ABBREVIATIONS

ABBREVIATIONS	
Note Number	Note Content
ACT	ACOUSTICAL CEILING TILE
A/C	AIR CONDITIONING
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
A.B.E.	ABOVE BENCHMARK ELEVATION
A.H.U.	AIR HANDLING UNIT
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
@	AT
ADD'L	ADDITIONAL
B.C.	BASE CABINET
BD.	BOARD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLKD.	BULKHEAD
BLKG.	BLOCKING
C	CENTER LINE
C.B.	CHALK BOARD
CL.	CLOSET
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
C.J.	CONTROL JOINT
CPT.	CARPET
C.T.	CERAMIC TILE
D.	DEEP
DEMO	DEMOLITION
D.F.	DRINKING FOUNTAIN
DIM.	DIMENSION
DN.	DOWN
DTL	DETAIL
DIA	DIAMETER
DS	DOWN SPOUT
DWG.	DRAWING
E.J.	EXPANSION JOINT
EL.	ELEVATOR
ELEC.	ELECTRICAL
ELEV.	ELEVATION
ETC	ETCETERA
E.T.R.	EXISTING TO REMAIN
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXT	EXTERIOR
EXP	TAPERED INSULATION
F.E.C.	FIRE EXTINGUISHER CABINET
F.D.	FLOOR DRAIN
F.F.E.	FINISH FLOOR ELEVATION
FIN	FINISH
FL. OR FLR.	FLOOR
FOM	FACE OF MASONRY
FT	FOOT, FEET
F.V.W.A.	FIELD VERIFY WITH ARCHITECT
GA	GAUGE
GALV	GALVINIZED
GYP. BD.	GYPSUM BOARD
GSF	GROSS SQUARE FEET
GWB	GYPSUM WALL BOARD
GT	GLAZING TYPE
H OR HT	HEIGHT
HC	HANDICAPPED
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR	HOUR
HVAC	HEATING/VENTILATION, AIR CONDITIONING
IN	INCH
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
JT	JOINT
L	LENGTH
LAV.	LAVATORY
L.H.	LEFT HAND
MACH.	MACHINE
MAT'L	MATERIAL
MAX.	MAXIMUM
M.E.	MATCH EXISTING
MECH.	MECHANICAL
MEP	MECHANICAL/ELECTRICAL/ PLUMBING
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING

ABBREVIATIONS	
Note Number	Note Content
MTD	MOUNTED
MTL	METAL
NO. OR #	NUMBER
NOM.	NOMINAL
N.I.C.	NOT IN CONTRACT
NSF	NET SQUARE FEET
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
P-LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
P.T.	PORCELAIN TILE
PTD.	PAINTED
REF.	REFRIDGERATOR
REQ'D	REQUIRED
R.H.	RIGHT HAND
RM	ROOM
SF	SQUARE FEET
S.G.T.	STRUCTURAL GLAZED TILE
SHT.	SHEET
SIM.	SIMILAR
S.O.G.	SLAB ON GRADE
SNT.	SEALANT
SPEC.	SPECIFICATION
STD.	STANDARD
STL.	STEEL
S.S.	STAINLESS STEEL
STOR.	STORAGE
STRUCT.	STRUCTURE
SQ.	SQUARE
SUSP.	SUSPENDED
T & G	TONGUE & GROOVE
TEMP	TEMPORARY
TH.	THICK
T.O.S.	TOP OF SLAB
T.O.J.	TOP OF JOIST
TLT.	TOILET
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
V.I.F.W.A.	VERIFY IN FIELD WITH ARCHITECT
W/	WITH
W.	WIDTH
W.B.	WALL BOARD
W.C.	WATER CLOSET
WD.	WOOD
W/O	WITHOUT

WILKENS POLICE PRECINCT - 01

NEW BUILDING DESIGN

901 Walker Ave
Catonsville, Maryland, 21228

100% CONSTRUCTION DOCUMENTS

ARCHITECT
MURPHY & DITTENHAFER ARCHITECTS
805 NORTH CHARLES STREET
BALTIMORE, MD 21201

TEL. 410.625.4823

CIVIL ENGINEER
MK CONSULTING ENGINEERS
1801 PORTER STREET SUITE 401,
BALTIMORE, MD 21230

TEL. 667.309.6193

MEP ENGINEER
BOWMAN ENGINEERING
300 E JOPPA RD SUITE 501
TOWSON, MD 21286

TEL. 410.494.1111

LANDSCAPE ARCHITECT
MAHAN RYKIEL ASSOCIATES, INC.
3300 CLIPPER MILL RD
BALTIMORE, MD 21211

TEL. 410.235.6001

LOW VOLTAGE
CONVERGENT TECH.
DESIGN GROUP, INC.
6501 YORK RD,
BALTIMORE, MD 21212

TEL. 410.532.2395

STRUCTURAL ENGINEER
COLUMBIA ENGINEERING
6210 OLD DOBBIN LN #150,
COLUMBIA, MD 21045

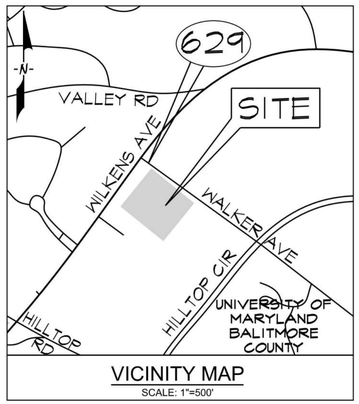
TEL. 410.992.9970

FIRE PROTECTION
SETTY ENGINEERING
575 S. CHARLES ST. SUITE 403
BALTIMORE, MD 21201

TEL. 667.309.3494

LEED CONSULTANT
SUSTAINABLE DESIGN
CONSULTING, LLC
1432 K ST NW 3RD FLOOR
WASHINGTON, DC 20005

TEL. 202.667.1620



VICINITY MAP
SCALE: 1"=500'

SYMBOLS

DRAWING # / SHEET # — **BUILDING SECTION**

DRAWING # / SHEET # — **WALL SECTION**

DRAWING # / SHEET # — **BUILDING ELEVATION**

DRAWING # / SHEET # — **INTERIOR ELEVATIONS**

DRAWING # / SHEET # — **DETAIL**

NEW SUSP. A.C.T. CEILING & GRID

EXISTING DOOR (TO BE REMOVED)

EXISTING DOOR

NEW DOOR

COMPACTED SUBGRADE

CONCRETE

C.M.U.

ROUGH WOOD

PLYWOOD

FINISHED WOOD

WINDOW TYPE (SEE WINDOW SCHEDULE)

DOOR NUMBER (SEE DOOR SCHEDULE)

PARTITION TYPE

RIGID INSULATION

BATT INSULATION

BRICK

EXISTING WALLS (TO BE REMOVED)

NEW PARTITION

C:\Users\dwg\Documents\221303A1 New Wilkens Police Precinct_dwgQZA1N8.rvt

Murphy & Dittenhafer ARCHITECTS

805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4813 fax

226 West Market Street, York, Pennsylvania 17401 717-846-6827 voice 717-843-2488 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:27:37 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 12" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: David Earling PROPERTY MANAGER
DATE: 8/13/25

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

COVER SHEET

NEW BUILDING DESIGN

SUBDIVISION: WILKENS — 901 Walker Ave Catonsville, Maryland, 21228 — ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
CS-1	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 1 OF 302	
DRAWING NUMBER	2024-1314
FILE NO.: 8	REV. 03/22

DRAWING NUMBER	SHEET DESIGNATION	SHEET NAME
GENERAL		
2024-1314	CS-1	COVER SHEET
2024-1315	CS-2	SHEET LIST
2024-1316	CS-3	CODE SUMMARY
2024-1317	CS-4	LIFE SAFETY PLANS
2024-1318	CS-5	OCCUPANCY PLANS
2024-1319	CS-6	CONSTRUCTION PHASING PLANS
2024-1320	CS-7	LEED SITE PLAN
CIVIL		
2024-1321	C1.00	GENERAL NOTES
2024-1322	C1.01	EXISTING CONDITIONS PLAN
2024-1323	C2.00	OVERALL DEMOLITION PLAN
2024-1324	C2.01	DEMOLITION PLAN - PHASE I
2024-1325	C2.02	DEMOLITION PLAN - PHASE II
2024-1326	C3.00	SITE AND GRADING PLAN
2024-1327	C3.01	DETAILED GRADING PLAN
2024-1328	C4.00	SITE DETAILS
2024-1329	C4.01	SITE DETAILS
2024-1330	C4.02	SITE DETAILS
2024-1331	C5.00	STRIPING AND SIGNAGE PLAN
2024-1332	C5.01	PAVING PLAN
2024-1333	C6.00	GEOMETRY PLAN
2024-1334	C7.00	UTILITY PLAN
2024-1335	C7.01	STORM DRAIN DRAINAGE AREA MAP
2024-1336	C7.02	STORM DRAIN PROFILES
2024-1337	C7.03	UTILITY PROFILES
2024-1338	C8.00	EXISTING EROSION AND SEDIMENT CONTROL PLAN - PHASE I
2024-1339	C8.01	FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE I
2024-1340	C8.02	EXISTING EROSION AND SEDIMENT CONTROL PLAN - PHASE II
2024-1341	C8.03	FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE II
2024-1342	C8.04	EROSION AND SEDIMENT CONTROL TRAP GRADING
2024-1343	C8.05	EROSION AND SEDIMENT CONTROL DETAILS
2024-1344	C8.06	EROSION AND SEDIMENT CONTROL NOTES
2024-1345	C8.07	EROSION AND SEDIMENT CONTROL NOTES
2024-1346	C9.00	STORMWATER MANAGEMENT NATURAL RESOURCES PLAN
2024-1347	C9.01	STORMWATER MANAGEMENT EXISTING IMPERVIOUS AREA MAP
2024-1348	C9.02	STORMWATER MANAGEMENT PROPOSED IMPERVIOUS AREA MAP
2024-1349	C9.03	STORMWATER MANAGEMENT PLAN
2024-1350	C9.04	EXISTING QUANTITY MANAGEMENT DA MAP
2024-1351	C9.05	PROPOSED QUANTITY MANAGEMENT DA MAP
2024-1352	C9.06	SUBMERGED GRAVEL WETLAND FACILITY #1
2024-1353	C9.07	SWM DETAILS
2024-1354	C9.08	SWM DETAILS
2024-1355	C9.09	SWM DETAILS
2024-1356	C9.10	SWM NOTES & DETAILS
2024-1357	C9.11	SWM NOTES & DETAILS
2024-1358	C10.00	BORING LOGS
2024-1359	C10.01	BORING LOGS
LANDSCAPE		
2024-1360	L0.00	LANDSCAPE - COVER SHEET & SHEET INDEX
2024-1361	L1.00	LANDSCAPE - MATERIALS PLAN
2024-1362	L1.01	LANDSCAPE - MATERIALS ENLARGEMENT
2024-1363	L1.02	LANDSCAPE - MATERIALS ENLARGEMENT
2024-1364	L2.00	LANDSCAPE - LAYOUT PLAN
2024-1365	L2.01	LANDSCAPE - LAYOUT PLAN ENLARGEMENT
2024-1366	L2.02	LANDSCAPE - LAYOUT PLAN ENLARGEMENT
2024-1367	L2.10	LANDSCAPE - PRECAST LAYOUT PLAN
2024-1368	L4.01	LANDSCAPE - SITE SECTIONS AND ELEVATIONS
2024-1369	L4.02	LANDSCAPE - SITE SECTIONS AND ELEVATIONS
2024-1370	L4.03	LANDSCAPE - SITE SECTIONS AND ELEVATIONS
2024-1371	L5.01	LANDSCAPE - HARDSCAPE DETAILS
2024-1372	L5.02	LANDSCAPE - HARDSCAPE DETAILS
2024-1373	L5.03	LANDSCAPE - HARDSCAPE DETAILS
2024-1374	L5.04	LANDSCAPE - HARDSCAPE DETAILS
2024-1375	L5.10	LANDSCAPE - HARDSCAPE DETAILS
2024-1376	L5.11	LANDSCAPE - HARDSCAPE DETAILS
2024-1377	L6.01	LANDSCAPE - SOILS PLAN
2024-1378	L7.01	LANDSCAPE - PLANTING PLAN
2024-1379	L7.02	LANDSCAPE - PLANTING ENLARGEMENT
2024-1380	L7.10	LANDSCAPE - PLANTING DETAILS
2024-1381	L7.20	LANDSCAPE - PLANTING SCHEDULE
ARCHITECTURAL		
2024-1382	AD-100	DEMOLITION PLANS - BASEMENT & FIRST FLOOR
2024-1383	A-101	OVERALL FIRST FLOOR PLAN
2024-1384	A-102	OVERALL SECOND FLOOR PLAN
2024-1385	A-103	ROOF PLAN
2024-1386	A-104	ENLARGED FIRST FLOOR PLAN - WING A
2024-1387	A-105	ENLARGED FIRST FLOOR PLAN - WING B
2024-1388	A-106	ENLARGED SECOND FLOOR PLAN - WING A
2024-1389	A-107	ENLARGED SECOND FLOOR PLAN - WING B
2024-1390	A-108	FIRST FLOOR RCP
2024-1391	A-109	SECOND FLOOR RCP
2024-1392	A-110	ENLARGED FIRST FLOOR RCP - WING A

DRAWING NUMBER	SHEET DESIGNATION	SHEET NAME
2024-1393	A-111	ENLARGED FIRST FLOOR RCP - WING B
2024-1394	A-112	ENLARGED SECOND FLOOR RCP - WING A
2024-1395	A-113	ENLARGED SECOND FLOOR RCP - WING B
2024-1396	A-200	OVERALL EXTERIOR ELEVATIONS
2024-1397	A-201	OVERALL EXTERIOR ELEVATIONS
2024-1398	A-202	OVERALL EXTERIOR ELEVATIONS
2024-1399	A-203	ENLARGED ELEVATIONS
2024-1400	A-204	ENLARGED ELEVATIONS
2024-1401	A-205	ENLARGED ELEVATIONS
2024-1402	A-206	ENLARGED ELEVATIONS
2024-1403	A-207	ENLARGED ELEVATIONS
2024-1404	A-208	ENLARGED ELEVATIONS
2024-1405	A-209	ENLARGED ELEVATION BLOCK COURSING
2024-1406	A-300	BUILDING SECTIONS
2024-1407	A-301	BUILDING SECTIONS
2024-1408	A-310	WALL SECTIONS
2024-1409	A-311	WALL SECTIONS
2024-1410	A-312	WALL SECTIONS
2024-1411	A-313	WALL SECTIONS
2024-1412	A-314	WALL SECTIONS
2024-1413	A-400	ENLARGED PLANS & ELEVS. - 1ST FL - COMMUNITY & ROLL CALL
2024-1414	A-401	ENLARGED PLANS & ELEVS. - 1ST FL - SHIFT LEADERS A & B
2024-1415	A-402	ENLARGED PLANS & ELEVS. - 1ST FL - SHIFT LEADERS C
2024-1416	A-403	ENLARGED PLANS & ELEVS. - 1ST FL - ARMORY & ELECTRICAL ROOMS
2024-1417	A-404	ENLARGED PLANS & ELEVS. - 1ST FL - LOBBY
2024-1418	A-405	ENLARGED PLANS & ELEVS. - 1ST FL - FRONT DESK & INTERVIEW ROOMS
2024-1419	A-406	ENLARGED PLANS & ELEVS. - 1ST FL - CONTROL DESK & BULL PENS
2024-1420	A-407	ENLARGED PLANS & ELEVS. - 1ST FL - MALE HOLDING & INTERVIEW ROOMS
2024-1421	A-408	ENLARGED PLANS & ELEVS. - 1ST FL - PROCESSING AREA
2024-1422	A-409	ENLARGED PLANS & ELEVS. - 1ST FL - FEMALE HOLDING & INTERVIEW ROOMS
2024-1423	A-410	ENLARGED PLANS & ELEVS. - 1ST FL - SALLY PORT
2024-1424	A-411	ENLARGED PLANS & ELEVS. - 1ST FL - IT, REPORT WRITING, & EVIDENCE PROCESSING
2024-1425	A-412	ENLARGED PLANS & ELEVS. - 1ST FL - GEAR & MECHANICAL ROOMS
2024-1426	A-413	ENLARGED PLANS & ELEVS. - 2ND FL - LT, I.S.T., RECORDS, & STORAGE
2024-1427	A-414	ENLARGED PLANS & ELEVS. - 2ND FL - OFFICE SUPPLY, TRAFFIC/ BPI SUITE & BREAK ROOM
2024-1428	A-415	ENLARGED PLANS & ELEVS. - 2ND FL - CONFERENCE ROOMS
2024-1429	A-416	ENLARGED PLANS & ELEVS. - 2ND FL - CAPTAIN'S SUITE
2024-1430	A-417	ENLARGED PLANS & ELEVS. - 2ND FL - OUT/S.R.O./D.V.C. & CAT SUITE
2024-1431	A-418	ENLARGED PLANS & ELEVS. - 2ND FL - MEN'S LOCKER ROOM
2024-1432	A-419	ENLARGED PLANS & ELEVS. - 2ND FL - WOMEN'S LOCKER ROOM
2024-1433	A-420	ENLARGED PLANS & ELEVS. - 2ND FL - FITNESS & IT
2024-1434	A-421	CORRIDOR PLANS & ELEVS. - 1ST FL
2024-1435	A-422	CORRIDOR PLANS & ELEVS. - 2ND FL
2024-1436	A-423	FIRE STAIR 1 PLANS, SECTIONS, & DETAILS
2024-1437	A-424	FIRE STAIR 2 PLANS, SECTIONS, & DETAILS
2024-1438	A-425	TOILET ACCESSORIES DIAGRAMS
2024-1439	A-426	ENLARGED PLANS & ELEVS. - RESTROOMS
2024-1440	A-427	ENLARGED PLANS & ELEVS. - RESTROOMS
2024-1441	A-428	ENLARGED PLANS & ELEVS. - WELLNESS ROOMS
2024-1442	A-429	ENLARGED PLANS - ROOF AREAS
2024-1443	A-430	ENLARGED PLANS - ROOF AREAS
2024-1444	A-500	EXTERIOR SECTION DETAILS
2024-1445	A-501	EXTERIOR SECTION DETAILS
2024-1446	A-502	EXTERIOR SECTION DETAILS
2024-1447	A-503	EXTERIOR SECTION DETAILS
2024-1448	A-504	EXTERIOR SECTION DETAILS
2024-1449	A-505	PLAN DETAILS - 1ST FL - WING A
2024-1450	A-506	PLAN DETAILS- 1ST FL - WING B
2024-1451	A-507	PLAN DETAILS- 2ND FL - WING A
2024-1452	A-508	PLAN DETAILS- 2ND FL - WING B
2024-1453	A-510	CASEWORK PLANS & ELEVATIONS
2024-1454	A-511	CASEWORK PLANS & ELEVATIONS
2024-1455	A-512	CASEWORK PLANS & ELEVATIONS
2024-1456	A-513	WELDED METAL LOCKER PLANS & DETAILS
2024-1457	A-514	WELDED METAL LOCKER PLANS, ELEVATIONS & DETAILS
2024-1458	A-515	CASEWORK TYPICAL DETAILS
2024-1459	A-516	ROOF DETAILS
2024-1460	A-517	ROOF DETAILS
2024-1461	A-518	ROOF DETAILS
2024-1462	A-520	MOCK UP PANEL & DETAILS
2024-1463	A-600	FIRST FLOOR FINISH PLAN & SCHEDULE
2024-1464	A-601	SECOND FLOOR FINISH PLAN & SCHEDULE
2024-1465	A-602	DOOR SCHEDULE
2024-1466	A-603	DOOR DETAILS
2024-1467	A-604	EXTERIOR GLAZING
2024-1468	A-605	INTERIOR GLAZING
2024-1469	A-606	WINDOW DETAILS
2024-1470	A-607	TRANSLUCENT WALL PANEL ELEVATIONS
2024-1471	A-608	INTERIOR PARTITION TYPES
2024-1472	A-609	ROOM/SIGNAGE SCHEDULE
2024-1473	A-610	ROOM/SIGNAGE SCHEDULE
2024-1474	A-620	APPLIANCE & EQUIPMENT SCHEDULE
2024-1475	A-801	FIRST FLOOR FURITURE PLAN - FOR REFERENCE ONLY

DRAWING NUMBER	SHEET DESIGNATION	SHEET NAME
2024-1476	A-802	SECOND FLOOR FURNITURE PLAN - FOR REFERENCE ONLY
STRUCTURAL		
2024-1477	S-001	GENERAL NOTES
2024-1478	S-002	GENERAL NOTES AND SCHEDULES
2024-1479	S-003	INSPECTION TABLES
2024-1480	S-004	INSPECTION TABLES
2024-1481	S-101.1	FOUNDATION AND SLAB ON GRADE PLAN - WING A
2024-1482	S-101.2	FOUNDATION AND SLAB ON GRADE PLAN - WING B
2024-1483	S-102.1	SECOND FLOOR FRAMING PLAN - WING A
2024-1484	S-102.2	SECOND FLOOR FRAMING PLAN - WING B
2024-1485	S-103.1	ROOF FRAMING PLAN - WING A
2024-1486	S-103.2	ROOF FRAMING PLAN - WING B
2024-1487	S-201	SHEAR WALL PLAN
2024-1488	S-301	TYPICAL DETAILS
2024-1489	S-302	TYPICAL DETAILS
2024-1490	S-303	TYPICAL DETAILS
2024-1491	S-304	TYPICAL DETAILS
2024-1492	S-401	SECTIONS
2024-1493	S-402	SECTIONS
2024-1494	S-501	SECTIONS
2024-1495	S-502	SECTIONS
2024-1496	S-503	SECTIONS
2024-1497	S-504	SECTIONS
2024-1498	S-505	SECTIONS
2024-1499	S-506	SECTIONS
2024-1500	S-507	SECTIONS
MECHANICAL		
2024-1501	M001	MECHANICAL COVERSHEET
2024-1502	M002	MECHANICAL COVERSHEET
2024-1503	M201	FIRST FLOOR - MECHANICAL - WING A
2024-1504	M202	FIRST FLOOR - MECHANICAL - WING B
2024-1505	M203	SECOND FLOOR - MECHANICAL - WING A
2024-1506	M204	SECOND FLOOR - MECHANICAL - WING B
2024-1507	M205	FIRST FLOOR - MECHANICAL PIPING AND ATC - WING A
2024-1508	M206	FIRST FLOOR - MECHANICAL PIPING AND ATC - WING B
2024-1509	M207	SECOND FLOOR - MECHANICAL PIPING AND ATC - WING A
2024-1510	M208	SECOND FLOOR - MECHANICAL PIPING AND ATC - WING B
2024-1511	M301	PART PLANS - MECHANICAL
2024-1512	M302	PART PLANS - MECHANICAL
2024-1513	M401	REFRIGERANT RISERS
2024-1514	M601	MECHANICAL CONTROLS
2024-1515	M602	MECHANICAL CONTROLS
2024-1516	M603	MECHANICAL CONTROLS
2024-1517	M701	MECHANICAL DETAILS
2024-1518	M702	MECHANICAL DETAILS
2024-1519	M703	MECHANICAL DETAILS
2024-1520	M801	MECHANICAL SCHEDULES
2024-1521	M802	MECHANICAL SCHEDULES
2024-1522	M803	MECHANICAL SCHEDULES
PLUMBING		
2024-1523	P001	PLUMBING COVERSHEET
2024-1524	P201	SUBSLAB PLAN - PLUMBING - WING A
2024-1525	P202	SUBSLAB PLAN - PLUMBING - WING B PART 1
2024-1526	P203	SUBSLAB PLAN - PLUMBING - WING B PART 2
2024-1527	P204	FIRST FLOOR - PLUMBING - WING A
2024-1528	P205	FIRST FLOOR - PLUMBING - WING B PART 1
2024-1529	P206	FIRST FLOOR - PLUMBING - WING B PART 2
2024-1530	P207	SECOND FLOOR - PLUMBING - WING A
2024-1531	P208	SECOND FLOOR - PLUMBING - WING B PART 1
2024-1532	P209	SECOND FLOOR - PLUMBING - WING B PART 2
2024-1533	P210	ROOF - PLUMBING - WING A
2024-1534	P211	ROOF - PLUMBING - WING B
2024-1535	P212	PLUMBING - FUELING AREA
2024-1536	P601	PLUMBING RISER
2024-1537	P602	PLUMBING RISER
2024-1538	P603	PLUMBING RISER
2024-1539	P604	PLUMBING RISER
2024-1540	P605	PLUMBING RISER
2024-1541	P606	PLUMBING RISER
2024-1542	P701	PLUMBING DETAILS
2024-1543	P702	PLUMBING DETAILS
2024-1544	P703	PLUMBING DETAILS
2024-1545	P704	PLUMBING DETAILS
2024-1546	P705	PLUMBING DETAILS - FUELING
2024-1547	P801	PLUMBING SCHEDULES
2024-1548	P802	PLUMBING SCHEDULES
ELECTRICAL		
2024-1549	E001	ELECTRICAL COVERSHEET
2024-1550	E002	LIGHT FIXTURE SCHEDULE
2024-1551	E100	ELECTRICAL SITE PLAN
2024-1552	E201	FIRST FLOOR LIGHTING - WING A
2024-1553	E202	FIRST FLOOR LIGHTING - WING B
2024-1554	E203	SECOND FLOOR LIGHTING - WING A

DRAWING NUMBER	SHEET DESIGNATION	SHEET NAME
2024-1555	E204	SECOND FLOOR LIGHTING - WING B
2024-1556	E205	FIRST FLOOR POWER - WING A
2024-1557	E206	FIRST FLOOR POWER - WING B
2024-1558	E207	SECOND FLOOR POWER - WING A
2024-1559	E208	SECOND FLOOR POWER - WING B
2024-1560	E209	ROOF PLAN - ELECTRICAL - WING A
2024-1561	E210	ROOF PLAN - ELECTRICAL - WING B
2024-1562	E301	PART PLANS - ELECTRICAL
2024-1563	E501	ELECTRICAL POWER RISER DIAGRAM
2024-1564	E502	ELECTRICAL METER RISER DIAGRAM
2024-1565	E601	ELECTRICAL DETAILS
2024-1566	E602	ELECTRICAL DETAILS
2024-1567	E603	ELECTRICAL DETAILS
2024-1568	E604	ELECTRICAL DETAILS
2024-1569	E605	ELECTRICAL DETAILS
2024-1570	E801	HVAC SCHEDULE
2024-1571	E802	PANEL SCHEDULES
2024-1572	E803	PANEL SCHEDULES
FIRE PROTECTION		
2024-1573	F-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2024-1574	F-002	ZONING PLAN - FIRE PROTECTION
2024-1575	F-101.1	FIRST FLOOR PLAN - WING A - FIRE PROTECTION
2024-1576	F-101.2	FIRST FLOOR PLAN - WING B - FIRE PROTECTION
2024-1577	F-102.1	SECOND FLOOR PLAN - WING A - FIRE PROTECTION
2024-1578	F-102.2	SECOND FLOOR PLAN - WING B - FIRE PROTECTION
2024-1579	F-501	FIRE PROTECTION RISER DIAGRAMS AND SCHEDULES
2024-1580	F-601	FIRE PROTECTION CALCULATIONS
2024-1581	F-701	FIRE PROTECTION DETAILS
2024-1582	F-702	FIRE PROTECTION DETAILS
FIRE ALARM		
2024-1583	FA-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2024-1584	FA-101.1	FIRST FLOOR PLAN - WING A - FIRE ALARM
2024-1585	FA-101.2	FIRST FLOOR PLAN - WING B - FIRE ALARM
2024-1586	FA-102.1	SECOND FLOOR PLAN - WING A - FIRE ALARM
2024-1587	FA-102.2	SECOND FLOOR PLAN - WING B - FIRE ALARM
2024-1588	FA-501	FIRE ALARM RISER DIAGRAM
2024-1589	FA-701	FIRE ALARM DETAILS
LOW VOLTAGE		
2024-1590	TA001	LOW VOLTAGE SYSTEMS TITLESHEET
2024-1591	TA002	LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX
2024-1592	TA010	TELECOM RISER DIAGRAM & GROUNDING DETAIL
2024-1593	TA100	LOW VOLTAGE SITE PLAN
2024-1594	TA101	LOW VOLTAGE FIRST FLOOR PLAN - WING A
2024-1595	TA102	LOW VOLTAGE FIRST FLOOR PLAN - WING B
2024-1596	TA103	LOW VOLTAGE SECOND FLOOR PLAN - WING A
2024-1597	TA104	LOW VOLTAGE SECOND FLOOR PLAN - WING B
2024-1598	TA121	LOW VOLTAGE FIRST FLOOR RCP - WING A
2024-1599	TA122	LOW VOLTAGE FIRST FLOOR RCP - WING B
2024-1600	TA123	LOW VOLTAGE SECOND FLOOR RCP - WING A
2024-1601	TA124	LOW VOLTAGE SECOND FLOOR RCP - WING B
2024-1602	TA200	IT 119 ELEVATIONS & ENLARGED DETAILS
2024-1603	TA201	IT 223 ELEVATIONS & ENLARGED DETAILS
2024-1604	TA210	DISPLAY WALL ELEVATIONS (1 OF 2)
2024-1605	TA211	DISPLAY WALL ELEVATIONS (2 OF 2)
2024-1606	TA212	BODY CAMERA CHARGING STATION ELEVATION
2024-1607	TA500	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (1 OF 3)
2024-1608	TA501	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (2 OF 3)
2024-1609	TA502	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (3 OF 3)
2024-1610	TA510	ELECTRONIC ACCESS CONTROL DOORS
2024-1611	TA511	ELECTRONIC ACCESS CONTROL DOORS SCHEDULE
PUBLIC IMPROVEMENT PLANS		
2024-2098	WATER	PUBLIC WATER PLAN & PROFILE
2024-2099	WATER	PUBLIC WATER NOTES
2024-2100	ROAD	OVERALL SITE LOCATION PLAN
2024-2101	ROAD	PUBLIC ROAD PLAN & PROFILE

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:27:59 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX

R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

PLAN SCALE: 12" = 1'-0"

PROFILE SCALE:

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

Murphy & Dittenhafer ARCHITECTS

836 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4574 fax

226 West Market Street, York, Pennsylvania 17401 717-846-8827 voice 717-845-2449 fax

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SHEET LIST

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
CS-2	24111 PPO
	JOB ORDER NUMBER
	300200006
SHEET 2 OF 302	
DRAWING NUMBER	
2024-1315	
FILE NO.: 8	REV: 0502

BUILDING CODE STUDY DATA

Updated: **2/11/2025**

1 PROJECT NAME AND LOCATION

NAME	Wilkens Police Precinct
STREET ADDRESS	901 Walker Ave
MUNICIPALITY	Baltimore County
CITY, STATE	Catonsville, Maryland 21228

PROJECT DESCRIPTION: **fully sprinklered: Yes**

Construction of a new 2-story Police Station with Sally Port and Community Room

APPLICABLE CODES

Building Code:	2021 ICC codes, amendment pending but assumed similar to Bill 14-21
Fire Code:	NFPA 101 LIFE SAFETY CODE 2018, as amended by Bill 14-21 NFPA 1 FIRE PREVENTION CODE 2018, as amended by Bill 14-21
Accessibility:	AMERICANS WITH DISABILITY ACT Accessibility Guidelines (ADAAG 2010) MARYLAND ACCESSIBILITY CODE set forth in COMAR 05.02.02, AS AMENDED
BEPS:	Maryland's Building Energy Performance Standards do not apply to buildings less than 35.000gsf, but the Building is designed to meet these standards.

2 BUILDING DATA

ACTUAL HEIGHT approx. 46 feet average grade to hightest parapet
approx. 14 feet lowest grade to highest floor level

GROSS FLOOR AREAS in SF (rounded)	FOOTPRINT to Ext. face	Excluding circulation/shafts/roofs				TOTAL
		Business	Stor./Mech.	Assembly	Business (Lockup)	
FIRST FLOOR	18150	9170	700	795	1190	11855
SECOND FLOOR	15750	11631	127	0	0	11758
TOTAL:	**33900**	**20801**	**827**	**795**	**1190**	**23613**

OCCUPANT LOADS: IBC (table 1004.5) NFPA 101 (table 7.3.1.2)
(rounded, see CS-5) (most restrictive factor used where values differ in both codes)

USE GROUP:	Business**	Stor./Mech.	Assembly	Business (Lockup)	TOTAL
FACTOR (SF/person):	**150 or 50**	**300**	**7**	**N/A**	
FIRST FLOOR:	62	3	114	46	225
SECOND FLOOR:	152	1	0	0	153
TOTAL:	**214**	**4**	**114**	**46**	**378**

** incl. Conference Rooms as accessory function: 150SF/person (IBC 303.1.2) and inclusive of increased occupant load (50 person/sf) for locker rooms and exercise room

3 BUILDING USE AND CONSTRUCTION CLASSIFICATIONS:

	IBC		NFPA 101		REMARKS
	VALUE	REF.	VALUE	REF.	
USE GROUP	**B, A-3, accessory storage**	302	**Business, Assembly, Lockup**	6,12,22,38	a)
CONSTRUCTION TYPE	**II B**	table 601	**II (000)**	NFPA 220	
ALLOWABLE HEIGHT	**75 feet** (sprinklered)	table 504.3	unregulated		
ALLOWABLE STORIES	**3** for A-3	table 504.4	4	12,22,38,4.6.3	
ALLOW. AREA FACTOR	28500 for A-3	table 506.2	unregulated		
ALLOWABLE AREA / FLOOR	28500	506.2.4	unregulated		b)
OCCUP. SEPARATION	**N/A**		**N/A**		
INCIDENTAL USE AREA	conference / storage	303.1.2 311.1.1	storage	6.1.14.1.3(1)	
FIRE SEP.DISTANCE	30 feet or greater	table 705.5			

Remarks:
a) Assembly Occupancy on first floor exceeds limit to be classified as "Accessory Occupancy" to Business function (IBC 508.2.3); Lockups with less than 50 detainees per NFPA 101 22.4.5; different occupancies are considered unseparated occupancies (IBC 508.3); allowable height and area based on most restrictive occupancy (IBC 508.3.2)

b) Frontage increase (IBC 506.3) not needed for compliance

TWO-STORY OPENING AT MAIN ENTRANCE: IBC 712.1.9 NFPA 12.3.1

IBC permits 2-story openings in A-3 area when the conditions listed in 712.1.9 are met.
NFPA 101: New Assembly occupancy: 12.3.1. Item (3) allows a 2-story opening for sprinklered buildings, without having to comply with Section 8.6.

4 EGRESS REQUIREMENTS

ACCESSIBLE EGRESS (IBC 1009.1): **YES, 2 MEANS REQUIRED**
(Stairways between stories are considered accessible (IBC 1009.3)
ACCESSIBLE WIDTH (IBC 1009.3.2): sprinklered bldg. exempt
AREAS OF REFUGE (IBC 1009.3.3): sprinklered bldg. exempt
EXTERIOR AREA FOR ASSISTED RESCUE (IBC 1009.7): exempt, accessible route provided

NO. OF REMOTE EXITS REQUIRED	IBC		NFPA	
By Space	**Value**	**Ref.**	**Value**	**Ref.**
Spaces with less Than 50 Occupants	1 Exit	Table 1006.2.1		
Spaces with 50 - 500 Occupants	2 Exits	1006.2.1		
Spaces with 501 - 1000 Occupants	3 Exits	1006.2.1.1		
By Story				
1 - 500 Occupants	**2 Exits**	1006.3.1	**2 Exits**	38.2.4.1
501 - 1000 Occupants	3 Exits	Table 1006.3.1	3 Exits	7.4.1.2
More than 1000 Occupants	4 Exits	table 1006.3.1	4 Exits	7.4.1.2

REMOTENESS OF EXITS
Life Safety A.7.5.1.3.3 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)
IBC 1007.1.1 Exception 2 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Bldg.)

MIN. EGRESS WIDTHS total inches required		IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	applies to:
STAIRS	per occup.	**0.3"**	1005.3.1	**0.3"**	7.3.3.1	
	per run	**44"**	1011.2	**44"**	7.2.2.2.1.2	all stairs
DOORS		**0.2"**	1005.3.2	**0.2"**	7.3.3.1	
CORRIDORS	per occup. served	**0.2"**	1005.3.2	**0.2"**	7.3.3.3	
	per instance	**44"**	1020.2	**44"**	38.2.3.2 12.2.3.8	all corridors*
				48"	22.2.3.2	for I-3

* for Business occupancies w/ more than 50 occupants and Assembly spaces > 50 occupants

MAXIMUM DEAD-END limit in feet	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
Assembly A-3	**20**	1020.4	**20**	12.2.5.1.3	sprinklered
Business B	**50**	1020.4	**50**	38.2.5.2.1	sprinklered

EXIT ACCESS TRAVEL limit in feet	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
Assembly A-3	**250**	1017.2 1029.7	**250**	12.2.6.2(1)	sprinklered
Business B	**300**	1017.2	**300**	38.2.6.3	sprinklered

COMMON PATH limit in feet***	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
Assembly A-3	**75***	1006.2.1	**75****	12.2.5.1.2	sprinklered
Business B	**100**	1006.2.1	**100**	38.2.5.3	sprinklered

* Where serving >50 occupants: **30 feet** common path (IBC 1029.8)
** Where serving >50 occupants: **20 feet** common path (NFPA 12.2.5.1.2)
*** For spaces with a single exit, the maximum occupant load is 49 (IBC Table 1006.2.1)

STAIR EGRESS CALCULATIONS:

Second floor: 153 total occupant load on floor above first floor level
Per IBC 1005.3.1, calculate stair width capacity based on one floor at a time. Per IBC 1014.9 and NFPA 101 - 7.2.2.4.1.2 qualifying egress widths must be within 30" reach of a handrail. Intermediate handrails may be used to increase qualifying egress width.
NFPA 7.3.3.2 calculation:
Capacity per stair assuming the handrails project some 3" inboard of the stringer (min. 44" between stringers):
Stair width betw. walls/guards / most stringent factor from table above:
44 inches / 0.3 = **146 capacity per stair**

EXIT DISCHARGE (IBC 1028)
Exit discharge shall be at grade or shall provide a direct path of gress travel to grade (IBC 1028.1). Exit through lobby space is permitted (Exc.1 up to 50% of exits). Exit through a Sally Port is permitted (NFPA 101 22.2.5.5)

PANIC HARDWARE
Per IBC Code 1010.2.9 & NFPA 101 7.2.1.7, 12.2, 38.2
ALL DOORS SERVING MORE THAN 49 OCCUPANTS AND AT 1200A ELECTRICAL ROOMS

FIRE EXIT HARDWARE
Per IBC Code 1010.2.9 & NFPA 101 7.2.1.7, 12.2, 38.2
ALL DOORS SERVING MORE THAN 49 OCCUPANTS AT OPENINGS THROUGH FIRE ASSEMBLIES
DOOR RELEASE in Lockup area
NFPA 101 22.4.5.1.4 requires personnel to reach the holding cells within 2 minutes to release doors in case of an emergency.

EMERGENCY LIGHTING REQUIREMENTS
Per IBC Code 1008, N.E. CODE & NFPA 101 7.9, 14.2.9 for ALL means of egress

5 FIRE PROTECTION

FIRE PROTECTION SYSTEM REQUIREMENTS				
System Type	**Required?**	**2021 IBC Code**	**2018 Life Safety Code**	**Remarks**
Automatic Sprinklers	YES	903.2.1.3	9.7 12.3.5.2	Required by IBC in the entire story containing A-3 occupancy; but provided throughout. Anti-ligature sprinkler heads are recommended in detention cells
Fire Alarm System	YES	907.2.2 907.2.1	9.6 12.3.4 38.3.4	NFPA 101 requires a fire alarm system, but IBC does not require a manual fire alarm system.
Carbon Monoxide Detection	PARTIAL	NOT REQ.	12.3.4.4	At fuel-burning equipment locations only and near garage

FIRE RESISTANCE RATING REQUIREMENTS			
FOR CONSTRUCTION TYPE:		**IBC:** II B	**NFPA 101:** II (000)
rating req. in hrs.	**VALUE**	**REF.**	**REF.**
Exterior bearing walls	**0**	TABLE 601	TABLE A.8.2.1.2
Ext. non-bearing walls	**0**	TABLE 602, TABLE 705.5	TABLE A.8.2.1.2
Interior bearing walls	**0**	TABLE 601	TABLE A.8.2.1.2
Floor/ ceil. assemblies	**0**	TABLE 601	TABLE A.8.2.1.2
Roof/ ceil. assemblies	**0**	TABLE 601	TABLE A.8.2.1.2
Columns	**0**	TABLE 601	TABLE A.8.2.1.2
Beams	**0**	TABLE 601	TABLE A.8.2.1.2

EXT. WALL OPENINGS		BASED ON FIRE SEPARATION DISTANCE:			
area allowed:	N	**no limit**	Table 705.8	UP, S	30 feet or greater
	E	**no limit**	Table 705.8	UP, S	30 feet or greater
	S	**no limit**	Table 705.8	UP, S	30 feet or greater
	W	**no limit**	Table 705.8	UP, S	30 feet or greater

ELEMENT rating req. in min.	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
STAIR ENCLOSURE	**60**	1023.2	**60**	8.6.5	for < 4 stories
& OPENINGS	**60**	716.1(2)	**60**	8.3.3.2.2	
2-STORY OPENING	SEE SECTION 3 ABOVE				
ELEVATOR SHAFT	**60**	713.4	**60**	8.3.3.2.2	
& OPENINGS	**60**	716, 3006.2	**60**	8.3.3.2.2	
OTHER FIRE BARRIERS	**60**	713.4	**60**	8.3.3.2.2	
& OPENINGS	**45**	716.1(2)	**45**	8.3.3.2.2	
CORRIDOR WALLS	**0**	1020.2	**0**	22.3.8 38.3.6.1(3)	a)
Emerg. Elec.Room (Incidental)	**120**	509.1			
& OPENINGS	**90**	716.1(2)		8.3.3.2.2	
Electrical Room (Incidental)	**60**	509.1			NFPA 70
& OPENINGS	**45**	716.1(2)		8.3.3.2.2	

Remarks:
a) IBC and NFPA allow 0-hr rating for fully sprinklered buildings

PORTABLE FIRE EXTINGUISHERS (IFC, IBC Table 906.3(1)):
Minimum size 2-A for low- or moderate-hazard occupancy. Maximum path of travel 75 feet.
One extinguisher is required for up to 3,000 SF of floor area of moderate hazard.
2-A 10BC Fire extinguishers will be provided.

All rated walls and partitions shall be permanently identified with signs or stenciling as follows:
a. Identification markings shall be located within accessible concealed floor, floor-ceiling and attic spaces.
b. Identification markings shall be located within 15'-0" of the end of each wall and at intervals no exceeding 30'-0" measured horizontally along the wall or partition.
c. Lettering shall not be less than 3" in height with a minimum 3/8" stroke in contrasting color incorporating the following wording:
"FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".

7 PLUMBING FIXTURE CALCULATION - IBC Chap. 29 & IPC Table 403.1

Total occupant load: Business: 260 Assembly: 1
Incidental Storage/Mech.:

Use Group	Floor Level	Occupant Load	Occ. Load Male or Female	WC Required Male*	Lav. Required Male	WC Required Female	Lav. Required Female
B Business	1	108	54	2.16	1.35	2.16	1.35
A Assembly		114	57	0.46	0.29	0.88	0.29
Incidental		3	2	0.02	0.02	0.02	0.02
	subtotal:	**225**					
B Business	2	152	76	3.04	1.90	3.04	1.90
Roof		0	0	0.00	0.00	0.00	0.00
Incidental		1	1	0.01	0.01	0.01	0.01
	subtotal:	**153**					
	Total Occupant Load	**378**	**Total required** (rounded)	**6**	**4**	**7**	**4**
			provided:	7 + 2 urinals	7	7	7
				4			

* Up to 67% of required WC's can be urinals - UP TO:
Public toilet facilities may be counted for employee use (IPC 403.3).
** Required toilet facilities may only be 1 story above or below the area served and within 500 ft of travel (IPC 403.3.3).
*** Number shown is for employees in addition to the following requirements:

	WC	Lav.	Bathtub/shower
	1 per cell	1 per cell	1 per 15 detainees
Total required:	**7**	**7**	**1**

Additionally required:	Drinking fountains	Service sinks
Business	(1 per 100) 2.6	1
Assembly	(1 per 500) 0.23	1
Storage	(1 per 1000) 0.00	1
subtotal:	2.83	N/A
Total required:	**3**	**1**
provided:	4	2

Drinking fountains shall be withing 500ft of travel and max. 1 story above or below the area served (IPC 403.5).

8 ENERGY CODE REQUIREMENTS - IECC Tables C402.1.3 and Table C402.4

Climate Zone: 4A

ELEMENT (table 402.1.3)	MINIMUM VALUE	SPECIFIED VALUE					
Roof insulation above deck	R = 30 continuous	R = 38					
Metal stud walls above grade	R = 13 + R = 7.5 continuous	R = 14 + R = 14 continuous					
Slab on grade	R = 15 for 24" below	R = 15					
ELEMENT (table 402.1.4, 402.4)	**MAXIMUM VALUE**	**SPECIFIED VALUE**					
Opaque swinging doors	u = 0.37	u = 0.34					
Fixed fenestration	u = 0.36	u = 0.32	u = 0.29	translucent panels	u = 0.43	Levl. 3 ballistic	
	SHGC = 0.36	SHGC = 0.35	SHGC = 0.23		SHGC = 0.62		
Entrance doors	u = 0.63	u = 0.5	(non-ballistic)		not specified		
Overhead Coiling doors	u = 0.31	7.7 R (equiv. to 0.13 u-factor)					

AIR BARRIER
A continuous Air Barrier is required with all joints and penetrations sealed (IECC 402.5).

END OF CODE SUMMARY

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:27:40 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027
ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 12" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY:	JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY:	DWG/ AWU	REVIEWED BY:							
CHKD BY:	RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
CODE SUMMARY
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4634 fax
226 West Market Street, York, Pennsylvania 17401 717-848-9927 voice 717-840-2488 fax

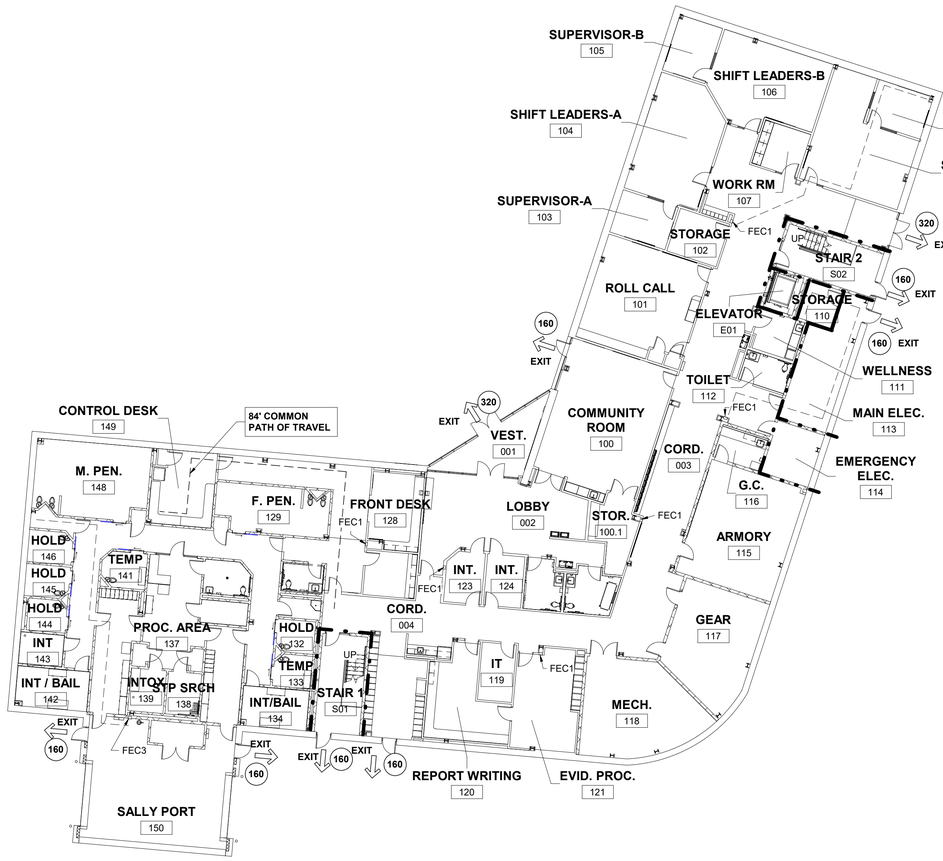
SHEET DESIGNATION	CONTRACT NUMBER
CS-3	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 3 OF 302
	DRAWING NUMBER 2024-1316
	FILE NO.: 8 REV. 0000

LEGEND:
- 2-HR RATED FIRE BARRIER
- 1-HR RATED FIRE BARRIER
- SMOKE-TIGHT PARTITION

160 — OCCUPANT CAPACITY OF DOOR / STAIR

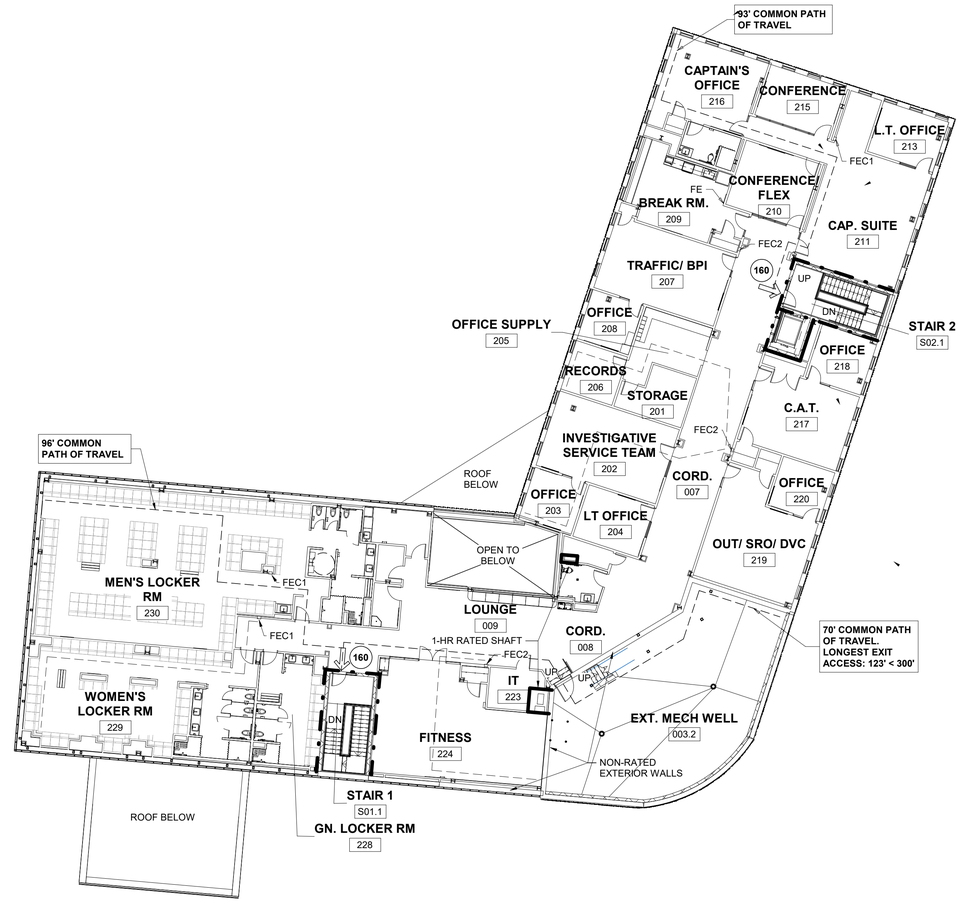
All rated walls and partitions shall be permanently identified with signs or stenciling as follows:
A. Identification markings shall be located within accessible concealed floor, floor-ceiling and attic spaces.
B. Identification markings shall be located within 15'-0" of the end of each wall and at intervals not exceeding 30'-0" measured horizontally along the wall or partition.
C. Lettering shall not be less than 3" in height with a minimum 3/8" stroke in contrasting color incorporating the following wording:
"FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".

FIRE EXTINGUISHER & CABINET LEGEND
- FEC1 = RECESSED FIRE PROTECTION CABINENT AND EXTINGUISHER
- FEC2 = SEMI RECESSED FIRE PROTECTION CABINENT AND EXTINGUISHER
- FEC3 = DETENTION GRADE SEMI RECESSED FIRE PROTECTION CABINENT AND EXTINGUISHER
- FE = FIRE EXTINGUISHER ON WALL BRACKET



1 FIRST FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"

PROJECT NORTH



2 SECOND FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"

PROJECT NORTH

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Murphy & Dittenhafer ARCHITECTS
800 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4624 fax
226 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-843-2446 fax

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 EXPIRATION DATE: 06/13/2027				R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1/16" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
	ARCHITECT: Frank Elwood Dittenhafer, II	CONTRACT COMPLETION BOX							
	AS-BUILT PER RECORD PRINT								
DATE : 6/20/2025 10:41:19 AM	BY: DATE:								

DGN BY: JAT
DRN BY: DWG/ AWU
CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LIFE SAFETY PLANS

NEW BUILDING DESIGN

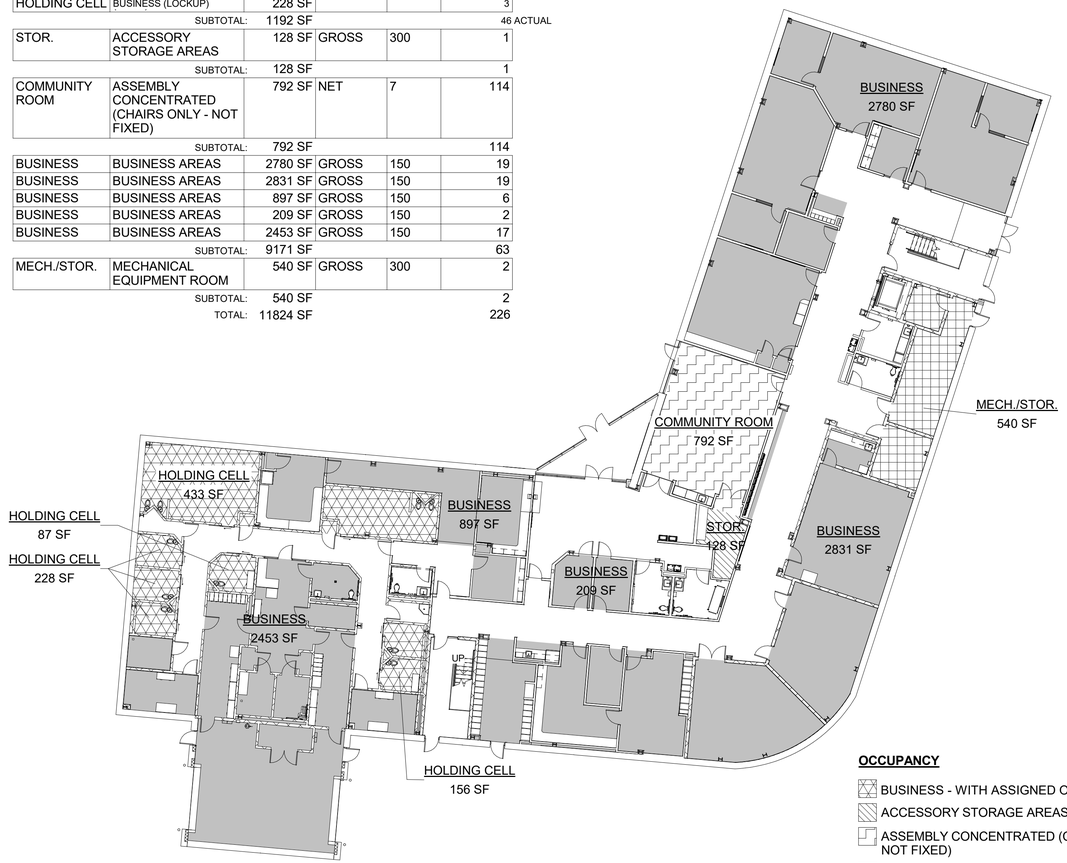
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
CS-4	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 4 OF 302
	DRAWING NUMBER 2024-1317
	FILE NO.: 8 REV. 0

OCCUPANT LOAD - FIRST FLOOR					
Name	TABLE 1004.1.1	Area	Occupany S.F. Type XX	S.F.Per Person XX	PERSONS
HOLDING CELL	BUSINESS (LOCKUP)	433 SF			M. BULLPEN 24
HOLDING CELL	BUSINESS (LOCKUP)	288 SF			F. BULLPEN 16
HOLDING CELL	BUSINESS (LOCKUP)	87 SF			1
HOLDING CELL	BUSINESS (LOCKUP)	156 SF			2
HOLDING CELL	BUSINESS (LOCKUP)	228 SF			3
	SUBTOTAL:	1192 SF			46 ACTUAL
STOR.	ACCESSORY STORAGE AREAS	128 SF	GROSS	300	1
	SUBTOTAL:	128 SF			1
COMMUNITY ROOM	ASSEMBLY CONCENTRATED (CHAIRS ONLY - NOT FIXED)	792 SF	NET	7	114
	SUBTOTAL:	792 SF			114
BUSINESS	BUSINESS AREAS	2780 SF	GROSS	150	19
BUSINESS	BUSINESS AREAS	2831 SF	GROSS	150	19
BUSINESS	BUSINESS AREAS	897 SF	GROSS	150	6
BUSINESS	BUSINESS AREAS	209 SF	GROSS	150	2
BUSINESS	BUSINESS AREAS	2453 SF	GROSS	150	17
	SUBTOTAL:	9171 SF			63
MECH./STOR.	MECHANICAL EQUIPMENT ROOM	540 SF	GROSS	300	2
	SUBTOTAL:	540 SF			2
	TOTAL:	11824 SF			226

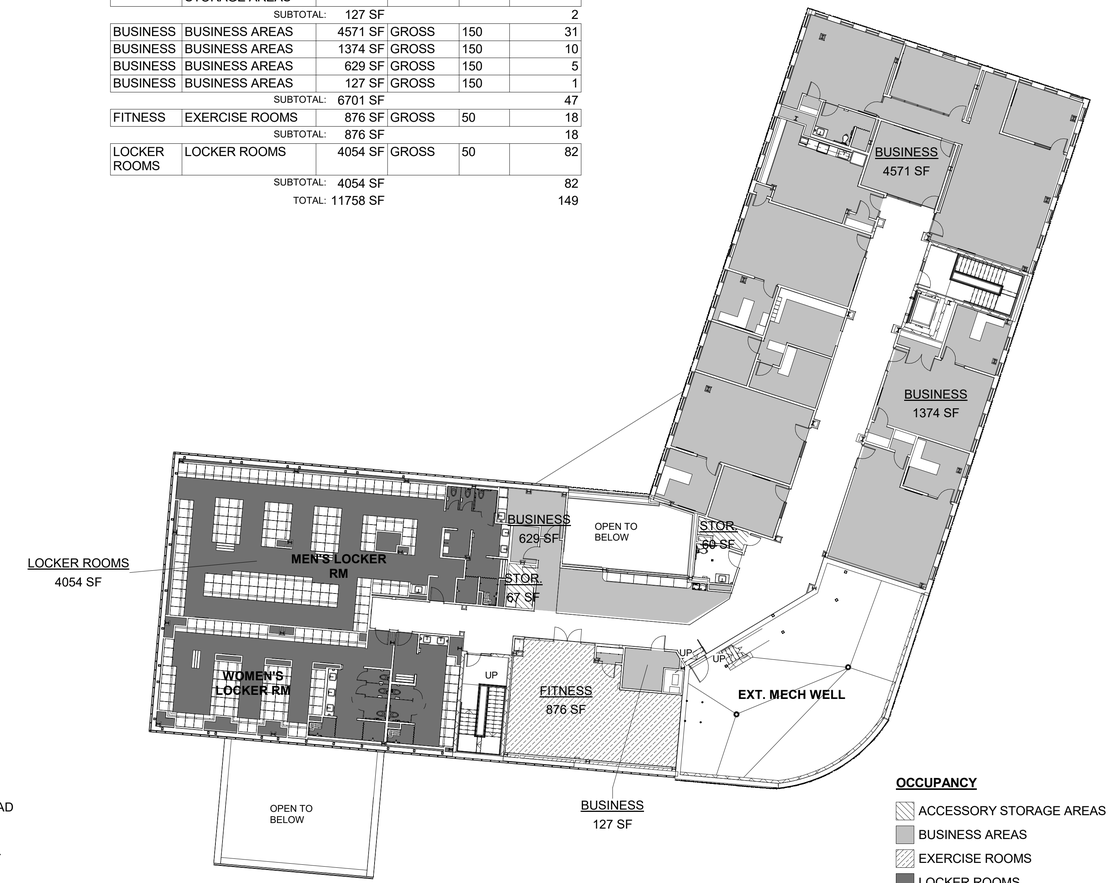


1 OCCUPANCY PLAN - FIRST FLOOR
1/16" = 1'-0"

OCCUPANCY

- BUSINESS - WITH ASSIGNED OCCUPANT LOAD
- ACCESSORY STORAGE AREAS
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - NOT FIXED)
- BUSINESS AREAS
- MECHANICAL EQUIPMENT ROOM

OCCUPANT LOAD - SECOND FLOOR					
Name	TABLE 1004.1.1	Area	Occupany S.F. Type XX	S.F.Per Person XX	PERSONS
STOR.	ACCESSORY STORAGE AREAS	60 SF	GROSS	300	1
STOR.	ACCESSORY STORAGE AREAS	67 SF	GROSS	300	1
	SUBTOTAL:	127 SF			2
BUSINESS	BUSINESS AREAS	4571 SF	GROSS	150	31
BUSINESS	BUSINESS AREAS	1374 SF	GROSS	150	10
BUSINESS	BUSINESS AREAS	629 SF	GROSS	150	5
BUSINESS	BUSINESS AREAS	127 SF	GROSS	150	1
	SUBTOTAL:	6701 SF			47
FITNESS	EXERCISE ROOMS	876 SF	GROSS	50	18
	SUBTOTAL:	876 SF			18
LOCKER ROOMS	LOCKER ROOMS	4054 SF	GROSS	50	82
	SUBTOTAL:	4054 SF			82
	TOTAL:	11758 SF			149



2 OCCUPANCY PLAN - SECOND FLOOR
1/16" = 1'-0"

OCCUPANCY

- ACCESSORY STORAGE AREAS
- BUSINESS AREAS
- EXERCISE ROOMS
- LOCKER ROOMS

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:27:51 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1/16" = 1'-0"
			PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OCCUPANCY PLANS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

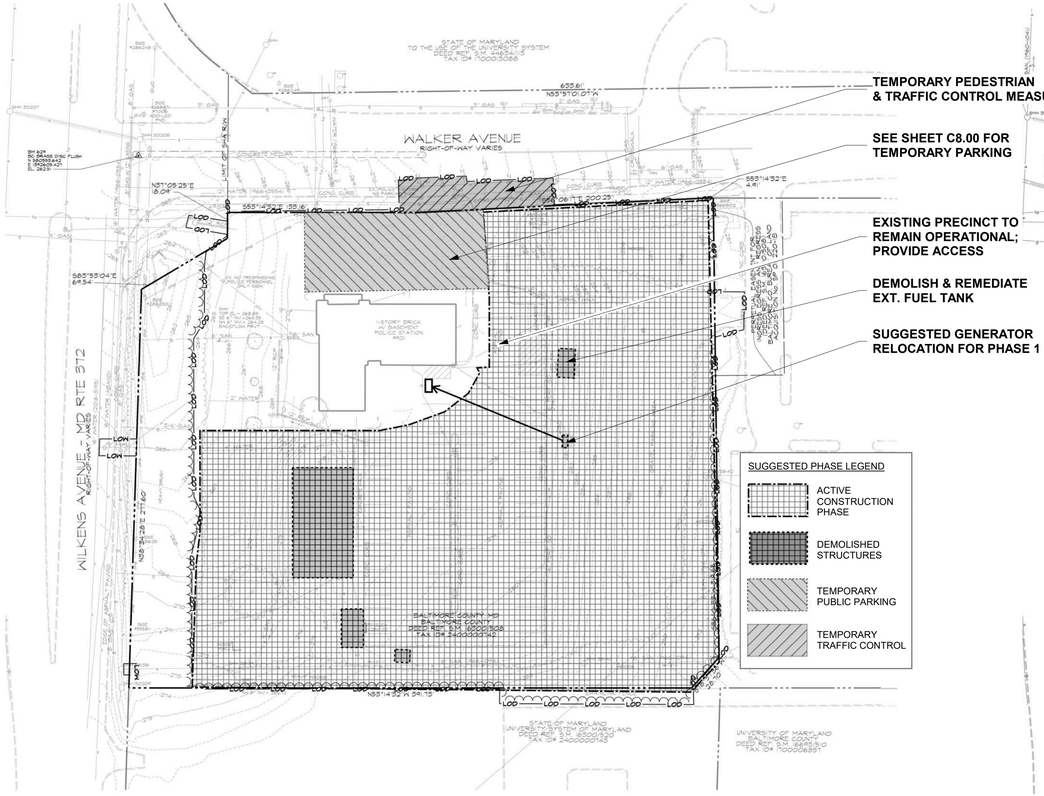
Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax

226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
CS-5	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 5 OF 302
	DRAWING NUMBER
	2024-1318
	FILE NO.: 8 REV: 03/03

BALTIMORE COUNTY MARYLAND



TEMPORARY PEDESTRIAN & TRAFFIC CONTROL MEASURES

SEE SHEET C8.00 FOR TEMPORARY PARKING

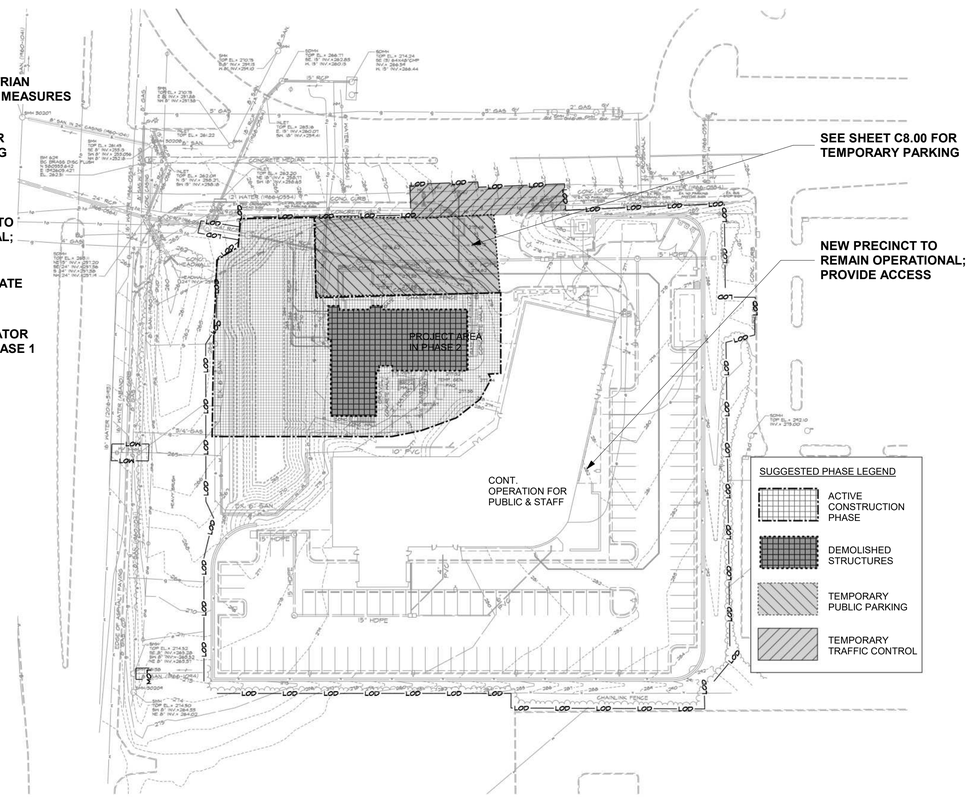
EXISTING PRECINCT TO REMAIN OPERATIONAL; PROVIDE ACCESS

DEMOLISH & REMEDIATE EXT. FUEL TANK

SUGGESTED GENERATOR RELOCATION FOR PHASE 1

CONSTRUCTION PHASING PLAN - PHASE I

NOT TO SCALE. FOR REFERENCE ONLY.
SEE C2.00 OVERAL DEMILITION PLAN, C2.01 DEMOLITION PLAN - PHASE I, & C2.02 DEMOLITION PLAN - PHASE II



SEE SHEET C8.00 FOR TEMPORARY PARKING

NEW PRECINCT TO REMAIN OPERATIONAL; PROVIDE ACCESS

CONSTRUCTION PHASING PLAN - PHASE II

NOT TO SCALE. FOR REFERENCE ONLY.
SEE C2.00 OVERAL DEMILITION PLAN, C2.01 DEMOLITION PLAN - PHASE I, & C2.02 DEMOLITION PLAN - PHASE II

NOTES:

- THE CONTRACTOR SHALL WORK IN PHASES AND ALLOW BCPD & STAFF CONTINUOUS ACCESS AND OPERATIONS DURING ALL PHASES OF CONSTRUCTION. SEE SUMMARY OF WORK.
- REFERENCE CIVIL DRAWINGS SHOW THE SCOPE OF THE SITE WORK W/ A TWO PHASE SUGGESTION. ADDITIONAL PHASES OR SUBPHASES ARE PER GC MEANS AND METHODS DEMONSTRATED IN A PHASING SCHEDULE SUBMITTAL.
- HAZARDOUS MATERIALS:
  1. REFERENCE APPENDEX FOR PHASE 1 ESA REPORT
- **REFER TO EROSION SEDIMENT CONTROL PLANS FOR SPECIFIC PHASING OF DEMOLITION, UTILITIES, ETC.**

SUGGESTED PHASING SEQUENCE:

- SEE SUMMARY OF WORK FOR DETAILED PHASING REQUIREMENTS.
- PHASING REQUIREMENTS AND SUGGESTED PHASES:

PHASE 1:

- REMOVE EXISTING GASOLINE UNDERGROUND STORAGE TANK AND FUEL PUMP. THE ESA IDENTIFIES THAT THE SOILS THAT WERE CONTAMINATED WERE REMEDIATED. IT IS UNDERSTOOD THAT A NEW TANK WAS INSTALLED.
- WIDEN ENTRANCE DRIVE. THIS IS TO PROVIDE CONSTRUCTION ENTRANCE SEPARATE FROM PRECINCT AND PUBLIC ACCESS.
- DEMOLISH ANNEX AND ALL OTHER STRUCTURES BESIDES THE PRECINCT BUILDINGS THAT WILL REMAIN IN PHASE 1.
- RELOCATE EXISTING GENERATOR OUTSIDE OF THE PHASE 1 WORK AREA, SOUTH OF THE PRECINCT BUILDING AND RECONNECT TO CONTINUE TO OPERATE THE PRECINCT DURING PHASE 1.
- REWORK UTILITIES AND GRADES PER CIVIL DRAWINGS. CONSTRUCT NEW BUILDING, EQUIPMENT, FURNISH AND COMMISSION, ACHIEVE USE AND OCCUPANCY, AND RELOCATE STAFF INTO NEW BUILDING.

PHASE 2:

- FLIP ACCESS AND CONSTRUCTION FENCING FOR NEW WORK AREA.
- DEMOLISH THE NOW ABANDONED PRECINCT BUILDING. ANY HAZARDOUS MATERIALS SHALL BE PROPERLY ABATED AND DISPOSED OF.
- GRADE WORK AND PROVIDE UTILITY CONNECTIONS AND PER CIVIL DRAWINGS AND COMPLETE PUBLIC PARKING AREA PAVING, FENCING, LANDSCAPING, SITE FURNISHINGS AND MEMORIAL GARDEN.

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SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:27:51 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/4" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

CONSTRUCTION PHASING PLANS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

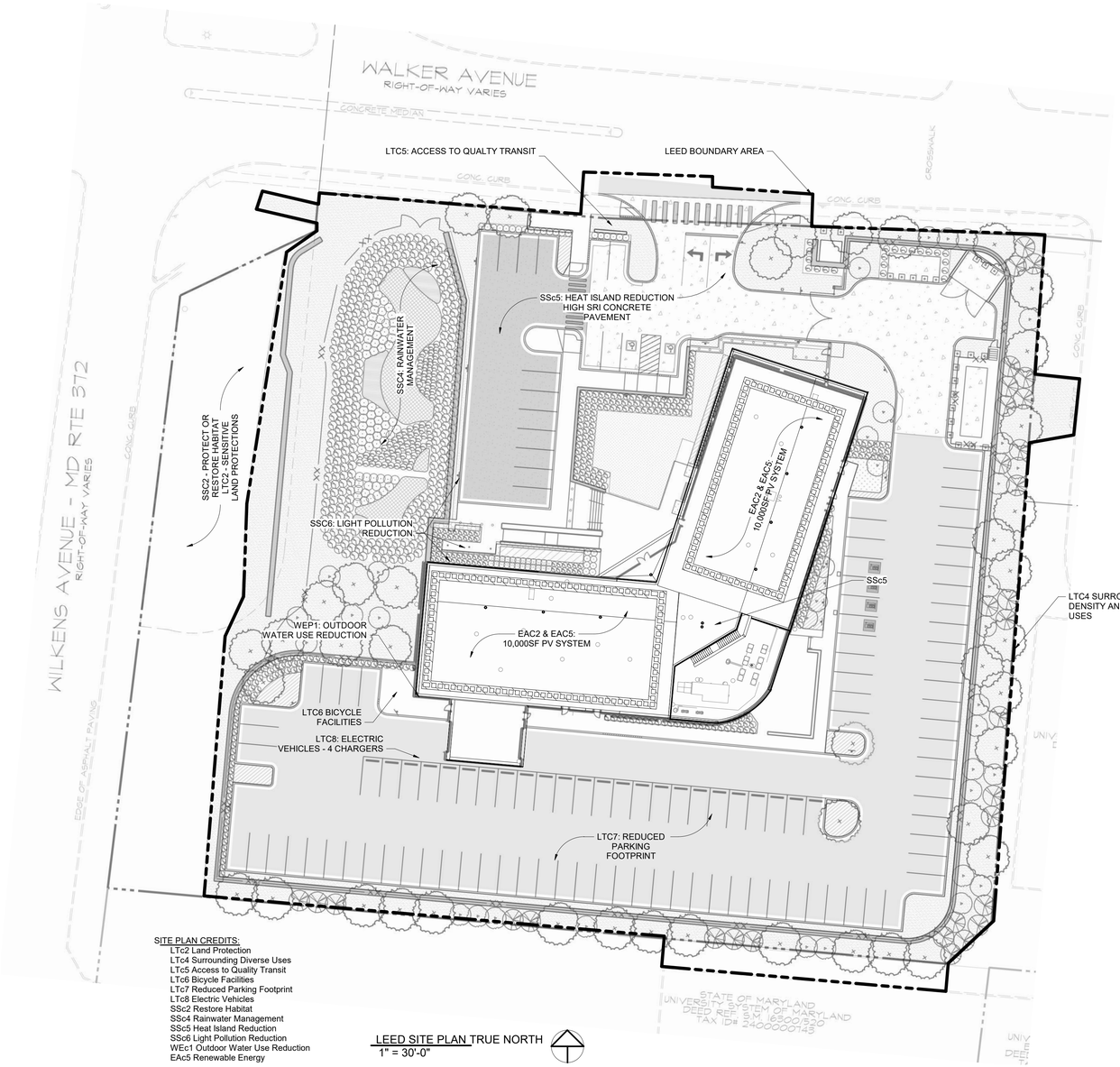
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax

226 West Market Street, York, Pennsylvania 17401 717-848-3827 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
CS-6	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 6 OF 302
	DRAWING NUMBER
	2024-1319
	FILE NO.: 8 REV. 10/22

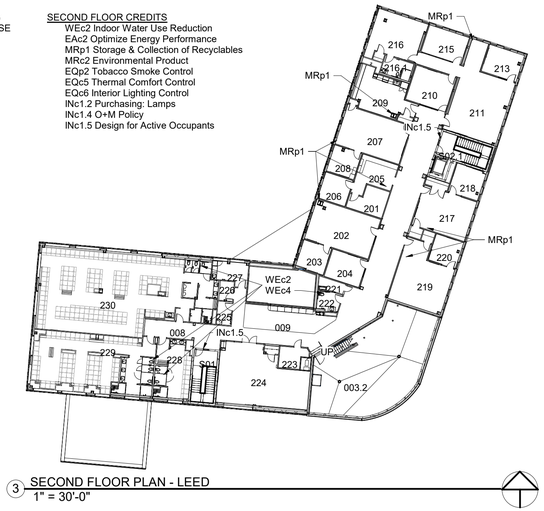


SITE PLAN CREDITS:
- LTc2 Land Protection
- LTc4 Surrounding Diverse Uses
- LTc5 Access to Quality Transit
- LTc6 Bicycle Facilities
- LTc7 Reduced Parking Footprint
- LTc8 Electric Vehicles
- SSc2 Restore Habitat
- SSc4 Rainwater Management
- SSc5 Heat Island Reduction
- SSc6 Light Pollution Reduction
- WEc1 Outdoor Water Use Reduction
- EAc5 Renewable Energy

LEED SITE PLAN TRUE NORTH
1" = 30'-0"

FIRST FLOOR CREDITS
- WEc2 Indoor Water Use Reduction
- WEc4 Water Metering
- EAc2 Optimize Energy Performance
- EAc3 Advanced Energy Metering
- MRp1 Storage & Collection of Recyclables
- MRp1E E-Waste Batteries and Mercury Lamps
- EQp2 Tobacco Smoke Control
- EQc1 Enhanced IAQ Strategies
- INc1.1 Social Equity in the Community
- INc1.5 Design for Active Occupants

4 FIRST FLOOR PLAN - LEED
1" = 30'-0"



SECOND FLOOR CREDITS
- WEc2 Indoor Water Use Reduction
- EAc2 Optimize Energy Performance
- MRp1 Storage & Collection of Recyclables
- MRc2 Environmental Product
- EQp2 Tobacco Smoke Control
- EQc5 Thermal Comfort Control
- EQc6 Interior Lighting Control
- INc1.2 Purchasing: Lamps
- INc1.4 O+M Policy
- INc1.5 Design for Active Occupants

3 SECOND FLOOR PLAN - LEED
1" = 30'-0"

LEED v4.0 & v4.1 BD+C: New Construction

Project Scorecard

Y	?Y	?N	N				
				Project Information Form			
Y				PIf1	**Project Information**		
1				**Integrative Process**	Possible Points	1	
1				IPc1	**Integrative Process**	[v4.1]	1
9			8	**Location and Transportation**	Possible Points	16	
				LTc1	**LEED for Neighborhood Development Location**		16
2				LTc2	**Sensitive Land Protection +1**	[RP]	1
2				LTc3	**High Priority Site and Equitable Development**	[v4.1]	2
1			4	LTc4	**Surrounding Density and Diverse Uses**	[RP]	5
1			4	LTc5	**Access to Quality Transit**	[v4.1]	5
1				LTc6	**Bicycle Facilities**	[v4.1]	1
1				LTc7	**Reduced Parking Footprint**	[v4.1]	1
1				LTc8	**Electric Vehicles**	[v4.1]	1
5			7	**Sustainable Sites**	Possible Points	10	
Y				SSp1	**Construction Activity Pollution Prevention**		
1				SSc1	**Site Assessment**		1
3				SSc2	**Protect or Restore Habitat +1**	[v4.1] [RP]	2
			1	SSc3	**Open Space**	[v4.1]	1
			4	SSc4	**Rainwater Management +1**	[v4.1] [RP]	3
			2	SSc5	**Heat Island Reduction**		2
1				SSc6	**Light Pollution Reduction**		1
9			3	**Water Efficiency**	Possible Points	11	
Y				WEp1	**Outdoor Water Use Reduction**		
Y				WEp2	**Indoor Water Use Reduction**		
Y				WEp3	**Building-Level Water Metering**		
2				WEc1	**Outdoor Water Use Reduction**		2
5			1	WEc2	**Indoor Water Use Reduction**		6
			2	WEc3	**Optimize Process Water Use**	[v4.1]	2
2				WEc4	**Water Metering +1**	[RP]	1
18	6		9	**Energy and Atmosphere**	Possible Points	33	
Y				EAp1	**Fundamental Commissioning and Verification**		
Y				EAp2	**Minimum Energy Performance**		
Y				EAp3	**Building-Level Energy Metering**		
Y				EAp4	**Fundamental Refrigerant Management**		
3			3	EAc1	**Enhanced Commissioning**	[RP]	6
9	6		3	EAc2	**Optimize Energy Performance**		18
1				EAc3	**Advanced Energy Metering**		1
			2	EAc4	**Grid Harmonization**	[v4.1]	2
5				EAc5	**Renewable Energy**	[v4.1]	5
			1	EAc6	**Enhanced Refrigerant Management**		1
4			9	**Materials and Resources**	Possible Points	13	
Y				MRp1	**Storage & Collection of Recyclables**		
Y				MRp2	**Construction and Demolition Waste Management Planning**		
			5	MRc1	**Building Life-Cycle Impact Reduction**	[v4.1]	5
1			1	MRc2	**Environmental Product Declarations**	[v4.1]	2
			2	MRc3	**Sourcing of Raw Materials**	[v4.1]	2
1			1	MRc4	**Material Ingredients**	[v4.1]	2
2				MRc5	**Construction and Demolition Waste Management**		2
5			11	**Indoor Environmental Quality**	Possible Points	16	
Y				EQp1	**Minimum IAQ Performance**		
Y				EQp2	**Environmental Tobacco Smoke Control**		
2				EQc1	**Enhanced Indoor Air Quality Strategies**		2
			3	EQc2	**Low-Emitting Materials**	[v4.1]	3
1				EQc3	**Construction Indoor Air Quality Management Plan**		1
			2	EQc4	**Indoor Air Quality Assessment**	[v4.1]	2
1				EQc5	**Thermal Comfort**		1
1			1	EQc6	**Interior Lighting**	[v4.1]	2
			3	EQc7	**Daylight**	[v4.1]	3
			1	EQc8	**Quality Views**	[v4.1]	1
			1	EQc9	**Acoustic Performance**	[v4.1]	1
6				**Innovation**	Possible Points	6	
1				INc1.1	**Pilot: Social Equity in Community**		1
1				INc1.2	**Purchasing: Lamps**		1
1				INc1.3	**Green Education**		1
1				INc1.4	**O+M**		1
1				INc1.5	**Design for active occupants**		1
1				INc2	**LEED Accredited Professional**		1
57	6		47	**Total**	Possible Points	110	

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110 points

[RP] - Regional Priority credit (adds 1 point)
[v4.1] - LEED v4.1 Credit Substitution

Design Credits/Construction Credits

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SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

DATE: 6/20/2025 10:36:45 AM BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1" = 30'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LEED SITE PLAN

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4613 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8027 voice 717-843-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
CS-7	24111 PPO
	JOB ORDER NUMBER
	300200006
SHEET 7 OF 302	DRAWING NUMBER
	2024-1320
	FILE NO.: 8

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" (1-800-257-7777) AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK.
2. EXISTING UTILITY INFORMATION SHOWN HEREON IS BASED ON THE BEST AVAILABLE INFORMATION, WHICH INCLUDES A FIELD SURVEY CONDUCTED BY DIETZ SURVEYING INC. DURING JUNE 2023, SUBSURFACE UTILITY LOCATION PERFORMED BY AI DATA IN AUGUST 2023, AS-BUILT WATER, WASTEWATER AND STORM DRAIN PLANS FROM BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS, BALTIMORE GAS AND ELECTRIC COMPANY PLANS, AND EXISTING SITE AND UTILITY PLANS PROVIDED BY BALTIMORE COUNTY PROPERTY MANAGEMENT.
3. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS, LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION. IN THE EVENT THAT INFORMATION IS IN CONFLICT WITH INFORMATION OUTLINED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO STARTING ANY WORK.
4. TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON BALTIMORE COUNTY GIS AND A FIELD SURVEY CONDUCTED BY DIETZ SURVEYING, INC. DURING JUNE 2023.
5. SOIL BORINGS WERE COMPLETED BY FINDLING, INC. A COPY OF THE GEOTECHNICAL REPORT, DATED NOVEMBER 22, 2023, IS INCLUDED WITH THE PROJECT SPECIFICATIONS.
6. CONTRACTOR SHALL SECURE THE CONSTRUCTION AREA AT THE END OF EACH WORKING DAY AND WILL INSPECT THE SECURITY FENCING TO ENSURE ITS INTEGRITY.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AT ALL TIMES.
9. ADJUST TOP OF CURB GRADES TO PROVIDE SMOOTH TRANSITION.
10. SAWCUT EXISTING PAVING AS NEEDED TO INSTALL NEW CONSTRUCTION.
11. STRIP & RESURFACE EXISTING PAVING AS NEEDED TO PROVIDE SMOOTH TRANSITION TO EX. SURFACE.
12. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THIS PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
14. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
15. THE CONTRACTOR SHALL NOTE THAT IN CASE OF ANY DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
16. COMPACTED SELECT FILL SHOULD BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS, EACH LAYER HAVING A LOOSE THICKNESS OF NOT MORE THAN 8 INCHES. ALL SELECT FILL SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D1557, MODIFIED PROCTOR. THE CONTRACTOR SHOULD SELECT APPROPRIATE COMPACTION EQUIPMENT TO ACHIEVE THE REQUIRED COMPACTION. FILL PLACEMENT SHOULD COMMENCE AT THE TOE OF THE PROPOSED SLOPES AND PROGRESS UPWARDS AS ADDITIONAL FILL IS PLACED IN HORIZONTAL LIFTS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
17. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF THE SUB-GRADE UNTIL IT RECEIVES FINAL SURFACE TREATMENT AND SHALL MAINTAIN THE SUB-GRADE AS SUITABLE AND ACCEPTABLE TO THE OWNER OR OWNER'S REPRESENTATIVE AT ALL TIMES. HE/SHE SHALL BE COMPLETELY RESPONSIBLE FOR THE RESTORATION OR REPLACEMENT OF THE SUB-GRADE DUE TO MOISTURE DAMAGE, CONSTRUCTION TRAFFIC, OR ANY OTHER CAUSE. REPAIR OR REPLACEMENT OF THE SUB-GRADE SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
18. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST BALTIMORE COUNTY STANDARD DETAILS AND SPECIFICATIONS AND ALL REVISIONS THERETO, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO SWALES AND/ OR STORM DRAIN SYSTEMS AT ALL TIMES.
20. PAVING REPAIR SHALL BE IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD DETAIL R-38.
21. ALL NEW CONCRETE SHALL BE SHA MIX NO. 3, 3,500 PSI (MIN.) AT 28 DAYS UNLESS NOTED OTHERWISE.
22. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK SHOWN ON THESE DRAWINGS UNLESS OTHERWISE NOTED.
23. SEE STRUCTURAL AND ARCHITECTURAL PLANS FOR SIZE AND LOCATIONS OF TURNED DOWN SLABS AT EXTERIOR DOORS.
24. ALL WORK IDENTIFIED AS PUBLIC AND PRIVATE ON THESE PLANS SHALL BE COMPLETED BY THE CONTRACTOR.
25. ORANGE, HIGH VISIBILITY FENCE (HVF) SHALL BE MANUALLY INSTALLED ALONG THE LIMITS OF DISTURBANCE (LOD) WHERE THE LOD IS WITHIN 50 FEET OF THE FOREST BUFFER, AND ALONG THE LOD WHERE THE LOD IS WITHIN THE CRITICAL ROOT ZONES (CRZ) OR ALONG THE BOUNDARY OF THE CRZ'S OF ANY SPECIMEN TREE THAT IS TO BE RETAINED. THIS SHALL BE COMPLETED AND INSPECTED PRIOR TO THE ISSUANCE OF ANY PERMIT.

DEMOLITION NOTES

1. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON BEFORE STARTING ANY WORK ON THESE PLANS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR THE COST OF ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES INDICATED TO REMAIN.
2. CONTRACTOR SHALL COORDINATE ALL DISCONNECTIONS AND REMOVAL OF EXISTING GAS, ELECTRIC AND TELEPHONE SERVICES AND EQUIPMENT WITH BALTIMORE GAS & ELECTRIC, VERIZON AND BALTIMORE COUNTY POLICE.
3. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AND ACCESSORIES NOT REMOVED BY LOCAL UTILITY COMPANIES, OR SPECIFIED TO BE REMOVED BY OWNER.
4. ALL EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT A PORTION OF A UTILITY IS TO BE REMOVED THE CONTRACTOR SHALL TERMINATE AND CAP TO THE LIMITS INDICATED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
5. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND TAKEN TO AN APPROVED, PERMITTED DISPOSAL FACILITY. NO RUBBLE IS TO BE LEFT ON SITE.
6. CONTRACTOR SHALL INSPECT AND TAKE PICTURES OF ADJACENT BUILDING WALLS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION ON THE SITE. EXISTING WALL CRACKS (IF ANY) WILL BE NOTED.
7. CONTRACTOR SHALL CONTINUALLY MONITOR THE WALLS OF THE ADJACENT BUILDINGS FOR ANY SIGNS OF STRUCTURAL DISTRESS. IF ANY DISTRESS IS NOTED, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY OWNER.
8. CONTRACTOR SHALL NOT EXPOSE, UNDERMINE, OR IMPACT THE ZONE OF INFLUENCE FOR FOOTINGS AND FOUNDATIONS OF ADJACENT BUILDINGS. CONTRACTOR WILL BE RESPONSIBLE FOR THE COST TO REPAIR ADJACENT BUILDINGS THAT ARE DAMAGED DUE TO HIS OPERATION.
9. CONTRACTOR SHALL PROVIDE THE NECESSARY MEANS TO CONTROL DUST AND MAINTAIN BALTIMORE COUNTY AIR QUALITY STANDARDS DURING THE DEMOLITION AND REMOVAL OF SITE DEBRIS AND THE NEW CONSTRUCTION.
10. CONTRACTOR SHALL SAWCUT EXISTING PAVING TO MINIMIZE DAMAGE TO EXISTING PAVING REMAINING.
11. CONTRACTOR SHALL REMOVE EXISTING CURBS & CONCRETE WALKS TO THE NEAREST JOINT. NO PATCHING WILL BE PERMITTED.
12. THE DEMOLITION INFORMATION SHOWN ON THESE DRAWINGS IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LIMITS OF DEMOLITION AND REMOVAL OF AFFECTED SITE ITEMS.
13. CONTRACTOR SHALL PROVIDE 8' HIGH TEMPORARY CONSTRUCTION FENCE AROUND THE LIMITS OF DISTURBANCE AS REQUIRED. REFER TO THE EROSION AND SEDIMENT CONTROL PLANS FOR LOCATIONS OF LOD DURING PHASES. REFER TO THE CONSTRUCTION MANAGER'S SITE LOGISTICS PLAN FOR TYPE OF FENCING TO BE INSTALLED.
14. THE CONTRACTOR SHALL PROVIDE A PRIVATE UTILITY LOCATOR TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION.
15. THE CONTRACTOR SHALL REMOVE ALL UNDERGROUND UTILITY PIPING, NOTHING SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED.

UTILITY NOTES

1. CONTRACTOR SHOULD OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE MUST BE PLACED BELOW (DOWN SLOPE) THE TRENCH.
2. PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF THE TRENCH.
3. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
4. FIRE LINE CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH N.F.P.A. 24.
5. UNLESS OTHERWISE NOTED, PIPE ELEVATIONS FOR WATER MAINS REFER TO TOP OF PIPE AND SANITARY SEWER ELEVATIONS REFER TO THE INVERT.
6. UNLESS OTHERWISE NOTED, ALL SEWER PIPE SHALL BE PVC SDR-26 CONFORMING TO THE REQUIREMENTS OF A.S.T.M. SPECIFICATION D-3034.
7. ALL UTILITY STRUCTURE DIMENSIONS SHALL REFER TO THE CENTERLINE OF THE "STRUCTURES".
8. ALL CLEANOUTS LOCATED IN PAVED AREAS SHALL HAVE COUNTERSUNK LIDS.
9. SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION OF UTILITY CONNECTIONS TO BUILDING AND SITE LIGHTING INFORMATION.
10. CONTRACTOR SHALL CONNECT ALL ON-SITE UTILITIES TO THE PROPOSED BUILDING CONNECTIONS AS REQUIRED.
11. SEE MECHANICAL, ELECTRICAL, PLUMBING PLANS FOR GAS, ELECTRIC AND UTILITIES LOCATED WITHIN 5' OF THE BUILDING FOOTPRINT.
12. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS, LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN.
13. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
14. CONSTRUCTION OF THE PROPOSED UTILITIES WILL BE IN ACCORDANCE WITH THE BALTIMORE COUNTY PLUMBING CODE AND BY A CONTRACTOR PRE-QUALIFIED BY BALTIMORE COUNTY.
15. NO WORK IS TO COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED.
16. CONTRACTOR SHALL TEST PIT FOR LOCATION OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
17. CONTRACTOR SHALL ADJUST ALL FRAMES, GRATES AND COVERS OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE CONTRACT TO THE PROPOSED GRADES AS REQUIRED.
18. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION.
19. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE UNDERGROUND ELECTRIC SERVICE WITH THE BALTIMORE GAS, ELECTRIC COMPANY. SEE ELECTRICAL PLANS FOR DETAILS.
20. STORM DRAIN PIPE AND FITTINGS SHALL BE BLUE SEAL WATER-TIGHT CORRUGATED POLYETHYLENE PIPE, SMOOTH INTERIOR WALL (HDPE) OR APPROVED EQUAL (UNLESS NOTED OTHERWISE), AS MANUFACTURED BY:

    ADVANCED DRAINAGE SYSTEMS, INC.
    3301 GRAYLING DRIVE
    MT. AIRY, MD. 21771
21. ALL WATER PIPING, TUBING, FITTINGS AND JOINING METHODS SHALL BE ACCORDING TO THE FOLLOWING APPLICATIONS:

    4 INCHES (DN 100) TO 8 INCHES (DN 200): CLASS 'D' OR CLASS 250, DUCTILE IRON PIPE, DUCTILE IRON COMPACT FITTINGS, AND MECHANICAL JOINTS WITH RETAINER GLANDS
22. FIRE HYDRANTS ARE TO BE PAINTED RED AND FIRE HYDRANTS STEAMER NOZZLE TO FACE VEHICULAR THOROUGHFARES.
23. ALL EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT A PORTION OF A UTILITY IS TO BE REMOVED, THE CONTRACTOR SHALL TERMINATE AND CAP TO THE LIMITS INDICATED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
24. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK SHOWN ON THESE DRAWINGS UNLESS OTHERWISE NOTED.
25. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
26. PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING UTILITIES WILL TIE IN WITH PROPOSED UTILITIES AS SHOWN.
27. SEE PUBLIC WATER DRAWINGS C11.00 AND C11.01 FOR PROPOSED WATER METER AND FOR THE ABANDONMENT OF THE EXISTING WATER SERVICE.
28. ALL VALVES SHALL BE IN STANDARD CONCRETE VAULTS IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD DETAILS.
29. SEE PUBLIC ROAD DRAWINGS 2024-2100 AND 2024-2101 FOR PROPOSED ROADWAY IMPROVEMENTS IN WALKER AVENUE.
30. ALL PUBLIC WORK IDENTIFIED ON THESE PLANS IS SUBJECT TO A BALTIMORE COUNTY RIGHT-OF-WAY AGREEMENT AND SHALL BE PERFORMED BY A BALTIMORE COUNTY PRE QUALIFIED CONTRACTOR HAVING PRE QUALIFICATIONS F1, F2, F3 AND A1.
31. THIS DOCUMENT INCLUDES CONFIDENTIAL INFORMATION AND DEPICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S ("BGE") ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA (THE "BGE UTILITY INFORMATION"). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST EMPLOY SAFE DIGGING BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, INCLUDING, BUT NOT LIMITED TO, THE "MISS UTILITY DIG LAW." NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION AND IN ACCEPTING THIS DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME AND WILL MAINTAIN THE CONFIDENTIALITY OF THIS DOCUMENT.

INDEX OF SHEETS

SHEET#	DWG.#	SHEET TITLE
2024-1321	C1.00	GENERAL NOTES
2024-1322	C1.01	EXISTING CONDITIONS PLAN
2024-1323	C2.00	OVERALL DEMOLITION PLAN
2024-1324	C2.01	DEMOLITION PLAN - PHASE I
2024-1325	C2.02	DEMOLITION PLAN - PHASE II
2024-1326	C3.00	SITE AND GRADING PLAN
2024-1327	C3.01	DETAILED GRADING PLAN
2024-1328	C4.00	SITE DETAILS
2024-1329	C4.01	SITE DETAILS
2024-1330	C4.02	SITE DETAILS
2024-1331	C5.00	STRIPING AND SIGNAGE PLAN
2024-1332	C5.01	PAVING PLAN
2024-1333	C6.00	GEOMETRY PLAN
2024-1334	C7.00	UTILITY PLAN
2024-1335	C7.01	STORM DRAIN DA MAP
2024-1336	C7.02	STORM DRAIN PROFILES
2024-1337	C7.03	UTILITY PROFILES
2024-1338	C8.00	EXISTING EROSION AND SEDIMENT CONTROL PLAN - PHASE I
2024-1339	C8.01	FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE I
2024-1340	C8.02	EXISTING AND SEDIMENT CONTROL PLAN - PHASE II
2024-1341	C8.03	FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE II
2024-1342	C8.04	EROSION AND SEDIMENT CONTROL TRAP INSETS
2024-1343	C8.05	EROSION AND SEDIMENT CONTROL DETAILS
2024-1344	C8.06	EROSION AND SEDIMENT CONTROL NOTES
2024-1345	C8.07	EROSION AND SEDIMENT CONTROL NOTES
2024-1346	C9.00	STORMWATER MANAGEMENT NATURAL RESOURCES PLAN
2024-1347	C9.01	STORMWATER MANAGEMENT EXISTING IMPERVIOUS AREA MAP
2024-1348	C9.02	STORMWATER MANAGEMENT PROPOSED IMPERVIOUS AREA MAP
2024-1349	C9.03	STORMWATER MANAGEMENT PLAN
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2024-1351	C9.05	PROPOSED QUANTITY MANAGEMENT DA MAP
2024-1352	C9.06	SUBMERGED GRAVEL WETLAND FACILITY #1
2024-1353	C9.07	STORMWATER MANAGEMENT DETAILS
2024-1354	C9.08	STORMWATER MANAGEMENT DETAILS
2024-1355	C9.09	STORMWATER MANAGEMENT DETAILS
2024-1356	C9.10	STORMWATER MANAGEMENT NOTES & DETAILS
2024-1357	C9.11	STORMWATER MANAGEMENT NOTES & DETAILS
2024-1358	C10.00	BORING LOGS
2024-1359	C10.01	BORING LOGS

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J. PIRO — 31066 — PROFESSIONAL ENGINEER

DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 31066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC. 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIRO, PE, PHONE: 410-752-2485, EMAIL: RPIRO@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP | DWN BY: RJP/SJG | CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19, 14SW20, 15SW19, 15SW20

PLAN SCALE: N/A | PROFILE SCALE: N/A, N/A

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

GENERAL NOTES

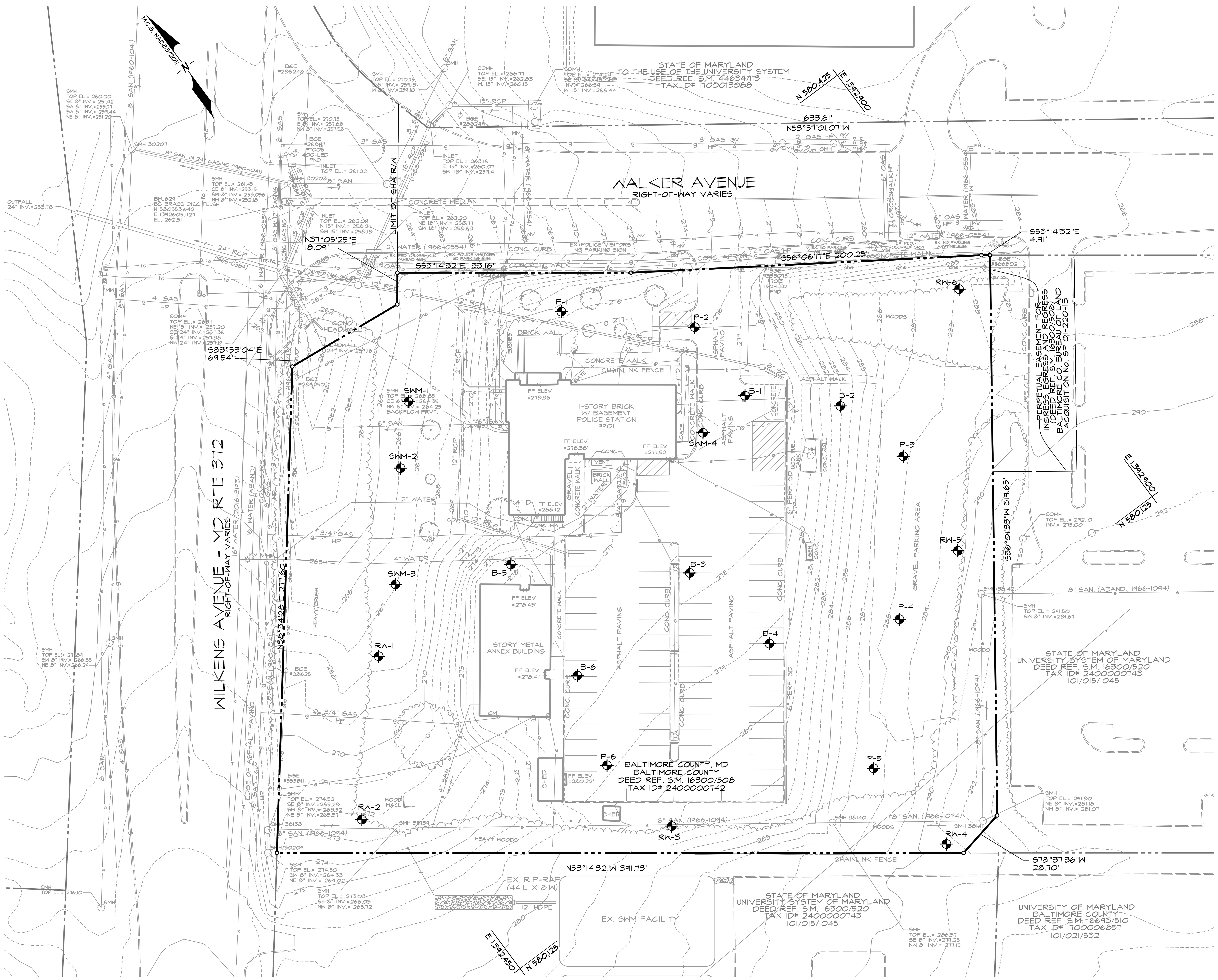
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C1.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 8 OF 302	
DRAWING NUMBER	2024 - 1321
FILE NO.: 8	



GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

EXISTING CONDITIONS PLAN

SCALE: 1" = 30'

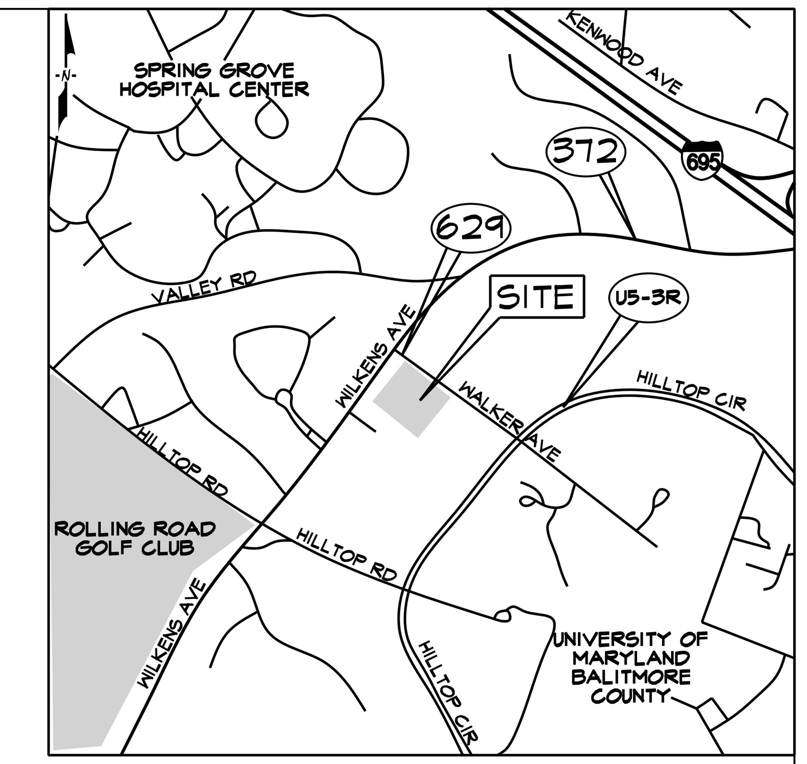
CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.

2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATIONS:

   TR NO.: 629
   DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE.
   N: 580,553.66
   E: 1,392,605.37
   ELEV.: 262.51 FT

   TR NO.: U5-3R
   DESC.: BRASS DISC SET IN GRASS MEDIAN OF HILLTOP CIRCLE
   N: 580,196.98
   E: 1,393,634.95
   ELEV.: 267.70



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
285 — EX. INDEX CONTOUR
284 — EX. INTERMEDIATE CONTOUR
EX. CURB AND GUTTER
g — EX. GAS MAIN
fo — EX. FIBER OPTIC / COMMUNICATION
ohe — EX. OVERHEAD ELECTRIC
e — EX. ELECTRIC
ctv — EX. CABLE TV
8" SAN. — EX. SANITARY SEWER
15" RCP. — EX. STORM DRAIN
8" WATER — EX. WATER
X — EX. FENCE
EX. WOODS LINE
WM — EX. WATER METER
WV — EX. WATER VALVE
FH — EX. FIRE HYDRANT
SMH — EX. SANITARY MANHOLE
MH — EX. STORM DRAIN MANHOLE
CO — EX. CLEANOUT
EX. GAS VALVE
EX. SIGN
EX. LIGHT POLE
EX. TREE / BUSH
B-1 — SOIL BORING LOCATION

DWG. FILENAME:

SEAL: STATE OF MARYLAND · RYAN J PIKE · 51066 · PROFESSIONAL ENGINEER
DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066, EXPIRATION DATE 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM

DGN BY: RJP · DWN BY: RJP/SJG · CHKD BY: RJP

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1"=30'
			R.O.W NO.			PROFILE SCALE:	N/A N/A
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: ______ PROPERTY MANAGER
DATE: ______

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXISTING CONDITIONS PLAN

NEW BUILDING DESIGN

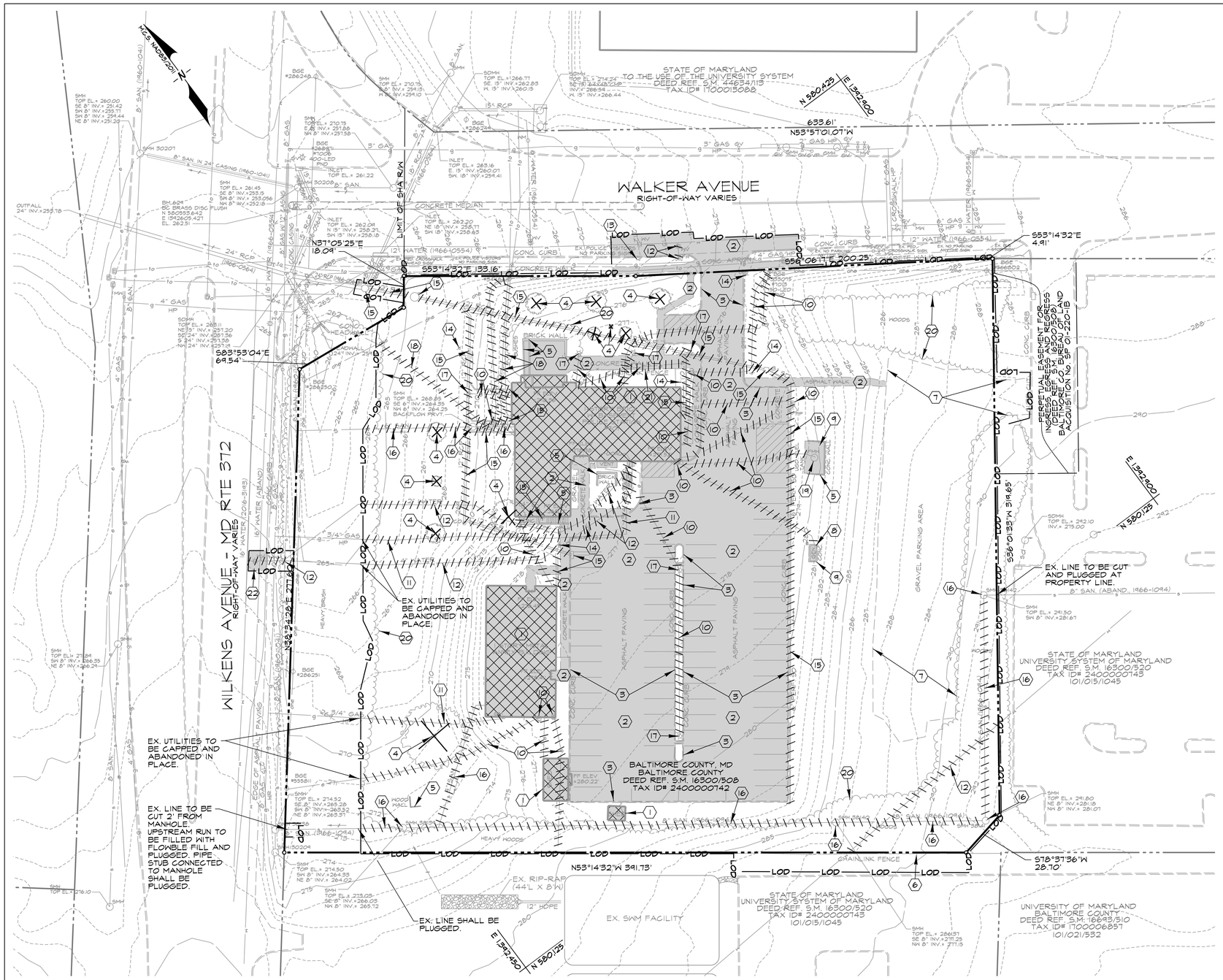
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

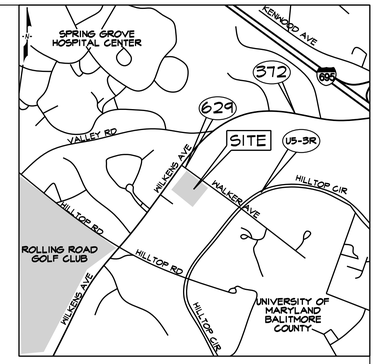
SEAL: BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
C1.01	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 9 OF 302
	DRAWING NUMBER: 2024 - 1322
	FILE NO.: 8 REV. 03/22



GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

OVERALL DEMOLITION PLAN
SCALE: 1" = 30'



VICINITY MAP
SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- ctv EX. CABLE TV
- 8" SAN EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- X X X EX. FENCE
- EX. WOODS LINE
- WM EX. WATER METER
- WV EX. WATER VALVE
- FH EX. FIRE HYDRANT
- SMH EX. SANITARY MANHOLE
- SMH EX. STORM DRAIN MANHOLE
- CO EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- EX. TREE / BUSH TO BE REMOVED
- APPROXIMATE LIMITS OF EX. UTILITIES TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED
- LOD LIMIT OF DISTURBANCE

DEMOLITION KEY

1. EX. BUILDING TO BE REMOVED
2. EX. PAVING & SIDEWALK TO BE REMOVED
3. EX. CURB & GUTTER TO BE REMOVED
4. EX. TREE / BUSH TO BE REMOVED (TYP.)
5. EX. WALL TO BE REMOVED
6. EX. FENCE & FOOTERS TO BE REMOVED AND REPLACED
7. EX. GRAVEL TO BE REMOVED
8. EX. GENERATOR TO BE RELOCATED (PHASE 1) AND REMOVED (PHASE 2)
9. EX. CONCRETE PAD TO BE REMOVED
10. EX. ELECTRICAL/COMMUNICATIONS LINE OR STRUCTURE TO BE REMOVED
11. EX. GAS SERVICE TO BE REMOVED
12. EX. WATER LINE TO BE REMOVED. STRUCTURES TO BE ABANDONED IN PLACE. WATER METER TO BE RETURNED. REFER TO PUBLIC WATER PLANS.
13. EX. SIGN TO BE RELOCATED
14. EX. SIGN TO BE REMOVED
15. EX. STORM DRAIN AND/OR STRUCTURE TO BE REMOVED
16. EX. SANITARY SEWER AND/OR STRUCTURE TO BE REMOVED
17. EX. LIGHT POLE & BASE TO BE REMOVED
18. EX. FIBER OPTIC LINE TO BE RELOCATED BY OTHERS. SEE ELECTRICAL SITE PLAN
19. EX. UNDERGROUND FUEL TANK PER ORIGINAL CONSTRUCTION DRAWINGS. TO BE REMOVED BY A MDE CERTIFIED UST CONTRACTOR. REFER TO SPEC SECTIONS 02 60 00 AND 02 65 00.
20. EX. TREE LINE TO BE REMOVED
21. EX. FENCE TO BE REMOVED
22. EX. PAVING TO BE REMOVED AND REPLACED IN KIND

NOTES:

1. FOR DEMOLITION NOTES SEE SHEET G1.00
2. FOR WORK WITHIN PUBLIC RIGHT-OF-WAY, REFER TO PUBLIC DRAWINGS (WATER AND ROAD).
3. **REFER TO EROSION & SEDIMENT CONTROL PLANS FOR PHASING OF DEMOLITION, UTILITIES, ETC.**

DWG. FILENAME:

SEAL: STATE OF MARYLAND · RYAN J. PIKE · 51066 · PROFESSIONAL ENGINEER
DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1 N. CHARLES STREET, SUITE 401, BALTIMORE, MD 21201, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP | DRN BY: RJP/SJG | CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET
R.O.W NO.	GSW

POSITION SHT
14SW19
14SW20
15SW19
15SW20

DRAWING SCALE	
PLAN SCALE:	1"=30'
PROFILE SCALE:	N/A
	N/A

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL DEMOLITION PLAN

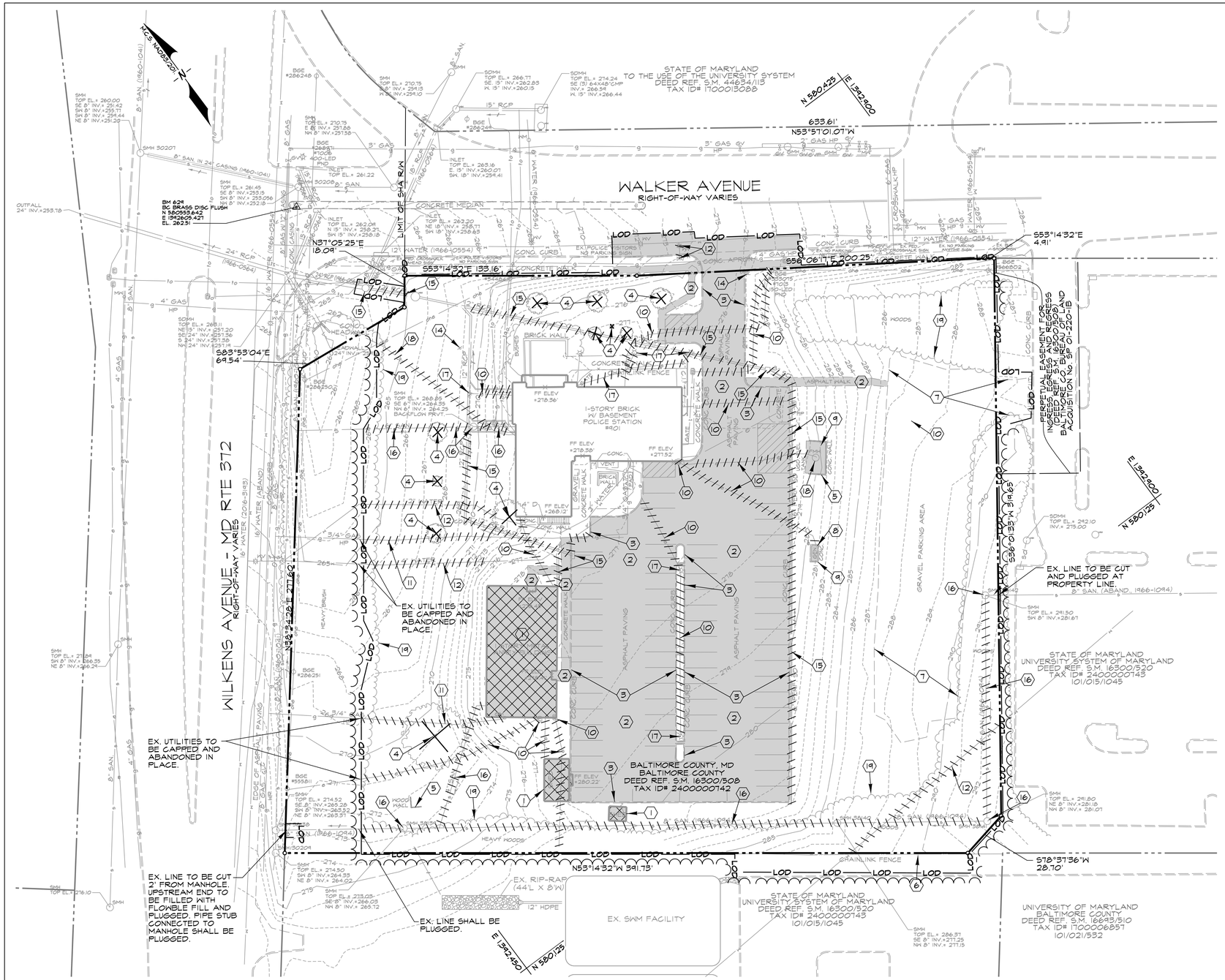
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

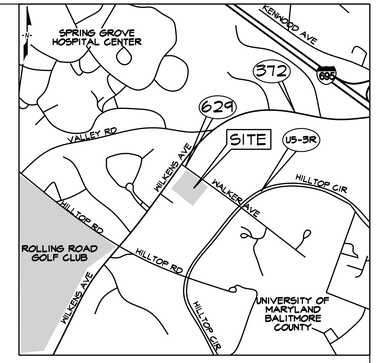
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C2.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 10 OF 302	
DRAWING NUMBER	2024 - 1323
FILE NO. 8	



GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 Inch = 30 ft.

DEMOLITION PLAN - PHASE I
SCALE: 1" = 30'



VICINITY MAP
SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 — EX. INDEX CONTOUR
- 284 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. FIBER OPTIC / COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- ctv — EX. CABLE TV
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 8" W — EX. WATER
- EX. FENCE
- EX. WOODS LINE
- WM — EX. WATER METER
- WV — EX. WATER VALVE
- FH — EX. FIRE HYDRANT
- SMH — EX. SANITARY MANHOLE
- SDMH — EX. STORM DRAIN MANHOLE
- CO — EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- EX. TREE / BUSH TO BE REMOVED
- APPROXIMATE LIMITS OF EX. UTILITIES TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED
- LOD — LIMIT OF DISTURBANCE

DEMOLITION KEY

1. EX. BUILDING TO BE REMOVED
2. EX. PAVING & SIDEWALK TO BE REMOVED
3. EX. CURB & GUTTER TO BE REMOVED
4. EX. TREE / BUSH TO BE REMOVED (TYP.)
5. EX. WALL TO BE REMOVED
6. EX. FENCE & FOOTERS TO BE TEMPORARILY REMOVED AND REPLACED
7. EX. GRAVEL TO BE REMOVED
8. EX. GENERATOR TO BE RELOCATED (PHASE 1) AND REMOVED (PHASE 2)
9. EX. CONCRETE PAD TO BE REMOVED
10. EX. ELECTRICAL/COMMUNICATIONS LINE OR STRUCTURE TO BE REMOVED
11. EX. GAS SERVICE TO BE REMOVED
12. EX. WATER LINE AND/OR STRUCTURES TO BE REMOVED
13. EX. SIGN TO BE RELOCATED
14. EX. SIGN TO BE REMOVED
15. EX. STORM DRAIN AND/OR STRUCTURE TO BE REMOVED
16. EX. SANITARY SEWER AND/OR STRUCTURE TO BE REMOVED
17. EX. LIGHT POLE & BASE TO BE REMOVED
18. EX. UNDERGROUND FUEL TANK PER ORIGINAL CONSTRUCTION DRAWINGS. TO BE REMOVED BY A MDE CERTIFIED UST CONTRACTOR. REFER TO SPEC SECTIONS 02 60 00 AND 02 65 00.
19. EX. TREE LINE TO BE REMOVED
20. EX. FIBER OPTIC LINE TO BE RELOCATED BY OTHERS, SEE ELECTRICAL SITE PLAN.

NOTES:

1. FOR DEMOLITION NOTES SEE SHEET C1.00
2. FOR WORK WITHIN PUBLIC RIGHT-OF-WAY, REFER TO PUBLIC DRAWINGS (WATER AND ROAD).
3. **REFER TO EROSION & SEDIMENT CONTROL PLANS FOR PHASING OF DEMOLITION, UTILITIES, ETC.**

DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PIKE, PE
PHONE: 667-210-2685
EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE: 6/14/25

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1"=30'
PROFILE SCALE:	N/A
	N/A

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: RJP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RJP/SJG	REVIEWED BY:							
CHKD BY: RJP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DEMOLITION PLAN - PHASE I

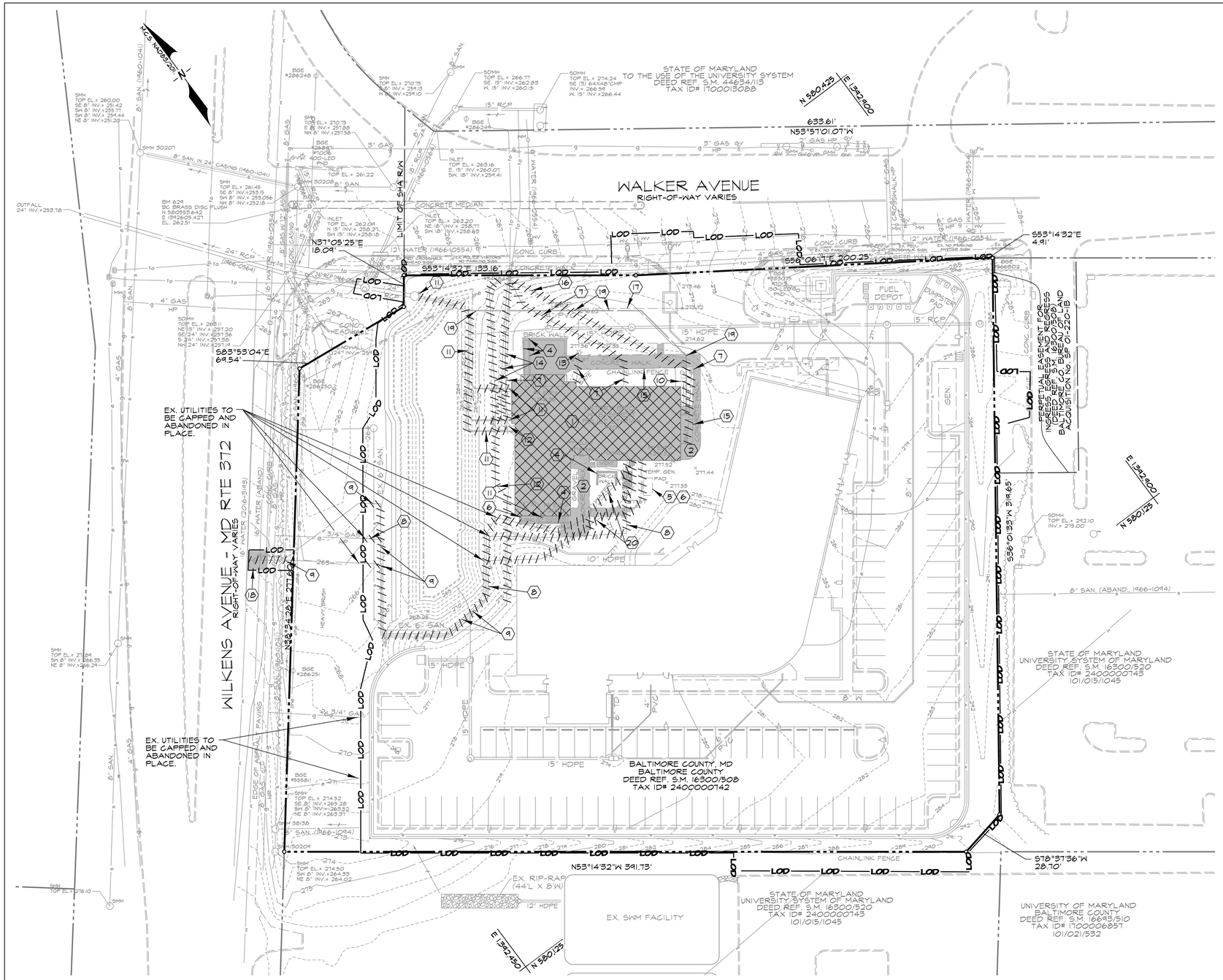
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C2.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 11 OF 302	DRAWING NUMBER
2024 - 1324	
FILE NO.: 8	



LEGEND

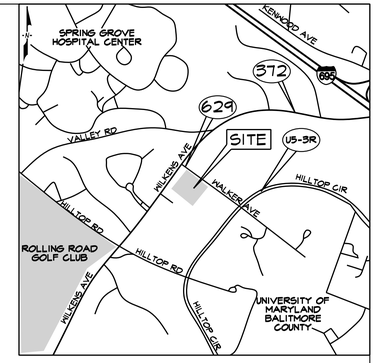
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 — EX. INDEX CONTOUR
- 284 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. FIBER OPTIC / COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- ctv — EX. CABLE TV
- t — EX. TELEPHONE
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 8" WATER — EX. WATER
- x — x — x — EX. FENCE
- EX. WOODS LINE
- WM — EX. WATER METER
- WV — EX. WATER VALVE
- FH — EX. FIRE HYDRANT
- SMH — EX. SANITARY MANHOLE
- SDMH — EX. STORM DRAIN MANHOLE
- CO — EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- EX. TREE / BUSH TO BE REMOVED
- APPROXIMATE LIMITS OF EX. UTILITIES TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED
- LOD — LIMIT OF DISTURBANCE

DEMOLITION KEY

1. EX. BUILDING TO BE REMOVED
2. EX. PAVING & SIDEWALK TO BE REMOVED
3. EX. CURB & GUTTER TO BE REMOVED
4. EX. WALL TO BE REMOVED
5. EX. GENERATOR TO BE REMOVED
6. EX. CONCRETE PAD TO BE REMOVED
7. EX. ELECTRICAL/COMMUNICATIONS LINE AND/OR STRUCTURE TO BE REMOVED
8. EX. GAS SERVICE TO BE REMOVED
9. EX. WATER LINE AND/OR STRUCTURES TO BE ABANDONED IN PLACE. WATER METER TO BE RETURNED. REFER TO PUBLIC WATER PLANS.
10. EX. SIGN TO BE REMOVED
11. EX. STORM DRAIN AND/OR STRUCTURE TO BE REMOVED
12. EX. SANITARY SEWER AND/OR STRUCTURE TO BE REMOVED
13. EX. LIGHT POLE & BASE TO BE REMOVED
14. EX. FIBER OPTIC LINE TO BE RELOCATED BY OTHERS. SEE ELECTRICAL SITE PLAN
15. EX. FENCE TO BE REMOVED
16. EX. TELEPHONE LINE TO BE REMOVED
17. TEMPORARY PARKING PAD TO BE REMOVED
18. EX. PAVING TO BE REMOVED AND REPLACED IN KIND
19. EX. TEMPORARY STORM DRAIN AND/OR STRUCTURE TO BE ABANDONED
20. EX. WATER LINE TO BE REMOVED.

NOTES:

1. FOR DEMOLITION NOTES SEE SHEET C1.00
2. FOR WORK WITHIN PUBLIC RIGHT-OF-WAY, REFER TO PUBLIC DRAWINGS (WATER AND ROAD).
3. **REFER TO EROSION & SEDIMENT CONTROL PLANS FOR PHASING OF DEMOLITION, UTILITIES, ETC.**



VICINITY MAP

SCALE: 1" = 1,000'

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

DEMOLITION PLAN - PHASE II

SCALE: 1" = 30'

DWG. FILENAME:

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025				R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1"=30' PROFILE SCALE: N/A N/A	APPROVED BY: PROPERTY MANAGER DATE:
ENGINEER MK CONSULTING ENGINEERS, LLC 1001 PORTER ST., SUITE 601 BALTIMORE, MD 21230 RYAN PIKE PHONE: 667-210-2485 EMAIL: RPIKE@MKCENG.COM	CONTRACT COMPLETION BOX							
DGN BY: RJP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT DRN BY: RJP/SJG	REVIEWED BY:							
BY: DATE:	DATE REVIEWED:							
CHKD BY: RJP								

STATE OF MARYLAND — RYAN J. PIKE — 51066 — PROFESSIONAL ENGINEER — 6/19/25

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DEMOLITION PLAN - PHASE II

NEW BUILDING DESIGN

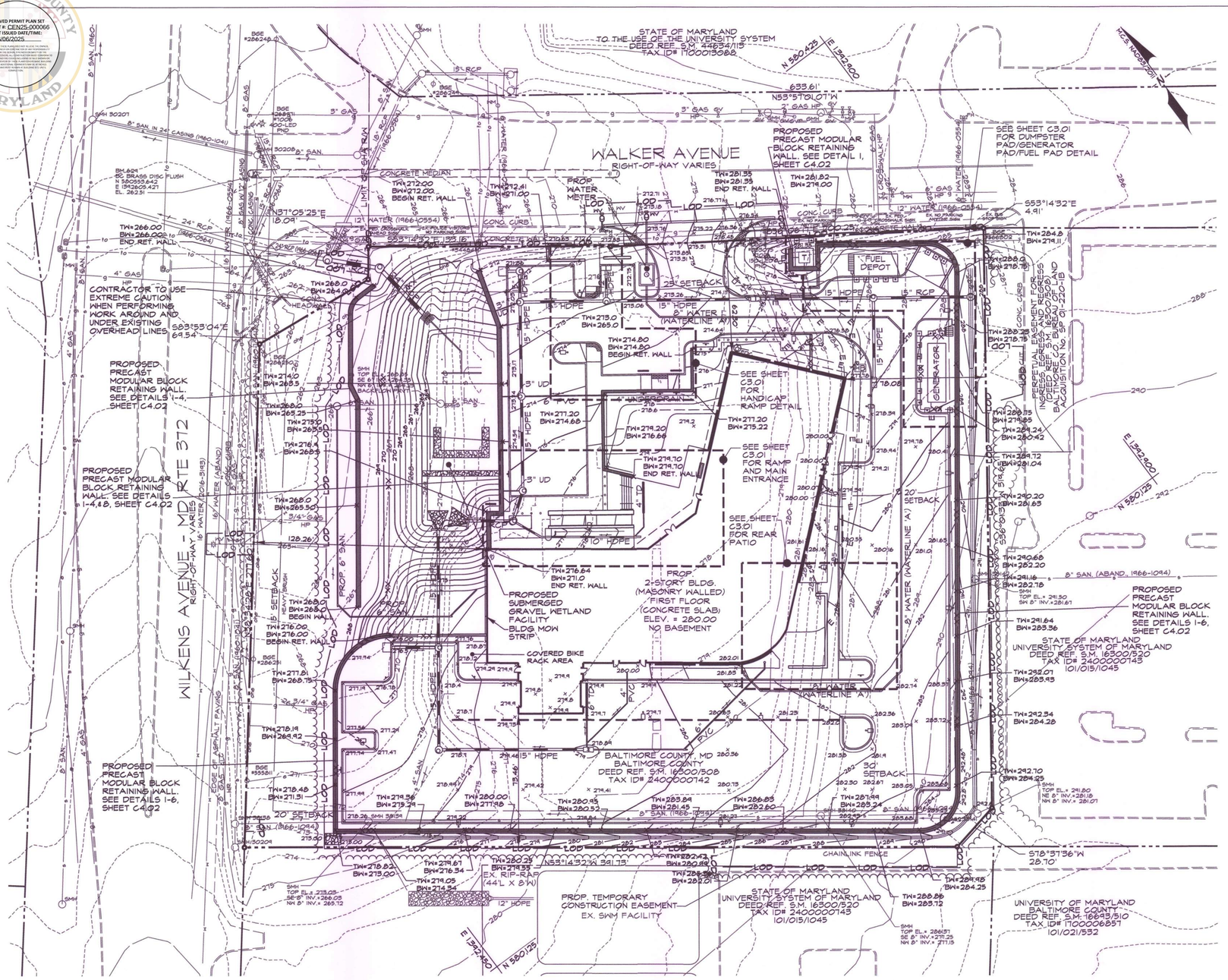
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C2.02	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 12 OF 302
	DRAWING NUMBER
	2024 - 1325
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME: 06/06/2025

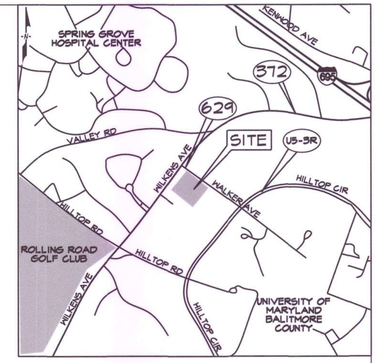


GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

SITE AND GRADING PLAN
SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. UNDERGROUND ELECTRIC
- ctv EX. CABLE TV
- 8" SAN. EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- X EX. FENCE
- EX. WOODS LINE
- EX. WATER METER, VALVE, HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- EX. BENCHMARK
- LOD LIMIT OF DISTURBANCE
- PROP. WOODS LINE
- 270 PROP. INDEX CONTOUR
- 272 PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- XX PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- E PROP. ELECTRIC SERVICE
- 4" SAN. PROP. SANITARY SEWER
- 8" WATER PROP. WATER LINE
- 15" HDPE PROP. STORM DRAIN LINE



VICINITY MAP
SCALE: 1" = 1,000'

CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM, AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580,553.642 E 1,392,605.427

NOTES:

1. THE PROPOSED GRADING SHOWN ON THIS PLAN MEETS THE REQUIREMENTS SET FORTH BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND COMPLIES WITH ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE. HOWEVER, DUE TO BUILDING TYPES AND LAYOUT, SOME FIELD ADJUSTMENTS MAY BE REQUIRED. ALL CHANGES MUST COMPLY WITH THE ABOVE MENTIONED REQUIREMENTS.
2. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
3. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST BUFFER EASEMENT OR OTHER FOREST RETENTION AREAS, EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.
4. STORMWATER MANAGEMENT HAS BEEN ADDRESSED THROUGH ENVIRONMENTAL SITE DESIGN.

SITE DATA

1. SITE ADDRESS:	901 WALKER AVE, CATONSVILLE, MD 21228
2. OWNER:	BALTIMORE COUNTY
3. TAX ACCOUNT NO.:	2400000142
4. PROPERTY REFERENCE:	MAP 0101, GRID 0015, PARCEL 1355
5. TAX ASSESSMENT DIST.:	24
6. ZONING: EXISTING USE: PROPOSED USE:	DR 3.5 POLICE PRECINCT POLICE PRECINCT
7. SETBACKS: REQUIRED:	FRONT 25' REAR 30' CORNER SIDE 15' INTERIOR SIDE 20' MAX BUILDING HEIGHT 50'
8. AREA OF SITE:	3.04 ACRES
9. PARKING:	THE SITE CURRENTLY CONTAINS 72 SPACES.
10. FLOODPLAIN INFO.:	ZONE X PER 24001C0038G FLOODPLAIN.
11. WATERSHED:	PATAPSCO RIVER
12. TOTAL DISTURBED AREA	125,356 S.F. = 2.88 AC.

OWNER'S/DEVELOPER'S CERTIFICATION-GRADING

I/WE CERTIFY THAT ALL GRADING ON THIS SITE WILL BE DONE IN ACCORDANCE WITH THE CURRENT GRADING REQUIREMENTS AS SET FORTH BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND WITH THE REQUIREMENTS SPECIFIED IN ARTICLES 33, TITLES 5 OF THE BALTIMORE COUNTY CODE.

Angela Doss — 03/17/2025
SIGNATURE OWNER/DEVELOPER — DATE

ANGELA DOSS — SENIOR PROJECT MANAGER
PRINT NAME — TITLE

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY
APPROVED FOR GRADING
05.14.25
DATE
STORMWATER MANAGEMENT REQUIRED

ENGINEER
MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE MD, 21230
ATTN: RYAN PIKE
EMAIL: RPIKE@MKCENG.COM
PHONE: 667-210-2485

OWNER/DEVELOPER
BALTIMORE COUNTY - PROPERTY MANAGEMENT
OFFICE OF BUDGET & FINANCE
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: 410-857-7912

SEAL: STATE OF MARYLAND — RYAN J PIKE — 21066 — PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W. NO. | GSW | 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 1"=30' | PROFILE SCALE: N/A | N/A

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
SITE AND GRADING PLAN
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
COUNCILMANIC DIST. NO.: 01
ELECTION DIST. NO.: 01C1

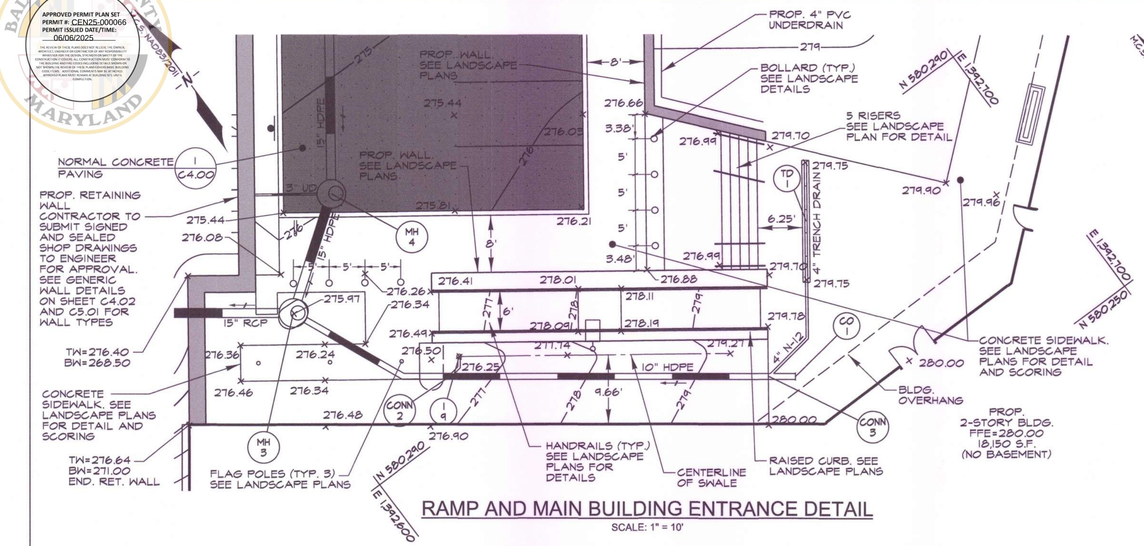
MARYLAND STATE COORDINATE SYSTEM

SHEET DESIGNATION	CONTRACT NUMBER
C3.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 13 OF 302	
DRAWING NUMBER	2024 - 1326
FILE NO.: 8	REVISION

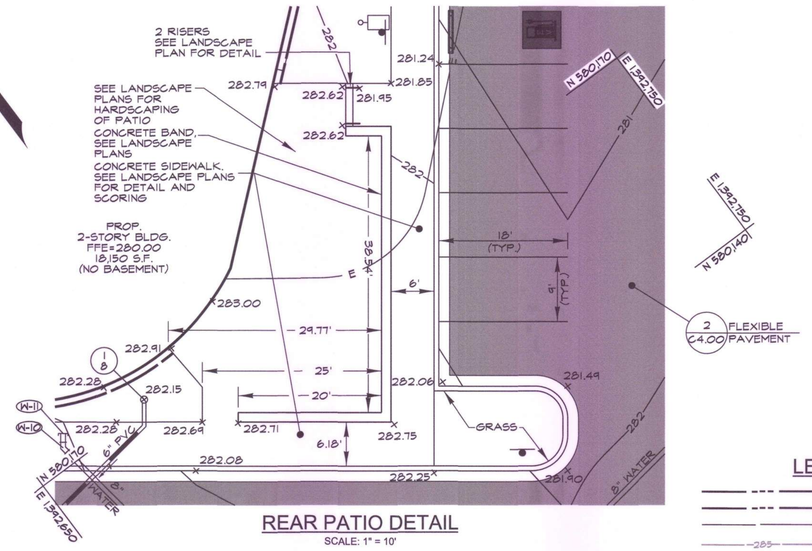
GRADING PLAN 1 OF 2

DWG. FILENAME:

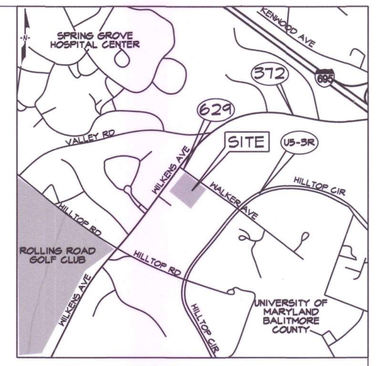
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-0000066
PERMIT ISS/ED DATE/TIME:
06/06/2025
THIS REVIEW OF THESE PLANS DOES NOT RELIEVE THE OWNER, DEVELOPER, ENGINEER, OR ARCHITECT OF THE RESPONSIBILITY TO MEET ALL REQUIREMENTS OF THE COUNTY, STATE AND FEDERAL LAWS AND REGULATIONS. THE APPROVAL OF THESE PLANS DOES NOT AUTHORIZE THE BUILDING OR USE SHOWN HEREON UNLESS ALL OTHER REQUIRED PERMITS HAVE BEEN OBTAINED. ANY CHANGES, ADDITIONS, OR DEMOLITION NOT SHOWN ON THE APPROVED PLANS MUST BE SUBMITTED TO AND APPROVED BY DEPS BEFORE CONSTRUCTION.
BALTIMORE COUNTY MARYLAND



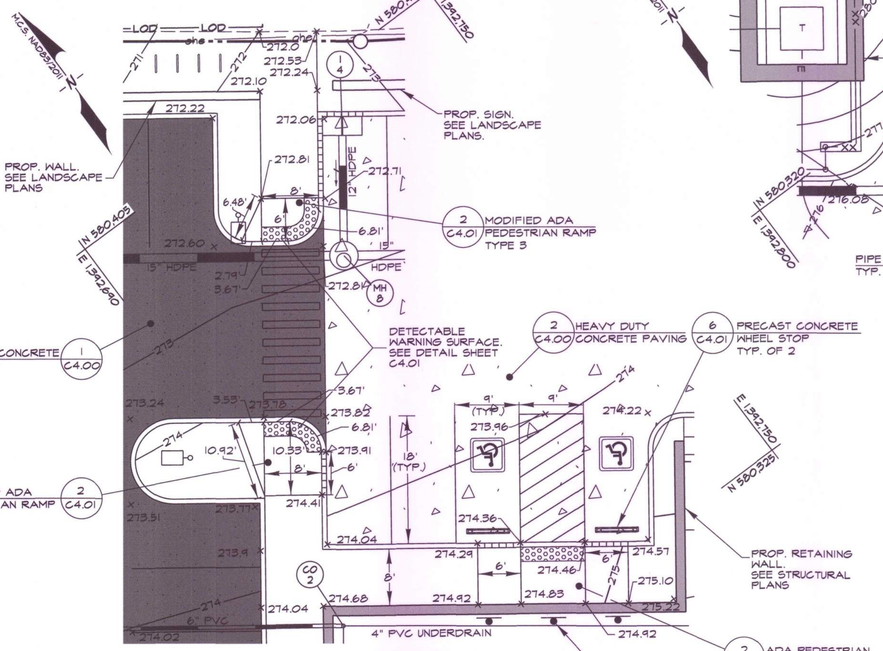
RAMP AND MAIN BUILDING ENTRANCE DETAIL
SCALE: 1" = 10'



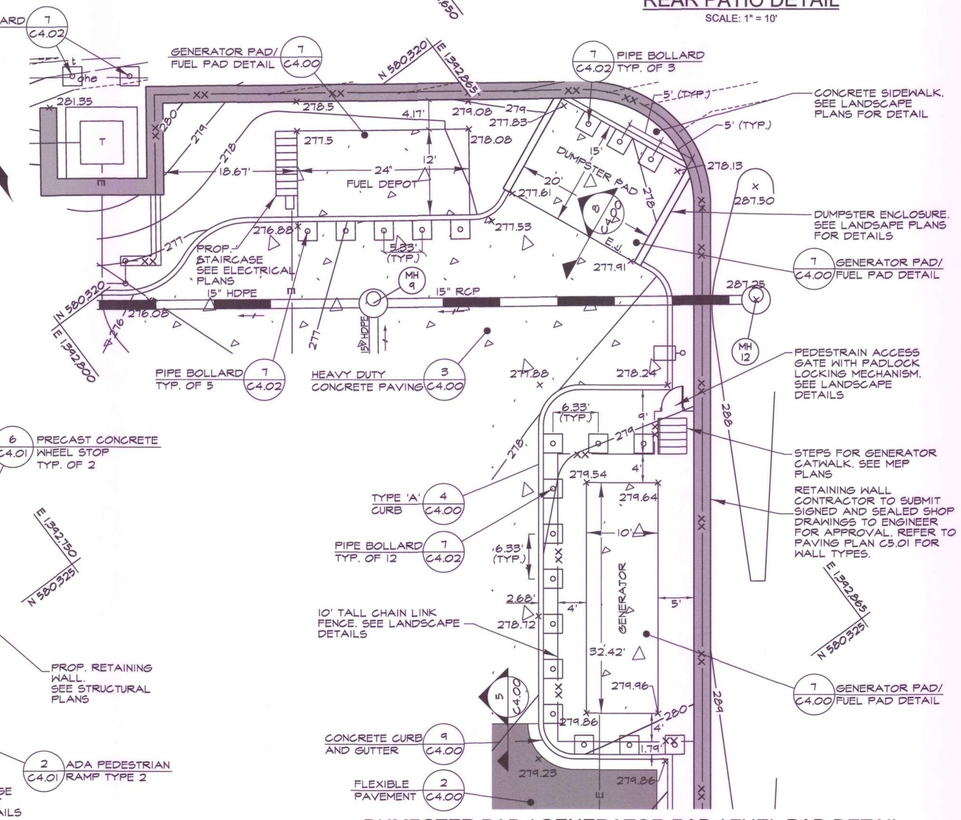
REAR PATIO DETAIL
SCALE: 1" = 10'



VICINITY MAP
SCALE: 1" = 1,000'



HANDICAP RAMP DETAIL
SCALE: 1" = 10'



DUMPSTER PAD / GENERATOR PAD / FUEL PAD DETAIL
SCALE: 1" = 10'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- catv EX. CABLE TV
- 8" SAN. EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- EX. FENCE
- EX. WOODS LINE
- WM EX. WATER METER
- WV EX. WATER VALVE
- FH EX. FIRE HYDRANT
- SMH EX. SANITARY MANHOLE
- MH EX. STORM DRAIN MANHOLE
- CO EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- LOD LIMIT OF DISTURBANCE
- 270 PROP. INDEX CONTOUR
- 272 PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- XX PROP. FENCE LINE
- PROP. RETAINING WALL, SEE STRUCTURAL PLANS.
- PROP. CONCRETE WALK
- E PROP. ELECTRIC SERVICE
- 4" SAN. PROP. SANITARY SEWER
- 8" WATER PROP. WATER LINE
- 15" HDPE PROP. STORM DRAIN LINE
- PROP. SITE LIGHTING, SEE ELECTRICAL PLANS.
- PROP. BOLLARD
- PROP. SIGN

NOTE:
ALL SPOT ELEVATIONS SHOWN ALONG CURB DENOTE BOTTOM OF CURB

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J. PHOTI — 51066 — PROFESSIONAL ENGINEER

DATE: 4/4/25

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE 06/07/2025					R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1"=10'	APPROVED BY: PROPERTY MANAGER
ENGINEER	MK CONSULTING ENGINEERS, LLC 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PHOTI, PE PHONE: 667-210-2485 EMAIL: RPHOTI@MKCEING.COM	CONTRACT COMPLETION BOX						PROFILE SCALE: N/A N/A	DATE:
AS-BUILT PER RECORD PRINT		BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BY: DATE:		REVIEWED BY:							
DGN BY: RJP	DWN BY: RJP/SJG	DATE REVIEWED:							
CHKD BY: RJP									

GRADING PLAN 2 OF 2

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DETAILED GRADING PLAN

NEW BUILDING DESIGN

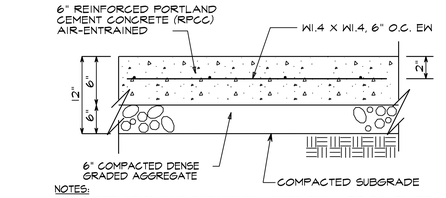
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

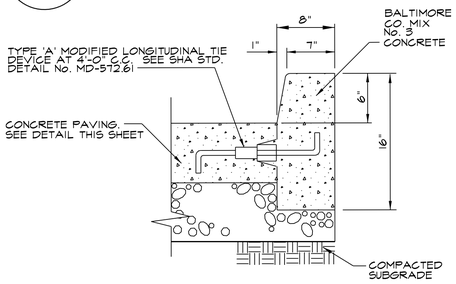
BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
C3.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 14 OF 302	
DRAWING NUMBER	2024 - 1327
FILE NO.: 8	

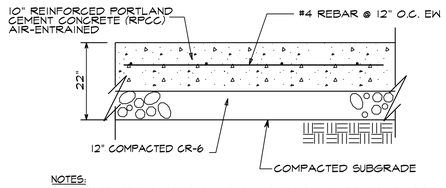


NOTES:
1. CONSTRUCTION AND EXPANSION JOINTS SHALL BE DOWELLED AT 12' O.C. WITH AN 1/2" DIAMETER, 16" LONG SMOOTH DOWELS (SLIP DOWLES WITH PLASTIC SLEEVES)
2. JOINT SPACING SHOULD NOT EXCEED 15' IN ANY HORIZONTAL DIRECTION.
3. MINIMUM COMPRESSION STRENGTH 4000 psi

1 / C4.00 NORMAL CONCRETE PAVING
NOT TO SCALE

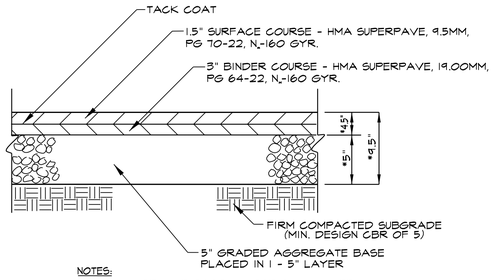


4 / C4.00 TYPE 'A' CURB
NOT TO SCALE



NOTES:
1. CONSTRUCTION AND EXPANSION JOINTS SHALL BE DOWELLED AT 12' O.C. WITH AN 1/2" DIAMETER, 16' LONG SMOOTH DOWELS (SLIP DOWLES WITH PLASTIC SLEEVES)
2. JOINT SPACING SHOULD NOT EXCEED 20' IN ANY HORIZONTAL DIRECTION.
3. MINIMUM COMPRESSION STRENGTH 4000 psi

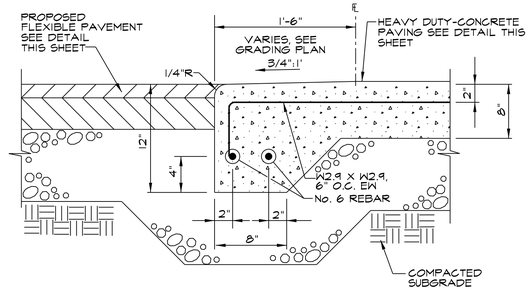
7 / C4.00 GENERATOR PAD / FUEL PAD DETAIL
NOT TO SCALE



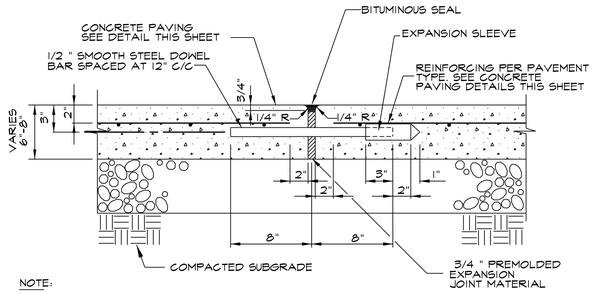
NOTES:
1. THE AGGREGATE BASE COURSE SHOULD MEET THE SPECIFICATIONS OF MSHA GA BASE OR CR-6

*THICKNESS SHOWN ARE AFTER COMPACTION

2 / C4.00 FLEXIBLE PAVEMENT
NOT TO SCALE

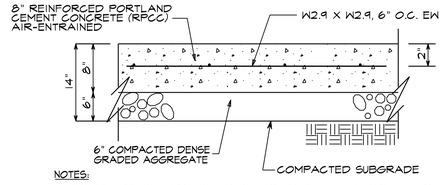


5 / C4.00 TIE IN FOR HEAVY DUTY AND REINFORCED CONCRETE PAVING
NOT TO SCALE



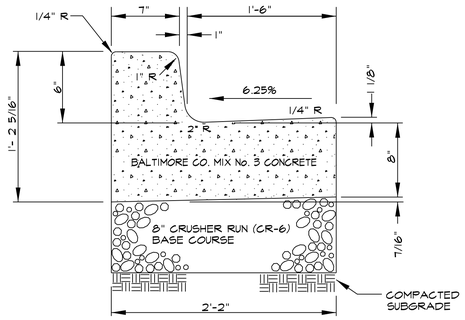
NOTE:
1. SMOOTH DOWELS SHALL BE PAINTED WITH APPROVED RED LEAD BEFORE DELIVERY AND FREE END SHALL BE GREASED BEFORE INSTALLATION.
2. SEE MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAIL No. MD 572.92.

8 / C4.00 TIE IN AT EXPANSION JOINT
NOT TO SCALE

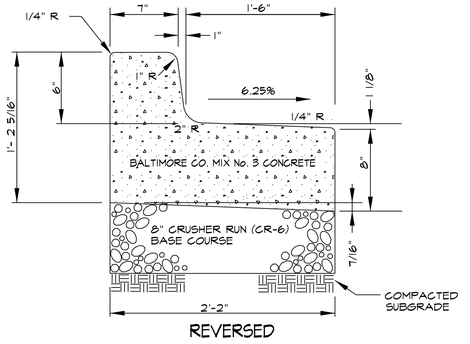


NOTES:
1. CONSTRUCTION AND EXPANSION JOINTS SHALL BE DOWELLED AT 12" O.C. WITH AN 1/2" DIAMETER, 16" LONG SMOOTH DOWELS (SLIP DOWLES WITH PLASTIC SLEEVES)
2. JOINT SPACING SHOULD NOT EXCEED 20' IN ANY HORIZONTAL DIRECTION.
3. MINIMUM COMPRESSION STRENGTH 4000 psi

3 / C4.00 HEAVY DUTY CONCRETE PAVING
NOT TO SCALE



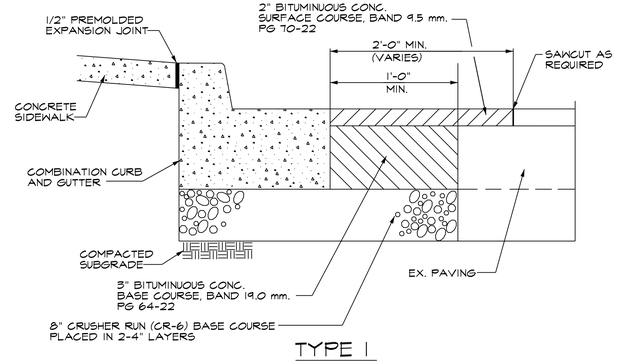
STANDARD



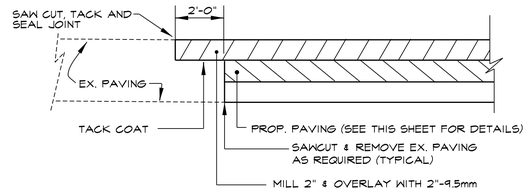
REVERSED

NOTES:
1. PROVIDE EXPANSION JOINTS EVERY 20' (MAX.).
2. PROVIDE CONTROL JOINTS EVERY 10' (MAX.). JOINTS ARE TO ALIGN WITH THE PROPOSED SIDEWALK JOINTS (TYPICAL).
3. SEE CONCRETE SIDEWALK DETAIL THIS SHEET REGARDING SCORING OF SIDEWALK.
4. SEE BALTIMORE COUNTY STANDARD DETAIL R-21 FOR ADDITIONAL INFORMATION.

9 / C4.00 CONCRETE CURB AND GUTTER
NOT TO SCALE

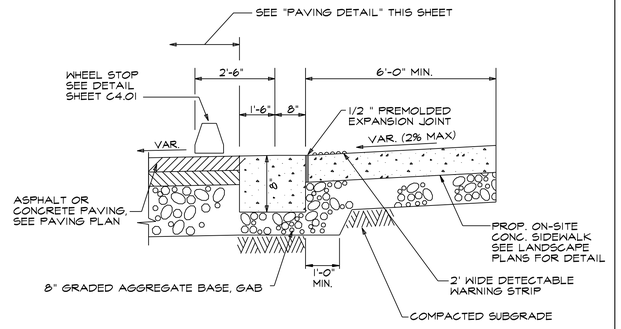


TYPE I



TYPE II

6 / C4.00 PAVING TIE-IN DETAIL
NOT TO SCALE



10 / C4.00 DEPRESSED CURB & GUTTER AT ADA RAMP
NOT TO SCALE

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J. PIKE — 21085 — PROFESSIONAL ENGINEER — 6/14/25

DATE:

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2685, EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	AS SHOWN
AS SHOWN	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SITE DETAILS

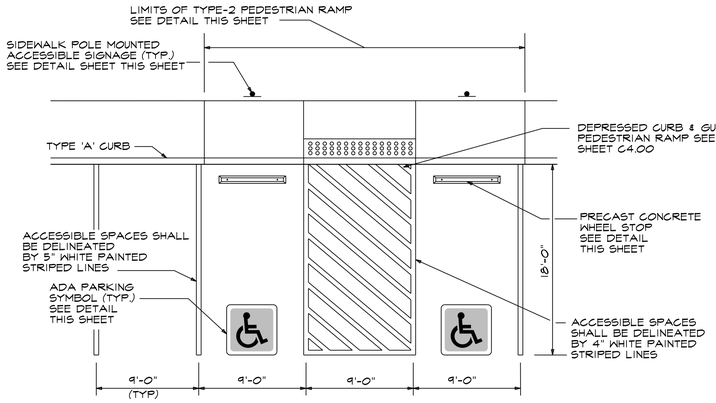
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

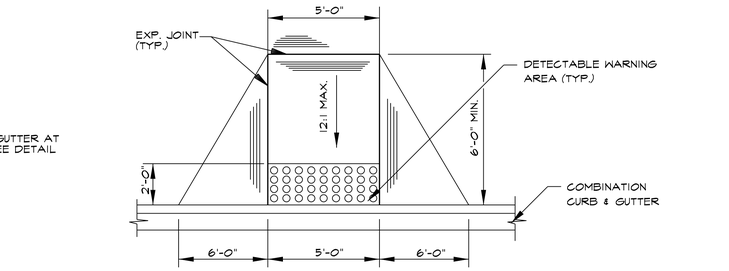
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C4.00	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 15 OF 302
	DRAWING NUMBER
	2024 - 1328
	FILE NO.: 8

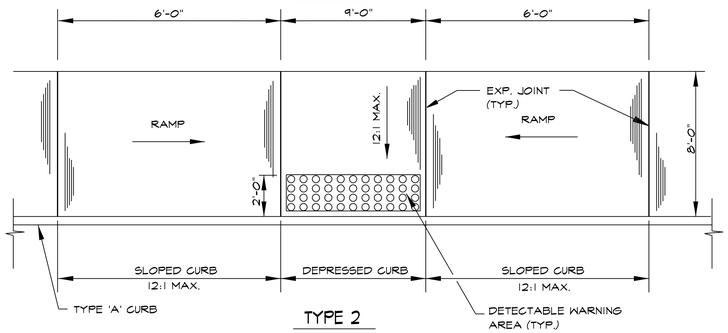


NOTE:
SEE GRADING PLAN FOR ELEVATIONS. ACCESSIBLE SPACES AND LOADING AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION

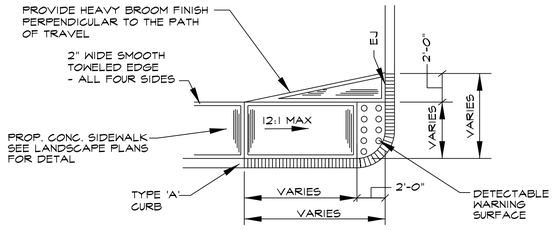
1 / C4.01 — ADA PARKING AREA
NOT TO SCALE



TYPE 1



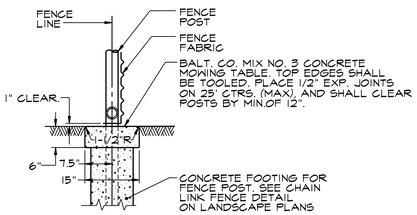
TYPE 2



TYPE 3

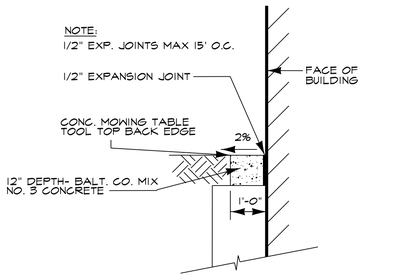
NOTES:
1. SURFACE TEXTURE OF RAMPS SHALL BE COARSE BROOMING OR NON SKID SURFACE.
2. SEE BALTIMORE COUNTY STANDARD DETAIL R-36A FOR ADDITIONAL INFORMATION.
3. DETECTABLE WARNING AREAS SHALL BE SQUARE PATTERN RED MASONRY UNITS, PARALLEL ALIGNMENT. SEE BALTIMORE COUNTY STANDARD DETAIL R-36C FOR ADDITIONAL INFORMATION.
4. SEE DEPRESSED CURB AND GUTTER AT ADA RAMP DETAIL, SEE SHEET C4.00

2 / C4.01 — ADA PEDESTRIAN RAMP
NOT TO SCALE

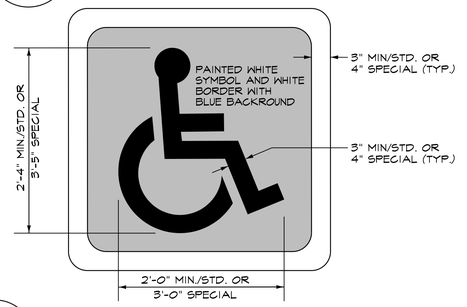


NOTE:
MOW TABLE AT ALL FENCE UNLESS OTHERWISE NOTED.

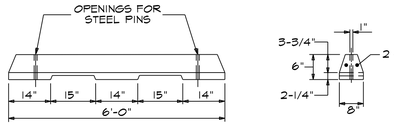
3 / C4.01 — FENCE MOW TABLE
NOT TO SCALE



4 / C4.01 — BUILDING MOW STRIP
NOT TO SCALE



5 / C4.01 — ADA PARKING SYMBOL
NOT TO SCALE



ELEVATION

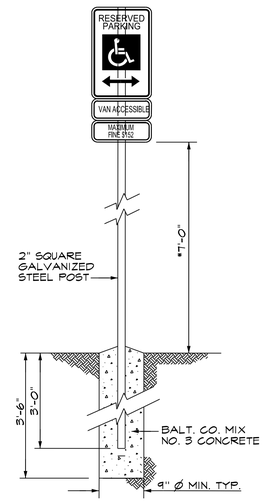
SECTION

NOTE:
1. CONTRACTOR TO PROVIDE TWO (2) NO.8 REBARS, 16" LONG FOR EACH WHEEL STOP.

6 / C4.01 — PRECAST CONCRETE WHEEL STOP
NOT TO SCALE

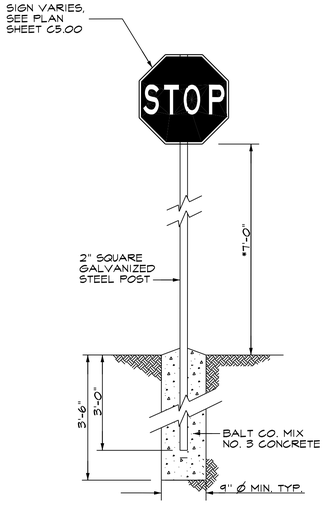
1. SIGN MATERIAL AND LETTERING SHALL BE ENGINEERING/GRADE REFLECTIVE.
2. GRAPHICS AND BORDER SHALL BE RED ON WHITE BACKGROUND.
3. FONT SHALL BE HIGHWAY-STYLE B OR C AS INDICATED.
4. SIGN SHALL BE INSTALLED AT 7' ABOVE GRADE.
5. ARROWS ON THE ENDS SHOULD POINT IN ONLY ONE DIRECTION TOWARD THE FIRE LANE. SIGNAGE WITHIN THE FIRE LANE SHOULD SHOW ARROWS POINTING IN BOTH DIRECTIONS.
6. SIGNS SHOULD BE INSTALLED EVERY 50'-0" ALONG THE FIRE LANE.

7 / C4.01 — FIRE LANE SIGNAGE
NOT TO SCALE



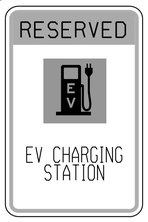
*HEIGHT SHALL BE MEASURED FROM BOTTOM OF WALL, WHERE APPLICABLE. SEE PLANS.

8 / C4.01 — MULTIPLE SIGN MOUNTING
NOT TO SCALE



*HEIGHT SHALL BE MEASURED FROM BOTTOM OF WALL, WHERE APPLICABLE. SEE PLANS.

9 / C4.01 — STANDARD SIGN MOUNTING
NOT TO SCALE

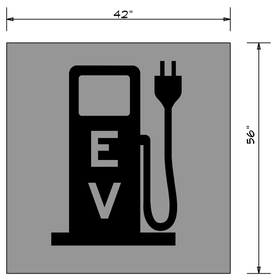


NOTE:
1. PER MUTCD, LATEST EDITION

10 / C4.01 — ELECTRIC VEHICLE CHARGING SIGN
NOT TO SCALE

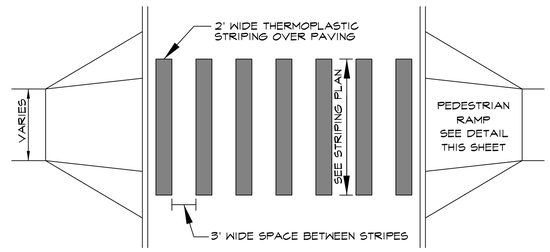
NOTE:
1. PER MUTCD, LATEST EDITION

11 / C4.01 — ADA VEHICLE PARKING SIGN
NOT TO SCALE



NOTE:
1. PAINTED WHITE SYMBOL & LETTERING WITH "ELECTRIC CAR GREEN" BACKROUND
2. WATERBORNE PAINT MANUFACTURED BY SHERWIN WILLIAMS

12 / C4.01 — ELECTRIC VEHICLE PARKING SYMBOL
NOT TO SCALE



13 / C4.01 — CROSSWALK STRIPING
NOT TO SCALE

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J PIRET — 21066 — PROFESSIONAL ENGINEER
DATE: 6/14/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIRET, 270-2485, EMAIL: RJPIRET@MKCLNG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE: AS SHOWN; AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SITE DETAILS

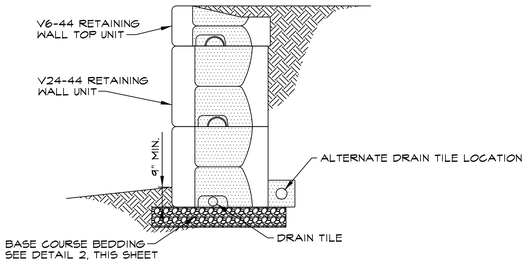
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

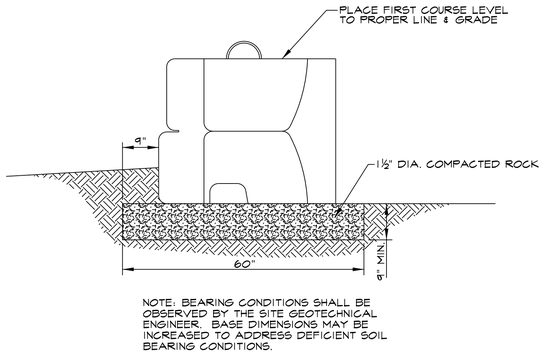
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C4.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 16 OF 302
	DRAWING NUMBER
	2024 - 1329
	FILE NO.: 8



1 C4.02 TYPICAL LARGE BLOCK GRAVITY WALL CROSS SECTION (VERTICAL FACE)

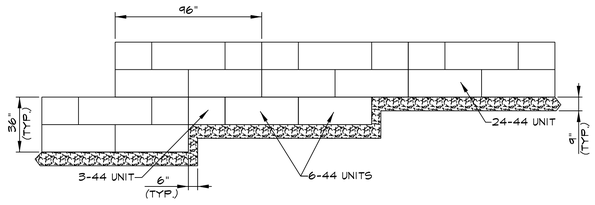
NOT TO SCALE



NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

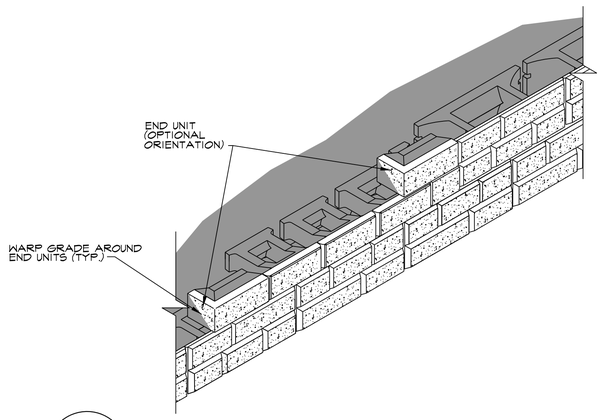
2 C4.02 TYPICAL BASE COURSE BEDDING LAYER DETAIL

NOT TO SCALE



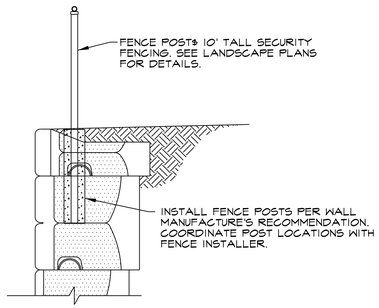
3 C4.02 TYPICAL WALL BASE STEP DETAIL

NOT TO SCALE



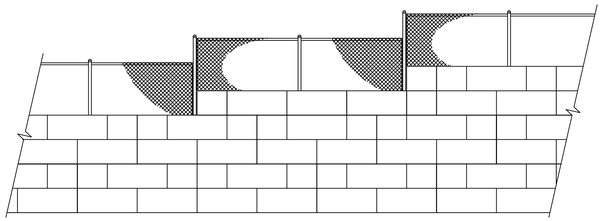
4 C4.02 TYPICAL TOP OF WALL STEP DETAIL

NOT TO SCALE



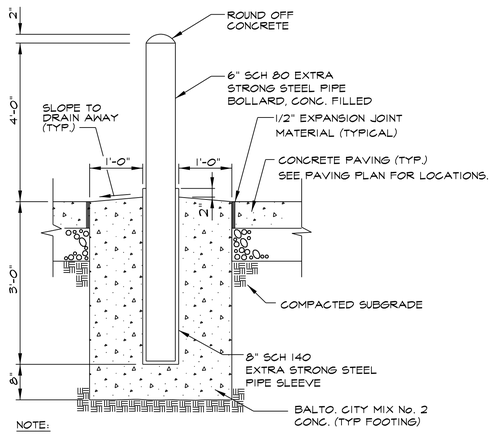
5 C4.02 FENCE IN WALL DETAIL

NOT TO SCALE



6 C4.02 TYPICAL FENCE CONFIGURATION

NOT TO SCALE



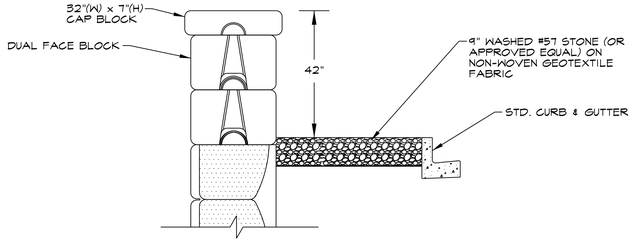
NOTE:

1. PIPE BOLLARDS TO BE PRIMED AND PAINTED WITH EXTERIOR ENAMEL PAINT. COLOR TO BE PER ARCHITECT.

7 C4.02 PIPE BOLLARD (SERVICE AREA)

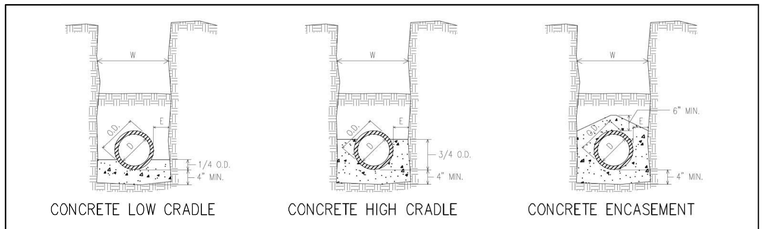
NOT TO SCALE

NOTE: FENCE HEIGHT TO BE 10' MIN., MEASURED FROM TOP OF WALL FINISHED GRADE TO TOP OF FENCE, AT ALL TIMES.



8 C4.02 RETAINING WALL SECTION AT SWM FACILITY

NOT TO SCALE



CONCRETE LOW CRADLE | CONCRETE HIGH CRADLE | CONCRETE ENCASEMENT

CONCRETE QUANTITIES – CUBIC FT. PER LINEAR FT.			
PIPE DIAMETER (D)	LOW CRADLE	HIGH CRADLE	ENCASEMENT
6"	0.94	1.38	2.15
8"	1.09	1.67	2.57
12"	1.40	2.25	3.43
16"	1.73	2.87	4.35
20"	2.09	3.51	5.32
24"	2.47	4.18	6.35
30"	3.6	6.4	9.6
36"	4.3	7.7	11.6
42"	5.7	10.7	15.9
48"	6.6	12.3	18.4
	①	②	③

① $CF/F = (W \times (0.333 + OD/4)) - 0.154 \times (OD)^2$
② $CF/F = (W \times (0.333 + (0.750 \times OD))) - 0.632 \times (OD)^2$
③ $CF/F = (W \times (0.833 + OD)) - 0.785 \times (OD)^2 - 0.25 \times W$

W = CRADLE PAYMENT WIDTH (TRENCH WIDTH)
W = O.D. + 2E

E = 9" FOR 6" TO 24" PIPES
E = 12" FOR 27" TO 36" PIPES
E = 15" FOR 42" TO 72" PIPES

NOTES:

1. QUANTITIES ARE FOR ESTIMATING ONLY.
2. QUANTITIES BASED ON DUCTILE IRON PIPE.
3. FORMULAS SHOWN MAY BE USED FOR PIPE OTHER THAN D.I.P AND/OR FOR SIZES NOT SHOWN.
4. ALL CONCRETE TO BE MIX #1.

APPROVED:
DIRECTOR
BUR. OF ENGINEERING/CONSTRUCTION
SEPTEMBER 28, 2023
DATE

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
GENERAL DETAILS
TRENCH CRADLE AND ENCASEMENT

ISSUED: SEPTEMBER 2023

PLATE G-8

FILE: G8TC_DETAILS.DGN

DATE: 09/28/2023

9 C4.02 TRENCH CRADLE AND ENCASEMENT

NOT TO SCALE

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN PINK — 51066 — PROFESSIONAL ENGINEER

DATE: 6/14/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PINK, PE
PHONE: 667-210-2684
EMAIL: RPINK@MKENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.
R.O.W. NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE: AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SITE DETAILS

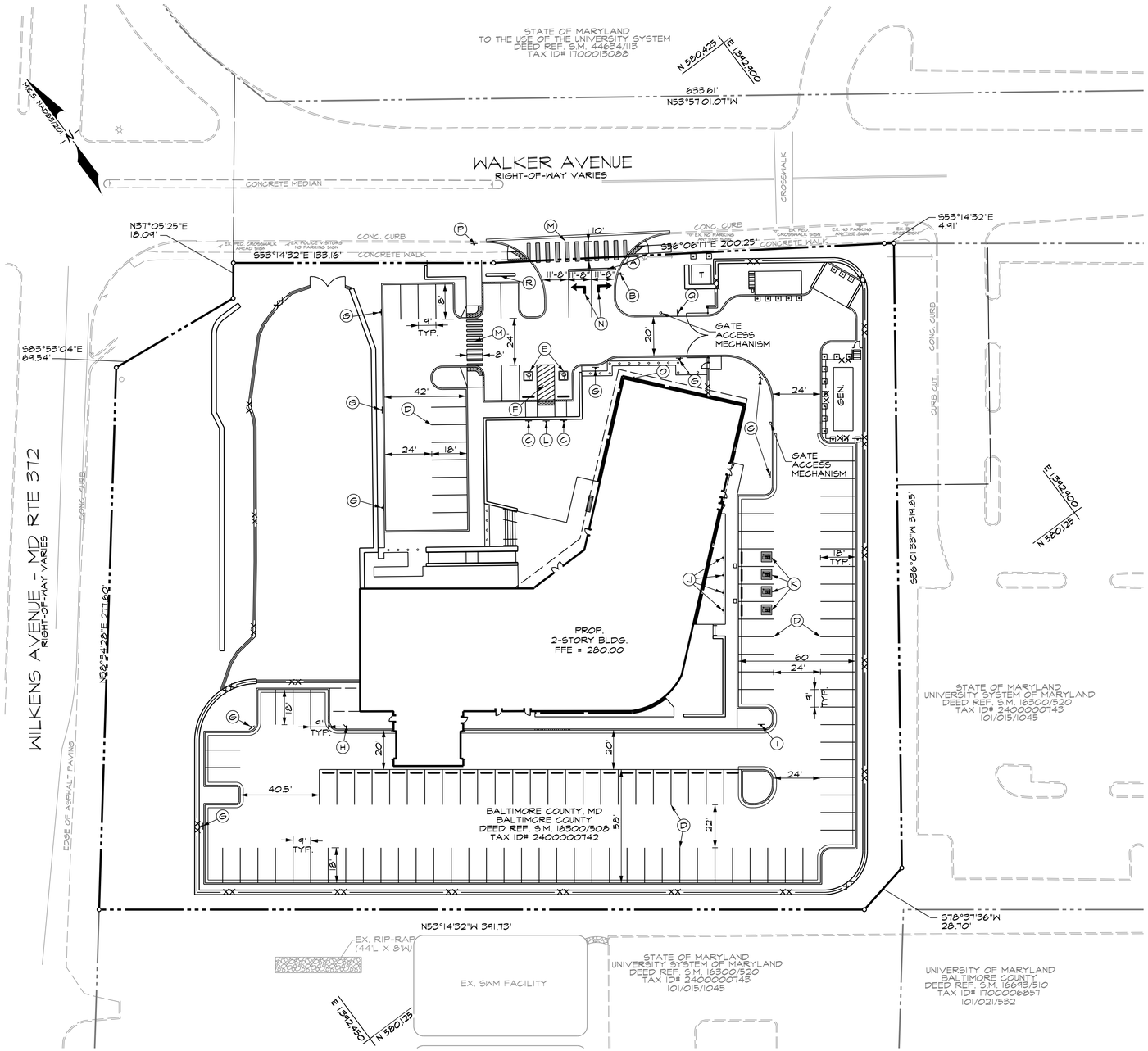
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C4.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 17 OF 302	
DRAWING NUMBER	2024 - 1330
FILE NO.: 8	



STRIPING AND SIGNAGE PLAN

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. CURB AND GUTTER
- EX. FENCE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- PROPOSED PAINTED ADA SYMBOL
- PROPOSED POST MOUNTED SIGN
- PROPOSED PAINTED DIRECTIONAL ARROW
- PROPOSED PAINTED CROSSWALK
- PROPOSED PAINTED EV PARKING SYMBOL

STRIPING AND SIGNAGE KEY

- (A) 24" WIDE SOLID THERMOPLASTIC WHITE STOP BAR AT 40°TO THE CENTERLINE
- (B) "STOP" SIGN WITH 30"X30" DIMENSIONS (SEE MUTCD DETAIL R1-1)
- (C) "RESERVED PARKING" FOR ADA SIGNAGE, 12" X 18" (SEE DETAIL SHEET C4.01)
- (D) 5" WIDE SOLID THERMOPLASTIC WHITE LINE
- (E) ADA PARKING SYMBOL (SEE DETAIL SHEET C4.01)
- (F) 4" SOLID THERMOPLASTIC WHITE LINES WITH 30" SPACING AT 45° FROM PARKING SPACES / CURB
- (G) "NO PARKING FIRE LANE" SIGN SPACED 50' APART. (SEE DETAIL SHEET C4.01)
- (H) "DO NOT ENTER" SIGN (SEE LEGEND THIS SHEET)
- (I) "ONE WAY" SIGN (SEE LEGEND THIS SHEET)
- (J) "ELECTRIC VEHICLE PARKING ONLY" SIGN (SEE SHEET C4.01)
- (K) ELECTRIC VEHICLE PARKING SYMBOL (SEE SHEET C4.01)
- (L) "NO PARKING IN ACCESS AISLE" (SEE LEGEND THIS SHEET)
- (M) CROSSWALK STRIPING (SEE SHEET C4.01)
- (N) DIRECTIONAL ARROWS PER MUTCD FIGURE 3B-24
- (O) "FDC" SIGN (SEE FIRE PROTECTION PLANS FOR FINAL LOCATION)
- (P) RELOCATED "POLICE VISITORS & NO PARKING ANY TIME" SIGN (SEE LEGEND THIS SHEET)
- (Q) "AUTHORIZED VEHICLES ONLY" SIGN (SEE LEGEND THIS SHEET)
- (R) MONUMENTAL BUILDING SIGN (SEE LANDSCAPE PLANS FOR DETAILS)

STRIPING AND SIGNAGE NOTES

1. ALL SITE SIGNAGE SHALL BE ACCORDANCE WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS", 2009 EDITION WITH REVISION NUMBERS 1 & 2 INCORPORATED, OR AS INTENDED.
2. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK SHOWN ON THESE DRAWINGS UNLESS OTHERWISE NOTED.
3. SEE SHEET C4.01 FOR SIGN MOUNTING DETAILS.

SIGN LEGEND

SIGN SYMBOL	NUMBER OF SIGNS	MUTCD SIGN DESIGNATION
RESERVED PARKING / VAN ACCESSIBLE / MAXIMUM FINE $500	2	R7-8, R7-8a
STOP	1	R1-1
DO NOT ENTER	1	R5-1
ONE WAY	1	R6-1L
NO PARKING FIRE LANE	9	12" x 18"
NO PARKING IN ACCESS AISLE	1	R8-1(2)
RESERVED / EV CHARGING STATION	4	12" x 18"
FDC	1	18" x 12"
AUTHORIZED VEHICLES ONLY	1	R5-11
POLICE VISITORS ONLY / NO PARKING ANY TIME	1	12" x 18", R7-1

DWG. - FILENAME:

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND RYAN J PIRKL 51066 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 51066 EXPIRATION DATE: 06/07/2027				R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1"=30'	APPROVED BY: PROPERTY MANAGER
DATE: 6/19/25	ENGINEER: MK CONSULTING ENGINEERS, LLC. 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PIRKL, PE 410-685-2485 EMAIL: RPIRKL@MKCLENG.COM	CONTRACT COMPLETION BOX						PROFILE SCALE: N/A N/A	DATE:
	AS-BUILT PER RECORD PRINT BY: DATE:	DGN BY: RJP; DWN BY: RJP/SJG; CHKD BY: RJP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
			DATE REVIEWED:	REVIEWED BY:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

STRIPING AND SIGNAGE PLAN

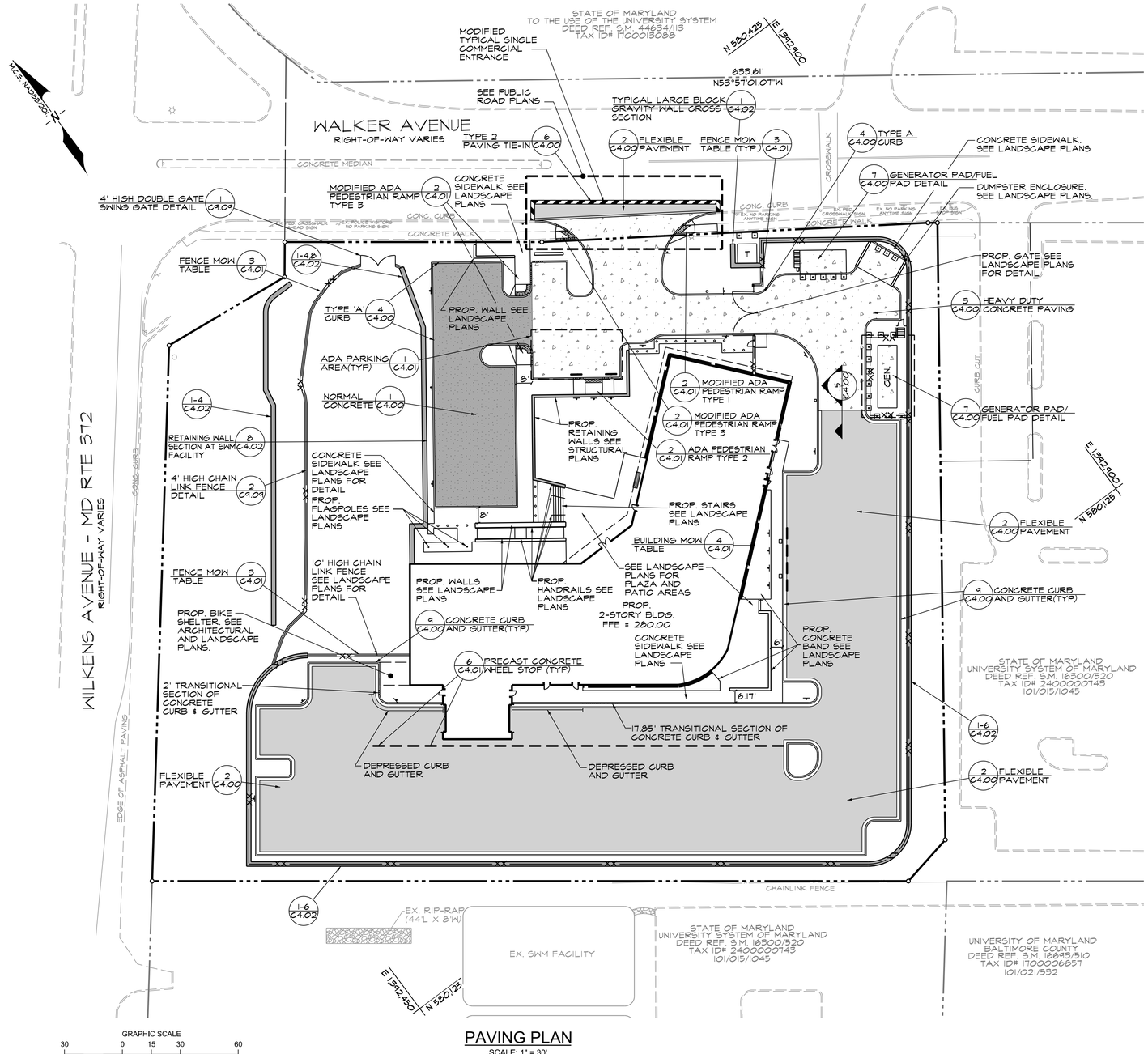
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C5.00	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 18 OF 302
	DRAWING NUMBER: 2024 - 1331
	FILE NO.: 8



PAVING PLAN

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. CURB AND GUTTER
- EX. FENCE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- APPROXIMATE LIMITS OF NORMAL CONCRETE SECTION
- APPROXIMATE LIMITS OF HEAVY-DUTY CONCRETE
- APPROXIMATE LIMITS OF FLEXIBLE PAVEMENT
- APPROXIMATE LIMITS OF PAVING TIE-IN

NOTE:
1. SEE LANDSCAPE PLANS FOR HARDSCAPE SCORING
2. SEE LANDSCAPE PLANS FOR CONCRETE SIDEWALK DETAIL

SEAL

STATE OF MARYLAND — RYAN J. PIKE — 51066 — PROFESSIONAL ENGINEER

DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
ATTN: RYAN PIKE
PHONE: (443) 270-2485
EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1"=30'
PROFILE SCALE: N/A
N/A

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PAVING PLAN

NEW BUILDING DESIGN

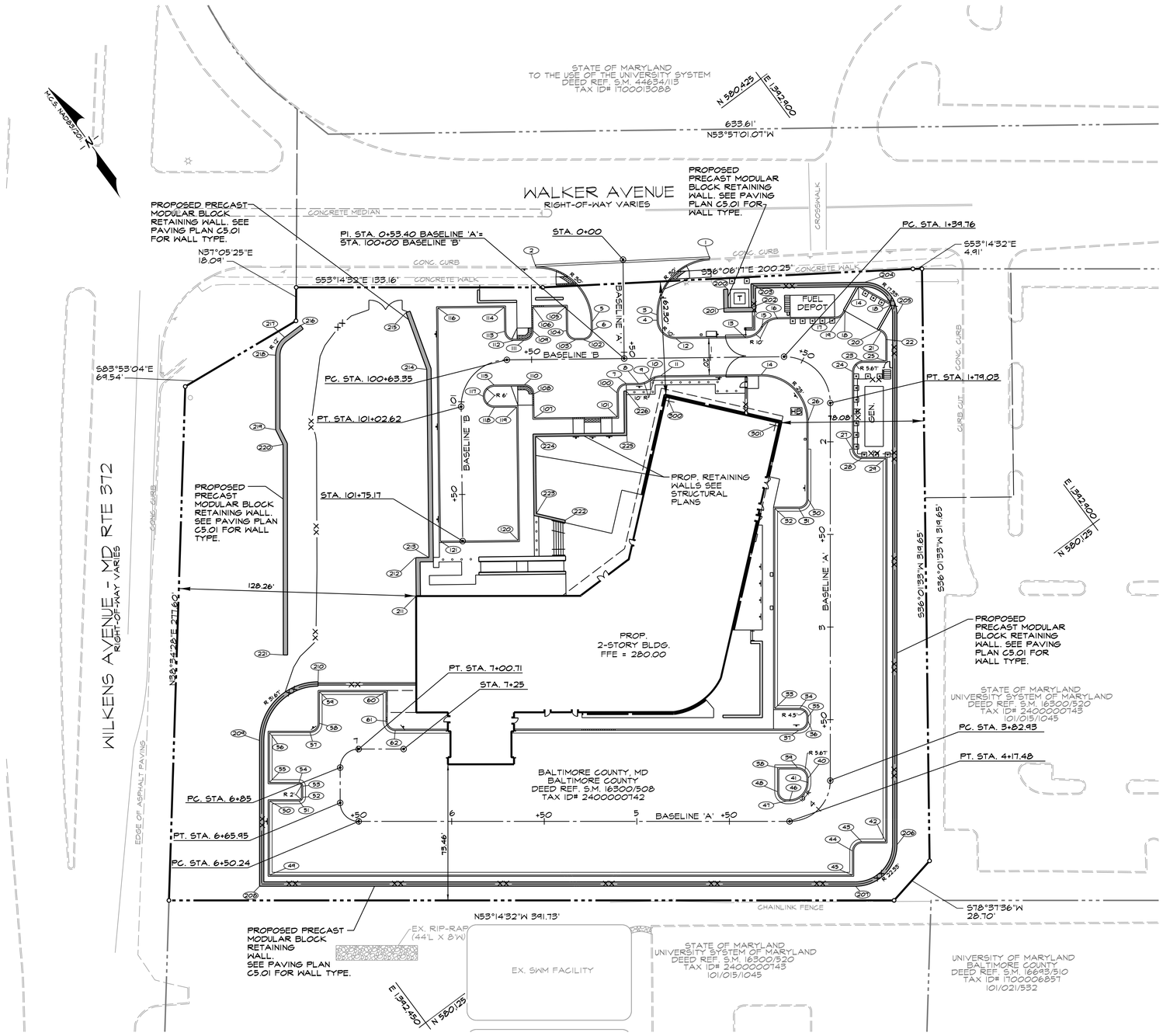
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C5.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 19 OF 302	
DRAWING NUMBER	2024 - 1332
FILE NO.: 8	

DWG. FILENAME:



GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

GEOMETRY PLAN
SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. CURB AND GUTTER
- EX. FENCE
- EX. SIGN
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. BASELINE
- (1) DENOTES POINT NUMBER

NOTE:
ALL CURB RADII TO BE 5'R UNLESS OTHERWISE SPECIFIED

BASELINE DATA

STA.	NORTHING	EASTING	BEARING/ RADIUS	DISTANCE/ ARC LENGTH	CHORD
BASELINE 'A'					
0+00	580,391.29	1,392,781.95			
			S36°06'09.47"W	53.40'	
0+53.40	580,348.14	1,392,750.48			
			N53°53'50.53"W	86.36'	
1+39.76	580,297.26	1,392,820.26			
			25'	39.27'	S08°14'31.74"E 35.36'
1+79.03	580,262.27	1,392,825.33			
			S36°45'28.26"W	203.90'	
3+82.93	580,098.91	1,392,703.31			
			22'	34.56'	S81°45'28.26"W 31.11'
4+17.48	580,094.45	1,392,672.51			
			N53°14'31.74"W	232.76'	
6+50.24	580,233.74	1,392,486.04			
			10'	15.71'	S08°14'31.76"E 14.14'
6+65.95	580,247.74	1,392,484.01			
			S36°45'28.26"W	19.05'	
6+85	580,263.00	1,392,495.41			
			10'	15.71'	N81°45'28.28"E 14.14'
7+00.71	580,265.03	1,392,509.41			
			N53°14'31.74"W	24.29'	
7+25	580,250.50	1,392,528.87			
BASELINE 'B'					
100+00	580,348.14	1,392,750.48			
			N53°53'50.53"W	63.35'	
100+63.35	580,385.47	1,392,699.30			
			25'	39.27'	S81°06'9.47"W 35.36'
101+02.62	580,380.00	1,392,664.37			
			S36°06'09.47"W	72.55'	
101+75.17	580,321.39	1,392,621.62			

POINT DATA BASELINE 'B'

POINT NO.	STATION / NORTH	OFFSET / EAST
100	0+04.03	18.55 LT.
101	0+04.03	31.55 LT.
102	0+22.00	10.45 RT.
103	0+26.03	10.45 RT.
104	0+31.03	15.45 RT.
105	0+31.03	28.45 RT.
106	0+44.03	28.45 RT.
107	0+44.03	31.55 LT.
108	0+44.03	18.55 LT.
109	0+44.03	15.45 RT.
110	0+54.03	10.45 RT.
111	0+54.03	10.45 RT.
112	0+54.36	10.45 RT.
113	0+64.36	15.45 RT.
114	0+64.36	28.45 RT.
115	0+77.08	11.58 LT.
116	0+78.49	40.01 RT.
117	0+92.70	10.90 LT.
118	1+03.17	18.00 LT.
119	1+03.17	30.00 LT.
120	1+75.17	30.00 LT.
121	1+75.17	11.97 RT.

NOTE:
ALL STATION OFFSETS SHOWN ARE FROM FACE OF CURB

POINT DATA BUILDING COLUMN POINTS

POINT NO.	COLUMN LINE INTERSECTIONS	STATION / NORTH	OFFSET / EAST
300	AA & 16	580,315.41	1,392,756.04
301	EE & 16	580,270.38	1,392,794.26

NOTE:
REFER TO STRUCTURAL & ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION

POINT DATA RETAINING WALLS

POINT NO.	STATION / NORTH	OFFSET / EAST
200	580,344.55	1,392,817.78
201	580,356.47	1,392,811.89
202	580,329.11	1,392,821.99
203	580,339.50	1,392,829.57
204	580,303.38	1,392,879.10
205	580,279.00	1,392,882.77
206	580,044.59	1,392,711.41
207	580,045.06	1,392,680.15
208	580,231.76	1,392,422.17
209	580,300.79	1,392,469.24
210	580,301.21	1,392,513.56
211	580,312.64	1,392,583.71
212	580,329.58	1,392,595.67
213	580,325.17	1,392,601.72
214	580,407.25	1,392,661.54
215	580,458.52	1,392,670.90
216	580,467.05	1,392,621.15
217	580,467.06	1,392,610.37
218	580,462.24	1,392,600.75
219	580,429.98	1,392,576.65
220	580,421.24	1,392,575.08
221	580,330.09	1,392,507.19
222	580,297.28	1,392,672.72
223	580,309.44	1,392,662.41
224	580,343.07	1,392,686.93
225	580,314.00	1,392,726.79
226	580,333.39	1,392,740.93

POINT DATA BASELINE 'A'

POINT NO.	STATION / NORTH	OFFSET / EAST
1	0+00	46.90 LT.
2	0+03.26	47.17 RT.
3	0+29.98	18.00 LT.
4	0+32.95	18.00 RT.
5	0+33.26	17.00 RT.
6	0+37.95	17.00 RT.
7	0+54.38	13.55 RT.
8	0+60.98	13.55 RT.
9	0+66.82	11.66 RT.
10	0+67.14	11.43 RT.
11	0+72.98	9.55 RT.
12	0+81.40	10.45 LT.
13	1+19.24	10.45 LT.
14	1+27.36	9.55 RT.
15	1+27.90	15.45 LT.
16	1+36.56	20.45 LT.
17	1+53.43	28.59 LT.
18	1+54.40	34.57 LT.
19	1+54.44	33.05 LT.
20	1+62.65	39.60 LT.
21	1+63.15	40.17 LT.
22	1+65.09	39.83 LT.
23	1+66.83	23.30 LT.
24	1+68.27	15.71 LT.
25	1+69.27	34.49 LT.
26	1+88.72	12.00 RT.
27	2+03.93	12.00 LT.
28	2+08.93	17.00 LT.
29	2+08.93	30.00 LT.
30	2+30.93	12.00 RT.
31	2+35.93	17.00 RT.
32	2+35.93	30.00 RT.
33	3+43.93	30.00 RT.
34	3+43.93	16.50 RT.
35	3+48.43	12.00 RT.
36	3+50.76	12.00 RT.
37	3+55.76	17.00 RT.
38	3+75.93	28.51 RT.
39	3+75.93	17.67 RT.
40	3+81.59	12.00 RT.
41	3+83.93	11.95 RT.
42	3+95.37	39.59 LT.
43	3+98.38	29.09 LT.
44	4+01.43	28.99 LT.
45	4+04.55	39.29 LT.
46	4+17.48	11.00 RT.
47	4+19.00	11.00 RT.
48	4+24.00	16.00 RT.
49	6+59.15	52.04 LT.
50	6+66.95	38.24 LT.
51	6+66.95	22.24 LT.
52	6+68.95	20.24 LT.
53	6+74.95	20.24 LT.
54	6+76.95	22.24 LT.
55	6+76.95	38.24 LT.
56	6+88.75	41.83 LT.
57	6+91.26	22.37 LT.
58	6+93.46	22.01 LT.
59	6+95.93	36.13 LT.
60	7+15.47	30.94 LT.
61	7+15.47	15.06 LT.
62	7+20.47	10.06 LT.

NOTE:
ALL STATION OFFSETS SHOWN ARE FROM FACE OF CURB

DWG. FILENAME:

SEAL
STATE OF MARYLAND · RYAN J. PIRI · 51066 · PROFESSIONAL ENGINEER
DATE: 6/19/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027
ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIRI, PE, PHONE: 410-220-2681, EMAIL: RPIRI@MKENG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W. NO.
CONTRACT COMPLETION BOX			

KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20
DRAWING SCALE: PLAN SCALE: 1"=30'; PROFILE SCALE: N/A; N/A

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

GEOMETRY PLAN

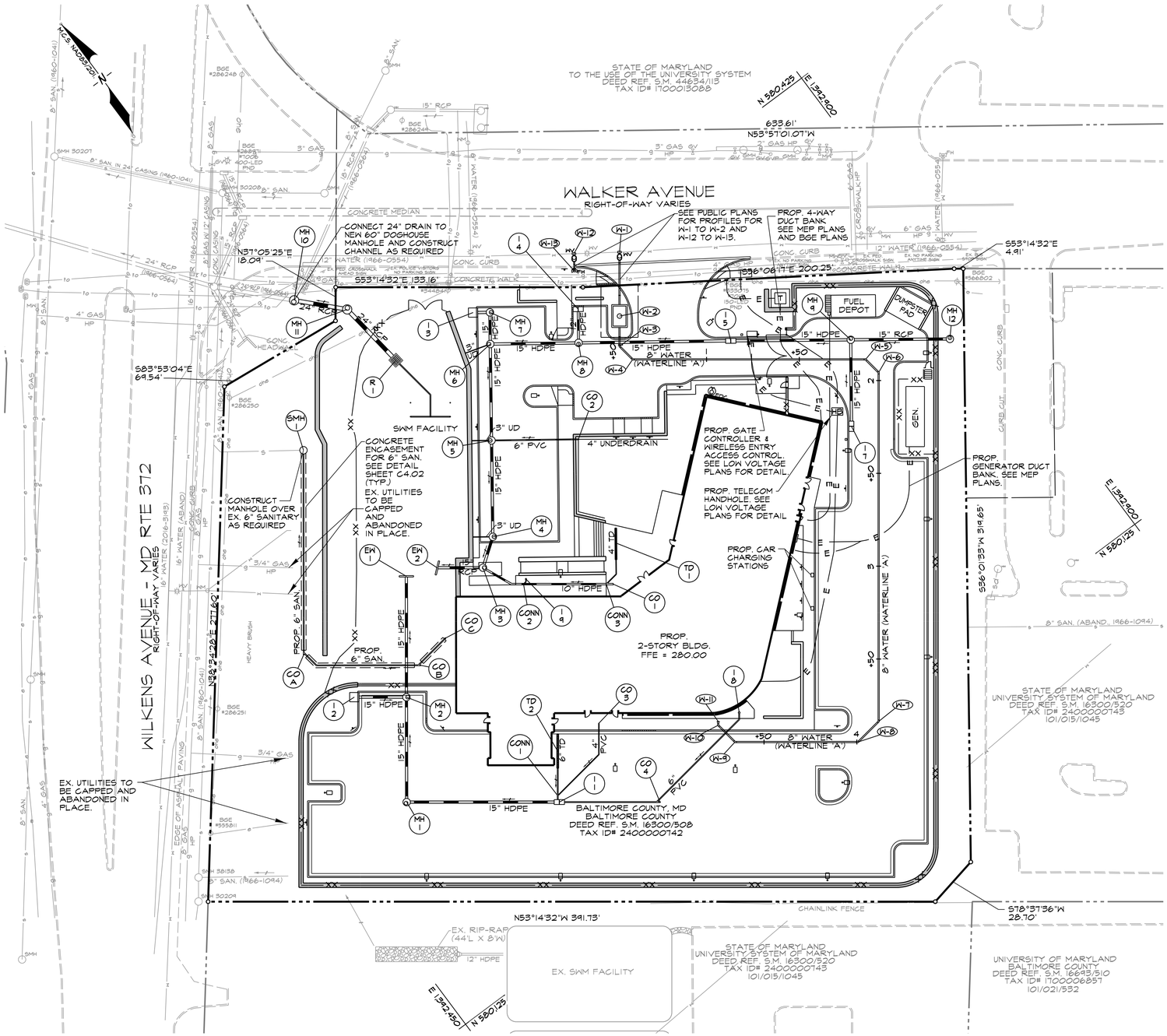
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C6.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 20 OF 302	DRAWING NUMBER 2024 - 1333
FILE NO.: 8	



UTILITY PLAN

SCALE: 1" = 30'

LEGEND

PROPERTY LINE	PROP. 4" SAN. — PROP. SANITARY SEWER
ADJACENT PROPERTY LINE	8" WATER — PROP. WATER LINE
EASEMENT LINE	PROP. 15" HDPE — PROP. STORM DRAIN LINE
EX. CURB AND GUTTER	PROP. INLET
EX. GAS MAIN	PROP. MANHOLE
EX. FIBER OPTIC / COMMUNICATION	PROP. ELEC. TRANSFORMER SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
EX. OVERHEAD ELECTRIC	PROP. ELEC. GENERATOR SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
EX. ELECTRIC	PROP. ELEC. HANDBOX SEE LOW VOLTAGE PLANS FOR ADDITIONAL INFORMATION
EX. SANITARY SEWER	PROP. UTILITY EASEMENT SEE PUBLIC PLANS FOR ADDITIONAL INFORMATION
EX. STORM DRAIN	PROP. CONCRETE ENCAGEMENT SEE DETAIL SHEET C4.02
EX. WATER	PROP. LIGHT POST. SEE ELECTRICAL PLANS FOR DETAILS
EX. FENCE	
EX. WATER METER	
EX. WATER VALVE	
EX. FIRE HYDRANT	
EX. SANITARY MANHOLE	
EX. STORM DRAIN MANHOLE	
EX. CLEANOUT	
EX. GAS VALVE	
EX. SIGN	
EX. LIGHT POLE	
EX. TREE / BUSH	
PROP. CONCRETE CURB & GUTTER	
PROP. FENCE LINE	
PROP. RETAINING WALL	
PROP. CONCRETE WALK	
PROP. ELECTRIC SERVICE	

STORM DRAIN STRUCTURE SCHEDULE

NO.	DESCRIPTION	REMARKS	NORTHING	EASTING
MH-1	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,239.84	1,342,496.18
MH-2	48" PRECAST DROP MANHOLE	SEE BALT. CO. STD D-3.09A	580,285.22	1,342,529.91
MH-3	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,316.42	1,342,604.69
MH-4	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,326.59	1,342,618.89
MH-5	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,368.58	1,342,649.40
MH-6	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,410.60	1,342,679.93
MH-7	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,424.34	1,342,690.00
MH-8	48" PRECAST MANHOLE TYPE 'A'	SEE BALT. CO. STD D-3.01	580,382.63	1,342,718.43
MH-9	48" PRECAST MANHOLE TYPE 'B'	SEE BALT. CO. STD D-3.01	580,296.23	1,342,836.89
MH-10	60" PRECAST MANHOLE "DOGHOUSE"	SEE BALT. CO. STD D-3.07	580,442.64	1,342,604.37
MH-11	60" PRECAST MANHOLE TYPE 'C'	SEE BALT. CO. STD D-3.02	580,471.67	1,342,624.33
MH-12	48" PRECAST MANHOLE TYPE 'A' W/ NEENAH R-2561 DOME	SEE BALT. CO. STD D-3.01	580,264.63	1,342,879.45
R-1	4'X4' RISER	SEE DETAIL SHEET C9.08	580,434.04	1,342,633.97
I-1	TYPE 'E' INLET	SEE BALT. CO. STD D-2.06	580,190.65	1,342,562.06
I-2	TYPE 'A-2' INLET	SEE BALT. CO. STD D-2.01B	580,302.03	1,342,507.41
I-3	TYPE 'A-2' INLET	SEE BALT. CO. STD D-2.01B	580,429.72	1,342,682.67
I-4	TYPE 'E' INLET	SEE BALT. CO. STD D-2.06	580,341.52	1,342,729.10
I-5	TYPE 'E' INLET	SEE BALT. CO. STD D-2.06	580,334.45	1,342,784.77
I-6	STRUCTURE OMITTED			
I-7	TYPE 'E' INLET	SEE BALT. CO. STD D-2.06	580,258.68	1,342,809.31
I-8	12" NYLOPLAST DRAIN BASIN W/ DOMED BEEHIVE GRATE	SEE DETAIL SHEET C9.10	580,171.27	1,342,668.56
I-9	8" NYLOPLAST DRAIN BASIN W/ DOMED BEEHIVE GRATE	SEE DETAIL SHEET C9.10	580,247.69	1,342,619.60
EW-1	TYPE 'C' ENDWALL	SEE BALT. CO. STD D-1.06	580,337.37	1,342,568.84
EW-2	TYPE 'C' ENDWALL	SEE BALT. CO. STD D-1.06	580,331.02	1,342,584.94
CO-1	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,267.34	1,342,655.58
CO-2	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,341.07	1,342,687.28
CO-3	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,211.92	1,342,604.59
CO-4	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,158.19	1,342,605.52
TD-1	ACO K-100-KLASSIKDRAIN 4" CHANNEL SYSTEM	SEE DETAIL SHEET C9.11	580,284.24	1,342,670.00
TD-2	XL HEAVY TRAFFIC 6" TRENCH DRAIN W/ STANDARD GRATE	SEE DETAIL SHEET C9.11	580,213.07	1,342,577.76

SANITARY STRUCTURE SCHEDULE

NO.	DESCRIPTION	REMARKS	COORDINATES	
			NORTHING	EASTING
SMH-1	48" PRECAST SANITARY MANHOLE "DOGHOUSE"	SEE BALT. CO. STD S-15	580,424.98	1,342,565.08
CO-A	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,336.71	1,342,499.34
CO-B	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,244.54	1,342,546.17
CO-C	STANDARD CLEANOUT	SEE DETAIL SHEET C9.07	580,248.11	1,342,565.71

WATER STRUCTURE SCHEDULE

WATER LINE	NO.	STA.	DESCRIPTION	REMARKS	COORDINATES	
					NORTHING	EASTING
A	W-1	0+00	12"X8" TAPPING SLEEVE VALVE & VAULT	BC. STD. 834.02	580,408.54	1,342,765.38
	W-2	0+34.43	8" FM METER VALVE & VAULT	BC. STD. 841.01	580,380.99	1,342,744.76
	W-3	0+50.70	8" 1/8 (45°) HORIZ. BEND		580,367.96	1,342,735.03
	W-4	0+60.70	8" 1/8 (45°) HORIZ. BEND		580,358.06	1,342,736.46
	W-5	1+86.15	8" 1/8 (45°) HORIZ. BEND		580,282.88	1,342,836.97
	W-6	1+98.15	8" 1/8 (45°) HORIZ. BEND		580,273.09	1,342,838.40
	W-7	3+84.12	8" 1/8 (45°) HORIZ. BEND		580,122.50	1,342,725.92
	W-8	3+99.80	8" 1/8 (45°) HORIZ. BEND		580,120.25	1,342,710.40
	W-9	4+66.11	8" 1/8 (45°) HORIZ. BEND		580,159.93	1,342,657.27
	W-10	4+78.91	8" 1/8 (45°) HORIZ. BEND		580,172.60	1,342,655.44
	W-11	4+80.91	TEMP 8" CAP		580,174.20	1,342,656.64
B	W-12	0+00	12"X6" TAPPING SLEEVE VALVE & VAULT	BC. STD. 833.01	580,422.62	1,342,745.18
	W-13	0+09.32	6" FIRE HYDRANT	BC. STD. 833.01	580,415.00	1,342,739.80

NOTE:
ALL COORDINATES ARE MEASURED FROM CENTER OF STRUCTURE.

NOTES:
1. SEE SHEET C1.00 FOR GENERAL AND UTILITY NOTES
2. FOR WORK IN WALKER AVENUE SEE PUBLIC DRAWINGS SHEETS 2024-2098 THROUGH 2024-2201
3. REFER TO EROSION & SEDIMENT CONTROL PLANS FOR PHASING OF DEMOLITION, UTILITIES, ETC.

SEAL: STATE OF MARYLAND — RYAN J. PIER — 51066 — PROFESSIONAL ENGINEER
DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIER, PE, PHONE: 410-210-2681, EMAIL: RPIER@MKENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.

CONTRACT COMPLETION BOX | R.O.W. NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 1"=30'; PROFILE SCALE: N/A

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

UTILITY PLAN

NEW BUILDING DESIGN

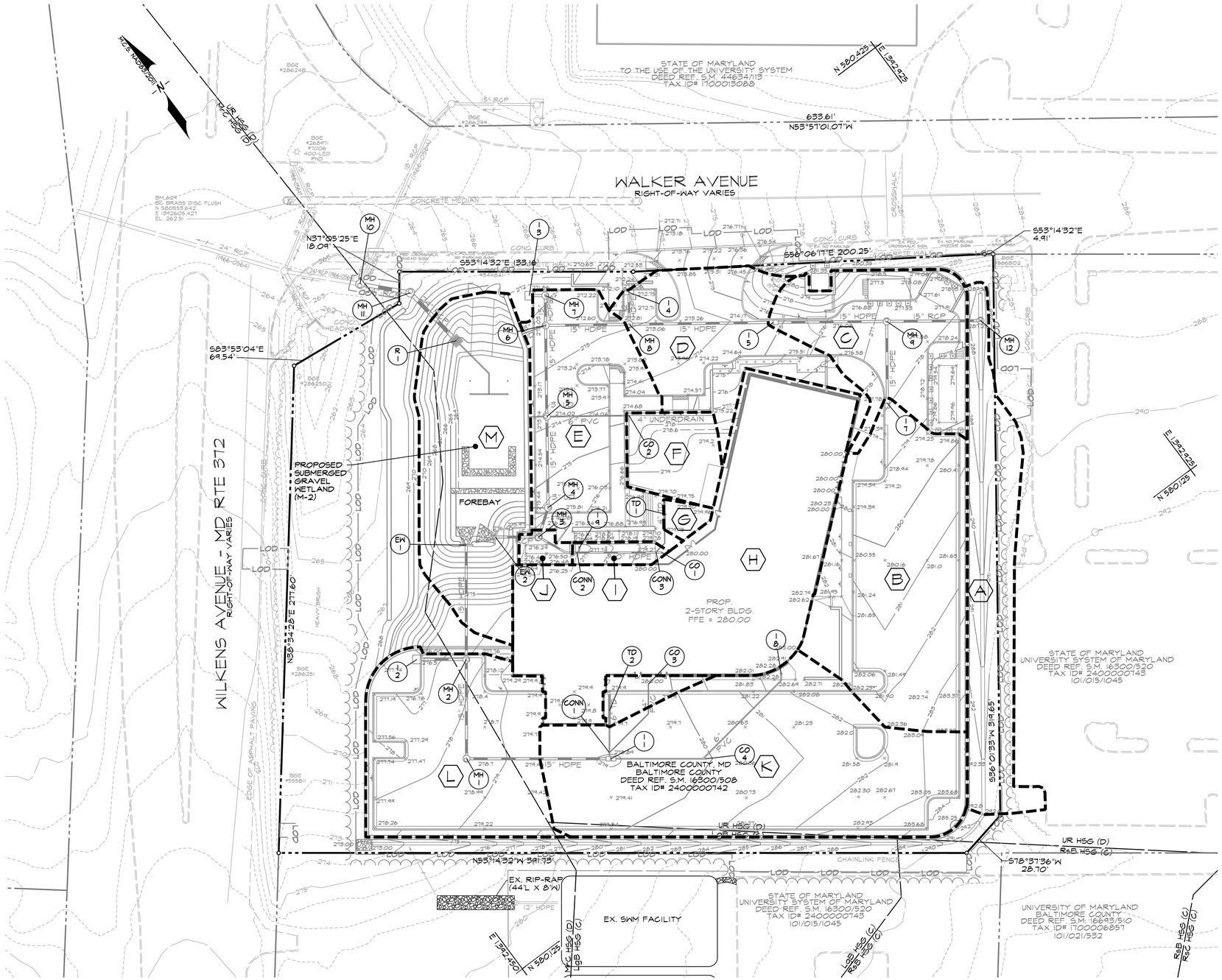
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C7.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 21 OF 302	
DRAWING NUMBER	2024 - 1334
FILE NO.: 8	

DWG. FILENAME:



LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- EX. STORM DRAIN
- EX. FENCE
- EX. WOODS LINE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- SOILS BOUNDARY (34UB HSG (D) / 33UC HSG (B))
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- PROP. STORM DRAIN
- PROP. MANHOLE
- PROP. INLET
- PROP. WOODS LINE
- LIMIT OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- DRAINAGE AREA LABEL

DA #	AREA (AC.)	'C' FACTOR
A	0.17	0.34
B	0.30	0.80
C	0.17	0.70
D	0.16	0.71
E	0.20	0.84
F	0.06	0.44
G	0.01	0.86
H	0.44	0.86
I	0.01	0.82
J	0.01	0.55
K	0.45	0.82
L	0.24	0.81
M	0.25	0.43

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
LgB	LEGORE-MONTALTO-URBAN LAND COMPLEX	0-8%	NO	NOT RATED	C
MrC*	MOUNT LUCAS SILT LOAM	8-15%	NO	0.37	C/D
Ur	URBAN LAND	0-8%	NO	NOT RATED	D
RsB	RUSSETT FINE SANDY LOAM	2-5%	NO	0.28	C

*HIGHLY ERODIBLE SOIL

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

STORM DRAIN DRAINAGE AREA MAP
SCALE: 1" = 30'

DWG. FILENAME:

SEAL: STATE OF MARYLAND · RYAN J PIKE · 21066 · PROFESSIONAL ENGINEER
DATE: 6/19/25

PROFESSIONAL CERTIFICATION

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ENGINEER: MK CONSULTING ENGINEERS, LLC
1 N. CHARLES STREET, SUITE 401
BALTIMORE, MD 21201
RYAN PIKE, PE
PHONE: 667-210-2485
EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
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AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1"=30'
PROFILE SCALE:	N/A
	N/A

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

STORM DRAIN DRAINAGE AREA MAP

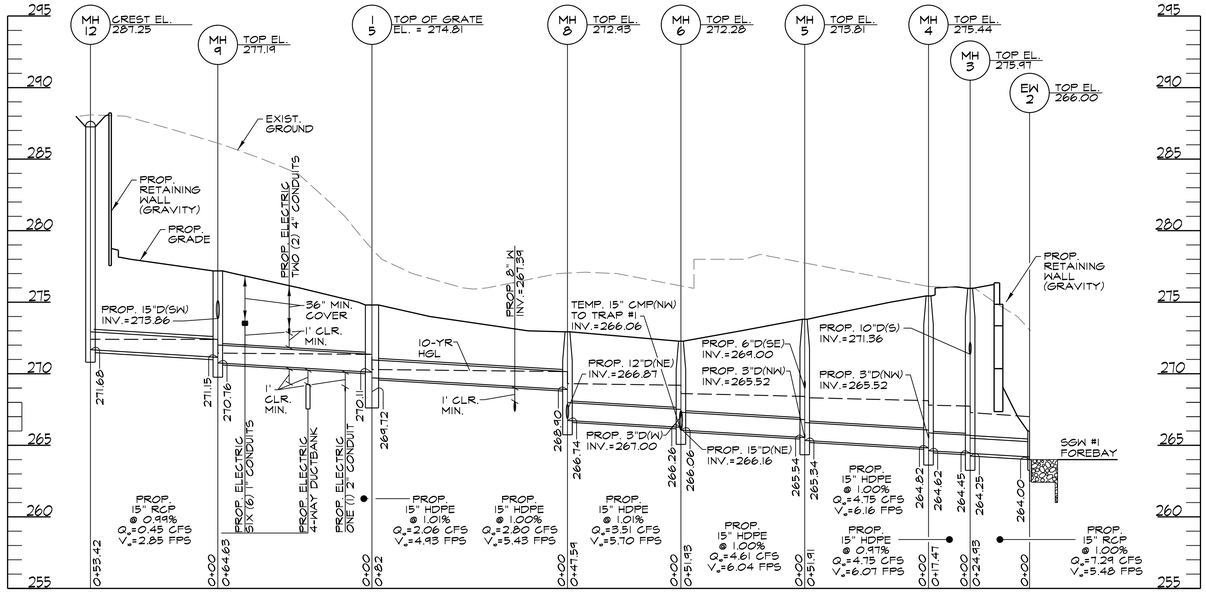
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

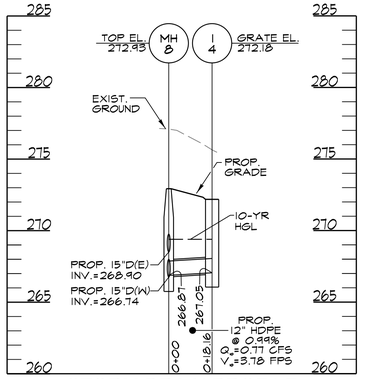
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C7.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 22 OF 302	
DRAWING NUMBER	2024 - 1335
FILE NO. 8	



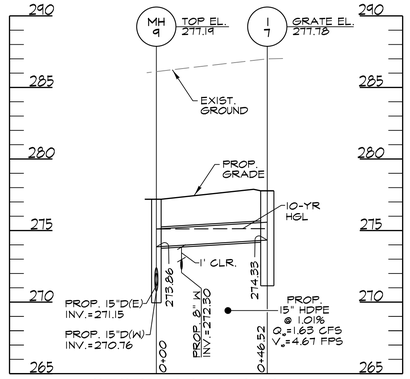
STORM DRAIN PROFILE (MH-12 TO EW-2)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



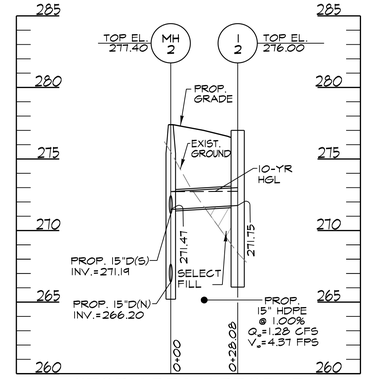
STORM DRAIN PROFILE (I-4 TO MH-8)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



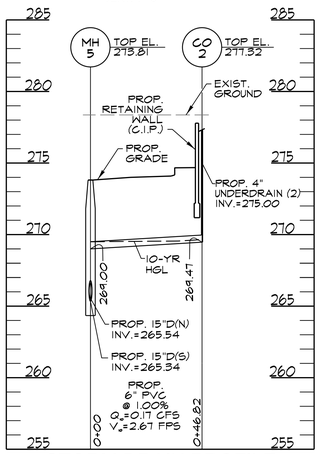
STORM DRAIN PROFILE (I-7 TO MH-9)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



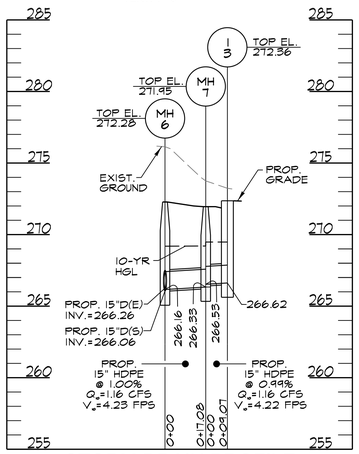
STORM DRAIN PROFILE (I-2 TO MH-2)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



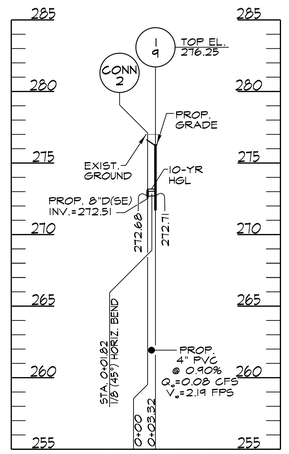
STORM DRAIN PROFILE (CO-2 TO MH-5)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



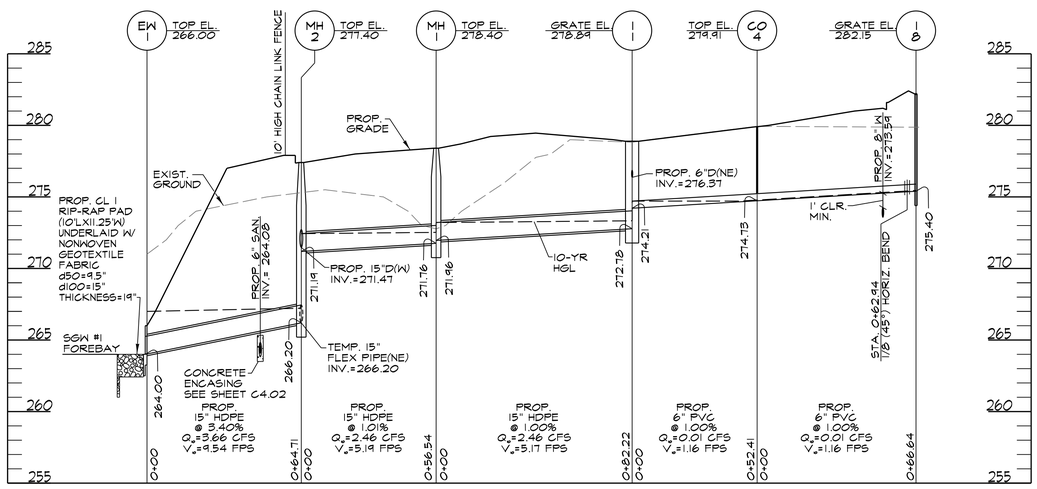
STORM DRAIN PROFILE (I-3 TO MH-6)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE (I-9 TO CONN-2)

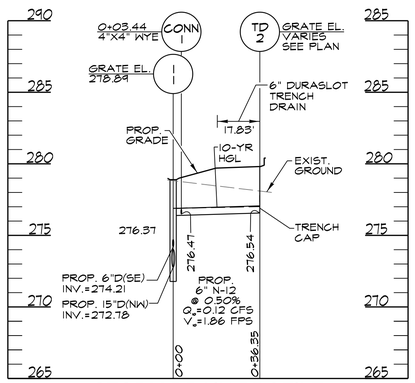
SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE (I-8 TO EW-1)

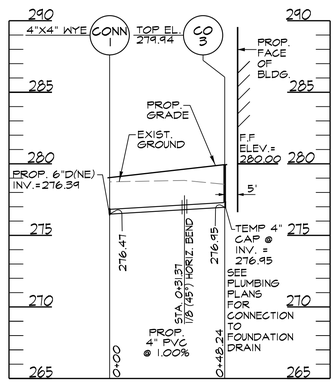
SCALE: HORIZ. 1" = 30'
VERT. 1"=5'

NOTE: SEE SHEET C9.06 FOR PROFILE FROM R-1 TO MH-10



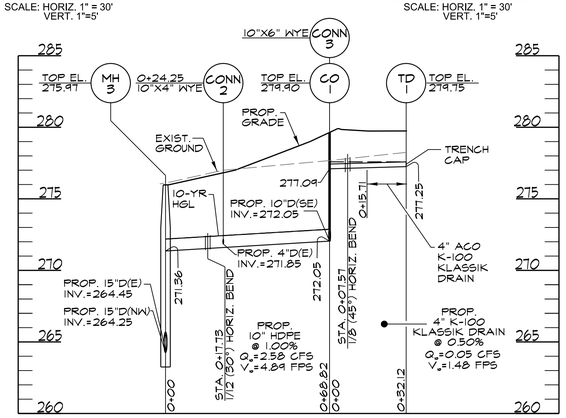
STORM DRAIN PROFILE (TD-2 TO I-1)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE (CO-3 TO CONN-1)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE (TD-1 TO MH-3)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J. PIKE — 31068 — PROFESSIONAL ENGINEER

DATE: 6/19/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC
1901 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PIKE, PE
PHONE: 667-210-2485
EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

	DGN BY:	RJP
	DWN BY:	RJP/SJG
	CHKD BY:	RJP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20
CONTRACT COMPLETION BOX					

DRAWING SCALE	
PLAN SCALE:	N/A
PROFILE SCALE:	1"=30' 1"=5'

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

STORM DRAIN PROFILES

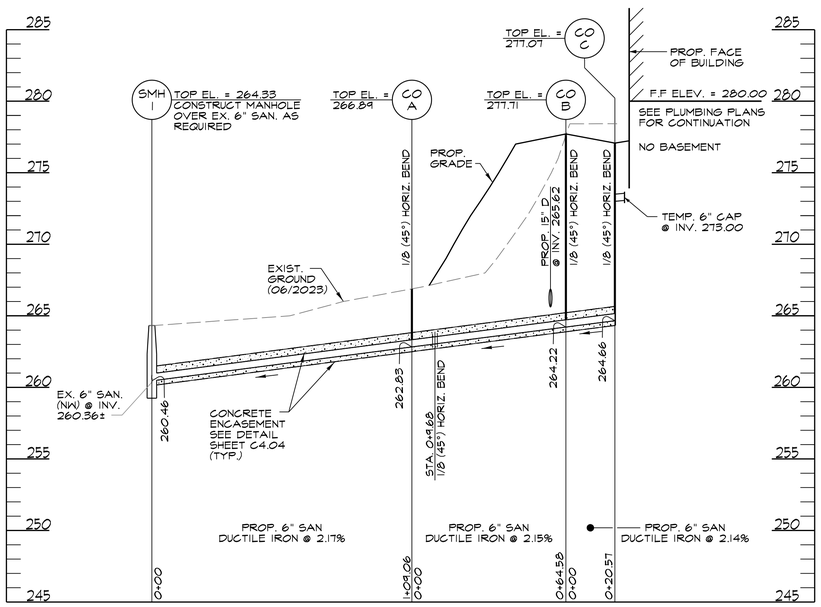
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

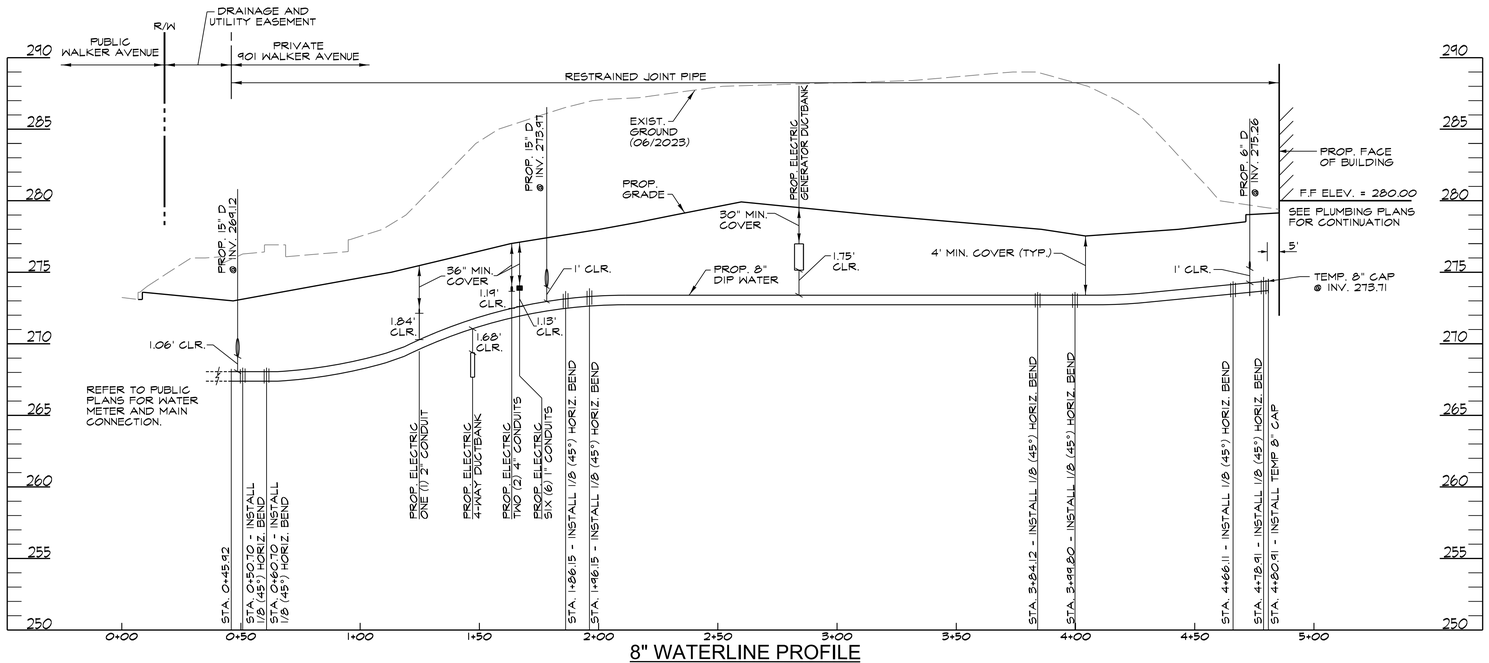
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C7.02	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 23 OF 302
	DRAWING NUMBER
	2024 - 1336
	FILE NO.: 8



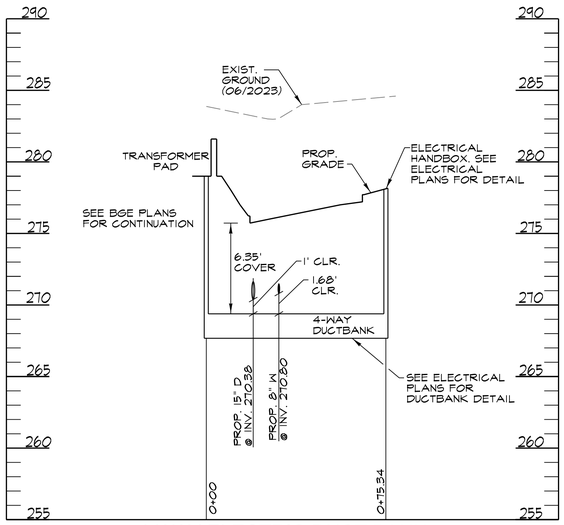
SANITARY SEWER PROFILE (SMH-1 TO BLDG)

SCALE: HORIZ. 1" = 30'
VERT. 1" = 5'



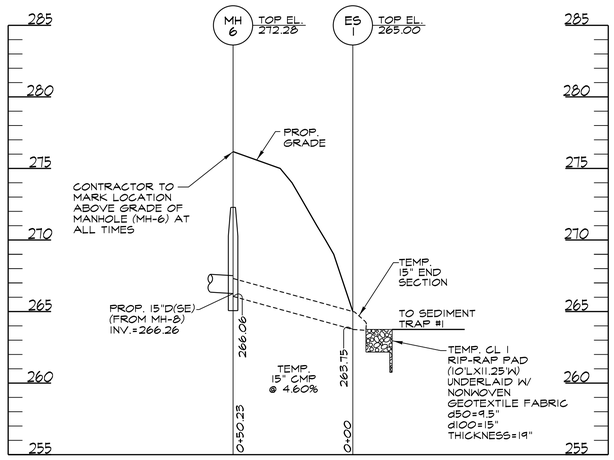
8" WATERLINE PROFILE (STA. 0+37.92 TO STA. 4+80.92)

SCALE: HORIZ. 1" = 30'
VERT. 1" = 5'



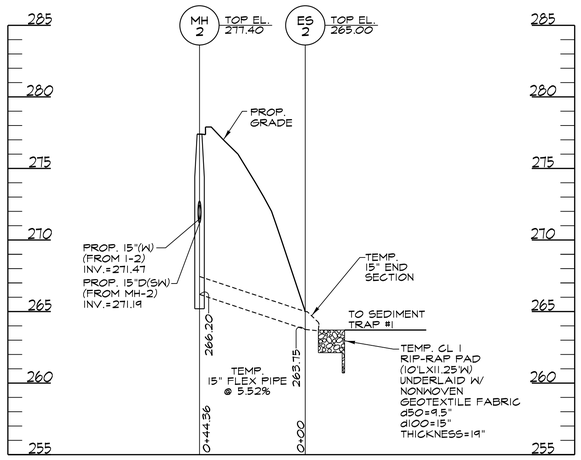
4-WAY ELECTRIC DUCT BANK

SCALE: HORIZ. 1" = 30'
VERT. 1" = 5'



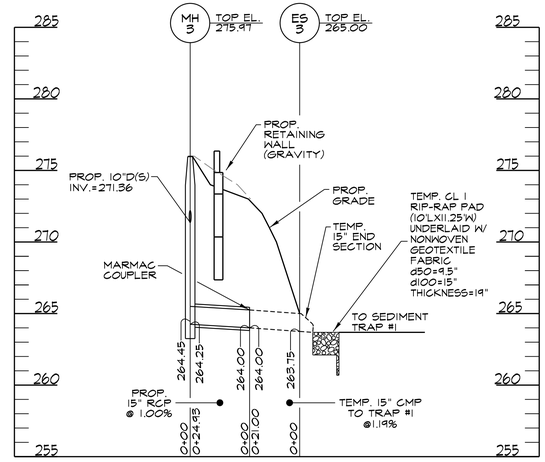
STORM DRAIN PROFILE TEMPORARY 15" CMP (MH-6 TO ES-1)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE TEMPORARY 15" CMP (MH-2 TO ES-2)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'



STORM DRAIN PROFILE TEMPORARY 15" CMP (MH-3 TO ES-3)

SCALE: HORIZ. 1" = 30'
VERT. 1"=5'

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RYAN J PIRO — 51066 — PROFESSIONAL ENGINEER

DATE: 6/14/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2027

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIRO, PE, 717-495-2485, EMAIL: RPIRO@MKCLENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION

BY	DATE	

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: N.A.
PROFILE SCALE: 1"=30' / 1"=5'

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

UTILITY PROFILES

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

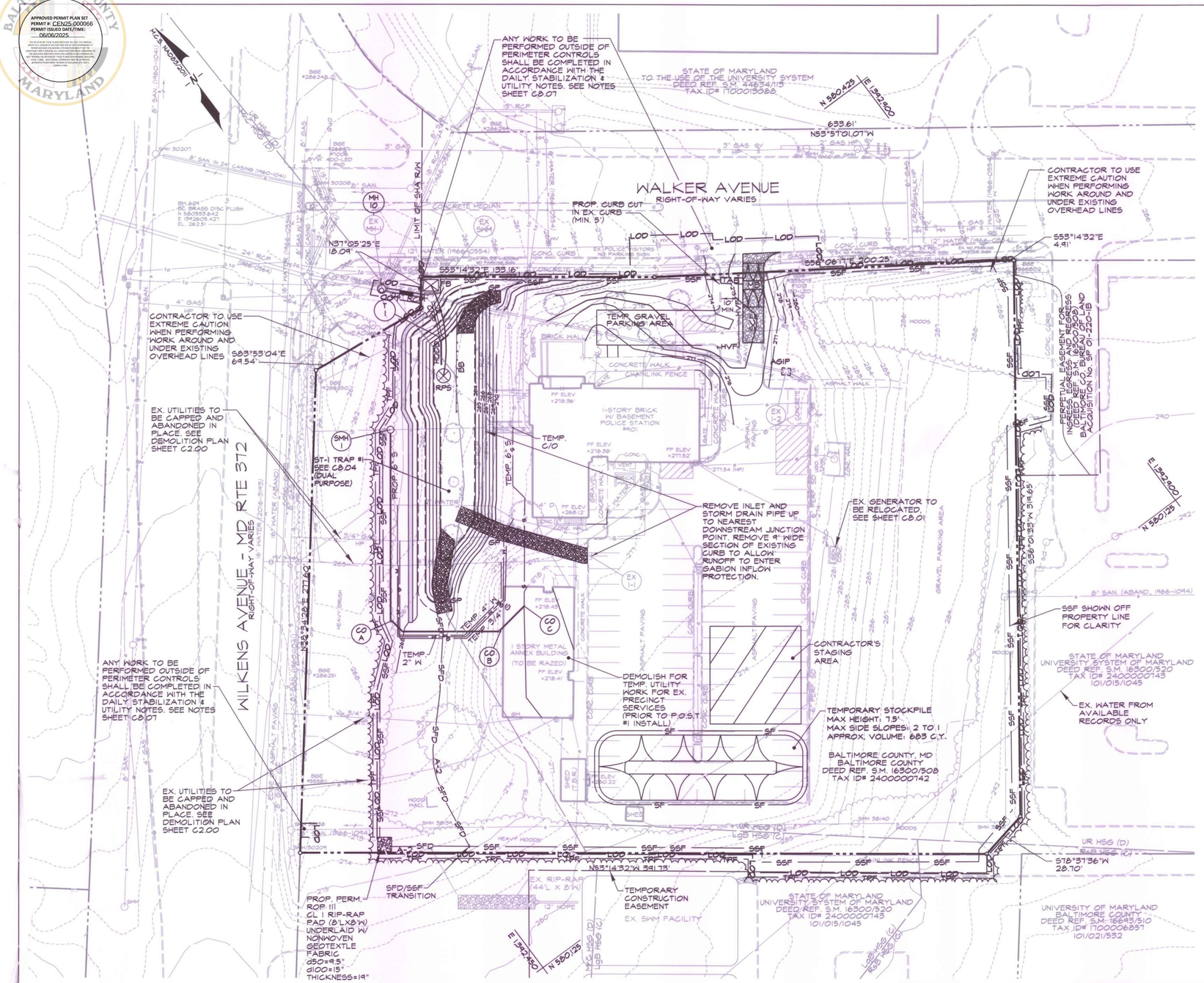
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
C7.03	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 24 OF 302	
DRAWING NUMBER	2024 - 1337
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME:
06/06/2025
THE ISSUE OF THIS PLANS DOES NOT RELEASE THE OWNER, DEVELOPER, CONTRACTOR OR ENGINEER FROM COMPLYING WITH ANY AND ALL FEDERAL, STATE AND BALTIMORE COUNTY LAWS, CODES, REGULATIONS AND ORDINANCES WHICH MAY GOVERN THE WORK. THE APPROVAL OF THESE PLANS DOES NOT AUTHORIZE ANY VIOLATION OF ANY SUCH LAWS, CODES, REGULATIONS OR ORDINANCES. ANY CHANGES, ADDITIONS, OR DEVIATIONS FROM THE APPROVED PLANS MUST BE KNOWN BY BUILDING DEPARTMENT OFFICIALS PRIOR TO CONSTRUCTION.

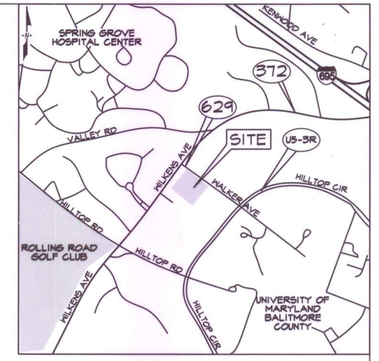


LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- to EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- ctv EX. CABLE TV
- 8" SAN EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- x x x EX. FENCE
- EX. WOODS LINE
- WM EX. WATER METER
- WV EX. WATER VALVE
- FH EX. FIRE HYDRANT
- SMH EX. SANITARY MANHOLE
- MH EX. STORM DRAIN MANHOLE
- CO EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- UR HSG (D) / RsB HSG (C) SOILS BOUNDARY LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE / LIMITS OF CLEARING
- SFD A-2 SUPER FENCE DIVERSION
- SSF SUPER SILT FENCE
- TPF TREE PROTECTION FENCE
- SF SILT FENCE
- GP GABION INFLOW PROTECTION
- SCE STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
- AGIP AT-GRADE INLET PROTECTION
- 130 PROP. INDEX CONTOUR
- 128 PROP. INTERMEDIATE CONTOUR
- 15" HDPE PROP. STORM DRAIN
- PROP. INLET
- PROP. MANHOLE
- FB FILTER BAG
- RPS REMOVABLE PUMPING STATION
- HDDD HORIZONTAL DRAW-DOWN DEVICE
- W W TEMPORARY WATER
- G G TEMPORARY GAS
- S S TEMPORARY SANITARY
- PROP. 6" S PROP. SANITARY PIPE
- BB BAFFLE BOARDS
- PR. RETAINING WALL
- HVF HVF HIGH VISIBILITY FENCE
- TAB TEMPORARY ASPHALT BERM
- TEMPORARY CONSTRUCTION EASEMENT

NOTES:
1. FOR EROSION & SEDIMENT CONTROL NOTES SEE SHEETS C8.06 & C8.07
2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET C8.07
3. SEE SHEET C8.04 FOR SWM CONVERSION GRADING
4. SEE SHEET C3.00 FOR CROSS-REFERENCE OF PROPOSED GRADING (FINAL)
5. CONTRACTOR TO LOCATE CONCRETE WASHOUT STRUCTURE IN THE FIELD.
6. SEE SHEET C3.05 FOR TEMPORARY GRAVEL PARKING AREA DETAIL

NOTE:
ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF DETERMINING PERMITTING REQUIREMENTS. SINCE FINAL EARTHWORK QUANTITIES ARE BASED ON MANY VARIABLE CONDITIONS, OVER WHICH MK CONSULTING ENGINEERS, LLC. HAS NO CONTROL, INCLUDING VARIABILITY OF SOILS, ALLOWABLE SURVEY AND CONSTRUCTION TOLERANCES AND COMPACTION RATIOS. MK CONSULTING ENGINEERS, LLC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE ESTIMATES FOR FINAL CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THEIR OWN ESTIMATES OF THE EARTHWORK QUANTITIES.



VICINITY MAP
SCALE: 1" = 1,000'

CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99991689.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580553.642 E: 1392605.427

ENVIRONMENTAL NOTES

1. WHEN REQUIRED, STRESS REDUCTION TECHNIQUES (ROOT PRUNING WITH A SHARP, CLEAN GUTTING SAW, MATTING TO MINIMIZE SOIL COMPACTION, CROWN REDUCTION) WILL BE PREFORMED TO MINIMIZE TREE IMPACTS. THIS PROJECT MUST ADHERE TO ALL REQUIREMENTS OF THE APPROVED CRITICAL AREA MANAGEMENT PLAN FOR THIS PROJECT.

MAINTENANCE NOTE

CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.

EARTHWORK ANALYSIS

TOTAL LOT/SITE AREA:	3.04 AC. / 132,399.6 +/- S.F.
TOTAL LIMIT OF DISTURBANCE:	SWM: 125,356 S.F. OR 2.88 AC. ESC PHASE 1 EX.: 125,051 S.F. OR 2.87 AC. ESC PHASE 1 FINAL: 125,051 S.F. OR 2.87 AC. ESC PHASE 2 EX.: 49,705 S.F. OR 1.14 AC. ESC PHASE 2 FINAL: 50,721 S.F. OR 1.16 AC.
EARTHWORK:	CUT = 11,827 CY FILL = 7,161 CY CUT / FILL RATIO = 1.6:1 EXCESS CUT OR FILL MATERIAL SHALL BE EITHER DISPOSED OF AT AN OFFSITE LOCATION OR BORROWED FROM AN OFFSITE LOCATION WITH AN APPROVED SEDIMENT CONTROL PLAN & ACTIVE GRADING PERMIT. FILL MATERIAL MAY NOT BE STORED ON-SITE.

SOILS DATA

SYMBOL	HYDROLOGIC CLASSIFICATION	K-FACTOR WHOLE SOIL
LgB	C	NOT RATED
MrC*	C/D	0.37
Ur	D	NOT RATED
RsB	C	0.28

*HIGHLY ERODIBLE SOIL

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL 5-7-25 DATE
Jeffery P. West (DISTRICT OFFICIAL)
052-416B-25 PLAN NO.
TECHNICAL REVIEW FOR THE DISTRICT BY: Stuart Darley
THIS PLAN APPROVAL WILL EXPIRE THREE (3) YEARS FROM THE APPROVAL DATE.

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

PLANS TO BE USED FOR EROSION AND SEDIMENT CONTROL ONLY

EXISTING EROSION & SEDIMENT CONTROL PLAN - PHASE I
SCALE: 1" = 30'

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1); AND b.) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

OWNER/DEVELOPER

BALTIMORE COUNTY
OFFICE OF PROPERTY MANAGEMENT
1200A LONG GREEN PIKE
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: 410-887-4074

DWG. FILENAME:

SEAL: STATE OF MARYLAND RYAN J. PIKE PROFESSIONAL ENGINEER 51066
DATE: 4/4/25

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025					R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1"=30' PROFILE SCALE: N/A N/A	APPROVED BY: PROPERTY MANAGER DATE:
ENGINEER	MK CONSULTING ENGINEERS, LLC 180 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PIKE, PE PHONE: 410-230-2485 EMAIL: RPIKE@MKCENG.COM	CONTRACT COMPLETION BOX							
	DGN BY: RJP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: RJP/SJG	REVIEWED BY:							
BY: DATE:	CHKD BY: RJP	DATE REVIEWED:							

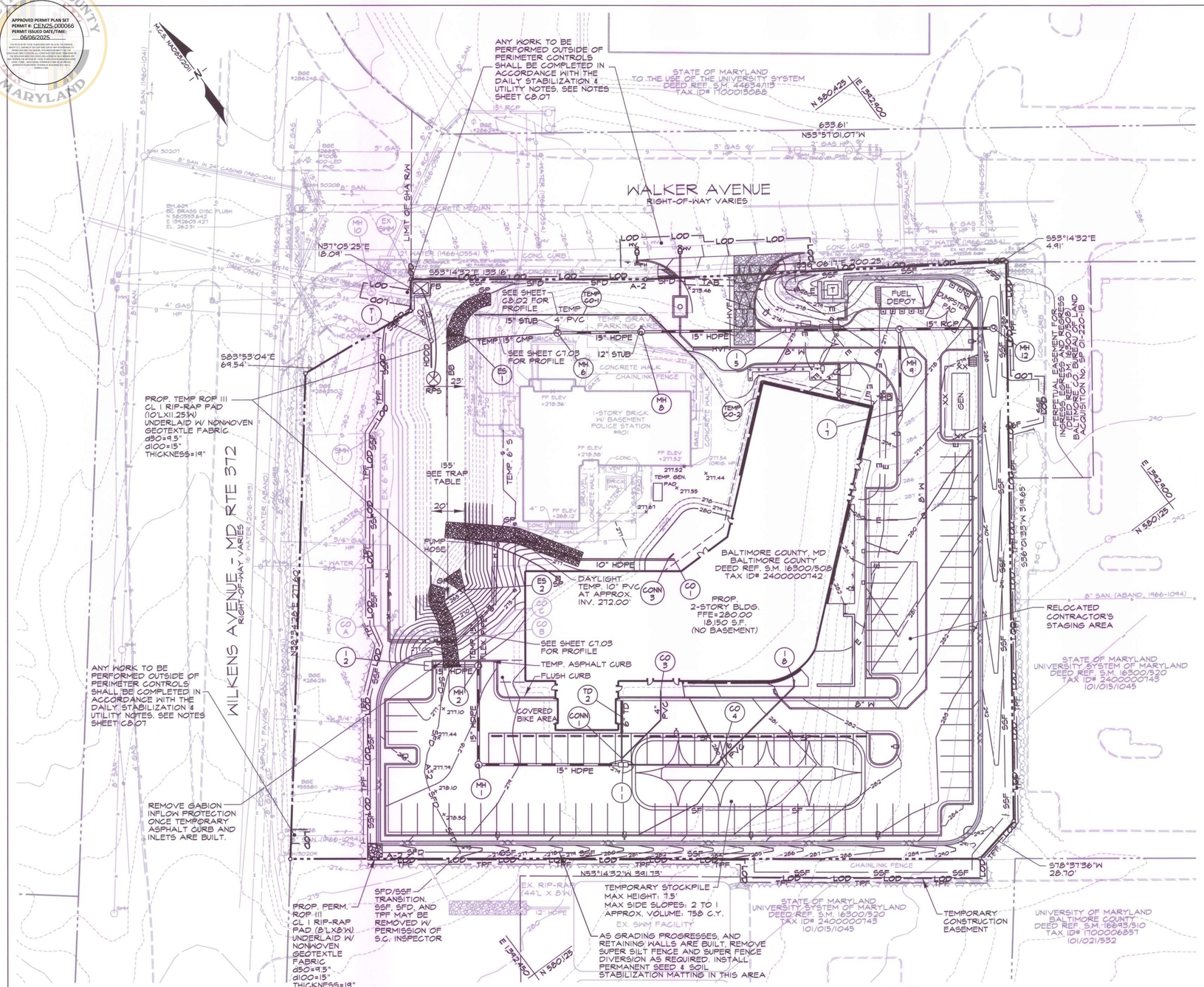
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
EXISTING EROSION AND SEDIMENT CONTROL PLAN - PHASE I
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

ESC 1 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.00	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 25 OF 302
	DRAWING NUMBER
	2024 - 1338
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME: 06/06/2025
THE ISSUE OF THESE PLANS/DESIGNS INCLUDE THE OVERALL SITE LAYOUT, GRADING, STORMWATER MANAGEMENT, AND SEDIMENT CONTROL DESIGN. ANY ADDITIONAL DESIGN, STRUCTURES NOT SHOWN ON THESE PLANS/DESIGNS ARE NOT INCLUDED IN THIS ISSUE. BUILDING AND OTHER PERMITS MAY BE REQUIRED FOR ANY ADDITIONAL WORK. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS, AND REGULATIONS. ADDITIONAL COMMENTS MAY BE ISSUED. APPROVED PLANS MUST BE KEPT ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.



FINAL EROSION & SEDIMENT CONTROL PLAN - PHASE I

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- ctv EX. CABLE TV
- 8" SAN EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- EX. FENCE
- EX. WOODS LINE
- WM EX. WATER METER
- WV EX. WATER VALVE
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- SMH EX. SANITARY MANHOLE
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- CO EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- LOD LIMIT OF DISTURBANCE
- SFD A-2 SUPER FENCE DIVERSION
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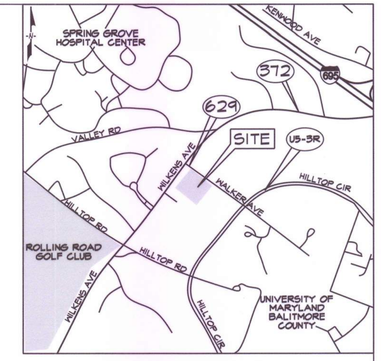
- SCE STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
- 130 PROP. INDEX CONTOUR
- 128 PROP. INTERMEDIATE CONTOUR
- 15" HDPE PROP. STORM DRAIN
- PROP. INLET
- PROP. MANHOLE
- FB FILTER BAG
- RPS REMOVABLE PUMPING STATION
- SP SUMP PIT
- BB BAFFLE BOARDS
- HDDD HORIZONTAL DRAW-DOWN DEVICE
- PROP. RETAINING WALL
- 8" W PROP. WATER
- EX. RETAINING WALL
- TAB TEMPORARY ASPHALT BERM
- TEMPORARY CONSTRUCTION EASEMENT
- HVF HVF HIGH VISIBILITY FENCE

VICINITY MAP

SCALE: 1" = 1,000'



CONTROL/BENCHMARK DATA

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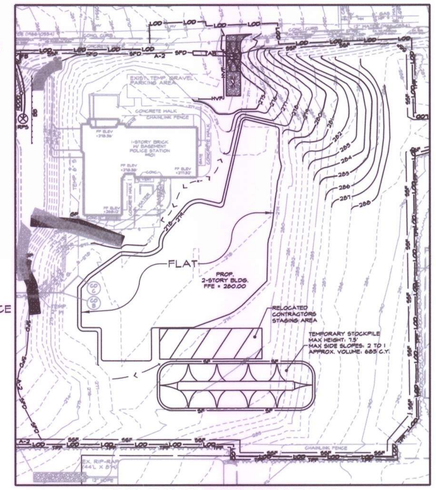
   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580,553.642 E: 1,942,605.427



BUILDING PAD GRADING

SCALE: 1" = 60'

CONTRACTOR NOTE

CONTRACTOR TO ADDRESS MAINTENANCE OF SSF WITHIN 10' OF RETAINING WALLS AT THE END OF EACH WORKING DAY

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1); AND b.) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

MAINTENANCE NOTE

CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION

NOTES.
1. FOR EROSION & SEDIMENT CONTROL NOTES SEE SHEETS C8.06 & C8.07
2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET C8.07
3. SEE SHEET C8.04 FOR SWM CONVERSION GRADING
4. SEE SHEET C3.00 FOR CROSS-REFERENCE OF PROPOSED GRADING (FINAL)
5. CONTRACTOR TO LOCATE CONCRETE WASHOUT STRUCTURE IN THE FIELD.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey S. Wentz 5-7-25
DATE
DNR/ PLEASANT

ESC 2 OF 8

SEAL: STATE OF MARYLAND RYAN J. PIKE 21708 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC. 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PIKE, PE PHONE: 667-270-2485 EMAIL: RPIKE@MKCENG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | | | R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1"=30' PROFILE SCALE: N/A N/A

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

DESIGN BY: RJP | DRAWN BY: RJP/SJG | CHKD BY: RJP

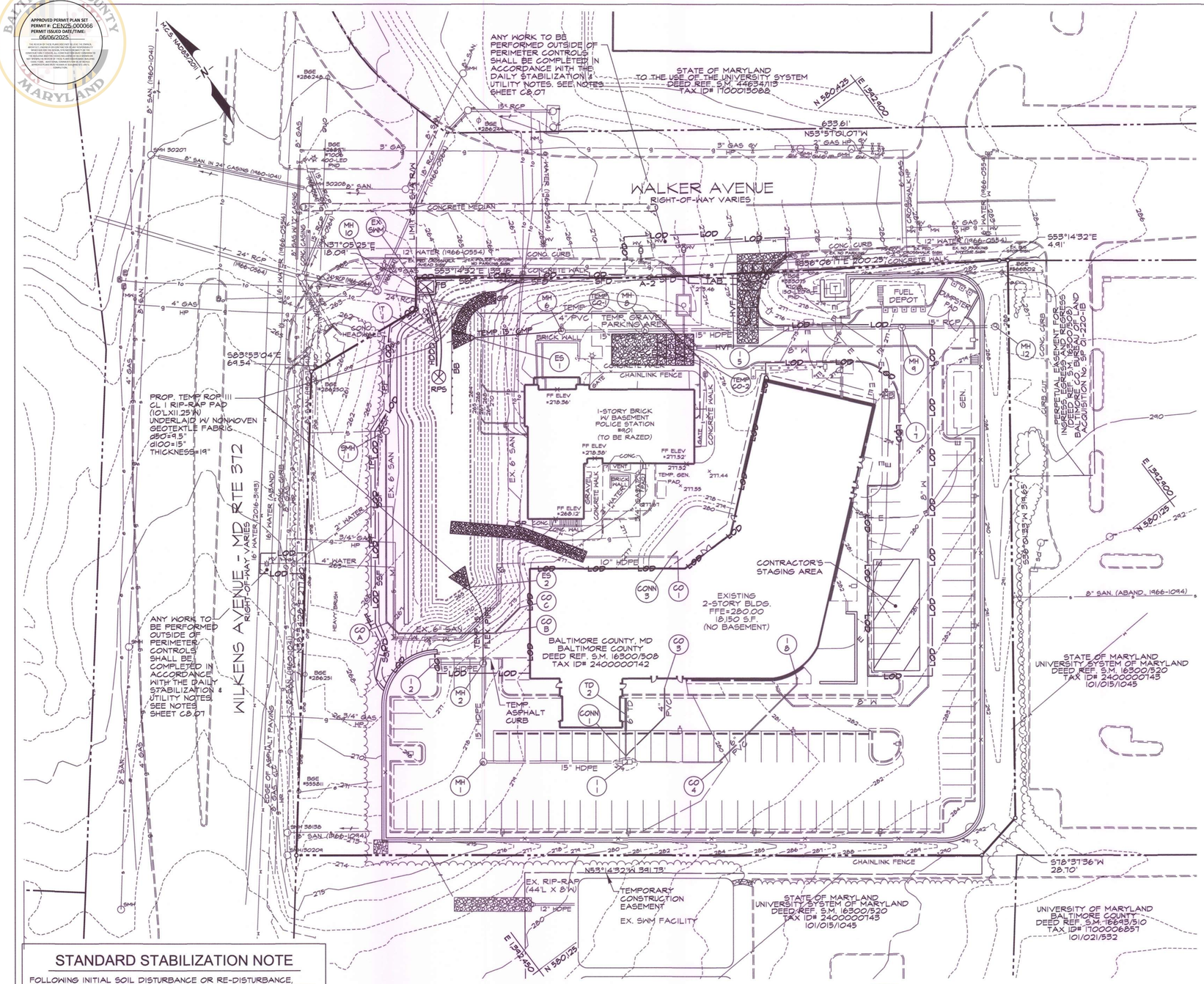
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE I
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C8.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 26 OF 302	
DRAWING NUMBER	2024 - 1339
FILE NO.: 8	SET 01 OF 01

BALTIMORE COUNTY MARYLAND

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME: 06/06/2025
THE ISSUE OF THIS PLANS DOES NOT CLEAR THE OWNER/DEVELOPER FROM OBTAINING ALL OTHER PERMITS AND APPROVALS FROM THE ORIGINAL ATTACHED SET OF THE APPROVED PLANS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. ANY DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED BY THE DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS. ADDITIONAL COMMENTS MAY BE ISSUED. APPROVED PLANS MUST BE KEPT ON JOB SITE AT ALL TIMES. GENERAL NOTE 3.



LEGEND

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- ADJACENT PROPERTY LINE
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- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
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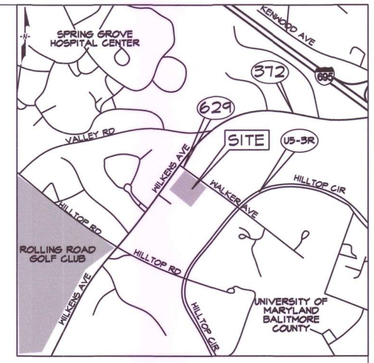
- TEMPORARY CONSTRUCTION EASEMENT
- HVF HVF HIGH VISIBILITY FENCE



VICINITY MAP

SCALE: 1" = 1,000'

CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.999987699.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580,553.642 E: 1,342,605.427

ENVIRONMENTAL NOTES

1. WHEN REQUIRED, STRESS REDUCTION TECHNIQUES (ROOT PRUNING WITH A SHARP, CLEAN CUTTING SAW, MATTING TO MINIMIZE SOIL COMPACTION, CROWN REDUCTION) WILL BE PREFORMED TO MINIMIZE TREE IMPACTS. THIS PROJECT MUST ADHERE TO ALL REQUIREMENTS OF THE APPROVED CRITICAL AREA MANAGEMENT PLAN FOR THIS PROJECT.

MAINTENANCE NOTE

CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1); AND b.) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

EXISTING EROSION & SEDIMENT CONTROL PLAN - PHASE II

SCALE: 1" = 30'

NOTES:
1. FOR EROSION & SEDIMENT CONTROL NOTES SEE SHEETS C8.06 & C8.07
2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET C8.07
3. SEE SHEET C8.04 FOR SWM CONVERSION GRADING
4. SEE SHEET C3.00 FOR CROSS-REFERENCE OF PROPOSED GRADING (FINAL)
5. CONTRACTOR TO LOCATE CONCRETE WASHOUT STRUCTURE IN THE FIELD.

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

STORM DRAIN PROFILE TEMPORARY 4" PVC (FROM EX. PRECINCT BLDG.)

SCALE: HORIZ. 1" = 30' VERT. 1"=5'

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. Wast 5-7-25
DATE

DWG. FILENAME:

SEAL
STATE OF MARYLAND RYAN J. PEET 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1803 PORTER ST., SUITE 403, BALTIMORE, MD 21230, RYAN PEET, PHONE: 667-215-2485, EMAIL: RPEET@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1"=30' PROFILE SCALE: N/A N/A

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

ESC 3 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.02	24111 PPO

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXISTING EROSION AND SEDIMENT CONTROL PLAN - PHASE II

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

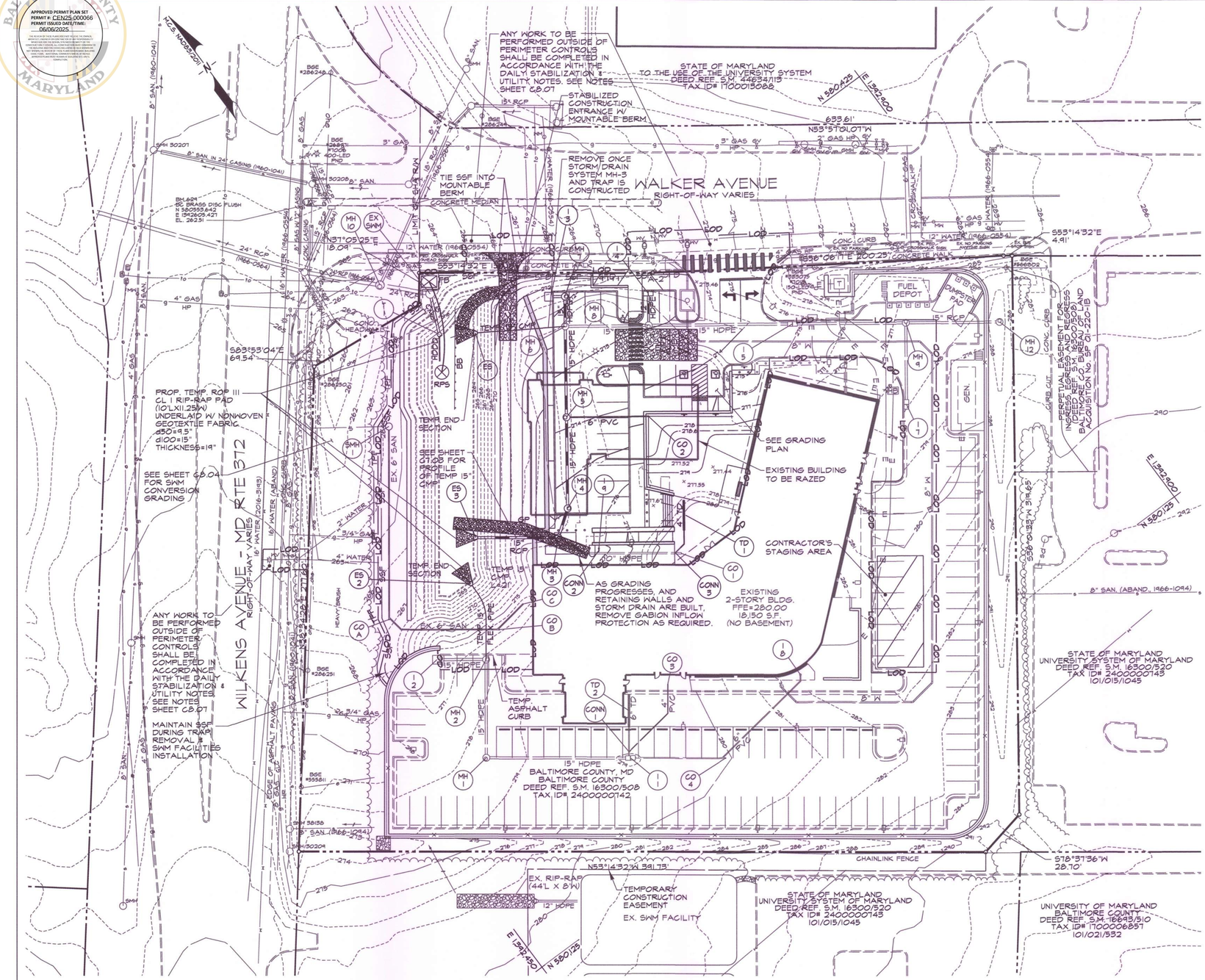
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER	SHEET 27 OF 302	DRAWING NUMBER	FILE NO.: 8
300200006		2024 - 1340	

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000056
PERMIT ISSUED DATE/TIME:
06/06/2025
THIS SHEET OF THESE PLANS DESIGNATED "ESC 4 OF 8" CONTAINS THE FOLLOWING NOTE(S) THAT APPLY TO THE APPROVAL OF THIS SHEET ONLY: ANY WORK BEYOND LIMITS OF DISTURBANCE SHOWN ON THIS SHEET WILL REQUIRE REVISED ESC PLAN APPROVAL PRIOR TO ANY ADDITIONAL DISTURBANCE. ADDITIONAL MEASURES MAY BE REQUIRED. APPROVED PLANS MUST BE KEPT AT BUILDING SITE AT ALL TIMES.
BALTIMORE COUNTY MARYLAND

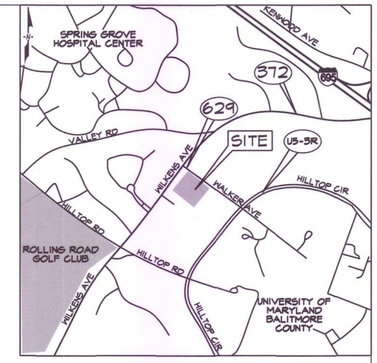


FINAL EROSION & SEDIMENT CONTROL PLAN - PHASE II

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- ctv EX. CABLE TV
- 8" SAN. EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- LOD LIMIT OF DISTURBANCE
- SFD A-2 SUPER FENCE DIVERSION
- SSF SUPER SILT FENCE
- TPF TREE PROTECTION FENCE
- GP GABION INFLOW PROTECTION
- SCE STABILIZED CONSTRUCTION ENTRANCE W/ MOUNTABLE BERM
- 130 PROP. INDEX CONTOUR
- 128 PROP. INTERMEDIATE CONTOUR
- 15" HDPE PROP. STORM DRAIN
- PROP. INLET
- PROP. MANHOLE
- FB FILTER BAG
- RPS REMOVABLE PUMPING STATION
- BB BAFFLE BOARDS
- PR. RETAINING WALL
- EX. RETAINING WALL
- HDDD HORIZONTAL DRAW-DOWN DEVICE
- TEMPORARY CONSTRUCTION EASEMENT



VICINITY MAP

SCALE: 1" = 1,000'

CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99991649.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580555.642 E: 1,392,605.427

ENVIRONMENTAL NOTES

1. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE CRITICAL AREA EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.
2. WHEN REQUIRED, STRESS REDUCTION TECHNIQUES (ROOT PRUNING WITH A SHARP, CLEAN GUTTING SAW, MATTING TO MINIMIZE SOIL COMPACTION, CROWN REDUCTION) WILL BE PREFORMED TO MINIMIZE TREE IMPACTS. THIS PROJECT MUST ADHERE TO ALL REQUIREMENTS OF THE APPROVED CRITICAL AREA MANAGEMENT PLAN FOR THIS PROJECT.

MAINTENANCE NOTE

CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.

NOTES:
1. FOR EROSION & SEDIMENT CONTROL NOTES SEE SHEETS C8.06 & C8.07
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4. SEE SHEET C3.00 FOR CROSS-REFERENCE OF PROPOSED GRADING (FINAL)
5. CONTRACTOR TO LOCATE CONCRETE WASHOUT STRUCTURE IN THE FIELD.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1); AND b.) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West 5-7-25
DATE

DWG. FILENAME:

SEAL
STATE OF MARYLAND RYAN J. PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 51066 EXPIRATION DATE: 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC 1803 PORTER TEL SUITE 401 BALTIMORE, MD 21230 RYAN PIKE, PE PHONE: 667-210-2485 EMAIL: RPIKE@MKCENG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1"=30'
PROFILE SCALE: N/A N/A

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FINAL EROSION AND SEDIMENT CONTROL PLAN - PHASE II

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

ESC 4 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.03	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 28 OF 302	
DRAWING NUMBER	2024 - 1341
FILE NO.: 8	

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000056
PERMIT ISSUED DATE/TIME:
06/06/2025
THE ISSUE OF THESE PLANS DOES NOT RELIEVE THE OWNER, DEVELOPER, OR CONTRACTOR OF THE RESPONSIBILITY TO OBTAIN ALL OTHER FEDERAL, STATE AND LOCAL PERMITS AS REQUIRED. THE ISSUE OF THESE PLANS DOES NOT IMPLY THAT THE LAND DEVELOPMENT REGULATIONS IN EFFECT AT THE TIME OF PLAN APPROVAL WILL NOT CHANGE. ANY CHANGES MADE TO THE LAND DEVELOPMENT REGULATIONS AFTER THE ISSUE OF THESE PLANS MAY REQUIRE ADDITIONAL COMMENTS AND RE-REVIEW OF THE PLANS. ADDITIONAL COMMENTS MAY BE BASED ON APPROVED PLANS MUST REMAIN AT BUILDING SITE UNTIL COMPLETION.
BALTIMORE COUNTY MARYLAND

PIPE OUTLET SEDIMENT TRAP ST-I

STANDARD SYMBOL: ST-I

PIPE OUTLET SEDIMENT TRAP ST-I, TRAP NO. 1

DRAINAGE AREA – INITIAL	1.77	ACRES
DRAINAGE AREA – INTERIM	2.50	ACRES
DRAINAGE AREA – FINAL	2.50	ACRES
TOTAL STORAGE REQUIRED	9,000	CF
TOTAL STORAGE PROVIDED	12,752	CF
WET STORAGE REQUIRED	4,500	CF
WET STORAGE PROVIDED	5,521	CF
DRY STORAGE REQUIRED	4,500	CF
DRY STORAGE PROVIDED	7,231	CF
TRAP BOTTOM ELEVATION	263.75	FT
TRAP BOTTOM DIMENSIONS (FINAL)	155 X 23	FT x FT
RISER CREST (DRY STORAGE) ELEVATION	266.75	FT
OUTLET (WET STORAGE) ELEVATION	265.25	FT
CLEANOUT ELEVATION	264.50	FT
TOP OF EMBANKMENT ELEVATION	268.25	FT
SIDE SLOPE	2:1	H:V RATIO
EMBANKMENT TOP WIDTH	4	FT
PRINCIPAL SPILLWAY MATERIAL (BARREL, RISER, ANTI-SEEP COLLAR)	RCP, CMP	
RISER DIAMETER	30	IN
BARREL DIAMETER	15	IN
TRASH RACK DIAMETER	48	IN
TRASH RACK HEIGHT	23	IN
ANTI-SEEP COLLAR DIMENSIONS	N/A	FT
OUTLET PROTECTION – LENGTH	N/A	FT
OUTLET PROTECTION – WIDTH	N/A	FT
OUTLET PROTECTION – DEPTH	N/A	IN
BAFFLE LENGTH	58	FT
BAFFLE TOP ELEVATION	266.00	FT

3 OF 3

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

1 / C8.04 ORIFICE PLATE DETAIL

NOT TO SCALE

TRAP#1 STORAGE TABLE - EXISTING

ELEV.	AREA (S.F.)	STOR. (C.F)	CUM. STOR. (C.F.)	CUM. STOR. (AC.-FT.)
263.75	2,563.07	0	0	0
264.00	2,717.21	660	660	0.0152
265.00	3,422.84	3,070	3,730	0.0856
265.25	3600.60	878	4,608	0.1058
265.75	3,961.42	1,891	6,499	0.1492
266.00	4,144.49	1,013	7,512	0.1724
266.75	4,707.04	3,249	10,761	0.2470
267.00	4,894.55	4,519	12,031	0.2762
268.00	5,672.97	5,284	17,315	0.3975
268.25	5,872.02	1,433	18,758	0.4306

TRAP#1 STORAGE TABLE - FINAL

ELEV.	AREA (S.F.)	STOR. (C.F)	CUM. STOR. (C.F.)	CUM. STOR. (AC.-FT.)
263.75	3,122.66	0	0	0
264.00	3,312.13	804	804	0.0185
265.00	4,049.22	3,681	4,485	0.1030
265.25	4,234.06	1,036	5,521	0.1267
265.75	4,621.25	2,215	7,736	0.1776
266.00	4,816.94	1,180	8,916	0.2047
266.75	5,412.48	3,836	12,752	0.2927
267.00	5,616.08	1,379	14,131	0.3244
268.00	6,447.33	7,412	21,543	0.4946
268.25	6,637.15	1,635	23,178	0.5321

MAINTENANCE NOTE

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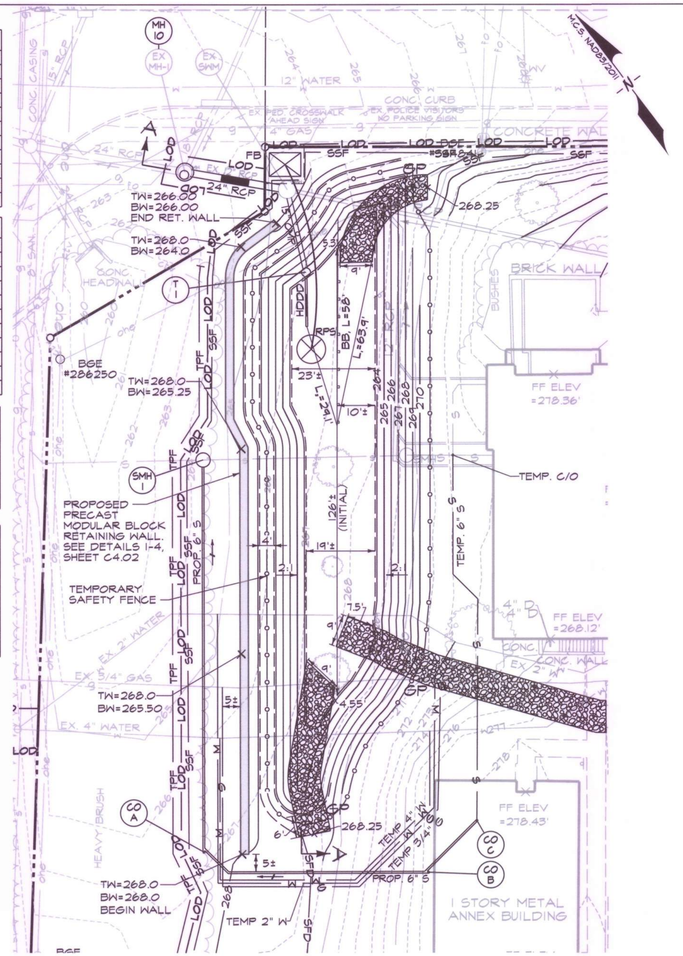
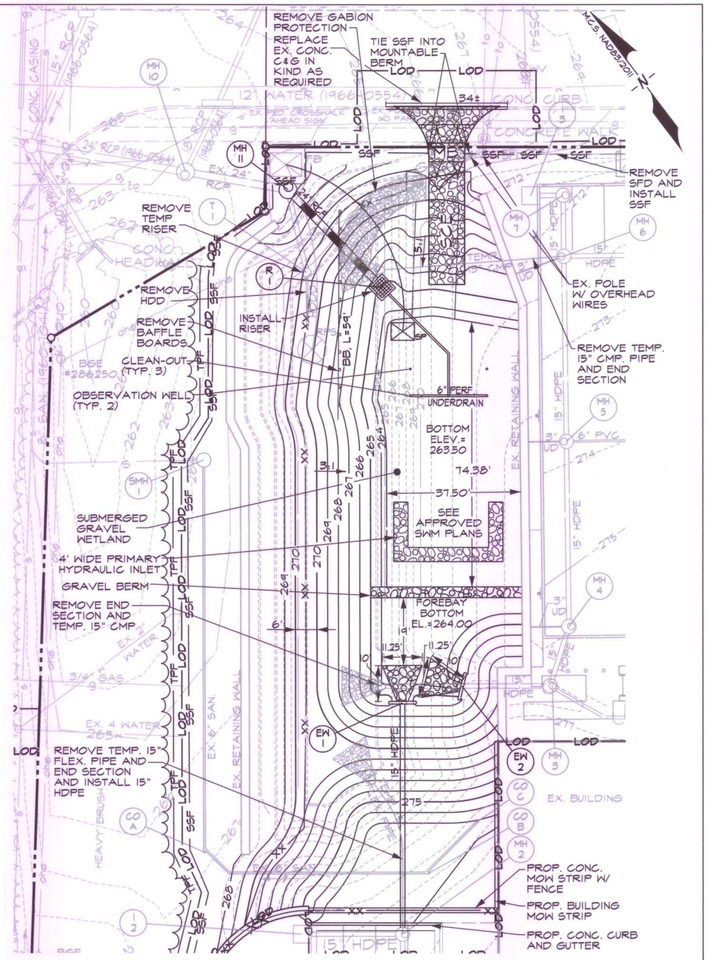
NOTES:
1.) APPLY SILICONE WATERPROOF SEALANT BETWEEN GALVANIZED STEEL PLATE AND RISER FACE.
2.) DRILL MOUNTING HOLES USING 3/8" MASONRY BIT AND INSTALL 3/8" ANCHOR BOLTS, WASHERS & NUTS.
3.) HAND-TIGHTEN NUTS UNTIL PLATE IS SECURE AND WATER-TIGHT SEAL ACHIEVED.
4.) STEEL PLATE AND MOUNTING HARDWARE SHALL BE GALVANIZED.



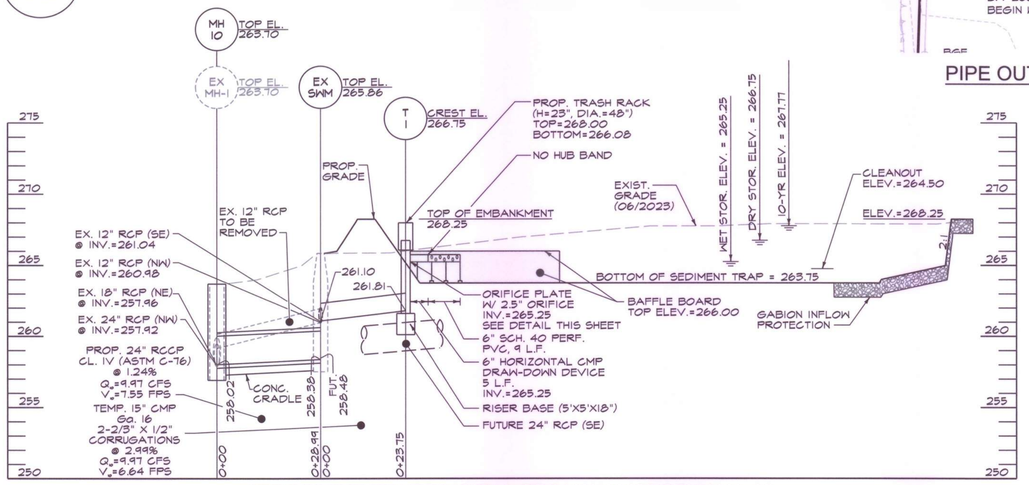
PIPE OUTLET SEDIMENT TRAP #1 INITIAL GRADING

SCALE: 1" = 20'



SEDIMENT TRAP #1 TO SWM CONVERSION GRADING

SCALE: 1" = 20'



*PROFILE THRU PRINCIPAL SPILLWAY (SECTION 'A-A')

SCALE: HORIZ. 1" =20' VERT. 1" = 5'

*PROFILE CORRESPONDS TO THE INITIAL GRADING PLAN VIEW - THIS SHEET

LEGEND

PROPERTY LINE	EX. TREE / BUSH
ADJACENT PROPERTY LINE	PROP. INDEX CONTOUR
EASEMENT LINE	PROP. INTERMEDIATE CONTOUR
EX. INDEX CONTOUR	PROP. CONCRETE CURB & GUTTER
EX. INTERMEDIATE CONTOUR	PROP. FENCE LINE
EX. CURB AND GUTTER	PROP. RETAINING WALL
EX. GAS MAIN	EX. RETAINING WALL
EX. FIBER OPTIC / COMMUNICATION	PROP. SANITARY SEWER
EX. OVERHEAD ELECTRIC	PROP. STORM DRAIN LINE
EX. ELECTRIC	PROP. MANHOLE
EX. SANITARY SEWER	PROP. INLET
EX. STORM DRAIN	REMOVABLE PUMPING STATION
EX. WATER	FILTER BAG
EX. FENCE	SUMP PIT
EX. WOODS LINE	BAFFLE BOARD
EX. WATER METER	HORIZONTAL DRAW-DOWN DEVICE
EX. WATER VALVE	GABION PROTECTION
EX. FIRE HYDRANT	SUPER FENCE DIVERSION
EX. SANITARY MANHOLE	SUPER SILT FENCE
EX. STORM DRAIN MANHOLE	TREE PROTECTION FENCE
EX. CLEANOUT	TEMPORARY SAFETY FENCE
EX. GAS VALVE	
EX. SIGN	
EX. LIGHT POLE	

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. Wastl 5-7-25
DATE

ESC 5 OF 8

DRG. FILENAME:

SEAL: STATE OF MARYLAND RYAN J. PIGG 21068 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PIGG, PE PHONE: 443-703-2887 EMAIL: RPIGG@MKCEING.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DSN BY: RJP
DRN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION

	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.
R.O.W. NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: 1"=20'
PROFILE SCALE: HORIZ. 1"=20' VERT. 1"=5'

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EROSION AND SEDIMENT CONTROL TRAP INSETS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

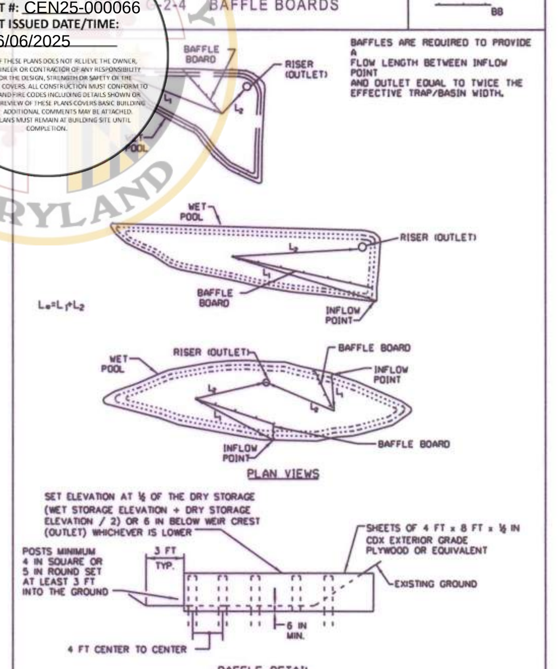
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C8.04	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 29 OF 302	
DRAWING NUMBER	2024 - 1342
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME: 06/06/2025
THE REVIEW OF THESE PLANS DOES NOT RELIEVE THE OWNER, ARCHITECT, ENGINEER OR CONTRACTOR OF ANY RESPONSIBILITY WHATEVER FOR THE DESIGN, STRENGTH OR SAFETY OF THE CONSTRUCTION IT COVERS. ALL CONSTRUCTION MUST CONFORM TO THE BUILDING AND FIRE CODES INCLUDING DETAILS SHOWN OR NOT SHOWN. THE REVIEW OF THESE PLANS COVERS BASIC BUILDING CODE ITEMS. ADDITIONAL COMMENTS MAY BE ATTACHED. APPROVED PLANS MUST REMAIN AT BUILDING SITE UNTIL COMPLETION.

DETAIL C-2-4 BAFFLE BOARDS

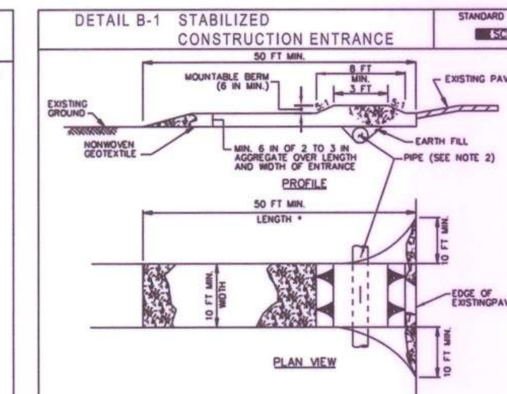
STANDARD SYMBOL — BB



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL SCE



CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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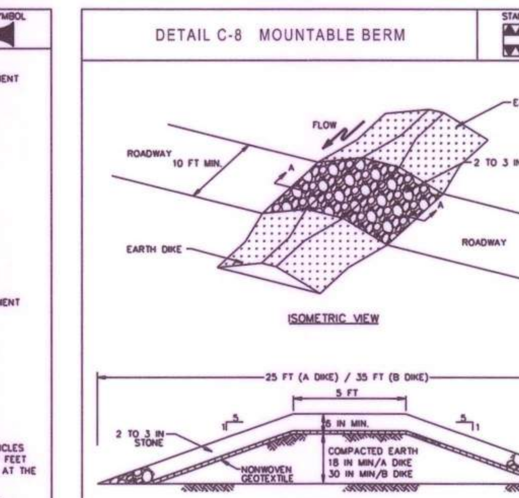
DETAIL C-8 MOUNTABLE BERM

STANDARD SYMBOL MB



CONSTRUCTION SPECIFICATIONS

1. USE MINIMUM WIDTH OF 10 FEET TO ALLOW FOR VEHICULAR PASSAGE.
2. PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE EARTH MOUND PRIOR TO PLACING STONE.
3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE MOUNTABLE BERM.
4. MAINTAIN LINE, GRADE, AND CROSS SECTION. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN SPECIFIED DIMENSIONS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.

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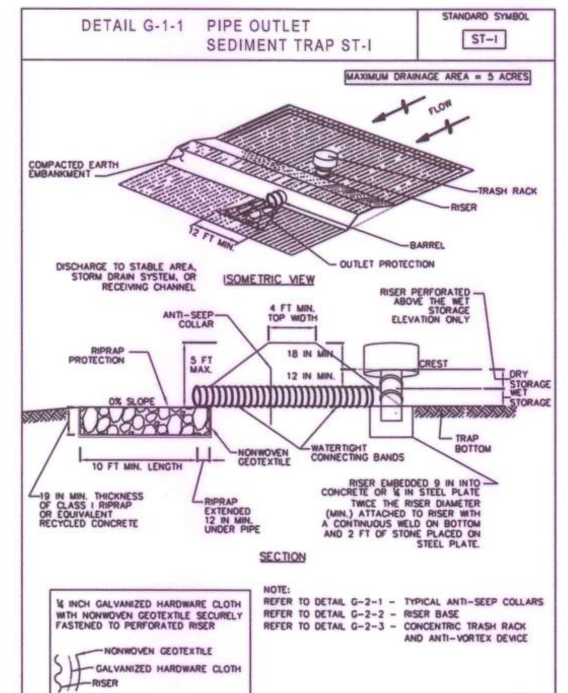
DETAIL G-1-1 PIPE OUTLET SEDIMENT TRAP ST-I

STANDARD SYMBOL ST-I

MAXIMUM DRAINAGE AREA = 5 ACRES



NOTE:
REFER TO DETAIL G-2-1 – TYPICAL ANTI-SEEP COLLARS
REFER TO DETAIL G-2-2 – RISER BASE
REFER TO DETAIL G-2-3 – CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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SEE SHEET 8.04 FOR TRAP DATA

DETAIL G-1-1 PIPE OUTLET SEDIMENT TRAP ST-I

STANDARD SYMBOL ST-I

CONSTRUCTION SPECIFICATIONS

1. CONSTRUCT TRAP IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE AVOIDED.
2. CLEAR, GRUB, AND STRIP ANY VEGETATION AND ROOT MAT FROM THE AREA UNDER THE EMBANKMENT AND TRAP BOTTOM.
3. PERFORATE THE RISER WITH 1 INCH DIAMETER HOLES SPACED 6 INCHES ON CENTER WITH THE LOWEST PERFORATIONS AT THE WET STORAGE ELEVATION OR PROVIDE A HORIZONTAL OR VERTICAL DRAW-DOWN DEVICE PERFORATED ACCORDING TO APPROVED PLAN. DO NOT PERFORATE THE RISER WITHIN 6 INCHES OF THE TOP OF THE HORIZONTAL BARREL.
4. SET RISER/BARREL ASSEMBLY PRIOR TO EMBANKMENT CONSTRUCTION. MAKE ALL PIPE CONNECTIONS WATERTIGHT. OFFSET RISER FROM EMBANKMENT TO ACCOMODATE PLACEMENT OF THE TRASH RACK. ANCHOR THE RISER WITH EITHER A REINFORCED CONCRETE BASE OR STEEL PLATE BASE TO PREVENT FLOTATION. MAKE CONCRETE BASES AT LEAST TWICE THE RISER DIAMETER AND 18 INCHES THICK WITH THE RISER EMBEDDED 9 INCHES.
5. USE FILL MATERIAL FREE OF ROOTS, WOODY VEGETATION, OVERSIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL FOR THE EMBANKMENT.
6. HAND COMPACT IN 4 INCH LAYERS FILL MATERIAL AROUND THE PIPE SPILLWAY. PLACE A MINIMUM OF 2 FEET OF HAND COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
7. CONSTRUCT TOP OF EMBANKMENT 18 INCH MINIMUM ABOVE RISER CREST. COMPACT THE EMBANKMENT BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
8. MAKE ALL CUT AND FILL SLOPES 2:1 OR FLATTER.
9. WRAP THE RISER WITH ¼ INCH GALVANIZED HARDWARE CLOTH THEN WRAP WITH NONWOVEN GEOTEXTILE. DO NOT WRAP WITH MORE THAN ONE LAYER OF GEOTEXTILE. EXTEND HARDWARE CLOTH AND GEOTEXTILE AT LEAST 6 INCHES ABOVE THE HIGHEST PERFORATIONS AND AT LEAST 6 INCHES BELOW THE LOWEST PERFORATIONS. OVERLAP, FOLD AND FASTEN WHERE ENDS OF GEOTEXTILE COME TOGETHER TO PREVENT BYPASS. REPLACE GEOTEXTILE AS NECESSARY TO PREVENT CLOGGING.
10. USE STRAPS OR CONNECTING BANDS AT THE TOP AND BOTTOM OF THE GEOTEXTILE TO HOLD THE GEOTEXTILE AND HARDWARE CLOTH IN PLACE.
11. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
12. STABILIZE THE EMBANKMENT AND INTERIOR SLOPES WITH SEED AND MULCH. STABILIZE POINTS OF CONCENTRATED INFLOW AS SHOWN ON APPROVED PLAN.
13. CONSTRUCT AND MAINTAIN THE OUTLET ACCORDING TO THE APPROVED PLAN AND IN SUCH A MANNER THAT EROSION AT OR BELOW THE OUTLET DOES NOT OCCUR.
14. REMOVE SEDIMENT AND RESTORE TRAP TO ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO CLEANOUT ELEVATION (50% OF WET STORAGE DEPTH). DEPOSIT REMOVED SEDIMENT IN AN APPROVED AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. KEEP POINTS OF INFLOW AND OUTFLOW AS WELL AS INTERIOR OF THE TRAP FREE FROM EROSION, AND REMOVE ACCUMULATED DEBRIS. MAINTAIN EMBANKMENTS TO CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION. REMOVE ANY TREES, BRUSH, OR OTHER WOODY VEGETATION GROWING ON EMBANKMENT OR NEAR PRINCIPAL SPILLWAY. MAINTAIN LINE, GRADE, AND CROSS SECTION. MAINTAIN WATER TIGHT CONNECTIONS. REPLACE GEOTEXTILE AROUND PERFORATED RISER IF DRY STORAGE VOLUME DOES NOT DRAW DOWN WITHIN 10 HOURS.
15. WHEN DEWATERING TRAP, PASS REMOVED WATER THROUGH AN APPROVED SEDIMENT CONTROL PRACTICE.
16. UPON REMOVAL, GRADE AND STABILIZE THE AREA OCCUPIED BY TRAP.

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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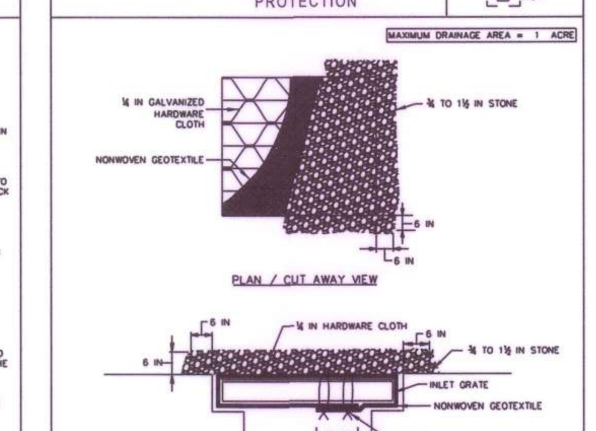
DETAIL E-9-2 AT-GRADE INLET PROTECTION

STANDARD SYMBOL AGIP

MAXIMUM DRAINAGE AREA = 1 ACRE



CONSTRUCTION SPECIFICATIONS

1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
3. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

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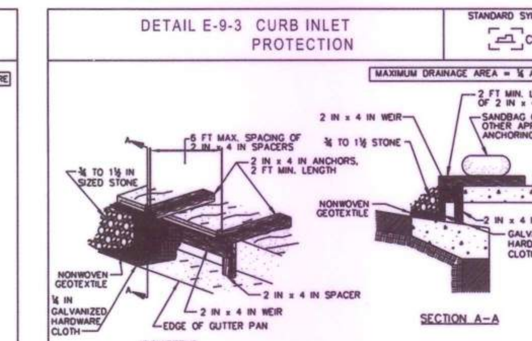
DETAIL E-9-3 CURB INLET PROTECTION

STANDARD SYMBOL CIP

MAXIMUM DRAINAGE AREA = ¼ ACRE



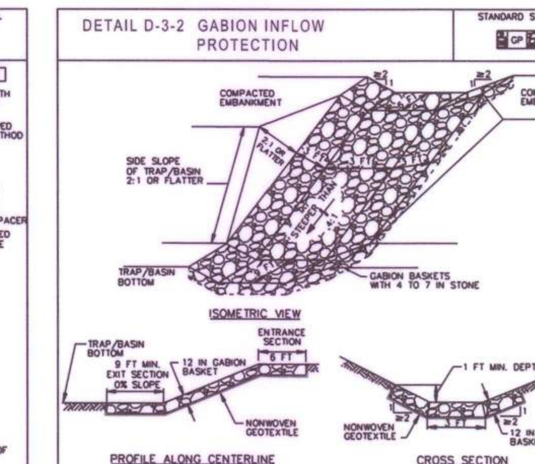
CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH x 4 INCH LUMBER
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
4. ATTACH A CONTINUOUS PIECE OF ¼ INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MODIFIED FOR USE IN BALTIMORE COUNTY
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED-2012 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-3-2 GABION INFLOW PROTECTION

STANDARD SYMBOL GP



CONSTRUCTION SPECIFICATIONS

1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL GABION BASKETS.
2. USE BASKETS MADE OF MINIMUM 11 GAUGE WIRE.
3. CONSTRUCT GABION INFLOW PROTECTION BY ARRANGING 9 X 3 X 1 FOOT GABION BASKETS TO FORM A TRAPEZOIDAL SECTION WITH A 3 FOOT BOTTOM WIDTH, 1 FOOT MINIMUM DEPTH, 3 FOOT SIDE WALLS, AND 2:1 OR FLATTER SIDE SLOPES. FILL GABION BASKETS WITH 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE WITHOUT REBAR OR WEIR MESH.
4. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
5. INSTALL GABIONS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
6. BLEND GABIONS INTO EXISTING GROUND.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION

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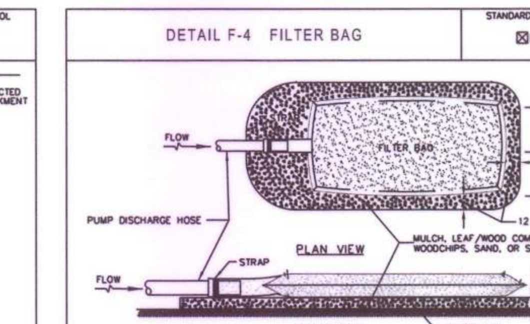
DETAIL F-4 FILTER BAG

STANDARD SYMBOL FB



CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT²	ASTM D-4491
PERMITTIVITY (SEC⁻¹)	1.2 SEC⁻¹	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15–0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632

6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

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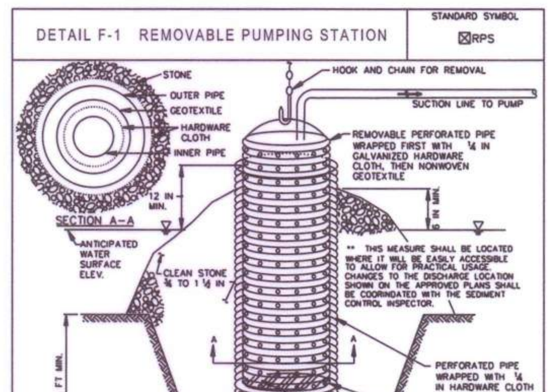
DETAIL F-1 REMOVABLE PUMPING STATION

STANDARD SYMBOL RPS



CONSTRUCTION SPECIFICATIONS

1. USE CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS 6 INCHES ON CENTER.
2. USE A MINIMUM 12 INCH DIAMETER INNER PIPE WITH AN OUTER PIPE A MINIMUM 6 INCHES LARGER IN DIAMETER. BOTTOM OF EACH PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
3. WRAP EACH PIPE WITH ¼ INCH GALVANIZED HARDWARE CLOTH. ON INNER PIPE WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
4. EXCAVATE 8 FEET X 8 FEET X 4 FEET DEEP PIT FOR PIPE PLACEMENT. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
5. SET TOP OF INNER AND OUTER PIPES MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION (OR RISER CREST ELEVATION WHEN DEWATERING A BASIN).
6. BACKFILL PIT AROUND THE OUTER PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
7. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A REMOVABLE PUMPING STATION REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, PULL OUT INNER PIPE AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MODIFIED FOR USE IN BALTIMORE COUNTY
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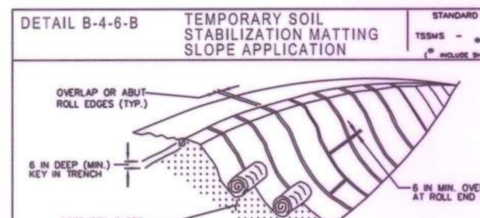
DETAIL B-4-6-B TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION

STANDARD SYMBOL TSSMS – * 2.25 lb/ft² (* INCLUDE SHEAR STRESS)



CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOLDER RESISTANT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSLOPE MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE UPSLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

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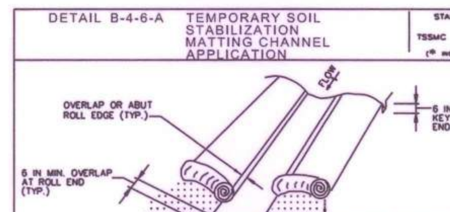
DETAIL B-4-6-A TEMPORARY SOIL STABILIZATION MATTING CHANNEL APPLICATION

STANDARD SYMBOL TSSMC – * 2.25 lb/ft² (* INCLUDE SHEAR STRESS)



CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOLDER RESISTANT. CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTERLINE. WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS. LAY MAT SMOOTHLY AND FIRMLY ON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. KEY-IN UPSTREAM END OF EACH MAT ROLL BY DIGGING A 6 INCH (MINIMUM) TRENCH AT THE UPSTREAM END OF THE MATTING, PLACING THE ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END.
7. OVERLAP OR ABUT THE ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

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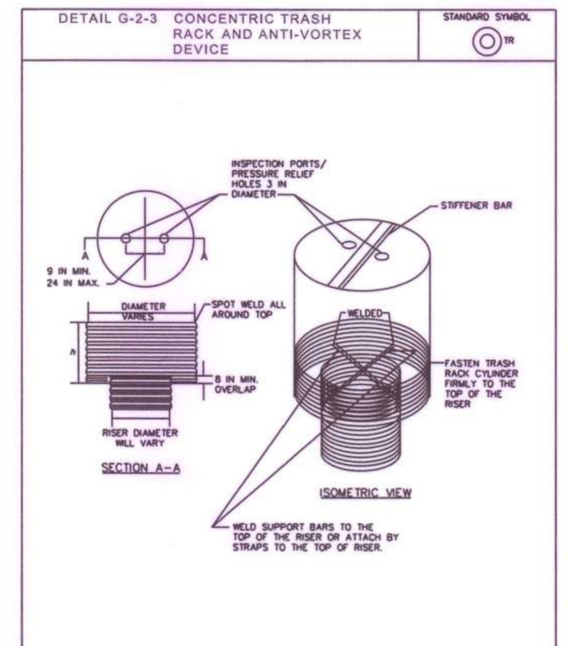
DETAIL G-2-3 CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

STANDARD SYMBOL TR



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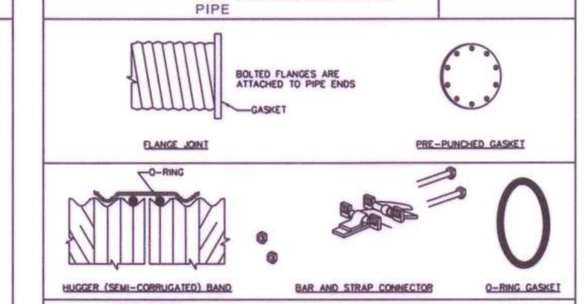
DETAIL G-2-5 TYPES OF COUPLERS FOR CORRUGATED STEEL PIPE

STANDARD SYMBOL



NOTE:
UNDER NO CIRCUMSTANCE IS A DIMPLE (UNIVERSAL) BAND ACCEPTABLE FOR USE IN A SEDIMENT CONTROL OR STORMWATER MANAGEMENT STRUCTURE.

CONSTRUCTION SPECIFICATIONS

1. USE A RUBBER OR NEOPRENE GASKET WHEN JOINING PIPE SECTIONS. THE END OF EACH PIPE SHALL BE RE-ROLLED WITH AN ADEQUATE NUMBER OF CORRUGATIONS TO ACCOMMODATE THE BAND WIDTH.
2. FOR PIPES LESS THAN 24 INCHES IN DIAMETER, PROVIDE ONE OF THE FOLLOWING TYPES OF CONNECTIONS:
   a. FLANGED JOINTS WITH ⅜ INCH CLOSED CELL GASKET THE FULL WIDTH OF THE FLANGE, PRE-PUNCHED TO THE FLANGE BOLT CIRCLES, SANDWICHED BETWEEN ADJACENT FLANGES, OR
   b. 12 INCH WIDE HUGGER TYPE BAND WITH O-RING GASKET HAVING A MINIMUM DIAMETER OF ½ INCH GREATER THAN THE CORRUGATION DEPTH.
3. FOR PIPES 24 INCHES IN DIAMETER AND LARGER, PROVIDE ONE OF THE FOLLOWING TYPES OF CONNECTIONS:
   a. 24 INCH WIDE ANNULAR CORRUGATED BAND WITH 24 INCH WIDE BY ⅜ INCH THICK CLOSED CELL CIRCULAR SLEEVE GASKET WITH 12 INCHES ON THE END OF EACH PIPE, CONNECTED WITH A MINIMUM OF 4 RODS AND LUGS, 2 ON EACH CONNECTING PIPE END, OR
   b. FLANGED JOINTS WITH ⅜ INCH CLOSED CELL GASKET THE FULL WIDTH OF THE FLANGE, PRE-PUNCHED TO THE FLANGE BOLT CIRCLES, AND SANDWICHED BETWEEN ADJACENT FLANGES.

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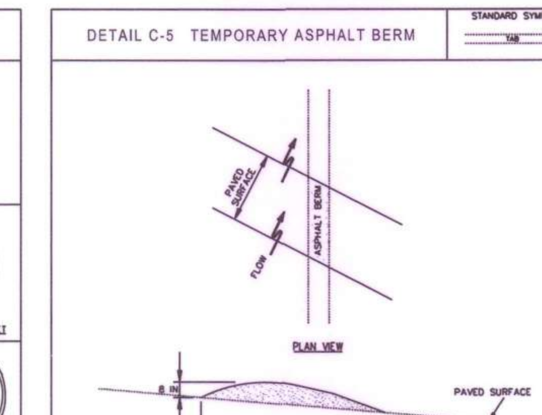
DETAIL C-5 TEMPORARY ASPHALT BERM

STANDARD SYMBOL TAB



CONSTRUCTION SPECIFICATIONS

1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 8 INCHES MINIMUM AND APPROXIMATE WIDTH OF 3½ FEET.
3. PROVIDE OUTLET PROTECTION AS REQUIRED ON PLAN.
4. COMPACT ASPHALT BERM.
5. REPAIR DAMAGED ASPHALT. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.
6. UPON REMOVAL OF ASPHALT BERM, RETURN TO ORIGINAL CONDITIONS OR AS SPECIFIED ON APPROVED PLAN.

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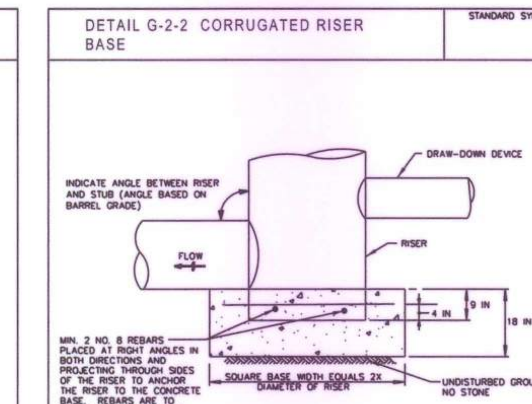
DETAIL G-2-2 CORRUGATED RISER BASE

STANDARD SYMBOL



CONSTRUCTION SPECIFICATIONS

1. BOTTOM OF CONCRETE BASE TO BE PLACED ON UNDISTURBED, NATURAL GROUND.
2. NO STONE IS ALLOWED UNDER BASE. IF NECESSARY, TO ACHIEVE STABILITY INCREASE DEPTH OF CONCRETE BASE.

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DETAIL G-2-3 CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

STANDARD SYMBOL TR

RISER DIAM. (IN)	TRASH RACK CYLINDER DIAM. (IN)	TRASH RACK CYLINDER THICKNESS (GAUGE)	h (IN)	MINIMUM SIZE SUPPORT BAR	MINIMUM TOP THICKNESS (GAUGE)	MINIMUM TOP STIFFENER
12	18	16	14	#6 REBAR	16	N/A
15	21	16	15	#6 REBAR	16	N/A
18	27	16	16	#6 REBAR	16	N/A
21	30	16	19	#6 REBAR	16	N/A
24	36	16	21	#6 REBAR	14	N/A
27	42	16	21	#6 REBAR	14	N/A
30	48	14	23	#8 REBAR	12	N/A
36	54	14	25	#8 REBAR	12	N/A
42	60	14	27	#8 REBAR	12	N/A
48	72	12	29	1¼ IN PIPE OR 1¼ x 1¼ x ¼ ANGLE	10	N/A
54	78	12	33	1¼ IN PIPE OR 1¼ x 1¼ x ¼ ANGLE	10	N/A
60	90	12	37	1½ IN PIPE OR 1½ x 1½ x ¼ ANGLE	8	N/A
66	96	10	41	2 IN PIPE OR 2 x 2 x 3/16 ANGLE	8	2 x 2 x ¼ ANGLE
72	102	10	44	2 IN PIPE OR 2 x 2 x 3/16 ANGLE	8	2½ x 2½ x ¼ ANGLE
78	114	10	47	2½ IN PIPE OR 2 x 2 x ¼ ANGLE	8	2½ x 2½ x ¼ ANGLE
84	120	10	50	2½ IN PIPE OR 2½ x 2½ x ¼ ANGLE	8	2½ x 2½ x 5/16 ANGLE

NOTE:
THE ABOVE TRASH RACK AND ANTI-VORTEX DEVICE INFORMATION IS FOR CORRUGATED METAL PIPE ONLY. CONCRETE RISERS MUST MEET THE REQUIREMENTS OF MD 378.

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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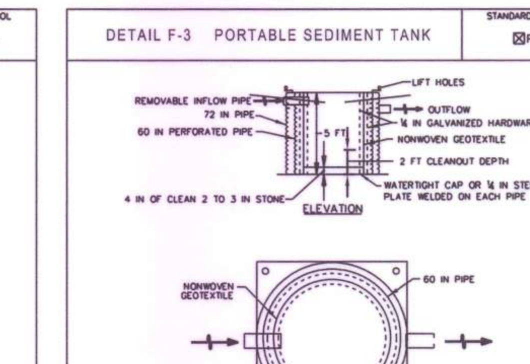
DETAIL F-3 PORTABLE SEDIMENT TANK

STANDARD SYMBOL PST



CONSTRUCTION SPECIFICATIONS

1. PROVIDE 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP CAPACITY. REQUIRED STORAGE VOLUME MAY BE ATTAINED BY PLACEMENT OF TANKS IN PARALLEL WITH INFLOW EVENLY DISTRIBUTED AMONG TANKS. OVERTOPPING OF TANKS IS NOT PERMITTED.
2. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, SANDWICHED BETWEEN, AND ATTACHED TO, ¼ INCH HARDWARE CLOTH.
3. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
4. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
5. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE
6. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
7. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A PORTABLE SEDIMENT TANK REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT FROM INNER PIPE WHEN IT REACHES TWO FEET IN DEPTH. IF SYSTEM CLOGS, PULL OUT INNER PIPE, REMOVE ACCUMULATED SEDIMENT, AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

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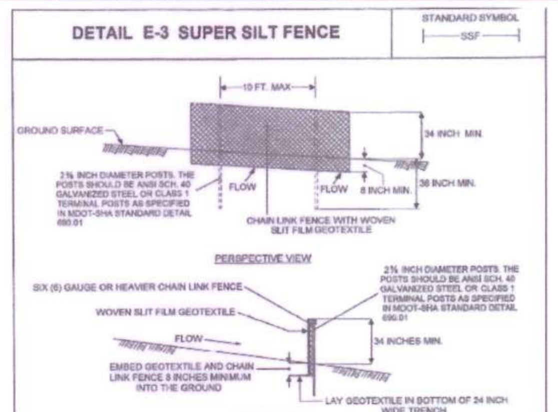
DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL —SSF—



CONSTRUCTION SPECIFICATIONS

1. INSTALL 2⅜ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.15 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 6 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2⅜ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND. LAY THE GEOTEXTILE IN THE BOTTOM OF THE 24 INCH WIDE TRENCH.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE UPHILL A MINIMUM OF 3 VERTICAL FEET TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURERS CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF THE FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

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APPENDIX 17

ROCK OUTLET PROTECTION III

STANDARD SYMBOL ROP III

CONSTRUCTION SPECIFICATIONS

1. RIP RAP AND STONE MUST CONFORM TO SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS AND PROTECT FROM PUNCTURING, CUTTING OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (⅜ TO 1½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIP RAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND THE GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIP RAP AN EMBED AT LEAST 4 INCHES AT SIDES OF RIP RAP.
5. CONSTRUCT RIP RAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIP RAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIP RAP IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
7. MAINTAIN LINE, GRADE AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIP RAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

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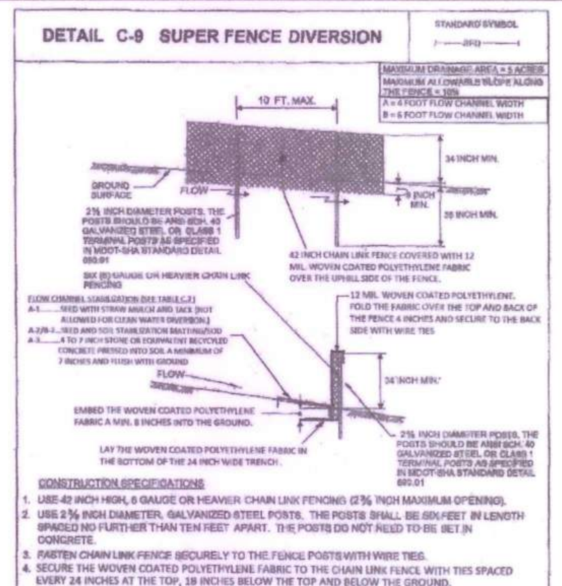
APPENDIX 29A

DETAIL C-9 SUPER FENCE DIVERSION

STANDARD SYMBOL —SFD—



CONSTRUCTION SPECIFICATIONS

1. USE 42 INCH HIGH, 6 GAUGE OR HEAVIER CHAIN LINK FENCING (2⅜ INCH MAXIMUM OPENING).
2. USE 2⅜ INCH DIAMETER, GALVANIZED STEEL POSTS. THE POSTS SHALL BE SIX FEET IN LENGTH SPACED NO FURTHER THAN TEN FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
4. SECURE THE WOVEN COATED POLYETHYLENE FABRIC TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, 18 INCHES BELOW THE TOP AND BELOW THE GROUND.
5. EMBED THE WOVEN COATED POLYETHYLENE FABRIC A MINIMUM OF 8 INCHES INTO THE GROUND. LAY THE WOVEN COATED POLYETHYLENE FABRIC IN THE BOTTOM OF THE 24 INCH WIDE TRENCH AND PROVIDE THE DESIGNATED FLOW CHANNEL STABILIZATION.
6. WHEN TWO SECTIONS OF WOVEN COATED POLYETHYLENE FABRIC ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH THE SEAM FACING DOWNGRADE.
7. KEEP FLOW SURFACE ALONG THE FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND RE-ESTABLISH THE DESIGNATED VEGETATIVE STABILIZATION OR PROVIDE CLEAN STONE. MAINTAIN POSITIVE DRAINAGE. REPLACE WOVEN COATED POLYETHYLENE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

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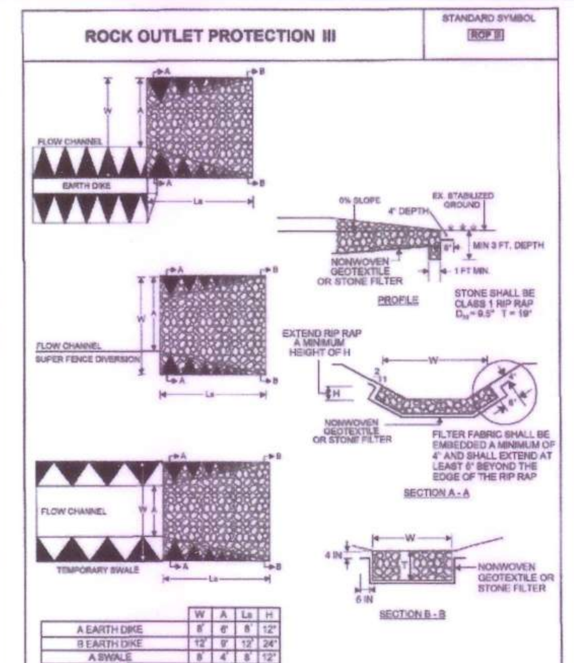
APPENDIX 20 REVISED 2020

ROCK OUTLET PROTECTION III

STANDARD SYMBOL ROP III



	W	A	La	H
A EARTH DIKE	8'	6'	8'	12"
B EARTH DIKE	12'	9'	12'	24"
A SWALE	8'	4'	8'	12"
B SWALE	12'	6'	12'	12"
SUPER FENCE DIVERSION	6'	6'	8'	12"

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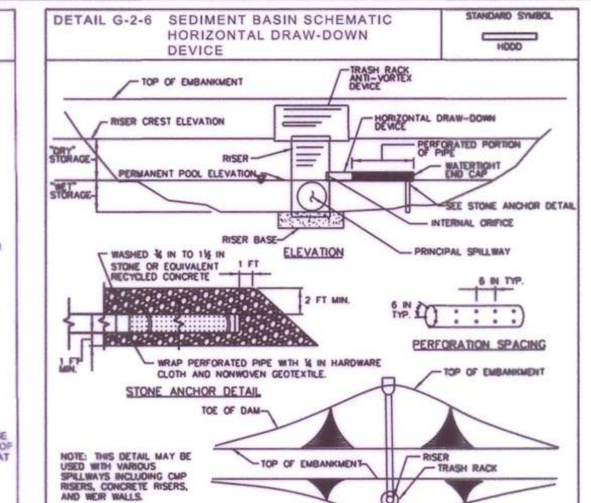
DETAIL G-2-6 SEDIMENT BASIN SCHEMATIC HORIZONTAL DRAW-DOWN DEVICE

STANDARD SYMBOL HDDD



CONSTRUCTION SPECIFICATIONS

1. PERFORATE PIPE WITH 1 INCH DIAMETER PERFORATIONS SPACED 6 INCHES APART LONGITUDINALLY AND RADIALLY OR IN ACCORDANCE WITH APPROVED PLAN.
2. WRAP THE PERFORATED PORTION OF THE DRAW-DOWN DEVICE FIRST WITH ¼ INCH GALVANIZED HARDWARE CLOTH, THEN WITH NONWOVEN GEOTEXTILE. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS. DO NOT WRAP WITH MORE THAN ONE LAYER OF GEOTEXTILE.
3. AS AN ALTERNATE TO STONE ANCHORING, SECURE DRAW-DOWN DEVICE WITH TWO 1 INCH STEEL ANGLES SET 3 FEET MINIMUM INTO THE GROUND ATTACHED TO DRAW-DOWN DEVICE BY A 1 INCH WIDE GALVANIZED STEEL STRAP OR 12 GAUGE OR HEAVIER WIRE.
4. REMOVE SEDIMENT WHEN IT ACCUMULATES TO CLEANOUT ELEVATION (50% OF THE WET STORAGE DEPTH). DEPOSIT REMOVED SEDIMENT IN AN APPROVED AREA IN A SUCH A MANNER THAT IT WILL NOT ERODE. MAINTAIN WATER TIGHT CONNECTIONS. REPLACE GEOTEXTILE AROUND PERFORATED RISER IF DRY STORAGE VOLUME DOES NOT DRAW DOWN WITHIN 10 HOURS.

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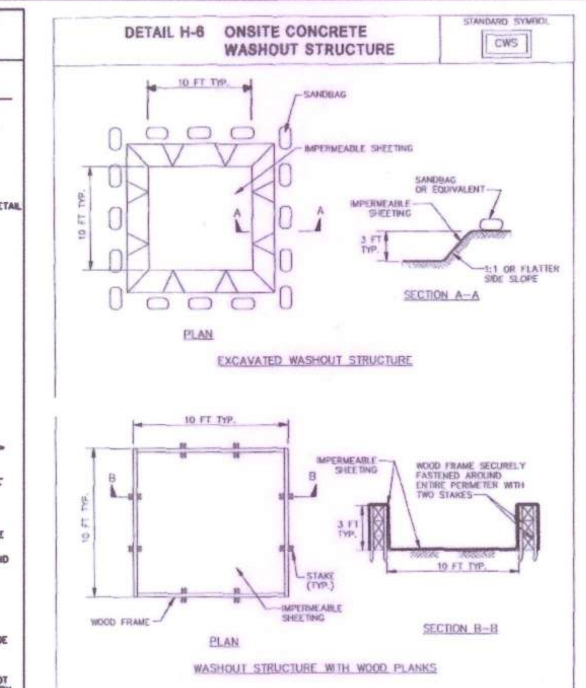
DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL CWS



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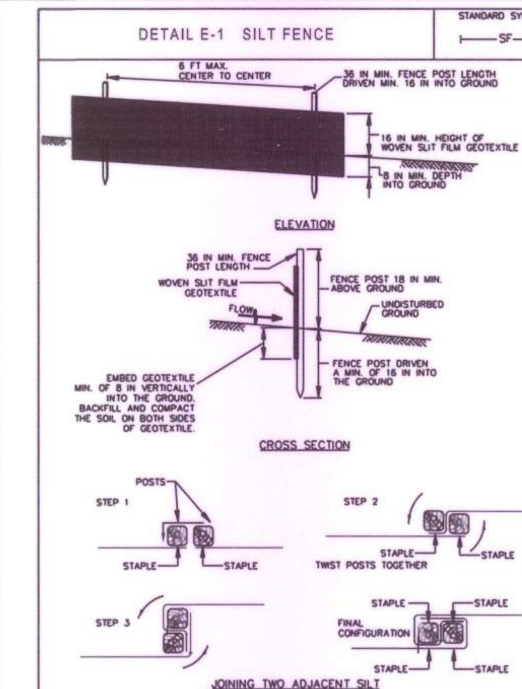
H.24

DETAIL E-1 SILT FENCE

STANDARD SYMBOL —SF—



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DETAIL E-1 SILT FENCE

STANDARD SYMBOL —SF—

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1¾ X 1¾ ± 1/16 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

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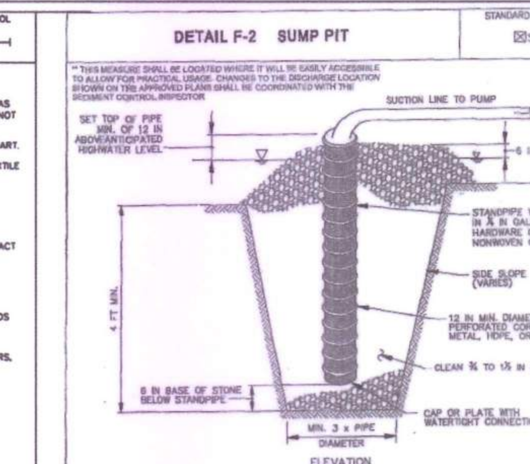
DETAIL F-2 SUMP PIT

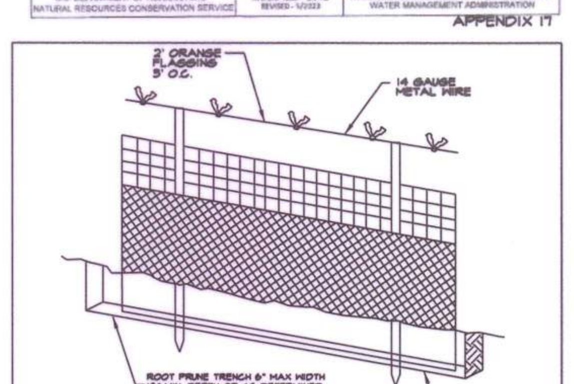
STANDARD SYMBOL SP



CONSTRUCTION SPECIFICATIONS

1. USE 12 INCH OR LARGER DIAMETER CORRUGATED METAL, HDPE, OR PVC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER. BOTTOM OF PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
2. WRAP PIPE WITH ¼ INCH GALVANIZED HARDWARE CLOTH AND WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
3. EXCAVATE PIT TO THREE TIMES THE PIPE DIAMETER AND FOUR FEET IN DEPTH. PLACE ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
4. SET TOP OF PIPE MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
5. BACKFILL PIT AROUND THE PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
6. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
7. A SUMP PIT REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, REMOVE PERFORATED PIPE AND REPLACE GEOTEXTILE AND STONE. KEEP POINT OF DISCHARGE FREE OF EROSION.

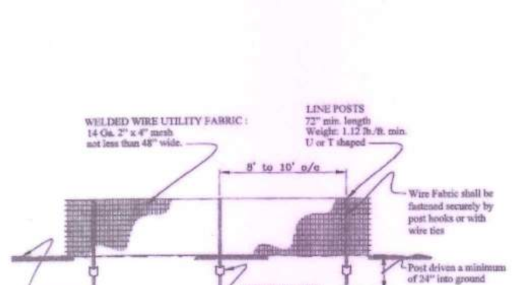
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MODIFIED FOR USE IN BALTIMORE COUNTY
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | MODIFIED - 2012 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



NOTES:
1. RETENTION AREAS SHALL BE CONFIRMED IN THE FIELD AT THE PRECONSTRUCTION MEETING.
2. RETENTION AREA BOUNDARIES SHALL BE STAKED AND FLAGGED IN THE FIELD PRIOR TO TRENCHING.
3. THE TRENCH SHALL BE CUT BY A METHOD SPECIFIED IN THE FOREST CONSERVATION SPECIFICATIONS & NOTES.
4. ALL PRUNING MUST BE EXECUTED AS SHOWN ON THE PLANS OR AS AUTHORIZED BY THE CITY INSPECTOR.
6. THE TRENCH SHALL NOT REMAIN OPEN FOR LONGER THAN 48 HOURS AND SHALL BE BACKFILLED WITH NATIVE SOIL AND MULCH AS NECESSARY.
5. ROOT PRUNING SHALL BE CONDUCTED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST & MARYLAND L.T.E..

FI:TREE PROTECTION/SILT FENCE & ROOT PRUNING DETAIL

N.T.S.

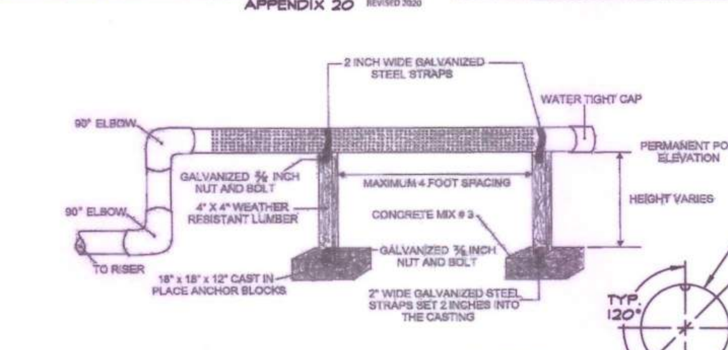


TEMPORARY SAFETY FENCE FOR SEDIMENT TRAPPING DEVICES

NOT TO SCALE

Baltimore County Department of Environmental Protection and Resource Management

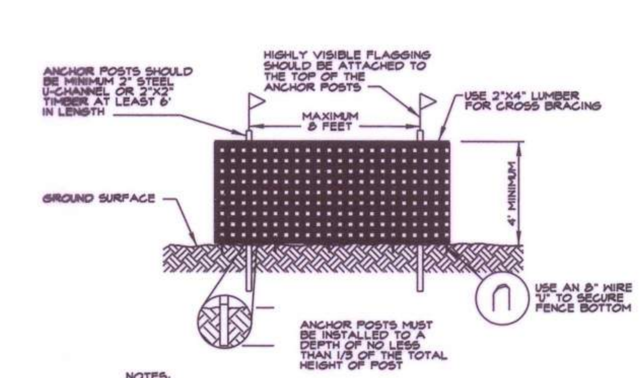
APPENDIX 28



HORIZONTAL DRAW-DOWN DEVICE ANCHOR DETAIL
NOT TO SCALE

APPENDIX 28

9 L.F. PERFORATED ASTM D-2241 SCH. 40 PVC WITH 6" HOLES PER FOOT, STAGGERED AND 90°, 6" APART WRAPPED WITH 1/4" GALVANIZED HARDWARE CLOTH AND NON-WOVEN GEOTEXTILE. MINIMUM NUMBER OF PERFORATIONS = 54.



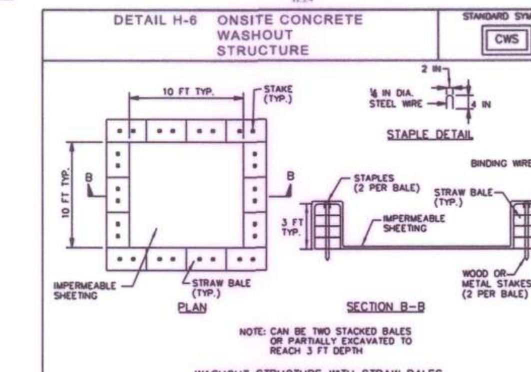
NOTES:
1. FOREST PROTECTION DEVICE ONLY
2. RETENTION AREA WILL BE SET AS A PART OF THE REVIEW PROCESS
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE
4. ROOT DAMAGE SHOULD BE AVOIDED
5. PROTECTIVE SIGNAGE MAY ALSO BE USED
6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

BLAZE ORANGE FENCING

N.T.S.

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL CWS



CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

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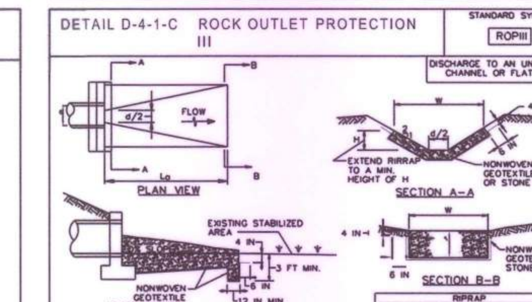
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-4-1-C ROCK OUTLET PROTECTION III

STANDARD SYMBOL ROPIII

DISCHARGE TO AN UNCONFINED CHANNEL OR FLAT AREA



CLASS	RIPRAP THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

CONSTRUCTION SPECIFICATIONS

1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (⅜ TO 1½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
7. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND RIPRAP DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

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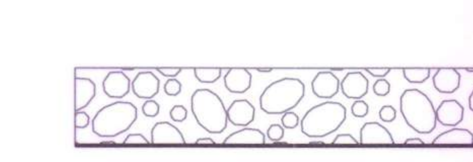


1 / C8.05 TEMPORARY GRAVEL PARKING AREA
NOT TO SCALE

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West 5-7-25
DATE

ESC 6 OF 8

SEAL	STATE OF MARYLAND RYAN J. PIKE 51066 PROFESSIONAL ENGINEER
DATE:	4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
			R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	N/A
CONTRACT COMPLETION BOX						PROFILE SCALE:	N/A N/A
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EROSION AND SEDIMENT CONTROL DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C8.05	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 30 OF 302
	DRAWING NUMBER
	2024 - 1343
	FILE NO.: 8

DWG. FILENAME:

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME:
06/06/2025
THE ISSUE OF THESE PLANS DOES NOT RELEASE THE OWNER, DEVELOPER, CONTRACTOR OR ENGINEER FROM COMPLIANCE WITH ANY AND ALL REGULATIONS, STATUTES OR LAWS OF THE STATE OF MARYLAND AND BALTIMORE COUNTY INCLUDING BUT NOT LIMITED TO OBTAINING ANY AND ALL PERMITS AND APPROVALS REQUIRED BY LAW. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPROVED PLANS AND AS BUILT PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO ISSUANCE OF USE AND OCCUPANCY PERMIT.

EROSION & SEDIMENT CONTROL NOTES

1. INITIAL DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 3 YEARS.
2. REFER TO "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
3. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN THE SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
4. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
5. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: (A)THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1), AND (B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
6. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO BALTIMORE COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
7. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," PG. H-22 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
8. ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
9. EXCESS CUT OR BORROW MATERIAL SHALL GO TO, OR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND OPEN GRADING PERMIT.
10. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE; REFER TO "MARYLAND'S GUIDELINES TO WATERWAY CONSTRUCTION" BY THE WATER MANAGEMENT ADMINISTRATION OF THE MARYLAND DEPT. OF THE ENVIRONMENT, REVISED NOVEMBER, 2000 FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.
11. PUMPING SEDIMENT LADEN WATER INTO THE WATERS OF THE STATE IS STRICTLY PROHIBITED. ANY PORTABLE DEWATERING DEVICE MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE.
12. UPON INSTALLATION OF THE BASE PAVEMENT AND AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR, RELOCATE THE STABILIZED CONSTRUCTION ENTRANCE(S) AND INSTALL ADDITIONAL CONTROL MEASURES (STABILIZED CONSTRUCTION ENTRANCES, SILT FENCES, SUPER SILT FENCES) AS NEEDED TO CONTROL SEDIMENT RUNOFF FROM DISTURBED AREAS. THE ADDITIONAL CONTROLS MUST NOT ALTER DRAINAGE PATTERNS.
13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
14. NO PROPOSED SLOPE SHALL BE GREATER THAN 2:1.
15. ON AREAS WHERE THE SLOPE IS 3:1 OR FLATTER AND THE HEIGHT IS 8' OR GREATER, CONTRACTOR SHALL TRACK THE SLOPE USING CLEATED DOZER PRIOR TO PLACING LIQUID BINDER. DOZER SHALL RUN UP- AND DOWN SO THAT CLEAT MARKS ARE HORIZONTAL. WHERE TRACKING IS REQUIRED, IT SHALL BE DONE FROM EXISTING GRADE LEVEL TO FINISHED GRADE LEVEL WITHIN THE LIMITS ESTABLISHED BY THE 8' HEIGHT CRITERIA.
16. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEED MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS.
17. TEMPORARY STOCKPILES
    TEMPORARY STOCKPILES SHALL BE:
    A. LOCATED WITHIN THE LIMIT OF DISTURBANCE (LOD).
    B. DRAIN TO A FUNCTIONING SEDIMENT CONTROL DEVICE.
    C. POSITIONED TO NOT IMPEDE UPON, OR IMPAIR THE FUNCTION OF SAID DEVICE.
    D. POSITIONED TO NOT ALTER DRAINAGE DIVIDES.
18. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
19. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS, LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
20. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT WRITTEN PERMISSION OF THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
21. SEDIMENT CONTROL TRAFFIC NOTE.
    "ANY TRAVEL LANE CLOSED BEFORE 9:00 A.M. OR AFTER 3:30 P.M. MUST BE APPROVED BY BALTIMORE COUNTY BUREAU OF TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING AT 410-887-3554".
22. TOPSOIL STOCKPILE AREA SHOWN ON THE PLAN IS BASED ON THE ESTIMATED VOLUME OF TOPSOIL TO BE STRIPPED. THE AREA SHOWN ASSUMES A HEIGHT OF 15 FEET WITH 2:1 SIDE SLOPES. THE STOCKPILE IS CENTERED ON THE NO CUT/ NO FILL LINE, HOWEVER THE CONTRACTOR MAY ELECT TO GRADE THE AREA TO PROPOSED SUBGRADE PRIOR TO STOCKPILE PLACEMENT.

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

DEFINITION

THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.

PURPOSE

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH.

CONDITIONS WHERE PRACTICE APPLIES

WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED.

CRITERIA

A. SOIL PREPARATION
   1. TEMPORARY STABILIZATION
      A. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE.
      B. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.
      C. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
   2. PERMANENT STABILIZATION
      A. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
         I. SOIL PH BETWEEN 6.0 AND 7.0.
         II. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM).
         III. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE.
         IV. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
         V. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
      B. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
      C. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
      D. APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
      E. MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.

B. TOPSOILING
   1. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.
   2. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-NRCS.
   3. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
      A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
      B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
      C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
      D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
   4. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN.
   5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA:
      A. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL MUST NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1-1/2 INCHES IN DIAMETER.
      B. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
      C. TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
   6. TOPSOIL APPLICATION
      A. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL.
      B. UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
      C. TOPSOIL MUST NOT BE PLACED IF THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
   1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY. SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.
   2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER.
   3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A #20 MESH SIEVE.
   4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
   5. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

DEFINITION

THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.

PURPOSE

TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION.

CONDITIONS WHERE PRACTICE APPLIES

TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA NOT UNDER ACTIVE GRADING.

CRITERIA

A. SEEDING
   1. SPECIFICATIONS
      A. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED MUST BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. ALL SEED USED MUST HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B-4 REGARDING THE QUALITY OF SEED. SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VERIFY TYPE OF SEED AND SEEDING RATE.
      B. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS.
      C. INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALLY FOR THE SPECIES. INOCULANTS MUST NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75 TO 80 DEGREES FAHRENHEIT CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE.
      D. SOD OR SEED MUST NOT BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
   2. APPLICATION
      A. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.
         I. INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, OR SITE-SPECIFIC SEEDING SUMMARIES.
         II. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION. ROLL THE SEEDED AREA WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT.
      B. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL.
         I. CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.
         II. APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
      C. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER).
         I. IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE TOTAL OF SOLUBLE NITROGEN; P2O5 (PHOSPHOROUS), 200 POUNDS PER ACRE; K2O (POTASSIUM), 200 POUNDS PER ACRE.
         II. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.
         III. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT INTERRUPTION.
         IV. WHEN HYDROSEEDING DO NOT INCORPORATE SEED INTO THE SOIL.

B. MULCHING
   1. MULCH MATERIALS (IN ORDER OF PREFERENCE)
      A. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY. NOTE: USE ONLY STERILE STRAW MULCH IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.
      B. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE.
         I. WCFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY.
         II. WCFM, INCLUDING DYE, MUST CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS.
         III. WCFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND MUST COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.
         IV. WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.
         V. WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH OF APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER HOLDING CAPACITY OF 90 PERCENT MINIMUM.
   2. APPLICATION
      A. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
      B. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. APPLY MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE THE APPLICATION RATE TO 2.5 TONS PER ACRE.
      C. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MIXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
   3. ANCHORING
      A. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND EROSION HAZARD:
         I. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, THIS PRACTICE SHOULD FOLLOW THE CONTOUR.
         II. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
         III. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED. FOLLOW APPLICATION RATES AS SPECIFIED BY THE MANUFACTURER. APPLICATION OF LIQUID BINDERS NEEDS TO BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF ASPHALT BINDERS IS STRICTLY PROHIBITED
         IV. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO 3,000 FEET LONG.

FOR CONTINUATION OF VEGETATIVE SPECS. - SEE SHEET C8.07

TRAP / BASIN FLOW DIVERSION NOTE

TO PREVENT SLOPE EROSION, WITHIN SEDIMENT TRAPPING DEVICES, ADEQUATELY SIZED AND STABILIZED FLOW DIVERSION MEASURES (I.E. EARTH DIKE, TEMPORARY SWALE, PERIMETER DIKE/SWALE, SUPER FENCE DIVERSION, ETC.) SHALL BE INSTALLED AT THE UPSLOPE EXTENT OF TRAP, AND BASIN STORAGE AREAS TO DIVERT ALL FLOWS TO APPROPRIATE INFLOW PROTECTION DEVICES. THESE MEASURES WILL BE LOCATED BY THE CONTRACTOR AND THEREFORE NOT SHOWN ON THE PLAN VIEW.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. Wentz 5-7-25
DATE

DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC. 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN PIKE, P.E. PHONE: 443-275-2485 EMAIL: RPIKE@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION

CONTRACT COMPLETION BOX

BURCH OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER
REVIEWED BY:
DATE REVIEWED:

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: N.A. PROFILE SCALE: N.A. N.A.

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

ESC 7 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.06	24111 PPO

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
EROSION AND SEDIMENT CONTROL NOTES
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

JOB ORDER NUMBER	300200006
SHEET 31 OF 302	
DRAWING NUMBER	2024 - 1344
FILE NO. 8	

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000066
PERMIT ISSUED DATE/TIME: 06/06/2025

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

DEFINITION

TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

PURPOSE

TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

CRITERIA

1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED, THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN.
2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING.
3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B AND MAINTAIN UNTIL THE NEXT SEEDING SEASON.

TEMPORARY SEEDING SUMMARY

HARDINESS ZONE (from figure B.3): 7b
SEED MIXTURE (from table B.1):

NO.	SPECIES	APPLICATION RATE (lb/ac)	SEEDING DATES	SEEDING DEPTHS	FERTILIZER RATE (10-20-20)	LIME RATE
	FOXTAIL MILLET (Setaria italica)	30 LBS.	5/1 - 8/14	1/2"	436 lb/ac (10 lb/1000 sf)	2 tons/ac (90 lb/1000 sf)
	ANNUAL RYEGRASS (Lolium perenne ssp. multiflorum)	40 LBS.	2/15 - 4/30 AND 8/15 - 11/30	1/2"		

NOTE:

1. SEEDING RATES FOR THE WARM-SEASON GRASSES ARE IN POUNDS OF PURE LIVE SEED (PLS). ACTUAL PLANTING RATES SHALL BE ADJUSTED TO REFLECT PERCENT SEED GERMINATION AND PURITY, AS TESTED. ADJUSTMENTS ARE USUALLY NOT NEEDED FOR THE COOL-SEASON GRASSES.

SEEDING RATES LISTED ABOVE ARE FOR TEMPORARY SEEDINGS, WHEN PLANTED ALONE. WHEN PLANTED AS A NURSE CROP WITH PERMANENT SEED MIXES DO NOT EXCEED MORE THAN 5% (BY WEIGHT) OF THE OVERALL PERMANENT SEEDING MIX.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

DEFINITION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

PURPOSE

TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

CRITERIA

A. SEED MIXTURES

1. GENERAL USE

A. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

B. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 - CRITICAL AREA PLANTING.

C. FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY.

D. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3 1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY .

2. TURFGRASS MIXTURES

A. AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.

B. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

I. KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE INTENSIVE MANAGEMENT. IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND AND EASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUEGRASS CULTIVARS SEEDING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.

II. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE MEDIUM TO INTENSIVE MANAGEMENT. CERTIFIED PERENNIAL RYEGRASS CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.

III. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT PRONE AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL SUN TO MEDIUM SHADE. RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE BLENDED.

IV. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED TURF AREA. MIXTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT. SEEDING RATE: 1 1/2 TO 3 POUNDS PER 1000 SQUARE FEET.

NOTES:

SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, "TURFGRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND"

CHOOSE CERTIFIED MATERIAL. CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC LINE

C. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES

WESTERN MD: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES: 5B, 6A)

CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 6B)

SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONES: 7A, 7B)

D. TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE STONES AND DEBRIS OVER 1 1/2 INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY.

E. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES.

PERMANENT SEEDING SUMMARY

HARDINESS ZONE (from figure B.3): 7b
SEED MIXTURE (from table B.3):

NO.	SPECIES	APPLICATION RATE (lb/ac)	SEEDING DATES	SEEDING DEPTHS	FERTILIZER RATE (10-20-20) N	P_2O_5	K_2O	LIME RATE
	KENTUCKY BLUEGRASS 10% TURF-TYPE TALL FESCUE 40% GRADE TALL FESCUE 30% PERENNIAL RYEGRASS 20%	350	2/15 - 4/30 AND 8/15 - 10/31	1/4 - 1/2 in.	45 POUNDS PER ACRE (1.0 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	2 tons/ac (90 lb/1000 sf)

NOTE: FOR THE PERIOD 5/1 - 8/14 ADD 17.5 lbs. FOXTAIL MILLET TO THE PERMANENT SEED MIX PER THE TEMPORARY SEED SUMMARY TABLE NOTE #1.

B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).

1. GENERAL SPECIFICATIONS

A. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.

B. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.

C. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.

D. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.

E. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL SCIENTIST PRIOR TO ITS INSTALLATION.

2. SOD INSTALLATION

A. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL, LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD.

B. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.

C. WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE UNDERLYING SOIL SURFACE.

D. WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT HOURS.

3. SOD MAINTENANCE

A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO PREVENT WILTING.

B. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT.

C. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

H-5 STANDARDS & SPECIFICATIONS FOR DUST CONTROL

DEFINITION

CONTROLLING THE SUSPENSION OF DUST PARTICLES FROM CONSTRUCTION ACTIVITIES.

PURPOSE

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES TO REDUCE ON AND OFF-SITE DAMAGE INCLUDING HEALTH AND TRAFFIC HAZARDS.

CONDITIONS WHERE PRACTICE APPLIES

AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT.

SPECIFICATIONS

1. MULCHES: SEE SECTION B-4-2 SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS, SECTION B-4-3 SEEDING AND MULCHING, AND SECTION B-4-4 TEMPORARY STABILIZATION MULTCH MUST BE ANCHORED TO PREVENT BLOWING
2. VEGETATIVE COVER: SEE SECTION B-4-4 TEMPORARY STABILIZATION.
3. TILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT
4. IRRIGATION: SPRINKLE SITE WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. THE SITE MUST NOT BE IRRIGATED TO THE POINT THAT RUNOFF OCCURS.
5. BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
6. CHEMICAL TREATMENT: USE OF CHEMICAL TREATMENT REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

DAILY STABILIZATION NOTE

THIS NOTE SHOULD BE USED FOR MINIMAL AREAS WITHIN THE LIMITS OR DISTURBANCE THAT DO NOT DRAIN TO A SEDIMENT CONTROL MEASURE AND/OR WHERE THE INSTALLATION OF SEDIMENT CONTROLS IS NOT FEASIBLE. (ROAD WIDENING, SIDEWALK INSTALLATION, ETC.).

CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY.
STABILIZATION SHALL BE AS FOLLOWS;
1. FOR AREAS TO BE PAVED, THE APPLICATION OF STONE BASE.
2. FOR AREAS TO BE VEGETATIVELY STABILIZED:
A. PERMANENT SEED, AND SOIL STABILIZATION MATTING OR SOD FOR ALL STEEP SLOPES, CHANNELS OR SWALES.
B. PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.
ANY AREAS WHICH CAN NOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWNSLOPE SIDE.

INLET PROTECTION NOTES

THE CONTRACTOR IS REQUIRED TO INSTALL INLET PROTECTION ON ALL STORM DRAIN INLETS WITH THE EXCEPTION OF THE FOLLOWING:

1*. ANY INLET OUTFALLING DIRECTLY INTO A SEDIMENT TRAPPING DEVICE.

2. INLETS ON PRIVATE OR PUBLIC PAVED ROADWAYS OPEN TO THE PUBLIC.

ALL INLET PROTECTION WILL BE INSTALLED AS DIRECTED BY THE INSPECTOR IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PAGE E-23 (OR AS MAY BE AMENDED). THE REMOVAL OF ANY INLET PROTECTION DEVICES WILL REQUIRE APPROVAL FROM THE INSPECTOR.

* STORM DRAINS TO BE FLUSHED PRIOR TO TRAPPING DEVICE REMOVAL.

UTILITY NOTES

1. CONTRACTOR SHOULD OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY. IF TRENCH MUST REMAIN OPEN LONGER THAN ONE DAY, SILT FENCE SHALL BE PLACED BELOW (DOWNSLOPE OF) THE TRENCH.
2. PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
3. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.

INLET BYPASS NOTE

TO PREVENT BYPASS OF INLETS, PROVIDE DIVERSION MEASURES (EARTH BERM, STONE BERM, OR TEMPORARY ASPHALT BERM) TO DIRECT FLOWS TO INLETS

SEQUENCE OF CONSTRUCTION

NOTE: ALL REQUIRED STATE, FEDERAL, AND LOCAL PERMITS MUST BE OBTAINED PRIOR TO THE PRECONSTRUCTION MEETING.

PHASE I - EXISTING:

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS SEDIMENT CONTROL (BC-PAI-SC) (410)-887-3226 AT LEAST 48 HOURS PRIOR TO BEGINNING WORK AND THE CERTIFYING ENGINEER, MK CONSULTING ENGINEER'S LLC (667) 309-6193, AT LEAST 72 HOURS PRIOR TO REQUIRING AS BUILT INSPECTIONS.
2. IDENTIFY AND STAKE OUT LOD WITH APPROVAL FROM THE ESC INSPECTOR.
3. IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE, WHERE THE LIMIT IS WITHIN 50 FEET OF EXISTING TREE LINE. ORANGE HIGH VISIBILITY FENCE SHALL BE INSTALLED ALONG / AROUND ALL TREES TO BE SAVED. THIS WORK SHALL BE COMPLETED BY AND INSPECTED AT THE PRE-CONSTRUCTION MEETING.
4. CONTACT MISS UTILITY AT (1-800-257-7777) AT LEAST (3) DAYS IN ADVANCE OF STARTING WORK ON PLANS.
5. CONTRACTOR SHALL CLEAR AND GRUB FOR AND INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM, PARTIAL TAB WITH CURB OPENING AND PERIMETER ESC CONTROLS AS WELL AS AN AT-GRADE INLET PROTECTION AT EX I-2 AS SHOWN ON SHEET C8.00. INITIALLY, EXTEND SSF TO TAB AND MAINTAIN POSITIVE DRAINAGE THROUGH CURB CUT TO SSF. PERFORM GRADING TO INSTALL TEMPORARY GRAVEL PARKING AREA DURING THREE (3) DAY DRY WEATHER PERIOD. RESET SCE AND TAB AS REQUIRED AND MAINTAIN POSITIVE DRAINAGE TO SSF FROM ENTRANCE. STABILIZE WITH SEED AND SOIL STABILIZATION MATTING. PROVIDE HIGH VISIBILITY FENCING TO DELINEATE CONSTRUCTION TRAFFIC FROM POLICE ACCESS.
6. NOTIFY BC-PAI-SC INSPECTOR OF COMPLETION OF INSTALLATION OF ABOVE CONTROLS. WITH HIS/HER PERMISSION DEMOLISH 1-STORY METAL ANNEX BUILDING. THE PROPOSED CONCRETE ENCASED 6" SANITARY PIPE PARALLEL TO RETAINING WALL SHALL BE INSTALLED AND COMPLETED PER UTILITY PLAN (SHEET C7.00) AND PROFILE (SHEET C7.03) PRIOR TO RELOCATING EXISTING UTILITIES. RELOCATE EXISTING UTILITY SERVICES ENSURING 4' MIN. COVER OVER TEMPORARY WATER LINES AND MIN. 3' COVER OVER TEMPORARY GAS AND ELECTRIC. MAINTAIN CLEARANCE FROM FUTURE RETAINING WALL INSTALLATION.

NOTE: ANY SERVICE DISRUPTIONS THAT MAY BE REQUIRED FOR TIE-INS OR RELOCATIONS SHALL BE COORDINATED WITH PRECINCT CHIEF PRIOR TO PERFORMING WORK. CONTRACTOR SHALL LOCATE AND TEST PIT EXISTING UTILITIES AS REQUIRED TO VERIFY INSTALLATION PER DESIGN CAN BE ACCOMPLISHED WITHOUT CONFLICT.

7. UPON COMPLETION OF RELOCATION OF EXISTING UTILITIES AND WITH BC-PAI-SC INSPECTOR'S PERMISSION, INSTALL PIPE OUTLET SEDIMENT TRAP #1. THE RETAINING WALL RUNNING ALONG THE DOWNSTREAM SIDE OF THE TRAP EMBANKMENT SHALL BE INSTALLED AS SHOWN ON C8.04. REFER TO WALL MANUFACTURER'S DESIGN FOR WALL. INSTALLATION OF PROPOSED 24" STORM DRAIN PIPE OUTFALLING FROM EX. SWM MANHOLE AS WELL AS REPLACEMENT OF EX. MH-1 SHALL OCCUR AS A PART OF THE TRAP INSTALL. FOR 24" PIPE IN RIGHT-OF-WAY, SEE SHEET C9.06. INSTALL TEMPORARY CMP RISER T-1, TEMPORARY 15" CMP SPILLWAY, GABION INFLOW PROTECTIONS (3), HORIZONTAL DRAW-DOWN DEVICE, REMOVABLE PUMPING STATION WITH FILTER BAG AND BAFFLE BOARD. REPLACE PORTION OF SSF NEAR TEMPORARY GRAVEL PARKING AREA WITH SFD, TIE SFD INTO EXISTING GP AND EXTEND TAB TO ULTIMATE LENGTH, MAINTAINING POSITIVE DRAINAGE TO SFD AND TRAP #1 FROM SCE. REMOVE EXISTING INLET (I-1) AND EXISTING STORM DRAIN PIPE UP TO THE NEAREST DOWNSTREAM JUNCTION POINT OF THE EXISTING PRECINCT BUILDING ROOF DRAIN CONNECTIONS PER SHEET C8.00 TO FACILITATE TRAP INSTALLATION. REMOVE 9' WIDE SECTION OF EXISTING CURB BEHIND EXISTING INLET (I-1) TO ALLOW RUNOFF TO ENTER GABION INFLOW PROTECTION. SPOIL FROM EXCAVATION OF PIPE OUTLET SEDIMENT TRAP #1 TO BE STOCKPILED AS SHOWN ON SHEET C8.00.

NOTES:
A. PIPE OUTLET SEDIMENT TRAP #1 TO BE BUILT AS SHOWN ON SHEET C8.04 AND PER DETAILS ON SHEET C8.05.

B. FILTER BAG WILL BE USED TO DEWATER PIPE OUTLET SEDIMENT TRAP #1 FOR MAINTENANCE PURPOSES; SUCH AS FOR CLEAN OUT OPERATIONS AND AT TIME OF REMOVAL. FILTER BAGS AND PORTABLE SEDIMENT TANKS (PST's) / SUMP PITS MAY BE USED AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR TO DEWATER OTHER SUMP AREAS.

C. CONTRACTOR SHALL CLEAN OUT PIPE OUTLET SEDIMENT TRAP #1 AFTER EACH RAIN EVENT.

8. NOTIFY BC-PAI-SC UPON COMPLETION OF SAID INSTALLATION.
9. WITH THE APPROVAL OF BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR, INSTALL ALL FLOW DIVERSION MEASURES AS SHOWN ON SHEET C8.00. ENSURE POSITIVE DRAINAGE ALONG ALL MEASURES, ESPECIALLY SUPER FENCE DIVERSION LOCATED NEAR FUTURE RETAINING WALL (SOUTHWEST CORNER OF LOD). GRADE AREAS ALONG DIVERSION FENCE AS SHOWN.

~~NOTE FOR TEMPORARY TRAPPING DEVICES:~~
~~THE ENGINEER IN CHARGE, OR GEOTECHNICAL ENGINEER SHALL PROVIDE A CERTIFICATION TO THE SEDIMENT CONTROL INSPECTOR THAT THE TEMPORARY SEDIMENT BASIN, OR TEMPORARY TRAP HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN PRIOR TO PROCEEDING TO THE NEXT SEQUENCE STEP.~~

PHASE I - FINAL:

10. WITH THE APPROVAL OF THE BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB THE REMAINDER OF THE SITE PER SHEET C2.01 AND C8.01 AND DEMO REMAINING EXISTING SITE FEATURES WITHIN THE LOD, AS IDENTIFIED ON SAME SHEET INCLUDING PLUGGING OF EXISTING PUBLIC SANITARY SEWER AT WILKENS AVE. RELOCATE EXISTING GENERATOR TO TEMPORARY LOCATION ON SHEET C8.01 AND ITS ASSOCIATED FUEL TANK. EXPAND SEDIMENT TRAP THROUGH GRADING AS SHOWN ON SHEET C8.01. ADJUST/EXTEND GABION INFLOW PROTECTIONS AS SHOWN. ADJUST SFD IN THIS AREA TO NEW ALIGNMENT. HAUL OFF EXCAVATED SPOILS TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND OPEN GRADING PERMIT.
11. BEGIN GRADING OPERATIONS. GRADE SITE TO GRADES SHOWN ON SHEET C8.01. INSTALL RETAINING WALLS SHOWN ON SHEET C8.01 PER TW/BW SPOT GRADES SHOWN ON GRADING PLAN (SHEET C3.00) AND THE STRUCTURAL DESIGNER'S PLANS. AS EXCAVATION FOR THE RETAINING WALL OCCURS, GRADE OUT BUILDING PAD AS SHOWN ON BUILDING PAD GRADING INSET ON SHEET C8.01. TEMPORARILY AND/OR PERMANENTLY STABILIZE AREAS AS REQUIRED. TEMPORARY SOIL STABILIZATION MATTING - CHANNEL APPLICATION SHALL BE USED FOR SWALES ON TOP OF WALL. THIS MATTING TO REMAIN UNTIL LANDSCAPE IS INSTALLED.
12. BEGINNING AT MH-6, INSTALL STORM DRAIN RUN TO MH-12, AND FROM MH-9 TO I-7. IN MH-6, BRICK UP STUB OPENING FOR PIPE FROM FUTURE MH-7. IN MH-8, BRICK UP STUB OPENING FOR PIPE FROM FUTURE I-4. INSTALL STORM DRAIN RUN FROM MH-2 TO TD-2, CO-3 AND I-8. INSTALL TEMPORARY PIPE SHOWN OUTFALLING FROM MH-2. INSTALL MH-2 TO I-2. INSTALL TEMPORARY ASPHALT CURB FROM I-2 TO CORNER PAST TEMPORARY 15" FLEX PIPE NEXT TO PROP. BUILDING PER SHEET C8.01. CORE INTO MH-6 AND INSTALL TEMPORARY 15" PIPE. EXTEND PIPE TO TRAP #1 BOTTOM. TERMINATE WITH 15" END SECTION AND ROCK OUTLET PROTECTION. ENSURE MIN. 2 FOOT COVER OVER PIPES AT ALL TIMES. INSTALL 10" HDPE FOR BUILDING ROOF DRAINAGE AS SHOWN ON SHEET C8.01. PIPE SHALL DAYLIGHT IN GABION INFLOW PROTECTION AT APPROXIMATELY EL. 272.00. STUB UPSTREAM END OF PIPE 5' FROM PROP. BUILDING AND INSTALL WITNESS BOARD AT CO-1. INSTALL TEMPORARY 4" PVC AND TEMPORARY CO-1 AND TEMPORARY CO-2. SEE SHEET C8.02 FOR VERTICAL ALIGNMENT.

NOTE: ALL TOPS OF CLEANOUTS SHALL BE CLEARLY VISIBLE, ABOVE WORKING GRADE, AT ALL TIMES. IF NECESSARY, MARK LOCATIONS ABOVE GRADE TO AVOID COVERING DURING GRADING.

13. MAKE PROPOSED 8" WATER LINE CONNECTION IN WALKER AVENUE AND INSTALL WATER METER PER APPROVED PUBLIC PLANS. COORDINATE THIS WORK WITH PRECINCT CHIEF AS IT WILL IMPACT ACCESS AND USE OF TEMP. GRAVEL PARKING AREA. FROM METER, INSTALL PRIVATE WATER LINE PER SHEETS C7.00 AND C7.03. TERMINATE AND CAP LINE 5' FROM BUILDING FACE. RELOCATE FIRE HYDRANT IN WALKER AVE. PER APPROVED PUBLIC PLANS. INSTALL PROPOSED ELECTRIC PER ELECTRICAL SITE PLAN (BY MEP). REFER TO DAILY STABILIZATION AND UTILITY NOTES FOR UTILITY WORK SO AS TO NOT LEAVE ANY OPEN TRENCHES AT THE END OF THE DAY. WIDEN ENTRANCE FROM WALKER AVE. PER APPROVED PUBLIC PLANS. INSTALL SUBBASE AND BASE COURSE PAVING UP TO TEMPORARY GRAVEL PARKING, WHEN FINAL GRADING IS SET. RESET TAB AND SFD AFTER WIDENING OF ENTRANCE, SEE SHEET C8.01.

NOTE: ALL EXISTING SERVICES TO EX. POLICE STATION MUST REMAIN FUNCTIONAL THROUGHOUT NEW BUILDING CONSTRUCTION. ANY SERVICE DISRUPTIONS THAT MAY BE REQUIRED FOR TIE-INS OR RELOCATIONS SHALL BE COORDINATED WITH PRECINCT CHIEF PRIOR TO PERFORMING WORK. CONTRACTOR SHALL LOCATE AND TEST PIT EXISTING UTILITIES AS REQUIRED TO VERIFY INSTALLATION PER DESIGN CAN BE ACCOMPLISHED WITHOUT CONFLICT.

**** STEPS 11 THROUGH 13 MAY BE PERFORMED CONCURRENTLY.

14. NOTIFY BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF SAID UTILITY CONSTRUCTION.
15. INSTALL CURB AND GUTTER TO LIMITS SHOWN ON C8.01 AND CORRESPONDING PAVEMENT PER C5.01. INSTALL HARDSCAPING AND FINE GRADE AS NECESSARY. PERMANENTLY STABILIZE ALL AREAS COMPLETED IN THIS PHASE. INSTALL LANDSCAPING WITHIN THE LIMITS OF THIS PHASE PER LANDSCAPE SHEETS BY MAHAN RYKIEL ASSOCIATES. A SUBSTANTIAL AREA OF STONE SUBBASE SHALL BE INSTALLED TO THE SATISFACTION OF THE S.C. INSPECTOR TO ALLOW FOR PARKING, STAGING, AND ACCESS PRIOR TO BUILDING CONSTRUCTION.
16. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, BEGIN NEW BUILDING CONSTRUCTION AT THIS TIME. PROVIDE SUMP PIT(S) TO DEWATER FOUNDATION EXCAVATIONS AS REQUIRED.
17. NOTIFY BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF WORK IN THIS PHASE.
18. WITH THE APPROVAL OF BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS, SEDIMENT CONTROL AND THE SEDIMENT CONTROL INSPECTOR, PROCEED TO PHASE II.

PHASE II - EXISTING:

19. DEMOLISH REMAINDER OF EXISTING SITE PER SHEET C2.02 AND C8.02 INCLUDING TEMPORARY SERVICES THAT WERE REROUTED IN PHASE I - EXISTING AND EXISTING WATER IN WILKENS AVE. INSTALL A NEW SCE OFF WALKER AVE AND REMOVE EX. SCE AT WALKER AVENUE. MAINTAIN POSTIVE DRAINAGE TO P.O.S.T. #1. ABANDON TEMPORARY 4" PVC AND TEMP. CO-1 AND TEMP. CO-2.
20. NOTIFY BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR UPON DEMO COMPLETION.

PHASE II - FINAL:

21. WITH BC-PAI-SC INSPECTOR'S APPROVAL, INSTALL REMAINING UTILITIES. INSTALL CURB AND GUTTER AND GRADE REMAINING AREAS. INSTALL SITE LANDSCAPING AND WALLS PER PLANS BY MAHAN RYKIEL ASSOCIATES. AS GRADES ARE RAISED AND REMAINING STRUCTURAL RETAINING WALLS PER GRADING PLAN AND STRUCTURAL DESIGNER PLANS AND UTILITIES ARE INSTALLED, SHORTEN AND/OR REMOVE GABION INFLOW PROTECTION AT THE DISCRETION OF THE BC-PAI-SC INSPECTOR. SEE SHEET C8.03. INSTALL SCE OFF WALKER AVE. AS SHOWN ON C8.03 TO ALLOW FOR ACCESS TO P.O.S.T. #1 FOR CONVERSION TO SWM FACILITY. REMOVE EX. STABILIZED CONSTRUCTION ENTRANCE AND TEMPORARY GRAVEL PARKING.
22. INSTALL REMAINING HARDSCAPE AND PAVEMENT. PERMANENTLY STABILIZE ALL AREAS DISTURBED IN THIS PHASE. INSTALL SIGNAGE, FENCING AND GATES.
23. NOTIFY BC-PAI-SC AND THE SEDIMENT CONTROL INSPECTOR UPON PERMANENT STABILIZATION OF REMAINING DISTURBED AREAS.
24. WITH THE BC-PAI-SC INSPECTOR'S APPROVAL, AND DURING A THREE (3) DAY DRY WEATHER FORECAST, BEGIN CONVERSION OF SEDIMENT TRAP #1 TO SUBMERGED GRAVEL WETLAND #1 PER THE APPROVED SWM PLANS. REFERENCE STORMWATER MANAGEMENT SEQUENCE OF CONSTRUCTION (SHEET C9.10) AND FACILITY PLANS, SECTIONS AND DETAILS (SHEETS C9.06 - C9.09).

NOTES FOR SEDIMENT TRAP CONVERSION:

A. FLUSH STORM DRAIN SYSTEMS. DEWATER THROUGH RPS AND FILTER BAG AND PERFORM FINAL SEDIMENT TRAP CLEANOUT.

B. REMOVE BAFFLE BOARDS, HORIZONTAL DRAW-DOWN DEVICE AND TEMPORARY RISER AND BARREL. INSTALL PERMANENT RISER AND BARREL PER PLAN/PROFILE ON C9.06 AND PER RISER DETAIL ON SHEET C9.08 AND PREPARE GROUND TO SHAPE UP EMBANKMENT FOR SWM FUNCTION PER APPROVED STORMWATER MANAGEMENT PLANS. REMOVE TEMP. 15" CMP DRAINS AND OUTFALLS AND COMPLETE INSTALLATION OF PERMANENT STORM DRAIN OUTFALLS FROM MH-2 TO EW-1 AND MH-3 TO EW-2. INSTALL PROPOSED CONCRETE CURB AND GUTTER, MOW STRIP, FENCE, AND BUILDING MOW STRIP AS SHOWN ON SHEET C8.04.

C. TAKE SPOIL MATERIAL OFF-SITE TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND OPEN GRADING PERMIT.

D. RE-GRADE AREA TO GRADES SHOWN ON APPROVED STORMWATER MANAGEMENT PLANS (SHEET C9.06) THEN EXCAVATE TO BOTTOM OF FACILITY DEPTH AS SHOWN ON SHEET C9.06.

E. BEGIN BACKFILLING WITH #57 STONE UP TO DESIGN ELEVATION ON APPROVED STORMWATER MANAGEMENT PLANS (SHEET C9.06) THEN EXCAVATE TO BOTTOM OF FACILITY DEPTH AS SHOWN ON SHEET C9.06.

F. UNDER DRY WEATHER FORECAST AND SUPERVISED BY THE GEOTECHNICAL ENGINEER, BACKFILL WITH SPECIFIED PLANTING SOIL PER MATERIALS LISTED IN TABLE B.4.1 ON SHEET C9.10.

G. STABILIZE/PLANT PER THE APPROVED STORMWATER MANAGEMENT LANDSCAPE PLANS (BY MAHAN RYKIEL).

25. UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.
26. SUBMIT SWM AS-BUILTS TO BALTIMORE COUNTY DEPS WITHIN 30 DAYS OF COMPLETION OF SWM FACILITY.

H-1 STANDARDS AND SPECIFICATIONS FOR MATERIALS

Table H.1: Geotextile Fabrics

PROPERTY	TEST METHOD	WOVEN SLIT FILM GEOTEXTILE MD	WOVEN SLIT FILM GEOTEXTILE CD	WOVEN MONOFILAMENT GEOTEXTILE MD	WOVEN MONOFILAMENT GEOTEXTILE CD	NONWOVEN GEOTEXTILE MD	NONWOVEN GEOTEXTILE CD
		MINIMUM AVERAGE ROLL VALUE[1]					
Grab Tensile Strength	ASTM D-4632	200 lb	200 lb	370 lb	250 lb	200 lb	200 lb
Grab Tensile Elongation	ASTM D-4632	15%	10%	15%	15%	50%	50%
Trapezoidal Tear Strength	ASTM D-4533	75 lb	75 lb	100 lb	60 lb	80 lb	80 lb
Puncture Strength	ASTM D-6241	450 lb		900 lb		450 lb	
Apparent Opening Size[2]	ASTM D-4751	U.S. Sieve 30 (0.59 mm)		U.S. Sieve 70 (0.21 mm)		U.S. Sieve 70 (0.21 mm)	
Permittivity	ASTM D-4491	0.05 sec^{-1}		0.28 sec^{-1}		1.1 sec^{-1}	
Ultraviolet Resistance Retained at 500 hours	ASTM D-4355	70% strength		70% strength		70% strength	

[1] All numeric values except apparent opening size (AOS) represent minimum average roll values (MARV). MARV is calculated as the typical minus two standard deviations. MD is machine direction; CD is cross direction.

[2] Values for AOS represent the average maximum opening.

Geotextiles must be evaluated by the National Transportation Product Evaluation Program (NTPEP) and conform to the values in Table H.1.

The geotextile must be inert to commonly encountered chemicals and hydrocarbons and must be rot and mildew resistant. The geotextile must be manufactured from fibers consisting of long chain synthetic polymers and composed of a minimum of 95 percent by weight of polyolefins or polyesters, and formed into a stable network so the filaments or yarns retain their dimensional stability relative to each other, including selvages.

When more than one section of geotextile is necessary, overlap the sections by at least one foot. The geotextile must be pulled taut over the applied surface. Equipment must not run over exposed fabric. When placing riprap on geotextile, do not exceed a one foot drop height.

ENGINEER'S CERTIFICATION

"I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT AND THE CURRENT STATE OF MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER."

Ryan J Pike — SIGNATURE
04/07/2025 — DATE

RYAN J. PIKE, PE — PRINT NAME
#51066 — MD LICENSE NUMBER

OWNER'S / DEVELOPER'S CERTIFICATION:

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ONSITE EVALUATION BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.

Angela Doss — SIGNATURE
04/07/2025 — DATE

ANGELA DOSS — PRINT NAME
PROPERTY MANAGER — TITLE

Table H.2: Stone Size

TYPE	SIZE RANGE	d_{50}	d_{100}	AASHTO	MIDSIZE WEIGHT[3]
NUMBER 57[1]	3/8 to 1 ½ inch	½ in	1 ½ in	M-43	N/A
NUMBER 1	2 to 3 inch	2 ½ in	3 in	M-43	N/A
RIPRAP[2] (CLASS 0)	4 to 7 inch	5 ½ in	7 in	N/A	N/A
CLASS I	N/A	9 ½ in	15 in	N/A	40 lb
CLASS II	N/A	16 in	24 in	N/A	200 lb
CLASS III	N/A	23 in	34 in	N/A	600 lb

[1] This classification is to be used on the upstream face of stone outlets and check dams.

[2] This classification is to be used for gabions.

[3] Optimum gradation is 50 percent of the stone being above and 50 percent below the midsize.

Stone must be composed of a well graded mixture of stone sized so that fifty (50) percent of the pieces by weight are larger than the size determined by using the charts. A well graded mixture, as used herein, is defined as a mixture composed primarily of larger stone sizes but with a sufficient mixture of other sizes to fill the smaller voids between the stones. The diameter of the largest stone in such a mixture must not exceed the respective d_{100} selected from Table H.2. The d_{50} refers to the median diameter of the stone. This is the size for which 50 percent, by weight, will be smaller and 50 percent will be larger.

Note: Recycled concrete equivalent may be substituted for all stone classifications for temporary control measures only. Concrete broken into the sizes meeting the appropriate classification, containing no steel reinforcement, and having a minimum density of 150 pounds per cubic foot may be used as an equivalent.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West — 5-7-25 DATE

DWG. FILENAME:

SEAL: STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM
DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
			R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: N/A	PROFILE SCALE: N/A N/A
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: ______ PROPERTY MANAGER
DATE: ______

SUBDIVISION: WILKENS

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EROSION AND SEDIMENT CONTROL NOTES

NEW BUILDING DESIGN

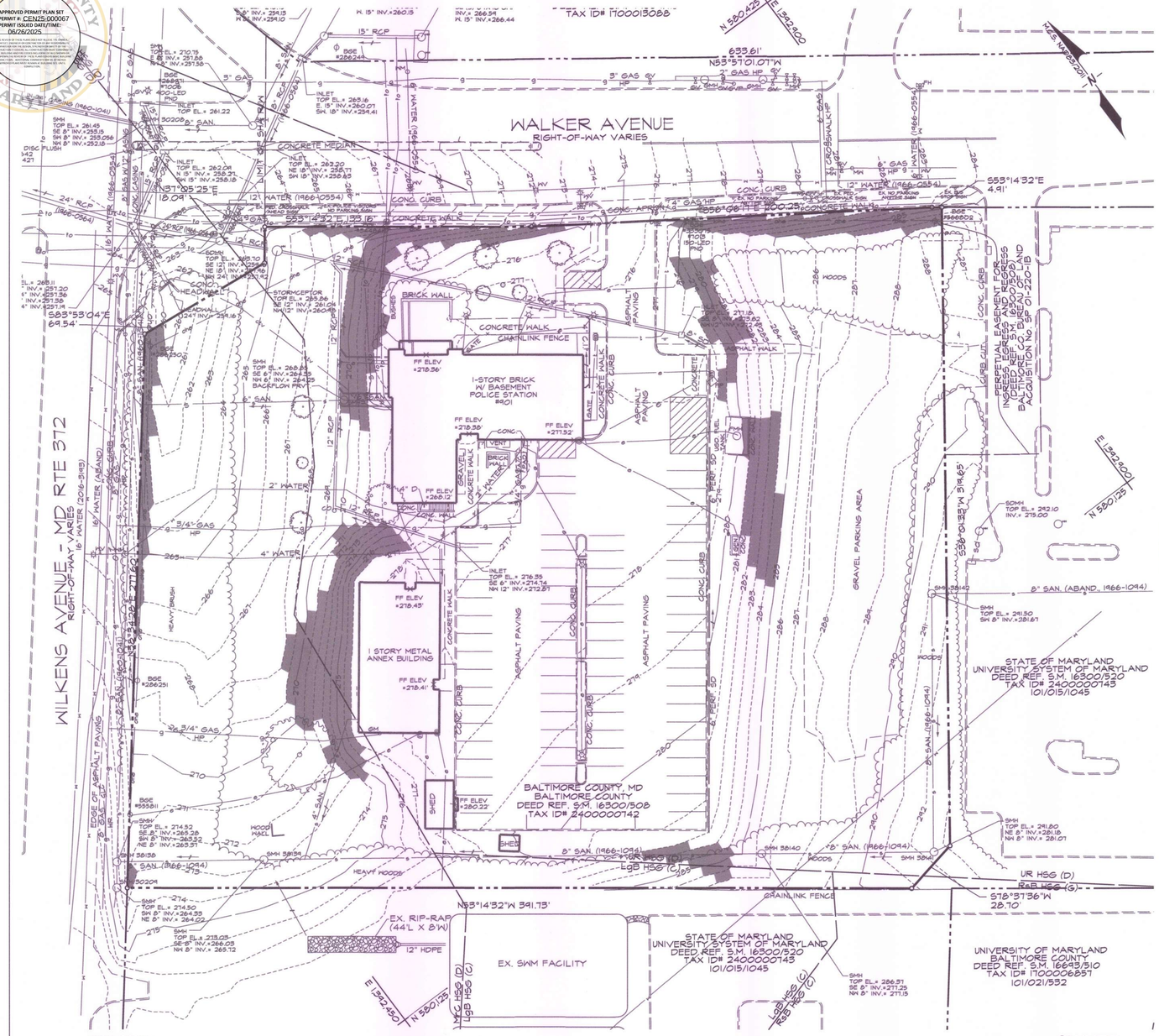
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

ESC 8 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.07	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 32 OF 302
	DRAWING NUMBER: 2024 - 1345
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025
THE ISSUE OF THIS PLANS DOES NOT ALLOW THE OWNER, CONTRACTOR OR DEVELOPER TO VIOLATE ANY PROVISIONS OF THE BALTIMORE COUNTY CODE, STATE REGULATIONS OR FEDERAL LAWS. ANY VIOLATIONS MAY RESULT IN THE REVOCATION OF THE PERMIT AND ALL APPROVALS. ALL CONSTRUCTION SHALL CONFORM TO THE APPROVED PLANS AND TO NOAA'S ATLAS 14 VOL. 2 (2004) (TP40).



STORMWATER MANAGEMENT NATURAL RESOURCES PLAN
SCALE: 1" = 30'

STORMWATER MANAGEMENT SHEET INDEX

SWM SHEET #	DWG#	DRAWING TITLE
1 OF 17	C4.00	STORMWATER MANAGEMENT NATURAL RESOURCES PLAN
2 OF 17	C4.01	STORMWATER MANAGEMENT EXISTING IMPERVIOUS AREA MAP
3 OF 17	C4.02	STORMWATER MANAGEMENT PROPOSED IMPERVIOUS AREA MAP
4 OF 17	C4.03	STORMWATER MANAGEMENT PLAN
5 OF 17	C4.04	STORMWATER MANAGEMENT EXISTING QUANTITY MANAGEMENT DA MAP
6 OF 17	C4.05	STORMWATER MANAGEMENT PROPOSED QUANTITY MANAGEMENT DA MAP
7 OF 17	C4.06	SUBMERGED GRAVEL WETLAND FACILITY #1
8 OF 17	C9.07	SWM DETAILS
9 OF 17	C9.08	SWM DETAILS
10 OF 17	C9.09	SWM DETAILS
11 OF 17	C9.10	SWM NOTES & DETAILS
12 OF 17	C9.11	SWM NOTES & DETAILS
13 OF 17	C9.12	BORING LOGS
14 OF 17	C9.13	BORING LOGS
15 OF 17	L7.02	LANDSCAPE - PLANTING PLAN
16 OF 17	L7.10	LANDSCAPE - PLANTING DETAILS
17 OF 17	L7.20	LANDSCAPE - PLANTING SCHEDULE

OWNER
BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS
@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

ADDRESS
WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

ENGINEER'S CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED BY ME OR UNDER MY SUPERVISION AND MEETS THE MINIMUM STANDARDS OF THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.

SIGNATURE — 51066 MD LICENSE NO.
RYAN PIKE PRINT NAME — 02/02/2025 DATE

CONTROL/BENCHMARK DATA
1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT
N: 580555.642 E 1392605.427

LANDOWNER'S/DEVELOPER'S CERTIFICATION
I/WE HEREBY CERTIFY THAT ALL WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE ACCOMPLISHED PURSUANT TO THESE PLANS. I/WE ALSO UNDERSTAND THAT IT IS MY/OUR RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF "AS-BUILT" PLANS WITHIN (30) DAYS OF COMPLETION, BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER.

SIGNATURE OWNER/DEVELOPER — 02/25/2024 DATE
ANGELA DOSS PRINT NAME

CONSULTANT'S HAZARD CLASS CERTIFICATION
I CERTIFY THAT THIS POND MEETS ALL REQUIREMENTS FOR HAZARD CLASS (A,B, OR C) (REQUIREMENTS AS STATED IN THE USDA NATURAL CONSERVATION SERVICE MARYLAND, CONSERVATION PRACTICE STANDARD, CODE 378, JANUARY 2000). ALL NECCESSARY INVESTIGATIONS AND COMPUTATIONS HAVE BEEN PERFORMED TO VERIFY THIS FINDING. A COPY OF SAID INFORMATION HAS BEEN SUPPLIED TO BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND THE BALTIMORE SOIL CONSERVATION DISTRICT.

SIGNATURE — 51066 P.E. No.
RYAN PIKE PRINT NAME — 02/25/2024 DATE.

CERTIFICATION NOTE
TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON A BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY DIETZ SURVEYING INC., DATED 6/30/2023 AND AVAILABLE AS-BUILT PLANS PROVIDED BY BALTIMORE COUNTY DPW.

MCS DATUM
ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

CONTRACTOR'S "AS-BUILT" NOTE
AS-BUILT PLANS AND CERTIFICATIONS ARE REQUIRED FOR THIS STORMWATER MANAGEMENT FACILITY. THESE MUST BE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER. BALTIMORE COUNTY WILL NOT PERFORM THE INSPECTION OR PREPARE THE AS-BUILT PLANS OR CERTIFICATION. THE STORMWATER MANAGEMENT PERMIT SECURITY WILL NOT BE RELEASED UNTIL THE AS-BUILT PLANS AND CERTIFICATION ARE APPROVED BY BALTIMORE COUNTY.

IN ORDER TO PREPARE THE REQUIRED AS-BUILT PLANS AND CERTIFICATION, THIS STORMWATER MANAGEMENT FACILITY MUST BE INSPECTED BY THE ENGINEER AT SPECIFIC STAGES DURING CONSTRUCTION AS REQUIRED BY THE AMENDED BALTIMORE COUNTY CODE, TITLE 4, STORMWATER MANAGEMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK SHOWN ON THESE PLANS.

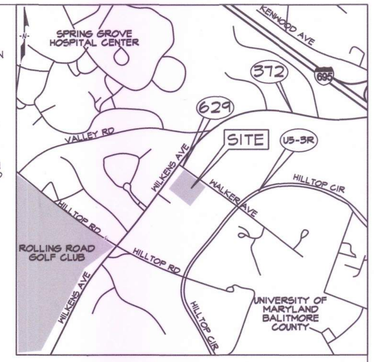
SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
LgB	LEGORE-MONTALTO-URBAN LAND COMPLEX	0-8%	NO	NOT RATED	C
MrC*	MOUNT LUCAS SILT LOAM	8-15%	NO	0.37	C/D
Ur	URBAN LAND	0-8%	NO	NOT RATED	D
RsB	RUSSETT FINE SANDY LOAM	2-5%	NO	0.28	C

*HIGHLY ERODIBLE SOIL

NATURAL RESOURCES INVENTORY

FEDERAL REGULATED			STATE REGULATED			LOCAL REGULATED		
PRESENT? (Y/N)	FEATURE	LEGEND SYMBOLOGY	PRESENT? (Y/N)	FEATURE	LEGEND SYMBOLOGY	PRESENT? (Y/N)	FEATURE	LEGEND SYMBOLOGY
NO	WETLANDS		NO	TIDAL & NON-TIDAL WETLANDS		YES	STEEP SLOPES	
NO	MAJOR WATERWAYS		NO	WETLANDS OF SPECIAL STATE		YES	HIGHLY ERODIBLE SOILS	SEE SOILS TABLE
NO	FLOODPLAINS		NO	WETLAND BUFFERS		NO	ENHANCED STREAM BUFFERS	
			NO	STREAM BUFFERS		YES	TOPOGRAPHIC SLOPES	25 / 84
			NO	PERENNIAL STREAMS		NO	SPRINGS	
			NO	FLOODPLAINS		NO	SEEPS	
			YES	FORESTS		NO	INTERMITTENT STREAMS	
			NO	FOREST BUFFERS		YES	VEGETATIVE COVER	
			NO	CRITICAL AREAS		YES	SOILS	LgB (D) RsB (C)
						NO	BEDROCK/ GEOLOGY	
						YES	EXISTING DRAINAGE AREA	SEE SHEET C9.04
						YES INSIDE LOD	EXISTING SWM FACILITIES	



VICINITY MAP
SCALE: 1" = 1,000'

LEGEND
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G EX. GAS MAIN
- FO EX. FIBER OPTIC / COMMUNICATION
- OHE EX. OVERHEAD ELECTRIC
- E EX. ELECTRIC
- 8" SAN. EX. SANITARY SEWER
- 15" RCP. EX. STORM DRAIN
- 8" WATER W EX. WATER
- X X X EX. FENCE
- EX. WOODS LINE
- NM HV EX. WATER METER, VALVE
- FH EX. FIRE HYDRANT
- SMH EX. SANITARY MANHOLE
- MH EX. STORM DRAIN MANHOLE
- CO EX. CLEANOUT
- GV EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- UR HSG (D) / RsB HSG (C) SOILS BOUNDARY LINE

#6348

APPROVED: _____ Chief
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SMALL POND 6-3-25 DATE
DISTRICT OFFICIAL — 062-4165-25 PLAN NO.
TECHNICAL REVIEW FOR THE DISTRICT
BY: BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY — 05.14.25 DATE

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR STORMWATER MANAGEMENT
DISTRICT OFFICIAL — 6-3-25 DATE — 062-4165-25 PLAN NO.
TECHNICAL REVIEW FOR THE DISTRICT
BY: BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY — 05.14.25 DATE

DWG. FILENAME:

SWM SHEET 1 OF 17

SEAL — STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER — DATE: 4/4/25

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: (410) 913-2685, EMAIL: RPIKE@MKCONSG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

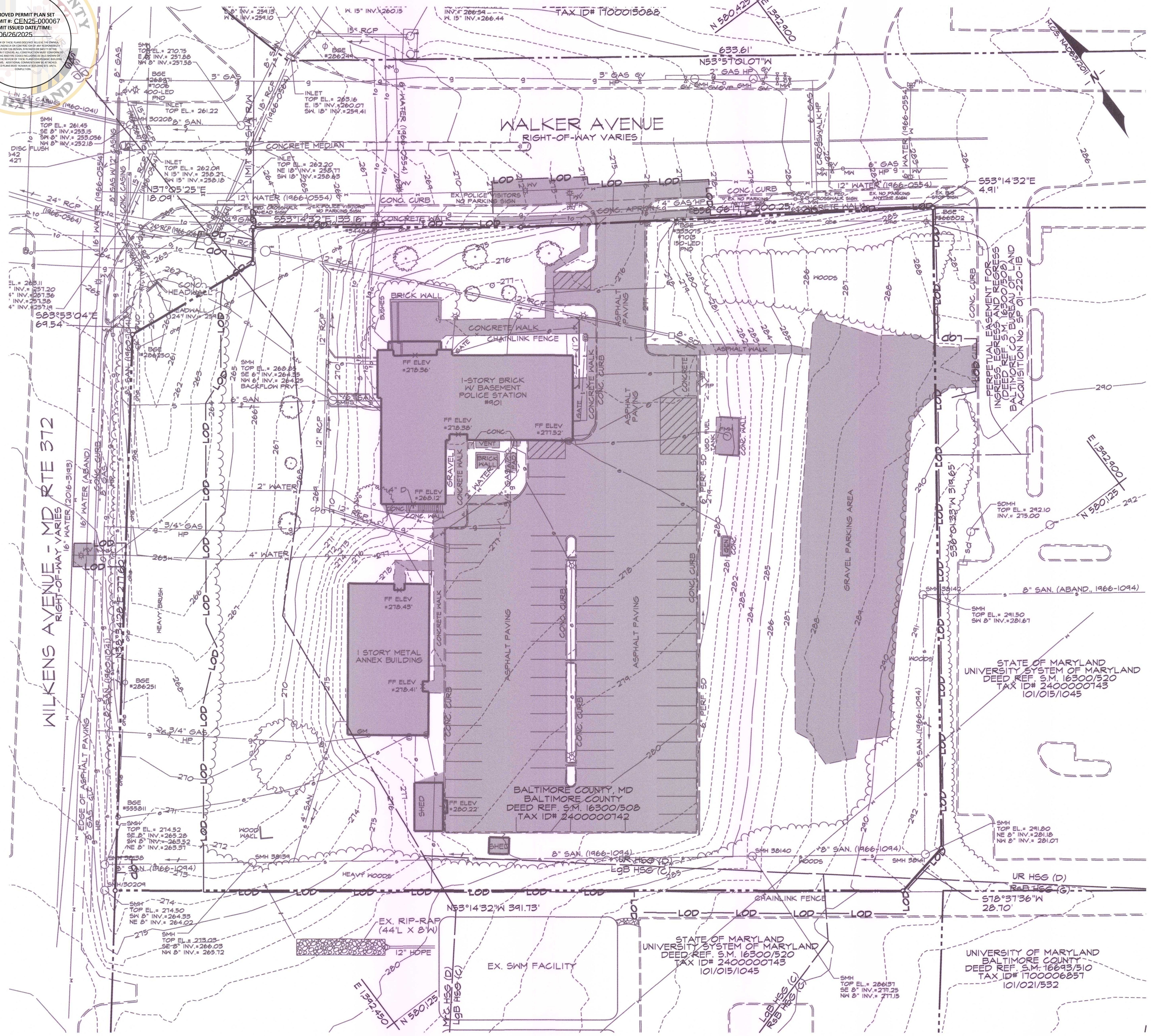
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: RJP							
DWN BY: RJP/SJG							
CHKD BY: RJP							
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO. — R.O.W NO. — KEY SHEET: GSW — POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20
DRAWING SCALE: PLAN SCALE: 1"=30' — PROFILE SCALE: N/A — N/A
PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
STORMWATER MANAGEMENT NATURAL RESOURCES PLAN
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION: C9.00
CONTRACT NUMBER: 24111 PPO
JOB ORDER NUMBER: 300200006
SHEET 33 OF 302
DRAWING NUMBER: 2024 - 1346
FILE NO.: 8

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
THE REVIEW OF THESE PLANS DOES NOT RELIEVE THE OWNER, ARCHITECT, ENGINEER OR CONTRACTOR OF ANY RESPONSIBILITY WHATEVER FOR THE DESIGN, STRENGTH OR SAFETY OF THE CONSTRUCTION IT COVERS. ALL CONSTRUCTION MUST CONFORM TO THE BUILDING AND FIRE CODES INCLUDING DETAILS SHOWN OR NOT SHOWN. THE REVIEW OF THESE PLANS COVERS BASIC BUILDING CODE ITEMS. ADDITIONAL COMMENTS MAY BE ATTACHED. APPROVED PLANS MUST REMAIN AT BUILDING SITE UNTIL COMPLETION.



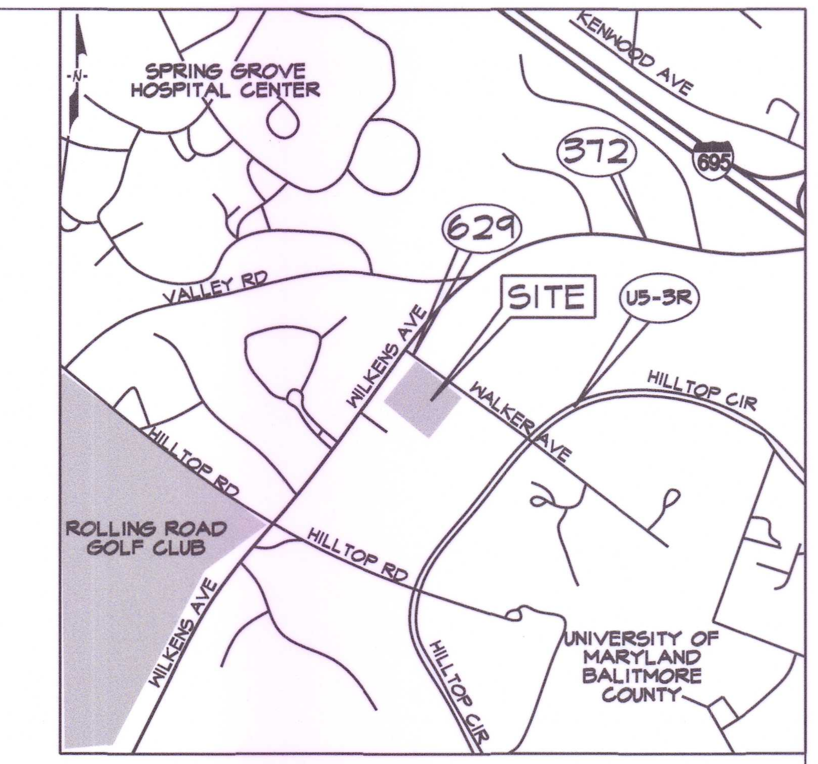
STORMWATER MANAGEMENT EXISTING IMPERVIOUS AREA MAP

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

STORMWATER MANAGEMENT GENERAL NOTES

1. UTILITIES AND TOPOGRAPHICAL FEATURES SHOWN ON THESE PLANS ARE ONLY FOR THE CONVENIENCE OF THE USER AND THERE IS NO WARRANTY OR GUARANTEE OF THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE USER OF THESE DRAWINGS MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
2. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH:
   A. BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS FOR CONSTRUCTION, DECEMBER 2007, ERRATA & ADDENDA.
   B. NATURAL RESOURCES CONSERVATION SERVICE OF MARYLAND STANDARDS AND SPECIFICATIONS, POND, CODE 378, JANUARY 2000.
   C. MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION JULY 2008, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
3. STORMWATER MANAGEMENT IS APPROVED UNDER BILL NO. 25-10.
4. THESE FACILITIES ARE PRIVATE AND SHALL BE MAINTAINED BY BALTIMORE COUNTY DPW.
5. ALL CONSTRUCTION MUST BE SUPERVISED BY A GEOTECHNICAL ENGINEER.
6. THE CONSTRUCTION SHOWN HEREON MUST BE CERTIFIED BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION OF THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. A GENERAL PERMIT FOR STORMWATER MANAGEMENT DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY (20-CP)IS REQUIRED TO BE PROCURED FROM MDE FOR THIS PROJECT. NO ADDITIONAL STATE PERMITS ARE REQUIRED.



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 — EX. INDEX CONTOUR
- 284 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. FIBER OPTIC / COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 8" WATER — EX. WATER
- x — EX. FENCE
- EX. WOODS LINE
- WM — EX. WATER METER
- WV — EX. WATER VALVE
- FH — EX. FIRE HYDRANT
- SMH — EX. SANITARY MANHOLE
- MH — EX. STORM DRAIN MANHOLE
- CO — EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- EX. IMPERVIOUS AREA

EXISTING CONDITION IMPERVIOUS AREA ANALYSIS

LIMIT OF DISTURBANCE: 125,356 SF. OR 2.88 AC.
EXISTING IMPERVIOUS AREA: 53,020 SF. OR 1.22 AC.

APPROVED: ____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

MCS DATUM

ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

SWM SHEET 2 OF 17

DWG. FILENAME:

SEAL: STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066, EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PIKE, PE
PHONE: 667-210-2485
EMAIL: RPIKE@MKCENG.COM

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1"=30'	APPROVED BY: ____ PROPERTY MANAGER
			R.O.W NO.			PROFILE SCALE:	N/A N/A	DATE:
CONTRACT COMPLETION BOX								

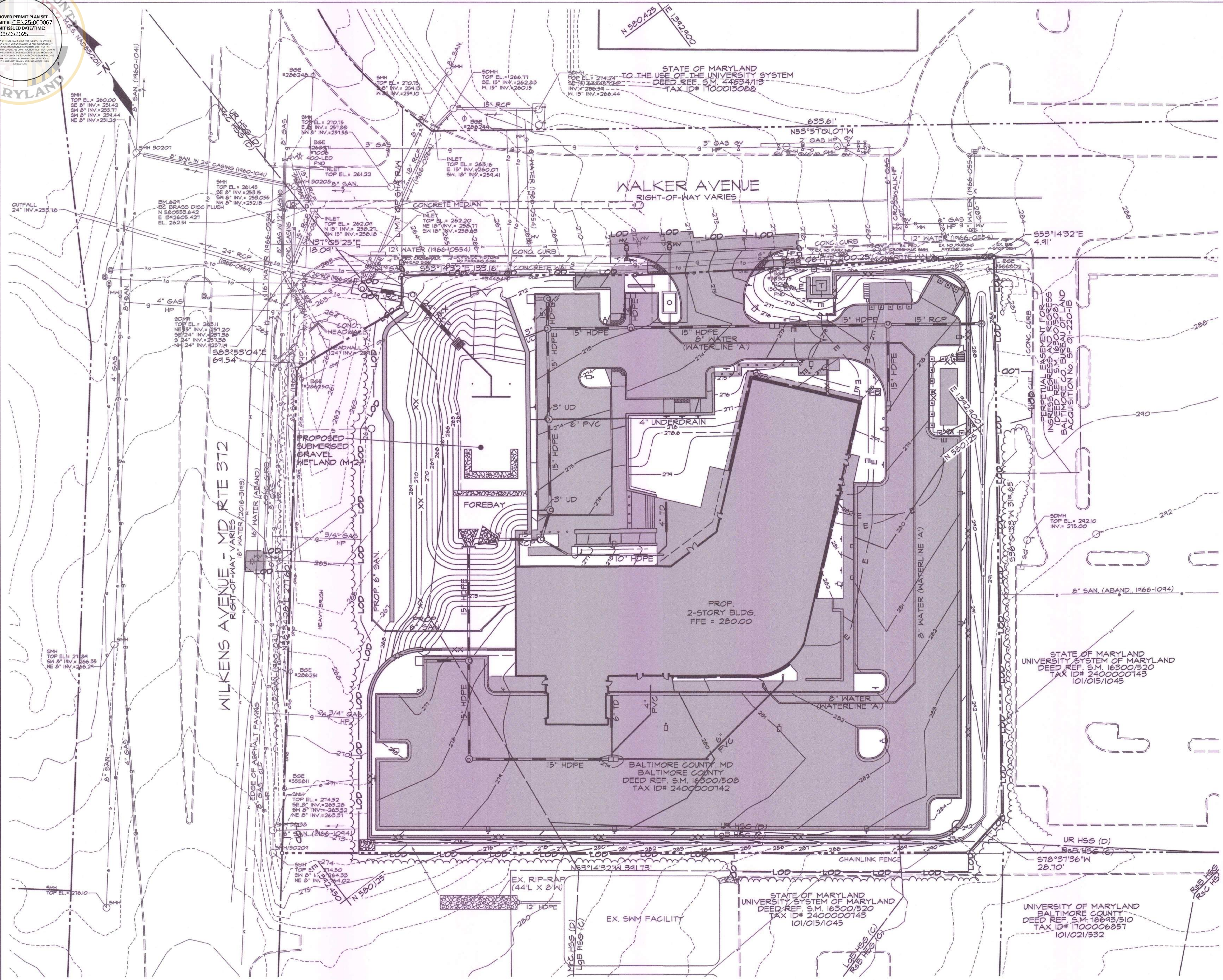
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
STORMWATER MANAGEMENT EXISTING IMPERVIOUS AREA MAP
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 34 OF 302
	DRAWING NUMBER
	2024 - 1347
	FILE NO.: 8

REV. 03/22

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025



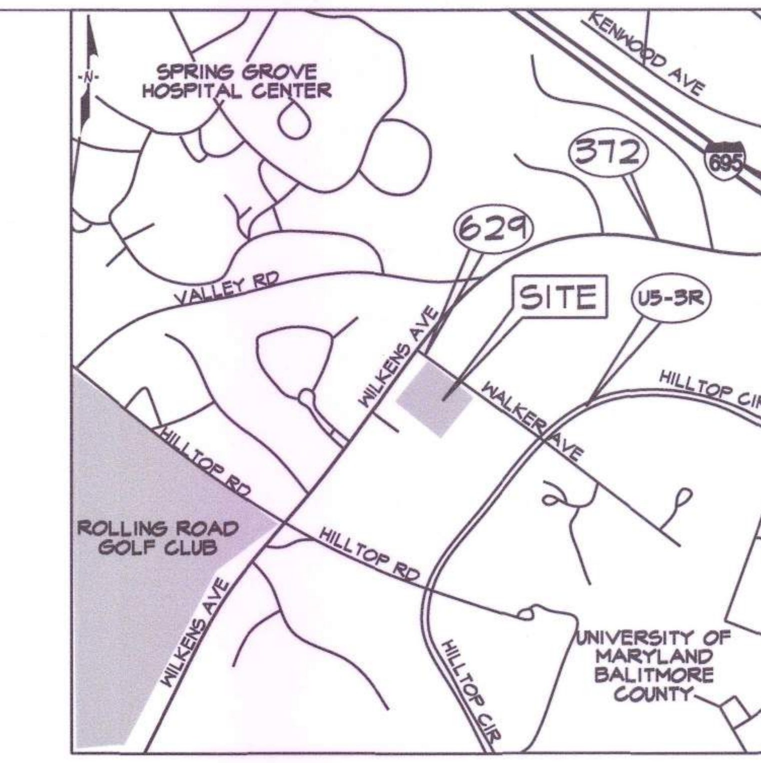
STORMWATER MANAGEMENT PROPOSED IMPERVIOUS AREA MAP

SCALE: 1" = 30'

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

LEGEND

— - - - —	PROPERTY LINE
— - - - —	ADJACENT PROPERTY LINE
— — —	EASEMENT LINE
—285—	EX. INDEX CONTOUR
- - -284- - -	EX. INTERMEDIATE CONTOUR
═══	EX. CURB AND GUTTER
—g—	EX. GAS MAIN
—fo—	EX. FIBER OPTIC / COMMUNICATION
—ohe—	EX. OVERHEAD ELECTRIC
—e—	EX. ELECTRIC
8" SAN.	EX. SANITARY SEWER
15" RCP.	EX. STORM DRAIN
8" WATER	EX. WATER
—x—x—x—	EX. FENCE
	EX. WOODS LINE
WM	EX. WATER METER
WV	EX. WATER VALVE
FH	EX. FIRE HYDRANT
SMH	EX. SANITARY MANHOLE
MH	EX. STORM DRAIN MANHOLE
CO	EX. CLEANOUT
	EX. GAS VALVE
	EX. SIGN
	EX. LIGHT POLE
	EX. TREE / BUSH
—LOD—	LIMIT OF DISTURBANCE
—270—	PROP. INDEX CONTOUR
—272—	PROP. INTERMEDIATE CONTOUR
	PROP. CONCRETE CURB & GUTTER
—XX——XX—	PROP. FENCE LINE
	PROP. WOODS LINE
	PROP. RETAINING WALL
	PROP. CONCRETE WALK
—E—	PROP. ELECTRIC SERVICE
PROP. 4" SAN.	PROP. SANITARY SEWER
8" WATER	PROP. WATER LINE
PROP. SD	PROP. STORM DRAIN LINE
	PROP. MANHOLE
	PROP. INLET
	PROPOSED IMPERVIOUS AREA



VICINITY MAP

SCALE: 1" = 1,000'

PROPOSED CONDITION IMPERVIOUS AREA ANALYSIS

LIMIT OF DISTURBANCE: 125,356 SF. OR 2.88 AC.
PROPOSED IMPERVIOUS AREA: 80,490 SF. OR 1.85 AC.

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GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS @BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: [signature]
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 3 OF 17

SEAL: STATE OF MARYLAND — RYAN J PIKE — 51066 — PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
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DGN BY: RJP
DWN BY: RJP/SJG
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AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1"=30'	APPROVED BY: PROPERTY MANAGER
			R.O.W NO.			PROFILE SCALE: N/A N/A	DATE:
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

STORMWATER MANAGEMENT PROPOSED IMPERVIOUS AREA MAP

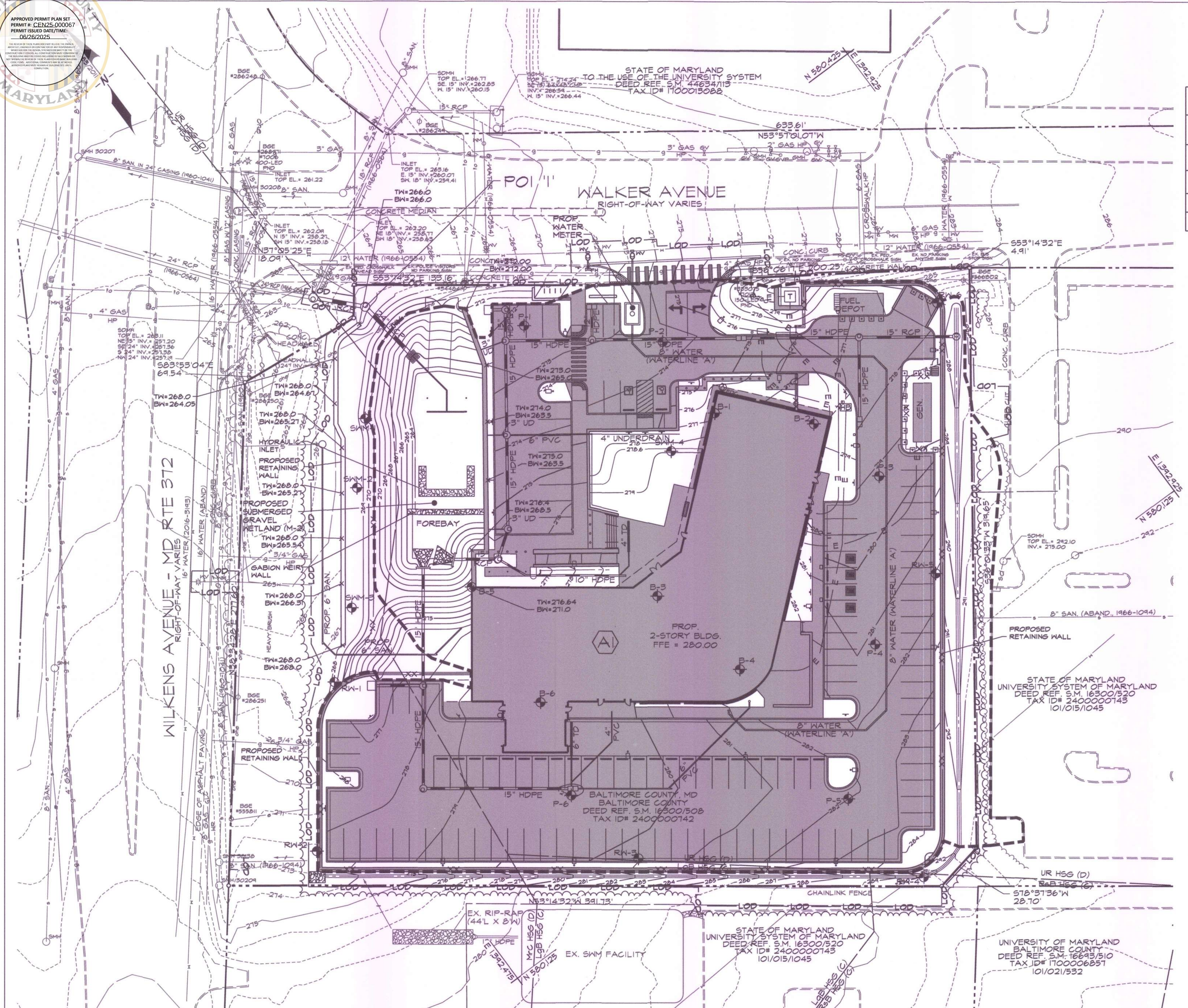
NEW BUILDING DESIGN

SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.02	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 35 OF 302
	DRAWING NUMBER: 2024 - 1348
	FILE NO.: 8

REV. 03/22

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025



STORMWATER MANAGEMENT PLAN

SCALE: 1" = 30'

GRAPHIC SCALE 30 0 15 30 60 (IN FEET) 1 inch = 30 ft.

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
LgB	LEGORE-MONTALTO-URBAN LAND COMPLEX	0-8%	NO	NOT RATED	C
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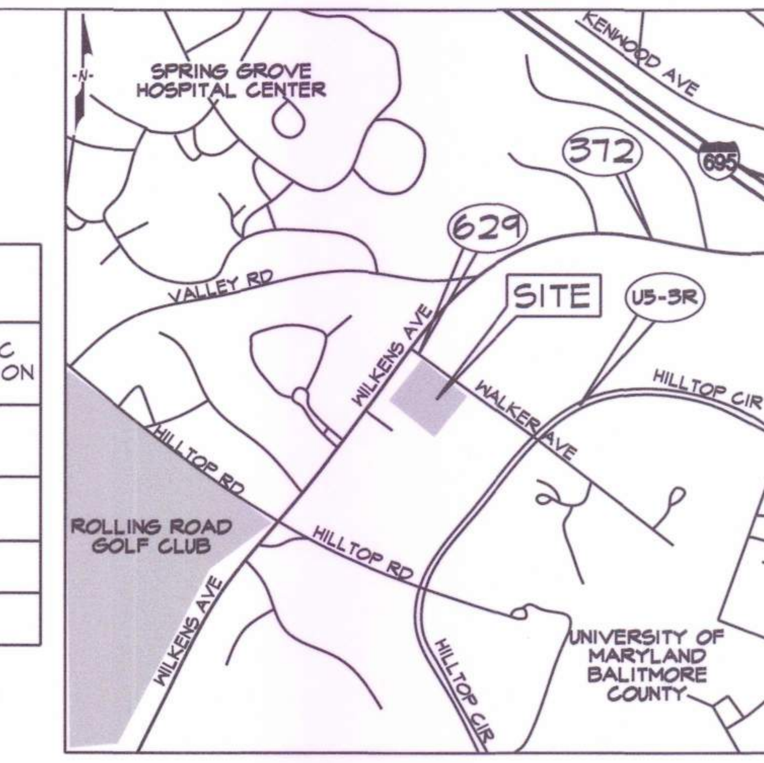


VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. INDEX CONTOUR (285)
- EX. INTERMEDIATE CONTOUR (284)
- EX. CURB AND GUTTER
- EX. GAS MAIN
- EX. FIBER OPTIC / COMMUNICATION
- EX. OVERHEAD ELECTRIC
- EX. ELECTRIC
- EX. SANITARY SEWER (8" SAN.)
- EX. STORM DRAIN (15" RCP.)
- EX. WATER (8" WATER)
- EX. FENCE
- EX. WOODS LINE
- EX. WATER METER, VALVE, FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- LIMIT OF DISTURBANCE (LOD)
- PROP. INDEX CONTOUR (270)
- PROP. INTERMEDIATE CONTOUR (272)
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. WOODS LINE
- PROP. CONCRETE WALK
- PROP. ELECTRIC SERVICE.
- PROP. SANITARY SEWER (PROP. 4" SAN.)
- PROP. WATER LINE (8" WATER)
- PROP. STORM DRAIN LINE (PROP. 15" HDPE)
- PROP. MANHOLE
- PROP. INLET
- SOIL BORING LOCATION (B-4)
- IMPERVIOUS AREA TREATED BY SWM FACILITY
- DRAINAGE AREA BOUNDARY

FACILITY DESIGN SUMMARY TABLE

	PRACTICE	DIMENSIONS	DRAINAGE AREA	PROVIDED 'I_{ART}'	ESDv TARGET/ MIN. REQUIRED (CF)	STORAGE VOLUME PROVIDED ESDv (CF)	TREATMENT VOLUME CREDITED, ESDv	'Re' PROVIDED	TARGET 'Pe'/ MIN. REQ'D 'Pe'	'Pe' PROVIDED
POI 'I'	SUBMERGED GRAVEL WETLAND #1 (DA 'A-1')	77.5' x 24' (BOTTOM)	2.49 AC.	1.79 AC.	11,465 C.F. (MIN. VOL. @ Pe=1.0" =6,304 C.F.)	5,461 C.F.	7,281.3 C.F.	0 C.F.	1.82"/1.00"	1.16"
TOTAL PROVIDED		——	——	1.79 AC.	——	5,461 C.F.	7,281.3 C.F.	0 C.F.	——	1.16"^
TOTAL REQUIRED		——	——	1.71 AC.	8,088 C.F.*	——	——	157 C.F.	1.53"/1.00"**	——

Cpv REQUIRED = 11,670 C.F.
Cpv PROVIDED = 0 C.F. THIS PROJECT WILL REQUIRE A VARIANCE FROM PROVIDING FULL Cpv.
** PER OVERALL SITE COMPS
^ PER DRAINAGE AREA AND IMPERVIOUS TO FACILITY

LIMIT OF DISTURBANCE: 125,356 SF. OR 2.88 AC.
EXISTING IMPERVIOUS AREA: 53,020 SF. OR 1.22 AC.
PROPOSED IMPERVIOUS AREA: 80,490 SF. OR 1.85 AC.

APPROVED:
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

MCS DATUM

ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

SWM SHEET 4 OF 17

SEAL: STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM
DGN BY: RJP | DWN BY: RJP/SJG | CHKD BY: RJP
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1"=30'
			R.O.W NO.			PROFILE SCALE:	N/A N/A
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

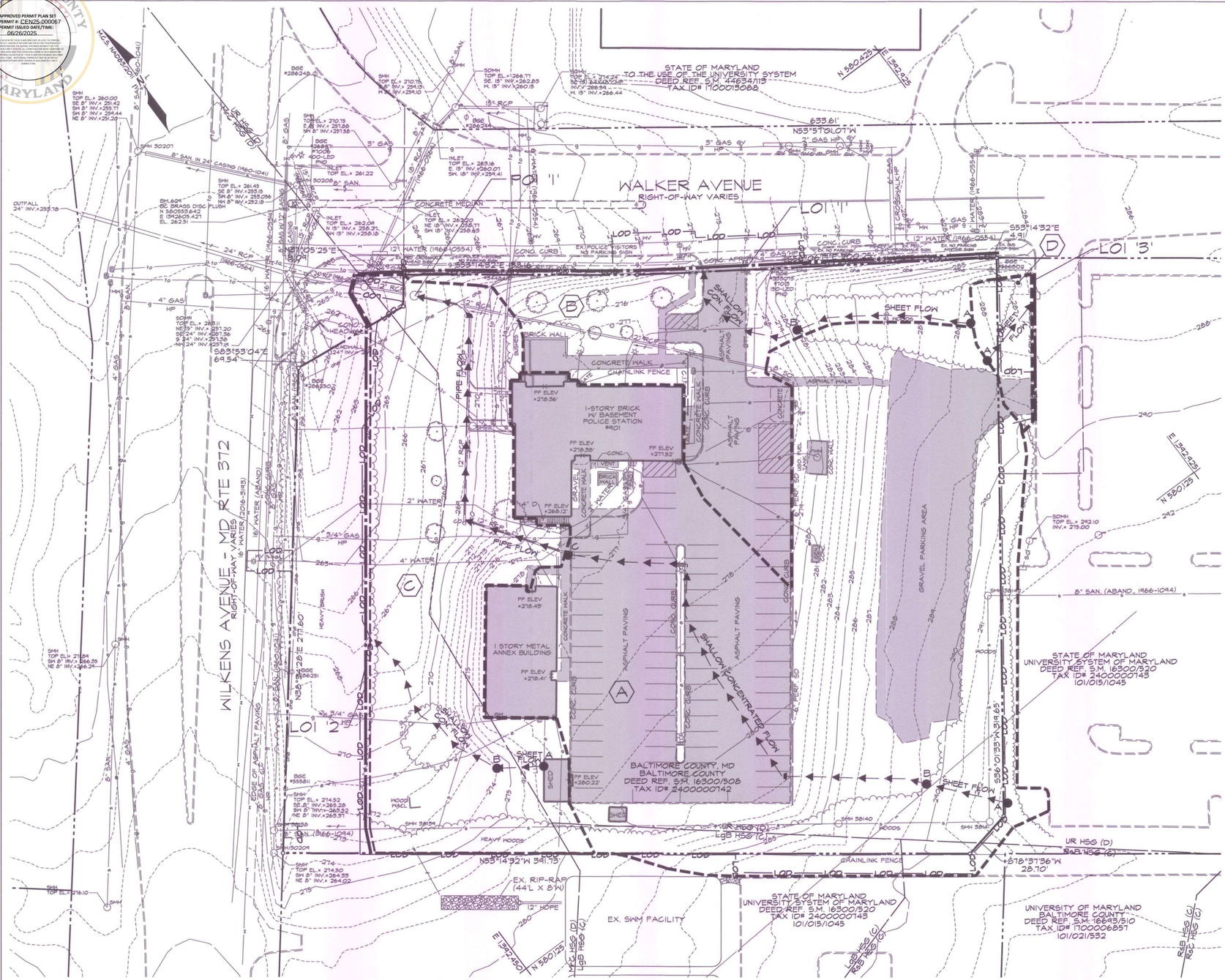
PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
STORMWATER MANAGEMENT PLAN
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.03	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 36 OF 302
	DRAWING NUMBER: 2024 - 1349
	FILE NO.: 8

DWG. FILENAME:

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025



LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 285 — EX. INDEX CONTOUR
- 284 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- 15" RCP — EX. STORM DRAIN
- EX. FENCE
- EX. WOODS LINE
- MH — EX. STORM DRAIN MANHOLE
- CO — EX. CLEANOUT
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- 34UB HSG (D) / 33UC HSG (B) — SOILS BOUNDARY
- LOD — LIMIT OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- LINE OF INTEREST
- (A) — DRAINAGE AREA LABEL
- EXIST. IMPERVIOUS AREA
- TC PATH — TIME OF CONCENTRATION

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
LgB	LEGORE-MONTALTO-URBAN LAND COMPLEX	0-8%	NO	NOT RATED	C
MrC	MOUNT LUCAS SILT LOAM	8-15%	NO	0.37	C/D
Ur	URBAN LAND	0-8%	NO	NOT RATED	D
RsB	RUSSETT FINE SANDY LOAM	2-5%	NO	0.28	C

DRAINAGE AREA SUMMARY

DESIGN POINT	DA	Tc (HRS)	DA (ACRES)	CURVE NUMBER	Q_1 (CFS)	Q_{10} (CFS)	Q_{100} (CFS)
POI 1	A	0.234	1.73	89	3.57	8.00	14.96
LOI 1	B	0.367	0.46	89	0.79	1.78	3.34
LOI 2	C	0.10	0.67	76	0.81	2.64	5.89
LOI 3	D	0.10	0.05	82	0.09	0.24	0.49

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

EXISTING QUANTITY MANAGEMENT DRAINAGE AREA MAP

SCALE: 1" = 30'

MCS DATUM
ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

ADDRESS
WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER
BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS @BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SEAL: STATE OF MARYLAND — RYAN J. PIKO — 37068 — PROFESSIONAL ENGINEER
DATE: 4/9/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PIKO, PE
PHONE: 667-210-2485
EMAIL: RPIKO@MKCING.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
			R.O.W NO.	GSW	15SW19
CONTRACT COMPLETION BOX					15SW20

DRAWING SCALE: PLAN SCALE: 1"=30' ; PROFILE SCALE: N/A ; N/A

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01

EXISTING QUANTITY MANAGEMENT DA MAP

NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

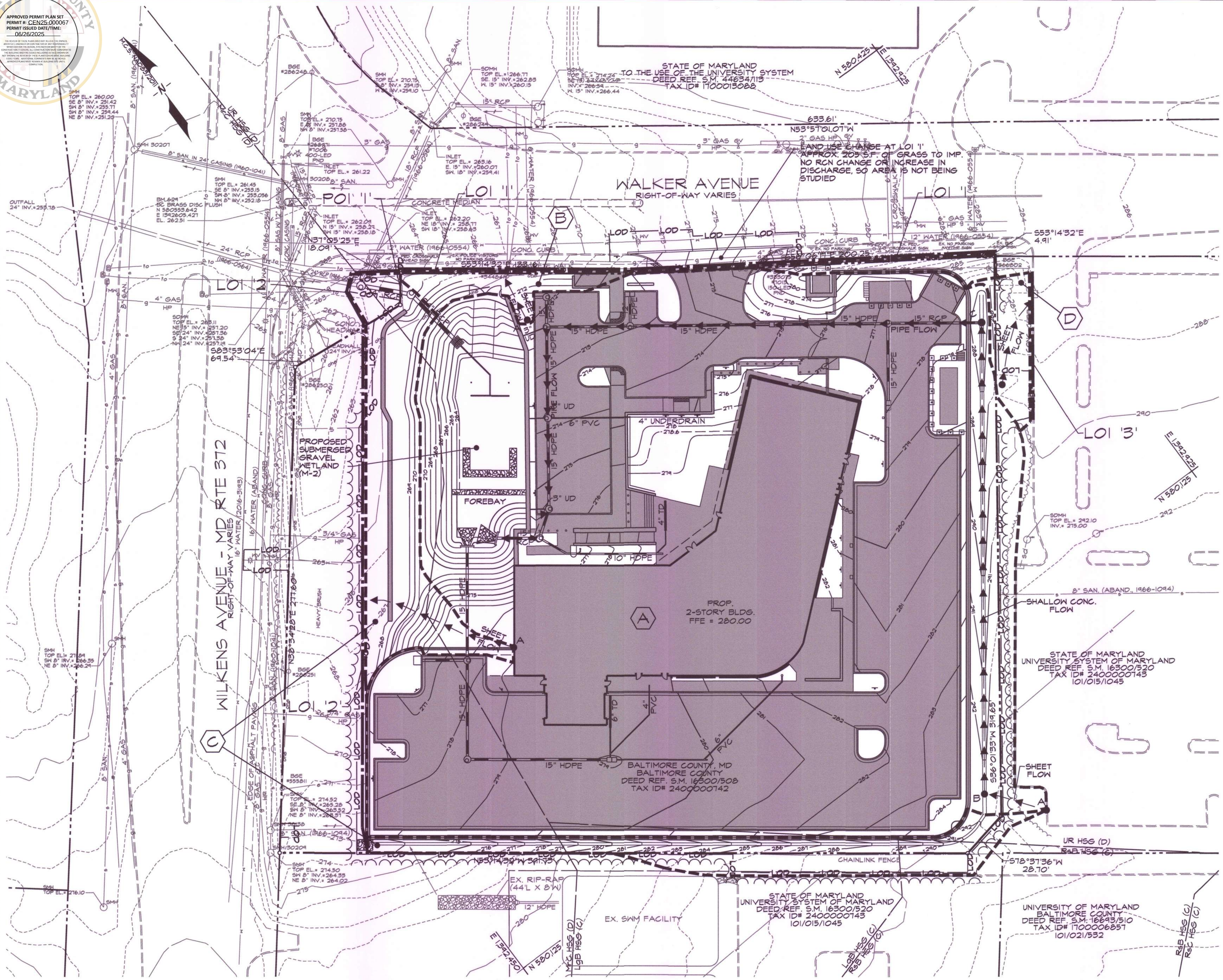
SWM SHEET 5 OF 17

SHEET DESIGNATION	CONTRACT NUMBER
C9.04	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 37 OF 302	
DRAWING NUMBER	2024 - 1350
FILE NO.: 8	REV. 05/20

BALTIMORE COUNTY MARYLAND

DWG. FILENAME:

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025



PROPOSED QUANTITY MANAGEMENT DRAINAGE AREA MAP

SCALE: 1" = 30'

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. INDEX CONTOUR (285)
- EX. INTERMEDIATE CONTOUR (284)
- EX. CURB AND GUTTER
- EX. STORM DRAIN (15" RCP.)
- EX. FENCE
- EX. WOODS LINE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- SOILS BOUNDARY (34UB HSG (D) / 33UC HSG (B))
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- PROP. STORM DRAIN (PROP. 15" D)
- PROP. MANHOLE
- PROP. INLET
- PROP. WOODS LINE
- LIMIT OF DISTURBANCE (LOD)
- DRAINAGE AREA BOUNDARY
- LINE OF INVESTIGATION
- DRAINAGE AREA LABEL
- PROP. IMPERVIOUS AREA
- TIME OF CONCENTRATION (TC PATH)

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
LgB	LEGORE-MONTALTO-URBAN LAND COMPLEX	0-8%	NO	NOT RATED	C
MrC	MOUNT LUCAS SILT LOAM	8-15%	NO	0.37	C/D
Ur	URBAN LAND	0-8%	NO	NOT RATED	D
RsB	RUSSETT FINE SANDY LOAM	2-5%	NO	0.28	C

DRAINAGE AREA SUMMARY

DESIGN POINT	DA	Tc (HRS)	DA (ACRES)	CURVE NUMBER	Q_1 (CFS)	Q_{10} (CFS)	Q_{100} (CFS)
POI '1'	A	0.10	2.49	93	3.17	7.95	20.26
LOI '1'	B	0.10	0.08	81	0.12	0.32	0.67
LOI '2'	C	0.10	0.33	75	0.37	1.26	2.86
LOI '3'	D	0.10	0.04	80	0.06	0.17	0.36

MCS DATUM

ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS
@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: ______
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SWM SHEET 6 OF 17

DWG. FILENAME:

SEAL: STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066, EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKE, PE, PHONE: 667-210-2485, EMAIL: RPIKE@MKCENG.COM

DGN BY: RJP | DWN BY: RJP/SJG | CHKD BY: RJP

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | R.O.W NO.

CONTRACT COMPLETION BOX

KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 1"=30' | PROFILE SCALE: N/A, N/A

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:
DATE REVIEWED:

PROPERTY MANAGEMENT
APPROVED BY: ______ PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PROPOSED QUANTITY MANAGEMENT DA MAP

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION: C9.05

CONTRACT NUMBER: 24111 PPO

JOB ORDER NUMBER: 300200006

DRAWING NUMBER: 2024 - 1351

FILE NO.: 8

REV. 03/22

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025

POND SPECIFICATIONS

DESCRIPTION	DATA	
IJC CLASSIFICATION	A	
STRUCTURE TYPE	EXCAVATED / EMBANKMENT POND	
STORAGE x HEIGHT PRODUCT (AC-FT²)	5.5	
DRAINAGE AREA TO FACILITY (AC)	2.49 AC.	
IMPERVIOUS AREA DRAINING TO POND	1.79 AC.	
RCN TO FACILITY	93	
TIME OF CONCENTRATION Tc (HRS)	0.100 HRS	
HEIGHT TO EMERGENCY SPILLWAY CREST (FT)	N/A	
MAXIMUM HEIGHT OF FILL (FT)	3.64 FT.	
PERMANENT POOL / WATER SURFACE AREA (AC)	0	
PRINCIPAL SPILLWAY CAPACITY AT DESIGN STORM	25.29 C.F.S.	
EMERGENCY SPILLWAY CAPACITY AT DESIGN STORM	N/A	
LEVEL OF MANAGEMENT - REQUIRED / PROVIDED	Cpv & 10-YR	10-YR
FREEBOARD - REQUIRED / PROVIDED	1' (10-YR) 2' (100-YR)	2.91' (10-YR) 2.10' (100-YR)
TOP OF EMBANKMENT ELEVATION	270.00'	
WATERSHED NAME	PATAPSCO RIVER	

POND DESIGN SUMMARY

DESIGN STORMS	ALLOWABLE RELEASE RATES (CFS)	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	BYPASS DISCHARGE (CFS)	TOTAL DISCHARGE (CFS)	WATER SURFACE ELEVATION (FT)	STORAGE VOLUME (CF)
1-YR	3.57	7.35	3.17	0.00	3.17	266.12	5,429
10-YR	8.00	15.06	7.95	0.00	7.95	267.09	10,883
100-YR	14.96	27.00	20.26	0.00	20.26	267.90	15,979

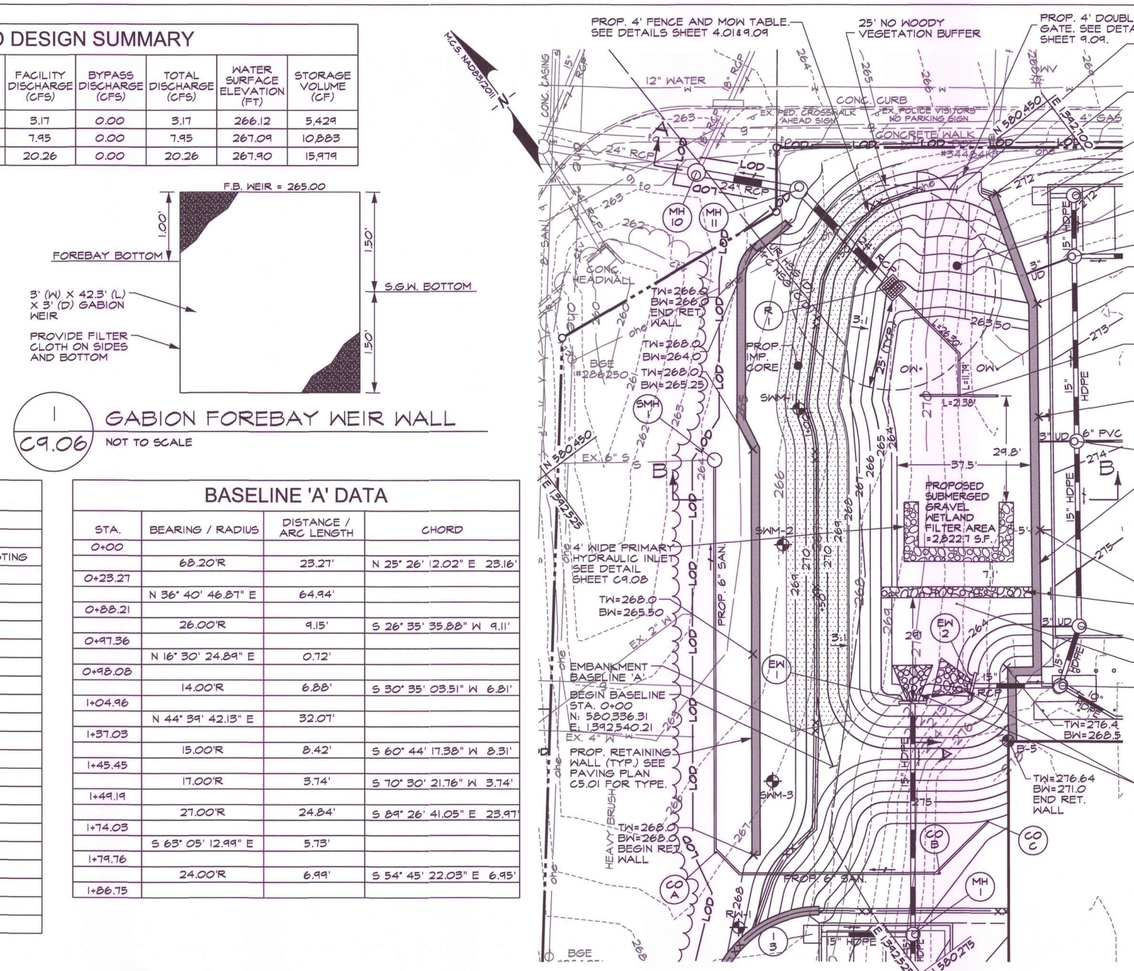
1 / C9.06 GABION FOREBAY WEIR WALL
NOT TO SCALE

SUBMERGED GRAVEL WETLAND #1 AS-BUILT DATA

ITEM	DESIGN	AS-BUILT	STATE COORDINATES DESIGN NORTHING	DESIGN EASTING	AS-BUILT NORTHING	AS-BUILT EASTING
UNDERDRAIN-6" SCH 40 PVC (PERFORATED)	49.5 LF		NA	NA		
BOTTOM OF #57 STONE ELEV.	ELEV.=260.83		NA	NA		
#57 STONE DEPTH	21" DEPTH		NA	NA		
PEA GRAVEL DEPTH	3" DEPTH		NA	NA		
WETLAND SOIL DEPTH	8" DEPTH		NA	NA		
STABILIZATION & LANDSCAPING	SEE LANDSCAPE PLANS		NA	NA		
OBSERVATION WELL (TYP. 2)	SEE DETAIL SHT. C9.07		NA	NA		
CLEANOUTS (TYP. 3)	SEE DETAIL SHT. C9.07		NA	NA		
6" UNDERDRAIN CONNECTION @ R-1	INVERT=260.83		NA	NA		
STRUCTURE R-1 CREST EL.	EL. 267.70		580,434.04	1,392,633.97		
PRINCIPAL SPILLWAY INFLOW EL.	INVERT= 258.95		NA	NA		
PRINCIPAL SPILLWAY OUTFALL EL.	INVERT=258.48		NA	NA		
BOTTOM OF FACILITY	EL.= 263.50		NA	NA		
SURFACE STORAGE DEPTH	1.50'		NA	NA		
TOTAL SURFACE AREA OF FILTER	2,822.7 S.F.		NA	NA		
FACILITY GRADING & SIDE SLOPES	3:1		NA	NA		
EMBANKMNET WIDTH	6'		NA	NA		
TOP OF EMBANKMENT EL.	270.00 (SETTLED)		NA	NA		
ENDWALL 1	INVERT=264.00		580,337.37	1,392,568.84		
ENDWALL 2	INVERT=264.00		580,331.02	1,392,584.94		

BASELINE 'A' DATA

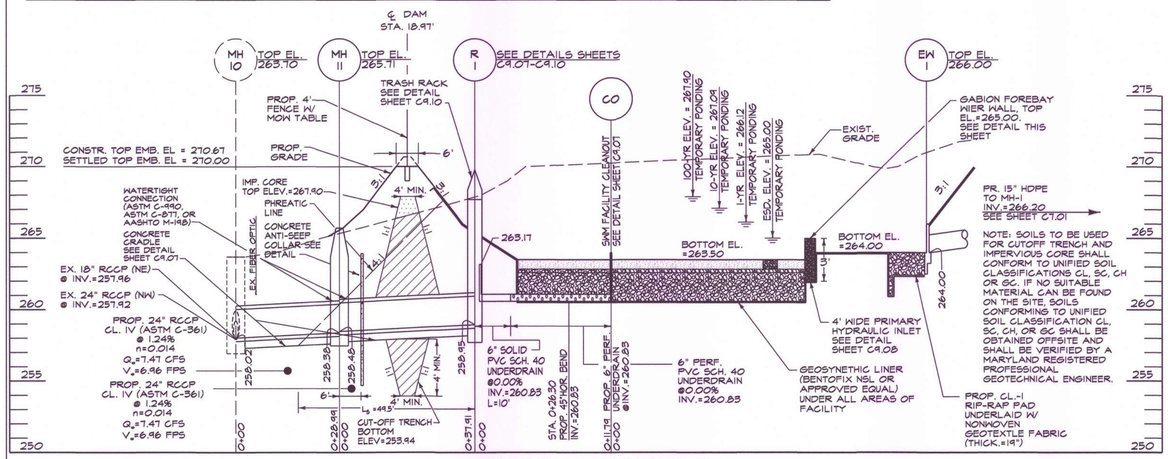
STA.	BEARING / RADIUS	DISTANCE / ARC LENGTH	CHORD
0+00			
	68.20'R	23.27'	N 25° 26' 12.02" E 23.16'
0+23.27			
	N 36° 40' 46.87" E	64.94'	
0+88.21			
	26.00'R	9.15'	S 26° 35' 35.88" W 9.11'
0+97.36			
	N 16° 30' 24.84" E	0.72'	
0+98.08			
	14.00'R	6.88'	S 30° 35' 03.51" W 6.81'
1+04.96			
	N 44° 39' 42.13" E	32.07'	
1+37.03			
	15.00'R	8.42'	S 60° 44' 17.38" W 8.31'
1+45.45			
	17.00'R	3.74'	S 70° 30' 21.76" W 3.74'
1+49.19			
	27.00'R	24.84'	S 89° 26' 41.05" E 23.97'
1+74.03			
	S 63° 05' 12.99" E	5.73'	
1+79.76			
	24.00'R	6.99'	S 54° 45' 22.03" E 6.95'
1+86.75			



LEGEND

- PROPERTY LINE
- 285 EX. INDEX CONTOUR
- 284 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- ctv EX. CABLE TV
- fo EX. FIBER OPTIC / COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- 8" SAN. EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 8" WATER EX. WATER
- X X X EX. FENCE
- EX. WOODS LINE
- WM EX. WATER METER
- WV EX. WATER VALVE
- FH EX. FIRE HYDRANT
- SMH EX. SANITARY MANHOLE
- MH EX. STORM DRAIN MANHOLE
- CO EX. CLEANOUT
- EX. GAS VALVE
- EX. SIGN
- EX. LIGHT POLE
- EX. TREE / BUSH
- 270 PROP. INDEX CONTOUR
- 272 PROP. INTERMEDIATE CONTOUR
- XX XX PROP. CONCRETE CURB & GUTTER PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. 6" SAN. PROP. SANITARY SEWER
- 15" HDPE PROP. STORM DRAIN LINE
- SWM-1 SOIL BORING
- LOD LIMIT OF DISTURBANCE
- PROP. IMPERVIOUS CORE

NOTES:
1. SEE LANDSCAPE PLANS, BY MAHAN RYKIEL ASSOCIATES, FOR STORMWATER PLANTINGS AND FACILITY STABILIZATION.
2. REFER TO SEQUENCE OF CONSTRUCTION, MAINTENANCE SCHEDULES, SWM AND INSPECTION SCHEDULE ON SHEET C9.10.
3. REFER TO MD-378 POND SPECIFICATIONS ON SHEET C9.11

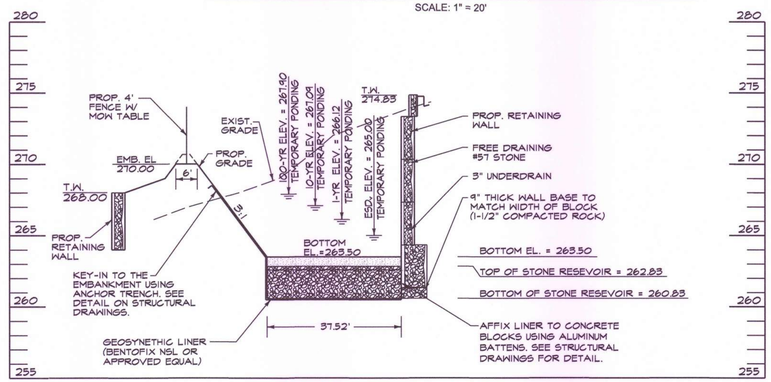


FACILITY SECTION 'A-A'

SCALE: HORIZ. 1" =20'
VERT. 1" = 5'

SUBMERGED GRAVEL WETLAND FACILITY #1 (M-2)

SCALE: 1" = 20'



NOTE: SEE SHEET C9.09 FOR EMBANKMENT PROFILE

FACILITY SECTION 'B-B'

SCALE: HORIZ. 1" =20'
VERT. 1" = 5'

AS-BUILT CERTIFICATION STORMWATER MANAGEMENT

I HEREBY CERTIFY THAT SUBMERGED GRAVEL WETLAND #1 SHOWN ON THIS SHEET WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND COMPLIES WITH THE APPROVED PLANS AND SPECIFICATION.

PRINT NAME ADDRESS PHONE NUMBER

SIGNATURE DATE LICENSE NO.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 7 OF 17

SEAL: STATE OF MARYLAND · RYAN J. PIKE · 31068 · PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 31066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC 1801 PORTER ST., SUITE 401 BALTIMORE, MD 21230 RYAN J. PIKE PHONE: 667-210-2485 EMAIL: RJPIKE@MKCONG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1"=20' PROFILE SCALE: HORIZ. 1"=20' VERT. 1"=5'

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SUBMERGED GRAVEL WETLAND FACILITY #1

NEW BUILDING DESIGN

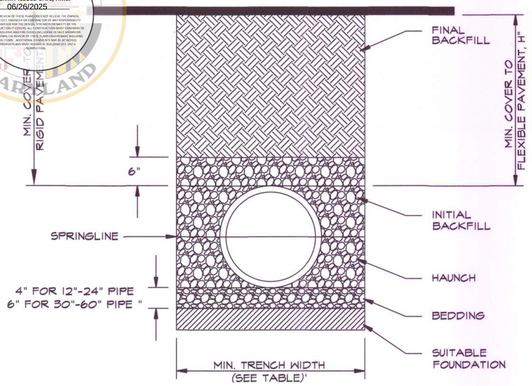
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.06	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 39 OF 302	
DRAWING NUMBER	2024 - 1352
FILE NO.: 8	REV. 05/20

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
BALTIMORE COUNTY MARYLAND



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

MINIMUM RECOMMENDED COVER ("H") BASED ON VEHICLE LOADING CONDITIONS**		
	SURFACE LIVE LOADING CONDITION	
PIPE DIAM.	H-25	HEAVY CONSTRUCTION (75T AXLE LAOD) *
12" - 48"	12"	48"
60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER
**SEE BACKFILL REQUIREMENTS IN NOTE 6.

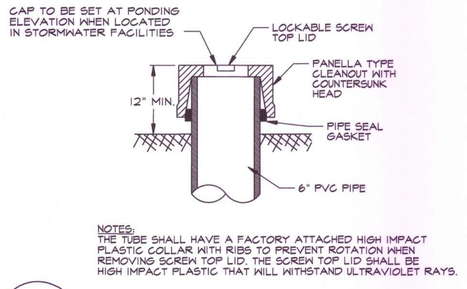
MAXIMUM RECOMMENDED COVER BASED ON VECHICLE LOADING CONDITIONS					
PIPE DIA.	CLASS I		CLASS II		CLASS III
	COMPACTED	DUMPED	95%	90%	95%
4"	37	18	25	18	18
6"	44	20	29	20	21
8"	32	15	22	15	16
10"	38	18	26	18	18
12"	35	17	24	17	17
15"	38	17	25	17	18
18"	36	17	24	17	17
24"	28	13	20	13	14
30"	28	13	20	13	14
36"	26	12	18	13	13
42"	23	11	16	11	11
48"	25	11	17	11	12
60"	25	11	17	11	12

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE,
UNIT WEIGHT OF SOIL (Ys) = 120 PCF

DESCRIPTION	SOIL CLASSIFICATION		MIN. COMPACTION REQUIRED (STD. PROCTOR DENSITY (%)
	ASTM D2321	ASTM D2321	
GRADED OR CRUSHED STONE CRUSHED GRAVEL	CLASS I	———	DUMPED
WELL-GRADED SAND, GRAVELS, AND GRAVEL/SAND MIXTURES; POORLY GREADED SAND, GRAVELS AND GRAVEL/SAND MIXTURES; LITTLE OR NO FINES	CLASS II	GW GP SW SP	85%
SILTY OR CLAYEY GRAVELS, GRAVELS/SAND/SILT OR GRAVELS AND CLAY MIXTURES, SILTY OR CLAYEY SANDS, SAND/CLAY OR SAND/SILT MIXTURES	CLASS III	GM GC SM SC	90%
INORGANIC SILTS AND LOW TO MEDIUM PLASTICITY CLAYS; GRAVELY, SANDY, OR SILTY CLAYS; SOME FINE SANDS	CLASS IVA	ML CL	MATERIAL NOT RECOMMENDED

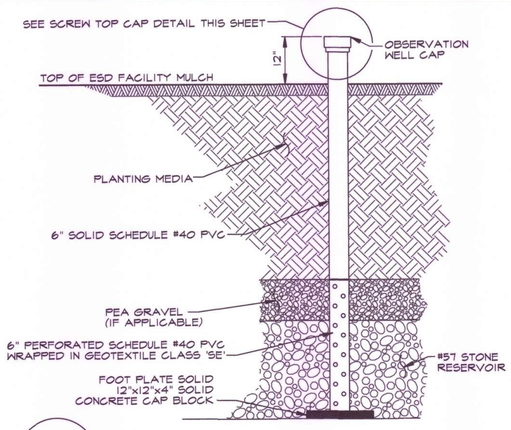
BACKFILL NOTES:
1. ONLY NATIVE SOILS MEETING CLASS I, II, OR III AS DESCRIBED IN THE TABLE, ARE ACCEPTABLE BACKFILL MATERIALS.
2. CLASS I MATERIALS CAN BE DUMPED AROUND PIPE. LIGHTLY TAMP OR KNIFE TO ENSURE VOIDS ARE ELIMINATED.
3. NON-COHESIVE SAND, SAND/GRAVEL MIXES AND OTHER CLASS II OR III MATERIALS MUST BE COMPACTED TO REMOVE VOIDS.
4. LAYER HEIGHTS SHOULD NOT EXCEED ON-HALF THE PIPE DIAMETER. LAYER HEIGHTS MAY ALSO NEED TO BE REDUCED TO ACCOMMODATE COMPACTION METHOD.

1 C9.07 HDPE PIPE TRENCH INSTALLATION
NOT TO SCALE

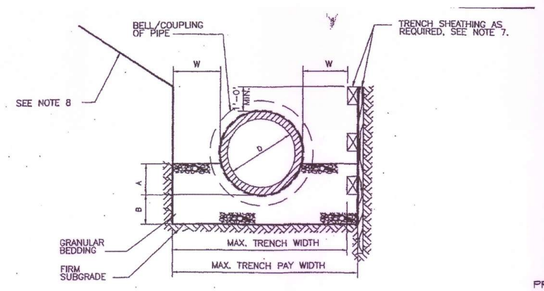


NOTES:
THE TUBE SHALL HAVE A FACTORY ATTACHED HIGH IMPACT PLASTIC COLLAR WITH RIBS TO PREVENT ROTATION WHEN REMOVING SCREW TOP LID. THE SCREW TOP LID SHALL BE HIGH IMPACT PLASTIC THAT WILL WITHSTAND ULTRAVIOLET RAYS.

5 C9.07 SCREW TOP CAP
NOT TO SCALE



6 C9.07 SWM OBSERVATION WELL
NOT TO SCALE

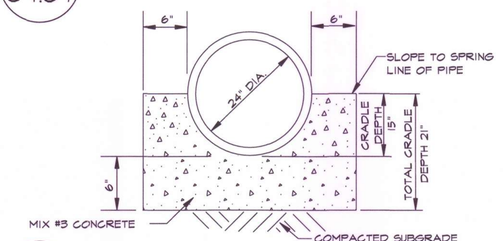


ELEVATION

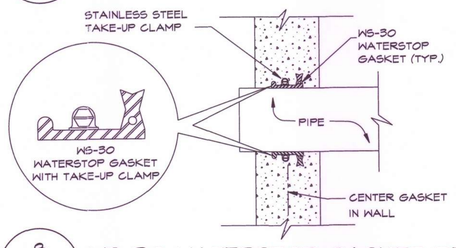
DIMENSIONS			
D	A	W	B
15"	5"	8"	6"
16"&18"	6"	8"	6"
20"&21"	7"	8"	6"
24"	8"	12"	6"
27"	8"	12"	6"
30"	9"	12"	6"
33"	10"	15"	6"
36"	10"	15"	6"
42"	13"	15"	6"
48"	15"	18"	6"
54"	16"	18"	6"
60"	18"	18"	6"
66"	21"	18"	6"
72"	21"	18"	6"
78"	23"	18"	6"
84"	25"	18"	6"
90"	26"	18"	6"
96"	28"	18"	12"
102"	30"	18"	12"
108"	32"	18"	12"
114"	34"	24"	12"
120"	36"	24"	12"

NOTES:
1. THIS DETAIL APPLIES TO RCP STORM DRAIN PIPE ONLY.
2. WHERE SPECIFICALLY REQUIRED, FC'=3,000 PSI @ 28 DAYS CONCRETE AND SADDLE BLOCKS SHALL BE USED IN LIEU OF THE GRAVEL CRADLE.
3. BEDDING MATERIAL FOR CIRCULAR AND ELLIPTICAL PIPES SHALL BE IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD SPECIFICATIONS
4. MAXIMUM CLEAR TRENCH WIDTH SHALL BE 2W PLUS THE OUTSIDE DIAMETER OF THE PIPES.
5. THIS PIPE BEDDING DETAIL IS NOT FOR PIPES AND STRUCTURES WITHIN A STORMWATER MANAGEMENT POND EMBANKMENT.
6. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL CONSTRUCTION METHODS, PROCEDURES MUST BE IN COMPLIANCE WITH BALTIMORE COUNTY STANDARD SPECIFICATIONS.
7. SHEETING, SHORING AND BRACING SHALL MEET REQUIREMENTS OF MOSHA AND DESIGNED BY A PROFESSIONAL ENGINEER PRIOR TO INSTALLATION.
8. PROVIDE MAXIMUM 4' DEEP VERTICAL SLOPE FOR TRENCH AND USE 1:1 SLOPE ABOVE THE MAXIMUM DEPTH.

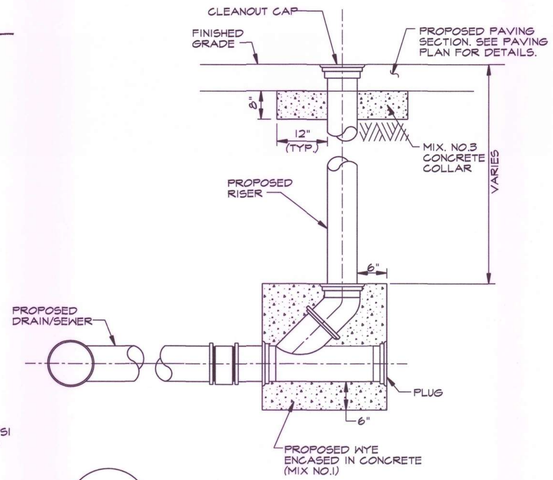
2 C9.07 RCP PIPE TRENCH INSTALLATION
NOT TO SCALE



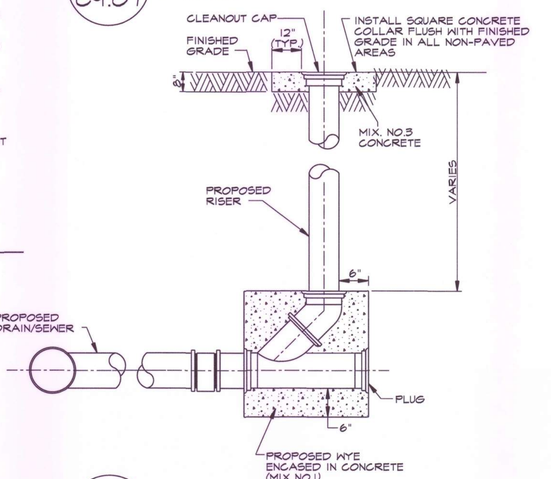
7 C9.07 ESD OUTFALL CONCRETE CRADLE
NOT TO SCALE



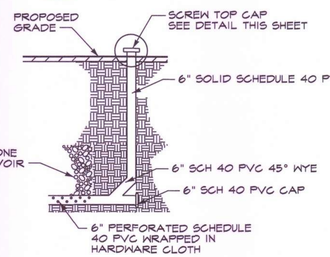
8 C9.07 WS-30 WATERSTOP GASKET DETAIL
NOT TO SCALE



3 C9.07 CLEANOUT (IMPERVIOUS AREAS)
NOT TO SCALE



4 C9.07 CLEANOUT (PERVIOUS AREAS)
NOT TO SCALE



9 C9.07 SWM FACILITY CLEANOUT
NOT TO SCALE

ADDRESS
WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER
BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD. 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS @BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

DWG. FILENAME:

SEAL
STATE OF MARYLAND — RYAN J. PACE — 31068 — PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 51066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC
180 PORTER ST., SUITE 400
BALTIMORE, MD 21230
RYAN PACE, PE
PHONE: (443) 961-3685
EMAIL: RPACE@MKCENG.COM

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.

CONTRACT COMPLETION BOX

R.O.W NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE: AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

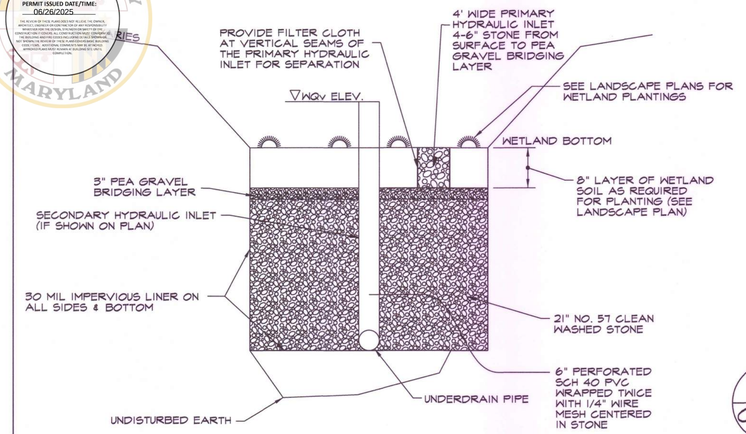
SWM SHEET 8 OF 17

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
SWM DETAILS
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.07	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 40 OF 302	
DRAWING NUMBER	2024 - 1353
FILE NO.: 8	REV. 05/06

BALTIMORE COUNTY MARYLAND

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
THE ISSUE OF THIS PLANS/DESIGNS DOES NOT RELIEVE THE OWNER, DEVELOPER, ENGINEER, ARCHITECT, CONTRACTOR, OR ANY OTHER PERSON FROM THE LEGAL RESPONSIBILITY OF THE CONSTRUCTION OF THE PROJECT IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS. ISSUANCE OF A PERMIT BASED ON PLANS, SPECIFICATIONS AND OTHER DATA SHALL NOT PREVENT THE CODE OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS IN THE CONSTRUCTION DOCUMENTS AND OTHER DATA. THE BUILDING INSPECTION DISCIPLINES INCLUDED IN ISSUE DETERMINATION ARE: BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, FIRE PROTECTION, ZONING, GRADING, ARCHITECTURAL/HANDICAPPED ACCESS. ADDITIONAL COMMENTS MAY BE ISSUED AFTER PERMIT ISSUANCE BASED ON WORK AS BUILT/AS BUILT DRAWINGS, ETC. (GENERAL NOTE)
BALTIMORE COUNTY MARYLAND



MINIMUM SPECIFICATIONS FOR IMPERMEABLE LINER

ASTM-D-4833 (30 MIL THICKNESS)
ASTM-D-412 (TENSILE STRENGTH 1,100 LB. ELONGATION 200%)
ASTM-D-624 (TEAR RESISTANCE = 150 LB/IN)
ASTM-D-471 (WATER ABSORPTION +8 TO -2% MASS)

MINIMUM SPECIFICATIONS FOR CLAY SOIL LINER

IN LIEU OF AN IMPERMEABLE LINER A 6 TO 12" THICK CLAY SOIL LINER MAY BE USED (AS DETERMINED BY THE GEOTECHNICAL ENGINEER). THE CLAY LINER MUST HAVE AT LEAST 15% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF 0.00001 CM/SEC.

THE MAXIMUM REQUIRED DENSITY SHALL NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN ±2% OF THE OPTIMUM. AREAS ON WHICH THE CLAY LINER WILL BE PLACED SHALL BE SCARIFIED PRIOR TO LINER PLACEMENT. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8 INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF FILL. EACH LAYER OF FILL SHALL BE COMPACTED AS NECESSARY TO OBTAIN THAT DENSITY, AND IS TO BE CERTIFIED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99 (STANDARD PROCTOR).

SPECIAL CARE SHALL BE TAKEN TO ENSURE A WATER TIGHT SEAL AROUND ALL STORM DRAINS AND STRUCTURES THAT PASS THROUGH THE CLAY LINER.

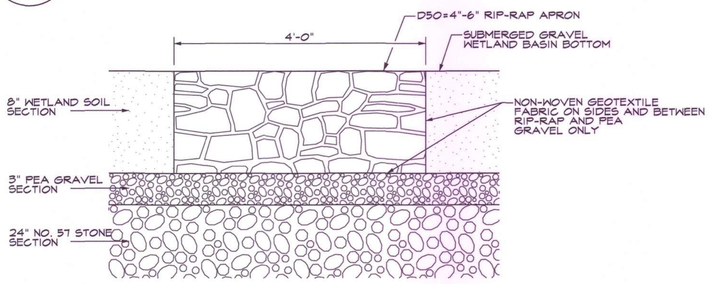
MINIMUM SPECIFICATIONS FOR WETLAND SOIL MIX

WETLAND SOIL SHALL BE USDA SOIL CLASSIFIED AS CLAY OR SILT LOAM HAVING A MEDIAN PARTICLE SIZE (D50) OF 0.15MM AND HAVE AN ORGANIC CONTENT GREATER THAN OR EQUAL TO 15% AND A CLAY CONTENT LESS THAN OR EQUAL TO 15%. SEE THE TABLE BELOW FOR PARTICLE SIZE DISTRIBUTION:

US STANDARD SIEVE SIZE IN/MM	PERCENT PASSING	PERCENT PASSING TESTING TOLERANCES
0.5/12.5	100	± 10.0
#10/2.00	90-75	± 5.0
#100/0.15	40-50	± 5.0
#200/0.075	25-50	± 5.0

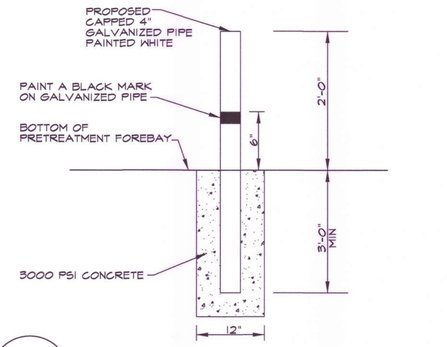
1 / C9.08 SUBMERGED GRAVEL WETLAND TYPICAL SECTION

NOT TO SCALE



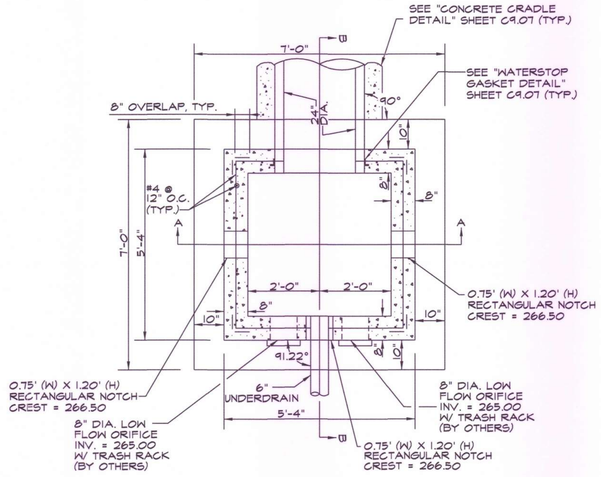
2 / C9.08 PRIMARY HYDRAULIC INLET DETAIL

NOT TO SCALE



3 / C9.08 FOREBAY SEDIMENT MARKER

NOT TO SCALE



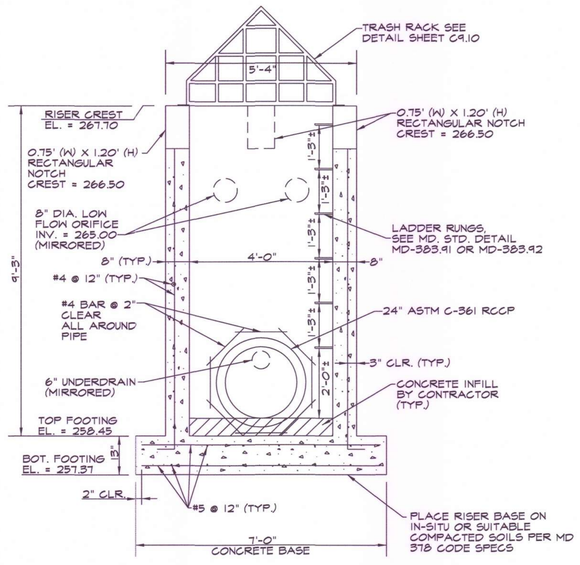
NOTE: RISER MUST BE CAST-IN-PLACE OR PRECAST AS ONE UNIT.
MULTIPLE SEGMENTS AND ASSEMBLY IN FIELD IS NOT PERMITTED.

PRE-CAST CONCRETE AND PRE-FABRICATED STEEL STRUCTURES NOTES:

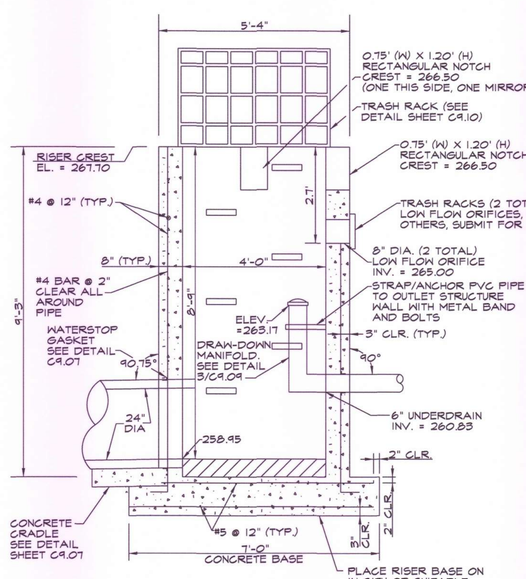
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING STRUCTURAL DESIGN COMPUTATIONS FOR FABRICATED CONCRETE AND STEEL COMPONENTS AS REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE PRE-CAST CONCRETE RISER AND WELDED STEEL TRASH RACK, IN CONFORMANCE WITH THE INFORMATION AND DIMENSIONAL CRITERIA ON THIS SHEET. SHOP DRAWINGS FOR THE TRASH RACK AND THE PRE-CAST STRUCTURES (MEETING ASTM REQUIREMENTS), WITH THE SUPPORTING STRUCTURAL COMPUTATIONS (SIGNED AND SEALED BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER), MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

IF ANY STRUCTURE DIMENSIONS VARY FROM THOSE ORIGINALLY REVIEWED/APPROVED, THEN THE HYDRAULICS, FLOTATION AND STRUCTURAL INTEGRITY WILL HAVE TO BE RE-ANALYZED. THIS ANALYSIS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.

ALL JOINTS AND CONNECTIONS SHALL BE FULLY WATERTIGHT BY MEANS OF SPECIFICIALLY DESIGNED SEALANTS/WRAPS THAT MEET ASTM C-990, ASTM C-877, OR AASHTO M-198.



SECTION A-A



SECTION B-B

4 / C9.08 RISER DETAIL (R-1)

SCALE: 1"=2'

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS
@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED:
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 9 OF 17

SEAL
STATE OF MARYLAND RYAN J PIKE 51066 PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 51066 EXPIRATION DATE: 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC
1806 DONELL LN, SUITE 401
BALTIMORE, MD 21230
RYAN PIKE, PE
PHONE: 667-210-2485
EMAIL: RPIKE@MKCENG.COM
DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
			R.O.W NO.	GSW	15SW19
CONTRACT COMPLETION BOX					15SW20

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE	AS SHOWN
	AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

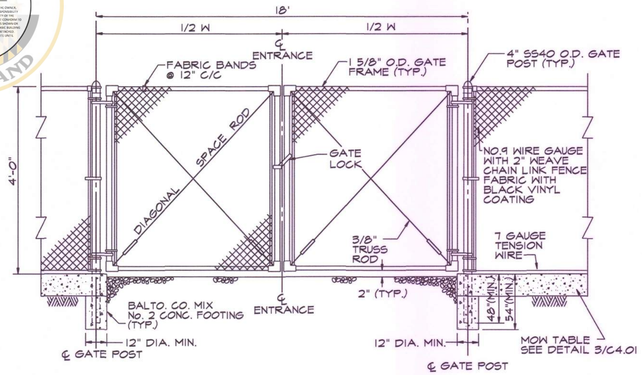
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
SWM DETAILS
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.08	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 41 OF 302	
DRAWING NUMBER	
2024 - 1354	
FILE NO.: 8	

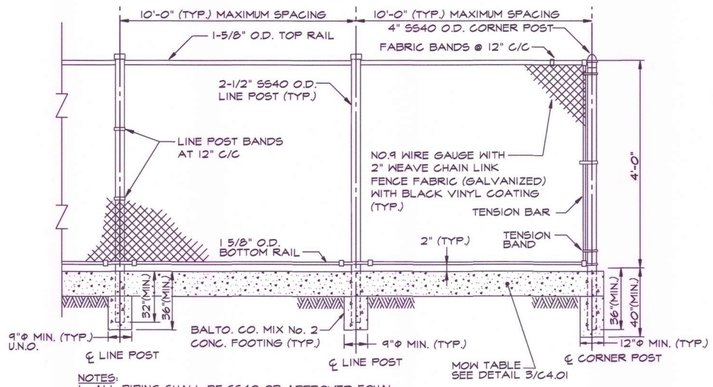
BALTIMORE COUNTY MARYLAND

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
THE ISSUE OF THIS PLANS DOES NOT RELIEVE THE OWNER, DEVELOPER, CONTRACTOR OR ENGINEER OF THE RESPONSIBILITY TO MEET ALL CONDITIONS IMPOSED BY THE APPROVED PLANS AND TO CONSTRUCT AND CONSTRUCT ALL CONSTRUCTION WORK OBSERVING IN ACCORDANCE WITH THE APPROVED PLANS AND ALL APPLICABLE REGULATIONS. ANY REVISIONS TO THESE PLANS MUST BE APPROVED BY THE DEPARTMENT OF PERMITS AND DEVELOPMENT MANAGEMENT BEFORE ANY WORK DEVIATING FROM THE APPROVED PLANS MAY BE DONE. ALL WORK SHALL BE SUBJECT TO FIELD INSPECTION BY BALTIMORE COUNTY.
BALTIMORE COUNTY MARYLAND



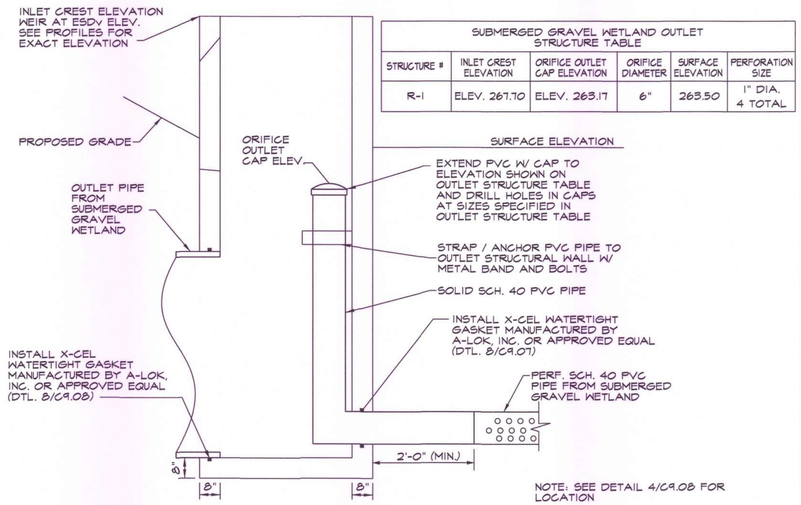
NOTES:
1. ALL PIPING SHALL BE SS40 OR APPROVED EQUAL.
2. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN INSTALLING FENCE SO AS NOT TO DAMAGE UNDERGROUND UTILITIES.
3. FENCE FABRIC SHALL BE SECURED TO THE RAILS AND POSTS WITH ALUMINUM SELF LOCKING BANDS.
4. ALL BOLTS SHALL HAVE NO MORE THAN TWO THREADS SHOWING.
5. GATE FRAME SHALL BE FULLY WELDED.

1 / C9.09 — 4' HIGH DOUBLE GATE SWING GATE DETAIL
NOT TO SCALE



NOTES:
1. ALL PIPING SHALL BE SS40 OR APPROVED EQUAL.
2. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN INSTALLING FENCE SO AS NOT TO DAMAGE UNDERGROUND UTILITIES.
3. FENCE FABRIC SHALL BE SECURED TO THE RAILS AND POSTS WITH ALUMINUM SELF LOCKING BANDS.
4. ALL BOLTS SHALL HAVE NO MORE THAN TWO THREADS SHOWING.
5. GATE FRAME SHALL BE FULLY WELDED.

2 / C9.09 — 4' HIGH CHAIN LINK FENCE DETAIL
NOT TO SCALE



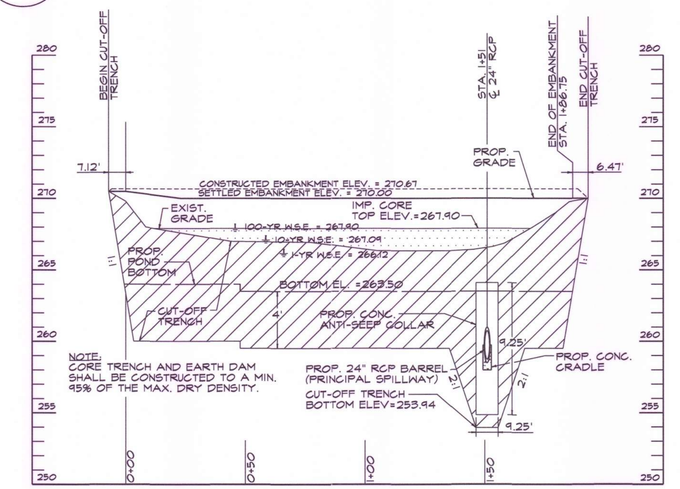
SUBMERGED GRAVEL WETLAND OUTLET STRUCTURE TABLE

STRUCTURE #	INLET CREST ELEVATION	ORIFICE OUTLET CAP ELEVATION	ORIFICE DIAMETER	SURFACE ELEVATION	PERFORATION SIZE
R-1	ELEV. 267.10	ELEV. 263.17	6"	263.50	1" DIA. 4 TOTAL

NOTE: SEE DETAIL 4/C9.08 FOR LOCATION

3 / C9.09 — SUBMERGED GRAVEL WETLAND RISER DRAW-DOWN MANIFOLD
NOT TO SCALE

4 / C9.09 — SWM MAINTENANCE ACCESS ROAD
NOT TO SCALE



NOTE:
CORE TRENCH AND EARTH DAM SHALL BE CONSTRUCTED TO A MIN. 95% OF THE MAX. DRY DENSITY.

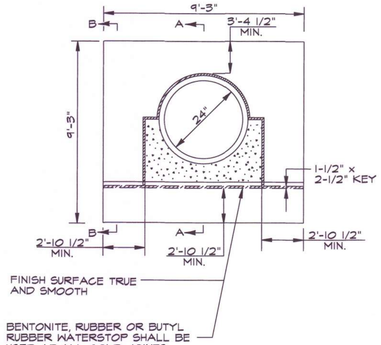
SUBMERGED GRAVEL WETLAND EMBANKMENT PROFILE
SCALE: HORIZ. 1" =30'
VERT. 1" = 5'

SUBMERGED GRAVEL WETLAND FACILITY #1 / MD-378 POND INSPECTION TABLE

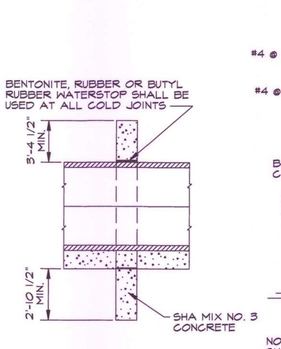
PHASE	DATE	INITIALS	REMARKS - DESCRIPTION OF ACTION TAKEN
1. EXCAVATION A. SIZE AND LOCATION B. SIDE SLOPE STABILITY C. SOIL PERMEABILITY D. GROUNDWATER / BEDROCK E. SETBACKS PER DESIGN MANUAL			
2. IMPERMEABLE LINER A. LINER SPECIFICATIONS B. SIDES AND BOTTOM C. ATTACHED TO RETAINING WALL			
3. FILTER AREA A. TYPE (# CRUSHED, GRAVEL) B. SIZE C. PLACEMENT D. PLANTING MEDIA MEETS SPECS.			
4. PRINCIPAL SPILLWAY / UNDERDRAINS A. CONCRETE CRADLE B. WATERTIGHT CONNECTIONS C. PIPE SIZE AND TYPE D. ANTI-SEEP COLLAR			
5. EMBANKMENT A. IMPERVIOUS CORE MATERIAL AND HEIGHT B. CUTOFF TRENCH MATERIAL AND HEIGHT C. EXTENTS			
6. RISER STRUCTURE A. INVERTS AND ELEVATIONS B. RECEIVES DESIGNED DRAINAGE AREA C. CONCRETE STRENGTH D. SINGLE POUR / ONE PRECAST UNIT			

I HEREBY CERTIFY THAT I PERSONALLY REVIEWED OR A PERSON UNDER MY DIRECT SUPERVISION PROVIDED THE INFOMATION REPORTED ON THIS CHECKLIST AND TO THE BEST OF MY KNOWLEDGE DO HEREBY INSURE THAT THE SUBMITTAL IS COMPLETE AND ACCURATE.

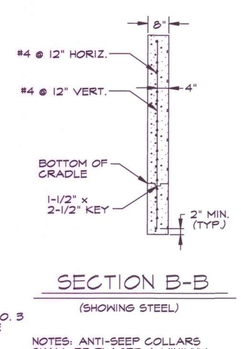
PROFESSIONAL ENGINEER SIGNATURE AND DATE



PLAN



SECTION A-A



SECTION B-B
(SHOWING STEEL)

NOTES: ANTI-SEEP COLLARS SHALL BE PLACED A MINIMUM OF 2 FEET FROM PIPE JOINTS

MINIMUM SPACING = 10'
MAXIMUM SPACING = 28'

5 / C9.09 — ANTI-SEEP COLLAR DETAIL (CAST-IN-PLACE)
NOT TO SCALE

MCS DATUM
ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

ADDRESS
WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER
BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS @BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 10 OF 17

SHEET DESIGNATION	CONTRACT NUMBER
C9.09	24111 PPO

JOB ORDER NUMBER 300200006
SHEET 42 OF 302
DRAWING NUMBER 2024 - 1355
FILE NO.: 8

SEAL
STATE OF MARYLAND — RYAN J. PIKEL — 31066 — PROFESSIONAL ENGINEER
DATE 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE: 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PIKEL, PE, PHONE: (667) 210-2482, EMAIL: RPIKE@MKCENG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.
CONTRACT COMPLETION BOX
R.O.W. NO.

KEY SHEET	POSITION SHT
GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: _____
PROFILE SCALE: AS SHOWN / AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
SWM DETAILS
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
BALTIMORE COUNTY MARYLAND

SWM SEQUENCE OF CONSTRUCTION (SUBMERGED GRAVEL WETLANDS)

1. BALTIMORE COUNTY ESC INPSECTOR AND ENGINEER PREPARING AS-BUILT DRAWINGS, AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
2. CONSTRUCTION OF SUBMERGED GRAVEL WETLANDS SHALL NOT TAKE PLACE UNTIL ALL CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED. REFER TO ESC SEQUENCE OF CONSTRUCTION FOR TIMING
3. FLUSH ALL STORM DRAINS LEADING TO THE FACILITY PRIOR TO BEGINNING CONSTRUCTION.
4. WITH A 3-DAY DRY FORECAST, AND REFERRING TO SEDIMENT CONTROL PLANS, BEGIN CONVERSION OF SEDIMENT TRAP TO SUBMERGED GRAVEL WETLAND.
5. PUMP SEDIMENT TRAP DRY.
6. EXCAVATE BOTTOM OF SEDIMENT TRAP TO PROPOSED GRADE OF SUBMERGED GRAVEL WETLAND AND FOREBAY SHOWN ON SWM PLANS. INSTALL MH-11 AND PRINCIPAL SPILLWAY INCLDUING CRADLE AND ANTI-SEEP COLLAR. ROUGH GRADE EMBANKMENT. EXCAVATE AND INSTALL CUTOFF TRENCH AND IMPERVIOUS CORE. BRING EMBANKMENT TO FINISHED GRADE AS SHOWN ON C9.06. REMOVE TEMP. 15" CMP DRAINS AND OUTFALLS AND COMPLETE INSTALLATON OF PERMANENT STORM DRAIN OUTFALLS FROM MH-2 TO EW-1 AND MH-3 TO EW-2. INSTALL PROPOSED CONCRETE CURB AND GUTTER, FENCE, AND BUILDING MOW STRIP AS SHOWN ON SHEET C9.04.

   A. AS-BUILTING ENGINEER TO VERIFY DEPTH OF GRAVEL WETLAND
7. INSTALL IMPERVIOUS LINER.
8. INSTALL NO. 57 STONE AS SHOWN ON THE SWM PLANS.
9. INSTALL 3" PEA GRAVEL BRIDGING LAYER BETWEEN STONE LAYER AND TOPSOIL LAYER AS SHOWN ON SWM PLANS.
10. INSTALL TOPSOIL & GRAVEL SATURATION TRENCH AS SHOWN ON THE SWM PLANS.
11. PROVIDE PERMANENT STABILIZATION AND PLANTING AS SHOWN ON THE SWM PLANS. INSTALL 4' HIGH FENCING AND 4' HIGH DOUBLE GATE ALONG EMBANKMENT, SEE SHEET C9.06.
12. WITH SEDIMENT CONTROL AND DAM INSPECTOR'S PERMISSION, CONTINUE WITH NEXT STEP IN ESC SEQUENCE OF CONSTRUCTION.

SUBMERGED GRAVEL WETLANDS MAINTENANCE SCHEDULE

1. THE FACILITY SHALL BE INSPECTED TWICE ANNUALLY - MARCH AND SEPTEMBER VISUAL INSPECTION OF ALL COMPONENTS SHALL BE PREFORMED BY THE OWNER.
2. GRASS ON THE DAM AND NON-WETLAND PORTIONS SHALL BE MOWED ANYTIME THE GRASS IS 6" TALL.
3. VEGETATED COVER SHALL BE MAINTAINED BY MOWING, LIMING AND FERTILIZING, AS A MINIMUM REQUIREMENT THE LIME AND FERTILIZED SHALL BE APPLIED ONE (1) TIME EVER TWO (2) YEARS. NO TREES OR WOODY VEGETATION SHALL BE ALLOWED ON THE EMBANKMENT OR IN THE SPILLWAY.
4. RILLS ON THE SLOPES OF THE DAM AND WASHED IN THE EARTH SPILLWAY SHALL BE FILLED WITH A SUITABLE MATERIAL AND THOROUGHLY COMPACTED. THESE AREAS SHALL BE RESEEDED OR RESODDED, LIMED AND FERTILIZED AS NEEDED.
5. ALL APPURTENANCES SHALL BE KEPT FREE OF TRASH.
6. DETERIORATION OF PIPE, RISER OR EMBANKMENT SHALL BE REPORTED TO MARYLAND DEPARTMENT OF THE ENVIRONMENT AT (410) 537-3558 AS SOON AS DISCOVERED AND PRIOR TO REPAIR.
7. DURING THE FIRST YEAR OF OPERATION, INSPECTIONS SHOULD BE CONDUCTED AFTER EVERY MAJOR STORM AND POORLY ESTABLISHED AREAS REVEGETATED.
8. SEDIMENT ACCUMULATION IN THE PRETREATMENT AREAS SHOULD BE REMOVED AS NECESSARY.
9. SIGNS OF UNEVEN FLOW DISTRIBUTION WITHIN THE WETLAND MAY MEAN THAT THE GRAVEL OR UNDERDRAIN IS CLOGGED. THE GRAVEL AND/OR UNDERDRAIN MAY NEED TO BE REMOVED, CLEANED, AND REPLACED.
10. A DENSE STAND OF WETLAND VEGETATION SHOULD BE MAINTAINED THROUGH THE LIFE OF THE FACILITY WITH PLANTINGS REPLACED AS NEEDED.
11. INLETS AND OUTLETS TO EACH SUBMERGED GRAVEL WETLAND CELL SHOULD BE FREE FROM DEBRIS TO PREVENT CLOGGING.
12. EROSION AT INFLOW POINTS SHOULD BE REPAIRED. FLOW SPLITTERS SHOULD BE FUNCTIONAL TO PREVENT BYPASSING OF THE FACILITY.
13. ALL REQUIRED MAINTENANCE SHALL BE PREFORMED BY THE OWNERS OR THE OWNERS REPRESENTATIVE OR BENEFICIAL USERS AT THE OWNER'S OR BENEFICIAL USERS EXPENSE.

FOREBAY MAINTENANCE SCHEDULE

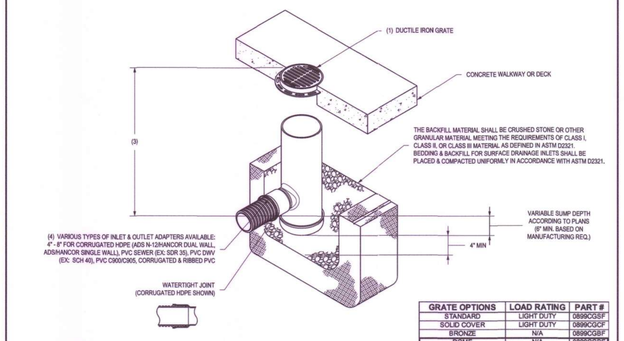
1. THE FACILITY SHALL BE INSPECTED TWICE ANNUALLY - MARCH AND SEPTEMBER VISUAL INSPECTION OF ALL COMPONENTS SHALL BE PREFORMED BY THE OWNER.
2. GRASS ON THE DAM AND NON-WETLAND PORTIONS SHALL BE MOWED ANYTIME THE GRASS IS 6" TALL.
3. VEGETATED COVER SHALL BE MAINTAINED BY MOWING, LIMING AND FERTILIZING, AS A MINIMUM REQUIREMENT THE LIME AND FERTILIZED SHALL BE APPLIED ONE (1) TIME EVER TWO (2) YEARS. NO TREES OR WOODY VEGETATION SHALL BE ALLOWED ON THE EMBANKMENT OR IN THE SPILLWAY.
4. RILLS ON THE SLOPES OF THE DAM AND WASHED IN THE EARTH SPILLWAY SHALL BE FILLED WITH A SUITABLE MATERIAL AND THOROUGHLY COMPACTED. THESE AREAS SHALL BE RESEEDED OR RESODDED, LIMED AND FERTILIZED AS NEEDED.
5. ALL APPURTENANCES SHALL BE KEPT FREE OF TRASH.
6. REMOVAL OF SILT IS REQUIRED WHEN THE ACCUMULATION EXCEEDS SIX (6) INCHES IN THE FOREBAY.
7. CORRECTIVE MAINTENANCE IS REQUIRED ANYTIME FOREBAY DOES NOT DRAIN WITHIN SIXTY (60) HOURS (I.E., NO STANDING WATER IS ALLOWED UNLESS DESIGNED FOR).
8. DETERIORATION OF PIPE, RISER EMBANKMENT SHALL BE REPORTED TO MARYLAND DEPARTMENT OF THE ENVIRONMENT AT (410) 537-3558 AS SOON DISCOVERED AND PRIOR TO REPAIR.
9. ALL REQUIRED MAINTENANCE SHALL BE PREFORMED BY THE OWNERS OR THE OWNERS REPRESENTATIVE OR BENEFICIAL USERS AT THE OWNER'S OR BENEFICIAL USERS EXPENSE.

SUBMERGED GRAVEL WETLAND INSPECTION CRITERIA

REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION.

- DURING EXCAVATION STAGE
- DURING PLACEMENT OF BACKFILL OF PERFORATED INLET PIPE AND OBSERVATION WELLS.
- DURING PLACEMENT OF GEOTEXTILES AND ALL FILTER MEDIA/STONE.
- DURING CONSTRUCTION OF ANY APPURTENANT CONVEYANCE SYSTEMS SUCH AS DIVERSION STRUCTURES, INLETS, OUTLETS, AND FLOW DISTRIBUTION STRUCTURES.
- UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION, AND BEFORE ALLOWING RUNOFF TO ENTER THE WETLAND.

NYLOPLAST 8" DRAIN BASIN: 2808AG__X — INLET 1-9



GRATE OPTIONS	LOAD RATING	PART #
STANDARD	LIGHT DUTY	0899CGSF
SOLID COVER	LIGHT DUTY	0899CGCF
BRONZE	N/A	0899CGBF
DOME	N/A	0899CGDF
DROP IN GRATE	LIGHT DUTY	0801DI

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RIBERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-080.
3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE (0° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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DRAWN BY	MBH	MATERIAL	
DATE	6-25-18		
APPD BY	MBH	PROJECT NO./NAME	
DATE	6-25-18		
DWG SIZE	A	SCALE 1:12	SHEET 1 OF 1

Nyloplast — 3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE: 8 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
DWG NO. 7001-110-272 REV F

NOTE: REFER TO ADS DWG NO. 7001-110-397

1 / C9.10 — NYLOPLAST 8" DRAIN BASIN — NOT TO SCALE

NYLOPLAST 12" DRAIN BASIN: 2812AG__X — INLET 1-8

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1299CGP	7001-110-202
STANDARD	MEETS H-20	1299CGS	7001-110-203
SOLID COVER	MEETS H-20	1299CGC	7001-110-204
PEDESTRIAN BRONZE	N/A	1299CGPZN	7001-110-205
DOME	N/A	1299CGD	7001-110-206
DROP IN GRATE	LIGHT DUTY	1201DI	7001-110-201

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-080
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

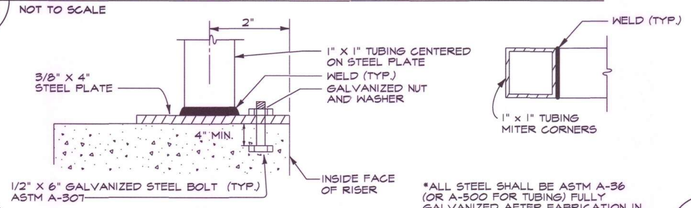
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

DRAWN BY	EDC	MATERIAL	
DATE	03-31-09		
REVISED BY	MBH	PROJECT NO./NAME	
DATE	03-11-19		
DWG SIZE	A	SCALE 1:20	SHEET 1 OF 1

Nyloplast — 3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE: 12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
DWG NO. 7001-110-189 REV E

NOTE: REFER TO ADS DWG NO. 7001-110-397

2 / C9.10 — NYLOPLAST 12" DRAIN BASIN — NOT TO SCALE

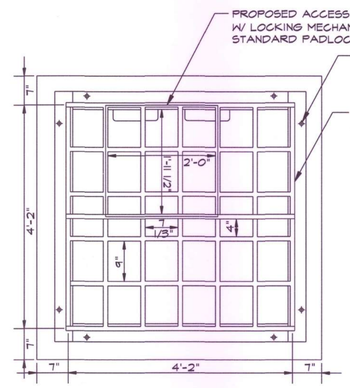


*ALL STEEL SHALL BE ASTM A-36 (OR A-500 FOR TUBING) FULLY GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123

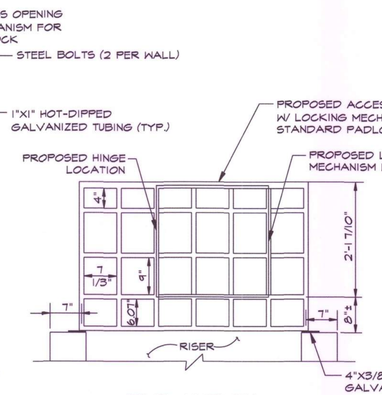
3 / C9.10 — TRASH RACK WELDING DETAIL — NOT TO SCALE

MATERIALS SPECIFICATIONS FOR SUBMERGED GRAVEL WETLANDS TABLE B.4.1

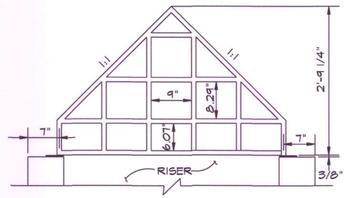
MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE APPENDIX A, TABLE A.4 IN MD 2000 SWM REGS	N/A	PLANTINGS ARE SITE SPECIFIC
WETLAND SOIL	CLAY OR SILT LOAM W/ MEDIAN PARTICLE SIZE (D50) OF 0.15MM AND ORGANIC CONTENT GREATER THAN OR EQUAL TO 15%	N/A	USDA SOIL TYPES SILT LOAM OR CLAY; CLAY CONTENT < 15%
ORGANIC CONTENT	MIN. 15% BY DRY WEIGHT (ASTM D 2974)		
MULCH	SHREDDED HARDWOOD		AGED 6 MONTHS, MINIMUM; NO PINE OR WOOD CHIPS
PEA GRAVEL DIAPHRAGM	PEA GRAVEL: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
GEOTEXTILE		N/A	PE TYPE I NONWOVEN
GRAVEL	AASHTO M-43	NO 57 OR NO 6 AGGREGATE (3/8" TO 3/4")	
UNDERDRAIN PIPING	F 758, TYPE PS 28 OR AASHTO M-278	4" TO 6" RIGID SCHEDULE 40 PVC OR SDR35	SLOTTED OR PERFORATED PIPE; 3/8" PERF. @ 6" ON CENTER, 4 HOLES PER ROW; MIN OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4" GALVANIZED HARDWARE CLOTH
GABIONS	BASKETS MADE OF 11 GAUGE WIRE OR HIGHER, FILLED WITH CLEAN 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE WITHOUT REBAR OR WIRE MESH		INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS



TOP VIEW



ELEVATION



ELEVATION

4 / C9.10 — TRASH RACK DETAIL — NOT TO SCALE

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD. 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS @BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7412

APPROVED:
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

DWG. FILENAME:

SEAL — STATE OF MARYLAND — RYAN J PHILLIPS — 37068 — PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066 EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN PHILLIPS, PE, PHONE: 667-210-2485, EMAIL: RPHILLIPS@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20
CONTRACT COMPLETION BOX					

DRAWING SCALE: PLAN: AS SHOWN; PROFILE: AS SHOWN; AS SHOWN

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DGN BY: RJP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RJP/SJG	REVIEWED BY:							
CHKD BY: RJP	DATE REVIEWED:							

SWM SHEET 11 OF 17

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SWM NOTES & DETAILS

NEW BUILDING DESIGN

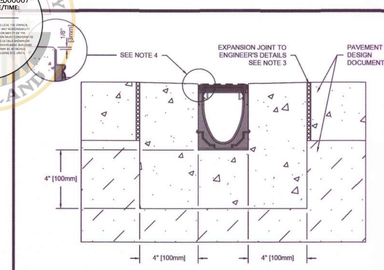
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C9.10	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 43 OF 302	
DRAWING NUMBER	2024 - 1356
FILE NO.: 8	

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
BALTIMORE COUNTY MARYLAND



NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE TD-1

K100 KLASSIKDRAIN 'DRAINLOK' LOAD CLASS B

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K100 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

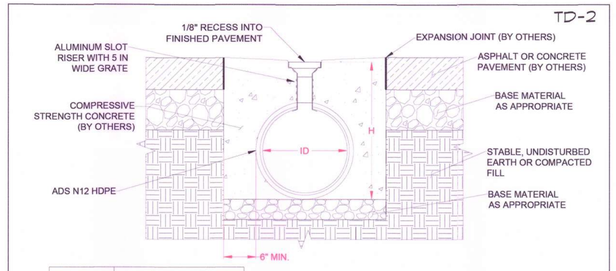
CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

K1D-B-ECP	K100 - KLASSIKDRAIN - LOAD CLASS: B Exposed Concrete Pavement	ACO Polymer Products, Inc.
DATE: 08/16/16	INSTALLATION DRAWING - ACO DRAIN	825 W. Beechcraft St, Casa Grande, AZ 85122, Tel: 520-421-9988, Fax: 520-421-9899 / 9470 Pinecrest Dr, Mentor, OH 44060, Tel: 440-639-7230, Fax: 440-639-7235 / 4211 Pleasant Rd, Fort Mill, SC 29708, Tel: 440-639-7230, Fax: 803-802-1063

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 800-543-4764

SEE LANDSCAPE PLANS FOR GRATE DETAIL

1 / C9.11 ACO K-100 KLASSIK DRAIN INSTALLATION DETAIL
NOT TO SCALE



Nominal Diameter, ID, in. (mm)	Depth of Invert, H, in. (mm)	
	Minimum	Maximum
6 (150)	12.50 (318)	30.00 (762)
8 (200)	14.50 (368)	32.00 (813)
10 (250)	16.50 (419)	34.00 (864)
12 (300)	19.00 (483)	48.00 (1219)
15 (375)	22.00 (559)	51.00 (1295)
18 (450)	25.00 (635)	54.00 (1372)
24 (600)	31.25 (794)	60.00 (1524)
30 (750)	38.25 (972)	66.00 (1676)
36 (900)	44.25 (1024)	72.00 (1829)

NOTES:
1. BACKFILL DESIGN SHOULD BE USED FOR HS-20 LOADING APPLICATIONS.
2. SITE ENGINEER TO PROVIDE SITE SPECIFIC DETAILS, SUCH AS CONCRETE STRENGTH.
3. REFER TO ADS TECH NOTE 2.11 FOR ADDITIONAL DESIGN INFORMATION.
4. SLOT RECESS IS NOT INCLUDED IN DEPTH OF INVERT TABLES.

© 2022 ADS, INC.
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION TO ENSURE THAT THE PROJECT REQUIREMENTS ARE MET. IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS ARE MET AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D
0	-	-	-	-

Duraslot XL Heavy Traffic Installation
DRAWING NUMBER: STD-14629
ADS Advanced Drainage Systems, Inc. 4640 TRUEMAN BLVD HILLIARD, OHIO 43026
SIZE: ADS
DATE: 04-18-2023
SCALE: NTS
SHEET: 1 OF 1

2 / C9.11 DURASLOT XL HEAVY TRAFFIC INSTALLATION DETAIL
NOT TO SCALE

MD-378 CONSTRUCTION SPECIFICATIONS

THESE SPECIFICATIONS ARE APPROPRIATE TO ALL PONDS WITHIN THE SCOPE OF THE STANDARD FOR PRACTICE MD-378. ALL REFERENCES TO ASTM AND AASHTO SPECIFICATIONS APPLY TO THE MOST RECENT VERSION.

SITE PREPARATION

AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT, AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED. CHANNEL BANKS AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1. ALL TREES SHALL BE CLEARED AND GRUBBED WITHIN 15 FEET OF THE TOE OF THE EMBANKMENT.

AREAS TO BE COVERED BY THE RESERVOIR WILL BE CLEARED OF ALL TREES, BRUSH, LOGS, FENCES, RUBBISH AND OTHER OBJECTIONABLE MATERIAL UNLESS OTHERWISE DESIGNATED ON THE PLANS. TREES, BRUSH, AND STUMPS SHALL BE CUT APPROXIMATELY LEVEL WITH THE GROUND SURFACE. FOR DRY STORMWATER MANAGEMENT PONDS, A MINIMUM OF A 25-FOOT RADIUS AROUND THE INLET STRUCTURE SHALL BE CLEARED.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF OUTSIDE AND BELOW THE LIMITS OF THE DAM AND RESERVOIR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. WHEN SPECIFIED, A SUFFICIENT QUANTITY OF TOPSOIL WILL BE STOCKPILED IN A SUITABLE LOCATION FOR USE ON THE EMBANKMENT AND OTHER DESIGNATED AREAS.

EARTH FILL

MATERIAL - THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREAS. IT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6", FROZEN OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE EMBANKMENT, AND CUT OFF TRENCH SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL AND MUST HAVE AT LEAST 30% PASSING THE #200 SIEVE. CONSIDERATION MAY BE GIVEN TO THE USE OF OTHER MATERIALS IN THE EMBANKMENT IF DESIGNED BY A GEOTECHNICAL ENGINEER. SUCH SPECIAL DESIGNS MUST HAVE CONSTRUCTION SUPERVISED BY A GEOTECHNICAL ENGINEER.

MATERIALS USED IN THE OUTER SHELL OF THE EMBANKMENT MUST HAVE THE CAPABILITY TO SUPPORT VEGETATION OF THE QUALITY REQUIRED TO PREVENT EROSION OF THE EMBANKMENT.

PLACEMENT - AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8 INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. THE MOST PERMEABLE BORROW MATERIAL SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT. THE PRINCIPAL SPILLWAY MUST BE INSTALLED CONCURRENTLY WITH FILL PLACEMENT AND NOT EXCAVATED INTO THE EMBANKMENT.

COMPACTION - THE MOVEMENT OF THE HAULING AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE ENTIRE SURFACE OF EACH LIFT SHALL BE TRAVERSED BY NOT LESS THAN ONE TREAD TRACK OF HEAVY EQUIPMENT OR COMPACTION SHALL BE ACHIEVED BY A MINIMUM OF FOUR COMPLETE PASSES OF A SHEEPSFOOT, RUBBER TIRED OR VIBRATORY ROLLER. FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SUCH THAT THE REQUIRED DEGREE OF COMPACTION WILL BE OBTAINED WITH THE EQUIPMENT USED. THE FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SO THAT IF FORMED INTO A BALL IT WILL NOT CRUMBLE, YET NOT BE SO WET THAT WATER CAN BE SQUEEZED OUT.

WHEN REQUIRED BY THE REVIEWING AGENCY THE MINIMUM REQUIRED DENSITY SHALL NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 12% OF THE OPTIMUM. EACH LAYER OF FILL SHALL BE COMPACTED AS NECESSARY TO OBTAIN THAT DENSITY, AND IS TO BE CERTIFIED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99 (STANDARD PROCTOR).

CUT OFF TRENCH - THE CUTOFF TRENCH SHALL BE EXCAVATED INTO IMPERVIOUS MATERIAL ALONG OR PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE BOTTOM WIDTH OF THE TRENCH SHALL BE GOVERNED BY THE EQUIPMENT USED FOR EXCAVATION, WITH THE MINIMUM WIDTH BEING FOUR FEET. THE DEPTH SHALL BE AT LEAST FOUR FEET BELOW EXISTING GRADE OR AS SHOWN ON THE PLANS. THE SIDE SLOPES OF THE TRENCH SHALL BE 1 TO 1 OR FLATTER. THE BACKFILL SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT. ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY.

EMBANKMENT CORE - THE CORE SHALL BE PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE TOP WIDTH OF THE CORE SHALL BE A MINIMUM OF FOUR FEET. THE HEIGHT SHALL EXTEND UP TO AT LEAST THE 10 YEAR WATER ELEVATION OR AS SHOWN ON THE PLANS. THE SIDE SLOPES SHALL BE 1 TO 1 OR FLATTER. THE CORE SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT, ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY. IN ADDITION, THE CORE SHALL BE PLACED CONCURRENTLY WITH THE OUTER SHELL OF THE EMBANKMENT.

STRUCTURE BACKFILL

BACKFILL ADJACENT TO PIPES OR STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. THE FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND COMPACTED BY HAND TAMPERS OR OTHER MANUALLY DIRECTED COMPACTION EQUIPMENT. THE MATERIAL NEEDS TO FILL COMPLETELY ALL SPACES UNDER AND ADJACENT TO THE PIPE. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE STRUCTURE OR PIPE, UNLESS THERE IS A COMPACTED FILL OF 24" OR GREATER OVER THE STRUCTURE OR PIPE.

STRUCTURE BACKFILL MAY BE FLOWABLE FILL MEETING THE REQUIREMENTS OF MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 313 AS MODIFIED. THE MIXTURE SHALL HAVE A 100-200 PSI, 28 DAY UNCONFINED COMPRESSIVE STRENGTH. THE FLOWABLE FILL SHALL HAVE A MINIMUM PH OF 4.0 AND A MINIMUM RESISTIVITY OF 2,000 OHM-CM. MATERIAL SHALL BE PLACED SUCH THAT A MINIMUM OF 6" (MEASURED PERPENDICULAR TO THE OUTSIDE OF THE PIPE) OF FLOWABLE FILL SHALL BE UNDER (BEDDING), OVER AND, ON THE SIDES OF THE PIPE. IT ONLY NEEDS TO EXTEND UP TO THE SPRING LINE FOR RIGID CONDUITS. AVERAGE SLUMP OF THE FILL SHALL BE 7" TO ASSURE FLOWABILITY OF THE MATERIAL. ADEQUATE MEASURES SHALL BE TAKEN (SAND BAGS, ETC.) TO PREVENT FLOATING THE PIPE. WHEN USING FLOWABLE FILL, ALL METAL PIPE SHALL BE BITUMINOUS COATED. ANY ADJOINING SOIL FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND COMPACTED BY HAND TAMPERS OR OTHER MANUALLY DIRECTED COMPACTION EQUIPMENT. THE MATERIAL SHALL COMPLETELY FILL ALL VOIDS ADJACENT TO THE FLOWABLE FILL ZONE. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A STRUCTURE OR PIPE UNLESS THERE IS A COMPACTED FILL OF 24" OR GREATER OVER THE STRUCTURE OR PIPE. BACKFILL MATERIAL OUTSIDE THE STRUCTURAL BACKFILL (FLOWABLE FILL) ZONE SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE CORE OF THE EMBANKMENT OR OTHER EMBANKMENT MATERIALS.

PIPE CONDUITS

ALL PIPES SHALL BE CIRCULAR IN CROSS SECTION.

REINFORCED CONCRETE PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR REINFORCED CONCRETE PIPE:

1. MATERIALS - REINFORCED CONCRETE PIPE SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS AND SHALL EQUAL OR EXCEED ASTM C-361.
2. BEDDING - REINFORCED CONCRETE PIPE CONDUITS SHALL BE LAID IN A CONCRETE BEDDING / CRADLE FOR THEIR ENTIRE LENGTH. THIS BEDDING / CRADLE SHALL CONSIST OF HIGH SLUMP CONCRETE PLACED UNDER THE PIPE AND UP THE SIDES OF THE PIPE AT LEAST 50% OF ITS OUTSIDE DIAMETER WITH A MINIMUM THICKNESS OF 6 INCHES. WHERE A CONCRETE CRADLE IS NOT NEEDED FOR STRUCTURAL REASONS, FLOWABLE FILL MAY BE USED AS DESCRIBED IN THE "STRUCTURE BACKFILL" SECTION OF THIS STANDARD. GRAVEL BEDDING IS NOT PERMITTED.
3. LAYING PIPE - BELL AND SPIGOT PIPE SHALL BE PLACED WITH THE BELL END UPSTREAM. JOINTS SHALL BE MADE IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL. AFTER THE JOINTS ARE SEALED FOR THE ENTIRE LINE, THE BEDDING SHALL BE PLACED SO THAT ALL SPACES UNDER THE PIPE ARE FILLED. CARE SHALL BE EXERCISED TO PREVENT ANY DEVIATION FROM THE ORIGINAL LINE AND GRADE OF THE PIPE. THE FIRST JOINT MUST BE LOCATED WITHIN 4 FEET FROM THE RISER.
4. BACKFILLING SHALL CONFORM TO "STRUCTURE BACKFILL".
5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

DRAINAGE DIAPHRAGMS - WHEN A DRAINAGE DIAPHRAGM IS USED, A REGISTERED PROFESSIONAL ENGINEER WILL SUPERVISE THE DESIGN AND CONSTRUCTION INSPECTION.

CONCRETE

CONCRETE SHALL MEET THE REQUIREMENTS OF MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 414, MIX NO. 3.

CARE OF WATER DURING CONSTRUCTION

ALL WORK ON PERMANENT STRUCTURES SHALL BE CARRIED OUT IN AREAS FREE FROM WATER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL TEMPORARY DIKES, LEVEES, COFFERDAMS, DRAINAGE CHANNELS, AND STREAM DIVERSIONS NECESSARY TO PROTECT THE AREAS TO BE OCCUPIED BY THE PERMANENT WORKS. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL NECESSARY PUMPING AND OTHER EQUIPMENT REQUIRED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE WORK AND FOR MAINTAINING THE EXCAVATIONS, FOUNDATION, AND OTHER PARTS OF THE WORK FREE FROM WATER AS REQUIRED OR DIRECTED BY THE ENGINEER FOR CONSTRUCTING EACH PART OF THE WORK. AFTER HAVING SERVED THEIR PURPOSE, ALL TEMPORARY PROTECTIVE WORKS SHALL BE REMOVED OR LEVELED AND GRADED TO THE EXTENT REQUIRED TO PREVENT OBSTRUCTION IN ANY DEGREE WHATSOEVER OF THE FLOW OF WATER TO THE SPILLWAY OR OUTLET WORKS AND SO AS NOT TO INTERFERE IN ANY WAY WITH THE OPERATION OR MAINTENANCE OF THE STRUCTURE. STREAM DIVERSIONS SHALL BE MAINTAINED UNTIL THE FULL FLOW CAN BE PASSED THROUGH THE PERMANENT WORKS. THE REMOVAL OF WATER FROM THE REQUIRED EXCAVATION AND THE FOUNDATION SHALL BE ACCOMPLISHED IN A MANNER AND TO THE EXTENT THAT WILL MAINTAIN STABILITY OF THE EXCAVATED SLOPES AND BOTTOM REQUIRED EXCAVATIONS AND WILL ALLOW SATISFACTORY PERFORMANCE OF ALL CONSTRUCTION OPERATIONS. DURING THE PLACING AND COMPACTING OF MATERIAL IN REQUIRED EXCAVATIONS, THE WATER LEVEL AT THE LOCATIONS BEING REFILLED SHALL BE MAINTAINED BELOW THE BOTTOM OF THE EXCAVATION AT SUCH LOCATIONS WHICH MAY EQUIRE DRAINING THE WATER SUMPS FROM WHICH THE WATER SHALL BE PUMPED.

STABILIZATION

ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BERMS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING IN ACCORDANCE WITH THE NATURAL RESOURCES CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR CRITICAL AREA PLANTING (MD-342) OR AS SHOWN ON THE ACCOMPANYING DRAWINGS.

EROSION AND SEDIMENT CONTROL

CONSTRUCTION OPERATIONS WILL BE CARRIED OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND AIR POLLUTION MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDIMENT CONTROL MEASURES.

ADDITIONAL NOTES:

PROVIDE IMPERVIOUS CORE AND CUTOFF TRENCH MEETING USCS GC, SC, CH, OR CL WITH A MINIMUM OF 30% PASSING NO. 200 SIEVE. DEPTH AND SUITABILITY OF IMPERVIOUS CUTOFF TRENCH SHALL BE DETERMINED IN THE FIELD BY A GEOTECHNICAL ENGINEER. CUTOFF MUST EXTEND A MINIMUMOF 12 INCHES INTO IMPERVIOUS FOUNDATION MATERIAL.

MANHOLES, INLETS AND FIELD CONNECTIONS THAT ARE LOCATED CLOSER TO THE EMBANKMENT THAN INDICATED ABOVE MUST BE MADE FULLY WATERTIGHT BY MEANS OF SPECIFICALLY DESIGNED SEALANTS/WRAPS THAT MEET ASTM C-990, ASTM C-877, OR AASHTO M-198.

VERTICAL EXCAVATIONS, INCLUDING SHORED EXCAVATIONS, ARE NOT ACCEPTABLE FOR SPILLWAY CONDUIT INSTALLATION WITHIN AN EMBANKMENT OR IN THE FOUNDATION. USE OF VERTICAL TRENCHES CAN RESULT IN STRESS DIFFERENTIALS WITHIN THE SOIL MATRIX (E.G., ARCHING EFFECTS) THAT CAN PROMOTE SETTLEMENT, CRACKING OR SEEPAGE. WHERE TRENCHING IS NECESSARY TO INSTALL SPILLWAY CONDUITS, EXCAVATION SIDE SLOPES SHOULD BE TWO (2) HORIZONTAL TO ONE (1) VERTICAL (2H:1V) OR FLATTER.

THE USE OF GRAVEL OR OTHER FREE-DRAINING BEDDING MATERIAL IS NOT ACCEPTABLE UNDER SPILLWAY CONDUITS, RISERS OR OUTLET STRUCTURES. WHERE NECESSARY, A WORKING SLAB OR MUD MAT (FOUR (4)TO SIX (6) INCHES THICK) OF CONCRETE OR FLOWABLE FILL MAY BE USED AT THE BOTTOM EXCAVATION. IF UNDERCUT IS NECESSARY DUE TO POOR SOIL CONDITIONS, THE AREAS SHOULD BE BACKFILLED WITH COMPACTED FILL, FLOWABLE FILL (AKA "CONTROLLED LOW STRENGTH MATERIAL", PER MDOT SHA SPECIFICATIONS) OR CONCRETE AS DIRECTED BY THE DESIGN ENGINEER.

ALL SPILLWAY JOINTS MUST BE WATERTIGHT TO PREVENT INFILTRATION OF EMBANKMENT SOIL INTO THE CONDUIT. ALL JOINTS MUST BE CONSTRUCTED AS DESIGNED BY PIPE MANUFACTURER. "FIELD JOINTS", WHERE THE ENDS OF THE PIPES ARE CUT OFF IN THE FIELD ARE NOT ACCEPTABLE.

ALL PIPE GASKETS MUST BE PROPERLY LUBRICATED WITH THE MATERIAL (VEGETABLE GREASE OR SOAP) PROVIDED OR APPROVED BY THE PIPE MANUFACTURER. USE OF INCORRECT LUBRICANT MAY CAUSE DETERIORATION OF GASKET MATERIAL. THE GASKET SHOULD BE PROPERLY "TENSIONED". FAILURE TO DO THIS MAY RESULT IN IMPROPER JOINTS THAT ARE NOT WATERTIGHT, OR MAY CAUSE PIPE FAILURE.

REINFORCED CONCRETE PIPE INSTALLED IN A DAM EMBANKMENT AND ASSOCIATED WITH A CONCRETE STRUCTURE (E.G., RISER, ENDWALL) MUST BE INSTALLED PRIOR TO CONSTRUCTION OF THE STRUCTURE WITH THE STRUCTURE THEN CAST AROUND THE PIPE. THE FIRST DOWNSTREAM JOINT OF THE PIPE SHOULD BE NO LESS THAN TWO (2) FEET BUT NO MORE THAN FOUR (4) FEET FROM THE OUTSIDE FACE OF THE STRUCTURE WALL.

WITHIN 30 DAYS FOLLOWING INSTALLATION, ALL SPILLWAY CONDUITS SHOULD BE VISUALLY INSPECTED. ANY CRACKS, DIFFERENTIAL MOVEMENT, EFFLORESCENCE, RUST STAINS, SPALLS, EXPOSED REINFORCEMENT, SLABBING, DENTS, BUCKLING, HOLES, DAMAGED COATING, OBSTRUCTIONS, IMPROPERLY ENGAGED JOINTS, IMPROPER GASKET PLACEMENT, EXCESSIVE JOINT GAPS, MISALIGNED JOINTS, EXCESSIVE DEFLECTION, OR UNDUE HORIZONTAL OR VERTICAL MISALIGNMENT WILL BE CAUSE FOR REPAIR OR REPLACEMENT. VIDEO INSPECT PIPES THAT CANNOT BE PHYSICALLY ACCESSED FOR INSPECTION.

OWNER
BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

ADDRESS
WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

APPROVED:
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

DWG. FILENAME:

SEAL
STATE OF MARYLAND · RYAN J. FRED · 31068 · PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 31068 EXPIRATION DATE: 06/07/2025
ENGINEER: MK CONSULTING ENGINEERS, LLC, 1801 PORTER ST., SUITE 401, BALTIMORE, MD 21230, RYAN FRED, PE, PHONE: 443-812-2485, EMAIL: RFRED@MKCENG.COM
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
R.O.W NO.	GSW	14SW19, 14SW20, 15SW19, 15SW20	PLAN SCALE: AS SHOWN; PROFILE SCALE: AS SHOWN, AS SHOWN

DGN BY: RJP
DWN BY: RJP/SJG
CHK'D BY: RJP

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
SWM NOTES & DETAILS
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
SWM SHEET 12 OF 17	C9.11 / 24111 PPO
JOB ORDER NUMBER	300200006
SHEET 44 OF 302	
DRAWING NUMBER	2024 - 1357
FILE NO.: 8	REV. 10/20

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025
THE REVIEW OF THESE PLANS DOES NOT RELIEVE THE OWNER, ARCHITECT, ENGINEER OR CONTRACTOR OF ANY RESPONSIBILITY WHATEVER FOR THE DESIGN, STRENGTH OR SAFETY OF THE CONSTRUCTION IT COVERS. ALL CONSTRUCTION MUST CONFORM TO THE BUILDING AND FIRE CODES INCLUDING DETAILS SHOWN OR NOT SHOWN. THE REVIEW OF THESE PLANS COVERS BASIC BUILDING CODE ITEMS. ADDITIONAL COMMENTS MAY BE ATTACHED. APPROVED PLANS MUST REMAIN AT BUILDING SITE UNTIL COMPLETION.

FINDLING, INC. — BORING LOG

Boring 1 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-1 | Station: , ' | Ground Surface Elevation (ft.): 267.4
Easting: 1392495.24 | Northing: 580317.82 | Logged by: D. Tajhya
Date Started: 10/3/23 | Date Completed: 10/4/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 33.9 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼ 8.8	258.6	END	10/4/23
▽ 5.1	262.3	24 hrs.	10/5/23
▼ 25.0	242.4	on the rod	10/4/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
28.7	238.7	END	10/4/23
23.9	243.5	24 hrs.	10/5/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.3	267.07	Topsoil = 4"								
		Multi-brown, moist, medium stiff, Silty CLAY (CL); little Sand, Mica; trace Roots (Possible FILL)	1	2-2-4	1.0 - 2.5	16	41			
3.5	263.87		2	5-7-9	3.5 - 5.0	15				
		Brown, green, damp, stiff, Sandy elastic SILT (MH); little Clay	3	6-6-7	6.0 - 7.5	16	35.4	52	17	
8.5	258.87	Brown, green, moist, very stiff, Clayey SILT (ML); little Sand, Quartz Fragments	4	7-6-10	8.5 - 10.0	18	16.2			
13.5	253.87	Brown, green, moist, very stiff SILT (ML); little Clay, f. Sand, Rock Fragments	5	14-14-15	13.5 - 15.0	15				
18.5	248.87	Multi-colored, moist, stiff SILT (ML); little Clay, f. to m. Sand, Rock Fragments	6	4-6-6	18.5 - 20.0	14	46			
23.5	243.87	Brown, green, moist, hard SILT (ML); little Clay, f. Sand, Rock Fragments	7	13-17-19	23.5 - 25.0	12				Hard Augering 25' to 33.5'
			8	14-22-22	28.5 - 30.0	14				
33.5	233.87									
33.9	233.47	Green, grey, damp, very hard SILT size particles with Rock Fragments; little f. Sand size particles (RPBSBS)	9	50/5"	33.5 - 33.9	4				RPBSBS - Rock Penetrated by Split Barrel Sampler
		Bottom of Boring @ 33.9 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 2 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-2 | Station: , ' | Ground Surface Elevation (ft.): 272.0
Easting: 1392431.77 | Northing: 580248.91 | Logged by: D. Tajhya
Date Started: 10/3/23 | Date Completed: 10/3/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 33.8 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼ 6.6	265.4	END	10/3/23
▽ 4.3	267.7	24 hrs.	10/4/23
▼ 25.5	246.5	on the rod	10/3/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
28.5	243.5	END	10/3/23
22.0	250.0	24 hrs.	10/4/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	271.64	Topsoil = 5"								Boring offsetted due to Underground Utility
		Brown, moist, medium stiff, Silty CLAY (CL); trace f. Sand	1	2-3-3	1.0 - 2.5	14	29.8			
4.0	268.04	Multi-brown, moist, medium dense, Silty Clayey SAND (SC-SM); some Quartz Fragments	2	6-9-11	3.5 - 5.0	18				
6.0	266.04	Light green, tan, moist, stiff SILT (ML); little Clay; little to trace f. Sand	3	3-4-7	6.0 - 7.5	18	27.8			
			4	4-4-6	8.5 - 10.0	18				
13.5	258.54	Light green, brown, red, moist, very stiff SILT (ML); little Clay; trace f. Sand	5	5-8-8	13.5 - 15.0	18				
18.5	253.54	Light brown, light green, damp, very stiff SILT (ML); little Clay, Rock Fragments; trace Sand	6	5-7-10	18.5 - 20.0	18				
23.5	248.54	Green, grey, damp, dense, f. to m. Silty SAND (SM); little Clay, Rock Fragments	7	5-8-28	23.5 - 25.0	18				
28.5	243.54	Green, grey, moist, very hard SILT size particles with Rock Fragments; little to some f. Sand size particles (RPBSBS)	8	50/3"	28.5 - 28.8	3				Hard Augering 28.5'-33.5'
33.8	238.24	Bottom of Boring @ 33.8 '	9	50/3"	33.5 - 33.8	3				RPBSBS - Rock Penetrated by Split Barrel Sampler

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 3 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-3 | Station: , ' | Ground Surface Elevation (ft.): 281.1
Easting: 1392571.16 | Northing: 580140.16 | Logged by: D. Tajhya
Date Started: 10/3/23 | Date Completed: 10/3/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 23.8 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/3/23
▽ 8.3	272.8	24 hrs.	10/4/23
▼		on the rod	10/3/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
18.7	262.4	END	10/3/23
17.6	263.5	24 hrs.	10/4/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	280.65	Topsoil = 5"								Boring offsetted due to Underground Utility
		Multi-brown, moist, stiff SILT (ML); little Clay, f. Sand (FILL)	1	4-5-8	1.0 - 2.5	12	25.5			
3.5	277.55	Multi-brown, green, damp, desne to medium dense, f. to m. Silty SAND (SM); trace Clay, Rock Fragments	2	10-12-14	3.5 - 5.0	10				
			3	5-7-14	6.0 - 7.5	14				
8.5	272.55	Light brown, light green to grey, damp, very dense, f. to m. SAND size particles with Silt size particles (RPBSBS)	4	11-50/6"	8.5 - 9.5	12				
			5	50/6"	13.5 - 14.0	6				
18.5	262.55	Green, grey, damp, very hard SILT size particles; some f. Sand size particles (RPBSBS)	6	8-16-50/5"	18.5 - 19.4	16				RPBSBS - Rock Penetrated by Split Barrel Sampler
23.8	257.25	Bottom of Boring @ 23.8 '	7	50/4"	23.5 - 23.8	4				

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 4 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-4 | Station: , ' | Ground Surface Elevation (ft.): 290.5
Easting: 1392690.58 | Northing: 580038.19 | Logged by: D. Tajhya
Date Started: 9/29/23 | Date Completed: 10/2/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: 2 in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 33.5 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼			
▽ 12.0	278.5	24 hrs.	10/3/23
▼ 18.5	272.0	on the rod	

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
28.5	262.0		
27.4	263.1	24 hrs.	10/3/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.3	290.23	Topsoil = 4"								Boring offsetted due to Underground Utility Bulk sample @ 1'-5'
		Brown, damp, stiff SILT (ML); little Clay; trace Sand	1	5-7-8	1.0 - 2.5	9	13.2	42	12	
3.5	287.03	Multi-brown, green, red, damp, dense, f. to m. SAND (SP) with Rock Fragments; little Silt	2	15-19-21	3.5 - 5.0	8				
			3	14-17-21	6.0 - 7.5	8				
8.5	282.03	Green, damp, very dense, f. to m. SAND size particles with Rock Fragments; little to some Silt size particles (RPBSBS)	4	25-31-50/3"	8.5 - 9.8	10				Hard Augering 9.5'-33.5'
			5	50/1"	13.5 - 13.6	1				RPBSBS - Rock Penetrated by Split Barrel Sampler
			6	50/5"	18.5 - 18.9	5				
			7	50/4"	23.5 - 23.8	4				
			8	50/2"	28.5 - 28.7	1				
33.5	257.03	ROCK	Run-1	18%	33.5 - 38.5	66%				Auger & Spoon Refusal @ 33.5'
			Run-2	66%	38.5 - 43.5	100%				
43.5	247.03	Bottom of Boring @ 43.5 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 5 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-5 | Station: , ' | Ground Surface Elevation (ft.): 289.7
Easting: 1392795.87 | Northing: 580168.35 | Logged by: D. Tajhya
Date Started: 10/11/23 | Date Completed: 10/11/23
Inspector: D. Tajhya | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 28.5 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼ 20.3	269.4	END	10/11/23
▽			
▼		on the rod	10/11/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
24.3	265.4	END	10/11/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.3	289.37	Gravel = 4"								
		Brown, moist, stiff, Silty CLAY (CL); trace Sand	1	3-4-5	1.0 - 2.5	9	33.4			
3.5	286.17	Light brown, brown, moist, medium dense, f. Silty SAND (SM); trace Clay	2	5-6-10	3.5 - 5.0	11	30.6			
6.0	283.67	Multi-brown, green, moist, medium dense, f. to m. Silty SAND (SM); trace Rock Fragments, Clay	3	7-11-11	6.0 - 7.5	12				
8.5	281.17	Green, moist, dense to medium dense, f. to m. Silty SAND (SM); none to trace Rock Fragments	4	7-12-21	8.5 - 10.0	15				
13.5	276.17	Green, moist, very stiff SILT (ML); some f. to m. SAND; none to trace Rock Fragments	5	11-13-13	13.5 - 15.0	12	21.7	43	14	
17.5	272.17	Greensih grey, moist, very dense, f. Silty SAND size particles; trace Rock Fragmetns (RPBSBS)	6	14-30-42	18.5 - 20.0	15				
23.5	266.17	Greenish grey, moist, very dense, f. SAND size particles with Rock Fragments; some Silt size particles (RPBSBS)	7	50/4"	23.5 - 23.8	4				RPBSBS - Rock Penetrated by Split Barrel Sampler; Hard Augering below 26'
28.5	261.17	Bottom of Boring @ 28.5 '								Auger & Spoon Refusal @ 28.5'

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 6 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: RW-6 | Station: , ' | Ground Surface Elevation (ft.): 287.9
Easting: 1392879.15 | Northing: 580290.96 | Logged by: D. Tajhya
Date Started: 10/9/23 | Date Completed: 10/9/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 23.5 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/9/23
▽ 15.2	272.7	48 hrs.	10/11/23
▼		on the rod	10/9/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
19.6	268.3	END	10/9/23
18.0	269.9	48 hrs.	10/11/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.3	287.63	Topsoil = 4"								
		Orange, brown, damp, stiff, Silty CLAY (CL); little f. Sand	1	3-5-6	1.0 - 2.5	8	23.6	36	14	
3.5	284.43	Light brown, light green, brown, damp, dense, f. m. Silty SAND (SM); trace to little Rock Fragments	2	11-16-17	3.5 - 5.0	5	7.4			Bulk sample @ 1'-5'
			3	11-15-19	6.0 - 7.5	8				
			4	16-19-15	8.5 - 10.0	9				
13.5	274.43	Brown, green, damp, very stiff SILT (ML); little Clay, f. Sand	5	6-8-11	13.5 - 15.0	18	53.6			
18.5	269.43	Green, grey, damp, very dense SAND size particles with Rock Fragments; some to little Silt size particles (RPBSBS)	6	50/5"	18.5 - 18.9	5				Hard Augering 18.5'-23.5'; RPBSBS - Rock Penetrated by Split Barrel Sampler; Auger & Spoon Refusal @ 23.5
23.5	264.43	Bottom of Boring @ 23.5 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 7 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-1 | Station: , ' | Ground Surface Elevation (ft.): 276.4
Easting: 1392751.6 | Northing: 580311.85 | Logged by: D. Tajhya
Date Started: 10/11/23 | Date Completed: 10/11/23
Inspector: D. Tajhya | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 13.5 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/11/23
▽			
▼		on the rod	10/11/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
10.3	266.1	END	10/11/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	276.03	HMA = 5"								
1.3	275.13	Subbase = 10"								
		Brown, moist, loose, f. Silty SAND (SM); trace Rock Fragments, Clay (Possible FILL)	1	2-3-5	1.0 - 2.5	13	28.4			
3.5	272.93	Multi-brown to green, moist, medium dense, f. to m. Silty SAND (SM); trace Quartz Gravel, Rock Fragments (Possible FILL)	2	6-11-17	3.5 - 5.0	12				
6.0	270.43	Multi-brown, green, moist, very dense, f. to m. SAND (SP); trace Silt, Rock Fragments	3	9-22-37	6.0 - 7.5	11	12.6			Petroleum odor on sample S-3
8.0	268.43	Greenish grey, moist, very hard SILT size particles with Rock Fragments; trace Sand size particles (RPBSBS)	4	50/3"	8.5 - 8.8	3				Hard Augering below 8'; RPBSBS - Rock Penetrated by Split Barrel Sampler
13.5	262.93	Bottom of Boring @ 13.5 '								Spoon & Auger Refusal @ 13.5'

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 8 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-2 | Station: , ' | Ground Surface Elevation (ft.): 283.0
Easting: 1392791.67 | Northing: 580274.63 | Logged by: D. Tajhya
Date Started: 10/5/23 | Date Completed: 10/5/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: 2 in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 28.5 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼			
▽ 11.0	272.0	24 hrs.	10/6/23
▼ 18.5	264.5	on the rod	

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
26.0	257.0		
20.7	262.3	24 hrs.	10/6/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	282.60	Topsoil = 5"								
		Brown, orange, damp, stiff, fat CLAY (CH); trace f. Sand	1	3-3-6	1.0 - 2.5	14	12.1	50	25	
3.5	279.50	Multi-brown, damp, very stiff, fat CLAY (CH); little f. to m. Sand, Rock Fragments	2	9-7-9	3.5 - 5.0	10	25.8			Bulk sample @ 1'-5'
6.0	277.00	Brown, green, damp, stiff, Sandy SILT (ML)	3	7-9-13	6.0 - 7.5	18	13.4	NV	NP	
8.5	274.50	Multi-brown, green, damp, very stiff SILT (ML); little Clay, f. to m. Sand, Rock Fragments	4	6-10-21	8.5 - 10.0	12				
13.5	269.50	Brown, green, damp, very dense, f. to m. SAND size particles; little Rock Fragments (RPBSBS)	5	13-26-44	13.5 - 15.0	14				
18.5	264.50	Brown, green, moist to damp, very dense, f. to m. SAND size particles with Rock Fragments; some to little Silt size particles (RPBSBS)	6	16-50/6"	18.5 - 19.5	10				Hard Augering below 19'; RPBSBS - Rock Penetrated by Split Barrel Sampler
			7	50/2"	23.5 - 23.7	2				
28.5	254.50	ROCK	Run-1	68%	28.5 - 33.5	100%				Auger & Spoon Refusal @ 28.5'
33.5	249.50	Bottom of Boring @ 33.5 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 9 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-3 | Station: , ' | Ground Surface Elevation (ft.): 277.6
Easting: 1392665.85 | Northing: 580249.68 | Logged by: D. Tajhya
Date Started: 10/5/23 | Date Completed: 10/9/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: 2 in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 11.3 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼			
▽			
▼		on the rod	

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
11.6	266.0		

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	277.17	HMA = 5"								
1.3	276.27	Subbase = 11"								
		Brown, damp, medium stiff, Silty CLAY (CL); trace f. Sand	1	2-2-5	1.0 - 2.5	13	25.2			
3.5	274.07	Multi-brown, green, damp, very stiff SILT (ML); little Clay, f. to m. Sand	2	4-6-11	3.5 - 5.0	18	17.2			
6.0	271.57	Multi-brown, green, damp, medium dense, f. to m. Silty SAND (SM); little Clay	3	7-5-8	6.0 - 7.5	16	24.9			
8.5	269.07	Brown, green, damp, very dense, f. to m. SAND size particles with Rock Fragments; some to little Silt size particles (RPBSBS)	4	50/5"	8.5 - 8.9	5				Hard Augering below 8.5'; RPBSBS - Rock Penetrated by Split Barrel Sampler; Auger Refusal @ 11.3'
			5	50/1"	11.2 - 11.3	0				
11.3	266.27	ROCK; Soil seam at 13.4' to 15.3' & various depths between 16.3' to 21.3'	Run-1	20%	11.3 - 16.3	68%				
			Run-2	18%	16.3 - 21.3	60%				
21.3	256.27	Bottom of Boring @ 21.3 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 10 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-4 | Station: , ' | Ground Surface Elevation (ft.): 279.0
Easting: 1392678.07 | Northing: 580190.28 | Logged by: D. Tajhya
Date Started: 10/5/23 | Date Completed: 10/5/23
Inspector: D. Fincham | Driller: D. Pryor

Rig Type: Truck-45; Rig No.: R-2; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 19 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/5/23
▽			
▼ 16.5	262.5	on the rod	10/5/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
12.0	267.0	END	10/5/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	278.58	HMA = 5"								
1.3	277.68	Subbase = 11"								
		Brown, green, damp, stiff SILT (ML); little Clay, f. Sand	1	3-6-9	1.0 - 2.5	15	23.8			
3.5	275.48	Orange, brown, green, moist, very stiff, Clayey SILT (ML); trace f. Sand	2	5-7-9	3.5 - 5.0	14	35.2	48	15	
6.0	272.98	Green, brown, damp, very hard SILT (ML); little to some f. to m. Sand; little Rock Fragments	3	4-22-45	6.0 - 7.5	14	10.6			
8.5	270.48	Green, brown, damp, very stiff SILT (ML); little f. to m. SAND	4	11-11-19	8.5 - 10.0	15	22.5			
13.5	265.48	Green, damp, very dense, f. to m. SAND size particles with Rock Fragments; little Silt size particles (RPBSBS)	5	50/3"	13.5 - 13.8	3				Hard Augering below 13.5'; RPBSBS - Rock Penetrated by Split Barrel Sampler; Auger & Spoon Refusal @ 18.5'
19.0	259.98	Bottom of Boring @ 19 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 11 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-5 | Station: , ' | Ground Surface Elevation (ft.): 277.5
Easting: 1392586.99 | Northing: 580314.64 | Logged by: D. Tajhya
Date Started: 10/4/23 | Date Completed: 10/4/23
Inspector: D. Fincham | Driller: D. Pryor

Rig Type: Truck-45; Rig No.: R-2; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 32.3 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼ 20.0	257.5	END	10/5/23
▽ 14.2	263.3	24 hrs.	10/6/23
▼ 31.0	246.5	on the rod	10/5/23

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
25.1	252.4	END	10/5/23
23.3	254.2	24 hrs.	10/6/23

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.3	277.18	Topsoil = 3"	1	2-2-3	0.0 - 1.5	16				
		Brown, green, damp, loose, Clayey SAND (SC); little Silt, Mica, Rock Fragments (Possible FILL)	2	4-4-5	2.5 - 4.0	17	14.5			
5.0	272.48	Brown, damp, medium dense, Silty SAND (SM); little Mica, Rock Fragments (Possible FILL)	3	4-6-7	5.0 - 6.5	6				
7.5	269.98	Brown, green, moist, stiff, Silty CLAY (CL); little f. Sand	4	3-4-7	7.5 - 9.0	16	25.1			
10.0	267.48	Brown, green, damp, very stiff SILT (ML); little f. Sand	5	6-10-14	10.0 - 11.5	18	22.6			
			6	4-8-10	15.0 - 16.5	18				
20.0	257.48	Green, brown, damp, stiff SILT (ML); little f. Sand, Clay	7	6-6-8	20.0 - 21.5	18				
25.0	252.48	Light green, brown, damp, hard SILT (ML); little f. Sand	8	8-14-20	25.0 - 26.5	18				
30.0	247.48	Light green, brown, damp, very hard SILT size particles with Rock Fragments; little f. Sand size particles (RPBSBS)	9	32-50/4"	30.0 - 30.8	10				Hard Augering below 31' RPBSBS - Rock Penetrated by Split Barrel Sampler
32.5	244.98	Bottom of Boring @ 32.3 '	10	50/1"	32.2 - 32.3	0				

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

FINDLING, INC. — BORING LOG

Boring 12 of 22 — Sheet 1 of 1

Contract No.: 22-1034-01 | Project Description: Wilkens Police Precinct Building
Boring No.: B-6 | Station: , ' | Ground Surface Elevation (ft.): 277.5
Easting: 1392579.37 | Northing: 580241.19 | Logged by: D. Tajhya
Date Started: 10/6/23 | Date Completed: 10/6/23
Inspector: D. Fincham | Driller: J. Acord

Rig Type: ATV; Rig No.: D-50; Drive Hammer Weight: 140 lbs.; Auger Size: 3-1/4 in.; Size of Core: 2 in.; Size of Bit OD: in.; Hammer Energy Ratio: %; Auger Depth: 27.1 ft.

WATER TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼			
▽			
▼ 23.5	254.0	on the rod	

CAVE-IN TABLE Depth (ft.)	Elev (ft.)	Time (hours)	Date
23.0	254.5		

Depth in Feet	Elev. in Feet	Material Description	Sample No.	Blows/RQD	Sample Depth	Rec. SPT(in) or Core (%)	NMC (%)	LL (%)	PI (%)	Remarks
0.4	277.12	HMA = 5"								Boring offsetted due to Underground Utility
1.4	276.12	Subbase = 12"								
		Grey, brown, moist, medium stiff, Silty CLAY (CL); little Sand (FILL)	1	5-2-3	1.0 - 2.5	12				
			2	2-2-2	3.5 - 5.0	5	20.6			
6.0	271.52	Multi-brown, green, moist, stiff, Silty CLAY (CL); little f. to m. Sand	3	3-4-5	6.0 - 7.5	18				
8.5	269.02	Green, damp, dense, f. to m. SAND (SP) with Rock Fragments; trace Silt	4	20-20-18	8.5 - 10.0	15				
13.5	264.02	Green, brown, damp, hard SILT (ML); little f. Sand	5	10-19-29	13.5 - 15.0	10				
18.5	259.02	Green, brown, damp, very hard SILT size particles; some Rock Fragmetns; little f. Sand size particles (RPBSBS)	6	10-25-42	18.5 - 20.0	12				
23.5	254.02	Green, brown, damp, very dense, f. to m. SAND size particles with Rock Fragments; some Silt size particles (RPBSBS)	7	16-32-50/3"	23.5 - 24.8	14				RPBSBS - Rock Penetrated by Split Barrel Sampler
27.1	250.42	ROCK	8	50/1"	27.0 - 27.1	0				
			Run-1	35%	27.1 - 32.1	90%				
			Run-2	33%	32.1 - 37.1	86%				
37.1	240.42	Bottom of Boring @ 37.1 '								

22-1034-01 MURPHYDIT WILKENS POLICE PRECINCT BLDG.GPJ-11/7/23

Legend: NMC - Natural Moisture Content; PI - Plasticity Index; REC - Recovery; MATL - Material Graphics; SPT - Standard Penetration Test; RQD - Rock Quality Designation; LL - Liquid Limit; Elev - Elevation; Geotech - Geotechnical; OD - Outside Diameter

Boring and Sampling Conforms to ASTM/AASHTO.

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS
@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: [signature]
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 13 OF 17

SEAL: STATE OF MARYLAND — RYAN J PIKE — 51066 — PROFESSIONAL ENGINEER
DATE: 4/4/25

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066, EXPIRATION DATE 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST., SUITE 401
BALTIMORE, MD 21230
RYAN PIKE, PE
PHONE: 667-210-2485
EMAIL: RPIKE@MKCENG.COM

DGN BY: RJP | DWN BY: RJP/SJG | CHKD BY: RJP

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	AS SHOWN
			R.O.W NO.			PROFILE SCALE:	AS SHOWN / AS SHOWN
CONTRACT COMPLETION BOX							

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: ______ PROPERTY MANAGER
DATE: ______

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

BORING LOGS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
C10.00	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 45 OF 302
	DRAWING NUMBER: 2024 - 1358
	FILE NO.: 8

REV. 03/22

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025
THE ISSUE OF THIS PLANS DOES NOT RELIEVE THE OWNER, DESIGNER, CONTRACTOR OR AGENT FROM THE RESPONSIBILITY FOR COMPLYING WITH THIS DESIGN, ALL PUBLIC AND PRIVATE COVENANTS, EASEMENTS AND RESTRICTIONS AFFECTING THE USE OF THE BUILDING AND/OR LAND INCLUDED IN SAID BUILDING USE. THE ISSUE OF THIS PERMIT DOES NOT PREVENT THE COUNTY FROM REQUIRING CORRECTIONS TO ERRORS IN THE APPROVED PLANS WHEN THEY ARE DISCOVERED BY AN OFFICIAL OF BALTIMORE COUNTY.

FINDLING, INC.

BORING LOG

Boring 13 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-1 Station: , Ground Surface Elevation (ft.):275.6
Easting: 1392696.32 Northing: 580412.99 Logged by: D. Tajhya
Date Started: 10/5/23 Date Completed: 10/5/23
Inspector: D. Fincham Driller: D. Pryor

Rig Type Truck-45
Rig No. R-2
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 10 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/5/23
▽		24 hrs.	10/6/23
↧		on the rod	10/5/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 5.5	270.1	END	10/5/23
▥ 5.0	270.6	24 hrs.	10/6/23

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	275.3		TOPSOIL = 6"								
			Subbase = 12"								
			Orange, brown, damp, stiff, Clayey SILT (ML); trace f. Sand	1	4-5-7	1.0 - 2.5	12	14.6	42	15	
3.5	272.12										Bulk sample @ 1'-0"
			Brown, green, damp, medium dense, f. to m. Silty SAND (SM)	2	5-8-10	3.5 - 5.0	6				
6.0	269.62										
			Green, brown, damp, very stiff SILT (ML); some f. to m. SAND	3	6-9-14	6.0 - 7.5	14				
10.0	265.62										
			Bottom of Boring @ 10'	4	9-13-14	8.5 - 10.0	16				

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 14 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-2 Station: , Ground Surface Elevation (ft.):275.8
Easting: 1392748.68 Northing: 580363.42 Logged by: D. Tajhya
Date Started: 10/4/23 Date Completed: 10/4/23
Inspector: D. Fincham Driller: D. Pryor

Rig Type Truck-45
Rig No. R-2
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 10 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/4/23
▽			
↧		on the rod	10/4/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 4.1	271.7	END	10/4/23
▥			

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.2	275.58		TOPSOIL = 2.5"								
1.2	274.58		Subbase = 12"								
			Green, brown, moist, very stiff SILT (ML); little Clay, f. to m. Sand, Rock Fragments	1	5-50/5"	1.0 - 1.9	10				
3.5	272.28										
			Green, brown, grey, damp, medium dense to very dense to dense, f. to m. Silty SAND (SM); little to some Rock Fragments	2	9-13-14	3.5 - 5.0	18				
				3	28-40-50/4"	6.0 - 7.3	16				
10.0	265.78		Bottom of Boring @ 10'	4	19-21-21	8.5 - 10.0	15				

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 15 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-3 Station: , Ground Surface Elevation (ft.):287.7
Easting: 1392803.23 Northing: 580230.19 Logged by: D. Tajhya
Date Started: 10/9/23 Date Completed: 10/9/23
Inspector: D. Fincham Driller: D. Pryor

Rig Type Truck-45
Rig No. R-2
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 16.4 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/9/23
▽			
↧		on the rod	10/9/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 6.1	278.6	END	10/9/23
▥			

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	287.43		Topsoil = 3"								
			Brown, orange, grey, moist, medium stiff, Sandy elastic SILT (MH); trace Rock Fragments (Possible F.ILL)	1	8-4-3	0.0 - 1.5	14	17.7	50	20	
				2	3-4-6	2.5 - 4.0	14				Bulk sample @ 1'-0"
5.0	282.71		Brown, orange, moist, very stiff SILT (ML); little Sand, Rock Fragments	3	6-9-11	5.0 - 6.5	18				
6.5	281.73										
7.5	280.21		Grey, green, moist, medium dense to very dense, Silty SAND (SM); little Rock Fragments	4	6-9-11	7.5 - 9.0	18				
11.0	276.71		Green, grey, moist, very dense SAND size particles with Rock Fragments; little Silt size particles	5	17-25-35	10.0 - 11.5	18				Hard Augering below 10'0"
15.1	272.63										
16.4	271.31		Bottom of Boring @ 16.4 '	6	4-9-50/5"	15.0 - 16.4	12				

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 16 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-4 Station: , Ground Surface Elevation (ft.):288.2
Easting: 1392745.87 Northing: 580156.98 Logged by: D. Tajhya
Date Started: 10/9/23 Date Completed: 10/9/23
Inspector: D. Fincham Driller: D. Pryor

Rig Type Truck-45
Rig No. R-2
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 15.1 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/9/23
▽			
↧		on the rod	10/9/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 9.3	278.9	END	10/9/23
▥			

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	287.93		Topsoil = 3"								
			Brown, red, dry, stiff, Silty CLAY (CL); trace Sand (Possible F.ILL)	1	5-6-7	0.0 - 1.5	11				
				2	4-5-9	2.5 - 4.0	13	27.6			Bulk sample @ 1'-0"
5.0	283.23		Brown, moist, very stiff SILT (ML); little f. to m. SAND, Rock Fragments	3	5-9-11	5.0 - 6.5	18	33.7			
6.5	281.73		Grey, green, moist, very dense, Silty SAND (SM); little Rock Fragments	4	5-17-49	7.5 - 9.0	18				
9.0	279.23		Green, grey, moist, very hard SILT size particles with Rock Fragments; little Sand size particles	5	50/3"	10.0 - 10.3	3				Hard Augering below 9'0"
15.1	273.13		Bottom of Boring @ 15.1 '	6	50/1"	15.0 - 15.1	0				

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 17 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-5 Station: , Ground Surface Elevation (ft.):287.8
Easting: 1392683.16 Northing: 580097.67 Logged by: D. Tajhya
Date Started: 10/2/23 Date Completed: 10/2/23
Inspector: D. Fincham Driller: J. Acord

Rig Type ATV
Rig No. D-50
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/2/23
▽		24 hrs.	10/3/23
↧		on the rod	10/2/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 10.8	278.9	END	10/2/23
▥ 10.8	277.0	24 hrs.	10/3/23

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	287.50		Topsoil = 3"								
			Orange, brown, moist, stiff, elastic SILT (MH); trace f. Sand	1	3-4-4	1.0 - 2.5	8	28.8	66	22	
3.5	284.32		Light brown, green, moist, medium stiff to stiff, elastic SILT (MH); trace f. Sand	2	5-4-5	3.5 - 5.0	10				Bulk sample @ 1'-0"
				3	3-5-7	6.0 - 7.5	14	157.9	94	26	
8.5	279.32		Light brown, green, damp, very stiff SILT (ML); little Clay; trace f. Sand	4	5-8-10	8.5 - 10.0	18				
13.5	274.32		Orange, brown, damp, very stiff SILT (ML); trace Clay, f. Sand	5	6-7-11	13.5 - 15.0	18				
15.0	272.82		Bottom of Boring @ 15'								

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 18 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. P-6 Station: , Ground Surface Elevation (ft.):278.8
Easting: 1392562.33 Northing: 580190.05 Logged by: D. Tajhya
Date Started: 10/6/23 Date Completed: 10/6/23
Inspector: D. Fincham Driller: J. Acord

Rig Type ATV
Rig No. D-50
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 5 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/6/23
▽			
↧		on the rod	10/6/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 4.5	274.3	END	10/6/23
▥			

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	278.49		TOPSOIL = 4"								
			Subbase = 12"								
1.4	277.35		Multi-brown, green, damp, medium stiff to stiff SILT (ML); trace to little f. Sand, Rock Fragments; trace Clay	1	3-2-4	1.0 - 2.5	18				
				2	4-6-5	3.5 - 5.0	15				Bulk sample @ 1'-0"
5.0	273.75		Bottom of Boring @ 5 '								

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 19 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. SWM-1 Station: , Ground Surface Elevation (ft.):266.4
Easting: 1392593.64 Northing: 580421.22 Logged by: D. Tajhya
Date Started: 10/4/23 Date Completed: 10/4/23
Inspector: D. Fincham Driller: J. Acord

Rig Type ATV
Rig No. D-50
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 10 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/4/23
▽		24 hrs.	10/5/23
↧		on the rod	10/4/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 6.3	260.1	END	10/4/23
▥ 5.7	260.7	24 hrs.	10/5/23

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	266.13		Topsoil = 3"								
			Green, brown, damp, stiff SILT (ML); little Clay, f. to m. Sand, Rock Fragments	1	4-4-6-7	0.0 - 2.0	12				
2.0	264.43		Green, brown, damp, very stiff SILT (ML); some f. Sand; trace Clay, Rock Fragments	2	8-8-10-11	2.0 - 4.0	10				
4.0	262.43			3	9-9-13-16	4.0 - 6.0	15	19.6	44	15	
				4	6-9-10-13	6.0 - 8.0	15				
				7	11-11-14-16	8.0 - 10.0	22				
10.0	256.43		Bottom of Boring @ 10 '								

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 20 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. SWM-2 Station: , Ground Surface Elevation (ft.):266.4
Easting: 1392567.78 Northing: 580393.79 Logged by: D. Tajhya
Date Started: 10/4/23 Date Completed: 10/4/23
Inspector: D. Fincham Driller: J. Acord

Rig Type ATV
Rig No. D-50
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 10 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/4/23
▽		24 hrs.	10/5/23
↧		on the rod	10/4/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 4.7	259.7	END	10/4/23
▥ 6.4	260.0	24 hrs.	10/5/23

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.2	266.17		Topsoil = 3"								
			Multi-brown, green, moist, medium stiff, Silty CLAY (CL); little f. Sand, trace Rocks	1	3-3-5-7	0.0 - 2.0	14				
2.0	264.37		Multi-brown, green, damp, very stiff, elastic SILT (MH); trace f. Sand	2	10-10-10-11	2.0 - 4.0	20	37.3	83	19	
4.0	262.37										
			Brown, green, moist, medium dense, f. Silty SAND (SM); little Clay, Mica	3	6-7-8-11	4.0 - 6.0	20				
6.0	260.95			4	4-9-14-15	6.0 - 8.0	18				
8.0	258.95		Green, brown, damp, very stiff SILT (ML); little f. Sand; trace Rock Fragments, Mica	5	9-10-10-14	8.0 - 10.0	18				
10.0	256.37		Bottom of Boring @ 10 '								

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 21 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. SWM-3 Station: , Ground Surface Elevation (ft.):267.0
Easting: 1392527.45 Northing: 580344.99 Logged by: D. Tajhya
Date Started: 10/4/23 Date Completed: 10/4/23
Inspector: D. Fincham Driller: J. Acord

Rig Type ATV
Rig No. D-50
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 10 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/4/23
▽		24 hrs.	10/5/23
↧		on the rod	10/4/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 6.9	260.1	END	10/4/23
▥ 6.9	260.1	24 hrs.	10/5/23

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	266.65		Topsoil = 3"								
			Multi-brown, green, moist, very stiff, fat CLAY (CH); little f. Sand, small Rock Fragments	1	3-3-3-6	0.0 - 2.0	8				
2.0	264.95			2	7-8-11-9	2.0 - 4.0	18	35	63	35	
4.0	262.95		Multi-brown, green, moist, medium dense, Silty SAND (SM); little Clay, small Rock Fragments	3	4-7-9-9	4.0 - 6.0	14	18.3	44	14	
6.0	260.95		Multi-brown, moist, stiff SILT (ML); little Clay, f. Sand	4	4-6-3-6	6.0 - 8.0	4				
8.0	258.95		Brown, green, moist, stiff SILT (ML); little f. Sand, Mica	5	6-6-9-10	8.0 - 10.0	20				
10.0	256.95		Bottom of Boring @ 10 '								

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

FINDLING, INC.

BORING LOG

Boring 22 of 22
Sheet 1 of 1

Contract No.: 22-1034-01 Project Description: Wilkens Police Precinct Building
Boring No. SWM-4 Station: , Ground Surface Elevation (ft.):277.1
Easting: 1392717.28 Northing: 580305.85 Logged by: D. Tajhya
Date Started: 10/4/23 Date Completed: 10/4/23
Inspector: D. Fincham Driller: D. Pryor

Rig Type Truck-45
Rig No. R-2
Drive Hammer Weight 140 lbs.
Auger Size 3-1/4 in.
Size of Core in.
Size of Bit OD in.
Hammer Energy Ratio %
Auger Depth 11.1 ft.

WATER TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▼		END	10/4/23
▽			
↧		on the rod	10/4/23

CAVE-IN TABLE

Depth Below Surface: Depth (ft.)	Elev (ft.)	Time (hours)	Date
▥ 6.3	270.8	END	10/4/23
▥			

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SAMPLE NO.	SPT SPOON/ROCK CORE BLOWS/ 6IN	SAMPLE DEPTH	REC. SPT/RQD or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	276.72		FILL = 3.5"								
1.3	275.72		Subbase = 11"								
			Brown, moist, stiff, Silty CLAY (CL); little Sand, Gravel (Possible FILL)	1	3-3-8-6	1.0 - 3.0	24				
3.0	274.07		Brown, green, moist, stiff SILT (ML); little to some f. Sand, little Clay	2	4-7-8-9	3.0 - 5.0	19				
5.0	272.07		Brown, green, damp, medium dense to very dense, f. to m. Silty SAND size particles; trace to little Rock Fragments (RPBSSS)	3	4-7-12-14	5.0 - 7.0	20				
				4	18-20-48-50/3"	7.0 - 8.8	18	4.2			
9.0	268.07		Brown, dry, very dense, f. SAND size particles with Rock Fragments; little Silt size particles (RPBSSS)	5	50/1"	9.0 - 9.1	1				
11.1	265.97		Bottom of Boring @ 11.1 '	6	50/1"	11.0 - 11.1	0				RPBSSS - Rock Penetrated by Split Barrel Sampler

Legend: NMC - Natural Moisture Content PI - Plasticity Index REC - Recovery MATL - Material Graphics SPT - Standard Penetration Test
RQD - Rock Quality Designation LL - Liquid Limit Elev - Elevation Geotech - Geotechnical OD - Outside Diameter
Boring and Sampling Conforms to ASTM D420/D1586

22-1034-01 MURPHY/OST WILKENS POLICE PRECINCT BLDG\SP-1-1/17/23

ADDRESS

WILKENS POLICE PRECINCT
901 WALKER AVE
CATONSVILLE, MD 21228

OWNER

BALTIMORE COUNTY
PROPERTY MANAGEMENT
12200A LONG GREEN PIKE
GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: AD055
@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED:
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

DWG. FILENAME:

SWM SHEET 14 OF 17

SEAL

STATE OF MARYLAND — RYAN J. PRELAND — 51066 — PROFESSIONAL ENGINEER

DATE: 4/4/25

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO: 51066 EXPIRATION DATE: 06/07/2025

ENGINEER: MK CONSULTING ENGINEERS, LLC
1801 PORTER ST, SUITE 401
BALTIMORE, MD 21230
(443) 210-2485
PHONE: 667-210-2485
EMAIL: RPKG@MKCENG.COM

AS-BUILT PER RECORD PRINT

BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY: RJP
DWN BY: RJP/SJG
CHKD BY: RJP

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE	AS SHOWN AS SHOWN

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

BORING LOGS

NEW BUILDING DESIGN

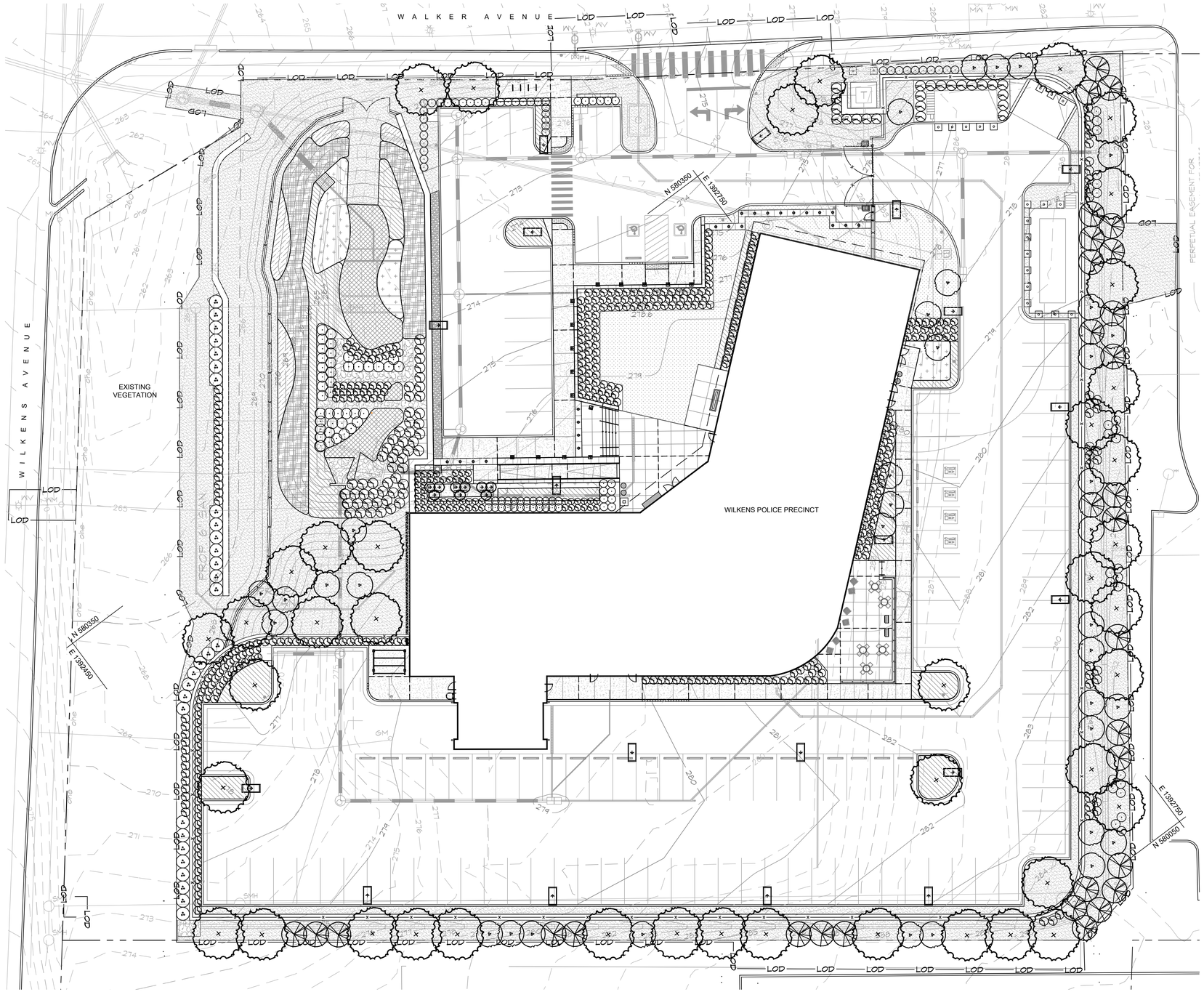
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
C10.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 46 OF 302	
DRAWING NUMBER	2024 - 1359
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND



1 OVERALL PLAN

1" = 20'

0 10' 20' 40' N

LANDSCAPE SHEET INDEX

Sheet Number	Sheet Name	100% CD Set
L0.00	LANDSCAPE - COVER SHEET & SHEET INDEX	●
L1.00	LANDSCAPE - MATERIALS PLAN	●
L1.01	LANDSCAPE - MATERIALS ENLARGEMENT	●
L1.02	LANDSCAPE - MATERIALS ENLARGEMENT	●
L1.10	LANDSCAPE - NOT USED	●
L2.00	LANDSCAPE - LAYOUT PLAN	●
L2.01	LANDSCAPE - LAYOUT PLAN ENLARGEMENT	●
L2.02	LANDSCAPE - LAYOUT PLAN ENLARGEMENT	●
L2.10	LANDSCAPE - PRECAST LAYOUT PLAN	●
L4.01	LANDSCAPE - SITE SECTIONS AND ELEVATIONS	●
L4.02	LANDSCAPE - SITE SECTIONS AND ELEVATIONS	●
L4.03	LANDSCAPE - SITE SECTIONS AND ELEVATIONS	●
L5.01	LANDSCAPE - HARDSCAPE DETAILS	●
L5.02	LANDSCAPE - HARDSCAPE DETAILS	●
L5.03	LANDSCAPE - HARDSCAPE DETAILS	●
L5.04	LANDSCAPE - HARDSCAPE DETAILS	●
L5.10	LANDSCAPE - HARDSCAPE DETAILS	●
L5.11	LANDSCAPE - HARDSCAPE DETAILS	●
L6.01	LANDSCAPE - SOILS PLAN	●
L7.01	LANDSCAPE - PLANTING PLAN	●
L7.02	LANDSCAPE - PLANTING ENLARGEMENTS	●
L7.10	LANDSCAPE - PLANTING DETAILS	●
L7.20	LANDSCAPE - PLANTING SCHEDULE	●

SEAL: STATE OF MARYLAND · MARK E. PELUSI JR. · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1" = 20' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - COVER SHEET & SHEET INDEX

NEW BUILDING DESIGN

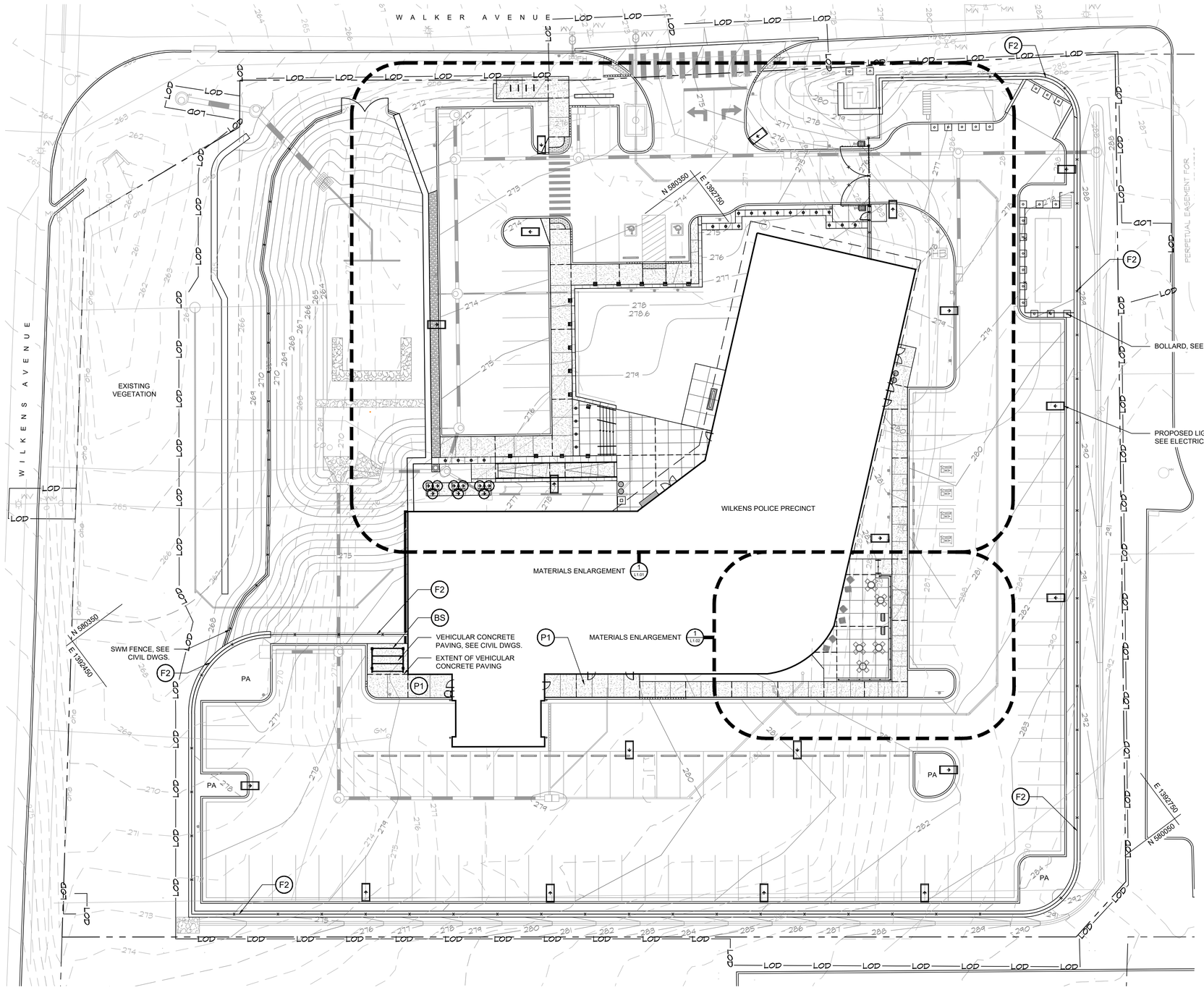
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L0.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 47 OF 302	
DRAWING NUMBER	2024-1360
FILE NO.: 8	

DWG. FILENAME:



HARDSCAPE KEY

PAVING

- P1 — 1 / L5.01 — CIVIL — PEDESTRIAN CONCRETE PAVEMENT

SITE AMENITIES

- BS — 5 / L5.10 — 32 33 00 — BIKE SHELTER
- F2 — 1 / L5.04 — 32 31 19 — PERIMETER FENCE
  STANDARD 10' HT. FENCE W/ BARBED WIRE W/ POSTS @ 8' O.C.
  2-3/8" Ø INTERMEDIATE POSTS, 2-7/8" Ø TERMINAL POSTS

- PA — PLANTING AREA, SEE SHEET L7.01
- ½" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)
- LOD — LIMIT OF DISTURBANCE
- PROPERTY BOUNDARY

NOTES:

1. SEED/SOD ALL DISTURBED AREAS NOT RECEIVING HARDSCAPE OR PLANTINGS UNLESS NOTED OTHERWISE
2. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED ON LIGHTING CONSULTANT DRAWINGS
3. ROAD, GRADING, CURB, CURB RAMPS, SIDEWALK LAYOUT & TOW - REFER TO CIVIL DRAWINGS.
4. ALL SURFACE AND SUB-SURFACE DRAINAGE, WATER CALCULATIONS ETC. - SEE MEP & CIVIL DRAWINGS.
5. ALL SITE WALLS OVER 3'-0" HT. TO BE REVIEWED AND DESIGNED BY STRUCTURAL ENGINEER.
6. REFER TO CIVIL DWGS. FOR BIORETENTION SOILS & DETAILS.

1 MATERIALS PLAN

1" = 20'

0 10' 20' 40' N

DWG. FILENAME:

SEAL: STATE OF MARYLAND — MARK E. PELUSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026				
LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.	DGN BY: MP	CONTRACT COMPLETION BOX		
AS–BUILT PER RECORD PRINT	DWN BY: LE/MQ			
BY: DATE:	CHKD BY: MP			

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W. NO.	GSW	14SW19	PLAN SCALE: 1" = 20'	APPROVED BY: PROPERTY MANAGER
		14SW20	PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - MATERIALS PLAN

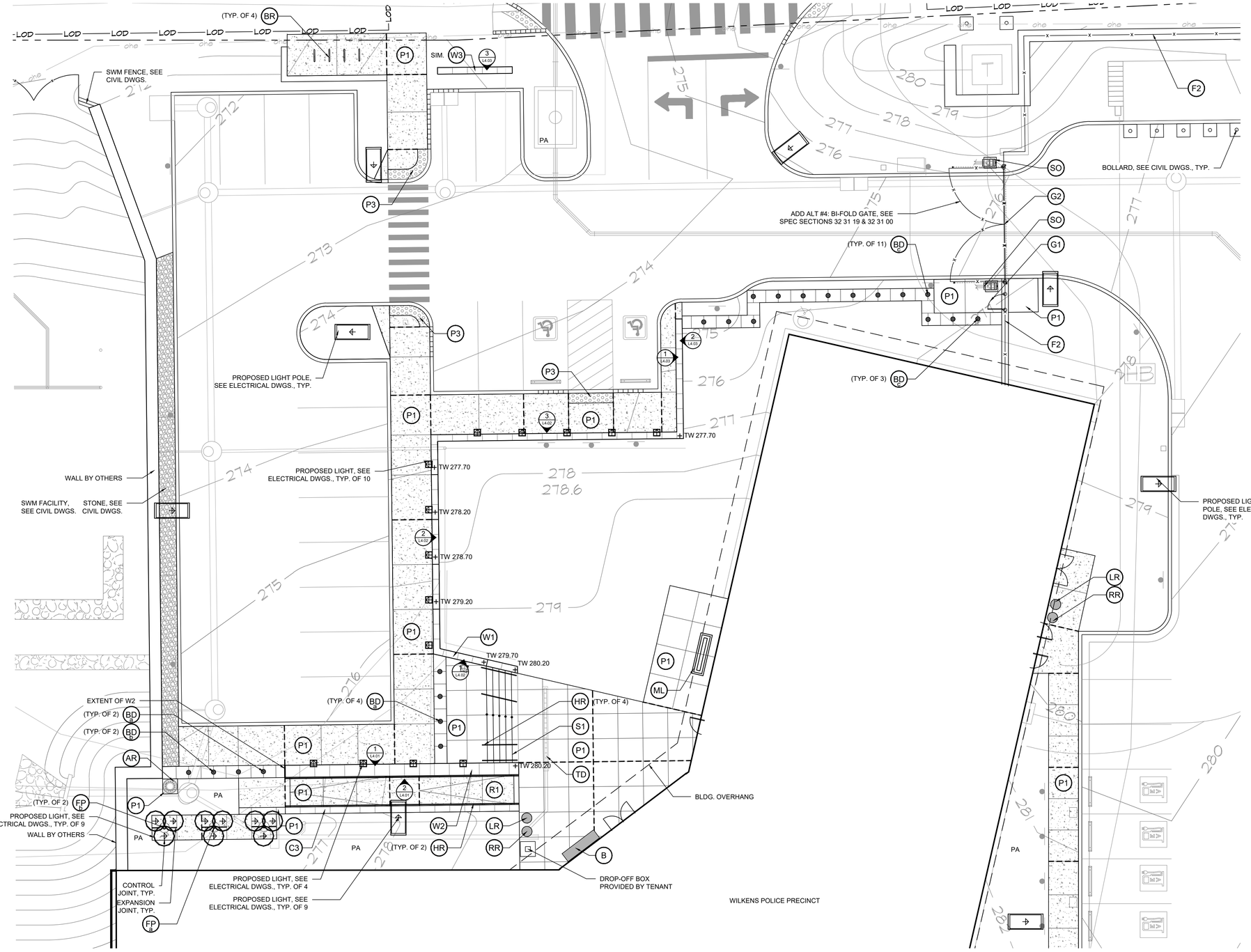
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L1.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 48 OF 302	
DRAWING NUMBER	2024-1361
FILE NO.: 8	REV. 0



HARDSCAPE KEY

PAVING

P1	1 L5.01	CIVIL	PEDESTRIAN CONCRETE PAVEMENT
P3	3 L5.01	32 14 00	DETECTABLE WARNING SURFACE
C3	5 L5.01	03 45 00	RAISED CONCRETE LANDSCAPE CURB

STAIRS, RAMPS, AND WALLS

HR	1 L5.02	05 52 13	STAINLESS STEEL HANDRAIL
ML			PROPOSED FUTURE MEMORIAL LOCATION, N.I.C.
R1	3 L5.02	CIVIL	RAMP
S1	1 L5.02	03 45 00	PRECAST STAIRS
W1	2 L5.03	03 45 00	W1 - WALL W/ PRECAST CONCRETE VENEER
W2	3 L5.03	03 45 00	W2 - WALL W/ PRECAST CONCRETE VENEER
W3	4 L5.03	03 45 00	W3 - WALL W/ PRECAST CONCRETE VENEER

SITE AMENITIES

B	1 L5.10	32 33 00	BENCH
BD	1 L5.03	32 33 00	BOLLARD
BR	2 L5.10	32 33 00	BIKE RACK
F2	1 L5.04	32 31 19	PERIMETER FENCE STANDARD 10' HT. CHAIN LINK FENCE W/ BARBED WIRE W/ POSTS @ MAX 10' O.C. 2-3/8" Ø INTERMEDIATE POSTS, 2-7/8" Ø TERMINAL POSTS
FP B		32 33 00	30' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 30'; OVERALL LENGTH: 33'; RECOMMENDED FLAG SIZE: 5' X 8'
FP H		32 33 00	25' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 25'; OVERALL LENGTH: 27'; RECOMMENDED FLAG SIZE: 4' X 6'
G1	2 L5.04	32 31 19	ENTRY GATE STANDARD 10' HT. CHAIN LINK GATE W/ BARBED WIRE. 2-3/8" Ø INTERMEDIATE POSTS, 2-7/8" Ø TERMINAL POSTS
G2	7 L5.10	32 31 19	AUTOMATED VEHICULAR SWING GATE STANDARD 8' HT. CHAIN LINK GATE W/ BARBED WIRE. 2-7/8" Ø TERMINAL POSTS
AR	3 L5.10	32 33 00	ASH RECEPTACLE
LR	3 L5.10	32 33 00	LITTER RECEPTACLE
SO	6 L5.10	32 31 00	SWING GATE OPERATOR
TD	4 L5.01	32 33 00	TRENCH DRAIN, SEE CIVIL DWGS.

PA — PLANTING AREA, SEE SHEET L7.01

½" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)

LOD — LIMIT OF DISTURBANCE

PROPERTY BOUNDARY

NOTES:

1. SEED/SOD ALL DISTURBED AREAS NOT RECEIVING HARDSCAPE OR PLANTINGS UNLESS NOTED OTHERWISE
2. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED ON LIGHTING CONSULTANT DRAWINGS
3. ROAD, GRADING, CURB, CURB RAMPS, SIDEWALK LAYOUT & TOW - REFER TO CIVIL DRAWINGS.
4. ALL SURFACE AND SUB-SURFACE DRAINAGE, WATER CALCULATIONS ETC. - SEE MEP & CIVIL DRAWINGS.
5. ALL SITE WALLS OVER 3'-0" HT. TO BE REVIEWED AND DESIGNED BY STRUCTURAL ENGINEER.
6. REFER TO CIVIL DWGS. FOR BIORETENTION SOILS & DETAILS.

1 MATERIALS ENLARGEMENT

1" = 10'

0 5' 10' 20' N

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELUSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY: MP | DRN BY: LE/MQ | CHKD BY: MP

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY: | DATE REVIEWED:

P.W.A. NO. | R.O.W. NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

PLAN SCALE: 1" = 10' | PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - MATERIALS ENLARGEMENT

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L1.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 49 OF 302
	DRAWING NUMBER
	2024-1362
	FILE NO.: 8

HARDSCAPE KEY

PAVING

P1 — 1 / L5.01 — CIVIL — PEDESTRIAN CONCRETE PAVEMENT

STAIRS AND WALLS

S2 — 2 / L5.02 — CIVIL — CIP CONCRETE STAIRS

W4 — 4 / L5.02 — CIVIL — WALL - PRIVACY SCREEN

SITE AMENITIES

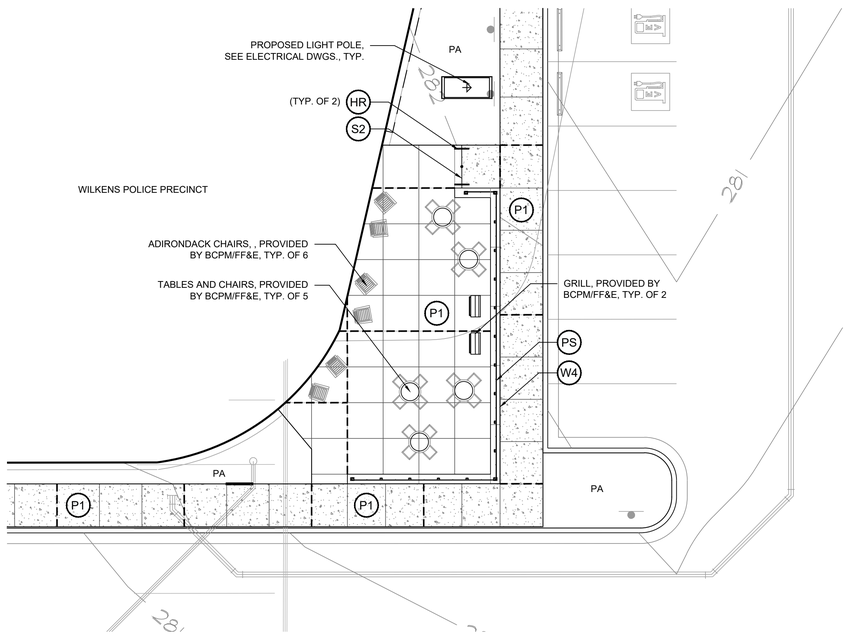
PS — 1 / L5.11 — 32 33 00 — PRIVACY SCREEN

PA — PLANTING AREA, SEE SHEET L7.01

– – – – – – ½" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)

——LOD—— LIMIT OF DISTURBANCE

—— – – —— PROPERTY BOUNDARY



1 MATERIALS ENLARGEMENT

1" = 10'

0 5' 10' 20' N

NOTES:

1. SEED/SOD ALL DISTURBED AREAS NOT RECEIVING HARDSCAPE OR PLANTINGS UNLESS NOTED OTHERWISE
2. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED ON LIGHTING CONSULTANT DRAWINGS
3. ROAD, GRADING, CURB, CURB RAMPS, SIDEWALK LAYOUT & TOW - REFER TO CIVIL DRAWINGS.
4. ALL SURFACE AND SUB-SURFACE DRAINAGE, WATER CALCULATIONS ETC. - SEE MEP & CIVIL DRAWINGS.
5. ALL SITE WALLS OVER 3'-0" HT. TO BE REVIEWED AND DESIGNED BY STRUCTURAL ENGINEER.
6. REFER TO CIVIL DWGS. FOR BIORETENTION SOILS & DETAILS.

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELUSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE — PLAN SCALE: 1" = 10' — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

DESIGNED BY: MP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: LE/MQ	REVIEWED BY:							
CHKD BY: MP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - MATERIALS ENLARGEMENT

NEW BUILDING DESIGN

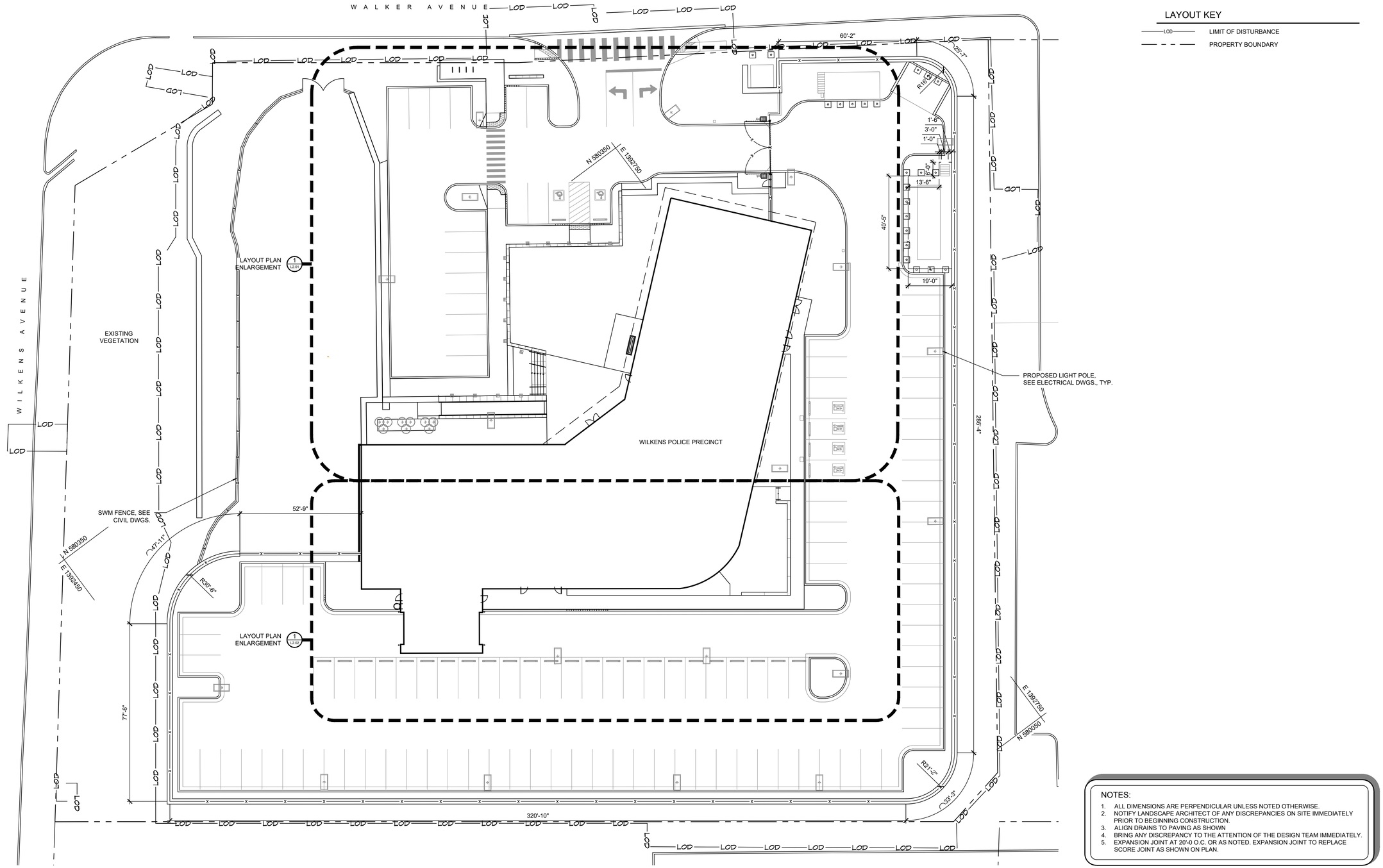
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
L1.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 50 OF 302	
DRAWING NUMBER	2024-1363
FILE NO.: 8	



LAYOUT KEY

LOD — LIMIT OF DISTURBANCE

PROPERTY BOUNDARY

NOTES:

1. ALL DIMENSIONS ARE PERPENDICULAR UNLESS NOTED OTHERWISE.
2. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES ON SITE IMMEDIATELY PRIOR TO BEGINNING CONSTRUCTION.
3. ALIGN DRAINS TO PAVING AS SHOWN
4. BRING ANY DISCREPANCY TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY.
5. EXPANSION JOINT AT 20'-0 O.C. OR AS NOTED. EXPANSION JOINT TO REPLACE SCORE JOINT AS SHOWN ON PLAN.

1 LAYOUT PLAN

1" = 20'

0 10' 20' 40' N

SEAL

STATE OF MARYLAND · MARK E. PELUSI, JR. · 1152 · LANDSCAPE ARCHITECT

DATE : June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.: 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DRN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT.
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1" = 20' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - LAYOUT PLAN

NEW BUILDING DESIGN

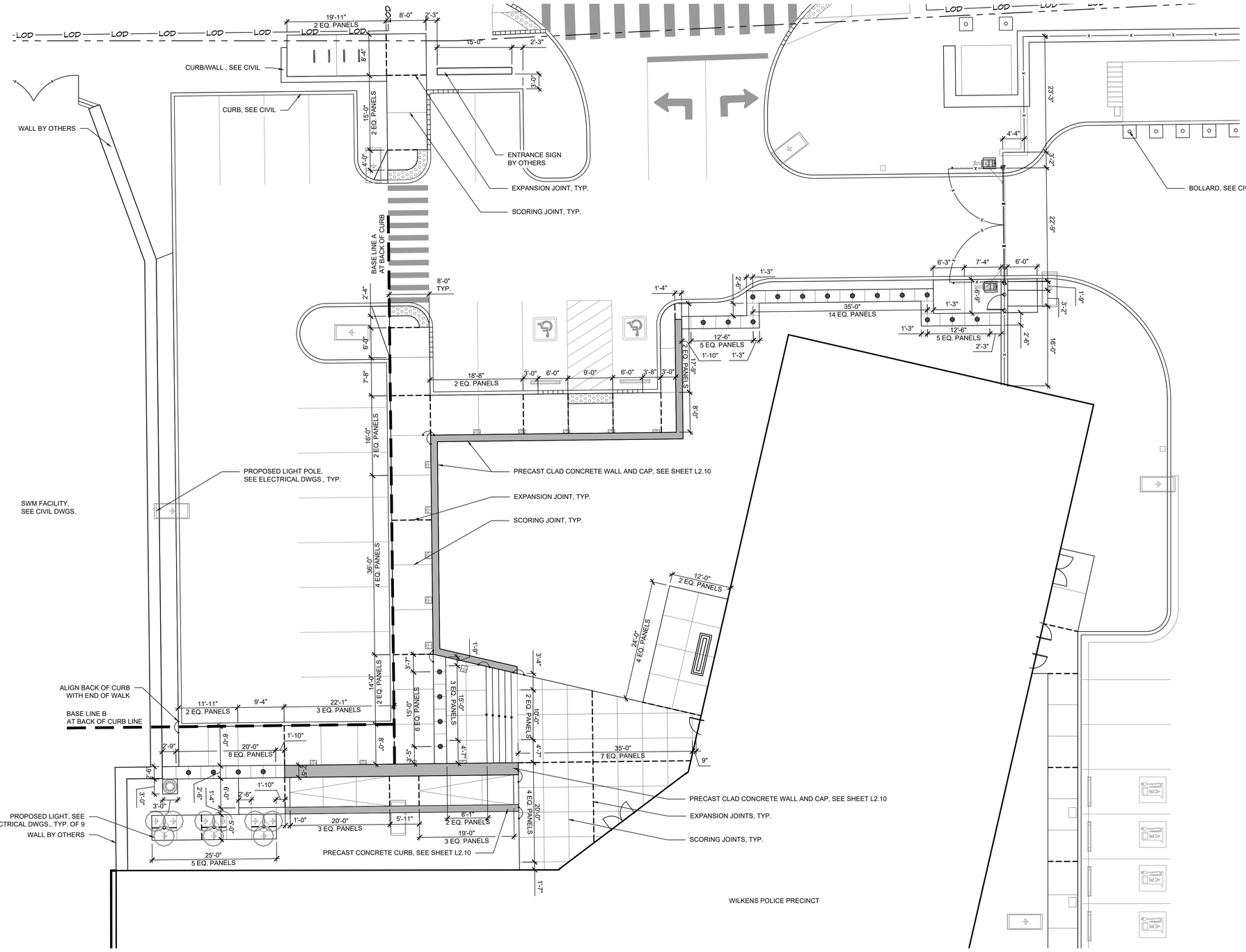
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L2.00	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 51 OF 302	
DRAWING NUMBER	2024-1364
FILE NO.: 8	

DWG. FILENAME:



LAYOUT KEY

- ALIGN
- EXPANSION JOINT, TYP.
- LOD — LIMIT OF DISTURBANCE
- PROPERTY BOUNDARY

NOTES:

1. ALL DIMENSIONS ARE PERPENDICULAR UNLESS NOTED OTHERWISE.
2. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES ON SITE IMMEDIATELY PRIOR TO BEGINNING CONSTRUCTION.
3. ALIGN DRAINS TO PAVING AS SHOWN
4. BRING ANY DISCREPANCY TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY.
5. EXPANSION JOINT AT 20'-0 O.C. OR AS NOTED. EXPANSION JOINT TO REPLACE SCORE JOINT AS SHOWN ON PLAN.

1 LAYOUT PLAN ENLARGEMENT

1" = 10'

0 5' 10' 20' N

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELUSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026				R.O.W NO.	GSW	14SW19	PLAN SCALE: 1" = 10'	APPROVED BY: PROPERTY MANAGER
	CONTRACT COMPLETION BOX					14SW20	PROFILE SCALE:	DATE:

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.	DGN BY: MP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS–BUILT PER RECORD PRINT	DWN BY: LE/MQ	REVIEWED BY:							
BY: DATE:	CHKD BY: MP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - LAYOUT PLAN ENLARGEMENT

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

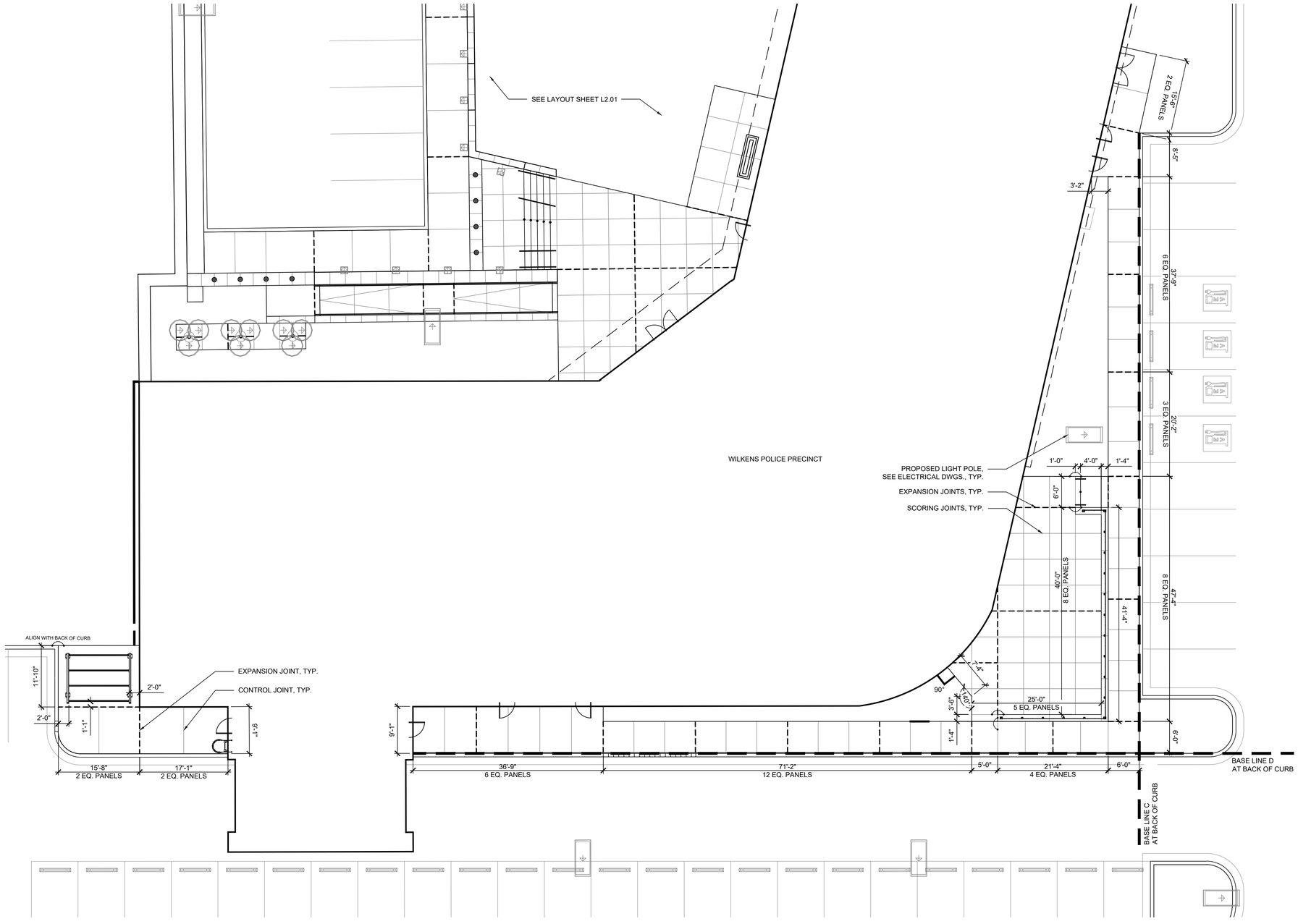
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L2.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 52 OF 302
	DRAWING NUMBER
	2024-1365
	FILE NO.: 8

LAYOUT KEY

ALIGN

EXPANSION JOINT, TYP.



NOTES:

1. ALL DIMENSIONS ARE PERPENDICULAR UNLESS NOTED OTHERWISE.
2. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES ON SITE IMMEDIATELY PRIOR TO BEGINNING CONSTRUCTION.
3. ALIGN DRAINS TO PAVING AS SHOWN
4. BRING ANY DISCREPANCY TO THE ATTENTION OF THE DESIGN TEAM IMMEDIATELY.
5. EXPANSION JOINT AT 20'-0 O.C. OR AS NOTED. EXPANSION JOINT TO REPLACE SCORE JOINT AS SHOWN ON PLAN.

1 LAYOUT PLAN ENLARGEMENT

1" = 10'

0 5' 10' 20' N

DWG. FILENAME:

SEAL

STATE OF MARYLAND — Mark E. Pelosi — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelosi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE: PLAN SCALE: 1" = 10' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - LAYOUT PLAN ENLARGEMENT

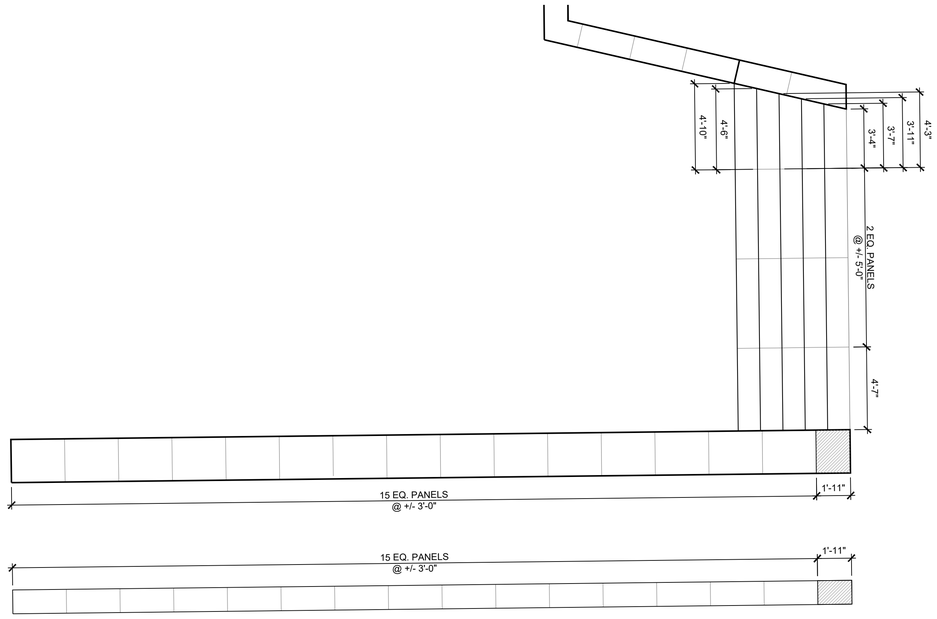
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

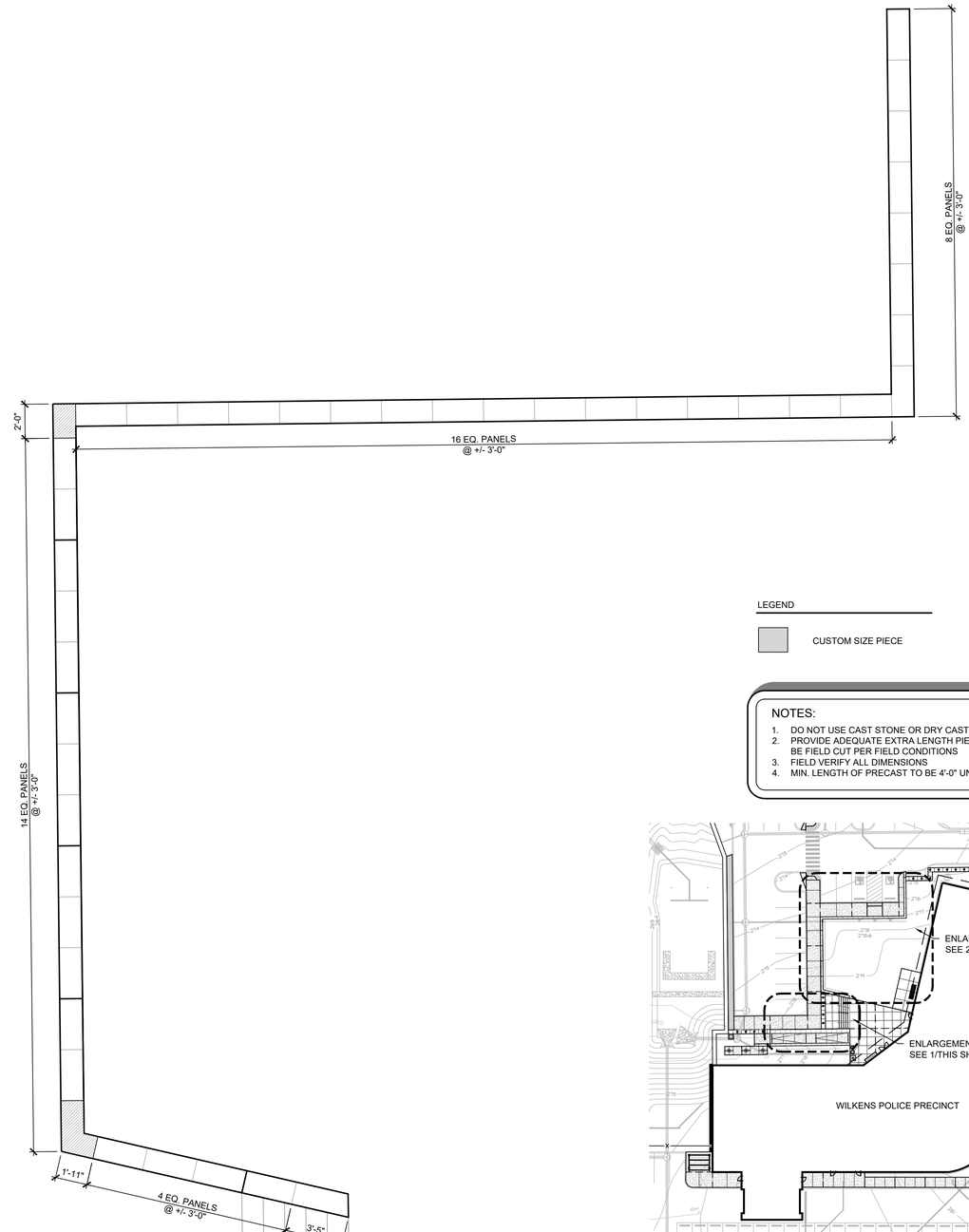
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L2.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 53 OF 302	
DRAWING NUMBER	2024-1366
FILE NO.: 8	



1 ENLARGEMENT A - STAIR, RAMP WALL, AND CURB LAYOUT PLAN

1/4" = 1'-0"



2 ENLARGEMENT B - WALL LAYOUT PLAN

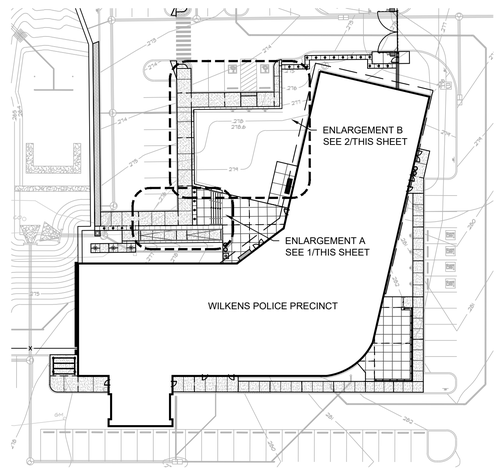
1/4" = 1'-0"

LEGEND

CUSTOM SIZE PIECE

NOTES:

1. DO NOT USE CAST STONE OR DRY CAST IN LIEU OF WET PRECAST
2. PROVIDE ADEQUATE EXTRA LENGTH PIECES AT ENDS WHICH CAN BE FIELD CUT PER FIELD CONDITIONS
3. FIELD VERIFY ALL DIMENSIONS
4. MIN. LENGTH OF PRECAST TO BE 4'-0" UNLESS NOTED OTHERWISE



KEY PLAN

SCALE : 1" = 40'

DWG. FILENAME:

SEAL

STATE OF MARYLAND
MARK E. PELOSI, JR.
1152
LANDSCAPE ARCHITECT

DATE : June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelosi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MP
DWN BY: LE/MQ
CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	1/4" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - PRECAST LAYOUT PLAN

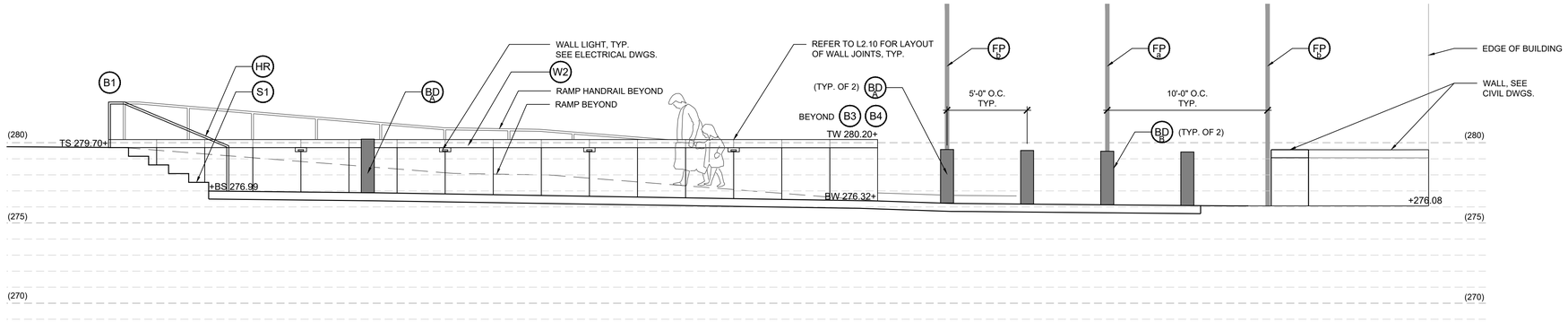
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

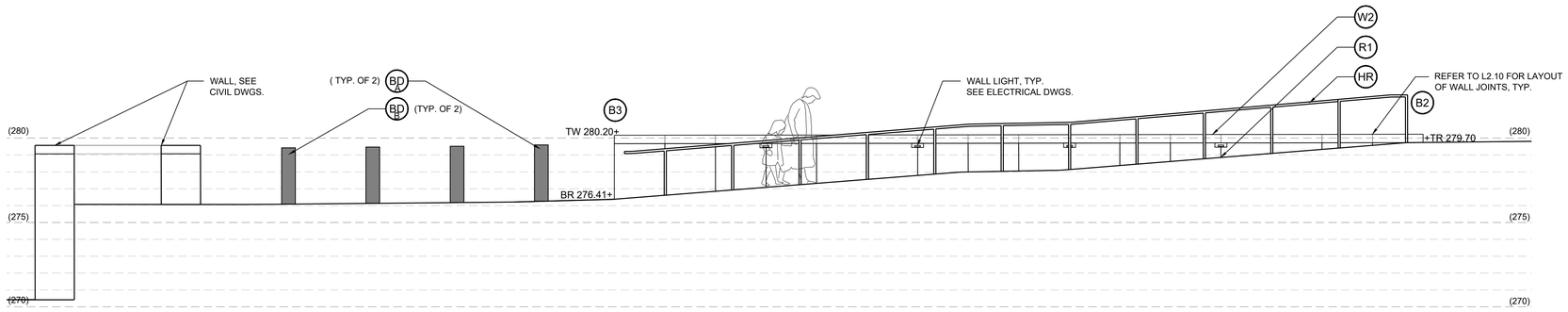
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L2.10	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 54 OF 302	
DRAWING NUMBER	
2024-1367	
FILE NO.: 8	REV. 0



1 ELEVATION B1-B4

1/4" = 1'-0"



2 ELEVATION B3-B2

1/4" = 1'-0"

HARDSCAPE KEY

PAVING

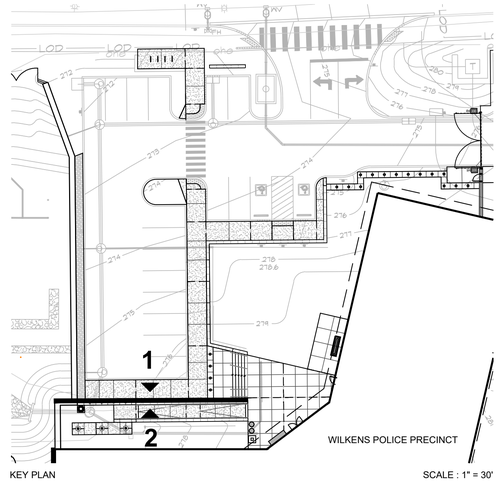
- C3 — 5 (L5.03) — 03 45 00 — RAISED CONCRETE LANDSCAPE CURB

STAIRS, RAMPS, AND WALLS

- HR — 1 (L5.02) — 05 52 13 — STAINLESS STEEL HANDRAIL
- R1 — 2 (L5.02) — RAMP
- S1 — 1 (L5.02) — 03 45 00 — PRECAST STAIRS
- W2 — 3 (L5.03) — 03 45 00 — W2 - WALL W/ PRECAST CONCRETE VENEER

SITE AMENITIES

- BD — 1 (L5.03) — 32 33 00 — BOLLARD
- FP B — 32 33 00 — 30' FLAG POLE
  MANUFACTURER: FEDERAL FLAGS; HEIGHT: 30';
  OVERALL LENGTH: 33'; RECOMMENDED FLAG SIZE: 5' X 8'
- FP A — 32 33 00 — 25' FLAG POLE
  MANUFACTURER: FEDERAL FLAGS; HEIGHT: 25';
  OVERALL LENGTH: 27'; RECOMMENDED FLAG SIZE: 4' X 6'



DWG. FILENAME:

SEAL

STATE OF MARYLAND · MARK E. PELUSO · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark E. Peluso, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: NA

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - SITE SECTIONS AND ELEVATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

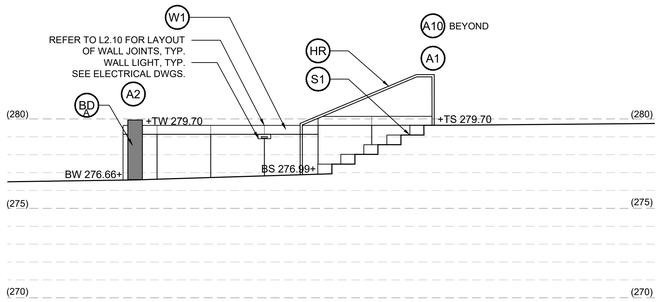
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L4.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 55 OF 302
	DRAWING NUMBER
	2024-1368
	FILE NO.: 8

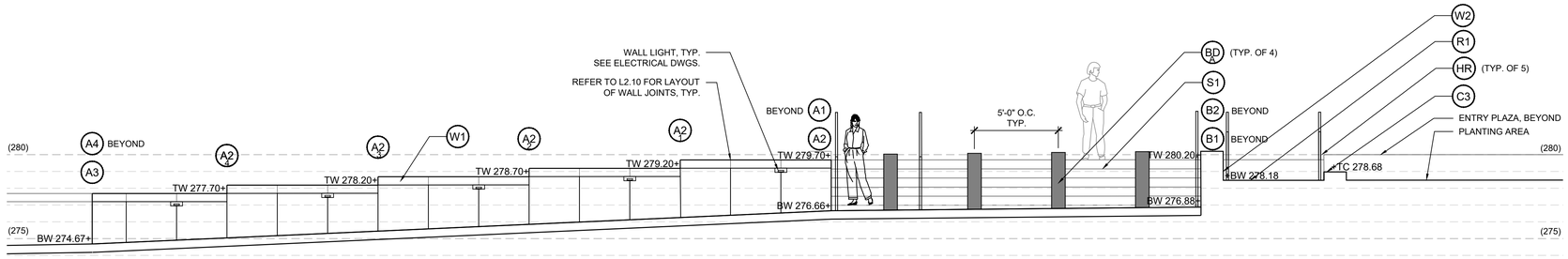
BALTIMORE COUNTY MARYLAND

REV. 10/2021



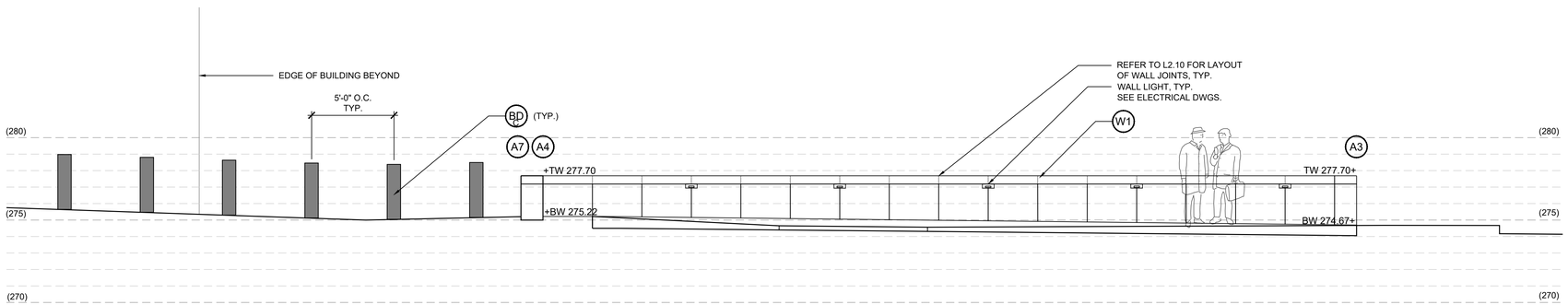
1 ELEVATION A2-A1

1/4" = 1'-0"



2 ELEVATION A3-A2

1/4" = 1'-0"



3 ELEVATION A3-A4

1/4" = 1'-0"

HARDSCAPE KEY

PAVING

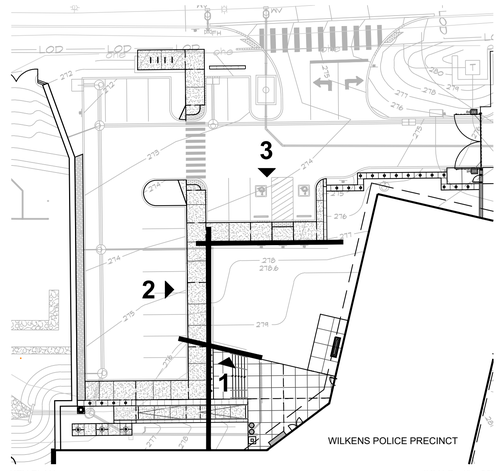
C3	5 / L5.03	03 45 00	RAISED CONCRETE LANDSCAPE CURB

STAIRS AND WALLS

HR	1 / L5.02	05 52 13	STAINLESS STEEL HANDRAIL
R1	2 / L5.02		RAMP
S1	1 / L5.02	03 45 00	PRECAST STAIRS
W1	2 / L5.03	03 45 00	W1 - WALL W/ PRECAST CONCRETE VENEER
W2	3 / L5.03	03 45 00	W2 - WALL W/ PRECAST CONCRETE VENEER

SITE AMENITIES

BD	1 / L5.03	32 33 00	BOLLARD



DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELOSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelosi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	NA
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - SITE SECTIONS AND ELEVATIONS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

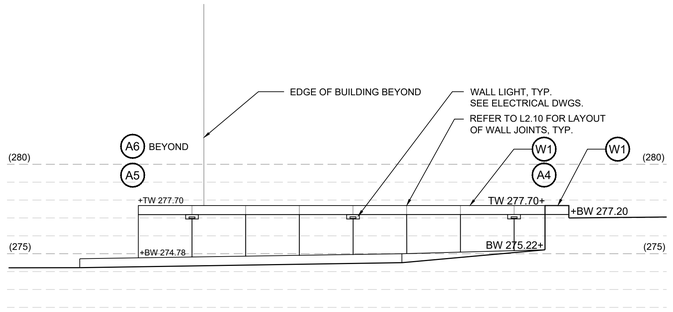
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L4.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 56 OF 302	
DRAWING NUMBER	2024-1369
FILE NO.: 8	

HARDSCAPE KEY

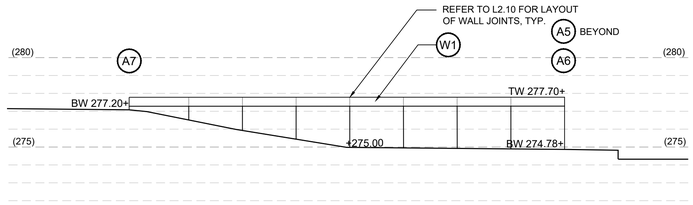
STAIRS AND WALLS

W1 — 2 (L5.03) — 03 45 00 — W1 - WALL W/ PRECAST CONCRETE VENEER



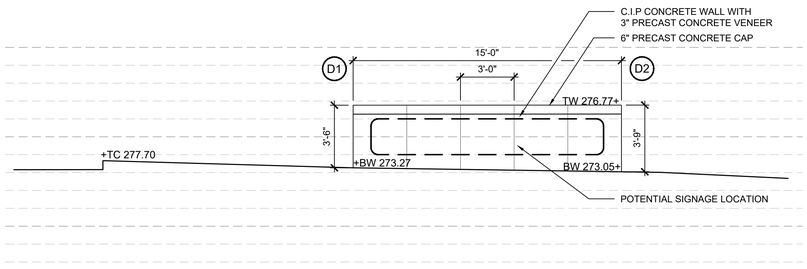
1 ELEVATION A4-A5

1/4" = 1'-0"



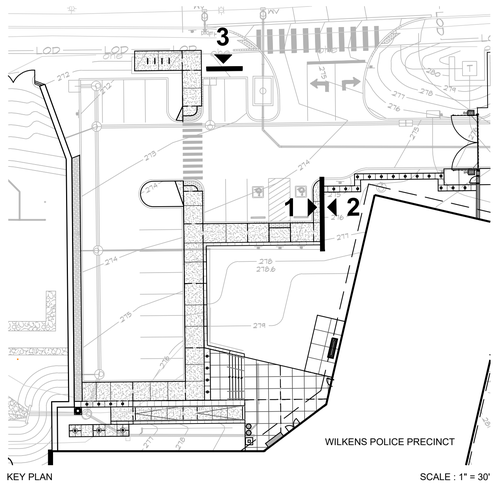
2 ELEVATION A7-A6

1/4" = 1'-0"



3 ELEVATION C1-C2

1/4" = 1'-0"



DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK E. PELUSI, JR. · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NA; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - SITE SECTIONS AND ELEVATIONS

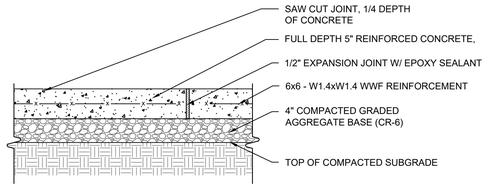
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

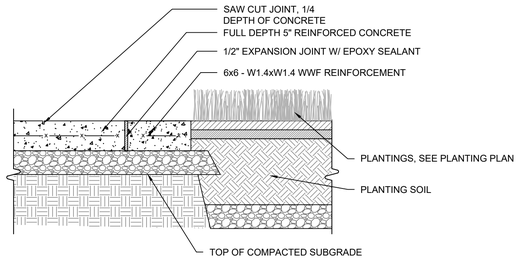
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L4.03	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 57 OF 302
	DRAWING NUMBER 2024-1370
	FILE NO.: 8 REV. 0



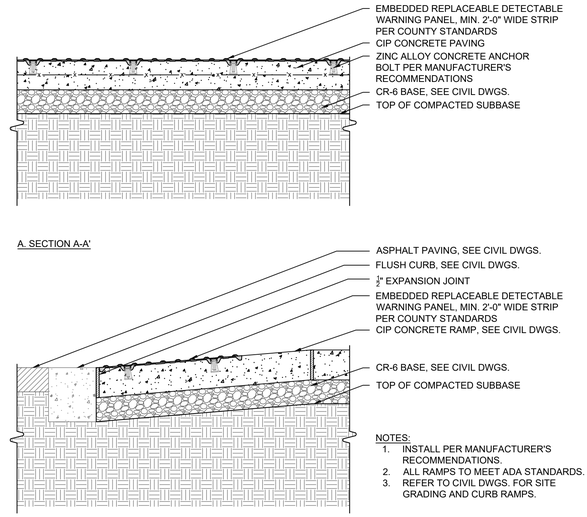
1 CIP PEDESTRIAN CONCRETE PAVING (P1)

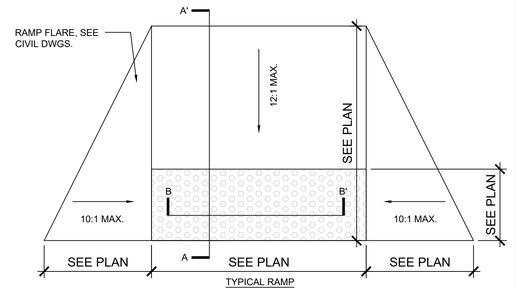
1"=1'-0"



2 CIP CONCRETE PAVING @ PLANTING AREA

1"=1'-0"

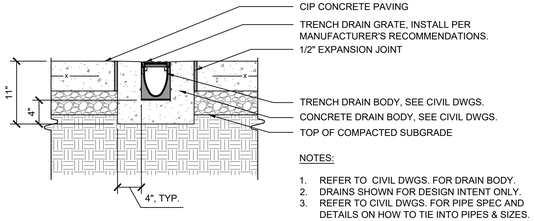




TYPICAL RAMP PLAN - N.T.S.

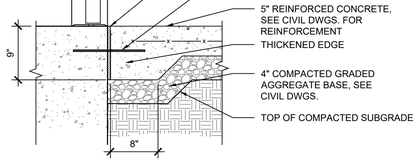
3 DETECTABLE WARNING SURFACE (P3)

1"=1'-0"



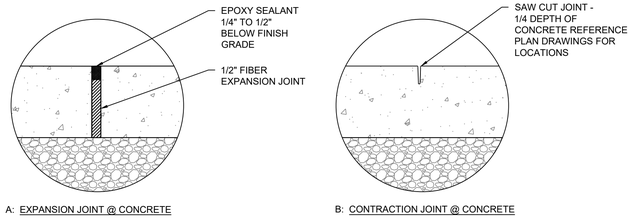
4 TRENCH DRAIN @ CIP CONCRETE PAVING (TD)

1"=1'-0"



5 CIP CONCRETE PAVING @ BUILDING

1"=1'-0"



A: EXPANSION JOINT @ CONCRETE

B: CONTRACTION JOINT @ CONCRETE

6 JOINTS (TYPICAL)

3/8"=1'-0"

DWG. FILENAME:

SEAL

STATE OF MARYLAND · MARK E. PELUSI, JR. · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MP

DRN BY: LE/MQ

CHKD BY: MP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
				GSW	14SW19	PLAN SCALE: NA	APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX			R.O.W. NO.		14SW20	PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

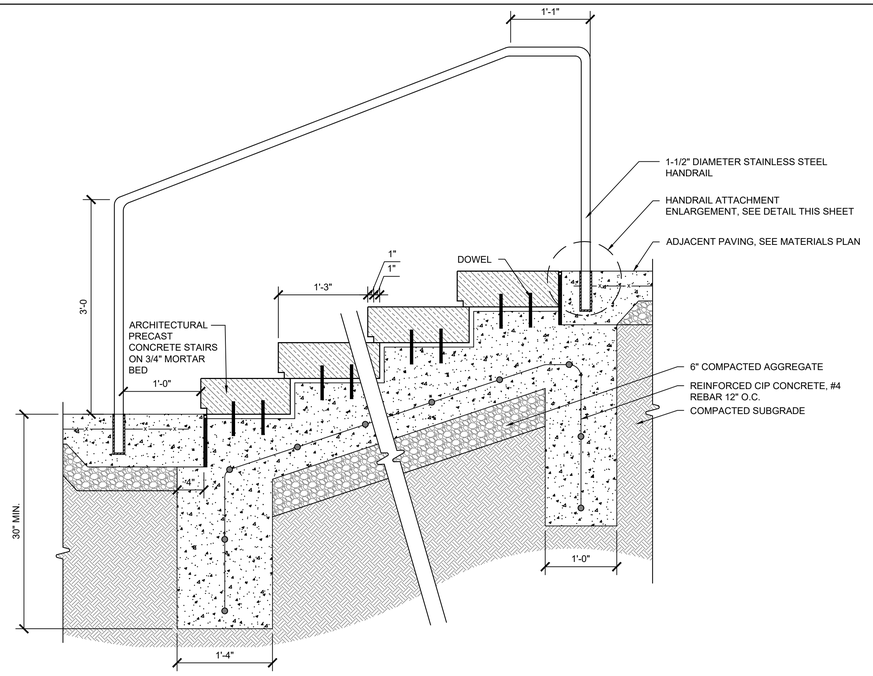
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

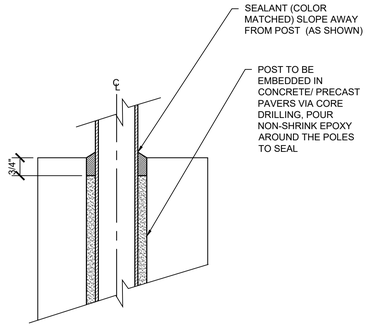
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L5.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 58 OF 302
	DRAWING NUMBER
	2024-1371
	FILE NO.: 8



1 PRECAST STAIRS W/ SS HANDRAILS (S1)

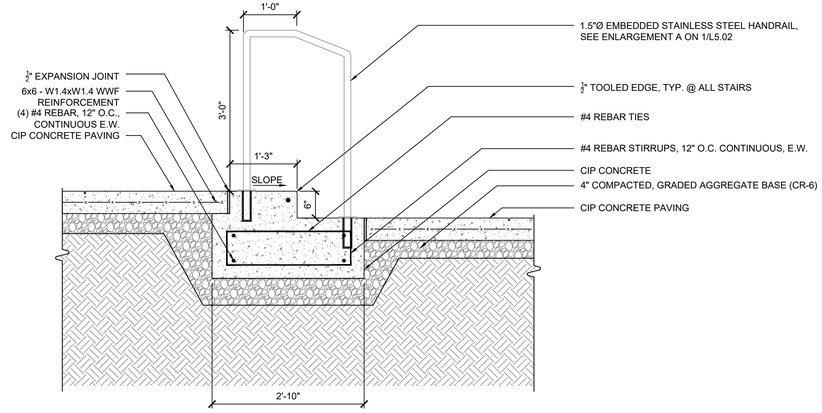
1"=1'-0"



ENLARGEMENT A - HANDRAIL FIXING (NTS)

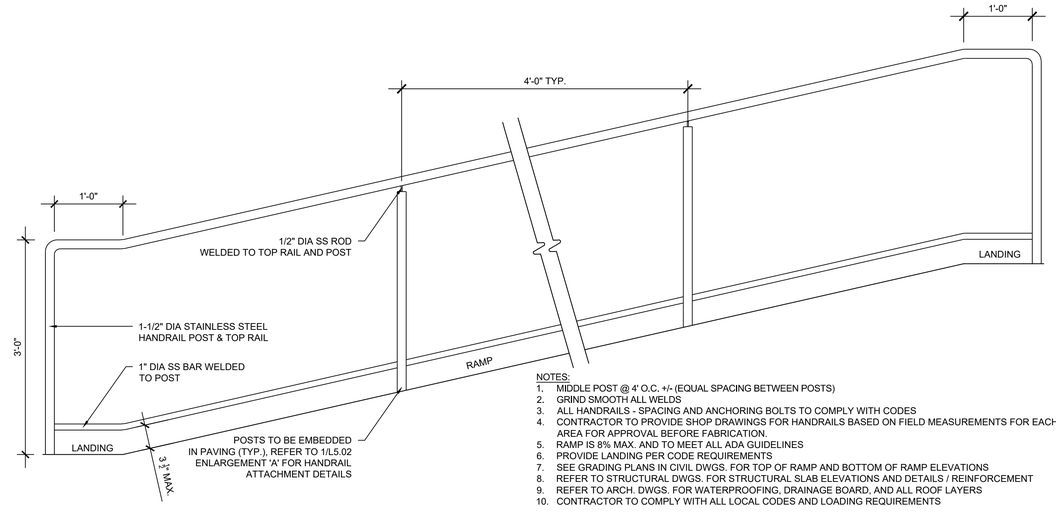
NOTES:

1. REFER TO PLAN FOR TREAD AND RISER DIMENSIONS
2. SEE PLAN FOR ACTUAL NUMBER OF RISERS/TREADS
3. REFER TO PLAN FOR NUMBER OF HANDRAILS AT EACH STAIR (TYPICALLY ON BOTH SIDES OF STAIRS AND RAMPS)
4. GRIND SMOOTH ALL WELDS
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR HANDRAILS & PRECAST TREADS
6. ALL GUARDRAIL AND HANDRAILS - SPACING AND ANCHORING TO COMPLY WITH IBC & ALL OTHER LOCAL CODES & LOADING REQUIREMENTS.
7. REFER TO STRUCTURAL DOCUMENTS FOR ALL REINFORCEMENT DETAILS.



2 CIP CONCRETE STAIRS W/ SS HANDRAILS (S2)

3/4"=1'-0"

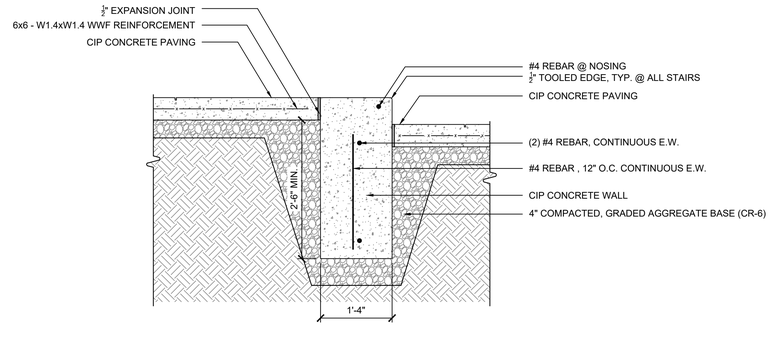


NOTES:

1. MIDDLE POST @ 4' O.C. +/- (EQUAL SPACING BETWEEN POSTS)
2. GRIND SMOOTH ALL WELDS
3. ALL HANDRAILS - SPACING AND ANCHORING BOLTS TO COMPLY WITH CODES
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR HANDRAILS BASED ON FIELD MEASUREMENTS FOR EACH AREA FOR APPROVAL BEFORE FABRICATION.
5. RAMP IS 8% MAX. AND TO MEET ALL ADA GUIDELINES
6. PROVIDE LANDING PER CODE REQUIREMENTS
7. SEE GRADING PLANS IN CIVIL DWGS. FOR TOP OF RAMP AND BOTTOM OF RAMP ELEVATIONS
8. REFER TO STRUCTURAL DWGS. FOR STRUCTURAL SLAB ELEVATIONS AND DETAILS / REINFORCEMENT
9. REFER TO ARCH. DWGS. FOR WATERPROOFING, DRAINAGE BOARD, AND ALL ROOF LAYERS
10. CONTRACTOR TO COMPLY WITH ALL LOCAL CODES AND LOADING REQUIREMENTS

3 RAMP - PROFILE ONLY (R1)

1"=1'-0"



4 CIP CONCRETE WALL - PRIVACY SCREEN BASE (W4)

3/4"=1'-0"

DWG. FILENAME:

SEAL

STATE OF MARYLAND · MARK E. PELUSO · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark E. Peluso, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
R.O.W NO.	GSW	14SW19	PLAN SCALE:	NA	APPROVED BY: PROPERTY MANAGER
		14SW20	PROFILE SCALE:		DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

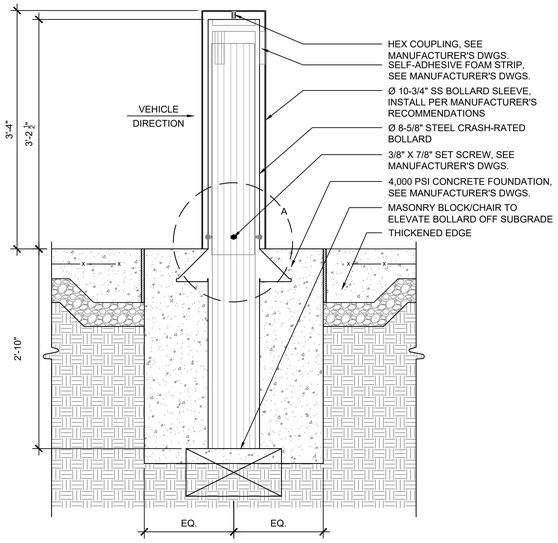
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

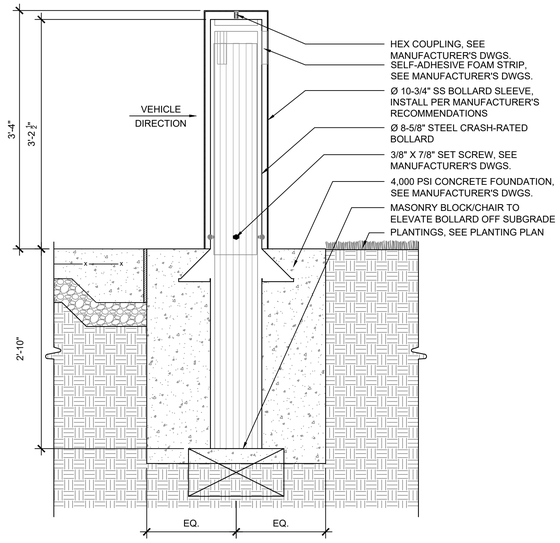
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

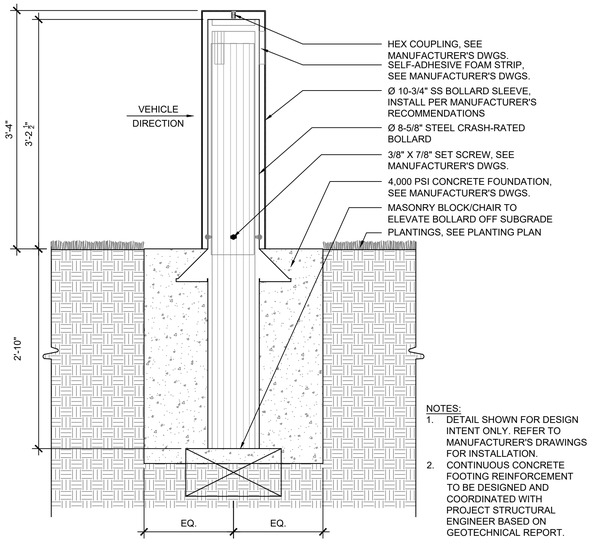
SHEET DESIGNATION	CONTRACT NUMBER
L5.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 59 OF 302	
DRAWING NUMBER	2024-1372
FILE NO.: 8	REV. 0



A. @ CIP CONCRETE PAVING

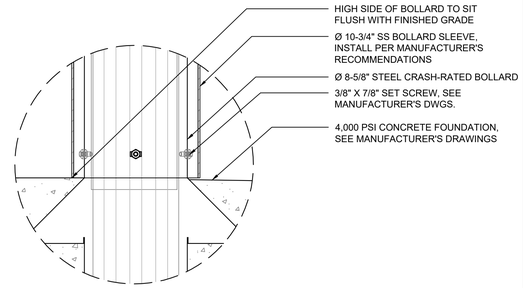


B. @ CIP CONCRETE PAVING & PLANTING AREA



C. @ PLANTING AREA

NOTES:
1. DETAIL SHOWN FOR DESIGN INTENT ONLY. REFER TO MANUFACTURER'S DRAWINGS FOR INSTALLATION.
2. CONTINUOUS CONCRETE FOOTING REINFORCEMENT TO BE DESIGNED AND COORDINATED WITH PROJECT STRUCTURAL ENGINEER BASED ON GEOTECHNICAL REPORT.



ENLARGEMENT A: BOLLARD @ GRADE
SCALE: 1/2" = 1'-0"

NAME:
BOLLARD

MANUFACTURER:
RELIANCE FOUNDRY CO. LTD.

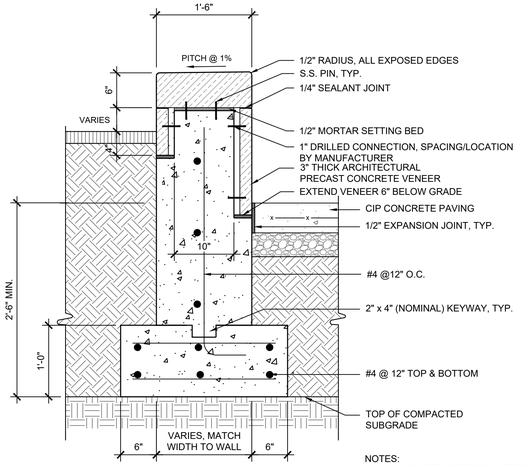
MODEL:
R-1009-04 M30 CRASH-RATED BOLLARDS
R-7311 STAINLESS STEEL BOLLARD COVER

COLOR AND FINISH:
STAINLESS STEEL

CONTACT INFO:
1.877.789.3245
www.reliance-foundry.com

1 BOLLARD (BDA BDB, & BDC)

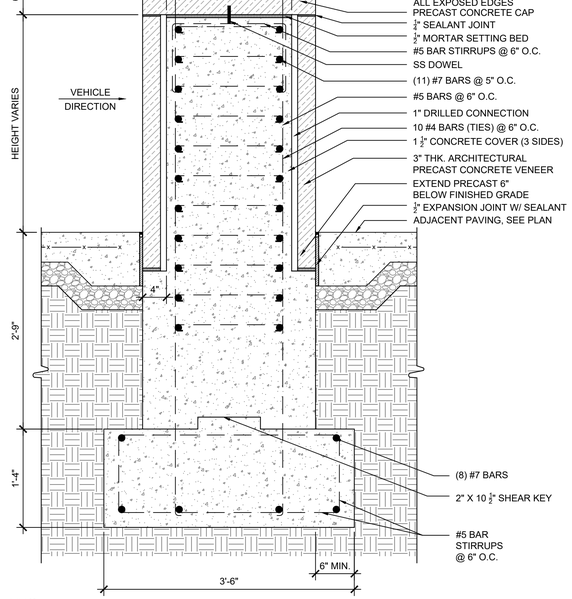
1"= 1'-0"



NOTES:
1. ALL VENEER PIECES TO MEET FLUSH WITH ONE ANOTHER

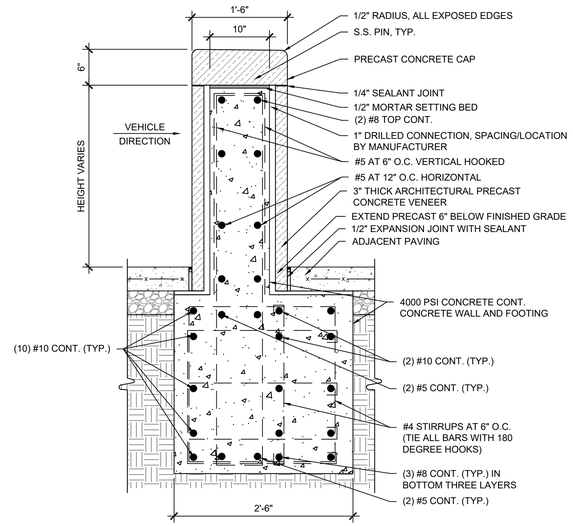
2 W1

1"=1'-0"



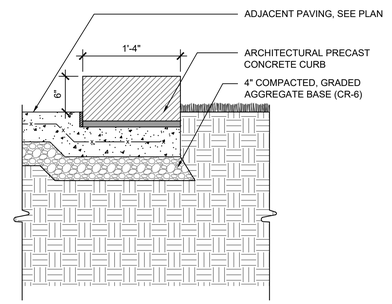
3 W2

1"=1'-0"



4 W3

1"=1'-0"



5 RAISED PRECAST LANDSCAPE CURB (C3)

1"=1'-0"

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELOSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark E. Pelosi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

DGN BY: MP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: LE/MQ	REVIEWED BY:							
CHKD BY: MP	DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	NA
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

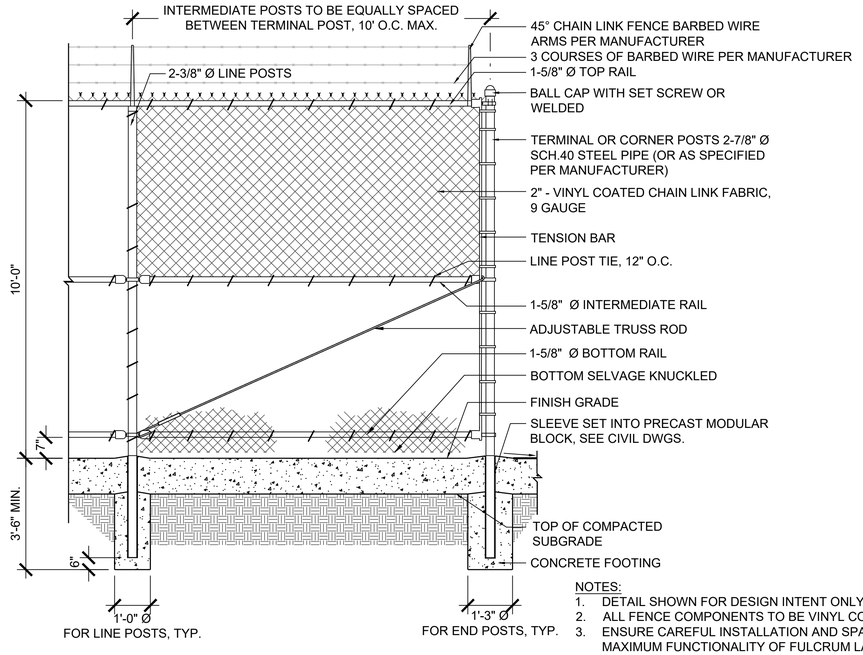
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

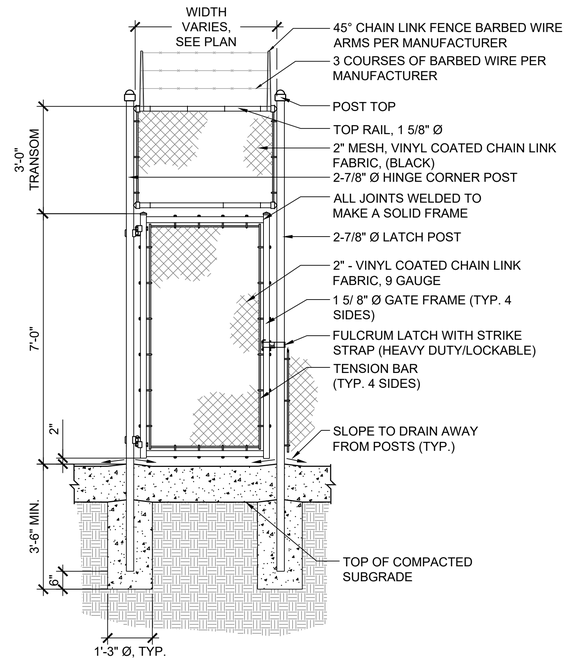
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L5.03	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 60 OF 302
	DRAWING NUMBER
	2024-1373
	FILE NO.: 8



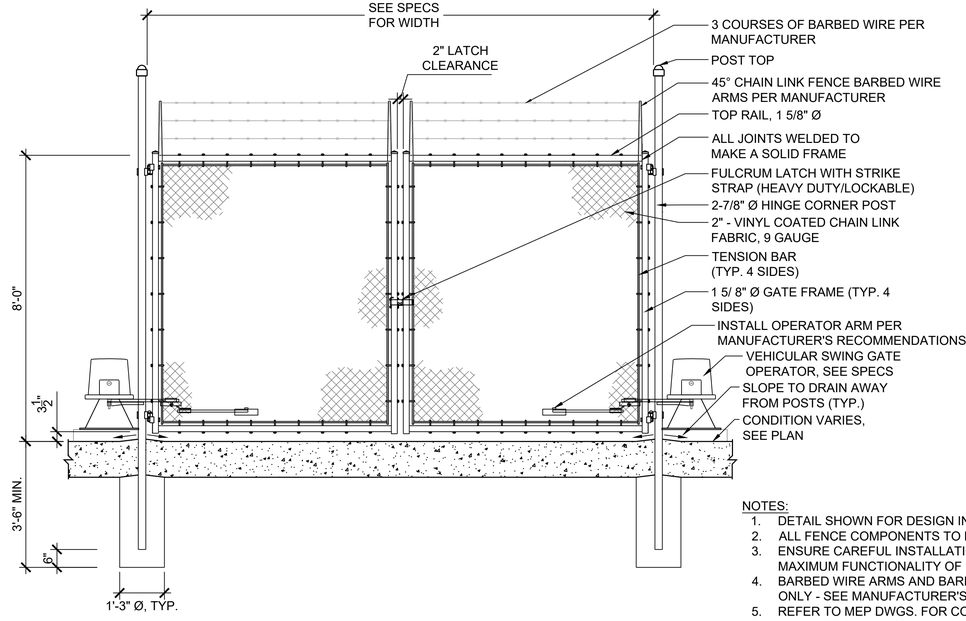
NOTES:
1. DETAIL SHOWN FOR DESIGN INTENT ONLY.
2. ALL FENCE COMPONENTS TO BE VINYL COATED, BLACK COLOR.
3. ENSURE CAREFUL INSTALLATION AND SPACING OF FENCING FOR MAXIMUM FUNCTIONALITY OF FULCRUM LATCHES.
4. BARBED WIRE ARMS AND BARBED WIRE SHOWN FOR DESIGN INTENT ONLY - SEE MANUFACTURER'S DWGS. FOR INSTALLATION.

1 10' HT. CHAIN LINK FENCE (F2)
1/2"=1'-0"



NOTES:
1. DETAIL SHOWN FOR DESIGN INTENT ONLY.
2. ALL FENCE COMPONENTS TO BE VINYL COATED, BLACK COLOR.
3. ENSURE CAREFUL INSTALLATION AND SPACING OF FENCING FOR MAXIMUM FUNCTIONALITY OF FULCRUM LATCHES.
4. BARBED WIRE ARMS AND BARBED WIRE SHOWN FOR DESIGN INTENT ONLY - SEE MANUFACTURER'S DWGS. FOR INSTALLATION.
5. REFER TO MEP DWGS. FOR MECHANIZATION.

2 7' HT. CHAIN LINK FENCE GATE (G1) W/ 10' HT. FENCE
1/2"=1'-0"



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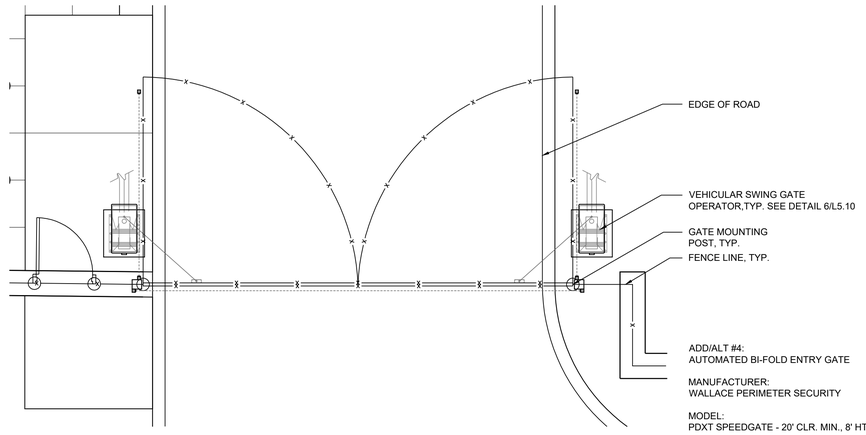
2. ALL FENCE COMPONENTS TO BE VINYL COATED, BLACK COLOR.
3. ENSURE CAREFUL INSTALLATION AND SPACING OF FENCING FOR MAXIMUM FUNCTIONALITY OF FULCRUM LATCHES.
4. BARBED WIRE ARMS AND BARBED WIRE SHOWN FOR DESIGN INTENT ONLY - SEE MANUFACTURER'S DWGS. FOR INSTALLATION.
5. REFER TO MEP DWGS. FOR CONDUIT LOCATIONS & CONNECTIONS.
6. SEE SPECS FOR GATE DIMENSIONS.

3 8' HT. AUTOMATED VEHICULAR SWING CHAIN LINK GATE (G2)
1/2"=1'-0"



PLAN (N.T.S.)

DWG. FILENAME:

SEAL

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LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DATE: June 19, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NA; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DGN BY:	MP
DWN BY:	LE/MQ
CHKD BY:	MP

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

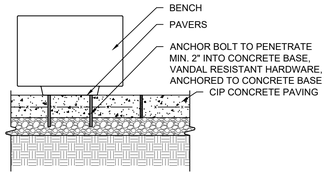
SHEET DESIGNATION	CONTRACT NUMBER
L5.04	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 61 OF 302	
DRAWING NUMBER	2024-1374
FILE NO.: 8	

NAME:
BENCH (B)

MANUFACTURER:
LANDSCAPE FORMS

MODEL:
SOCRATES (95" BENCH)

COLOR AND FINISH:
GREY



NOTES:
1. REFER TO MANUFACTURER FOR BENCH INSTALLATION DETAILS.
2. QUANTITY PER PLAN.

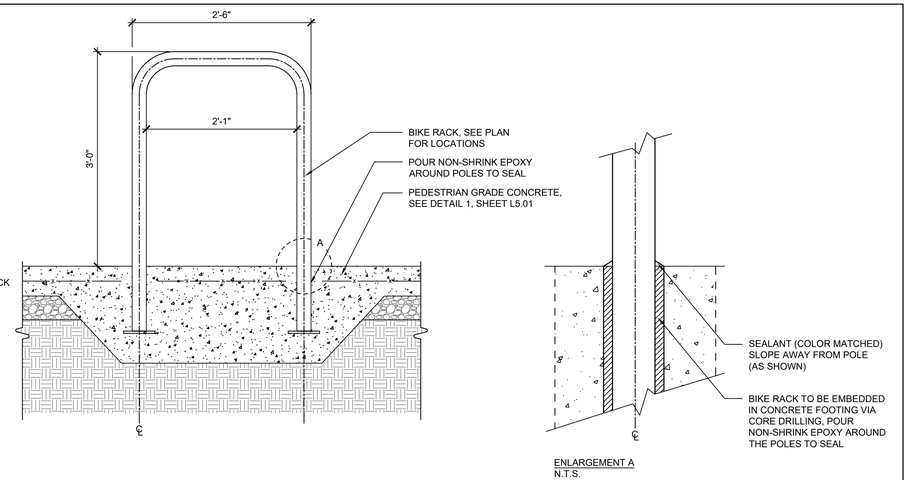
1 BENCH (B)
3/4"=1'-0"

NAME:
BIKE RACK (BR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
BRQS-101

COLOR AND FINISH:
POWDERCOAT BLACK



ENLARGEMENT A
N.T.S.

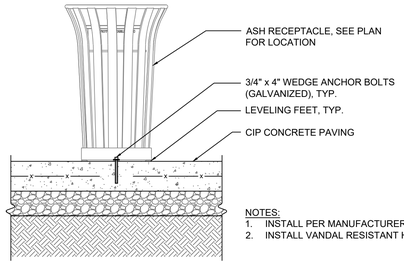
2 BIKE RACK (BR)
1"=1'-0"

NAME:
ASH RECEPTACLE (AR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
T-6; STAINLESS STEEL ASHTRAY

COLOR AND FINISH:
POWDERCOAT BLACK



NOTES:
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. INSTALL VANDAL RESISTANT HARDWARE.

3 ASH RECEPTACLE (AR)
1"=1'-0"

NAME:
LITTER RECEPTACLE (LR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
SDC-36

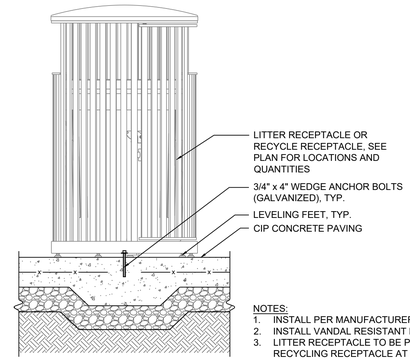
COLOR AND FINISH:
POWDERCOAT BLACK

NAME:
RECYCLING RECEPTACLE (RR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
SDC-36; RECYCLE LID

COLOR AND FINISH:
POWDERCOAT BLACK



NOTES:
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. INSTALL VANDAL RESISTANT HARDWARE.
3. LITTER RECEPTACLE TO BE PAIRED WITH RECYCLING RECEPTACLE AT ALL LOCATIONS.

4 LITTER RECEPTACLE (LR) AND RECYCLING RECEPTACLE (RR)
1"=1'-0"

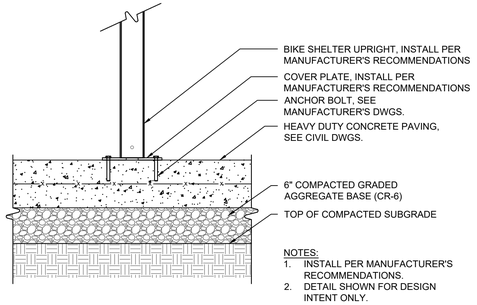
NAME:
BIKE SHELTER

MANUFACTURER:
BIKE DEPOT

MODEL:
ULTRA SPACE SAVER (8 BIKES)

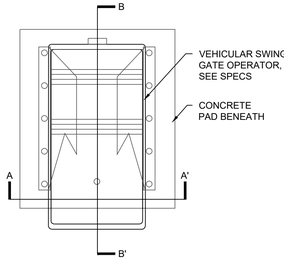
ATTACHMENT:
SURFACE MOUNTED - PER MANUFACTURER

COLOR AND FINISH:
POWDERCOAT BLACK

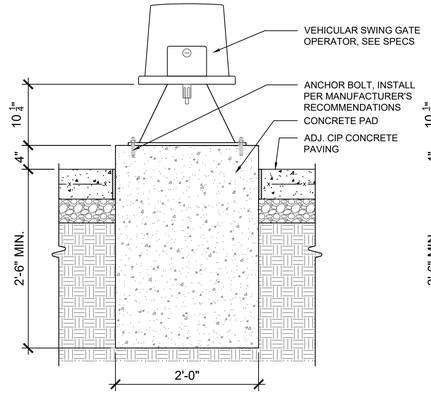


NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. DETAIL SHOWN FOR DESIGN INTENT ONLY.

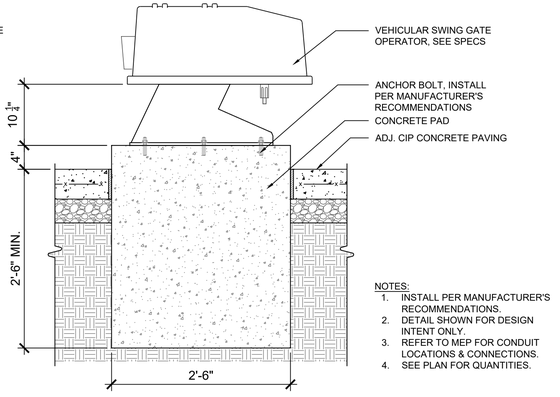
5 BIKE SHELTER (BS)
1"=1'-0"



A. PLAN



B. SECTION A-A'



C. SECTION B-B'

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. DETAIL SHOWN FOR DESIGN INTENT ONLY.
3. REFER TO MEP FOR CONDUIT LOCATIONS & CONNECTIONS.
4. SEE PLAN FOR QUANTITIES.

6 SWING GATE OPERATOR (SO)
1"=1'-0"

DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK E. PELUSI · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NA; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L5.10	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 62 OF 302	
DRAWING NUMBER	2024-1375
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

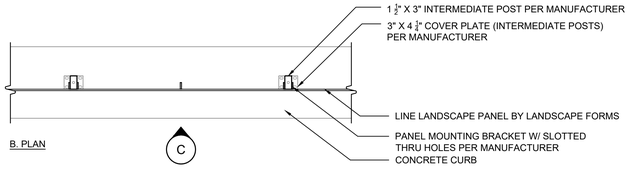
NAME:
LINE LANDSCAPE PANEL

MANUFACTURER:
LANDSCAPE FORMS

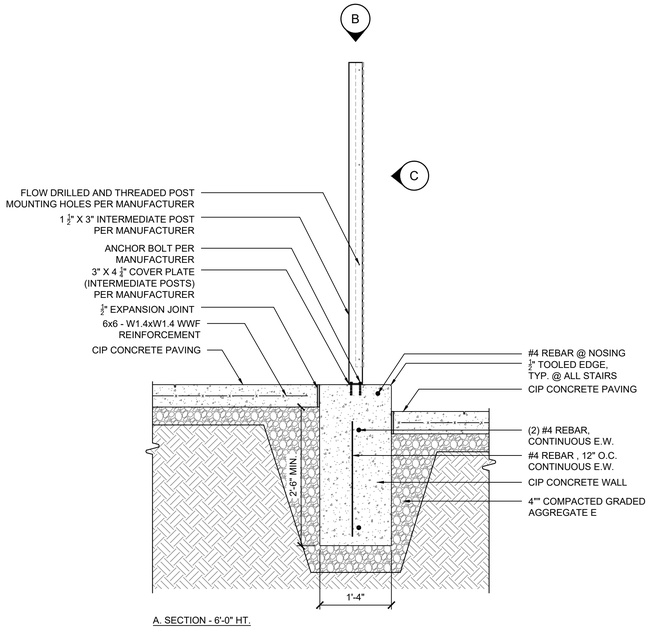
MODEL:
ONE-INCH HORIZONTAL SLAT - 6' HT.

ATTACHMENT:
SURFACE MOUNTED - PER MANUFACTURER

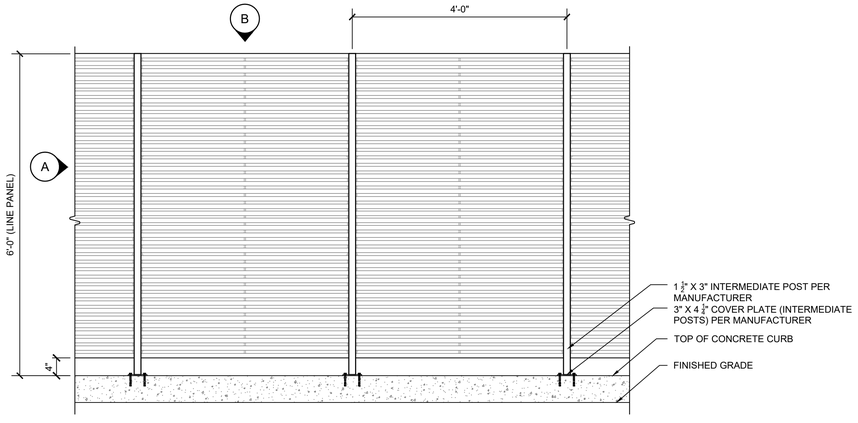
COLOR AND FINISH:
POWDERCOAT BLACK



B. PLAN

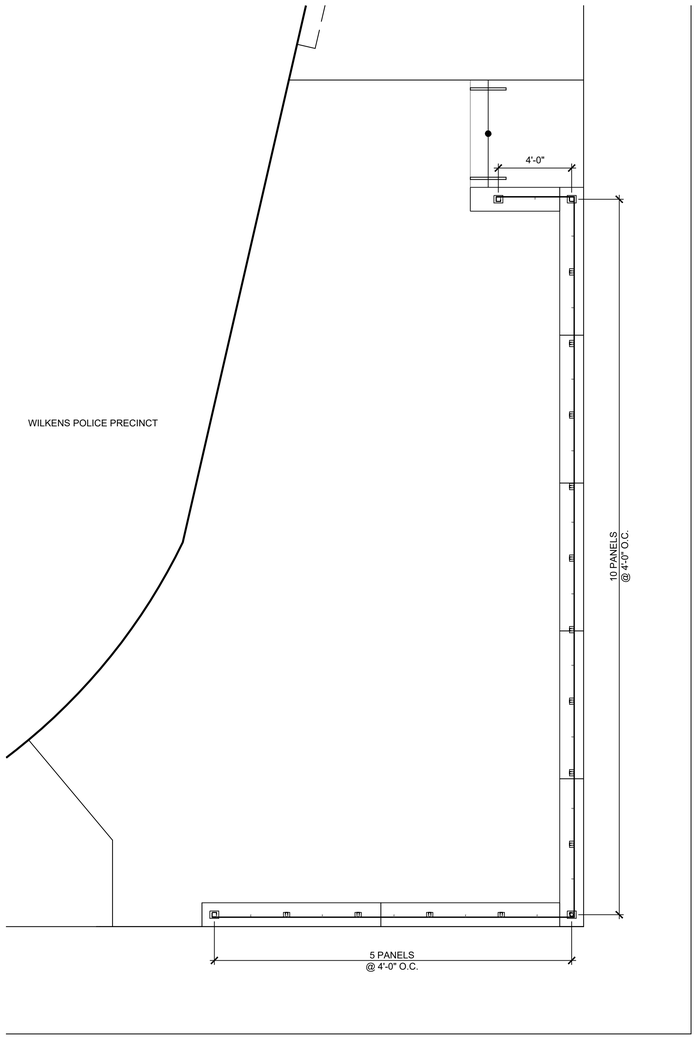


A. SECTION - 6'-0" HT.



NOTES:
1. DETAIL SHOWN FOR DESIGN INTENT ONLY.
2. SEE STRUCTURAL DWGS. FOR STRUCTURAL SLAB REINFORCEMENT AND LOADING REQUIREMENTS.
3. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
4. STRUCTURAL ENGINEER TO REVIEW ALL ATTACHMENT, REINFORCEMENT AND LOADING REQUIREMENTS.
5. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
6. PRIVACY SCREEN TO BE COMPLIANT WITH ALL BUILDING AND LOCAL CODES.
7. COVER PLATE FOR POST TO BE DETERMINED BY PRIVACY SCREEN MANUFACTURER.

C. SECTIONAL ELEVATION - 6'-0" HT.



ENLARGEMENT A (SCALE: 1/4"=1'-0")

1 PRIVACY SCREEN (PS)

3/4"=1'-0"

DWG. FILENAME:

SEAL

STATE OF MARYLAND · MARK E. PELUSI · 1152 · LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MP
DWN BY: LE/MQ
CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W. NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: NA

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - HARDSCAPE DETAILS

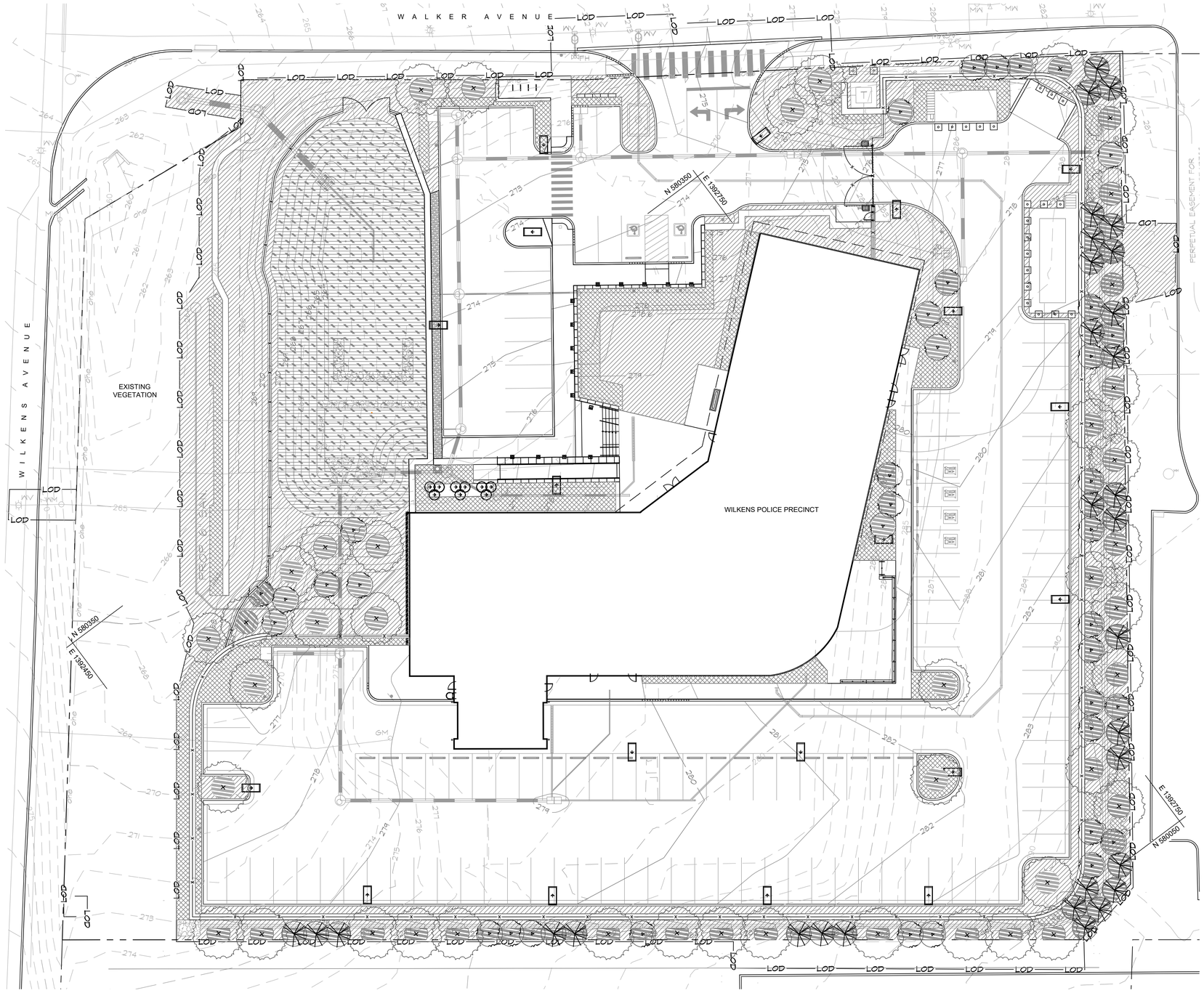
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L5.11	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 63 OF 302	
DRAWING NUMBER	2024-1376
FILE NO.: 8	REV.



SOILS LEGEND

- 6" PLANTING SOIL DEPTH
- 12" PLANTING SOIL DEPTH
- 24" PLANTING SOIL DEPTH
- 36" MICRO BIORETENTION SOIL DEPTH
- LOD — LIMIT OF DISTURBANCE
- PROPERTY BOUNDARY

NOTES:

1. REFER TO DEMOLITION AND CLEARING PLANS FOR THE STOCKPILING OF ON SITE HARVESTED SOILS.
2. HARVESTED SOILS WILL BE SEGREGATED BETWEEN DARKER, BROWNER SOILS (PLANTING SOIL) FROM THE TOP OF THE EXISTING SOIL PROFILE AND LIGHTER COLORED SUBSOILS AND STOCKPILED FOR REUSE AS PLANTING SOILS FOR LAWNS. SHRUB AND TREE PLANTING AREAS. THE SUBSOILS CAN BE USED AS FILLS FOR GRADING AS ACCEPTABLE TO THE GEOTECH AND ENGINEER. SOILS TO BE USED AS PLANTING SOILS SHOULD NOT BE SCREENED, PROCESSED OR AMENDED. STUMPS AND LARGE TREE ROOTS WITHIN TREE ROOT CROWNS SHOULD BE REMOVED, ROOTS UNDER 2-3 INCHES IN DIAMETER, USEFUL IN THE REESTABLISHMENT OF NEW SOIL STRUCTURE AND SOIL BIOLOGY SYSTEMS, MAY BE RETAINED IN THE PLANTING SOIL.
3. EXISTING SOILS DO NOT NEED TO BE SUBJECTED TO CHEMICAL TESTS. APPROVAL OF EXISTING SOILS SHALL BE BASED ON PHYSICAL APPEARANCE, INCLUDING SOIL COLOR AND THE PRESENCE OF LARGE AGGREGATE CLUMPS DEFINED AS AT LEAST 25% OF THE SOIL VOLUME IN THE STOCKPILE CONTAINING CLUMPS OF 3" IN DIAMETER OR LARGER AS DETERMINED BY VISUAL INSPECTION BY ARCHITECT/ENGINEER.
4. PLANTING SOILS (AMENDED EXISTING TOPSOIL) TO BE SUBJECTED TO CHEMICAL TESTING FOR APPROVAL OF PLANTING MEDIA. SEE SPECIFICATION (32 91 15 SOIL PREPARATION) FOR TESTING REQUIREMENTS. TESTING ANALYSIS TO BE APPROVED BY LANDSCAPE ARCHITECT.
5. IMPORTED TOPSOIL IS DISCOURAGED. IF THE DESIGN AND DEVELOPMENT REQUIRES IMPORTED SOILS, THEY SHOULD BE LOCALLY SOURCE, NOT PROCESSED OR MANUFACTURED AND SHOULD NOT HAVE ADDED SAND OR COMPOST. SOILS MAY CONTAIN CLUMPS OF SOIL AGGREGATES AND SHOULD BE COLORED BROWN/YELLOW BROWN/ORANGE, RED BROWN AS DEFINED IN THE MUNSELL SOIL COLOR BOOK WITH A COLOR VALUE OF 5 OR LESS. ANY IMPORTED PLANTING SOIL/TOPSOIL SHALL BE A SANDY LOAM PER THE SPECIFICATIONS WITH A PH RANGE OF 6 TO 7 AND HAVE A MINIMUM ORGANIC CONTENT OF 5%. THE CONTRACTOR SHALL SUBMIT TEST RESULTS FOR IMPORTED PLANTING SOIL A MINIMUM OF 4 WEEKS PRIOR TO ANY DELIVERY TO THE SITE.
6. SOIL COMPACTION IN SUBSOILS SHOULD BE BETWEEN 85% AND 90% OF THE MAXIMUM DRY DENSITY (BY PROCTOR TEST). IN DEEP FILL AREAS, GREATER THAN 3 FEET, SUBSOILS SHOULD BE COMPACTED IN 6 INCH LIFTS AND TO ENGINEERED LEVELS TO SUPPORT FILLS AND STRUCTURES INCLUDING REQUIRED SLOPE ANGLE OF REPOSE IN THE SUBSOIL.
7. PRIOR TO SPREADING PLANTING SOIL, TILL THE TOP 6" OF SUBSOIL TO BREAK UP THE SUBSOIL SURFACE.
8. ALL LAWN AND PLANTING AREAS ARE TO RECEIVE 12" MINIMUM DEPTH OF PLANTING SOIL.
9. SOIL COMPACTION IN THE TOP 12" OF SOIL FOR GRASS AND PLANTING BED AREAS SHOULD BE BETWEEN 80% AND 85% OF MAXIMUM DRY DENSITY (BY PROCTOR TEST) OR A PENETROMETER READING OF LESS THAN 300 PSI BUT GREATER THAN 100 PSI.
10. SOIL COMPACTION REQUIREMENTS DURING GRADING AND CONSTRUCTION WHERE THE SOILS ARE NOT SUPPORTING STRUCTURES OR PAVING SHOULD BE REDUCED TO LEVELS THAT ALLOW AND SUPPORT ROOT GROWTH WHILE STILL MAINTAINING REASONABLY STABLE GRASS AND PLANTING AREAS.

1 SOILS PLAN

1" = 20'

0 10' 20' 40' N

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELUSI — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1" = 20' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

DGN BY:	MP
DWN BY:	LE/MQ
CHKD BY:	MP

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - SOILS PLAN

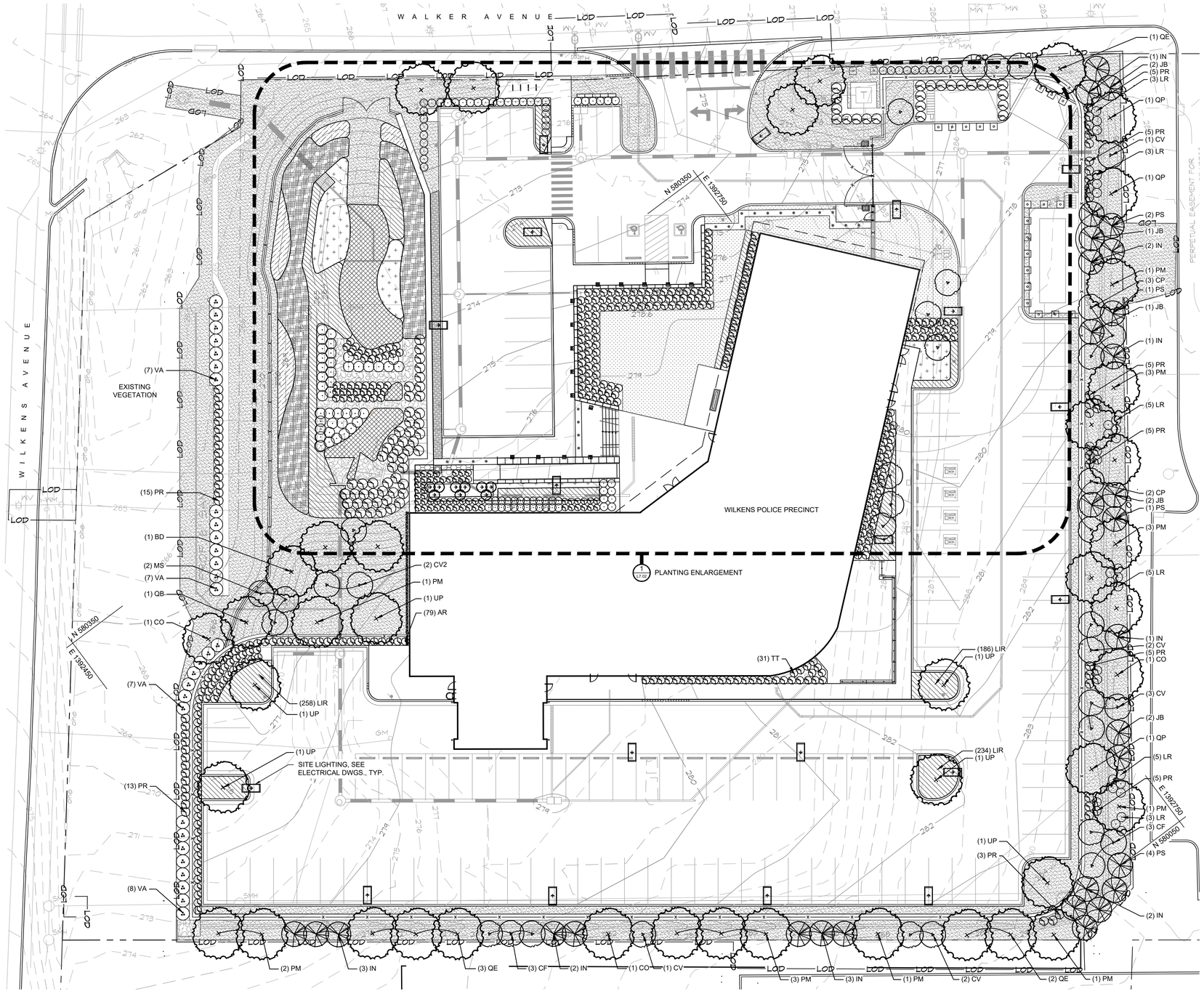
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L6.01	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 64 OF 302
	DRAWING NUMBER
	2024-1377
	FILE NO.: 8



PLANTING LEGEND

- LAWN/TURFGRASS
- SEED

*SEE SHEET L7.20 FOR MASTER PLANT SCHEDULE

- LOD — LIMIT OF DISTURBANCE
- PROPERTY BOUNDARY

NOTES:

1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED ON LIGHTING CONSULTANT DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANTING LAYOUT/LOCATIONS PRIOR TO PLANTING.

1 PLANTING PLAN

1" = 20'

0 10' 20' 40' N

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK E. PELUSO — 1152 — LANDSCAPE ARCHITECT

DATE: June 19, 2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 1152 EXPIRATION DATE: 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Peluso, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MP | DWN BY: LE/MQ | CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: 1" = 20' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LANDSCAPE - PLANTING PLAN

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

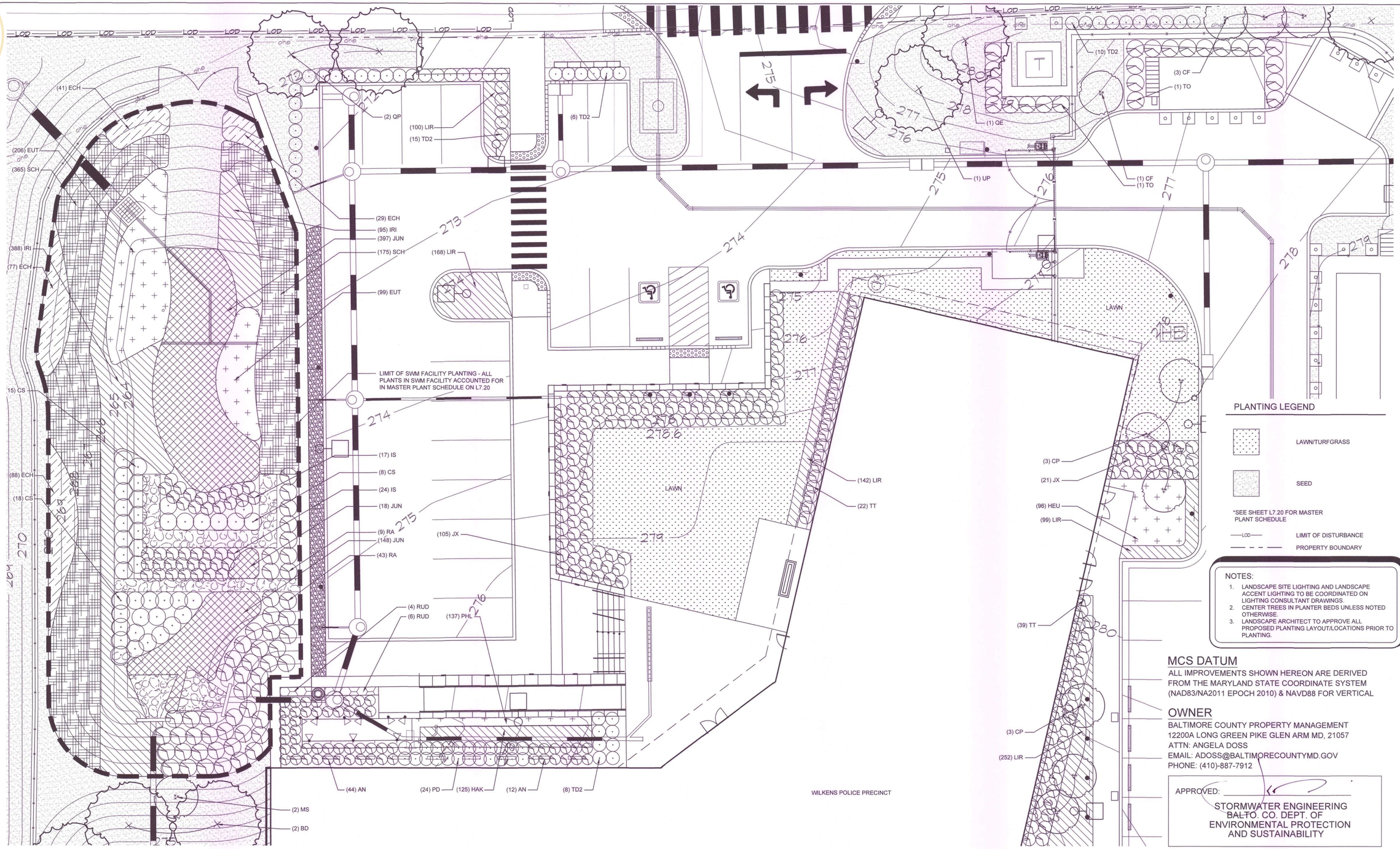
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L7.01	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 65 OF 302	
DRAWING NUMBER	2024-1378
FILE NO.: 8	REV. 0

BALTIMORE COUNTY MARYLAND

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025
THIS SEAL OF OR FACSIMILE SIGNATURE ON THIS DRAWING, SPECIFICATIONS OR REPORT CONSTITUTES A REPRESENTATION BY THE ENGINEER OR ARCHITECT WHOSE SEAL OR SIGNATURE APPEARS THAT THE DRAWING, SPECIFICATIONS OR REPORT WERE PREPARED BY OR UNDER HIS OR HER SUPERVISION AND THAT THE ENGINEER OR ARCHITECT IS DULY LICENSED AND REGISTERED IN THE STATE OF MARYLAND. THE SEAL OR SIGNATURE OF THE ENGINEER OR ARCHITECT AUTHORIZES ONLY THE USE BY THE CLIENT NAMED IN THE PROFESSIONAL ENGAGEMENT AGREEMENT. UNAUTHORIZED USE OF THESE DOCUMENTS IS PROHIBITED AND UNLAWFUL. ANY UNAUTHORIZED USE SHALL BE AT THE CLIENT'S SOLE RISK AND WITHOUT LIABILITY TO THE ENGINEER OR ARCHITECT. UNAUTHORIZED USE INCLUDES, BUT IS NOT LIMITED TO, USE OF THESE DOCUMENTS ON ANY PROJECT OTHER THAN THAT FOR WHICH THEY WERE PREPARED AND PUBLICATION OF THESE DOCUMENTS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR ARCHITECT. ANY UNAUTHORIZED USE OR PUBLICATION SHALL BE AT THE CLIENT'S SOLE RISK AND WITHOUT LIABILITY TO THE ENGINEER OR ARCHITECT. APPROVED PLANS MUST BE ON SITE DURING CONSTRUCTION.



PLANTING LEGEND

- LAWN/TURFGRASS
- SEED

*SEE SHEET L7.20 FOR MASTER PLANT SCHEDULE

- LOD — LIMIT OF DISTURBANCE
- PROPERTY BOUNDARY

NOTES:

1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED ON LIGHTING CONSULTANT DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANTING LAYOUT/LOCATIONS PRIOR TO PLANTING.

MCS DATUM

ALL IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM THE MARYLAND STATE COORDINATE SYSTEM (NAD83/NA2011 EPOCH 2010) & NAVD88 FOR VERTICAL

OWNER

BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SWM SHEET 15 OF 17

1 PLANTING ENLARGEMENT
1" = 10'

0 5' 10' 20' N

DWG. FILENAME

SEAL
STATE OF MARYLAND — MARK E. PELUSO, JR. — 1152 — LANDSCAPE ARCHITECT
DATE: April 30, 2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Peluso, Jr.
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: MP
DWN BY: LE/MQ
CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1" = 10' ; PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

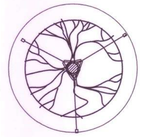
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
LANDSCAPE - PLANTING PLAN
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

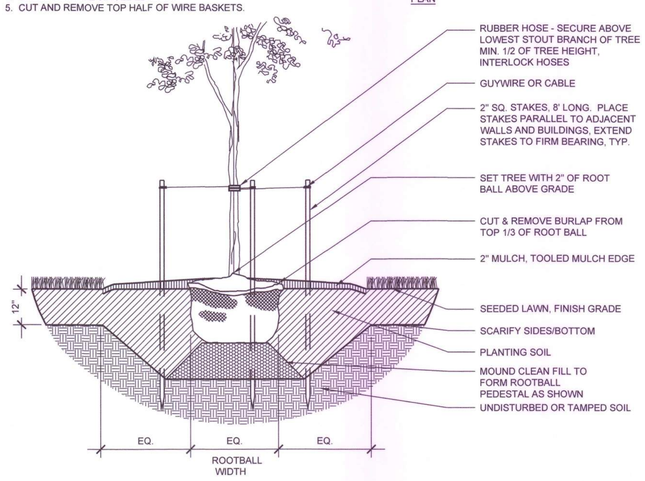
SHEET DESIGNATION	CONTRACT NUMBER
L7.02	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 66 OF 302	
DRAWING NUMBER	2024-1379
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME:
06/26/2025
BALTIMORE COUNTY MARYLAND

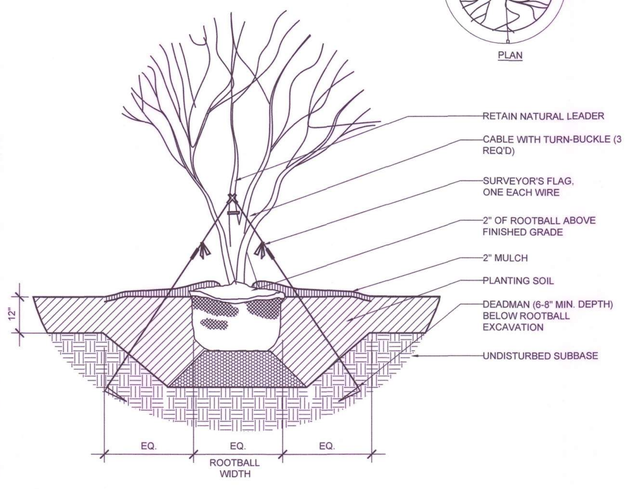
NOTES:
1. DO NOT CUT CENTRAL LEADER.
2. FOR PLANTS IN WIRE BASKETS, REFER TO SPECIFICATIONS.
3. DO NOT PLACE MULCH AGAINST TRUNK.
4. TREES TO HAVE SINGLE LEADER.
5. CUT AND REMOVE TOP HALF OF WIRE BASKETS.





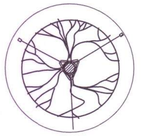
1 DECIDUOUS TREE @ GRADE
1/2" = 1'-0"

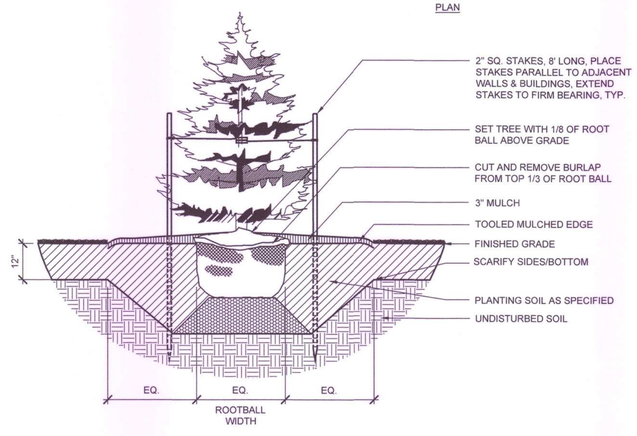
NOTES:
1. FOR B&B TREES, REMOVE TOP 1/3 OF BALL WRAP.
2. CUT WIRE BASKET IN AT LEAST FOUR LOCATIONS CIRCLING ROOTBALL.
3. DO NOT PLACE MULCH AGAINST TRUNK.



2 ORNAMENTAL TREE @ GRADE
1/2" = 1'-0"

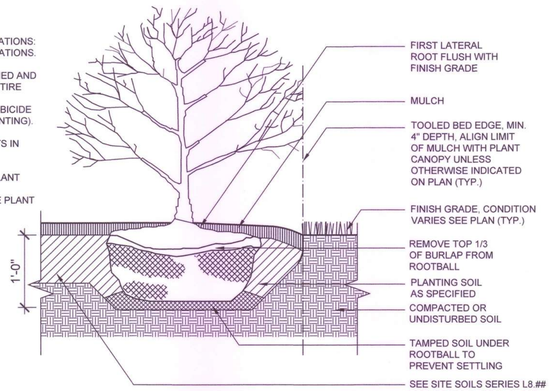
NOTES:
1. NEVER CUT CENTRAL LEADER.
2. FOR PLANTS IN WIRE BASKETS, REFER TO SPECIFICATIONS.
3. TREES TO HAVE SINGLE LEADER.
4. CUT AND REMOVE TOP HALF OF WIRE BASKETS.
5. DO NOT PLACE MULCH AGAINST TRUNK.



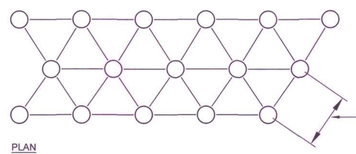


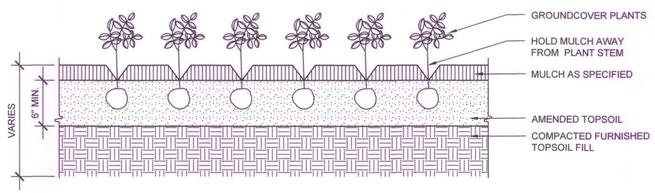
3 EVERGREEN TREE @ GRADE
1/2" = 1'-0"

SEQUENCE OF CONSTRUCTION (GENERAL), REFER TO SPECIFICATIONS:
1. STAKE OUT PLANT/BED LOCATIONS.
2. CUT EDGE OF PLANT BED.
3. TILL SOIL TO DEPTH SPECIFIED AND APPLY AMENDMENTS TO ENTIRE PLANTING AREA.
4. APPLY PRE-EMERGENT HERBICIDE (TWO WEEKS PRIOR TO PLANTING).
5. INSTALL PLANTS.
6. INSTALL FERTILIZER TABLETS IN EACH PLANT PIT.
7. PLACE BACKFILL.
8. WATER EACH INDIVIDUAL PLANT THOROUGHLY.
9. PLACE MULCH OVER ENTIRE PLANT BED.
10. WATER ENTIRE PLANT BED THOROUGHLY.



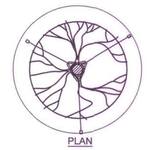
4 SHRUB @ GRADE
1" = 1'-0"

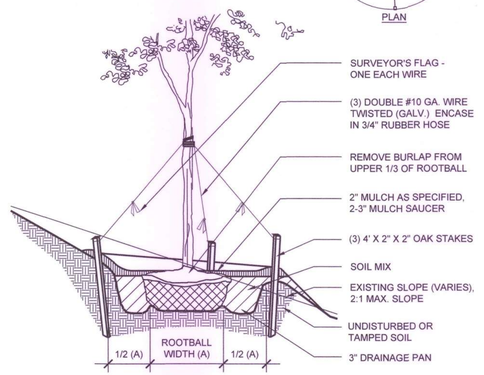




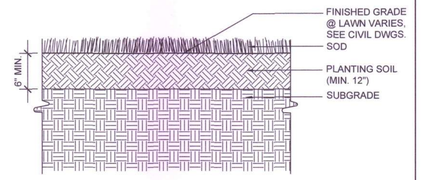
5 PERENNIAL / GROUNDCOVER @ GRADE
1/2" = 1'-0"

NOTES:
1. NEVER CUT CENTRAL LEADER.
2. NEVER MULCH AGAINST TRUNK.
3. SET TREE WITH 1/8 OF ROOT BALL ABOVE GRADE.
4. STAKES, WIRES, AND HOSES SHALL BE REMOVED AFTER ONE YEAR.
5. SCARIFY SUBSOIL AND SIDES OF TREE PIT TO A MIN. OF 4" DEPTH.
6. TREES UNDER 2-1/2" CAL.: 10' x 2" x 2" STAKES SET VERTICAL, MIN. TWO FEET INTO COMPACTED SUBGRADE.
7. TREES TO HAVE SINGLE LEADER.
8. CUT AND REMOVE TOP HALF OF WIRE BASKETS.





6 TREE @ SLOPE
1/2" = 1'-0"



7 LAWN
1/2" = 1'-0"

OWNER
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SWM SHEET 16 OF 17

DWG. FILENAME:

SEAL
STATE OF MARYLAND — MARK E. PELUSO — 1152 — LANDSCAPE ARCHITECT
DATE: April 30, 2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Peluso, Jr.
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: MP
DWN BY: LE/MQ
CHKD BY: MP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE 1" = 20'; PROFILE SCALE

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
LANDSCAPE - PLANTING DETAILS
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L7.10	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 67 OF 302	
DRAWING NUMBER	2024-1380
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND

BALTIMORE COUNTY MARYLAND
APPROVED PERMIT PLAN SET
PERMIT #: CEN25-000067
PERMIT ISSUED DATE/TIME: 06/26/2025
THE SIZE OF OR FACE PLANS DESCRIBE" IN LIEU OF THE SYMBOL, SHALL BE CONSTRUCTED AS SHOWN ON THE APPROVED PLANS. ANY APPROVED PLAN WHICH DOES NOT CONFORM WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY ZONING REGULATIONS OR ANY OTHER APPLICABLE LAW, BUILDING AND/OR ZONING REGULATIONS OR WHICH SHOWS ON ITS FACE THAT IT WAS PREPARED WITHOUT REASONABLE AND PROPER CARE AND ATTENTION, SHALL BE CORRECTED BY THE OWNER OR HIS AGENT. ANY CHANGES OR DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED BY THE BUREAU OF ENGINEERING AND CONSTRUCTION, PRIOR TO CONSTRUCTION.

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
EVERGREEN TREES					
IN	15	Ilex x 'Nellie R. Stevens' Nellie R. Stevens Holly	6` Ht.	B&B	Full to Ground, Matched
JB	8	Juniperus virginiana 'Burkii' Burk Eastern Redcedar	6`-8` Ht.	B&B	Full to Ground, Matched
PS	8	Pinus strobus White Pine	6`-8` Ht.	B&B	Full, Matched
ORNAMENTAL TREES					
CF	10	Cercis canadensis 'Forest Pansy' Forest Pansy Eastern Redbud	6`-8` Ht.	B&B	Multi-Stem, 3-5 canes, Matched
CP	11	Cornus florida 'Cherokee Princess' Cherokee Princess Dogwood	2" Cal.	B&B	Single Stem, Full Canopy, Matched
CV	9	Crataegus viridis 'Winter King' Winter King Hawthorn	2" Cal.	B&B	Single Stem, Full Canopy, Matched
CV2	2	Chionanthus virginicus White Fringetree	6` Ht.	B&B	Milti-Stem, 4-6 canes, Full Canopy, Matched
MS	4	Magnolia virginiana Sweetbay Magnolia	2-1/2" Cal.	B&B	
SHADE TREES					
BD	3	Betula nigra 'BNMTF' Dura Heat® River Birch	8`-10` Ht.	B&B	Multi-Stem, 3-5 canes, Matched
CO	3	Celtis occidentalis Common Hackberry	3" Cal.	B&B	Central Leader, Full Canopy, Matched
PM	16	Platanus x acerifolia 'Morton Circle' Exclamation!™ London Plane Tree	3" Cal.	B&B	Central Leader, Full Canopy, Matched
QB	1	Quercus bicolor Swamp White Oak	3" Cal.	B&B	Central Leader, Full Canopy, Matched
QE	7	Quercus phellos 'QPSTA' Hightower® Willow Oak	3" Cal.	B&B	Central Leader, Full Canopy, Matched
QP	5	Quercus palustris Pin Oak	3" Cal.	B&B	Central Leader, Full Canopy, Matched
UP	7	Ulmus americana 'Princeton' Princeton American Elm	2-1/2" Cal.		

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPD / HT	REMARKS
SHRUBS						
AN	56	Azalea x 'Nancy of Robin Hill' Nancy of Robin Hill Azalea	24"	Cont.		Full, Matched
AR	79	Abelia x 'Rose Creek' Rose Creek Abelia	24"-30" Spd.	Cont.		Full, Matched
CS	41	Clethra alnifolia 'Sixteen Candles' Sixteen Candles Summersweet	#3			Full, Matched
IS	41	Ilex glabra 'Shamrock' Shamrock Inkberry Holly	24"-30" Spd.	Cont.		Full, Matched
JX	126	Juniperus x 'Grey Owl' Grey Owl Juniper	24" Spd.	Cont.		Full, Matched
LR	24	Diervilla x 'G2X88544' Kodiak® Orange Diervilla	#5	Cont.	24"-30" Spd.	Full, Matched
PD	24	Physocarpus opulifolius 'Donna May' Little Devil™ Dwarf Ninebark	24"-30" Spd.	Cont.		Full, Matched
PR	61	Prunus laurocerasus 'Chestnut Hill' Chestnut Hill English Laurel	24"-30" Spd.	B&B/Cont.		Full, Matched
RA	52	Rhus aromatica Fragrant Sumac	24"-30" Spd.	Cont.		Full, Matched
TD2	54	Taxus x media 'Densiformis' Dense Anglo-Japanese Yew	24"-30" Spd.	B&B		Full, Matched
TO	23	Thuja occidentalis 'Holmstrup' Holmstrup Arborvitae	5` Ht.	B&B/Cont.		Full, Matched
TT	92	Taxus x media 'Tauntonii' Taunton's Anglo-Japanese Yew	18"-24" Spd.	Cont.		Full, Matched
VA	29	Viburnum dentatum Viburnum	#7	Cont.	30"-36" Spd.	Full, Matched

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPACING	REMARKS
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES						
ECH	235	Echinacea purpurea Coneflower	#1	Cont.	18" o.c.	
EUT	305	Eutrochium dubium 'Little Joe' Little Joe Pye Weed	#1	Cont.	18" o.c.	
HAK	125	Hakonechloa macra 'Aureola' Golden Variegated Forest Grass	#1	Cont.	15" o.c.	
HEU	96	Heuchera villosa 'Autumn Bride' Autumn Bride Hairy Alumroot	#1	Cont.	18" o.c.	
IRI	483	Iris versicolor Blue Flag	#1	Cont.	18" o.c.	
JUN	563	Juncus effusus Soft Rush	#1	Cont.	18" o.c.	
LIR	1,601	Liriope muscari 'Royal Purple' Royal Purple Lilyturf	#1	Cont.	12" o.c.	
PHL	137	Phlox subulata 'Emerald Blue' Emerald Blue Creeping Phlox	#1	Cont.	12" o.c.	
RUD	10	Rudbeckia x `American Gold Rush` American Gold Rush Coneflower	#1	Cont.	24" o.c.	
SCH	540	Schizachyrium scoparium 'Standing Ovation' Standing Ovation Little Bluestem	#1	Cont.	24" o.c.	

OWNER
BALTIMORE COUNTY PROPERTY MANAGEMENT
12200A LONG GREEN PIKE GLEN ARM MD, 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410)-887-7912

APPROVED: _____
STORMWATER ENGINEERING
BALTO. CO. DEPT. OF
ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

SWM SHEET 17 OF 17

DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 1152 EXPIRATION DATE 09/18/2026

LANDSCAPE ARCHITECT: Mark E. Pehusi, Jr.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE April 30, 2025

DGN BY: MP
DRN BY: LE/MQ
CHKD BY: MP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W. NO.	GSW	14SW19	PLAN SCALE:	N/A
		14SW20	PROFILE SCALE	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

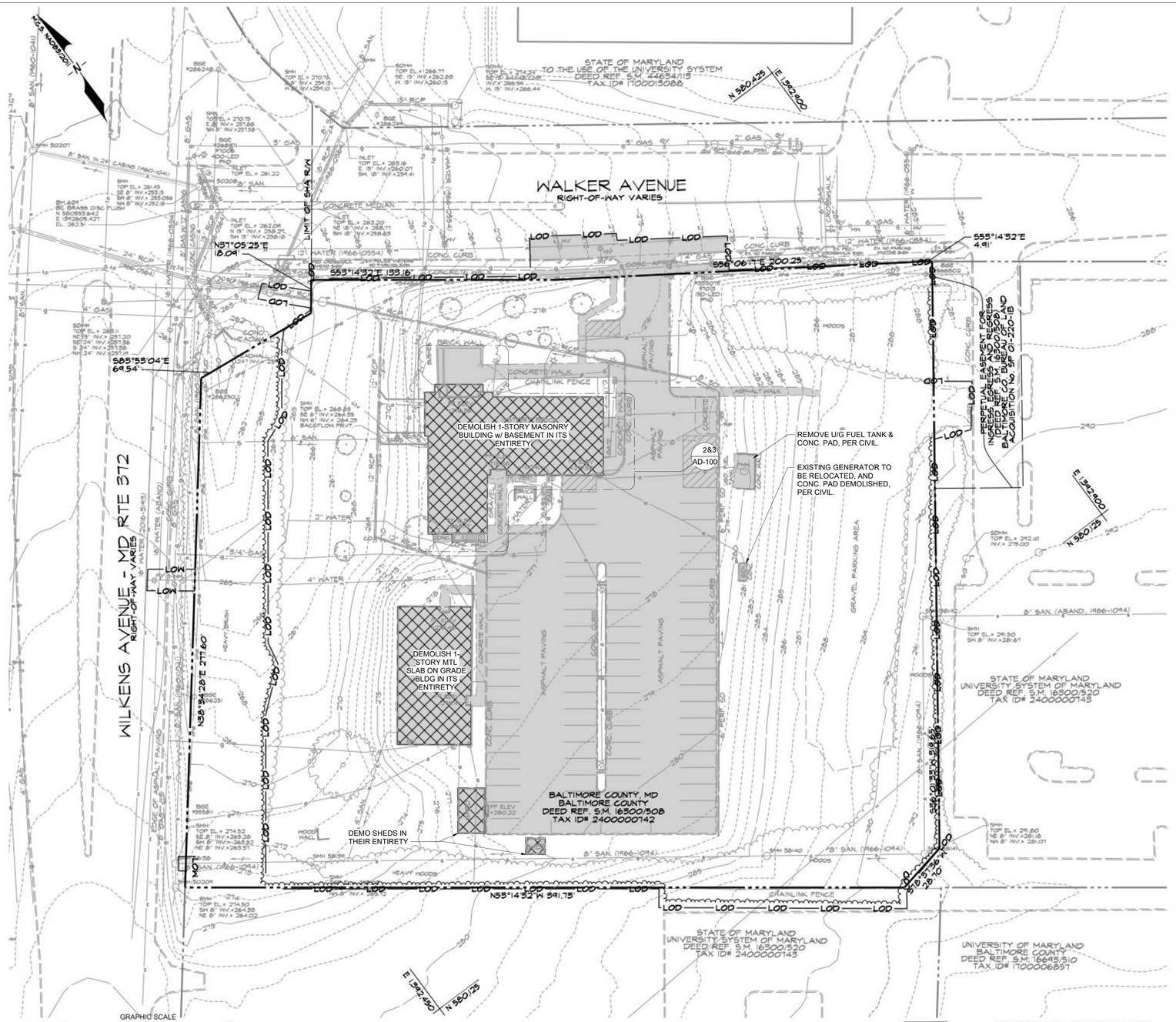
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01

LANDSCAPE - PLANTING SCHEDULE

NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
L7.20	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 68 OF 302	
DRAWING NUMBER	2024-1381
FILE NO.: 8	



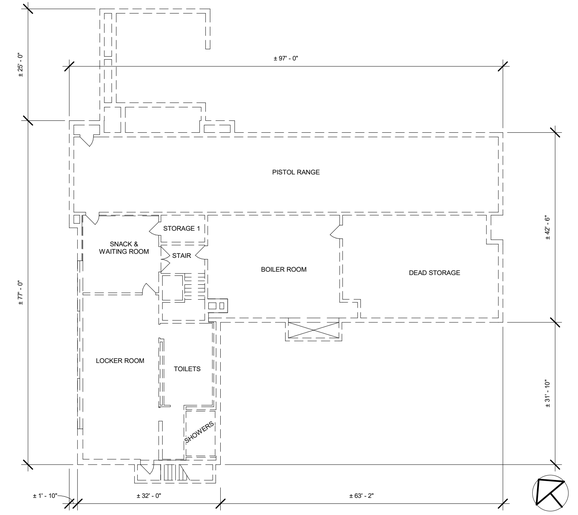
SITE DEMOLITION PLAN - FOR REFERENCE

SEE CIVIL DEMOLITION PLANS

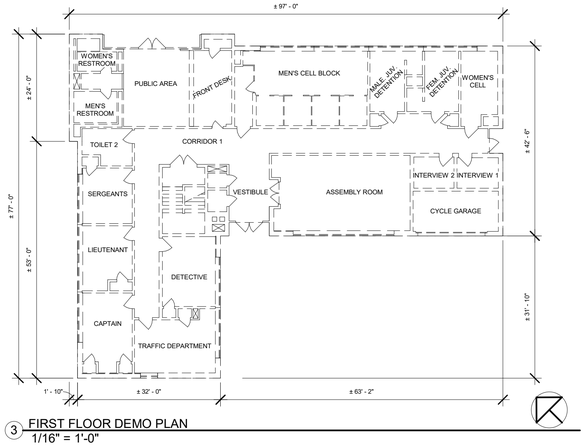
FOR REFERENCE ONLY, SEE CIVIL DEMOLITION FOR NOTES AND COMPLETE SITE AND UTILITY DEMOLITION, AND SPECIFICATIONS

APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED

APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED



2 BASEMENT DEMO PLAN
1/16" = 1'-0"



3 FIRST FLOOR DEMO PLAN
1/16" = 1'-0"

GENERAL DEMOLTION NOTES:

1. THE GENERAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR PROPOSAL TO BECOME FAMILIAR WITH ALL EXISTING FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
2. BUILDING DEMOLITION IS TO COMMENCE ONCE PHASE 1 HAS BEEN COMPLETED AND ALL SALVAGED ITEMS ARE REMOVED FROM THE BUILDING. SEE SUMMARY OF WORK SPECIFICATION AND CIVIL PHASING PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO SAFEGUARD AGAINST THE INTERRUPTION OF SERVICES TO THE POLICE.
4. CARE SHOULD BE EXERCISED IN THE REMOVAL OF WORK TO PREVENT THE RELEASE OF TOXIC SUBSTANCES. SHOULD TOXIC SUBSTANCES, SUCH AS ASBESTOS BE ENCOUNTERED, THE OWNER AND ARCHITECT SHALL BE NOTIFIED. UPON AUTHORIZATION, THE DISPOSAL OF SAME SHALL CONFORM TO ALL GOVERNING CODES AND REGULATIONS. DISPOSAL SHALL BE DONE ONLY BY CONTRACTORS LICENSED FOR THIS WORK.
5. DURING DEMOLITION AND CONSTRUCTION OPERATIONS, PROVIDE ALL NECESSARY PROTECTION AND SAFE PASSAGE FOR THE PUBLIC AND BUILDING USERS. SUCH AS BUT NOT LIMITED TO: BARRICADES, TEMPORARY PARTITIONS, DUST BARRIERS, SIGNS, ETC. ERECT AND MAINTAIN THESE BARRIERS TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND ALL APPLICABLE RULES AND REGULATIONS.
6. COORDINATE CONSTRUCTION TIMING, MOVEMENT OF CONSTRUCTION MATERIALS, AND STORAGE OF REFUSE CONTAINERS WITH THE OWNER.
7. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. DEMOLISH THE BUILDING AND STRUCTURES IN THIER ENTIRETY AND FILL PER CIVIL GRADING REQUIREMENTS.

DEMOLITION LEGEND

EXISTING WALL CONSTRUCTION TO BE REMOVED

EXISTING DOOR AND FRAME TO BE REMOVED

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Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4433 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-3627 voice 717-845-2448 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607, EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

DATE: 6/19/2025 2:10:00 PM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W. NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DGN BY: JAT	DRN BY: DWG/ AWU	CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DEMOLITION PLANS - BASEMENT & FIRST FLOOR

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
AD-100	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 69 OF 302	
DRAWING NUMBER	2024-1382
FILE NO.: 8	REV. 00/00

1 OVERALL FIRST FLOOR PLAN
3/32" = 1'-0"

BUILDING NORTH

PLAN GENERAL NOTES:

1. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU U.N.O.
2. INTERIOR DOOR FRAME JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE U.N.O.
3. ALIGN FACE OF WALLS WITH FACE OF COLUMN WRAPS, WHERE POSSIBLE, U.N.O.
4. WHERE GWB WALLS WITH DIFFERENT THICKNESSES/LAYERS ADJOIN IN SAME PLANE, ALIGN FINISH FACE OF GWB.
5. REFER TO SHEET A610 FOR PARTITION TYPE CONSTRUCTION INFORMATION, TYP.
6. WHERE GWB WALLS ABUT MASONRY WALLS, PROVIDE GWB CASING BEAD AND SEALANT, TYP.
7. PROVIDE CONTROL JOINTS IN GWB WALL ASSEMBLIES AT 30'-0" OC MAX AND AS INDICATED ON INTERIOR ELEVATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECT.
8. REFER TO FINISH PLANS FOR FLOOR MATERIAL TRANSITIONS NOT OCCURRING AT DOORS AND FOR FLOOR PATTERNS, TYP.
9. COORDINATE LOCATION OF MEP EQUIP., DEVICES, OUTLET BOXES, ETC. W/ OTHER EQUIP. & FINISHES PRIOR TO INSTALLATION.
10. SEE TA DRAWINGS FOR AV LOCATIONS THAT SHALL RECEIVE WALL BRACING FOR WALL MOUNTING DEVICES.
11. SEE ENLARGED PLANS FOR DIMENSIONS, BUILT INS, & FIXTURES.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:04:55 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027			
	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated
			PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL FIRST FLOOR PLAN

NEW BUILDING DESIGN

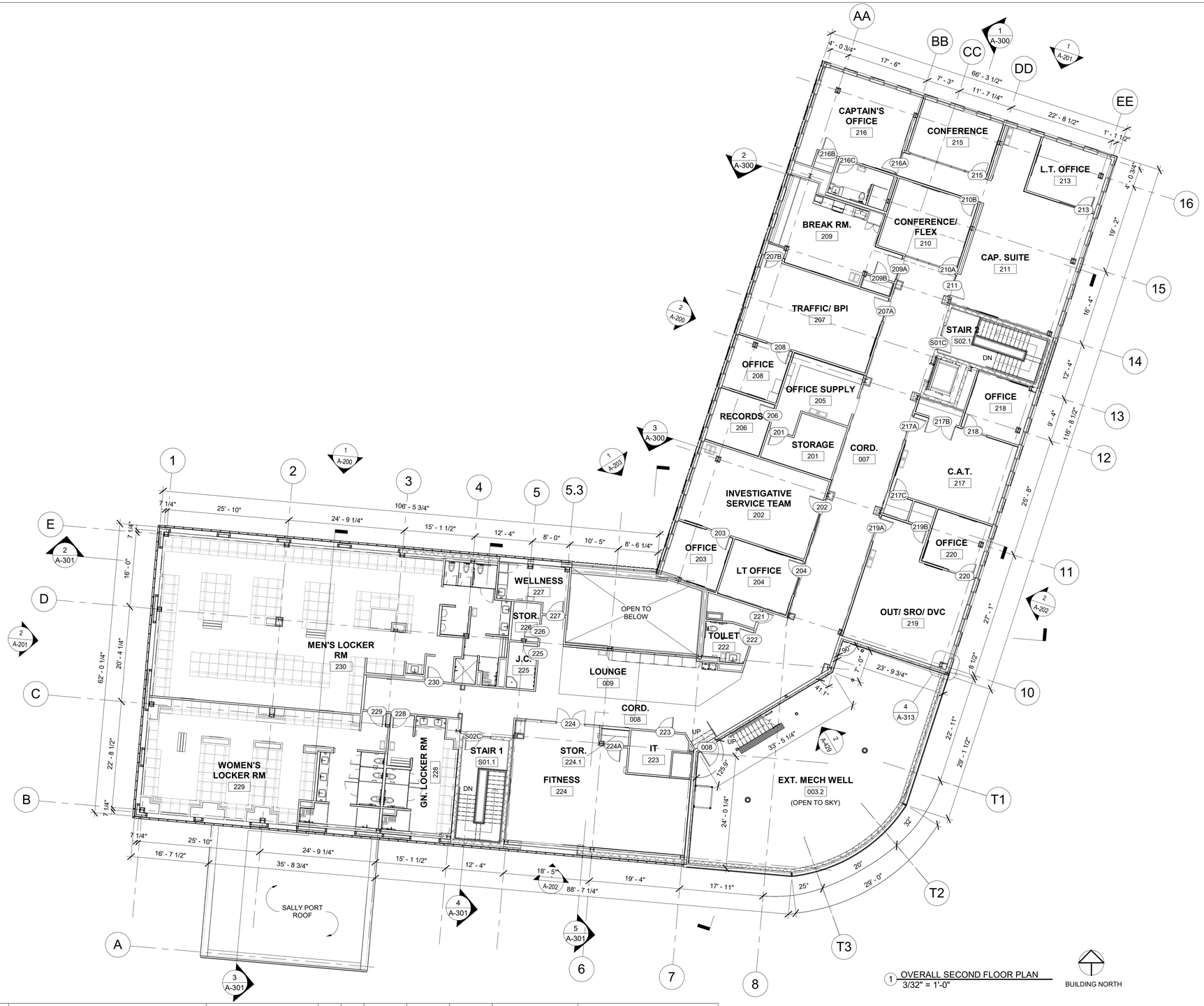
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4014 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-101	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 70 OF 302
	DRAWING NUMBER
	2024-1383
	FILE NO.: 8 REV. 03/22



1 OVERALL SECOND FLOOR PLAN
3/32" = 1'-0"

BUILDING NORTH

PLAN GENERAL NOTES:

1. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU U.N.O.
2. INTERIOR DOOR FRAME JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE U.N.O.
3. ALIGN FACE OF WALLS WITH FACE OF COLUMN WRAPS, WHERE POSSIBLE, U.N.O.
4. WHERE GWB WALLS WITH DIFFERENT THICKNESSES/LAYERS ADJOIN IN SAME PLANE, ALIGN FINISH FACE OF GWB.
5. REFER TO SHEET A610 FOR PARTITION TYPE CONSTRUCTION INFORMATION, TYP.
6. WHERE GWB WALLS ABUT MASONRY WALLS, PROVIDE GWB CASING BEAD AND SEALANT, TYP.
7. PROVIDE CONTROL JOINTS IN GWB WALL ASSEMBLIES AT 30'-0" OC MAX AND AS INDICATED ON INTERIOR ELEVATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECT.
8. REFER TO FINISH PLANS FOR FLOOR MATERIAL TRANSITIONS NOT OCCURRING AT DOORS AND FOR FLOOR PATTERNS, TYP.
9. COORDINATE LOCATION OF MEP EQUIP., DEVICES, OUTLET BOXES, ETC. W/ OTHER EQUIP. & FINISHES PRIOR TO INSTALLATION.
10. SEE TA DRAWINGS FOR AV LOCATIONS THAT SHALL RECEIVE WALL BRACING FOR WALL MOUNTING DEVICES.
11. SEE ENLARGED PLANS FOR DIMENSIONS, BUILT INS, & FIXTURES.

C:\Users\dwg\Documents\23190A1 New Wilkens Police Precinct_dwgQZANS8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A
ELWOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:04:57 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU
BY: DATE:	CHKD BY: RLM

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL SECOND FLOOR PLAN

NEW BUILDING DESIGN

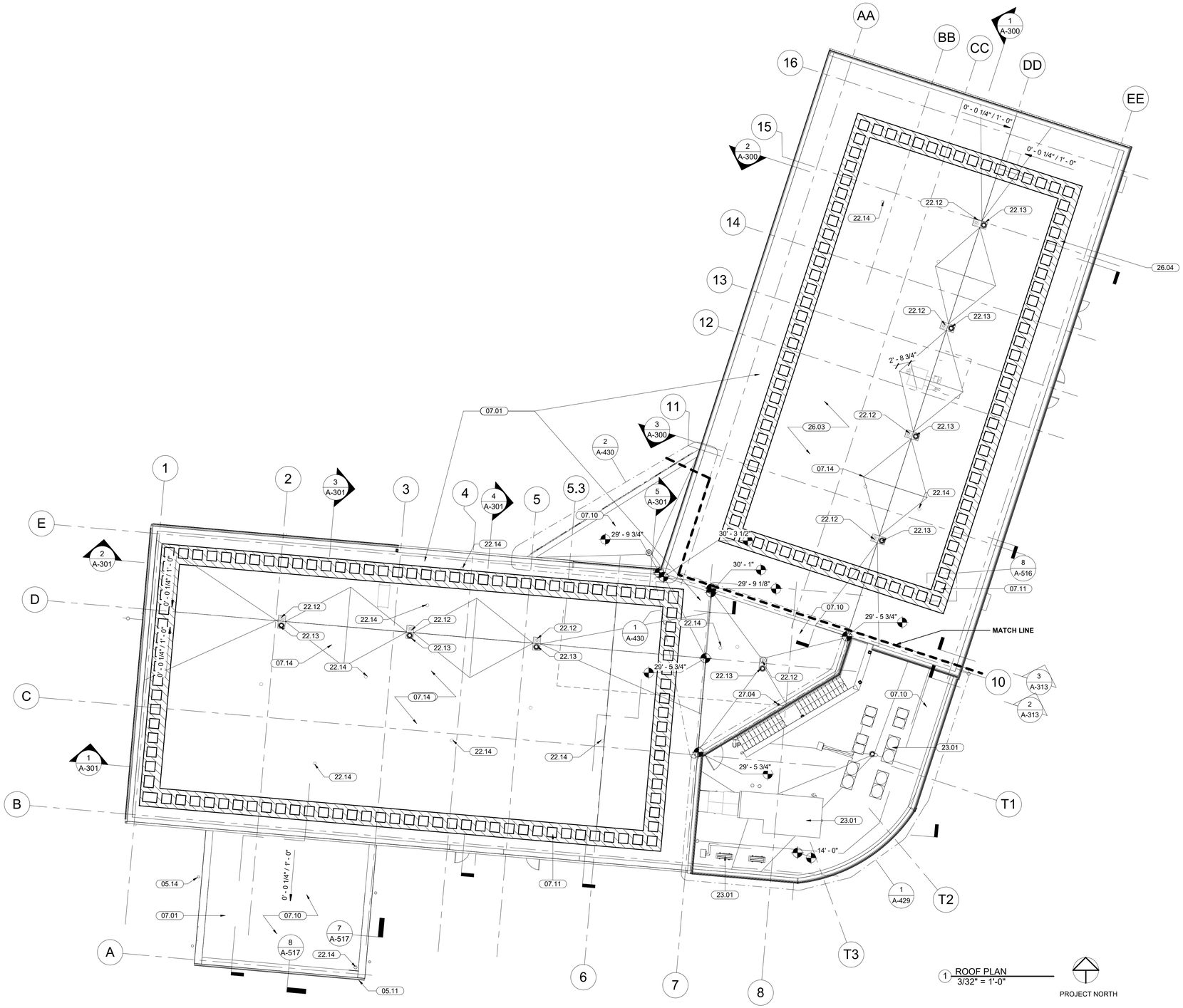
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
826 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4516 fax
226 West Market Street, York, Pennsylvania 17401
717-846-8827 voice 717-845-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-102	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 71 OF 302
	DRAWING NUMBER
	2024-1384
	FILE NO.: 8 REV: 0502



1 ROOF PLAN
3/32" = 1'-0"

PROJECT NORTH

KEYNOTE LEGEND	
TAG	DESCRIPTION
05.11	5" PREFINISHED BOX GUTTER.
05.14	6" STEEL CONC. FILLED BOLLARD WITH PLASTIC COVER.
07.01	TPO SINGLE-PLY MEMBRANE ROOF.
07.10	TAPERED INSULATION.
07.11	ADHERED WALK PAD TYP.
07.14	TAPERED ROOF CRICKET
22.12	ROOF DRAIN, SEE PLUMBING.
22.13	OVERFLOW ROOF DRAIN, SEE PLUMBING.
22.14	SAN. VENT, SEE PLUMBING.
23.01	MECHANICAL EQUIP., SEE MECHANICAL.
26.03	PHOTOVOLTAIC PANEL & BALLAST SYS., SEE ELECTRICAL.
26.04	PVs CLEARANCE SERVICE AREA.
27.04	OWNER-PROVIDED 800mHz ROOFTOP ANTENNA. CONTRACTOR TO PROVIDE 2" OD GALV PIPE MAST w/ CAP MOUNTED TO BLOCKING IN PARAPET PER ANTENNA MFG REQ. EXTENDING 4' ABOVE TOP OF PARAPET, AND 4" CONDUIT FROM PARAPET TO IT ROOM 223.

C:\Users\dwg\Documents\2213\A1 New Wilkens Police Precinct_dwg(QZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 2:25:07 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.

CONTRACT COMPLETION BOX | R.O.W NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 3/32" = 1'-0" ; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER ; DATE:

DGN BY: JAT	DRN BY: DWG/ AWU	CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF PLAN

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

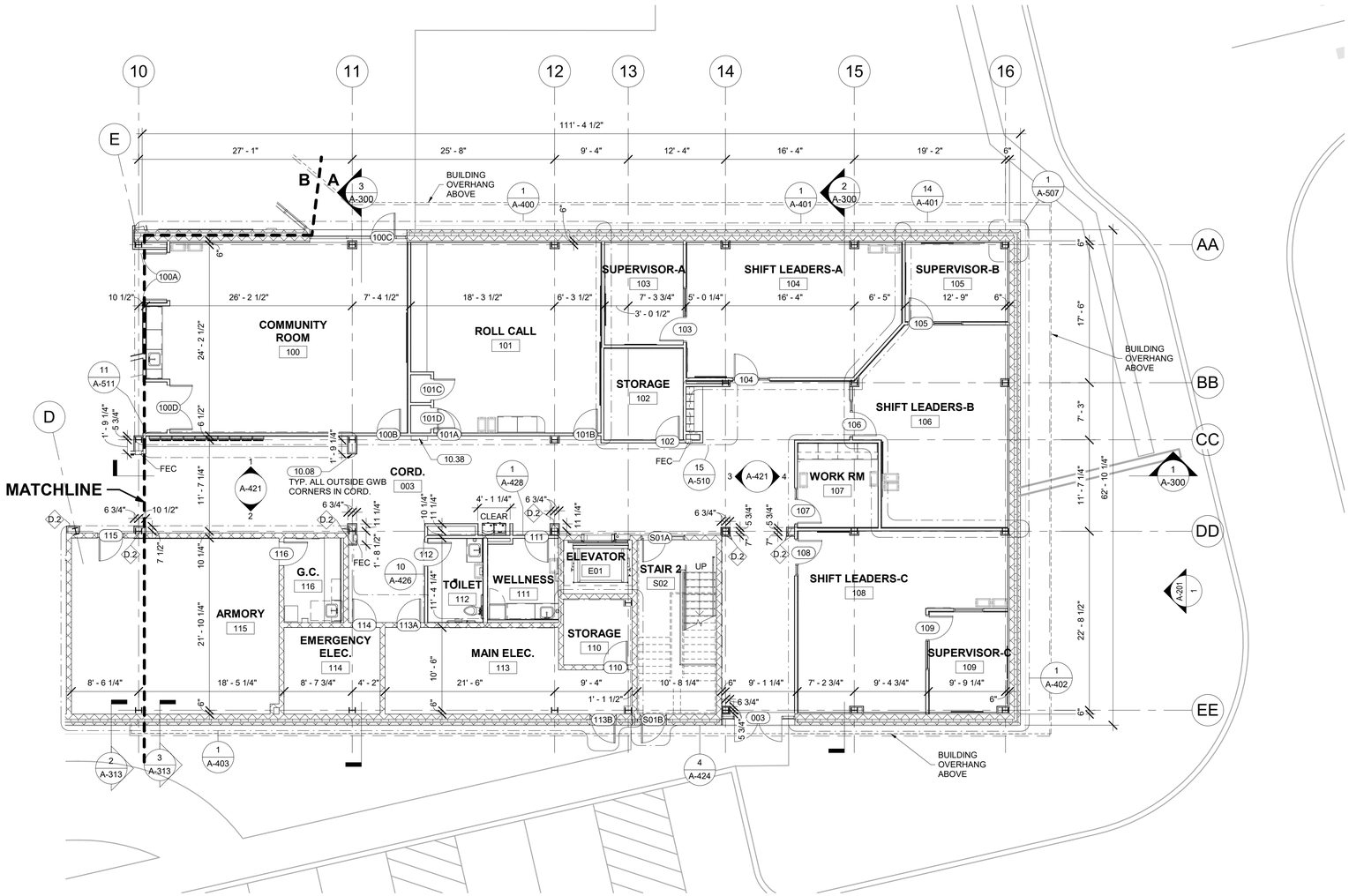
Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax

228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-103	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 72 OF 302
	DRAWING NUMBER
	2024-1385
	FILE NO.: 8

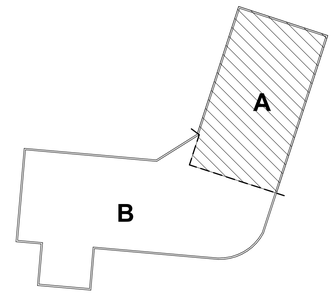
KEYNOTE LEGEND	
TAG	DESCRIPTION
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.38	10 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.



1 AREA PLAN A - FIRST FLOOR
1/8" = 1'-0"

(NOTE: SEE ENLARGED PLANS FOR WALL TYPE TAGS)

BUILDING NORTH



KEY PLAN - A

C:\Users\dwg\Documents\2213061 New Wilkens Police Precinct_dwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
300 North Charles Street, Baltimore, Maryland 21201 410-625-0622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-846-9627 voice 717-845-2466 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:05:01 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED FIRST FLOOR PLAN - WING A

NEW BUILDING DESIGN

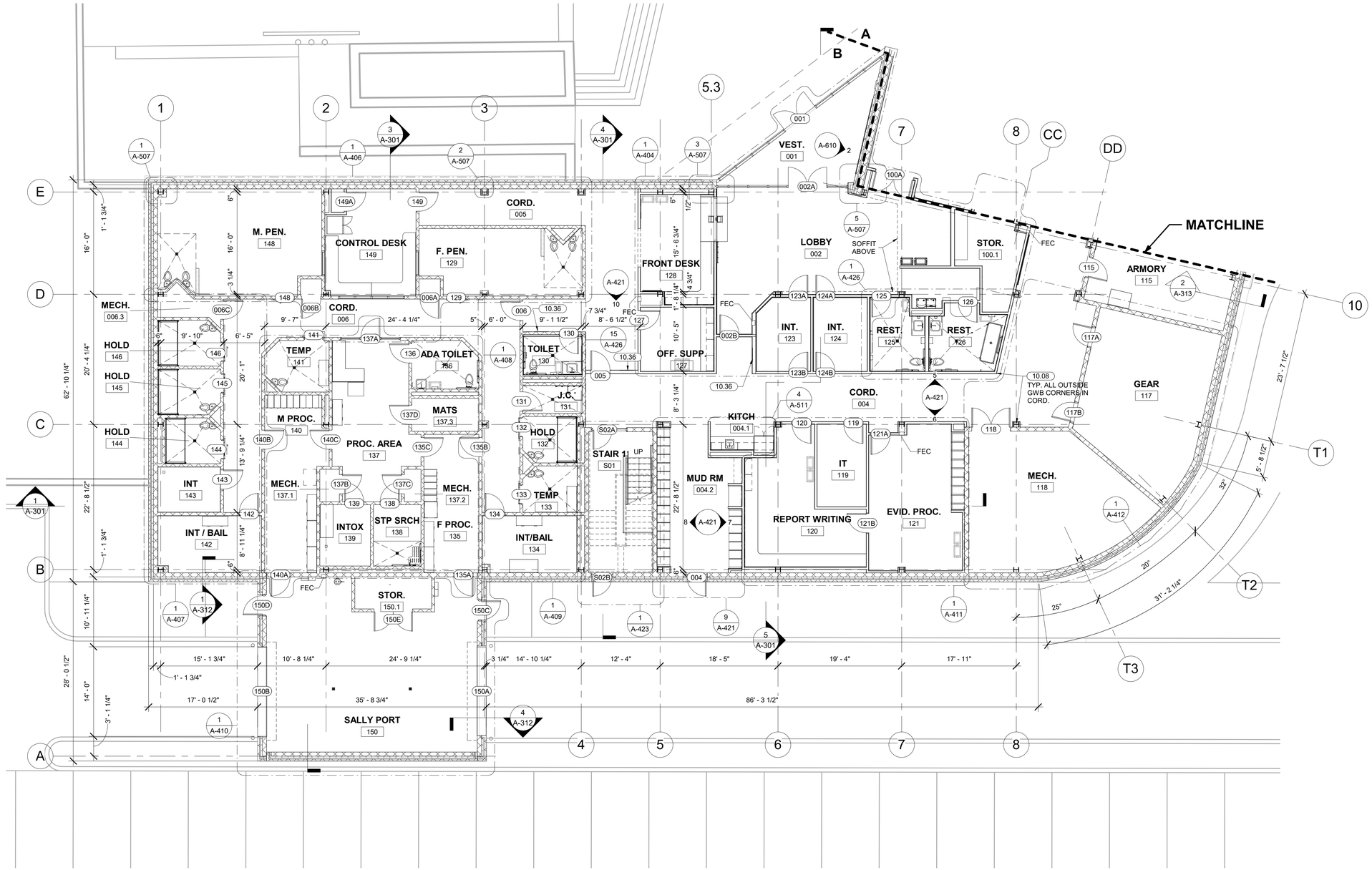
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-104	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 73 OF 302
	DRAWING NUMBER
	2024-1386
	FILE NO.: 8

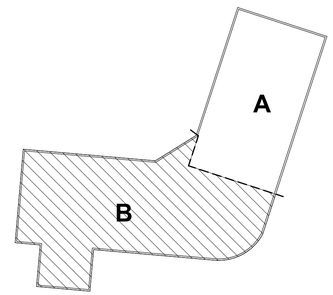
KEYNOTE LEGEND	
TAG	DESCRIPTION
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.36	6 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.



1 AREA PLAN B - FIRST FLOOR
1/8" = 1'-0"

(NOTE: SEE ENLARGED PLANS FOR WALL TYPE TAGS)

BUILDING NORTH



KEY PLAN - B

C:\Users\dhay\Documents\22130A1 New Wilkens Police Precinct_dhayRZANS.rvt

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-846-9827 voice 717-845-2486 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-105	24111 PPO

JOB ORDER NUMBER
300200006
SHEET 74 OF 302
DRAWING NUMBER
2024-1387
FILE NO.: 8 REV 03/22

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:05:03 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated
			PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED FIRST FLOOR PLAN - WING B

NEW BUILDING DESIGN

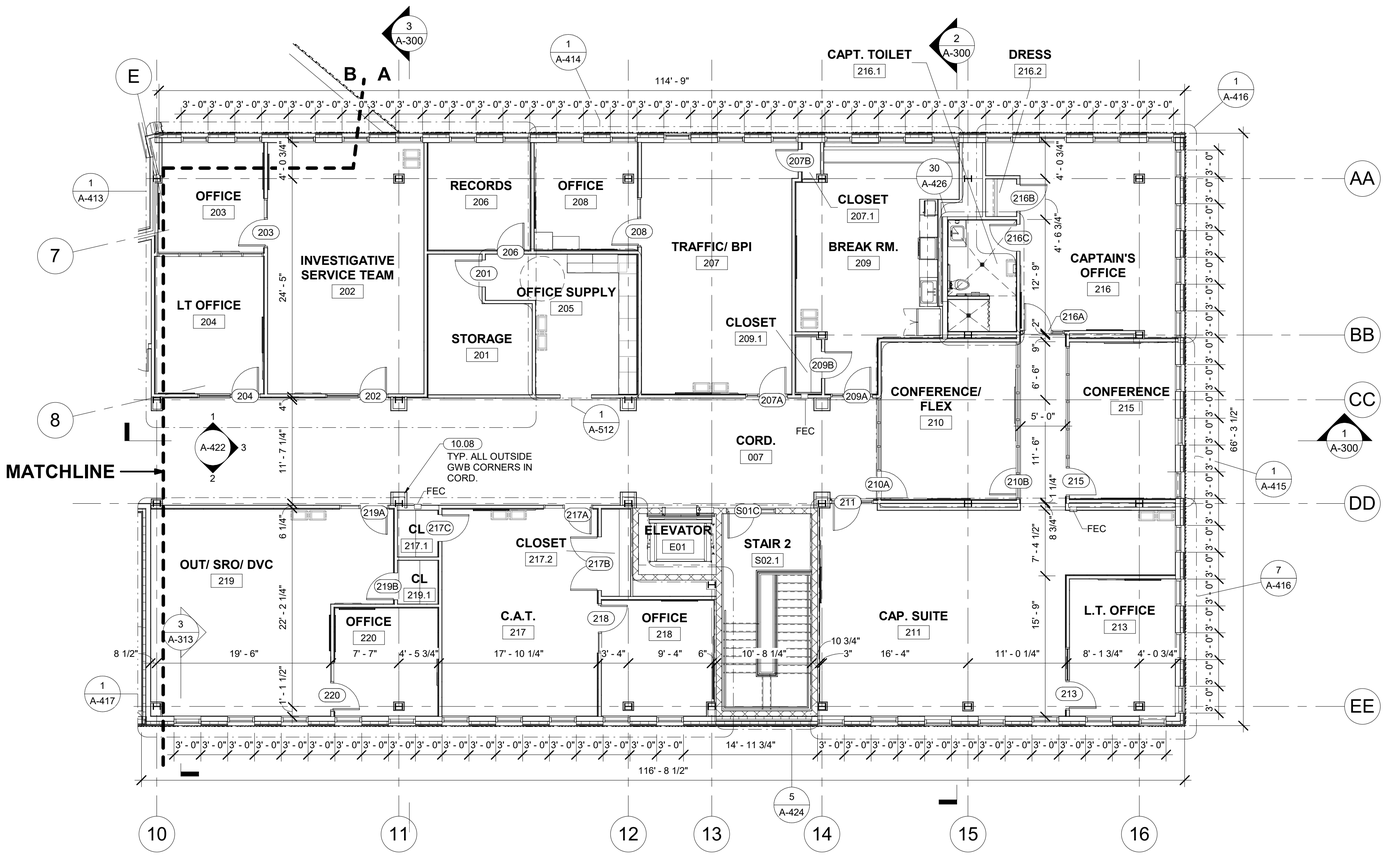
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

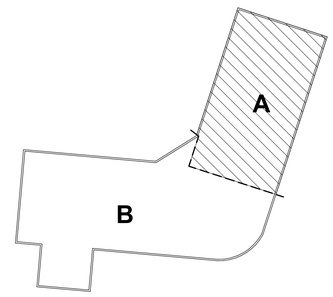
KEYNOTE LEGEND	
TAG	DESCRIPTION
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION



1 AREA PLAN A - SECOND FLOOR
1/8" = 1'-0"

(NOTE: SEE ENLARGED PLANS FOR WALL TYPE TAGS)

BUILDING NORTH



KEY PLAN - A

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4617 fax
226 West Market Street, York, Pennsylvania 17401 717-845-2437 fax 717-845-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-106	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 75 OF 302
	DRAWING NUMBER 2024-1388
	FILE NO.: 8 REV: 03/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:05:06 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DSN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: DWG/ AWU	REVIEWED BY:							
CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED SECOND FLOOR PLAN - WING A

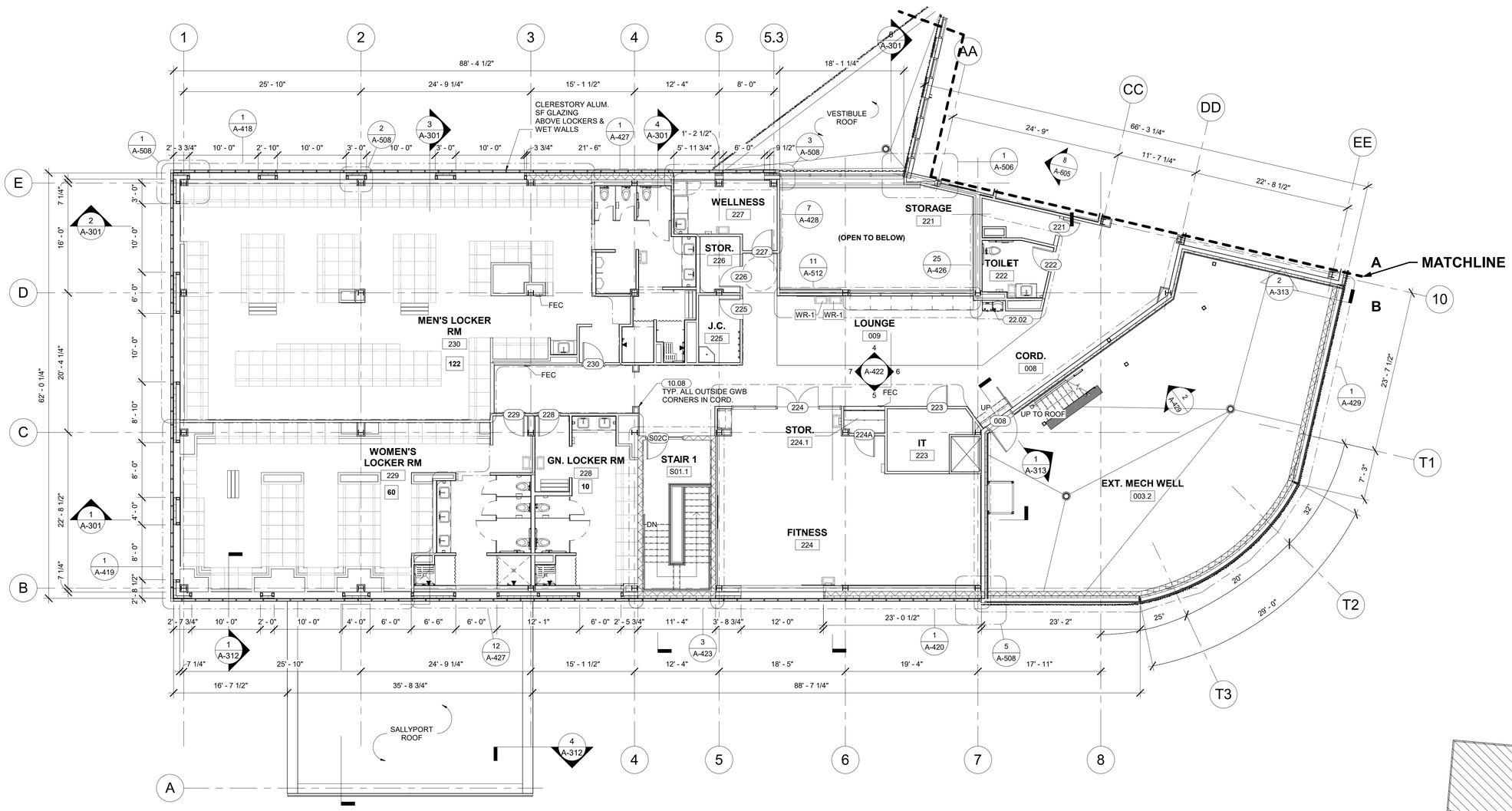
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

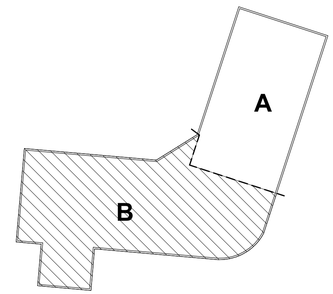
KEYNOTE LEGEND	
TAG	DESCRIPTION
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
22.02	DRINKING FOUNTAIN W/BOTTLE FILLER STATION - REFER TO PLUMBING DRAWINGS FOR DTL'S.



1 AREA PLAN B - SECOND FLOOR
1/8" = 1'-0"

(NOTE: SEE ENLARGED PLANS FOR WALL TYPE TAGS)

BUILDING NORTH



KEY PLAN - B

C:\Users\dwg\Documents\2213011 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-107	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 76 OF 302
	DRAWING NUMBER 2024-1389
	FILE NO.: 8

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:05:09 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED SECOND FLOOR PLAN - WING B

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

2 ENLARGED CANOPY RCP
3/16" = 1'-0"

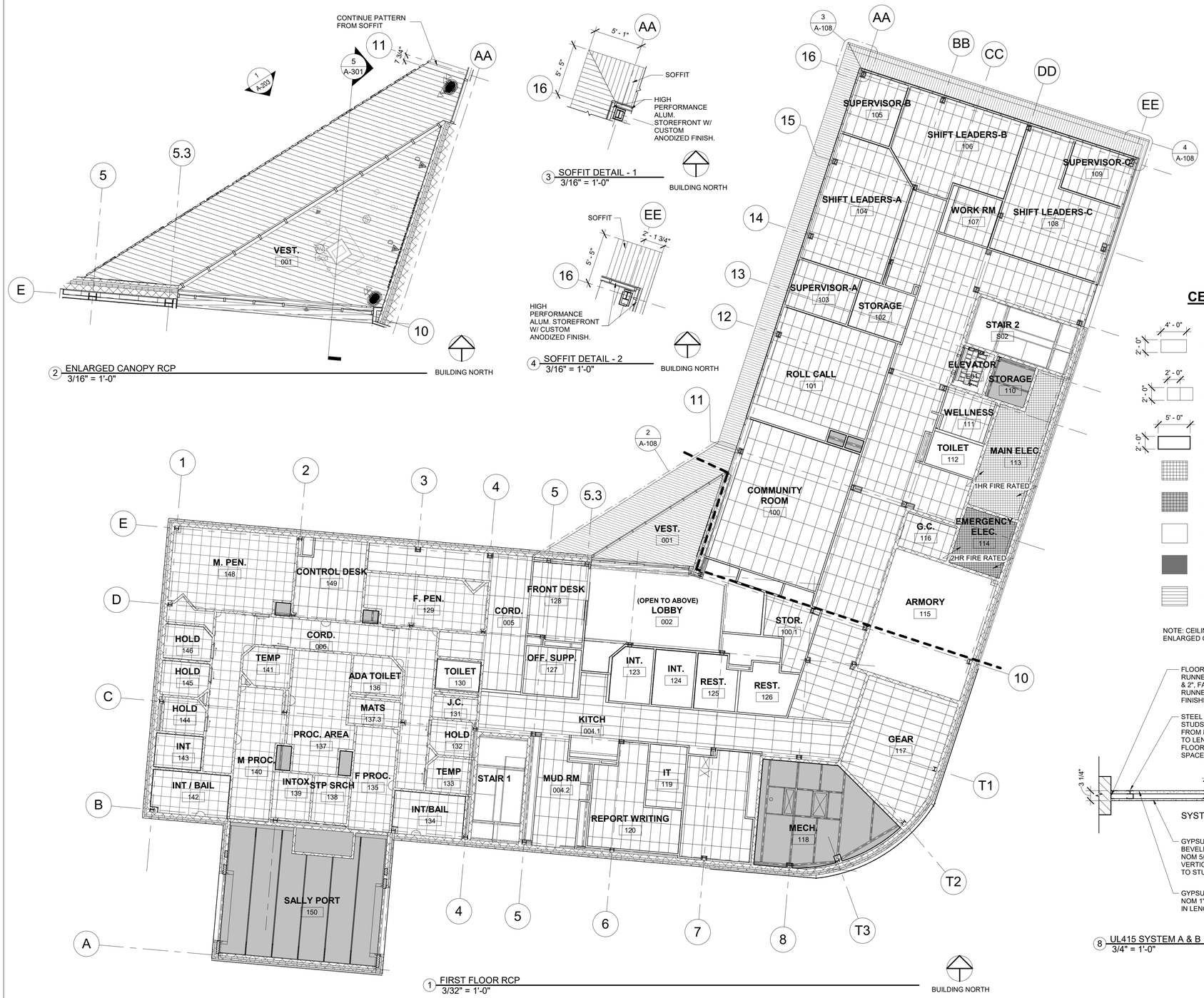
BUILDING NORTH

3 SOFFIT DETAIL - 1
3/16" = 1'-0"

BUILDING NORTH

4 SOFFIT DETAIL - 2
3/16" = 1'-0"

BUILDING NORTH



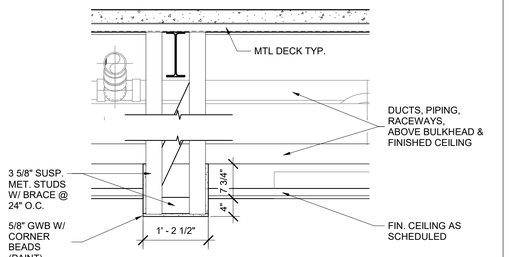
1 FIRST FLOOR RCP
3/32" = 1'-0"

BUILDING NORTH

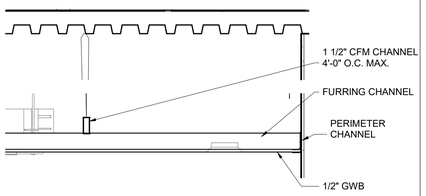
CEILING LEGEND

- 4' - 0" / 2' - 0" - 2' X 4' - ACT
- 2' - 0" / 2' - 0" - 2' X 2' - ACT
- 5' - 0" / 2' - 0" - 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINT
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING (ORIENTATION AS SHOWN ON PLAN)

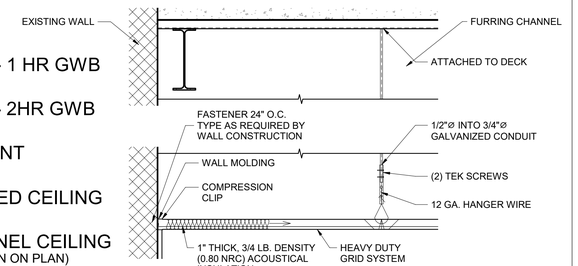
NOTE: CEILING TYPES & A.F.F. ELEVATIONS ARE PROVIDED ON ENLARGED CEILING PLANS



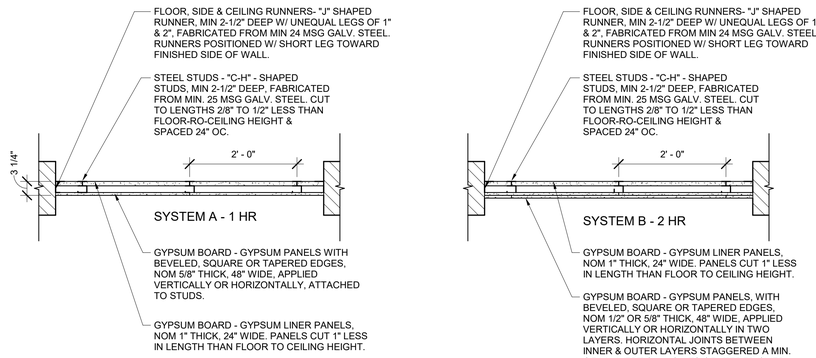
5 TYPICAL CEILING DETAIL - CORRIDOR BULKHEAD
3/4" = 1'-0"



6 TYPICAL CEILING DETAIL - SUSPENDED GWB CEILING
3/4" = 1'-0"



7 TYPICAL CEILING DETAIL - ACT 5
3/4" = 1'-0"



8 UL415 SYSTEM A & B
3/4" = 1'-0"

C:\Users\dwg\Documents\23190A1 New Wilkens Police Precinct_dwgQZANS8.rvt

Murphy & Dittenhafer ARCHITECTS

826 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax

226 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-845-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-108	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 77 OF 302
	DRAWING NUMBER 2024-1390
	FILE NO.: 8 REV: 09/22

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:05:14 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20 | PLAN SCALE: As indicated. | PROFILE SCALE:

APPROVED BY: PROPERTY MANAGER

DATE:

	DGN BY:	DWN BY:	CHKD BY:
	JAT	DWG/ AWU	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR RCP

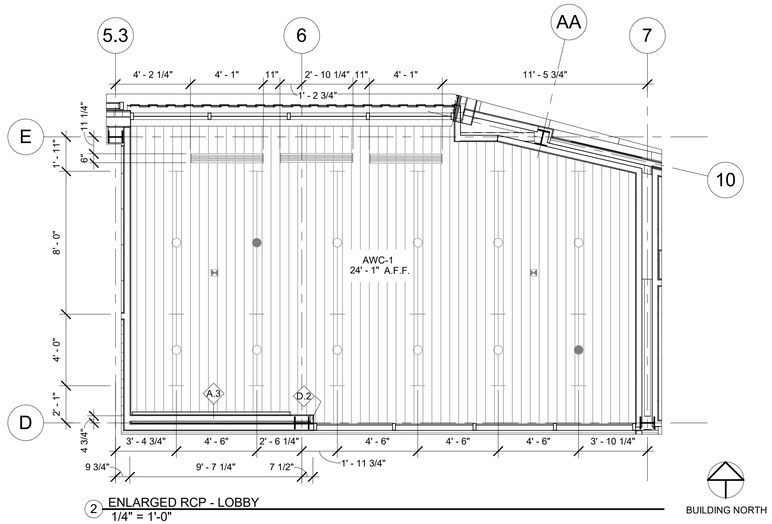
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

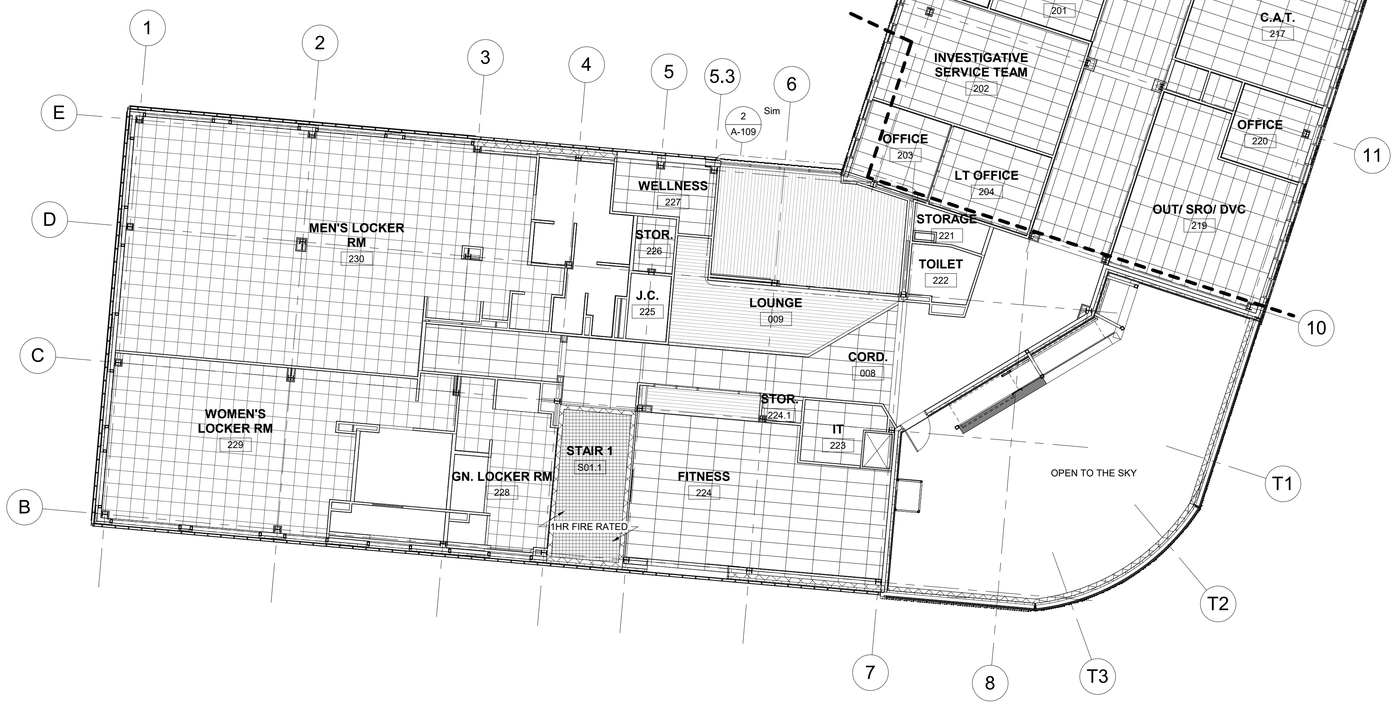
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND



2 ENLARGED RCP - LOBBY
1/4" = 1'-0"

BUILDING NORTH



1 SECOND FLOOR RCP
3/32" = 1'-0"

BUILDING NORTH

CEILING LEGEND

- 2' X 4' - ACT
- 2' X 2' - ACT
- 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINTED
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING (ORIENTATION AS SHOWN ON PLAN)

NOTE: CEILING TYPES & A.F.F. ELEVATIONS ARE PROVIDED ON ENLARGED CEILING PLANS

C:\Users\dhay\Documents\22130A1 New Wilkens Police Precinct_dhayQZAN8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:05:16 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19	PLAN SCALE:	As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:		PROPERTY MANAGER
	CONTRACT COMPLETION BOX								DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DSN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR RCP

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

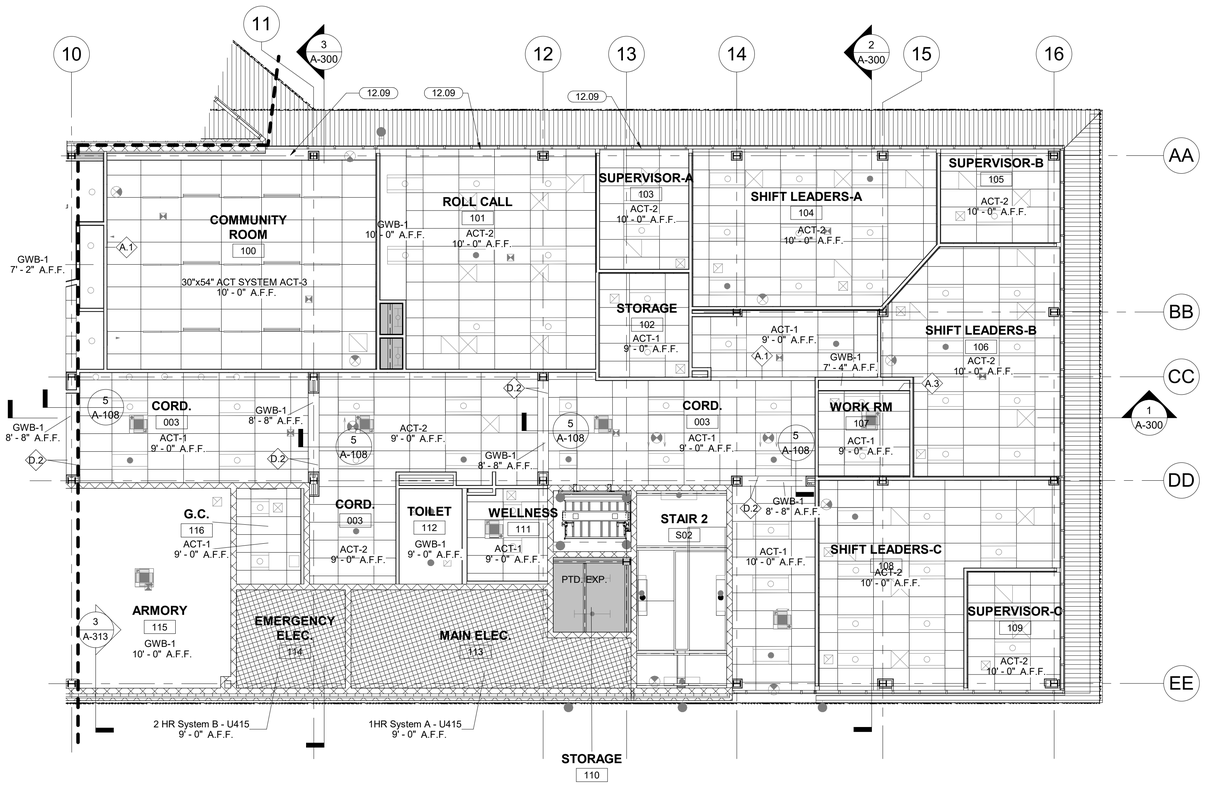
Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-109	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 78 OF 302
	DRAWING NUMBER
	2024-1391
	FILE NO.: 8 REV: 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
12.09	TYP. MANUAL RECESSED ROLLER SHADE.

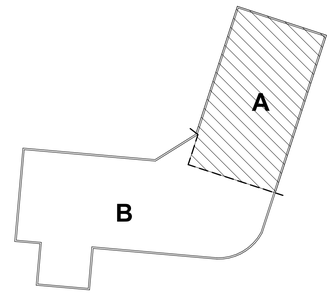
CEILING LEGEND

- 2' X 4' - ACT
- 2' X 2' - ACT
- 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINT
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING (ORIENTATION AS SHOWN ON PLAN)



1 ENLARGED FIRST FLOOR RCP - WING A
1/8" = 1'-0"

BUILDING NORTH



KEY PLAN - A

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Murphy & Dittenhafer ARCHITECTS
839 North Charles Street, Baltimore, Maryland 21201 410-625-4610 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6827 voice 717-845-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:05:19 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607, EXPIRATION DATE 06/13/2027							14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated		APPROVED BY: PROPERTY MANAGER
					R.O.W NO.	GSW		PROFILE SCALE:		DATE:
		CONTRACT COMPLETION BOX								
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:								
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED FIRST FLOOR RCP - WING A

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

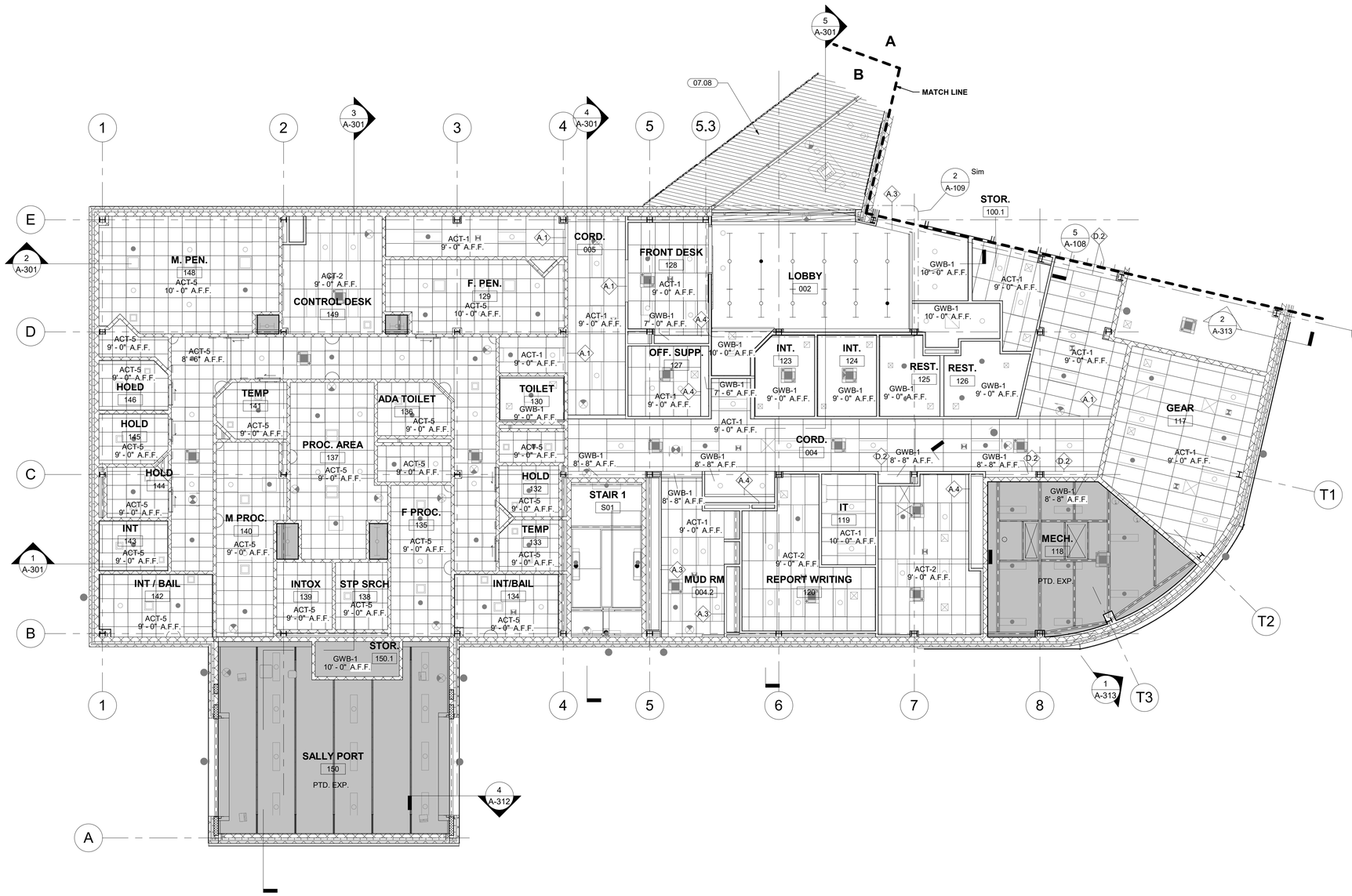
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-110	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 79 OF 302
	DRAWING NUMBER 2024-1392
	FILE NO.: 8 REV. 03/02

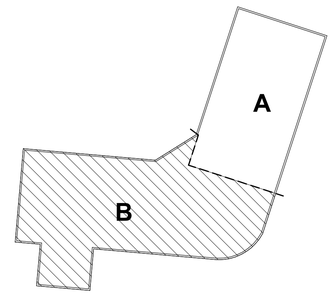
BALTIMORE COUNTY MARYLAND

KEYNOTE LEGEND	
TAG	DESCRIPTION
07.08	PROVIDE FOR EXTERIOR SOFFIT & CEILING FIN. FOR VESTIBULE W/WD. LOOD ALUM. T&G SYSTEM.



CEILING LEGEND

- 2' X 4' - ACT
- 2' X 2' - ACT
- 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINT
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING (ORIENTATION AS SHOWN ON PLAN)



KEY PLAN - B

1 ENLARGED FIRST FLOOR RCP - WING B
1/8" = 1'-0"

BUILDING NORTH

C:\Users\ldugy\Documents\2213\0A1 New Wilkens Police Precinct_dugyQZ_LNS.rvt

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:05:22 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED FIRST FLOOR RCP - WING B

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

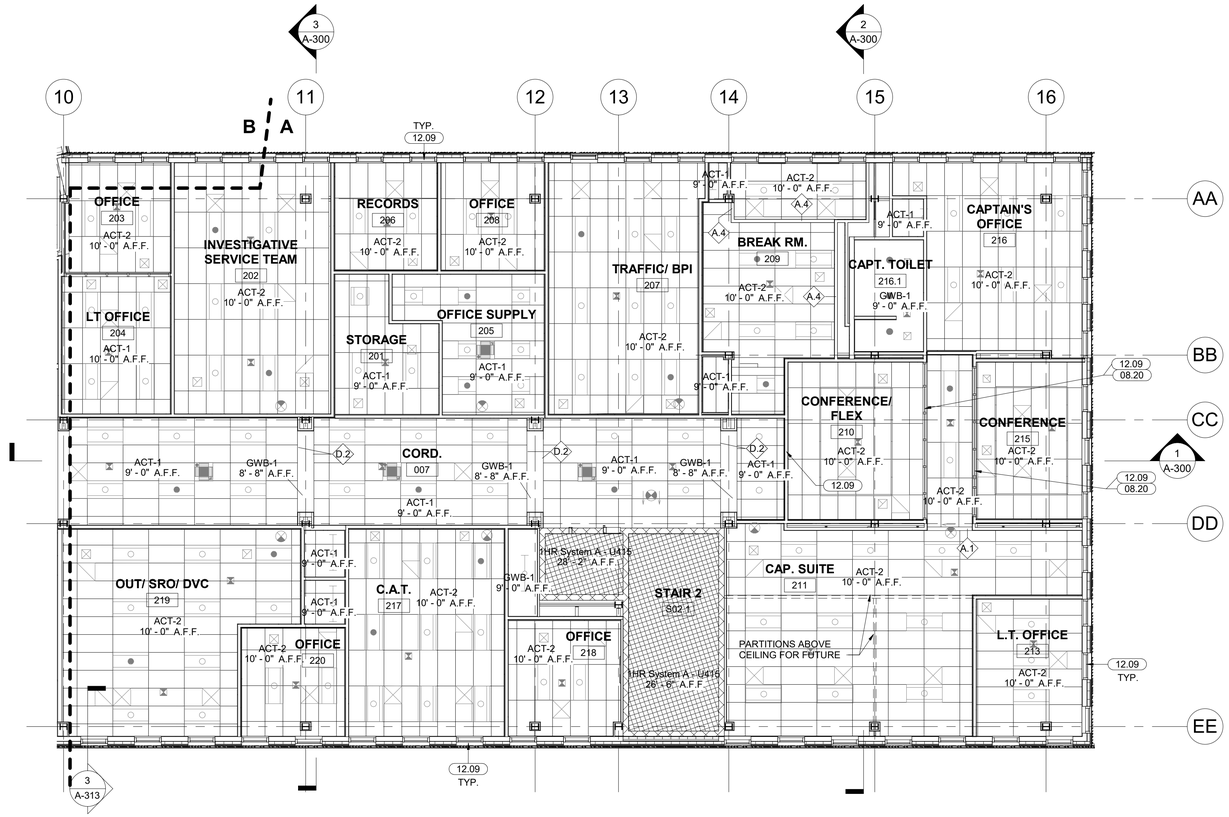
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-111	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 80 OF 302
	DRAWING NUMBER
	2024-1393
	FILE NO.: 8 REV: 03/03

KEYNOTE LEGEND	
TAG	DESCRIPTION
08.20	CLERESTORY INT. GLAZING.
12.09	TYP. MANUAL RECESSED ROLLER SHADE.

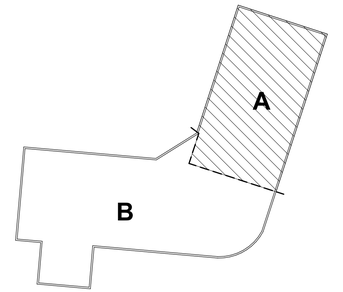


1 ENLARGED SECOND FLOOR RCP - WING A
1/8" = 1'-0"

BUILDING NORTH

CEILING LEGEND

- 2' X 4' - ACT
- 2' X 2' - ACT
- 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINTED
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING
(ORIENTATION AS SHOWN ON PLAN)



KEY PLAN - A

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SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:05:25 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE: As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:	PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX							DATE:
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BY: DATE:	CHKD BY: RLM	REVIEWED BY:							
		DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED SECOND FLOOR RCP - WING A

NEW BUILDING DESIGN

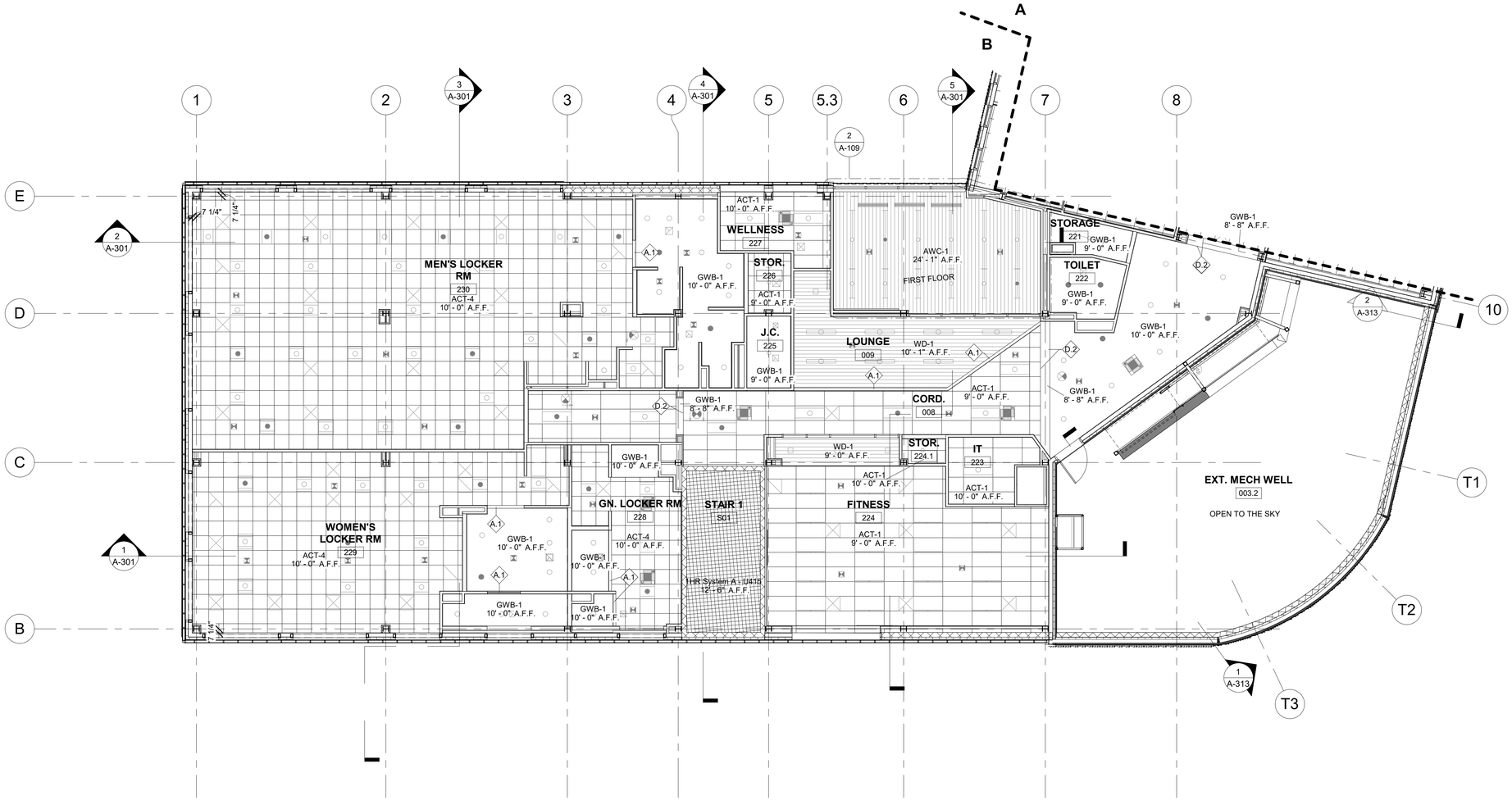
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4423 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-6627 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-112	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 81 OF 302
	DRAWING NUMBER
	2024-1394
	FILE NO.: 8

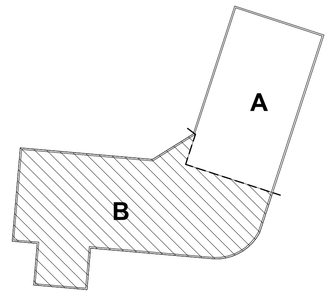


1 ENLARGED SECOND FLOOR RCP - WING B
1/8" = 1'-0"

BUILDING NORTH

CEILING LEGEND

- 4' - 0" / 2' - 0" - 2' X 4' - ACT
- 2' - 0" / 2' - 0" - 2' X 2' - ACT
- 5' - 0" / 2' - 0" - 2' X 5' - ACT
- U415 SYSTEM A - 1 HR GWB
- U415 SYSTEM B - 2HR GWB
- SUSP. GWB - PAINT
- PAINTED EXPOSED CEILING
- WOOD LOOK PANEL CEILING (ORIENTATION AS SHOWN ON PLAN)



KEY PLAN - B

C:\Users\dwg\Documents\2213OA1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-113	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 82 OF 302
	DRAWING NUMBER 2024-1395
	FILE NO.: 8

SEAL — ARCHITECTURAL REGISTRATION BOARD 6607-A — FREDERICK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:05:27 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED SECOND FLOOR RCP - WING B

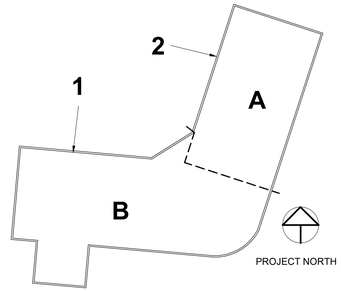
NEW BUILDING DESIGN

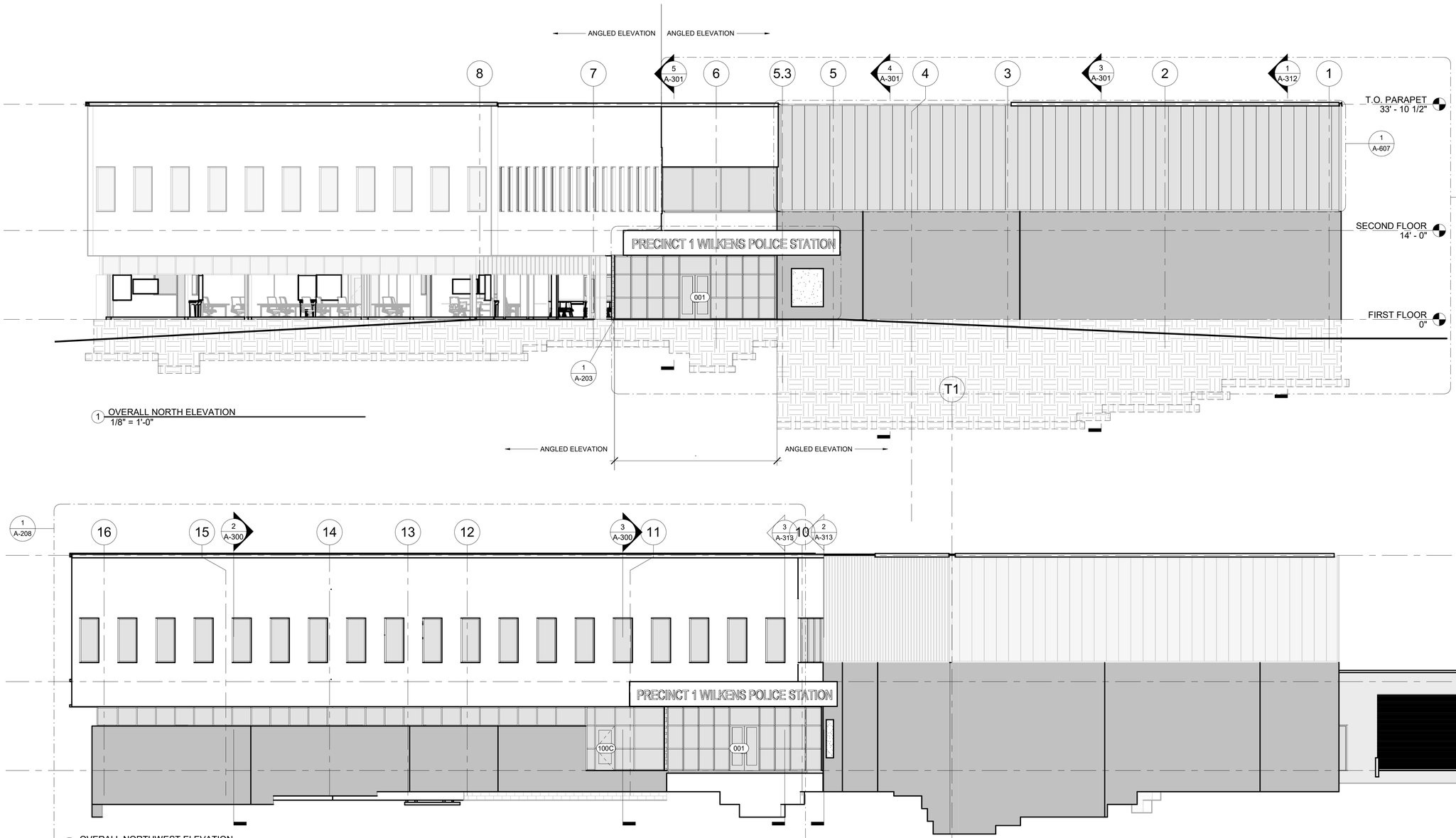
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND





1 OVERALL NORTH ELEVATION
1/8" = 1'-0"

2 OVERALL NORTHWEST ELEVATION
1/8" = 1'-0"

GENERAL NOTE:
SEE CONDITION OF WALL FINISHES ON THE ENLARGED ELEVATIONS. GC TO COORDINATE WITH SECTIONS, ELEVATIONS & CIVIL GRADING PLANS.

C:\Users\dwg\Documents\2213011 New Wilkens Police Precinct_dwgQZAN8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:05:31 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.					R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated	APPROVED BY:
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE: PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

Murphy & Dittenhafer
ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4624 fax
226 West Market Street, York, Pennsylvania 17401 717-846-4623 voice 717-845-2488 fax

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL EXTERIOR ELEVATIONS

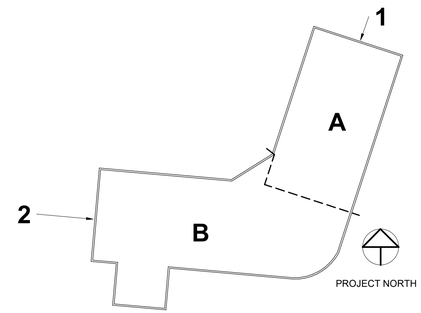
NEW BUILDING DESIGN

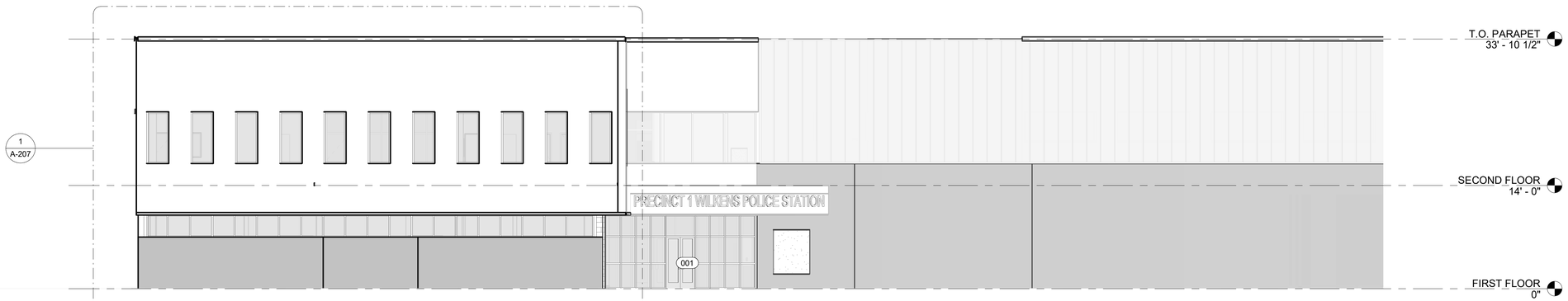
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

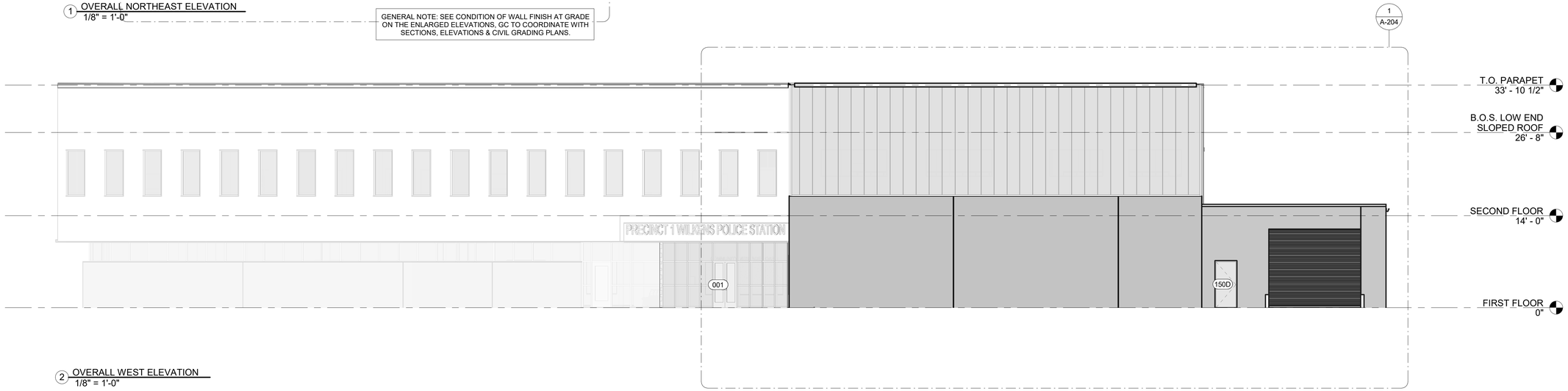
SHEET DESIGNATION	CONTRACT NUMBER
A-200	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 83 OF 302
	DRAWING NUMBER 2024-1396
	FILE NO.: 8 REV. 03/22





1 OVERALL NORTHEAST ELEVATION
1/8" = 1'-0"

GENERAL NOTE: SEE CONDITION OF WALL FINISH AT GRADE ON THE ENLARGED ELEVATIONS, GC TO COORDINATE WITH SECTIONS, ELEVATIONS & CIVIL GRADING PLANS.



2 OVERALL WEST ELEVATION
1/8" = 1'-0"

C:\Users\dlwg\Documents\2213061 New Wilkens Police Precinct_dlwg(ZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:05:37 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL EXTERIOR ELEVATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

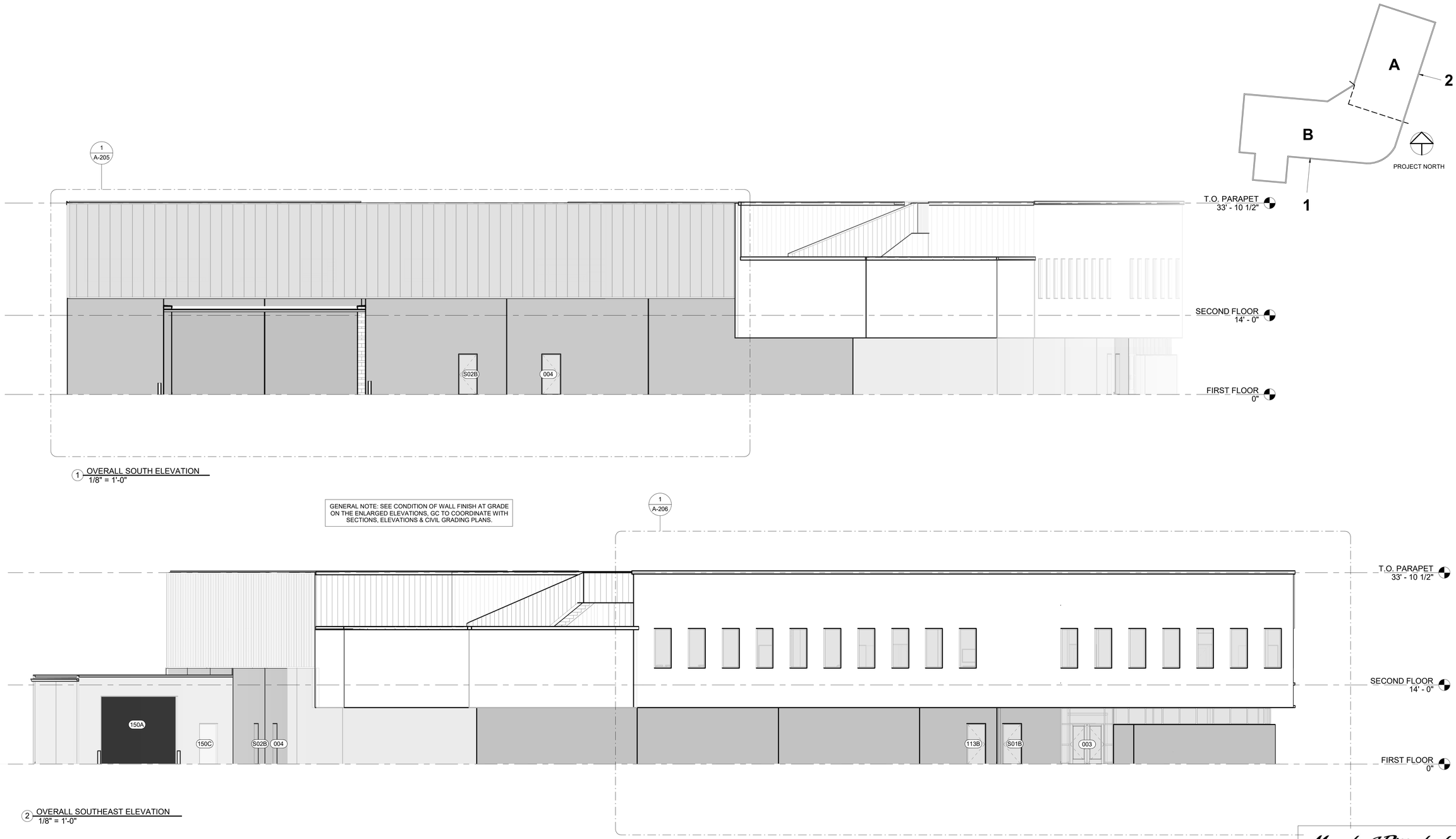
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

800 North Charles Street, Baltimore, Maryland 21201 410-625-4822 voice 410-625-4819 fax

226 West Market Street, York, Pennsylvania 17401 717-848-3827 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-201	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 84 OF 302
	DRAWING NUMBER
	2024-1397
	FILE NO.: 8 REV. 03/03



1 OVERALL SOUTH ELEVATION
1/8" = 1'-0"

GENERAL NOTE: SEE CONDITION OF WALL FINISH AT GRADE ON THE ENLARGED ELEVATIONS. GC TO COORDINATE WITH SECTIONS, ELEVATIONS & CIVIL GRADING PLANS.

2 OVERALL SOUTHEAST ELEVATION
1/8" = 1'-0"

C:\Users\dwg\Documents\23190A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

826 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4674 fax

226 West Market Street, York, Pennsylvania 17401
717-846-8627 voice 717-845-2449 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:05:43 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:		
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated
			PROFILE SCALE:	

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

OVERALL EXTERIOR ELEVATIONS

NEW BUILDING DESIGN

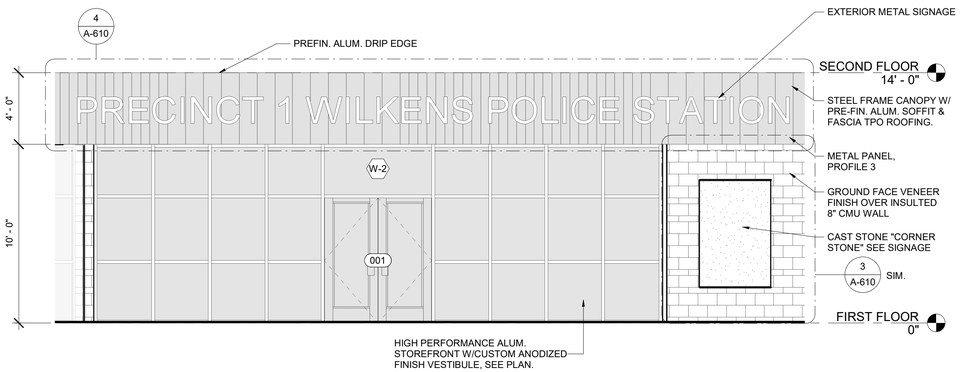
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

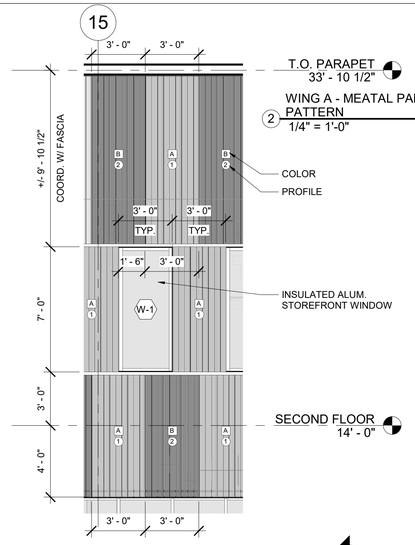
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

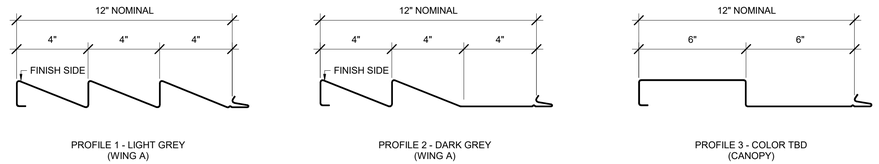
SHEET DESIGNATION	CONTRACT NUMBER
A-202	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 85 OF 302	
DRAWING NUMBER	2024-1398
FILE NO.: 8	REV. 09/22



1 VESTIBULE - ENLARGED ELEVATION
1/4" = 1'-0"

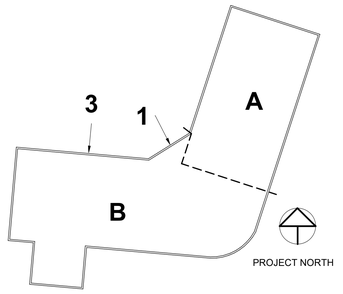


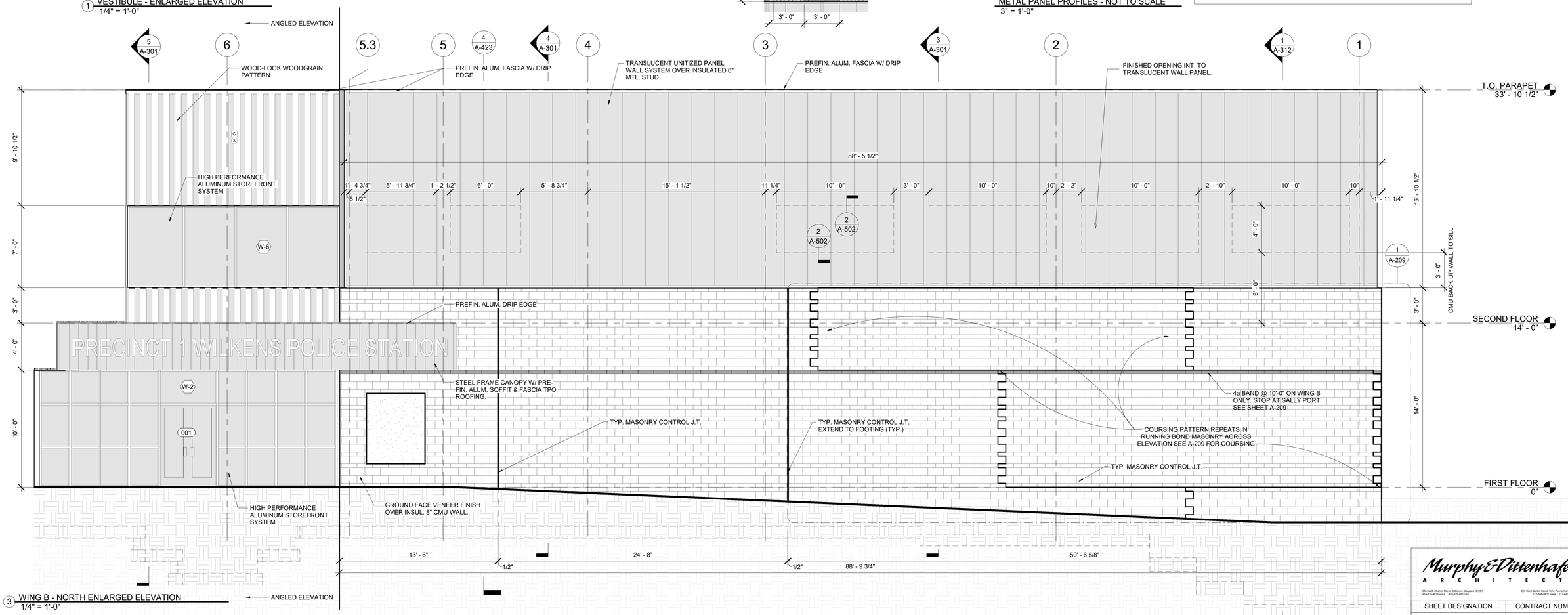
2 WING A - MEATAL PANEL PULSE 1 & PULSE 2 PATTERN
1/4" = 1'-0"



METAL PANEL PROFILES - NOT TO SCALE
3" = 1'-0"

NOTE: REFER TO METAL PANEL SPEC. FOR COLOR SELECTIONS FOR "A" & "B" PATTERN





3 WING B - NORTH ENLARGED ELEVATION
1/4" = 1'-0"

ANGLED ELEVATION

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:06:16 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

	DSN BY:	DWN BY:	CHKD BY:
ARCHITECT:	JAT	DWG/ AWU	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

NEW BUILDING DESIGN

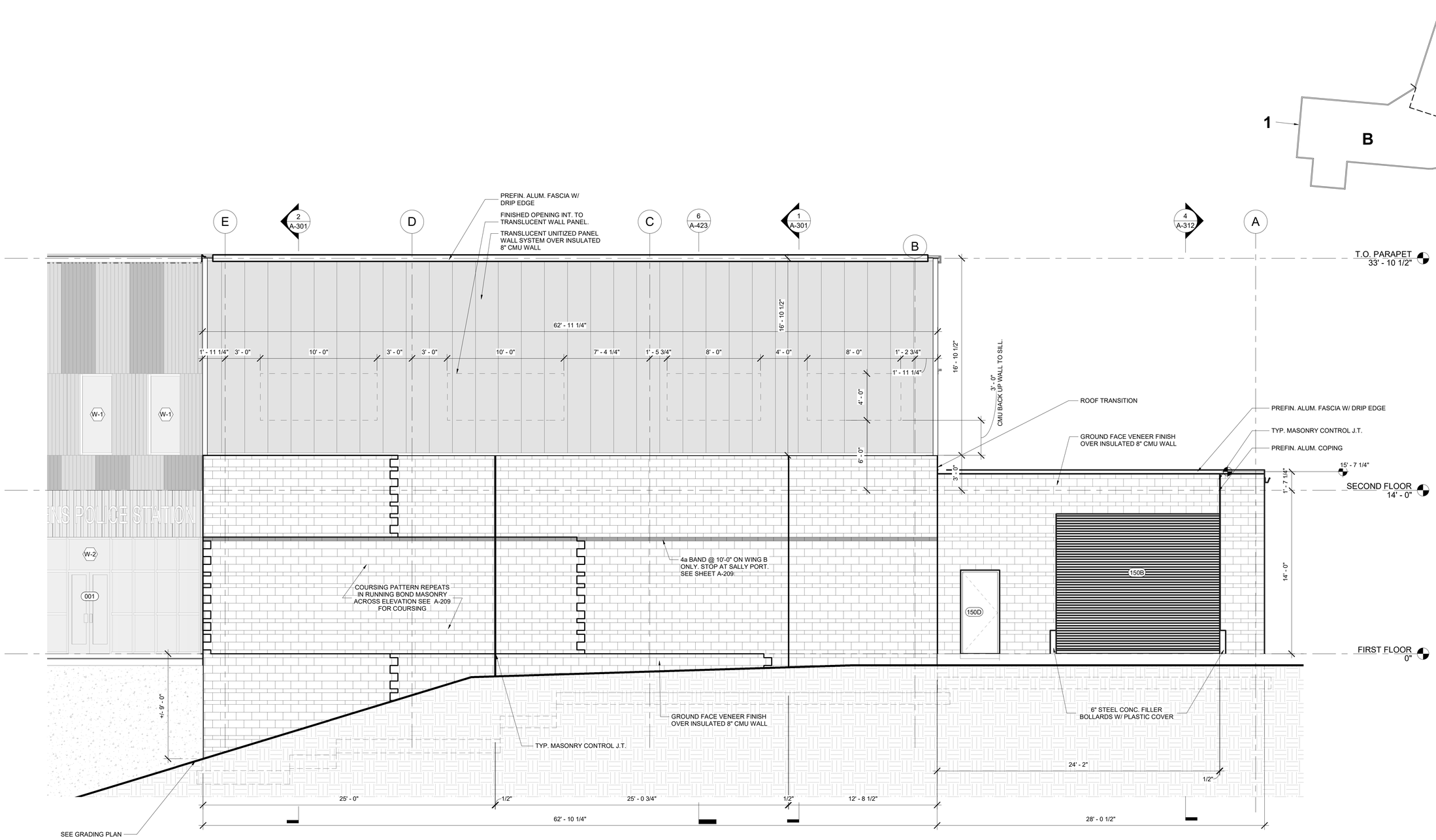
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
205 North Charles Street, Baltimore, Maryland 21201 410-625-4515 voice 410-625-4516 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6927 voice 717-845-2468 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-203	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 86 OF 302
	DRAWING NUMBER
	2024-1399
	FILE NO.: 8 REV: 03/22



1 WING B - WEST ENLARGED ELEVATION
1/4" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER STATE OF MARYLAND 6/19/2025	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated	APPROVED BY: PROPERTY MANAGER
DATE : 6/19/2025 1:06:19 PM	ARCHITECT: Frank Elwood Dittenhafer, II	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	AS-BUILT PER RECORD PRINT	BY: DATE:	DGN BY: JAT	DWN BY: DWG/ AWU	CHKD BY: RLM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
						REVIEWED BY:							
						DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

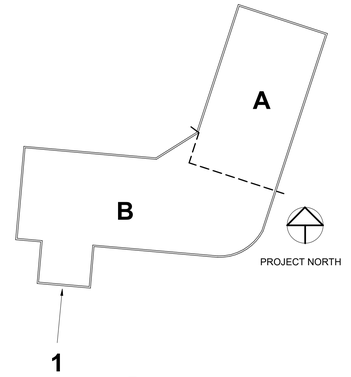
NEW BUILDING DESIGN

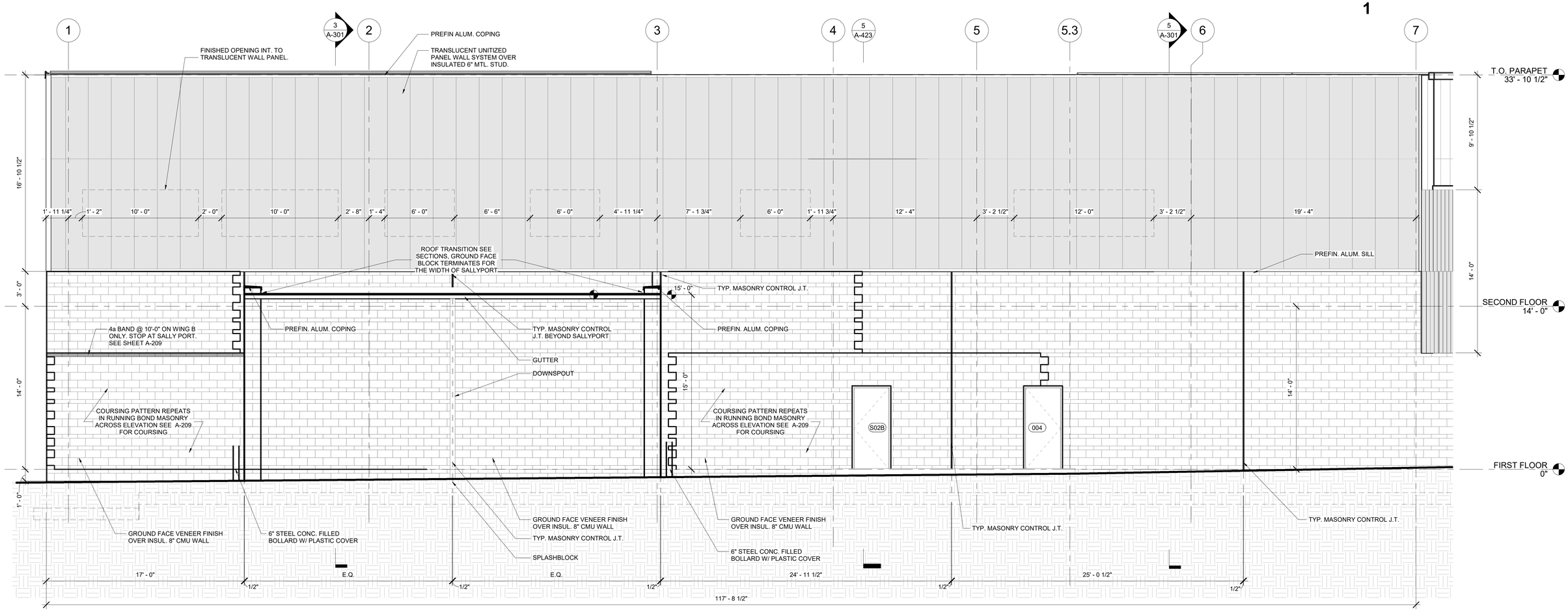
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-204	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 87 OF 302
	DRAWING NUMBER 2024-1400
	FILE NO.: 8 REV. 03/22





1 WING B - SOUTH ENLARGED ELEVATION
1/4" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS

300 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4624 fax

226 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-205	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 88 OF 302
	DRAWING NUMBER
	2024-1401
	FILE NO.: 8

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:06:21 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

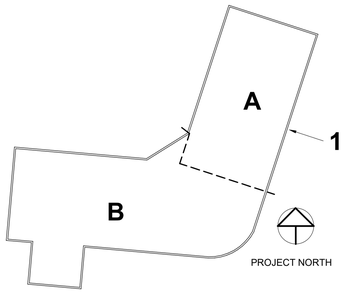
NEW BUILDING DESIGN

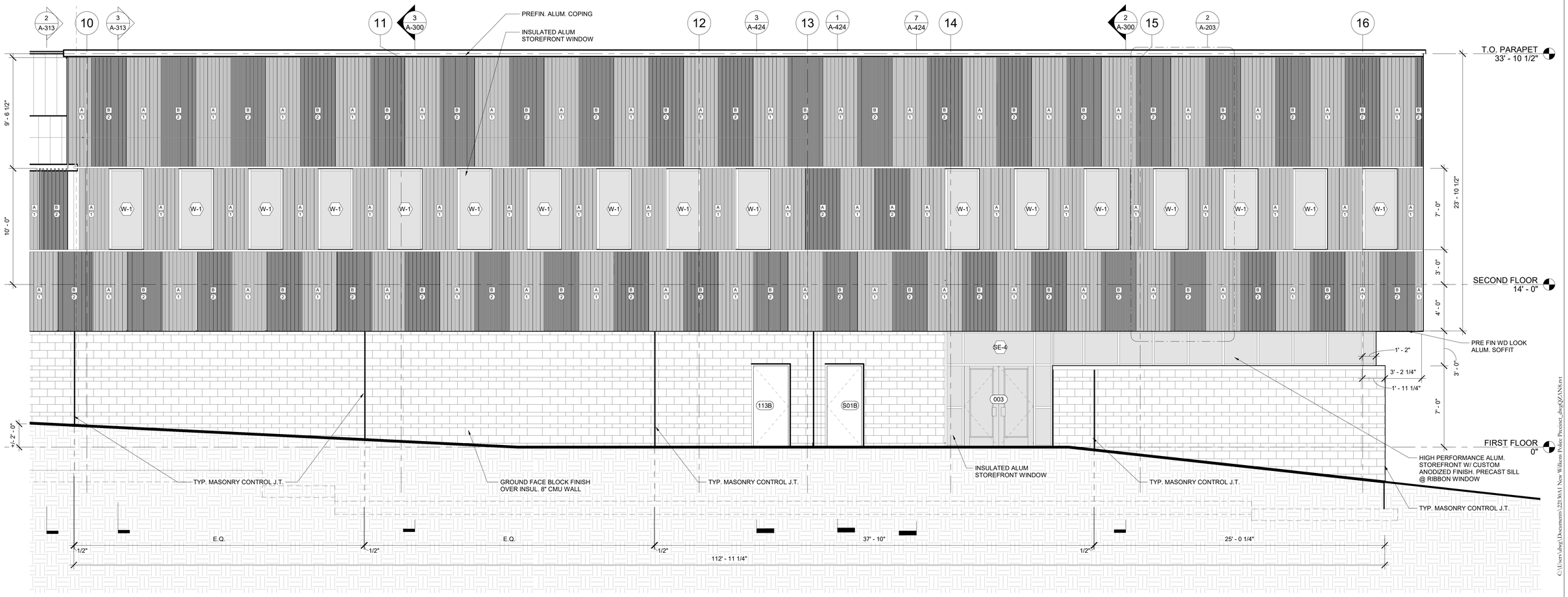
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND





1 WING A - SOUTHEAST ENLARGED ELEVATION
1/4" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-0927 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-206	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 89 OF 302
	DRAWING NUMBER
	2024-1402
	FILE NO.: 8

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:06:25 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

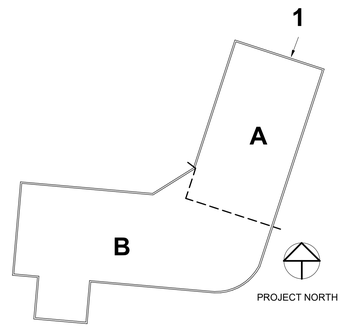
NEW BUILDING DESIGN

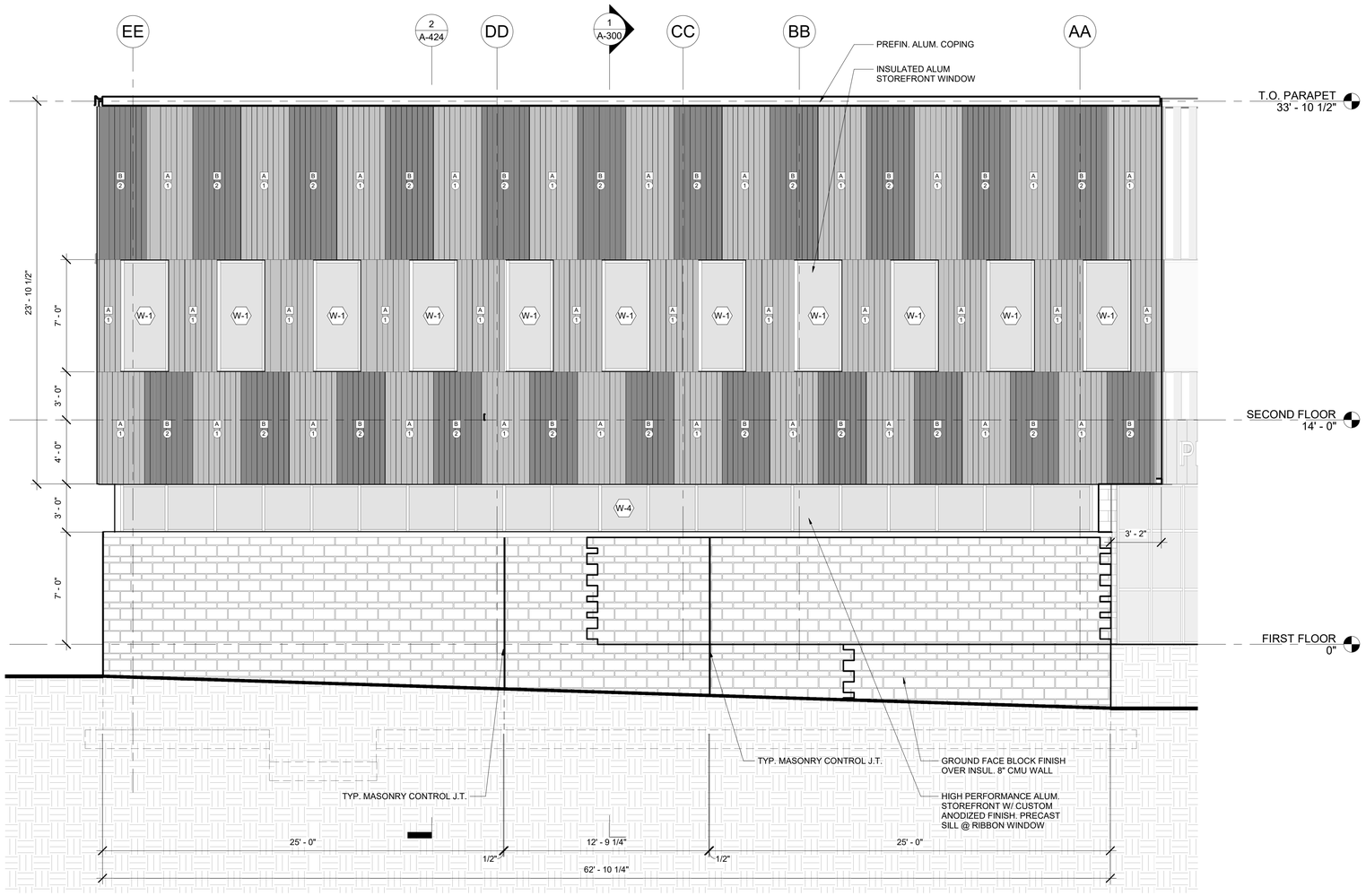
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND





1 WING A - NORTHEAST ENLARGED ELEVATION
1/4" = 1'-0"

C:\Users\dwg\Documents\2213011 New Wilkens Police Precinct_dwgQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:06:29 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE: As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:	PROPERTY MANAGER
		CONTRACT COMPLETION BOX							DATE:

ARCHITECT:	DGN BY:	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
Frank Elwood Dittenhafer, II	JAT								
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY:	CHKD BY: RLM	DATE REVIEWED:							
DATE:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

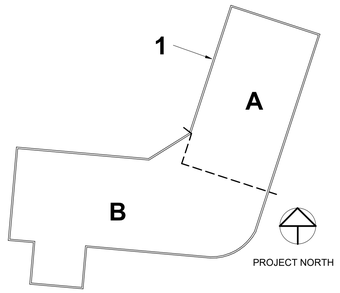
SUBDIVISION: WILKENS

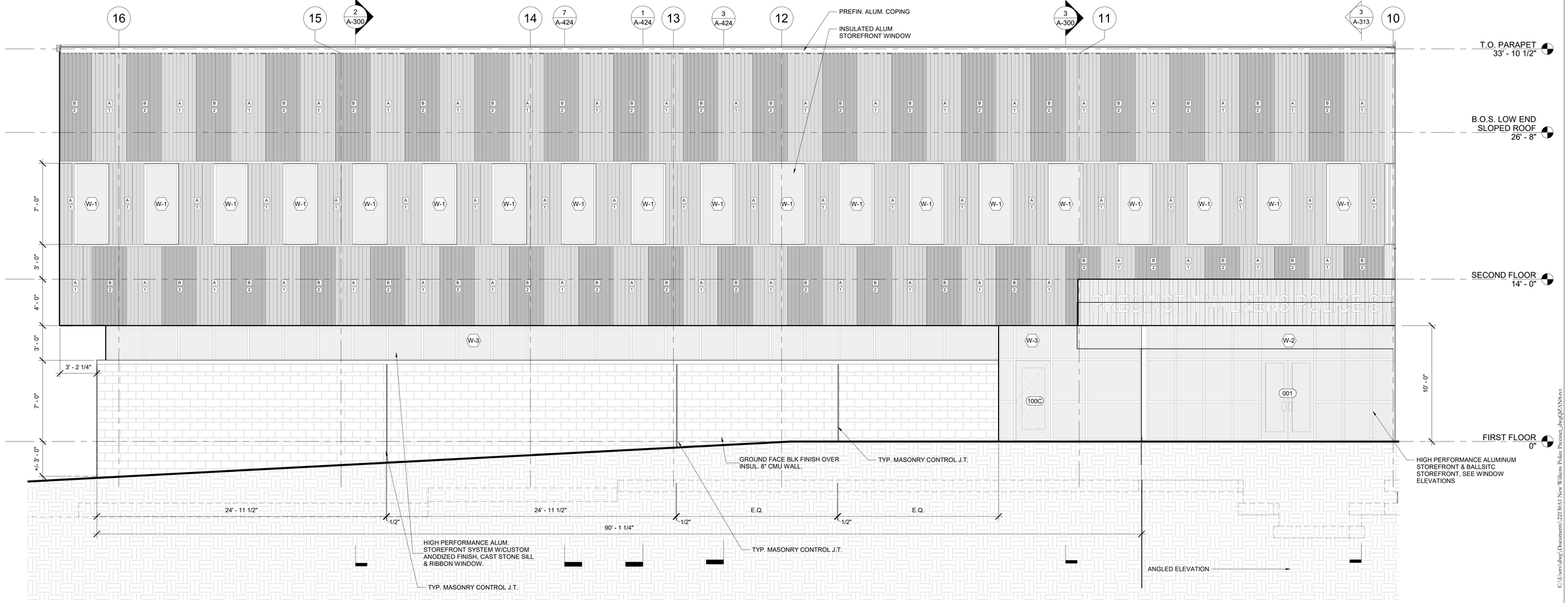
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4433 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401
717-846-0927 voice 717-845-2466 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-207	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 90 OF 302
	DRAWING NUMBER
	2024-1403
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND





1 WING A - NORTHWEST ENLARGED ELEVATION
1/4" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS

836 North Charles Street, Baltimore, Maryland 21201 410-625-0622 voice 410-625-4514 fax

226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2488 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:06:32 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated	APPROVED BY: PROPERTY MANAGER	
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:	DATE:	
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX								
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY:	CHKD BY: RLM	REVIEWED BY:								
DATE:		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATIONS

NEW BUILDING DESIGN

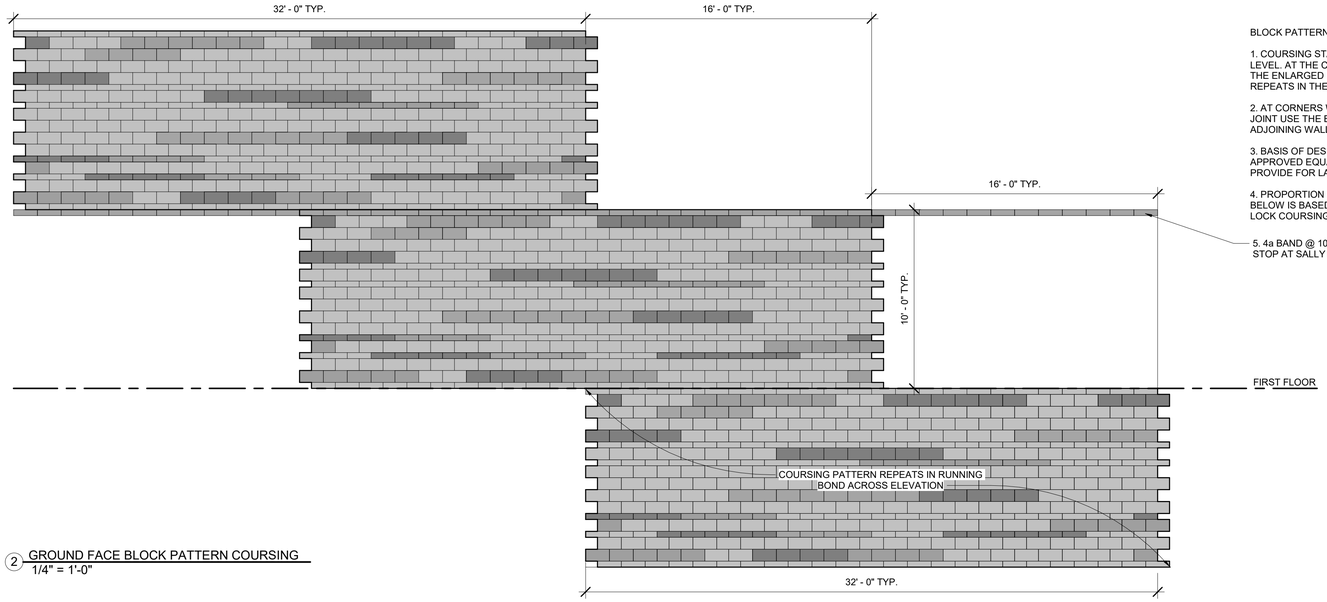
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-208	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 91 OF 302
	DRAWING NUMBER
	2024-1404
	FILE NO.: 8 REV: 03/03

BALTIMORE COUNTY MARYLAND



2 GROUND FACE BLOCK PATTERN COURSING
1/4" = 1'-0"

BLOCK PATTERN & COURSING NOTES:

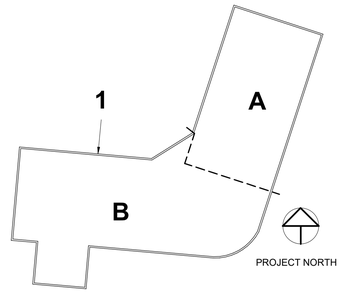
1. COURSING STARTS AT FIRST FLOOR LEVEL. AT THE CORNER INDICATED IN THE ENLARGED ELEVATIONS AND REPEATS IN THE DIRECTION INDICATED

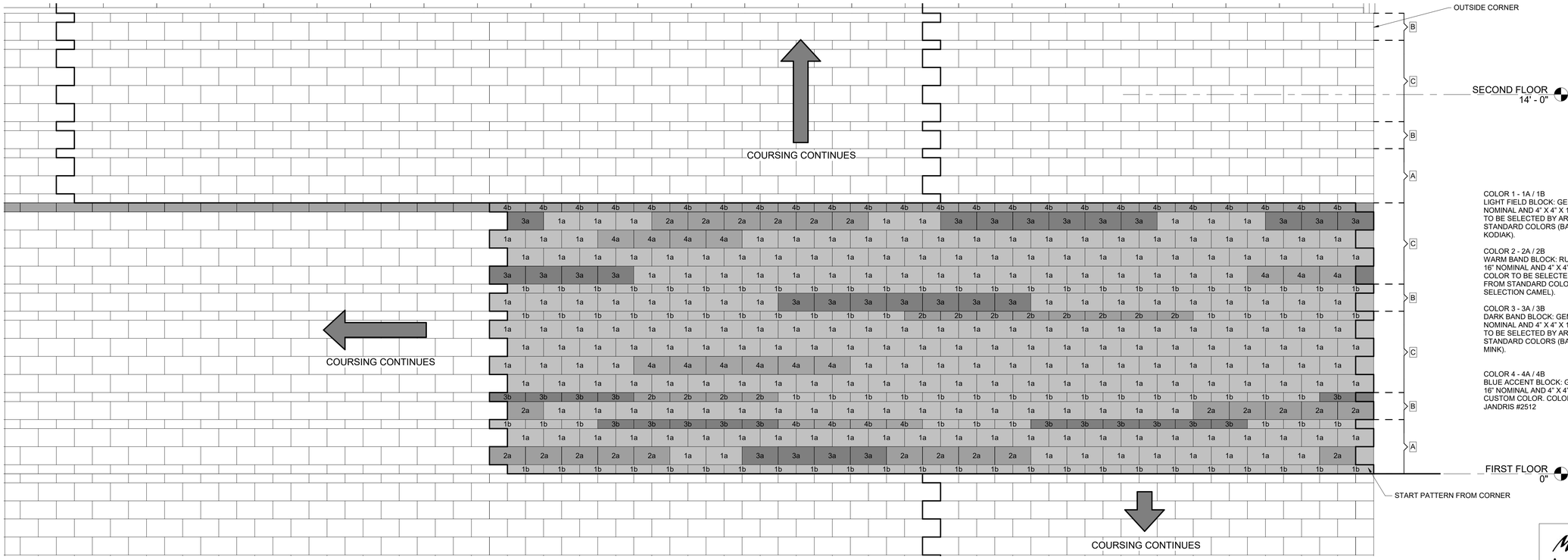
2. AT CORNERS WHERE BLOCKS FINGER JOINT USE THE BLOCK COLOR OF THE ADJOINING WALL.

3. BASIS OF DESIGN BLOCK COLORS OR APPROVED EQUALS ARE PROVIDED PROVIDE FOR LAYOUT PURPOSES.

4. PROPORTION OF BLOCK PROVIDED BELOW IS BASED OFF THE REPEATED B LOCK COURSING PATTERN.

5. 4a BAND @ 10'-0" ON WING B ONLY. STOP AT SALLY PORT.





COLOR 1 - 1A / 1B
LIGHT FIELD BLOCK: GEMSTONE, 4" X 8" X 16" NOMINAL AND 4" X 4" X 16" NOMINAL, COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLORS (BASE SELECTION KODIAK).

COLOR 2 - 2A / 2B
WARM BAND BLOCK: RUSTIC FACE, 4" X 8" X 16" NOMINAL AND 4" X 4" X 16" NOMINAL, COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLORS (BASE SELECTION CAMEL).

COLOR 3 - 3A / 3B
DARK BAND BLOCK: GEMSTONE, 4" X 8" X 16" NOMINAL AND 4" X 4" X 16" NOMINAL, COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLORS (BASE SELECTION MINK).

COLOR 4 - 4A / 4B
BLUE ACCENT BLOCK: GEMSTONE, 4" X 8" X 16" NOMINAL AND 4" X 4" X 16" NOMINAL, CUSTOM COLOR. COLOR MATCHED TO JANDRIS #2512

1 DETAIL ELEVATION - GROUND FACE BLOCK PATTERN
1/2" = 1'-0"

C:\Users\jkay\Documents\22130A1 New Wilkens Police Precinct_dkayQZA1N8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:06:33 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO.
R.O.W NO.

KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: DWG/ AWU	REVIEWED BY:							
CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED ELEVATION BLOCK COURSING

NEW BUILDING DESIGN

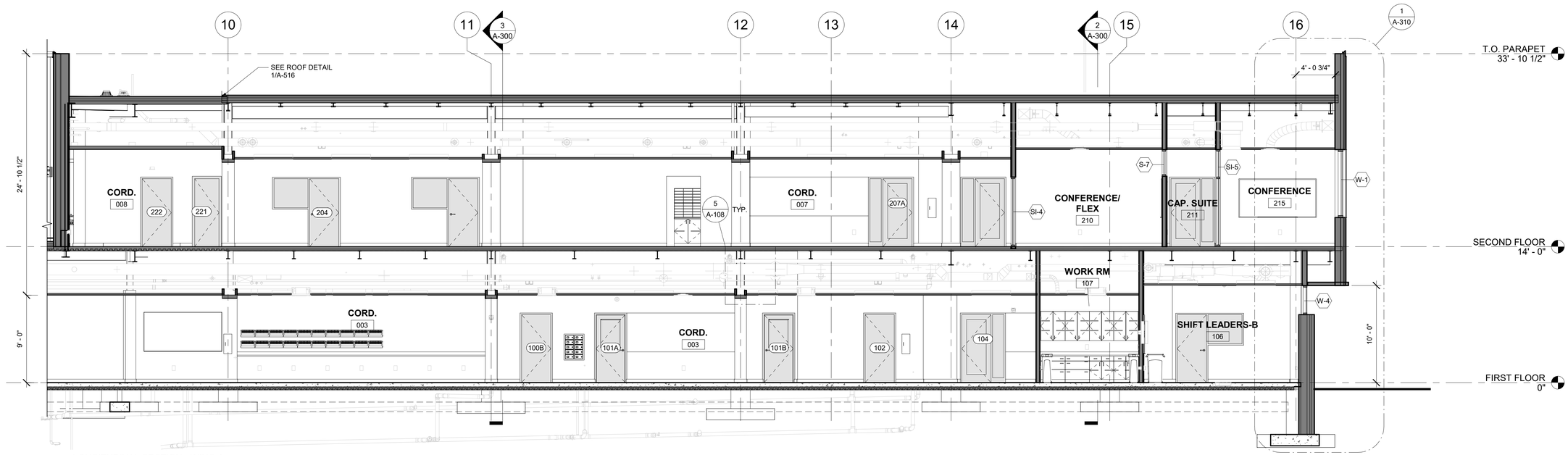
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

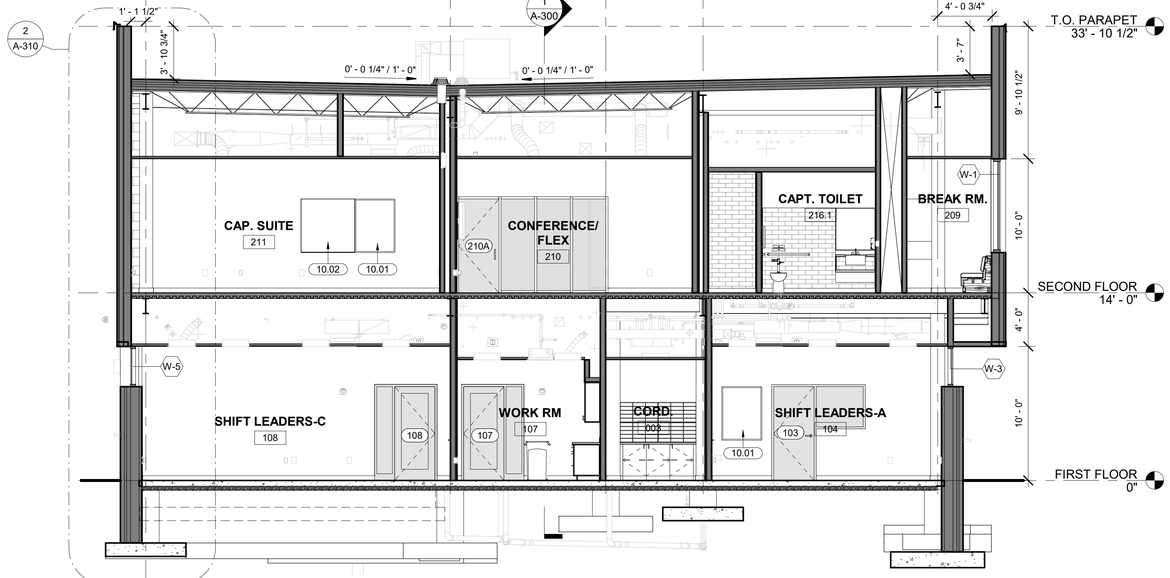
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4610 voice 410-625-4617 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6637 voice 717-845-2448 fax

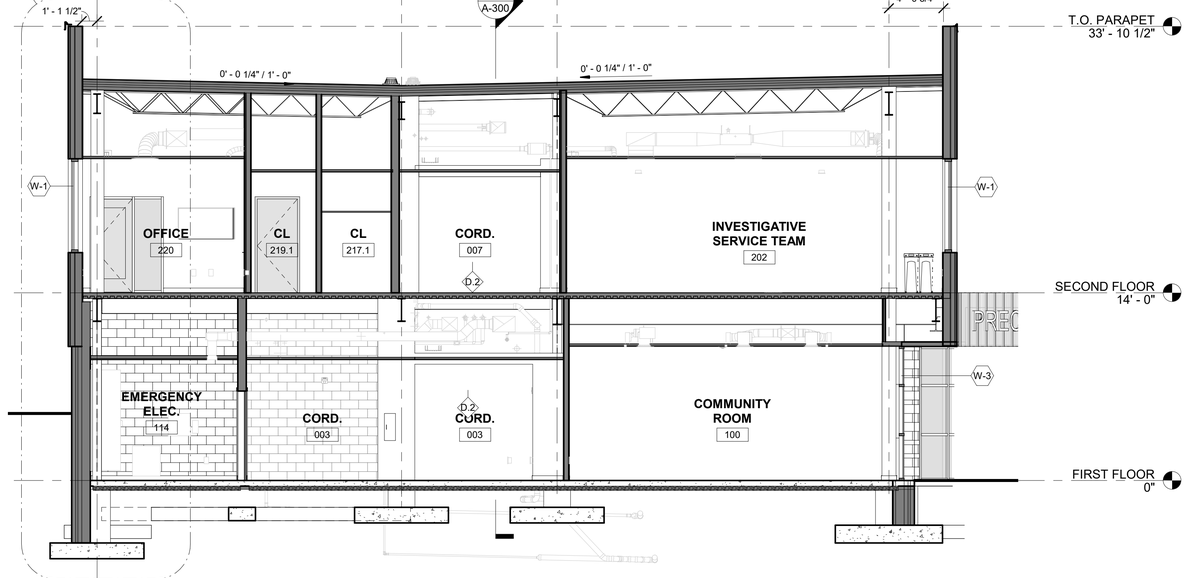
SHEET DESIGNATION	CONTRACT NUMBER
A-209	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 92 OF 302
	DRAWING NUMBER
	2024-1405
	FILE NO.: 8 REV: 03/22



1 LONGITUDINAL SECTION - WING A
3/16" = 1'-0"



2 SECTION 1 - WING A
3/16" = 1'-0"



3 SECTION 2 - WING A
3/16" = 1'-0"

C:\Users\dwg\Documents\2213611 New Wilkens Police Precinct_dwgQZ1N8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:15:38 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	3/16" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

BUILDING SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

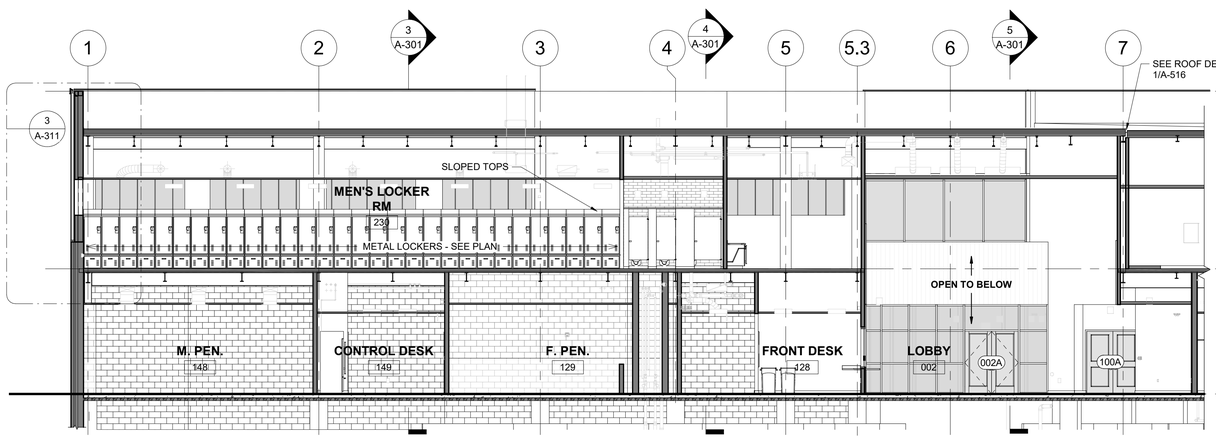
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

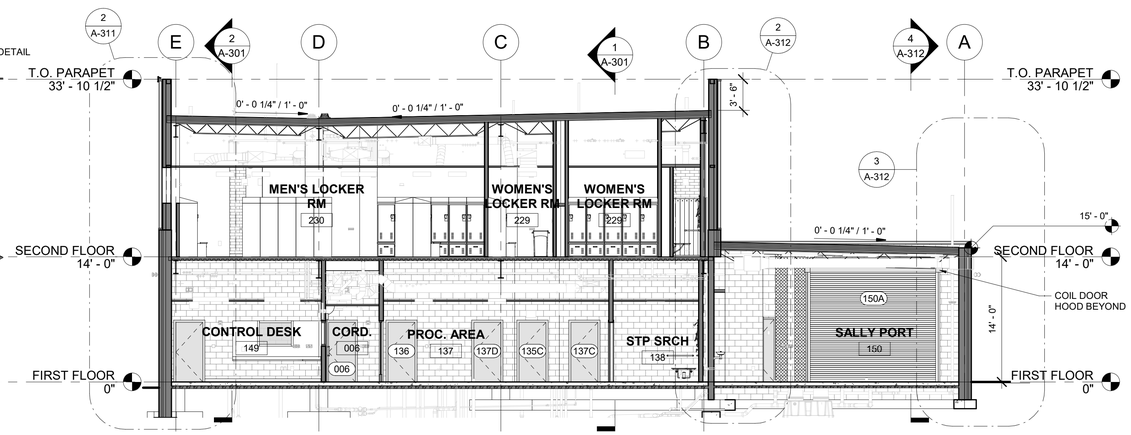
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4433 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-0927 voice 717-845-2468 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-300	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 93 OF 302
	DRAWING NUMBER
	2024-1406
	FILE NO.: 8 REV: 0/0/0

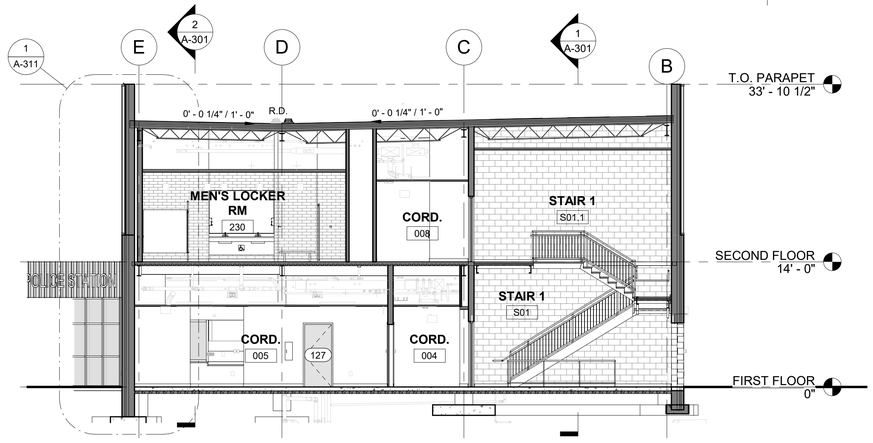
1 LONGITUDINAL SECTION 1 - WING B
1/8" = 1'-0"



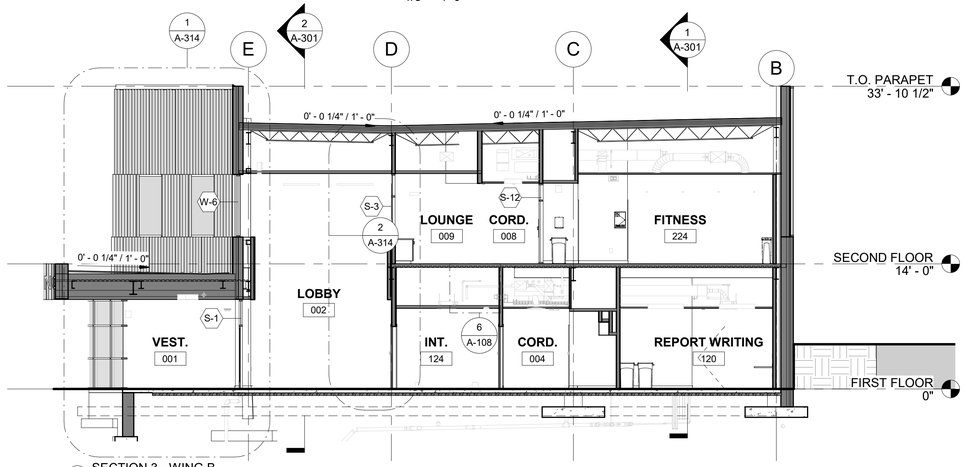
2 LONGITUDINAL SECTION 2 - WING B
1/8" = 1'-0"



3 SECTION 1 - WING B
1/8" = 1'-0"



4 SECTION 2 - WING B
1/8" = 1'-0"



5 SECTION 3 - WING B
1/8" = 1'-0"

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:15:58 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

BUILDING SECTIONS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

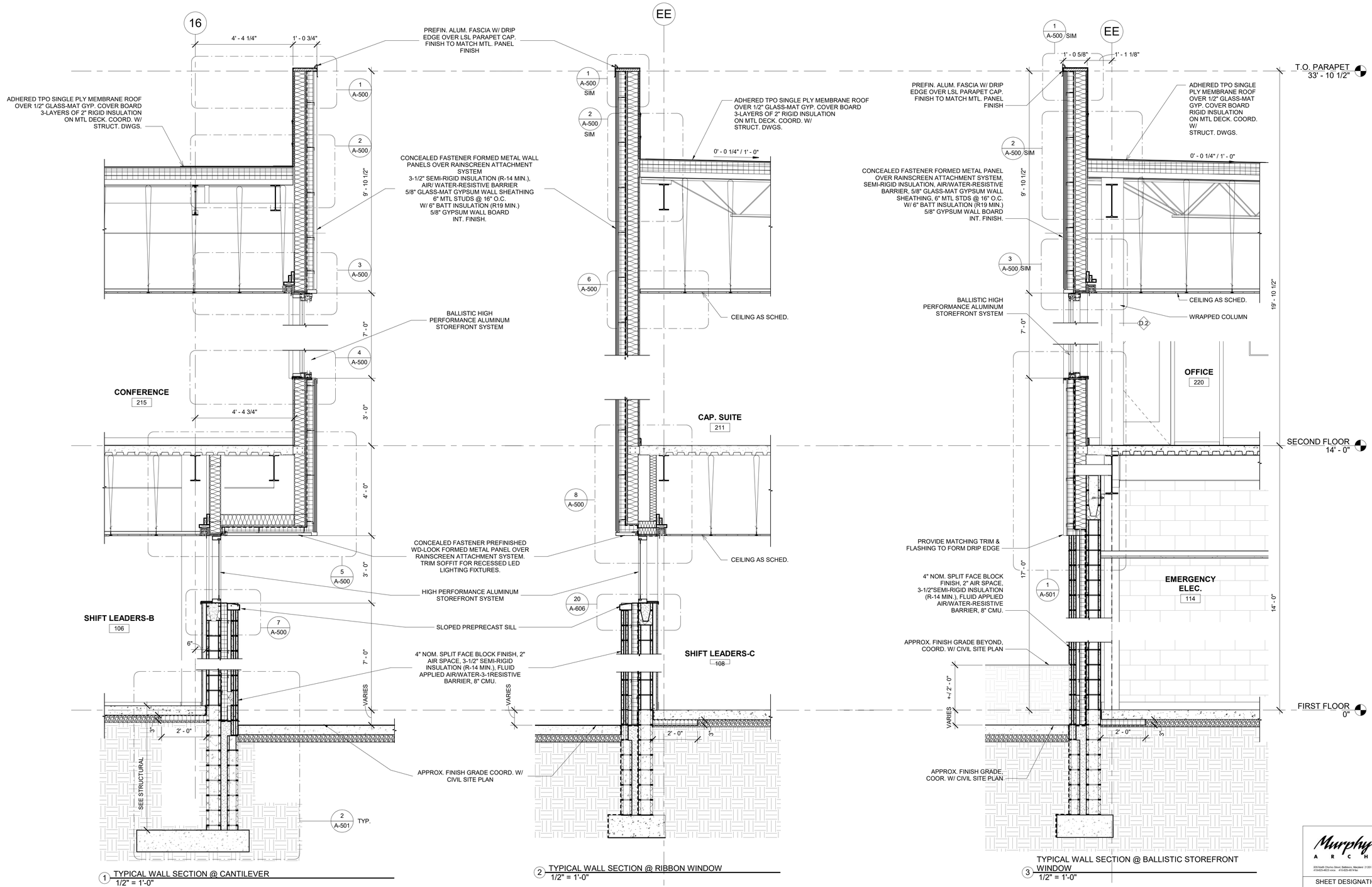
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-3827 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-301	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 94 OF 302
	DRAWING NUMBER
	2024-1407
	FILE NO.: 8 REV. 03/03

BALTIMORE COUNTY MARYLAND



1 TYPICAL WALL SECTION @ CANTILEVER
1/2" = 1'-0"

2 TYPICAL WALL SECTION @ RIBBON WINDOW
1/2" = 1'-0"

3 TYPICAL WALL SECTION @ BALLISTIC STOREFRONT WINDOW
1/2" = 1'-0"

C:\Users\jdiaz\Documents\2213041 New Wilkens Police Precinct_diazQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:15:59 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU
BY:	CHKD BY: RLM
DATE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WALL SECTIONS

NEW BUILDING DESIGN

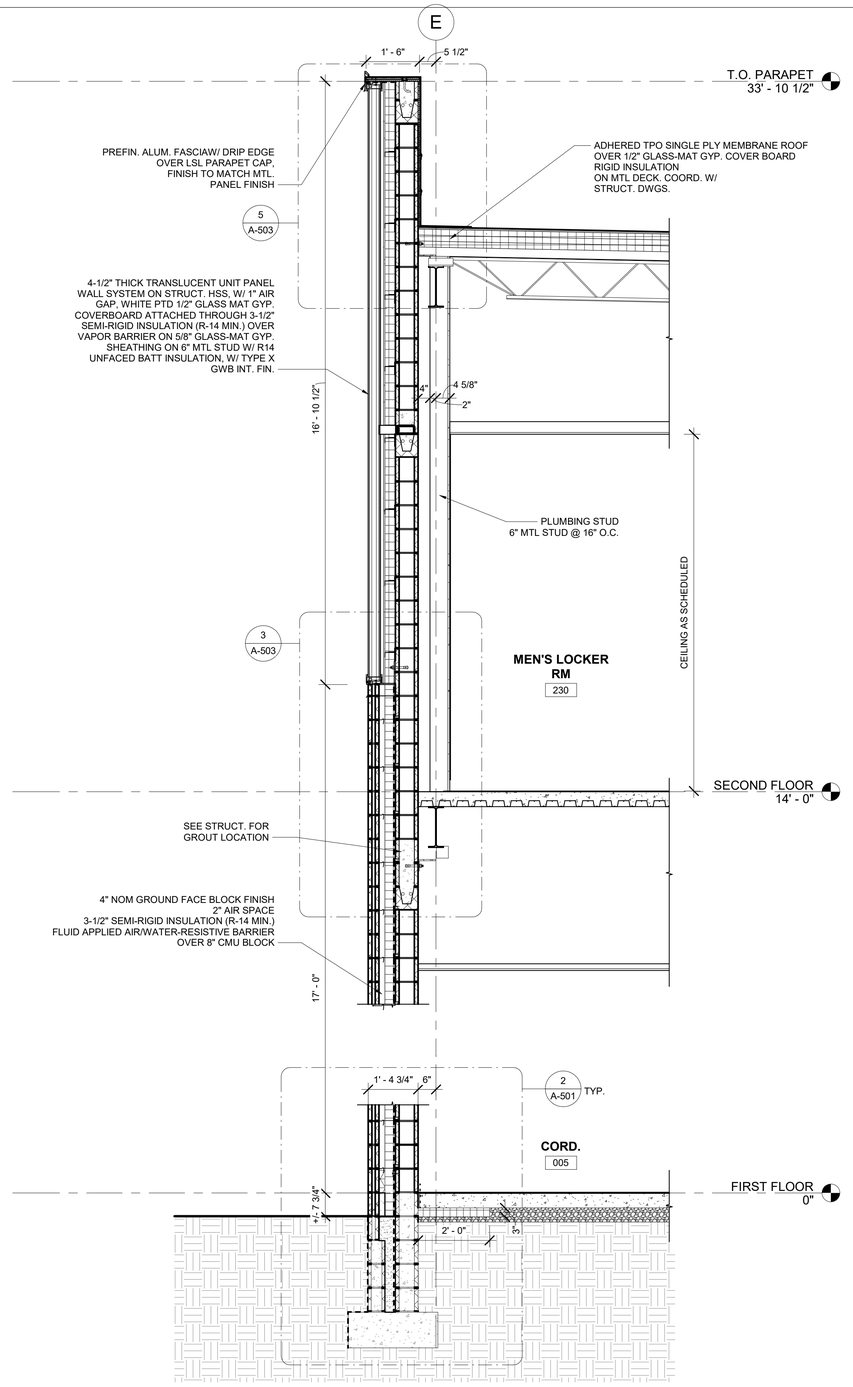
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

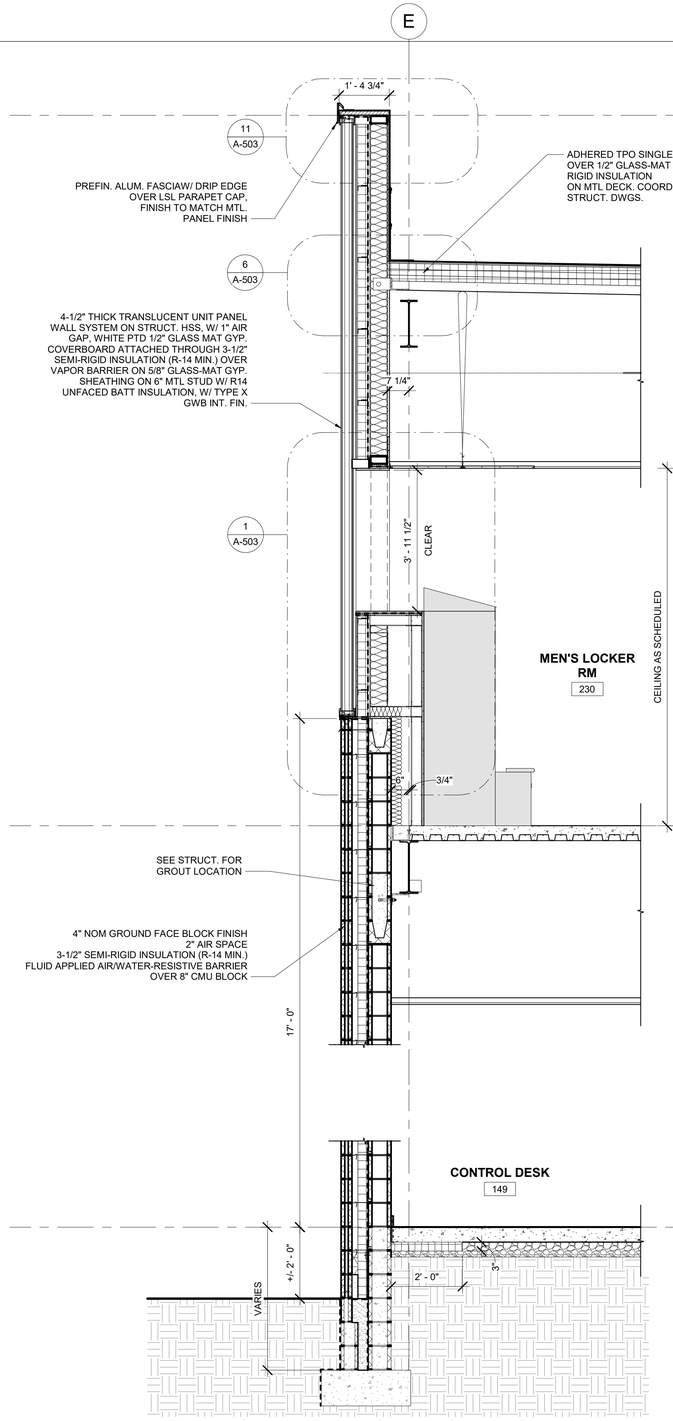
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
3304 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-846-9807 voice 717-840-2486 fax

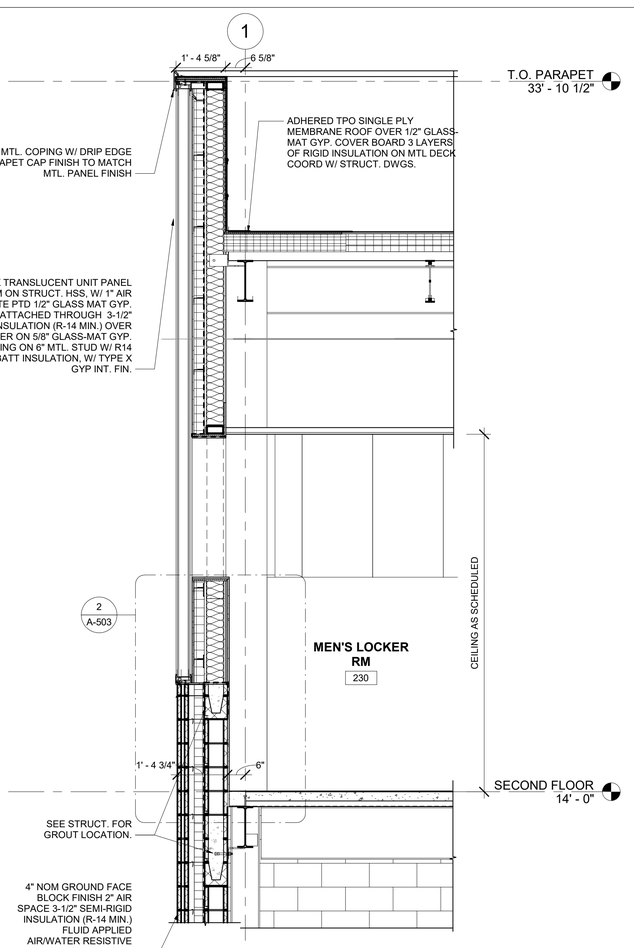
SHEET DESIGNATION	CONTRACT NUMBER
A-310	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 95 OF 302
	DRAWING NUMBER
	2024-1408
	FILE NO.: 8 REV 03/22



TYPICAL WALL SECTION @ TRANSLUCENT UNIT
1 PANEL SYSTEM
1/2" = 1'-0"



TYPICAL WALL SECTION @ TRANSLUCENT UNIT
2 PANEL SYSTEM WALL OPENING
1/2" = 1'-0"



TYPICAL WALL SECTION @ TRANSLUCENT UNIT
3 PANEL SYSTEM WALL OPENING W/ FURRING
1/2" = 1'-0"

C:\Users\jhay\Documents\2213041 New Wilkens Police Precinct_hayJXANS.rvt

Murphy & Dittenhafer ARCHITECTS

306 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax

224 West Market Street, York, Pennsylvania 17401 717-846-9807 voice 717-846-2486 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-311	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 96 OF 302
	DRAWING NUMBER
	2024-1409
	FILE NO.: 8 REV. 03/22

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:16:01 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1/2" = 1'-0"	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:		DATE:
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX								
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: RLM	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WALL SECTIONS

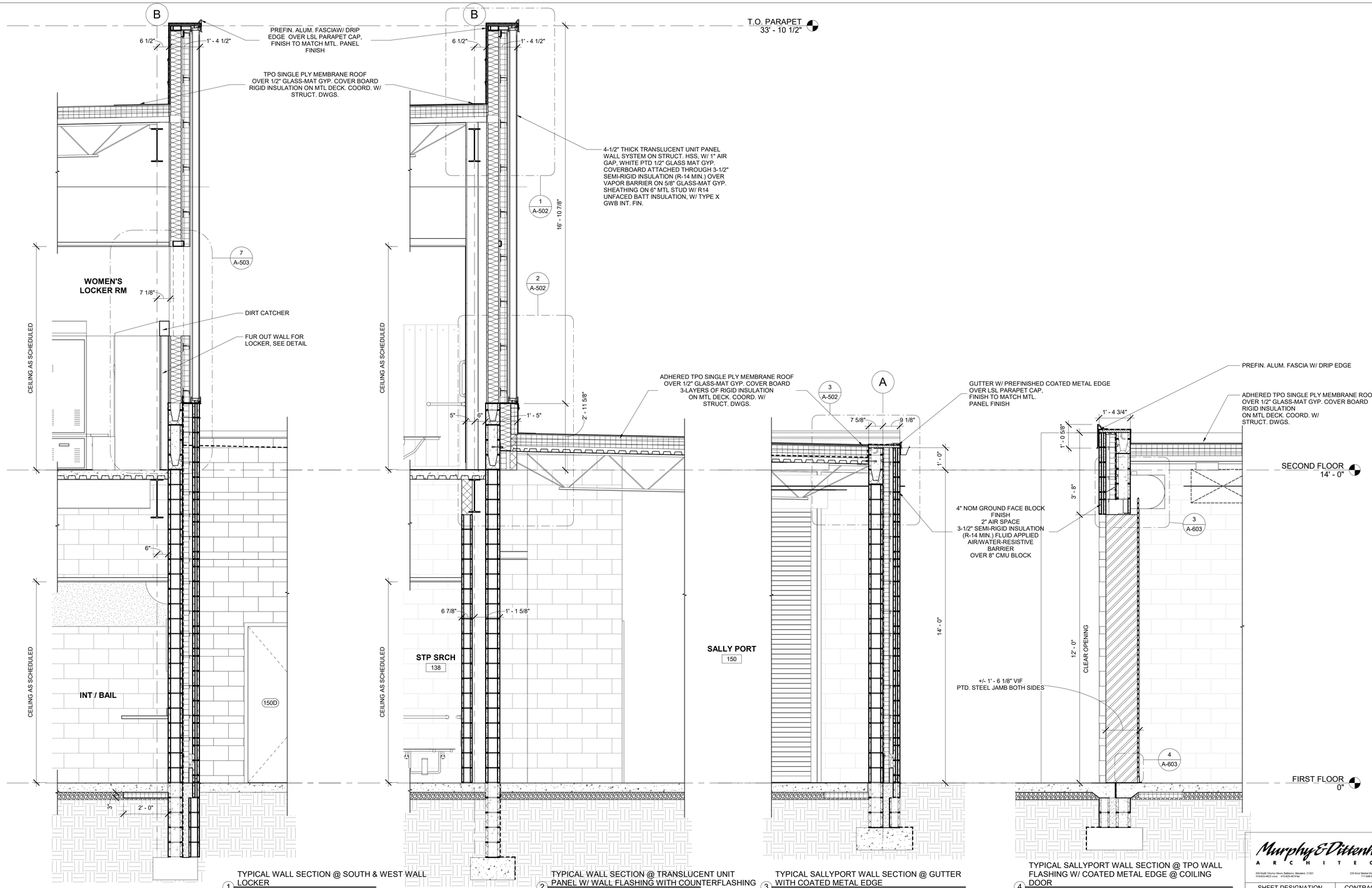
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND



1 TYPICAL WALL SECTION @ SOUTH & WEST WALL LOCKER
1/2" = 1'-0"

2 TYPICAL WALL SECTION @ TRANSLUCENT UNIT PANEL W/ WALL FLASHING WITH COUNTERFLASHING
1/2" = 1'-0"

3 TYPICAL SALLYPORT WALL SECTION @ GUTTER WITH COATED METAL EDGE
1/2" = 1'-0"

4 TYPICAL SALLYPORT WALL SECTION @ TPO WALL FLASHING W/ COATED METAL EDGE @ COILING DOOR
1/2" = 1'-0"

C:\Users\dlng\Documents\22130A1 New Wilkens Police Precinct_dlng(ZJN8.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-0622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-0627 voice 717-845-2448 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:16:02 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

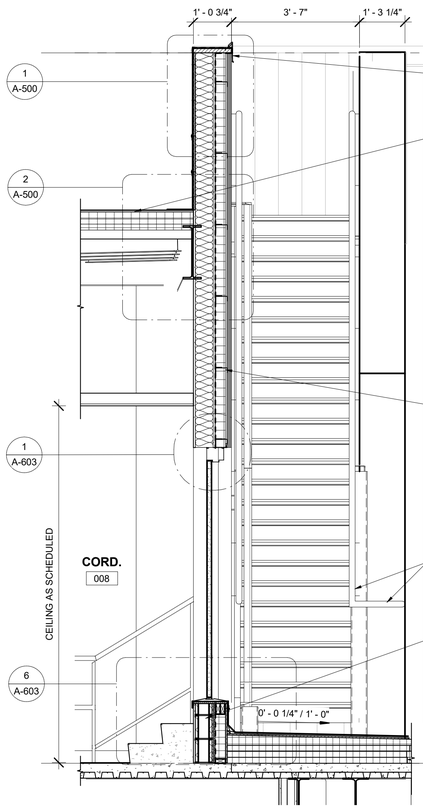
DRAWING SCALE
PLAN SCALE: 1/2" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

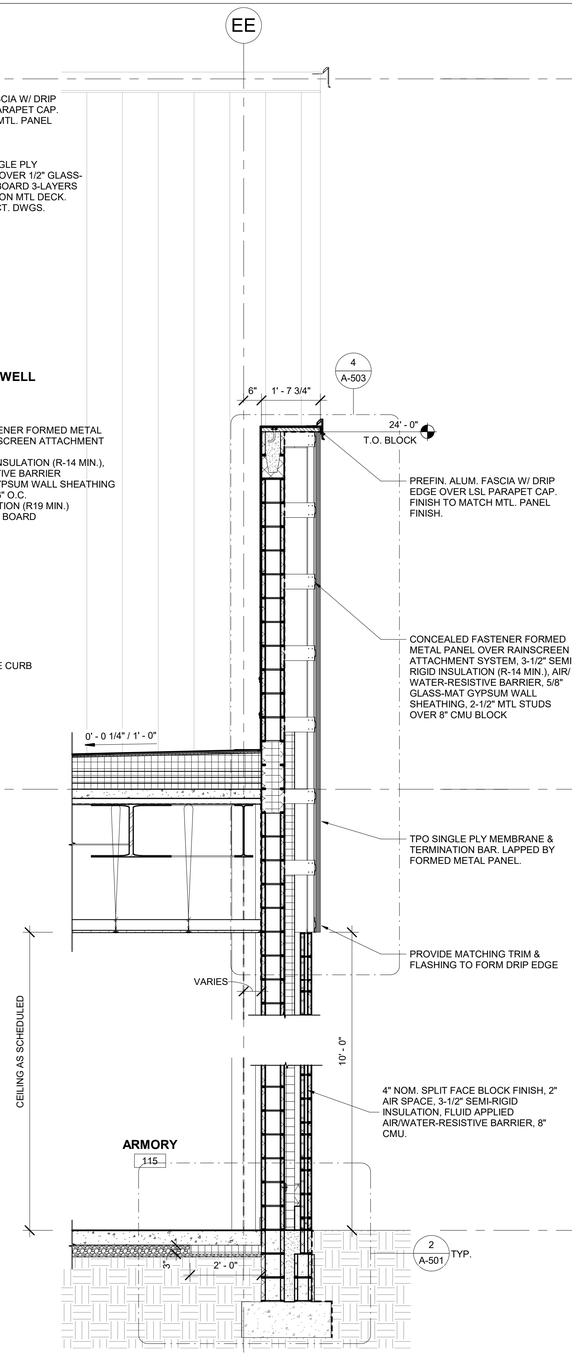
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
WALL SECTIONS
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

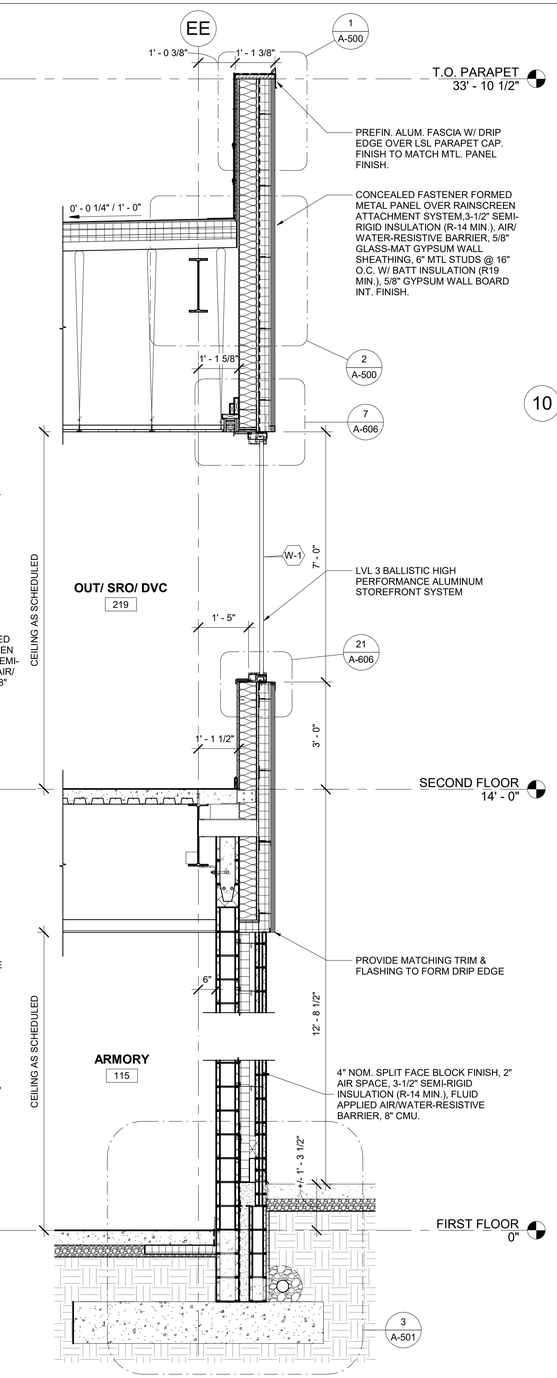
SHEET DESIGNATION	CONTRACT NUMBER
A-312	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 97 OF 302
	DRAWING NUMBER
	2024-1410
	FILE NO.: 8



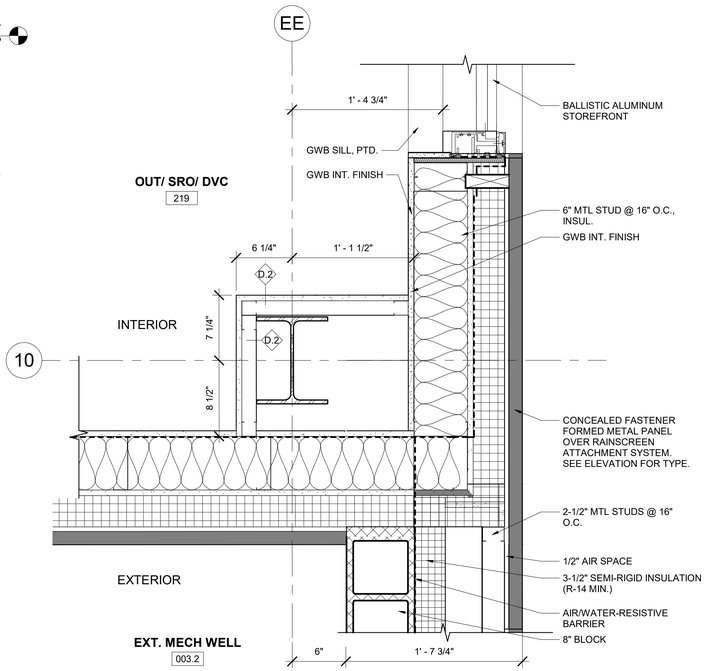
TYPICAL WALL SECTION @ MECHANICAL WELL FORMED METAL PANEL RAINSCREEN ATTACHMENT SYSTEM
1 1/2" = 1'-0"



TYPICAL WALL SECTION @ MECHANICAL WELL FORMED METAL PANEL RAINSCREEN ATTACHMENT SYSTEM OVER CMU BLOCK
2 1/2" = 1'-0"



TYPICAL WALL SECTION, WHERE EXTERIOR GRADE IS ABOVE FINISHED FLOOR
3 1/2" = 1'-0"



TYPICAL PLAN DETAIL @ FORMED METAL PANEL RAINSCREEN ATTACHMENT SYSTEM TRANSITION
4 1 1/2" = 1'-0"

C:\Users\dwg\Documents\2213011 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4620 voice 410-625-4621 fax

226 West Market Street, York, Pennsylvania 17401 717-846-4927 voice 717-843-2468 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-313	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 98 OF 302
	DRAWING NUMBER 2024-1411
	FILE NO.: 8 REV. 03/22

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:16:04 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WALL SECTIONS

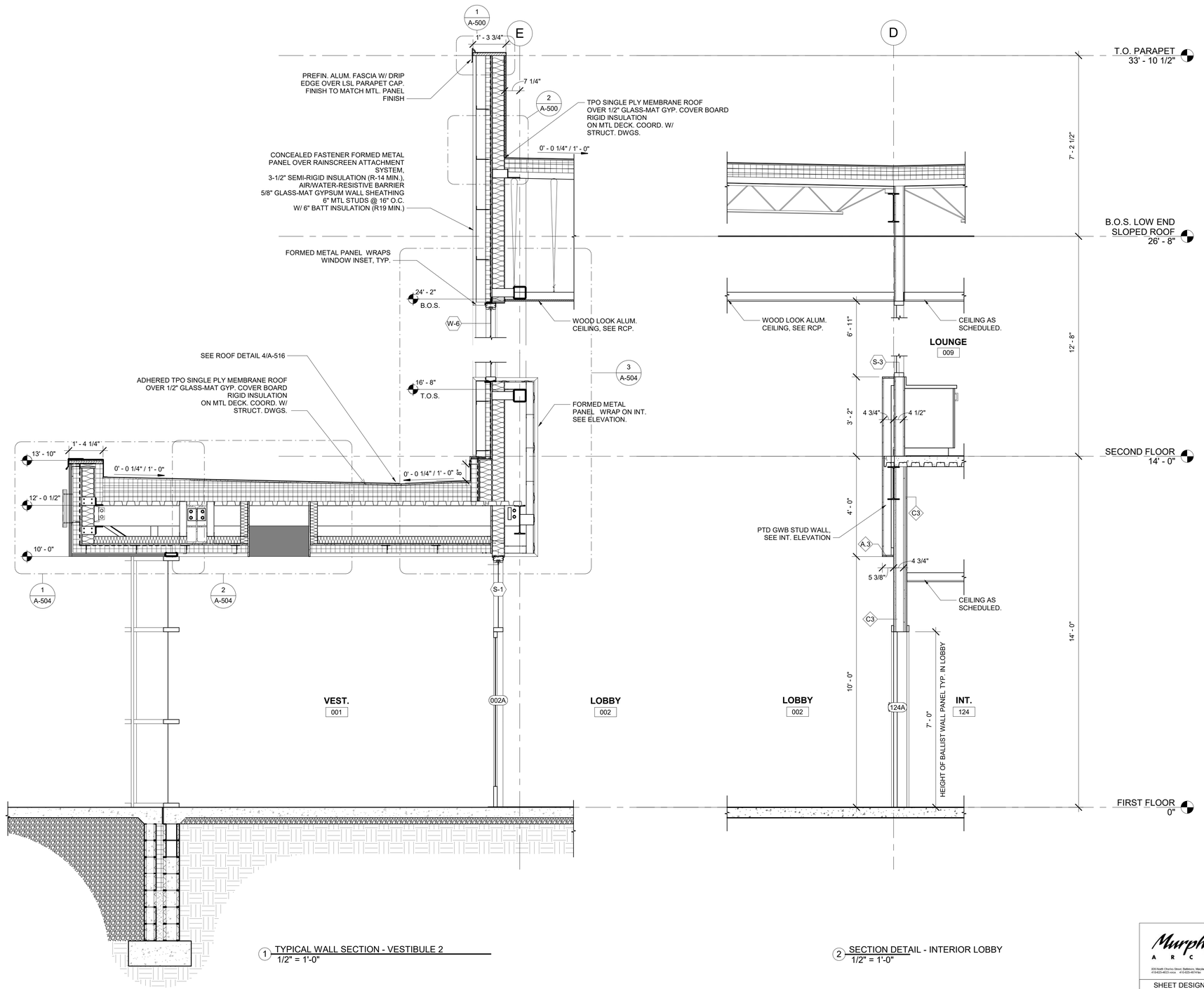
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND



1 TYPICAL WALL SECTION - VESTIBULE 2
1/2" = 1'-0"

2 SECTION DETAIL - INTERIOR LOBBY
1/2" = 1'-0"

C:\Users\jday\Documents\223 9A11 New Wilkens Police Precinct_jdayQZANS8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:16:05 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WALL SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

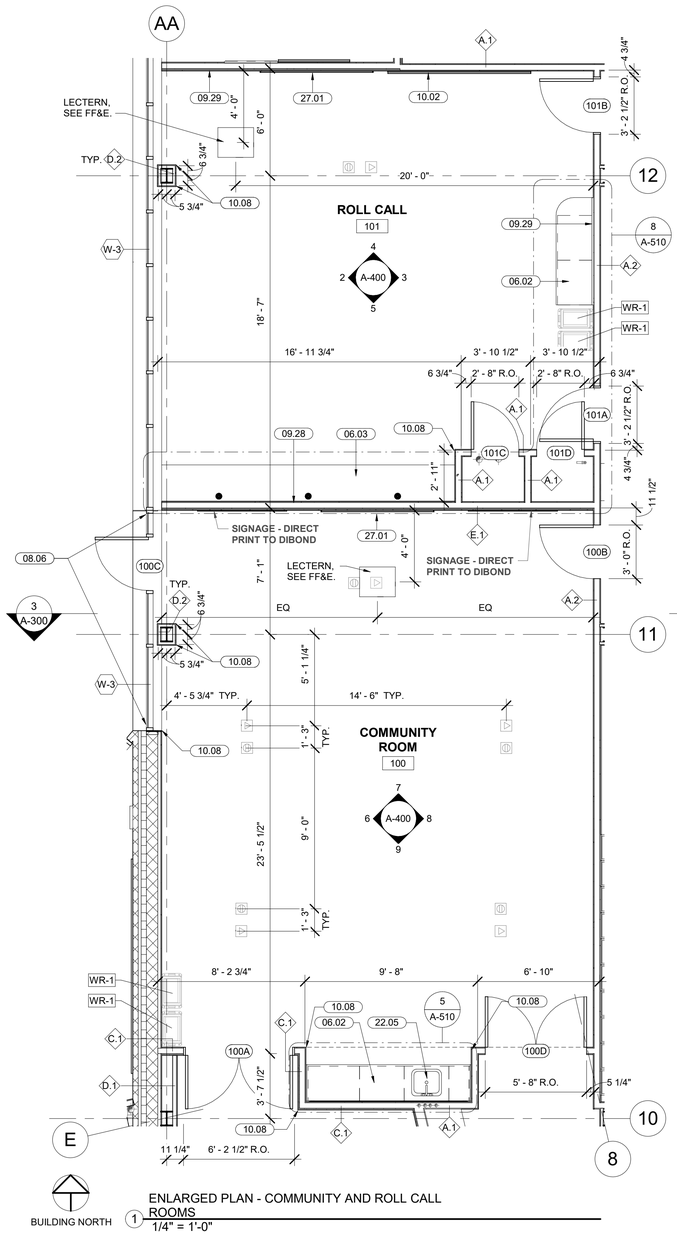
Murphy & Dittenhafer ARCHITECTS

309 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax

228 West Market Street, York, Pennsylvania 17401 717-849-9927 voice 717-840-2488 fax

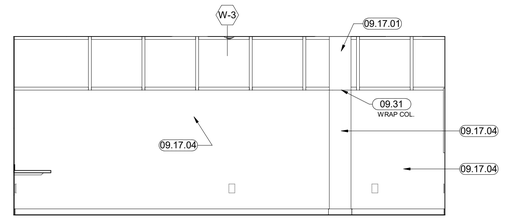
SHEET DESIGNATION	CONTRACT NUMBER
A-314	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 99 OF 302
	DRAWING NUMBER
	2024-1412
	FILE NO.: 8 REV. 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.03	SSM COUNTERTOP w. GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
08.06	LVL. 5 BALLISTIC GLAZING.
09.17.01	PT-1.
09.17.03	PT-3.
09.17.04	PT-4.
09.17.07	PT-7.
09.28	BB-2, TACKABLE WALL COVERING.
09.29	BB-3, TACKABLE WALL COVERING.
09.31	DRYWALL REVEAL MOLDING 1/2" x 1/2" NON VENTED.
09.32	4" RB-1.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.03	PHOTOWALL/COMMUNITY ART, SEE SIGNAGE SHEETS.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
27.01	AV EQUIPMENT, SEE TA DWG'S.

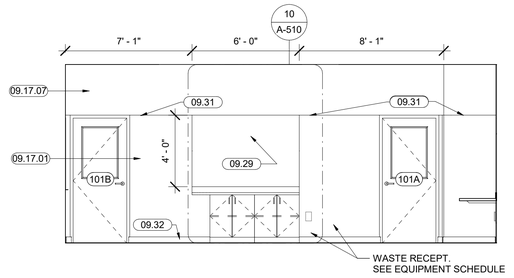


BUILDING NORTH

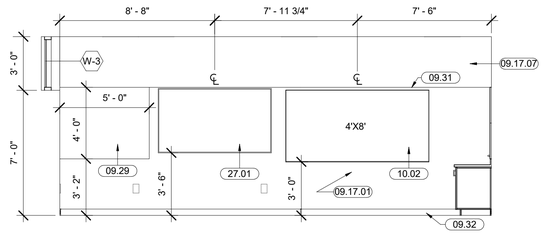
1 ENLARGED PLAN - COMMUNITY AND ROLL CALL ROOMS
1/4" = 1'-0"



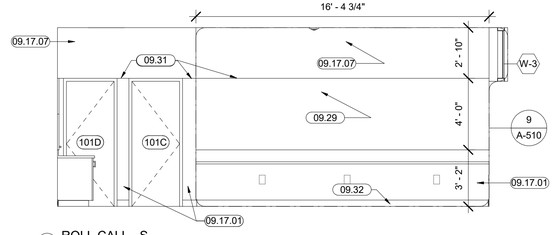
2 ROLL CALL - W
1/4" = 1'-0"



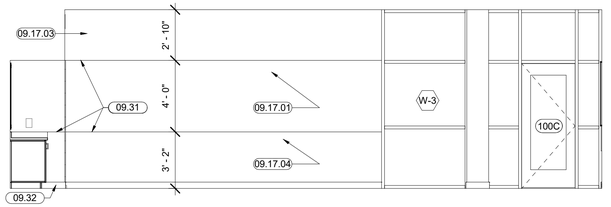
3 ROLL CALL - E
1/4" = 1'-0"



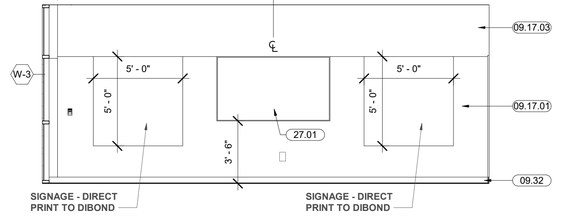
4 ROLL CALL - N
1/4" = 1'-0"



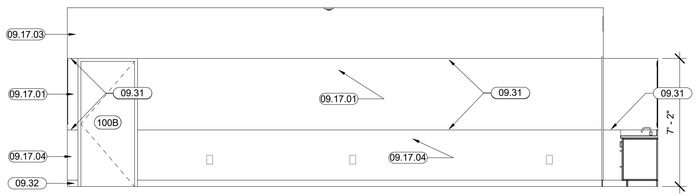
5 ROLL CALL - S
1/4" = 1'-0"



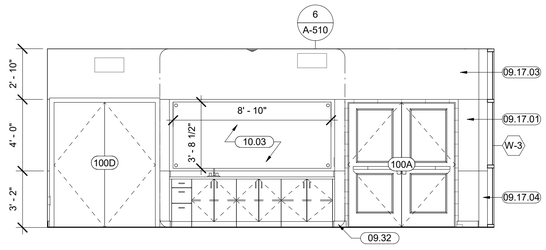
6 COMMUNITY ROOM - W NOTE: PROVIDE LEVEL 5 GWB FINISH
1/4" = 1'-0"



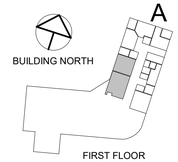
7 COMMUNITY ROOM - N NOTE: PROVIDE LEVEL 5 GWB FINISH
1/4" = 1'-0"



8 COMMUNITY ROOM - E NOTE: PROVIDE LEVEL 5 GWB FINISH
1/4" = 1'-0"



9 COMMUNITY ROOM - S NOTE: PROVIDE LEVEL 5 GWB FINISH
1/4" = 1'-0"



C:\Users\dwp\Documents\2213\0A1 New Wilkens Police Precinct_dwpQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

326 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4634 fax

226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-400	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 100 OF 302
	DRAWING NUMBER
	2024-1413
	FILE NO.: 8 REV: 0000

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A STATE OF MARYLAND FRANK ELWOOD DITTENHAFER II 6/19/2025

DATE : 6/19/2025 1:16:08 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated.

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - COMMUNITY & ROLL CALL

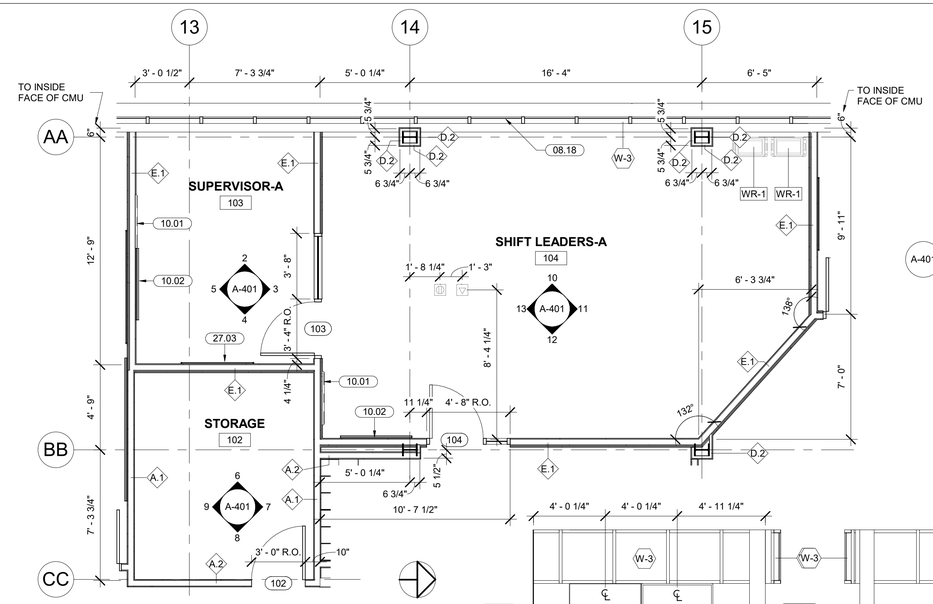
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

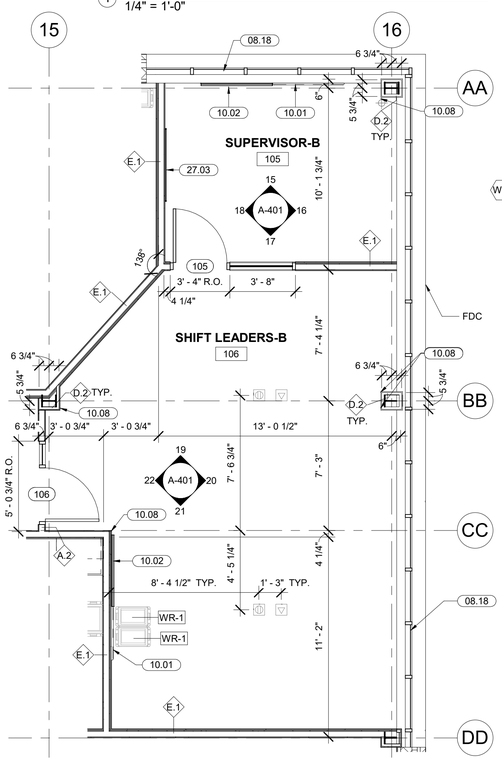
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

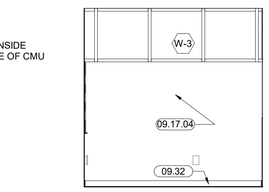
BALTIMORE COUNTY MARYLAND



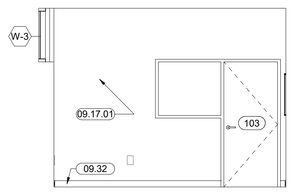
1 ENLARGED PLAN - SHIFT LEADERS A
1/4" = 1'-0"



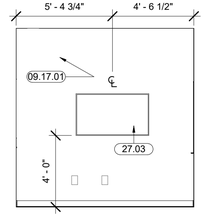
14 ENLARGED PLAN - SHIFT LEADERS B
1/4" = 1'-0"



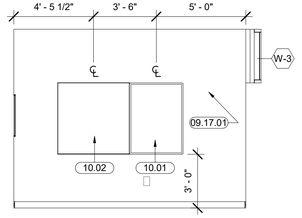
A-401 2 SUPERVISOR RM 103 - W
1/4" = 1'-0"



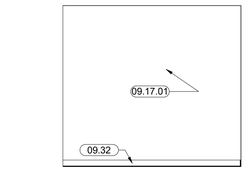
3 SUPERVISOR RM 103 - N
1/4" = 1'-0"



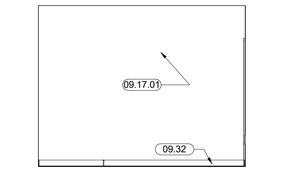
4 SUPERVISOR RM 103 - E
1/4" = 1'-0"



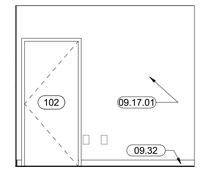
5 SUPERVISOR RM 103 - S
1/4" = 1'-0"



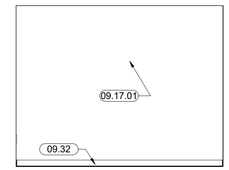
6 STORAGE RM 102 - W
1/4" = 1'-0"



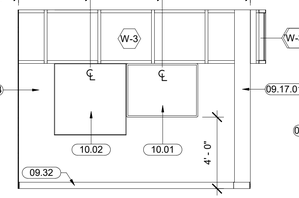
7 STORAGE RM 102 - N
1/4" = 1'-0"



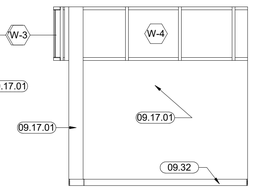
8 STORAGE RM 102 - E
1/4" = 1'-0"



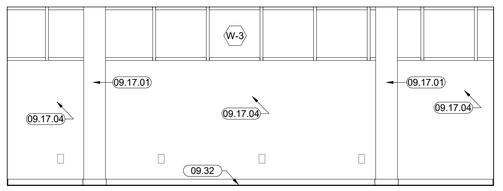
9 STORAGE RM 102 - S
1/4" = 1'-0"



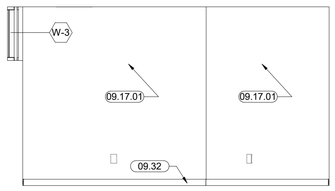
15 SUPERVISOR RM 105 - W
1/4" = 1'-0"



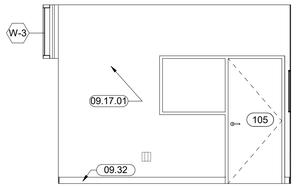
16 SUPERVISOR RM 105 - N
1/4" = 1'-0"



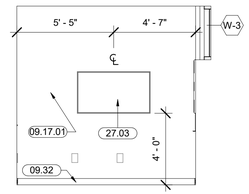
10 SHIFT LEADER RM 104 - W
1/4" = 1'-0"



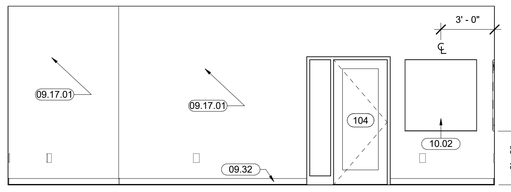
11 SHIFT LEADER RM 104 - N
1/4" = 1'-0"



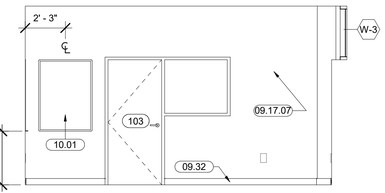
17 SUPERVISOR RM 105 - E
1/4" = 1'-0"



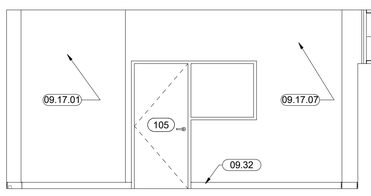
18 SUPERVISOR RM 105 - S
1/4" = 1'-0"



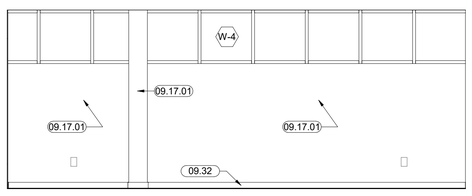
12 SHIFT LEADER RM 104 - E
1/4" = 1'-0"



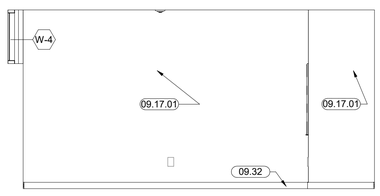
13 SHIFT LEADER RM 104 - S
1/4" = 1'-0"



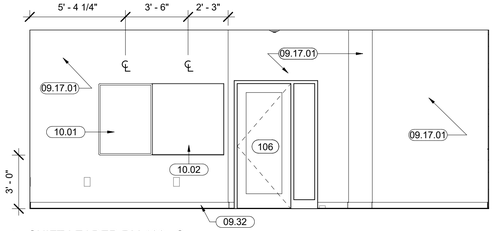
19 SHIFT LEADER RM 106 - W
1/4" = 1'-0"



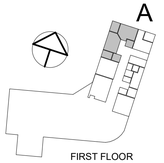
20 SHIFT LEADER RM 106 - N
1/4" = 1'-0"



21 SHIFT LEADER RM 106 - E
1/4" = 1'-0"



22 SHIFT LEADER RM 106 - S
1/4" = 1'-0"



KEYNOTE LEGEND	
TAG	DESCRIPTION
08.18	STOREFRONT 7' A.F.F..
09.17.01	PT-1.
09.17.04	PT-4.
09.17.07	PT-7.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.03	CCTV MONITOR, SEE TA DWG'S.

SEAL

ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER II — 6607-A — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:16:14 PM

PROFESSIONAL CERTIFICATION											
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.											
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027											
ARCHITECT: Frank Elwood Dittenhafer, II											
AS-BUILT PER RECORD PRINT											
BY: DATE:											

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DSN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
DWN BY: DWG/ AWU	REVIEWED BY:								
CHKD BY: RLM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - SHIFT LEADERS A & B

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

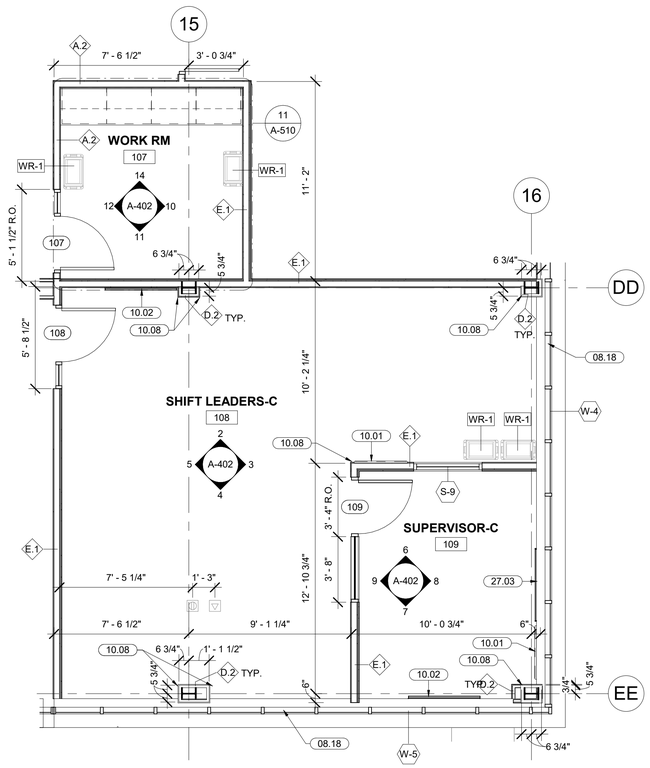
200 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4618 fax

226 West Market Street, York, Pennsylvania 17401 717-845-6627 voice 717-845-2488 fax

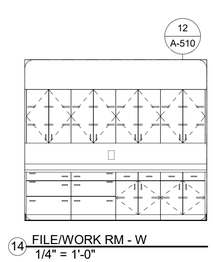
SHEET DESIGNATION	CONTRACT NUMBER
A-401	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 101 OF 302
	DRAWING NUMBER
	2024-1414
	FILE NO.: 8 REV. 03/03

C:\Users\jkeg\Documents\2213031 New Wilkens Police Precinct_dwgQZA1N8.rvt

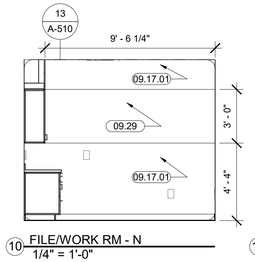
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.18	STOREFRONT 7' A.F.F..
09.17.01	PT-1.
09.17.07	PT-7.
09.29	BB-3, TACKABLE WALL COVERING.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.03	CCTV MONITOR, SEE TA DWG'S.



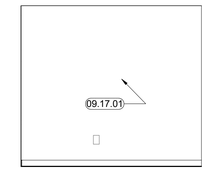
1 ENLARGED PLAN - SHIFT LEADERS C
1/4" = 1'-0"



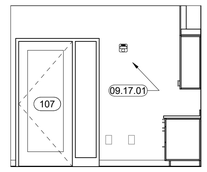
14 FILE/WORK RM - W
1/4" = 1'-0"



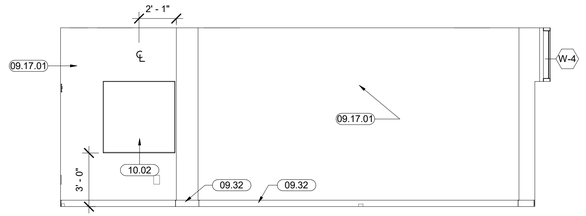
10 FILE/WORK RM - N
1/4" = 1'-0"



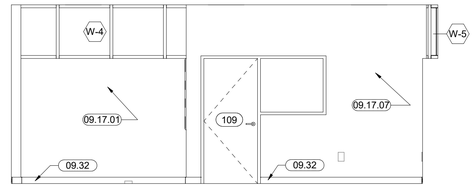
11 FILE/WORK RM-3
1/4" = 1'-0"



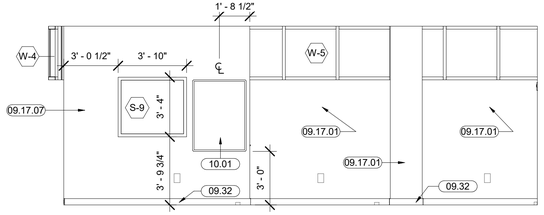
12 FILE/WORK RM-4
1/4" = 1'-0"



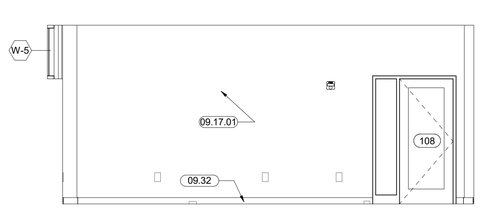
2 SHIFT LEADER RM 108 - W
1/4" = 1'-0"



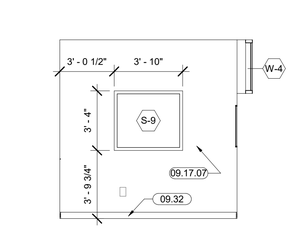
3 SHIFT LEADER RM 108 - N
1/4" = 1'-0"



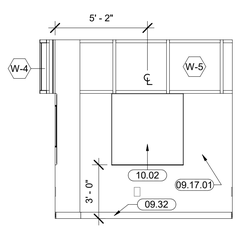
4 SHIFT LEADER RM 108 - E
1/4" = 1'-0"



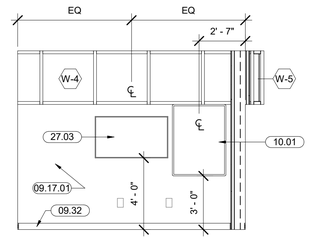
5 SHIFT LEADER RM 108 - S
1/4" = 1'-0"



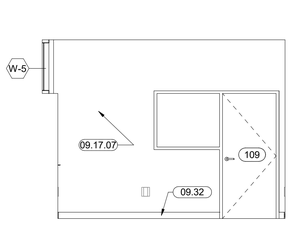
6 SUPERVISOR RM 109 - W
1/4" = 1'-0"



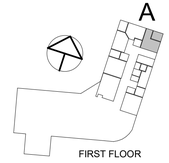
7 SUPERVISOR RM 109 - E
1/4" = 1'-0"



8 SUPERVISOR RM 109 - N
1/4" = 1'-0"



9 SUPERVISOR RM 109 - S
1/4" = 1'-0"



C:\Users\dwp\Documents\2218\01 New Wilkens Police Precinct_dwpQZ2NS.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:

DATE:

DATE : 6/19/2025 1:16:18 PM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: DWG/ AWU	REVIEWED BY:							
CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - SHIFT LEADERS C

NEW BUILDING DESIGN

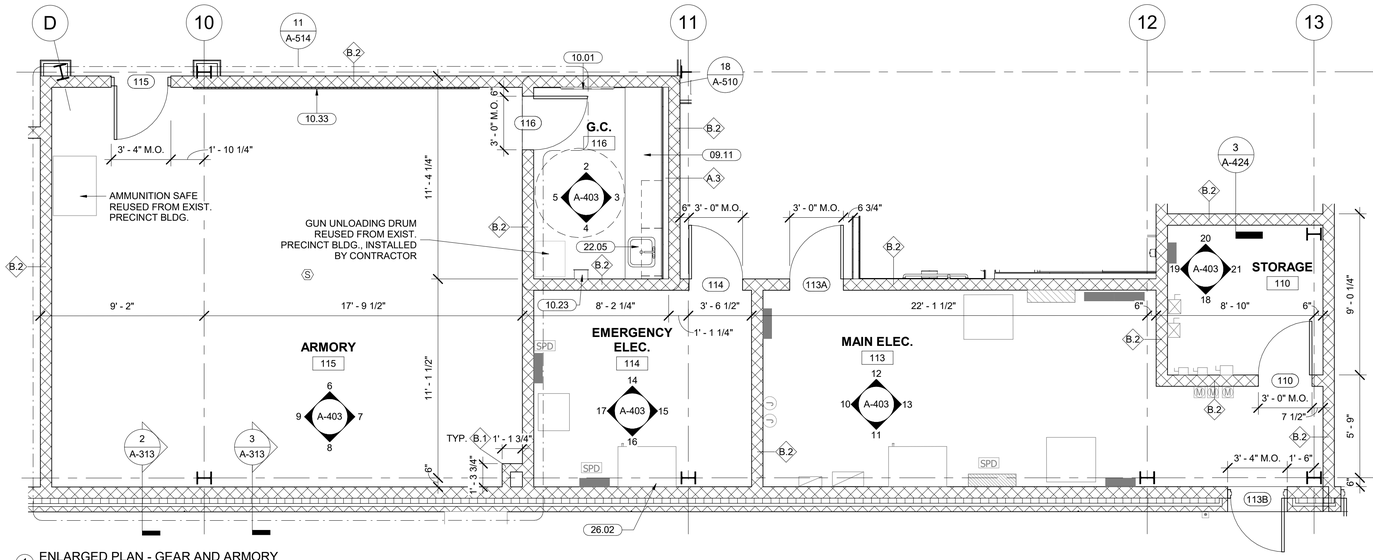
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-402	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 102 OF 302
	DRAWING NUMBER
	2024-1415
	FILE NO.: 8



1 ENLARGED PLAN - GEAR AND ARMORY
1/4" = 1'-0"

BUILDING NORTH

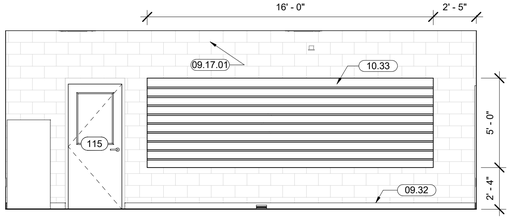
2 GUN CLEANING - W
1/4" = 1'-0"

3 GUN CLEANING - N
1/4" = 1'-0"

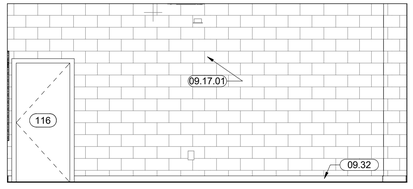
4 GUN CLEANING - E
1/4" = 1'-0"

5 GUN CLEANING - S
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.11	SS-1.
09.17.01	PT-1.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.23	FIRE CAB. FOR SOLVENT STORAGE (NIC).
10.33	HEAVY DUTY SLAT WALL & HOOK ACCESSORIES.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
26.02	FIRE ALARM MAIN CONTROL PANEL.



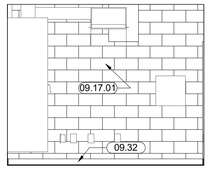
6 ARMORY - W
1/4" = 1'-0"



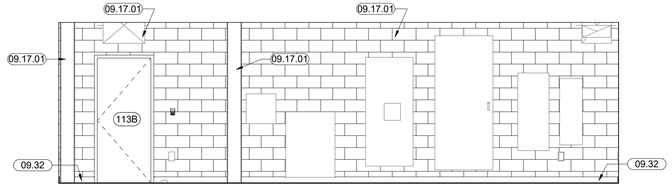
7 ARMORY - N
1/4" = 1'-0"

8 ARMORY - E
1/4" = 1'-0"

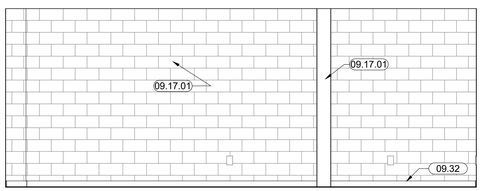
9 ARMORY - S
1/4" = 1'-0"



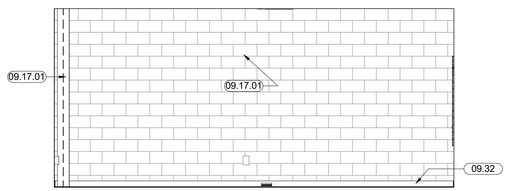
10 MAIN ELECTRIC - S
1/4" = 1'-0"



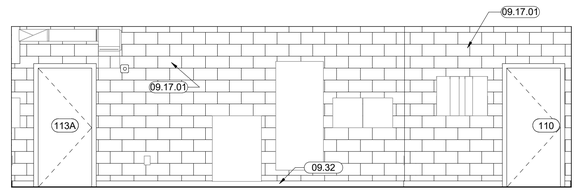
11 MAIN ELECTRIC - E
1/4" = 1'-0"



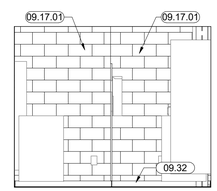
8 ARMORY - E
1/4" = 1'-0"



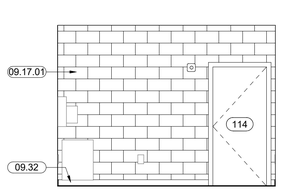
9 ARMORY - S
1/4" = 1'-0"



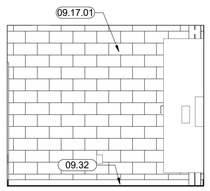
12 MAIN ELECTRIC - W
1/4" = 1'-0"



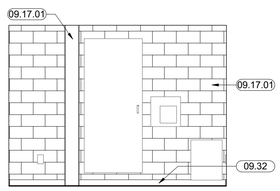
13 MAIN ELECTRIC - N
1/4" = 1'-0"



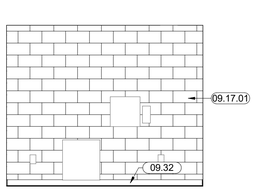
14 EMERGENCY ELEC. - W
1/4" = 1'-0"



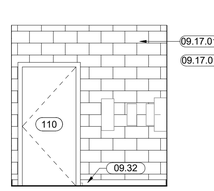
15 EMERGENCY ELEC. - N
1/4" = 1'-0"



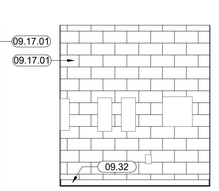
16 EMERGENCY ELEC. - E
1/4" = 1'-0"



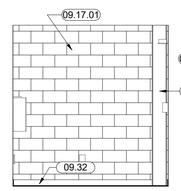
17 EMERGENCY ELEC. - S
1/4" = 1'-0"



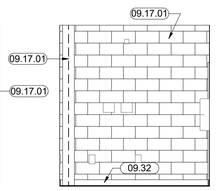
18 STORAGE RM - E
1/4" = 1'-0"



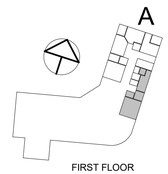
19 STORAGE RM - S
1/4" = 1'-0"



20 STORAGE RM 110 - W
1/4" = 1'-0"



21 STORAGE RM - N
1/4" = 1'-0"



C:\Users\dayg\Documents\223 9\A11 New Wilkens Police Precinct_daygQANS8.rvt

Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4874 fax
228 West Market Street, York, Pennsylvania 17401 717-848-9827 voice 717-840-2488 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE: 6/19/2025 1:16:25 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - ARMORY AND ELECTRICAL ROOMS

NEW BUILDING DESIGN

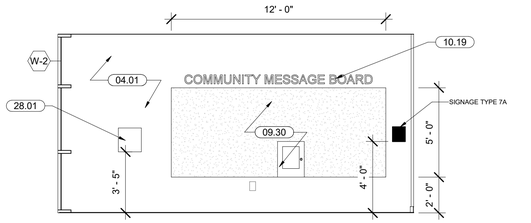
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

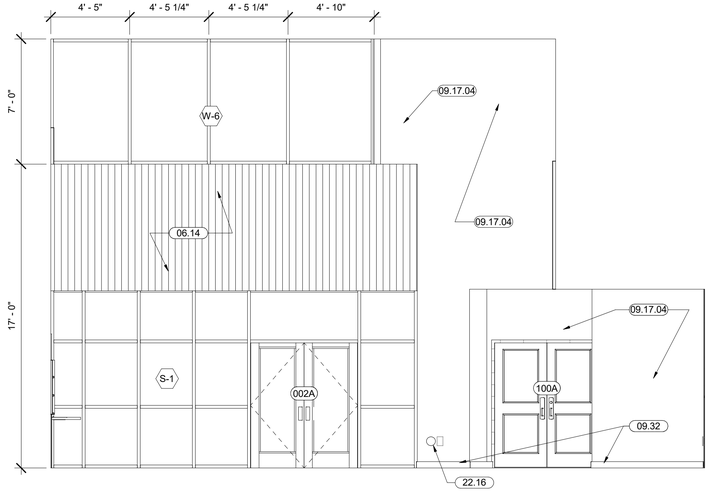
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
A-403	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 103 OF 302
	DRAWING NUMBER
	2024-1416
	FILE NO.: 8 REV. 03/22

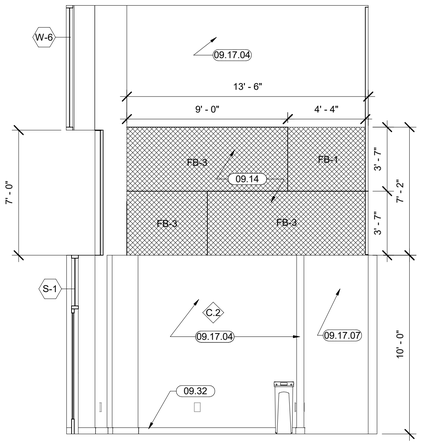


2 VESTIBULE - E - COMMUNITY MESSAGE BOARD
1/4" = 1'-0"



3 LOBBY - N
1/4" = 1'-0"

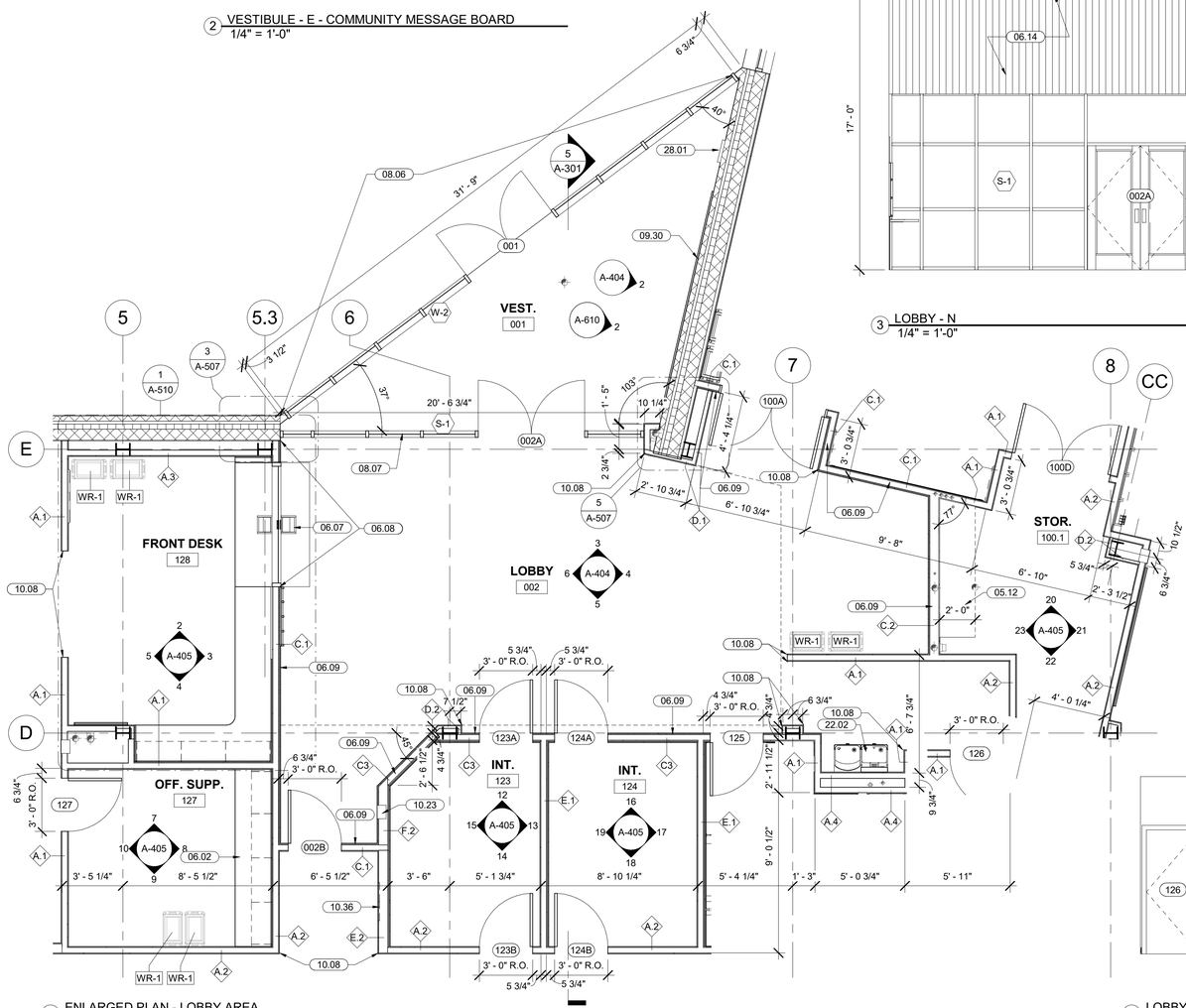
NOTE: PROVIDE LEVEL 5 GWB FINISH



4 LOBBY - E
1/4" = 1'-0"

NOTE: PROVIDE LEVEL 5 GWB FINISH

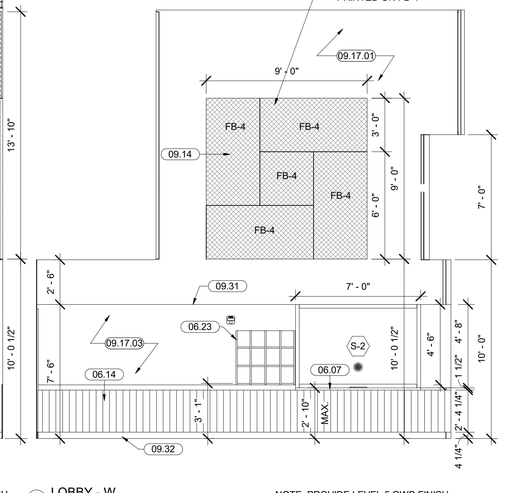
KEYNOTE LEGEND	
TAG	DESCRIPTION
04.01	GROUND FACE BLK.
05.12	WIRE SHELVING (NO ROD).
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.07	SSM COUNTERTOP ON CONCEALED METAL BRACKET W/ LEVEL 3 BALLISTIC RATED TRANSACTION WINDOW, RECESSED COUNTER DEAL TRAY & SPEAKER HOLE.
06.08	LVL 3 KEVLAR PANELS UNDER COUNTER.
06.09	LVL 3 KEVLAR PANELS UP TO 6'.
06.14	WD-1 V-RIB SOLID WD PANELING W/ 1 1/2" x 2" WD CAP, STAINED.
06.23	WOOD AND ACRYLIC BROCHURE DISPLAY.
08.06	LVL. 5 BALLISTIC GLAZING.
08.07	TYP. STOREFRONT GLAZING.
09.14	AWP-2.
09.17.01	PT-1.
09.17.03	PT-3.
09.17.04	PT-4.
09.17.07	PT-7.
09.30	BB-1, TACKABLE WALL COVERING. PROVIDE ALUM TRIM.
09.31	DRYWALL REVEAL MOLDING 1/2" x 1/2" NON VENTED.
09.32	4" RB-1.
10.03	PHOTOWALL/COMMUNITY ART, SEE SIGNAGE SHEETS.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.19	6" CAST ALUM. PIN LETTERING IN BLOCK.
10.23	FIRE CAB. FOR SOLVENT STORAGE (NIC).
10.36	6 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
22.02	DRINKING FOUNTAIN W/BOTTLE FILLER STATION - REFER TO PLUMBING DRAWINGS FOR DTL'S.
22.16	ACCESS CAP. SEE PLUMBING CALL-OUT.
28.01	FIRE ALARM PANEL.



1 ENLARGED PLAN - LOBBY AREA
1/4" = 1'-0"

5 LOBBY - S
1/4" = 1'-0"

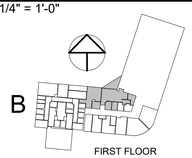
NOTE: PROVIDE LEVEL 5 GWB FINISH



6 LOBBY - W
1/4" = 1'-0"

NOTE: PROVIDE LEVEL 5 GWB FINISH

BUILDING NORTH



FIRST FLOOR

C:\Users\dwg\Documents\2213\01 New Wilkens Police Precinct_dwgQZ3N8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
JAMES WOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:16:29 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE: As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19	PROFILE SCALE:	PROPERTY MANAGER
		CONTRACT COMPLETION BOX					15SW20		DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - LOBBY

NEW BUILDING DESIGN

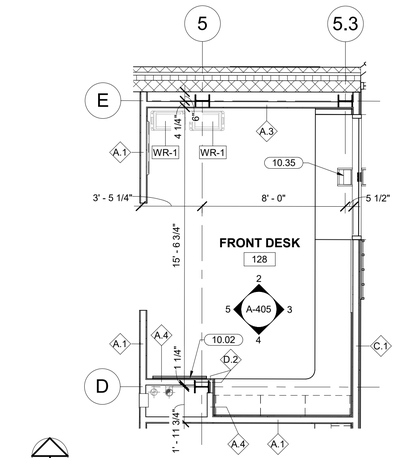
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

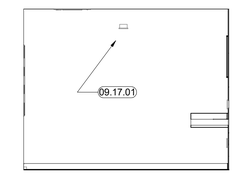
Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-404	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 104 OF 302
	DRAWING NUMBER
	2024-1417
	FILE NO.: 8 REV. 03/03



BUILDING NORTH

1 ENLARGED PLAN - FRONT DESK
1/4" = 1'-0"



2 FRONT DESK - N
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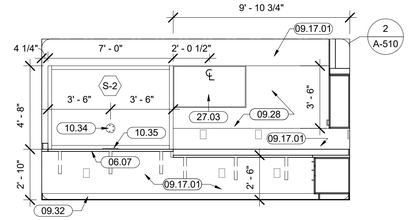
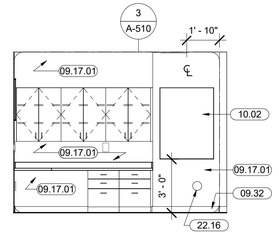
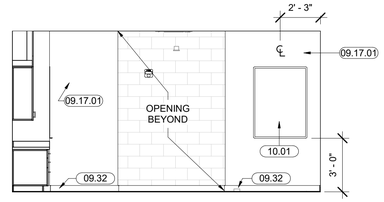


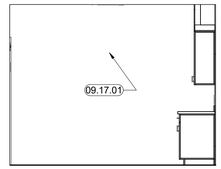
3 FRONT DESK - E
1/4" = 1'-0"



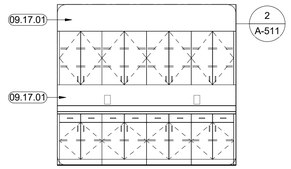
4 FRONT DESK - S
1/4" = 1'-0"



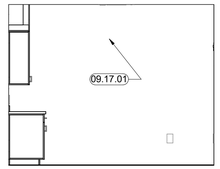
5 FRONT DESK - W
1/4" = 1'-0"



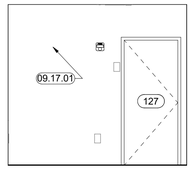
7 OFFICE SUPPLIES A - N
1/4" = 1'-0"



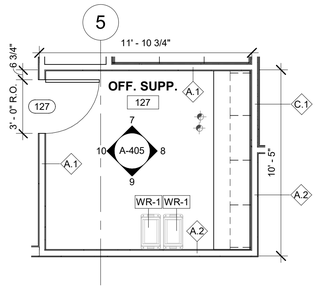
8 OFFICE SUPPLIES A - E
1/4" = 1'-0"



9 OFFICE SUPPLIES A - S
1/4" = 1'-0"

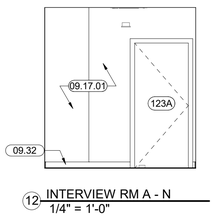


10 OFFICE SUPPLIES A - W
1/4" = 1'-0"

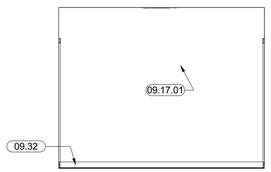


BUILDING NORTH

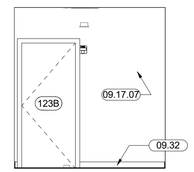
6 ENLARGED PLAN - OFFICE SUPPLIES
1/4" = 1'-0"



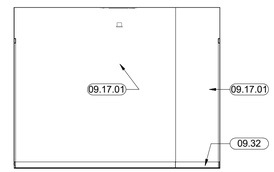
12 INTERVIEW RM A - N
1/4" = 1'-0"



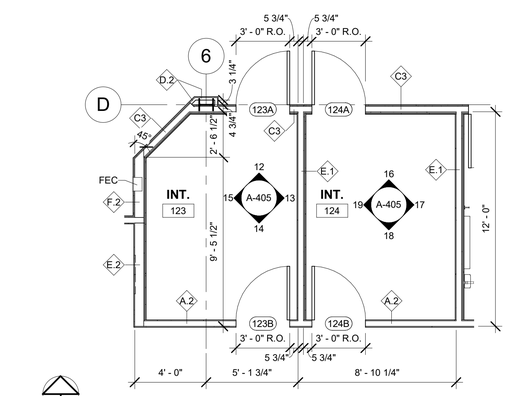
13 INTERVIEW RM A - E
1/4" = 1'-0"



14 INTERVIEW RM A - S
1/4" = 1'-0"

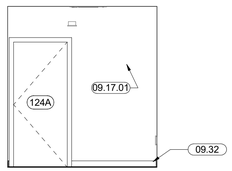


15 INTERVIEW RM A - W
1/4" = 1'-0"

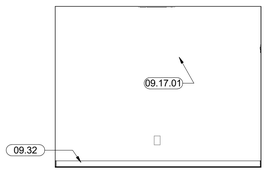


BUILDING NORTH

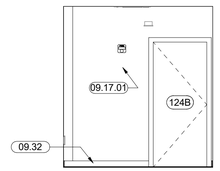
11 ENLARGED PLAN - INTERVIEW ROOMS
1/4" = 1'-0"



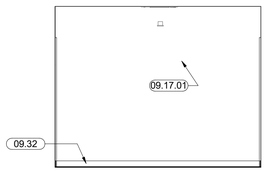
16 INTERVIEW RM B - N
1/4" = 1'-0"



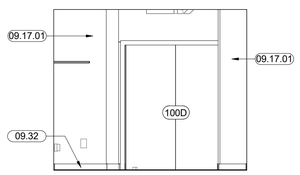
17 INTERVIEW RM B - E
1/4" = 1'-0"



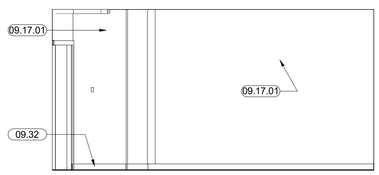
18 INTERVIEW RM B - S
1/4" = 1'-0"



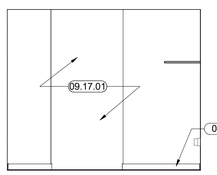
19 INTERVIEW RM B - W
1/4" = 1'-0"



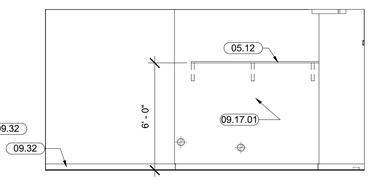
20 FURNITURE STORAGE - N
1/4" = 1'-0"



21 FURNITURE STORAGE - E
1/4" = 1'-0"

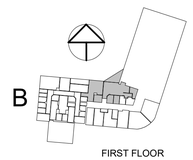


22 FURNITURE STORAGE - S
1/4" = 1'-0"



23 FURNITURE STORAGE - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
05.12	WIRE SHELVING (NO ROD).
06.07	SSM COUNTERTOP ON CONCEALED METAL BRACKET W/ LEVEL 3 BALLISTIC RATED TRANSACTION WINDOW, RECESSED COUNTER DEAL TRAY & SPEAKER HOLE.
09.17.01	PT-1.
09.17.07	PT-7.
09.28	BB-2, TACKABLE WALL COVERING.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.34	SECURE THROUGH GLASS SPEAKER PORT.
10.35	SECURE RECESSED DEAL TRAY IN COUNTER.
22.16	ACCESS CAP. SEE PLUMBING CALL-OUT.
27.03	CCTV MONITOR, SEE TA DWG'S.



C:\Users\dbg\Documents\22130A1 New Wilkens Police Precinct_dbgQZ_CNS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:16:35 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - FRONT DESK & INTERVIEW ROOMS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

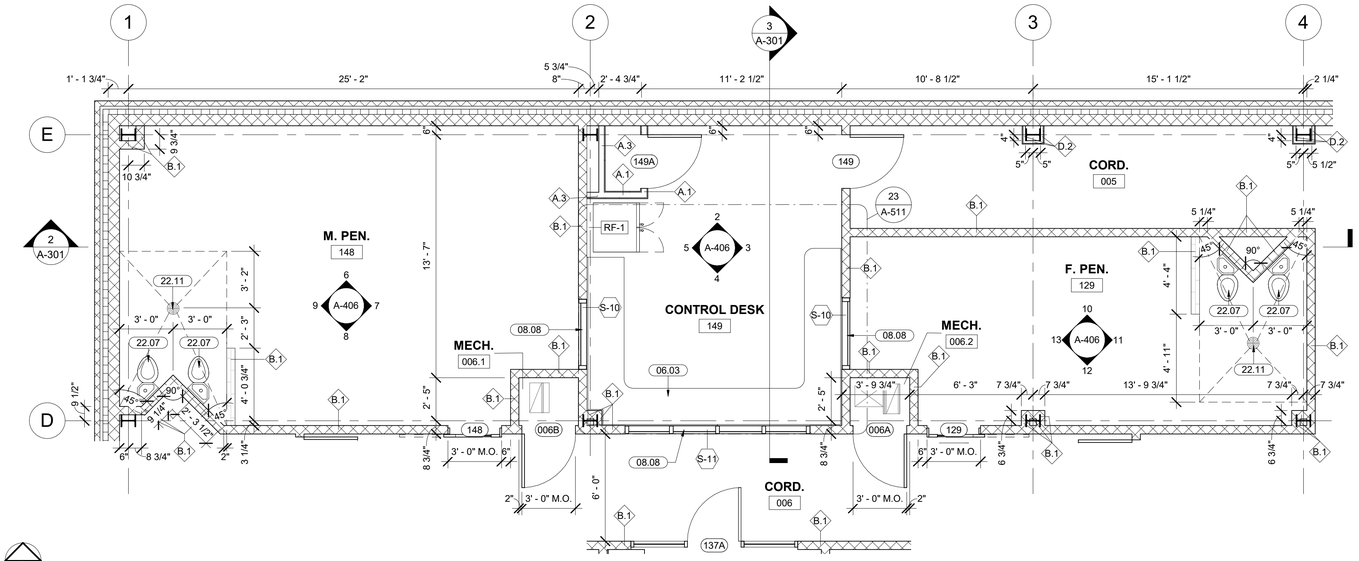
Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4574 fax

226 West Market Street, York, Pennsylvania 17401 717-848-5927 voice 717-845-2488 fax

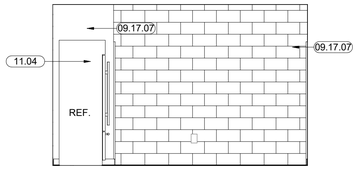
SHEET DESIGNATION	CONTRACT NUMBER
A-405	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 105 OF 302
	DRAWING NUMBER
	2024-1418
	FILE NO.: 8 REV: 03/03

KEYNOTE LEGEND	
TAG	DESCRIPTION
04.04	40" TALL CMU PRIVACY WALL TOP GROUTED ROUND.
06.03	SSM COUNTERTOP w. GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
08.08	LVL 3 ALUM. STOREFRONT WINDOWS.
09.12	PLAM-1.
09.17.01	PT-1.
09.17.05	PT-5.
09.17.07	PT-7.
09.28	BB-2, TACKABLE WALL COVERING.
11.04	REF. WITH ICE MAKER.
22.07	TLT. & SINK COMBO.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.

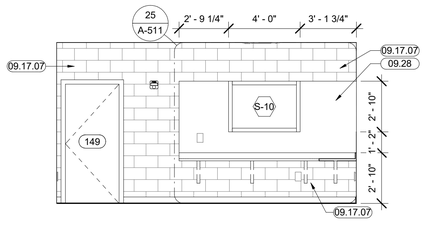


BUILDING NORTH

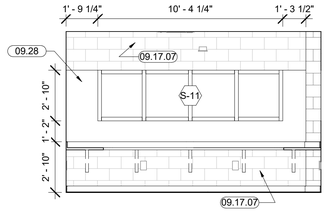
1 ENLARGED PLAN - CONTROL DESK
1/4" = 1'-0"



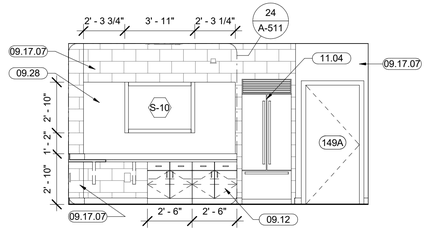
2 CONTROL DESK - N
1/4" = 1'-0"



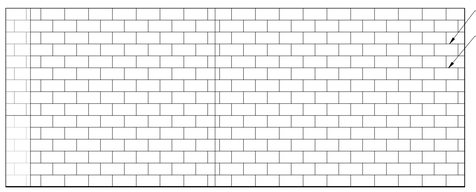
3 CONTROL DESK - E
1/4" = 1'-0"



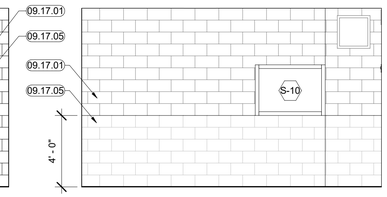
4 CONTROL DESK - S
1/4" = 1'-0"



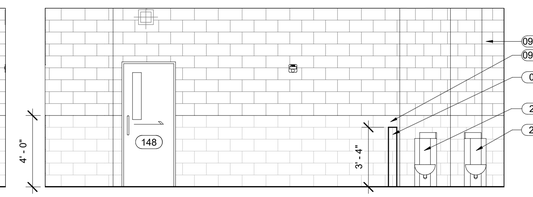
5 CONTROL DESK - W
1/4" = 1'-0"



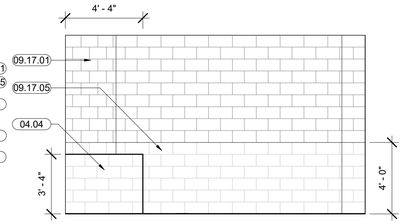
6 MALE PEN - N
1/4" = 1'-0"



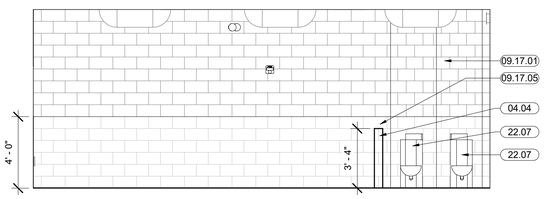
7 MALE PEN - E
1/4" = 1'-0"



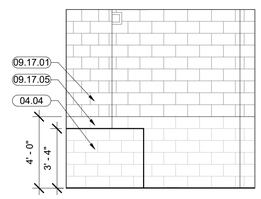
8 MALE PEN - S
1/4" = 1'-0"



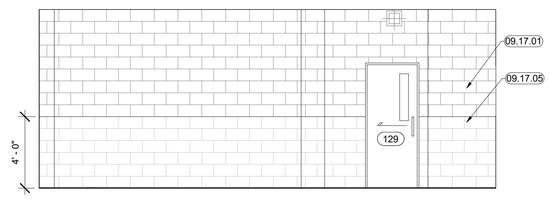
9 MALE PEN - W
1/4" = 1'-0"



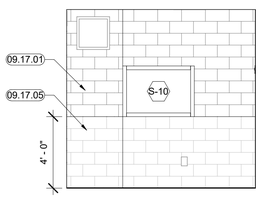
10 FEM. PEN - N
1/4" = 1'-0"



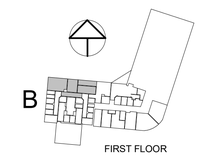
11 FEM. PEN - E
1/4" = 1'-0"



12 FEM. PEN - S
1/4" = 1'-0"



13 FEM. PEN - W
1/4" = 1'-0"



FIRST FLOOR

C:\Users\dbag\Documents\22130A1 New Wilkens Police Precinct_dbagQZ_NS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:16:39 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - CONTROL & BULL PENS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

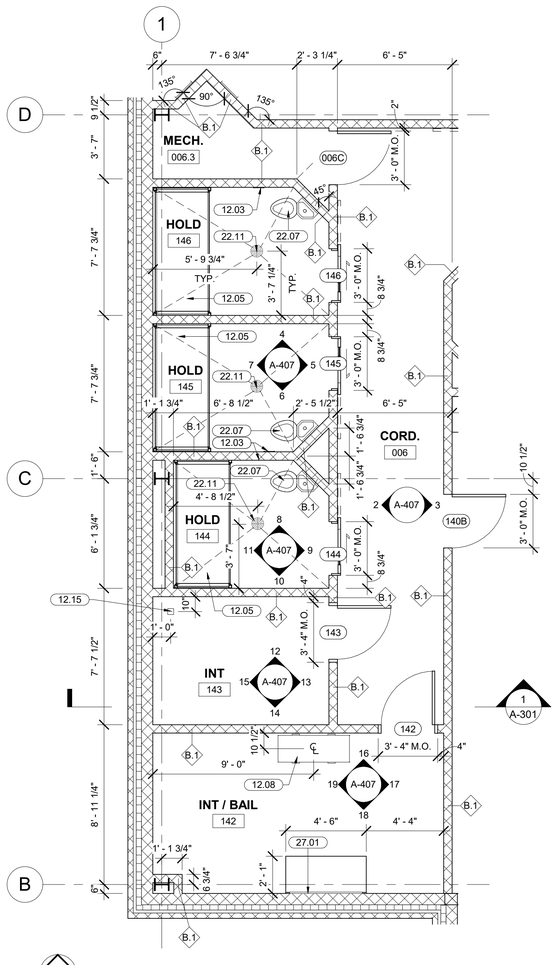
Murphy & Dittenhafer ARCHITECTS
839 North Charles Street, Baltimore, Maryland 21201 410-625-4433 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-0927 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-406	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 106 OF 302
	DRAWING NUMBER
	2024-1419
	FILE NO.: 8

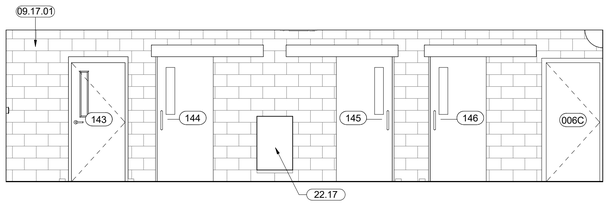
BALTIMORE COUNTY MARYLAND

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.11	SS-1.
09.14	AWP-2.
09.17.01	PT-1.
09.17.02	PT-2.
09.17.05	PT-5.
12.03	TLT. PAPER HOLDER ANTI-LIGATURE (WALL RECESSED). REFER TO ELEVATIONS FOR MOUNTING HEIGHTS.
12.05	FIXED S.S. BENCH WITH CUFF BARS.
12.08	DETENTION-GRADECUFF BENCH.
12.15	DETENTION-GRADE 6X6" STAINLESS STEEL HAND CUFF RING BOLTED IN FLOOR.
22.07	TLT. & SINK COMBO.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.17	ACCESS PANEL. SEE PLUMBING CALL-OUT.
27.01	AV EQUIPMENT, SEE TA DWG'S.

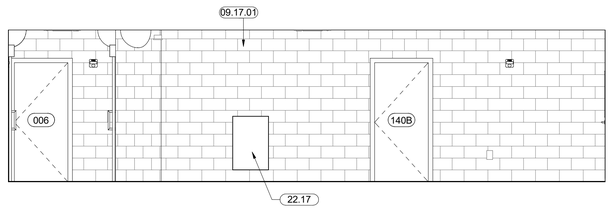
NOTE: SEE A-620 FOR DETENTION EQUIPMENT & FIXTURES



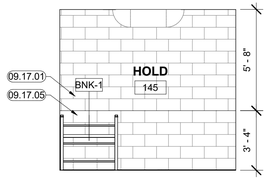
1 ENLARGED PLAN - PROCESSING AREA
1/4" = 1'-0"



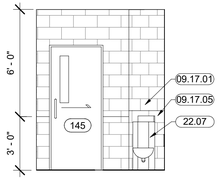
2 HOLDING CORRIDOR A - W
1/4" = 1'-0"



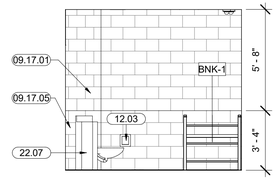
3 HOLDING CORRIDOR A - E
1/4" = 1'-0"



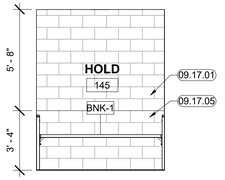
4 M HLD A - N
1/4" = 1'-0"



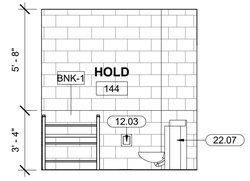
5 M HLD A - E
1/4" = 1'-0"



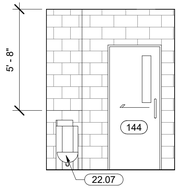
6 M HLD A - E..
1/4" = 1'-0"



7 M HLD A - W
1/4" = 1'-0"



8 M HLD B - N
1/4" = 1'-0"



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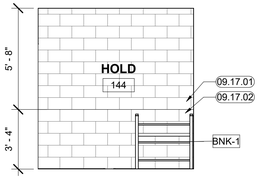
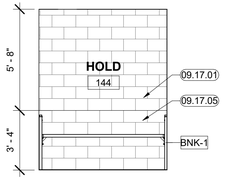
1/4" = 1'-0"



10 M HLD B - S
1/4" = 1'-0"



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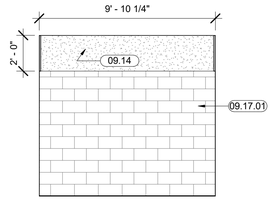
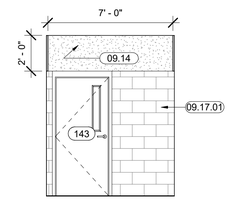
1/4" = 1'-0"



12 M INTERVIEW A - N
1/4" = 1'-0"



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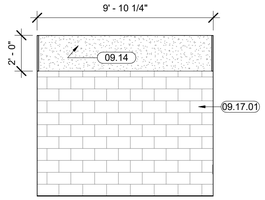
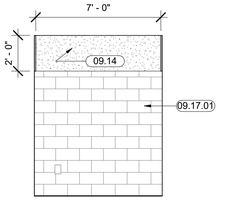
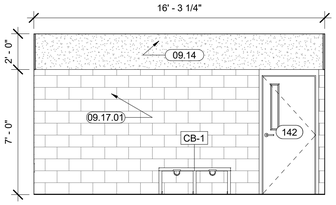


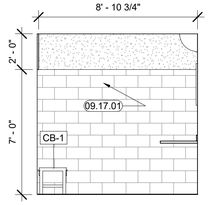
14 M INTERVIEW A - S
1/4" = 1'-0"



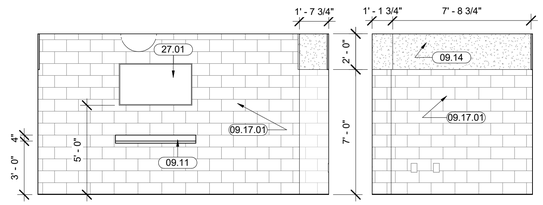
15 M INTERVIEW A - W
1/4" = 1'-0"



16 M INTERVIEW B - N
1/4" = 1'-0"

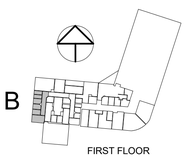


17 M INTERVIEW B - E
1/4" = 1'-0"



18 M INTERVIEW B - S
1/4" = 1'-0"

19 M INTERVIEW B - W
1/4" = 1'-0"



C:\Users\dwg\Documents\2213X1 New Wilkens Police Precinct_dwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-3827 voice 717-845-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A ELWOOD DITTENHAFER STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:16:46 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027
ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR- MALE HOLDING & INTERVIEW ROOMS

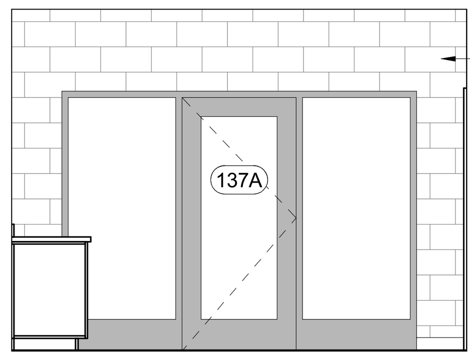
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

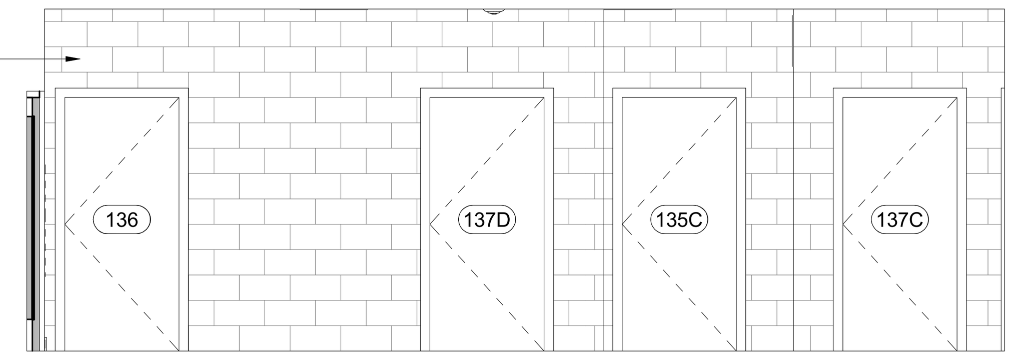
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-407	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 107 OF 302
	DRAWING NUMBER
	2024-1420
	FILE NO.: 8 REV. 03/03

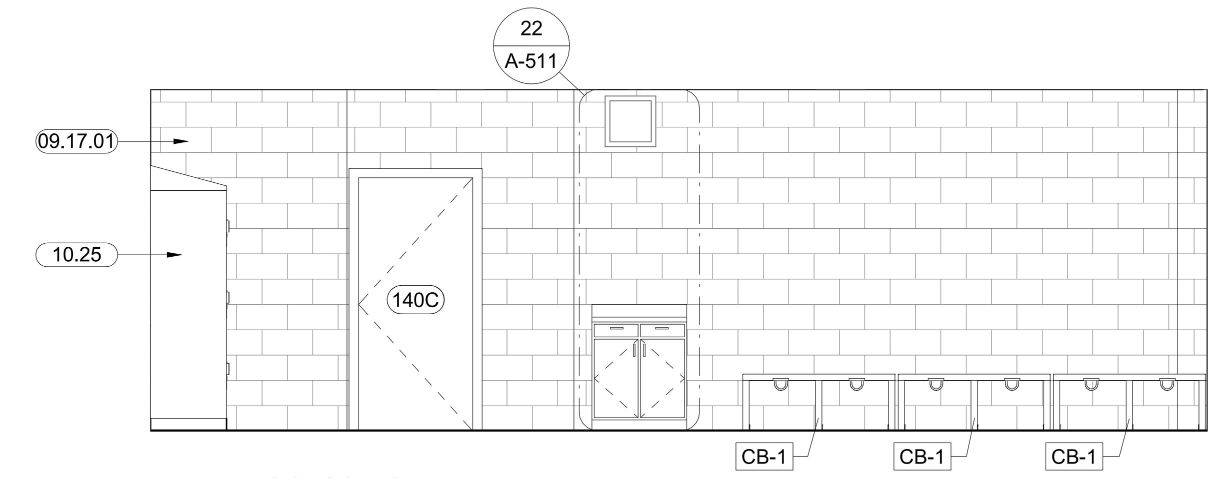


2 PROCESSING AREA - N
1/4" = 1'-0"

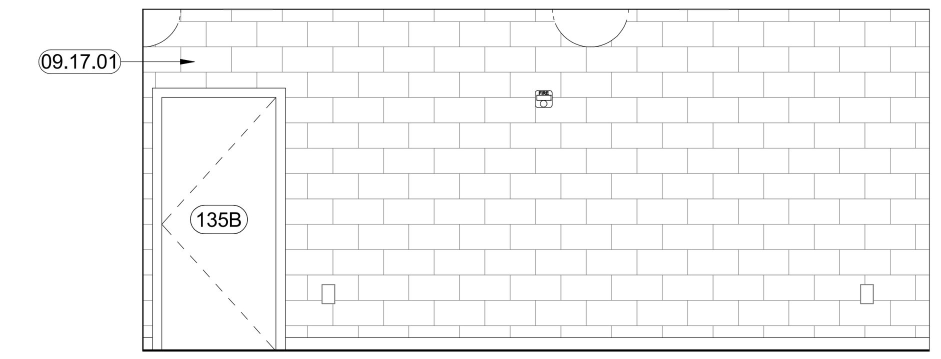


3 PROCESSING AREA - E
1/4" = 1'-0"

6 M PROCESSING - N
1/4" = 1'-0"



7 M PROCESSING - E
1/4" = 1'-0"



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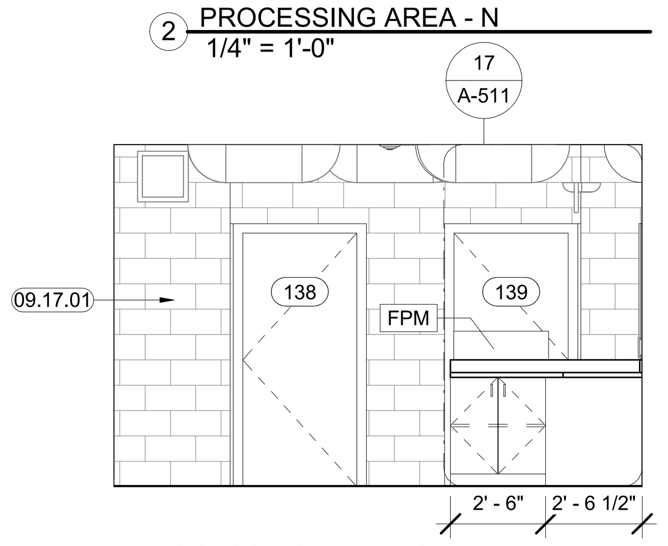
1/4" = 1'-0"



4 PROCESSING AREA - S
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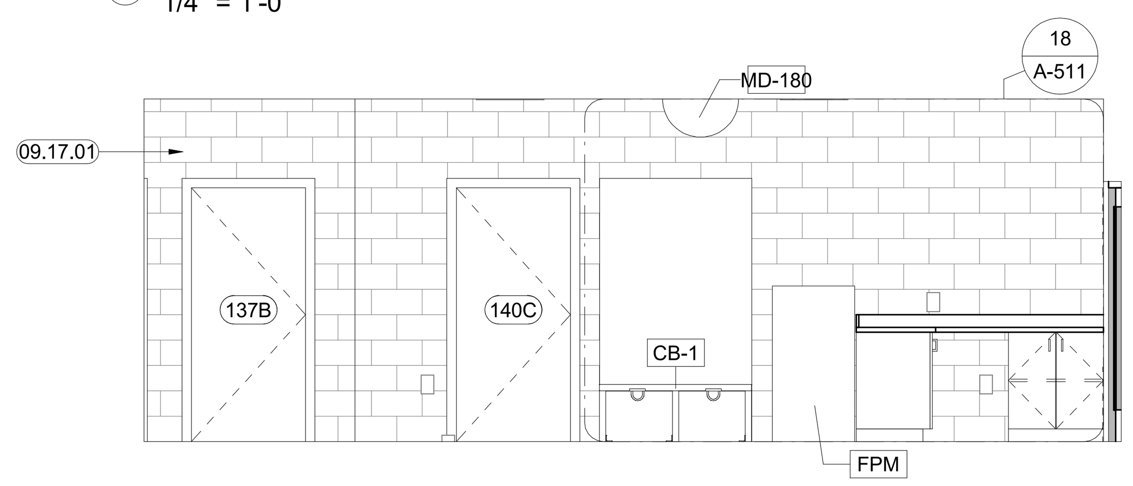

5 PROCESSING AREA - W
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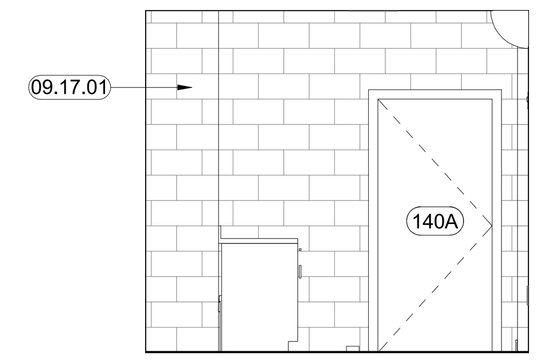
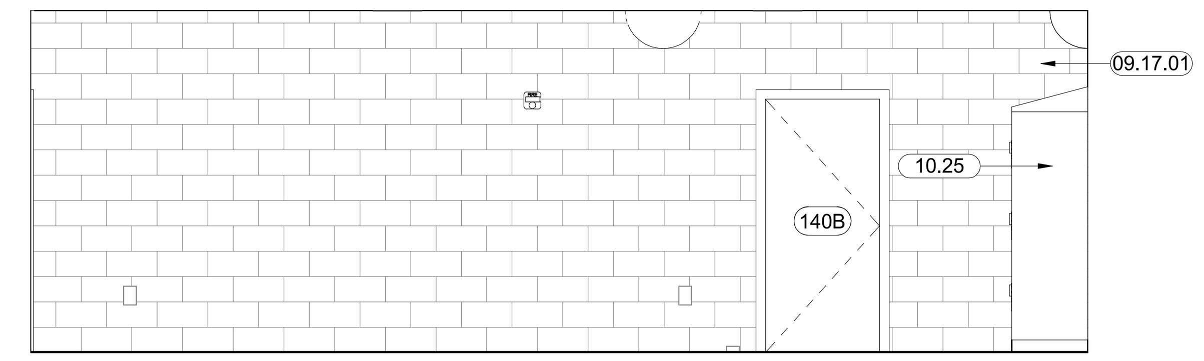
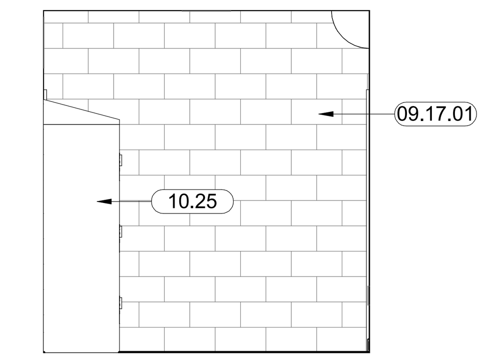


8 M PROCESSING - S
1/4" = 1'-0"



9 M PROCESSING - W
1/4" = 1'-0"



11 F PROCESSING - N
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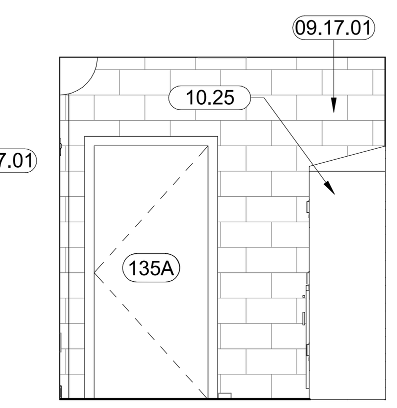
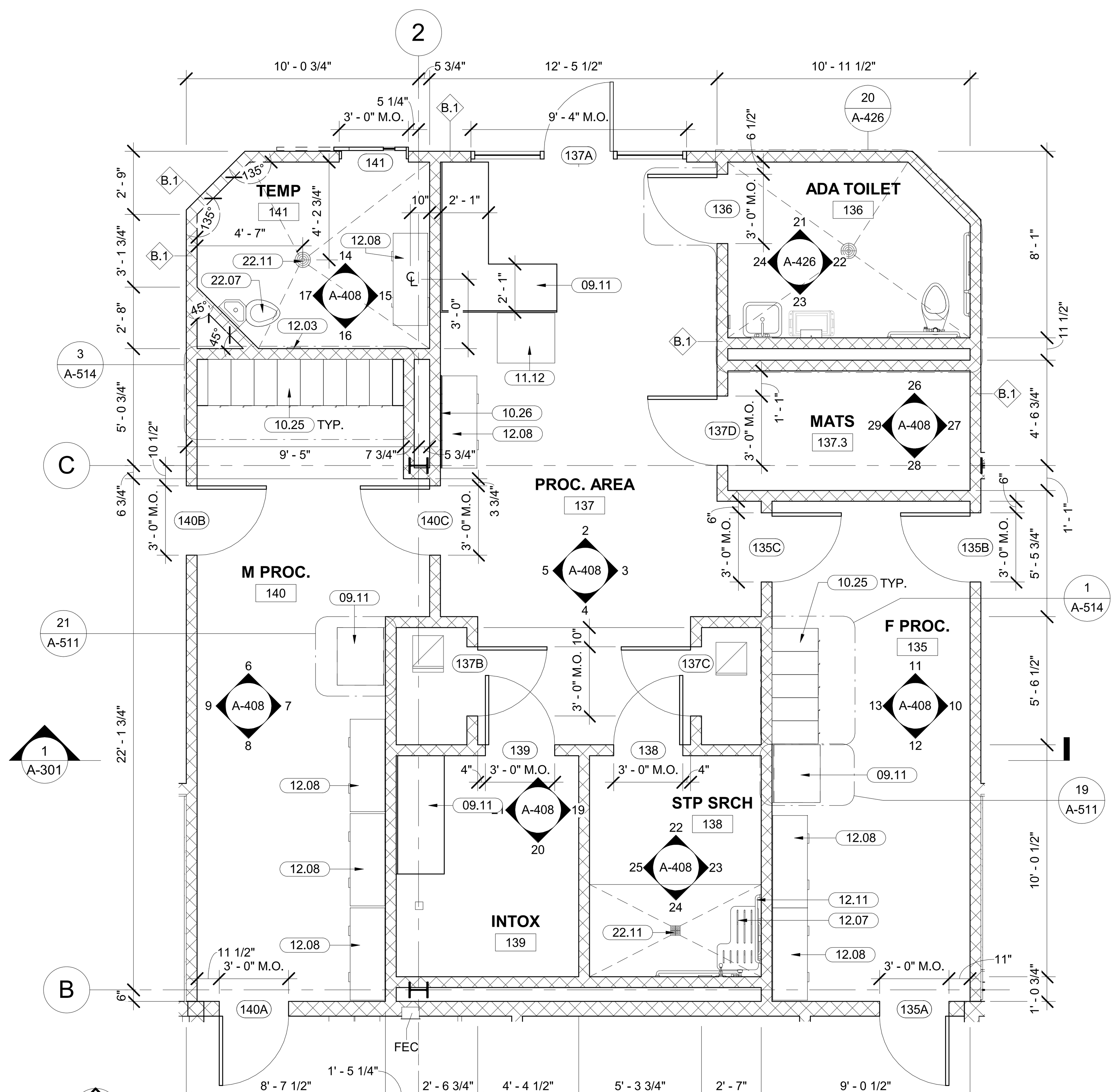
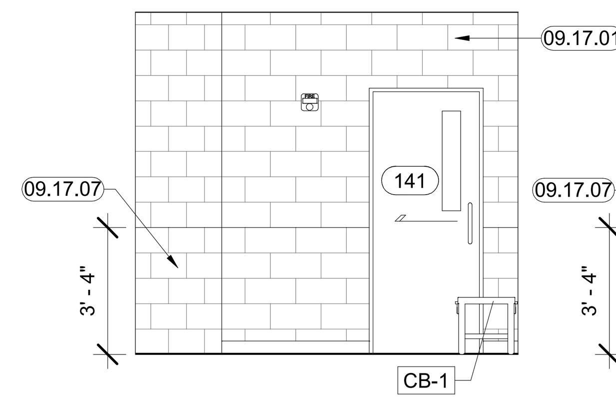


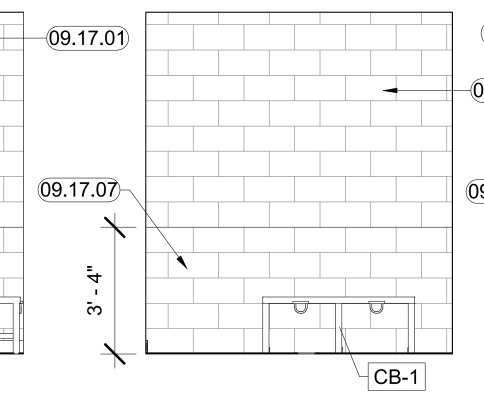
12 F PROCESSING - S
1/4" = 1'-0"



1 ENLARGED PLAN - PROCESSING AREA
1/4" = 1'-0"



14 TEMPORARY HOLD A - N
1/4" = 1'-0"



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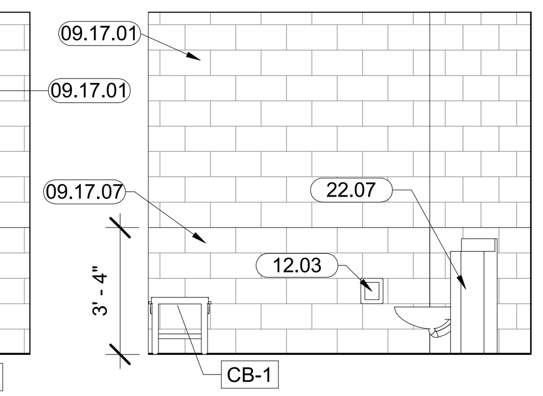
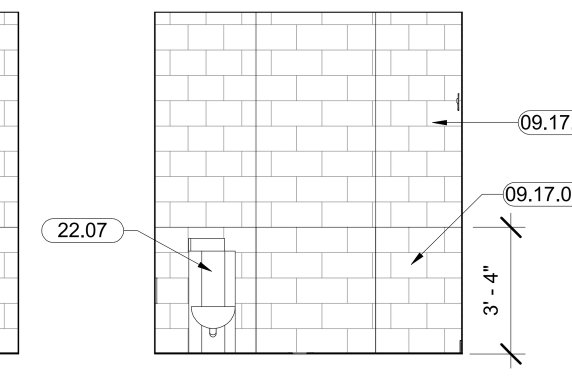
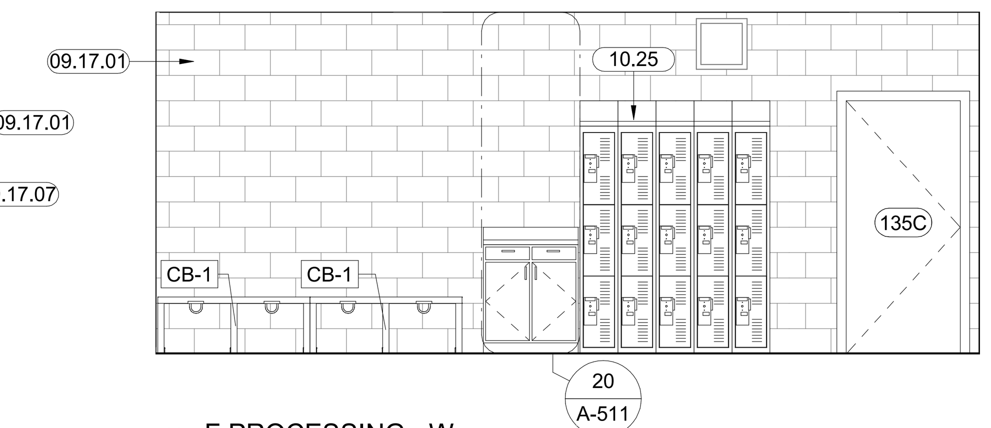
1/4" = 1'-0"



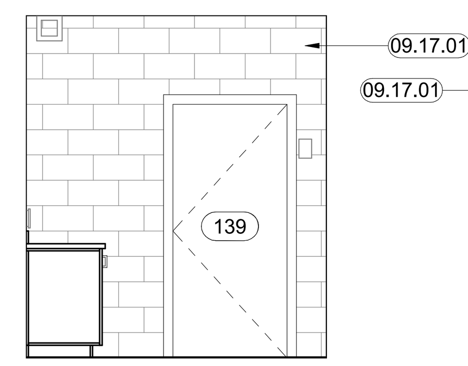
16 TEMPORARY HOLD A - S
1/4" = 1'-0"



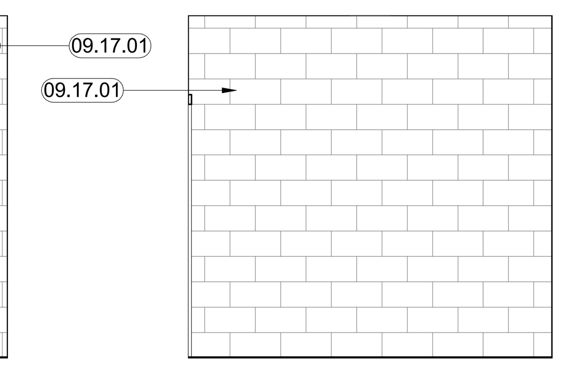
17 TEMPORARY HOLD A - W
1/4" = 1'-0"



13 F PROCESSING - W
1/4" = 1'-0"



18 INTOXIMETER - N
1/4" = 1'-0"



19 INTOXIMETER - E
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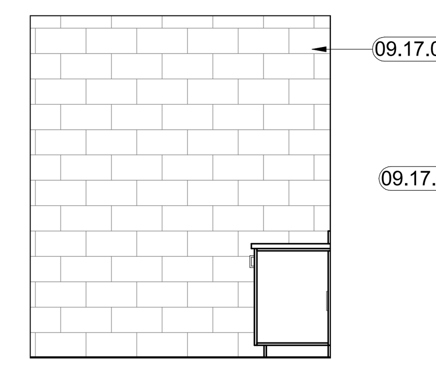
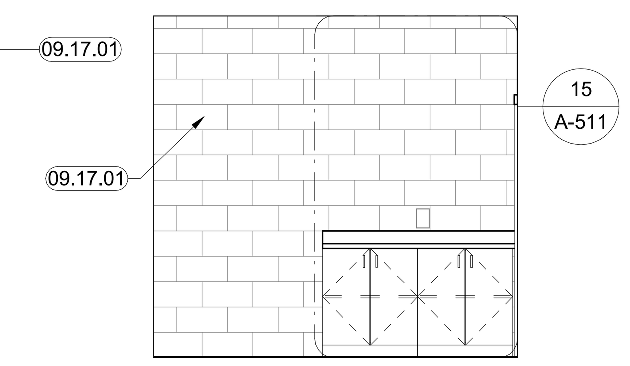


20 INTOXIMETER - S
1/4" = 1'-0"



21 INTOXIMETER - W
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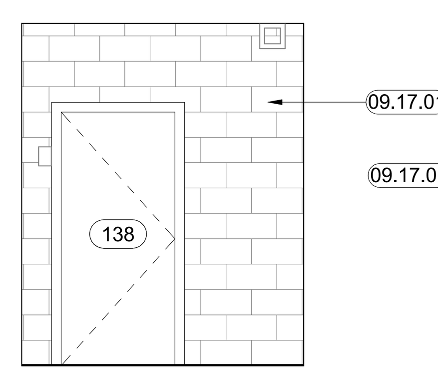
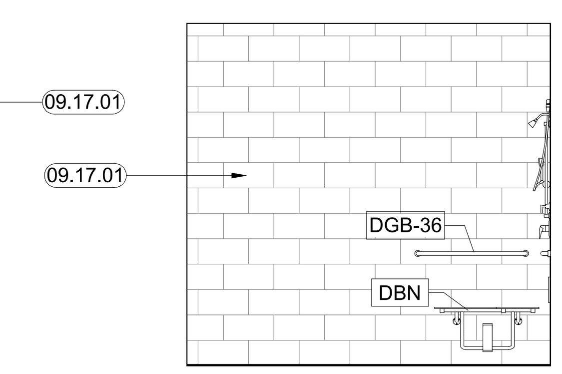


22 STRIP SEARCH - N
1/4" = 1'-0"



23 STRIP SEARCH - E
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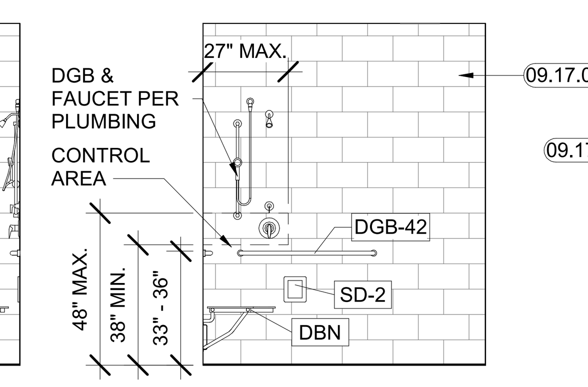

24 STRIP SEARCH - S
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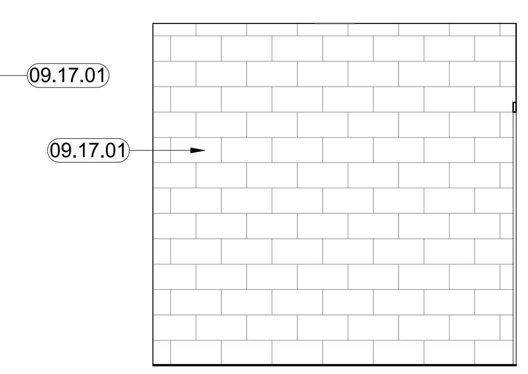

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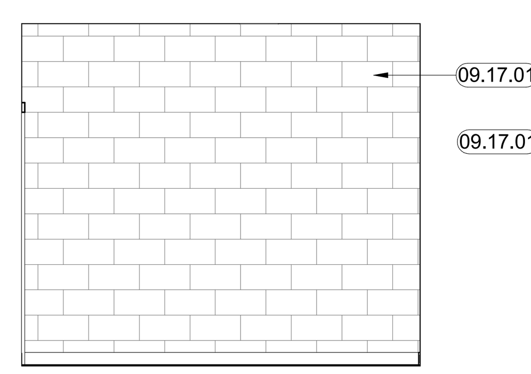
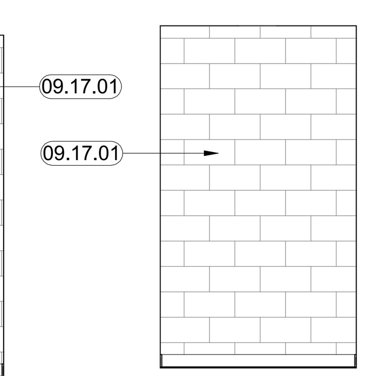
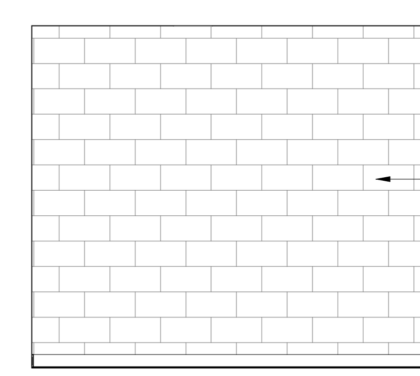


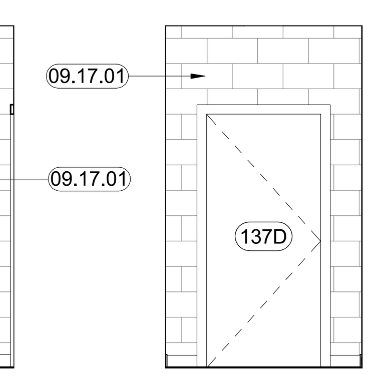
26 MATS - N
1/4" = 1'-0"



27 MATS - E
1/4" = 1'-0"

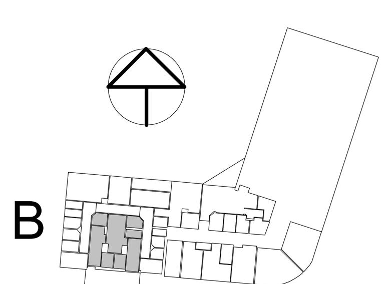


28 MATS - S
1/4" = 1'-0"



29 MATS - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.11	SS-1.
09.17.01	PT-1.
09.17.07	PT-7.
10.25	PROPERTY LOCKERS.
10.26	PRINTED LINE PHOTO WALL.
11.12	FINGERPRINT MACHINE.
12.03	TLT. PAPER HOLDER ANTI-LIGATURE (WALL RECESSED). REFER TO ELEVATIONS FOR MOUNTING HEIGHTS.
12.07	DETENTION-GRADE ADA SHOWER SEAT.
12.08	DETENTION-GRADECUFF BENCH.
12.11	DETENTION GRAB BARS.
22.07	TLT. & SINK COMBO.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.



C:\Users\dwg\Documents\22130A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2449 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:16:54 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607, EXPIRATION DATE 06/13/2027
ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

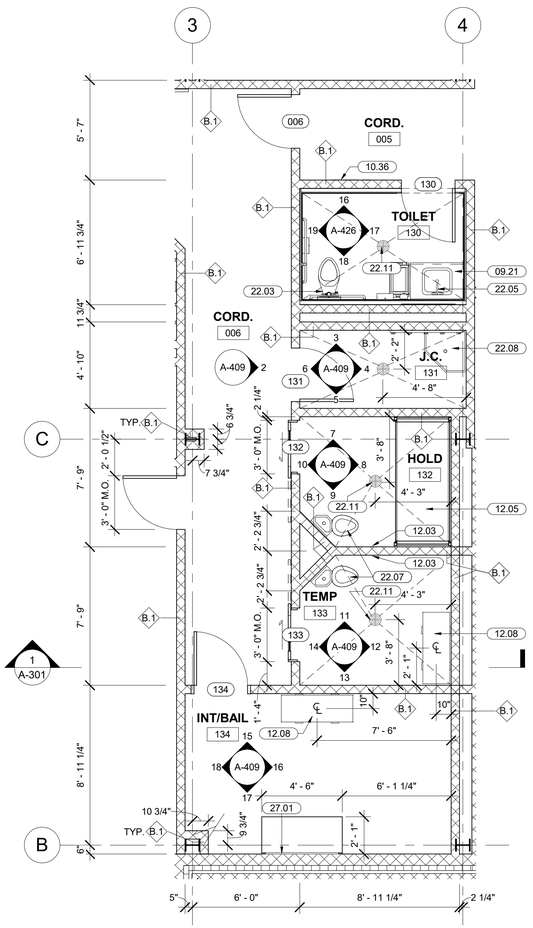
AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated	APPROVED BY: PROPERTY MANAGER
			R.O.W NO.			PROFILE SCALE:		DATE:
CONTRACT COMPLETION BOX								
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
REVIEWED BY:								
DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
ENLARGED PLANS & ELEVS. - 1ST FLR - PROCESSING AREA
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

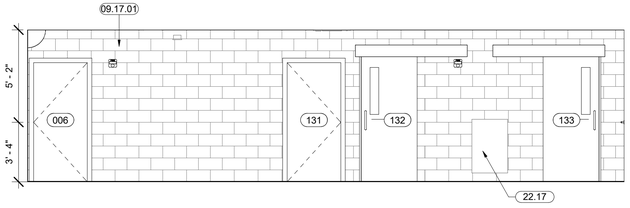
SHEET DESIGNATION	CONTRACT NUMBER
A-408	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 108 OF 302
	DRAWING NUMBER
	2024-1421
	FILE NO.: 8 REV. 03/22

BALTIMORE COUNTY MARYLAND

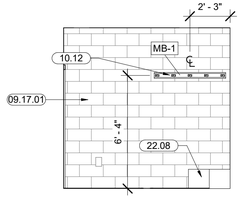
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.11	SS-1.
09.14	AWP-2.
09.17.01	PT-1.
09.17.07	PT-7.
09.21	SSM-4.
10.12	MOP AND BROOM HOLDER.
10.36	6 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
12.03	TLT. PAPER HOLDER ANTI-LIGATURE (WALL RECESSED). REFER TO ELEVATIONS FOR MOUNTING HEIGHTS.
12.05	FIXED S.S. BENCH WITH CUFF BARS.
12.08	DETENTION-GRADECUFF BENCH.
22.03	LAVATORY - REFER TO PLUMBING DRAWINGS FOR DETAILS
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
22.07	TLT. & SINK COMBO.
22.08	MOP SINK.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.17	ACCESS PANEL. SEE PLUMBING CALL-OUT.
27.01	AV EQUIPMENT, SEE TA DWG'S.



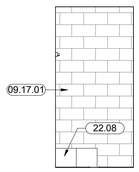
1 AREA PLAN B - FIRST FLOOR - Callout 2
1/4" = 1'-0"



2 HOLDING CORRIDOR - E
1/4" = 1'-0"



3 J.C. 131 - N
1/4" = 1'-0"



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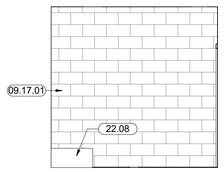
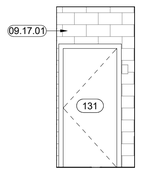
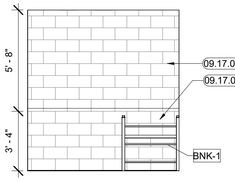


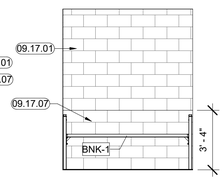
5 J.C. 131 - S
1/4" = 1'-0"



6 J.C. 131 - W
1/4" = 1'-0"



7 F HLD - N
1/4" = 1'-0"



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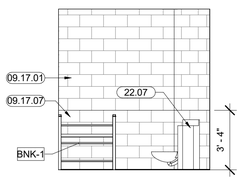
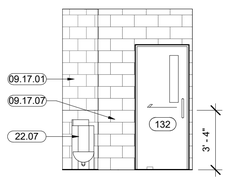
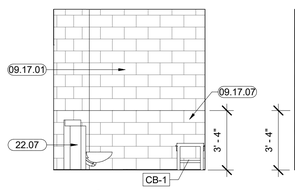
1/4" = 1'-0"



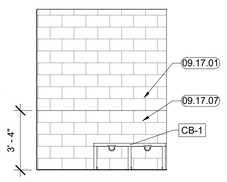
9 F HLD - S
1/4" = 1'-0"



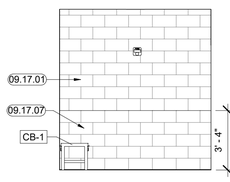
10 F HLD - W
1/4" = 1'-0"



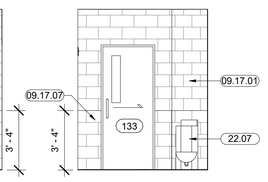
11 TEMPORARY HLD B - N
1/4" = 1'-0"



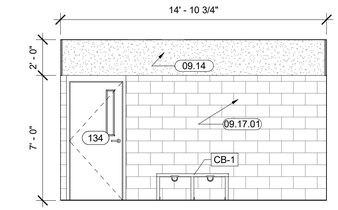
12 TEMPORARY HLD B - E
1/4" = 1'-0"



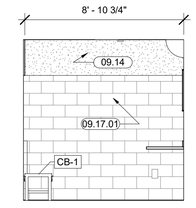
13 TEMPORARY HLD B - S
1/4" = 1'-0"



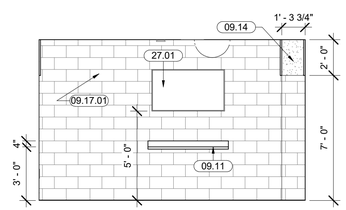
14 TEMPORARY HLD B - W
1/4" = 1'-0"



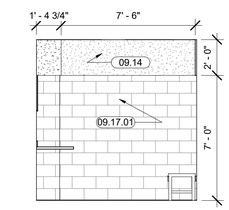
15 F INT/BAIL RM - N
1/4" = 1'-0"



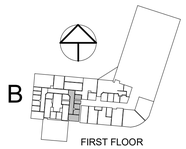
16 F INT/BAIL RM - E
1/4" = 1'-0"



17 F INT/BAIL RM - S
1/4" = 1'-0"



18 F INT/BAIL RM - W
1/4" = 1'-0"



C:\Users\jdug\Documents\221301A1 New Wilkens Police Precinct_dwg(ZANS).rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-409	24111 PPO

JOB ORDER NUMBER	300200006
SHEET	109 OF 302
DRAWING NUMBER	2024-1422
FILE NO.:	8

SEAL — ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:17:00 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE — PLAN SCALE: As indicated — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

DGN BY: JAT — DWN BY: DWG/ AWU — CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - FEMALE HOLDING & INTERVIEW ROOMS

NEW BUILDING DESIGN

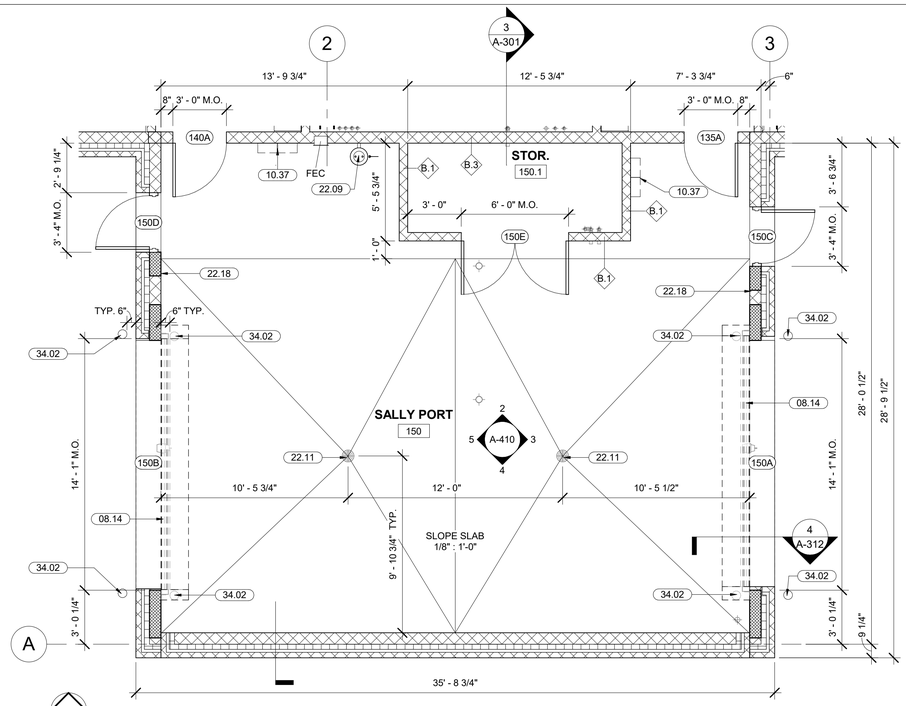
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

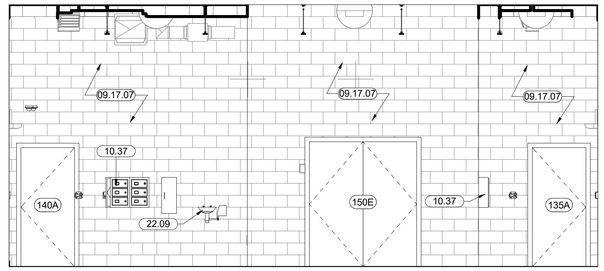
BALTIMORE COUNTY MARYLAND

KEYNOTE LEGEND	
TAG	DESCRIPTION
08.14	OVERHEAD COILING DOOR.
09.17.07	PT-7.
09.32	4" RB-1.
10.37	6 COMPARTMENT PISTOL LOCKER - SURFACE MOUNT.
22.09	EYE WASH STATION.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.18	HOSE BIB, REFER TO PLUMBING DWG'S.
34.02	6" STEEL CONC. FILLED BOLLARD WITH PLASTIC COVER.

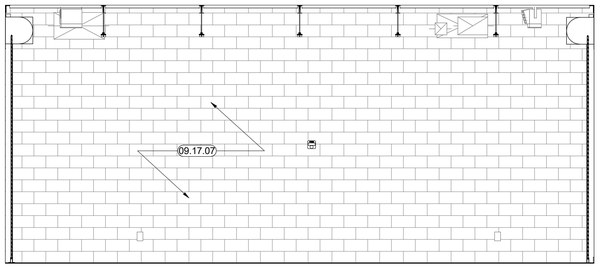


BUILDING NORTH

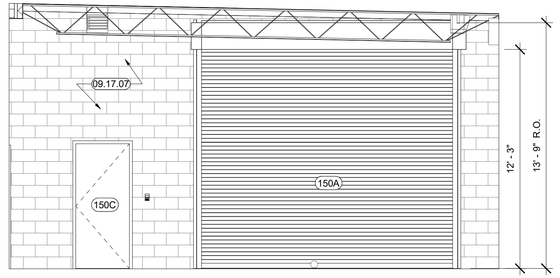
1 ENLARGED PLAN - SALLY PORT
1/4" = 1'-0"



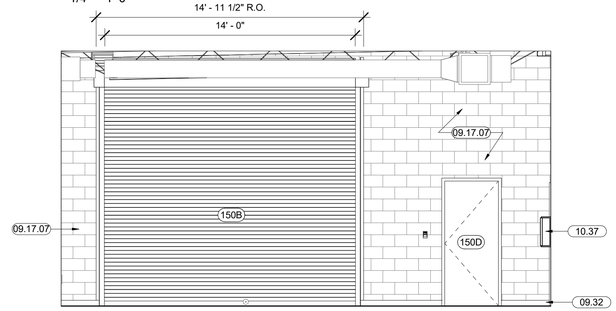
2 SALLY PORT - N
1/4" = 1'-0"



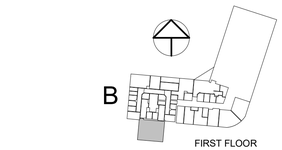
4 SALLY PORT - S
1/4" = 1'-0"



3 SALLY PORT - E
1/4" = 1'-0"



5 SALLY PORT - W
1/4" = 1'-0"



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Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-410	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 110 OF 302
	DRAWING NUMBER
	2024-1423
	FILE NO.: 8

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A ELWOOD DITTENHAFER STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:17:02 PM

PROFESSIONAL CERTIFICATION													
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.													
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027													
ARCHITECT: Frank Elwood Dittenhafer, II													
AS-BUILT PER RECORD PRINT													
BY:													
DATE:													

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

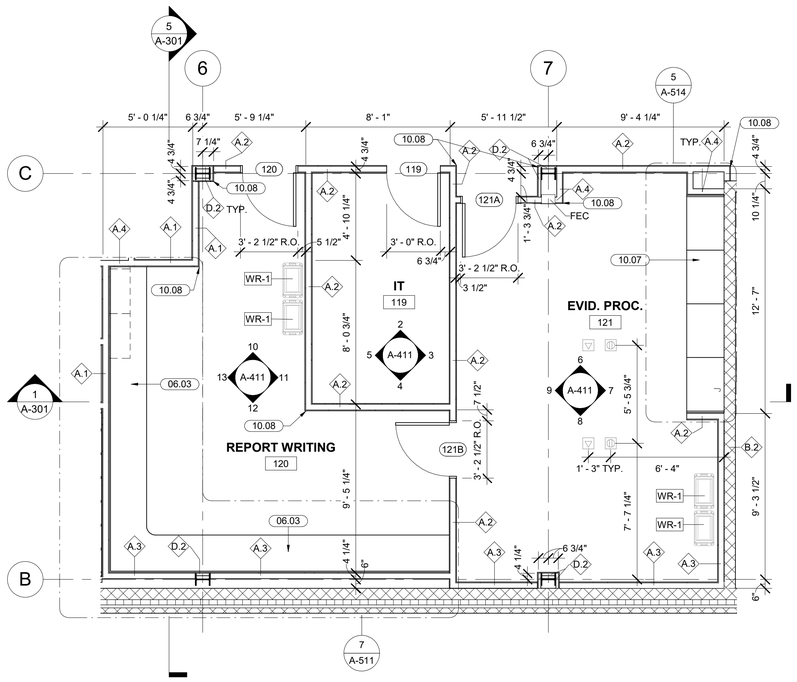
ENLARGED PLANS & ELEVS. - 1ST FLR - SALLY PORT

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

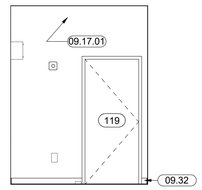
ELECTION DIST. NO.: 01C1



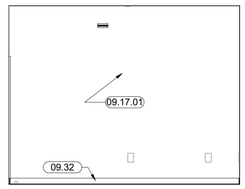
BUILDING NORTH

1 ENLARGED PLAN - IT, REPORT WRITING & EVIDENCE PROCESSING
1/4" = 1'-0"

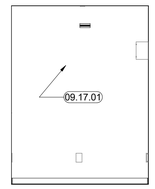
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.03	SSM COUNTERTOP w. GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
09.17.01	PT-1.
09.27	BB-1, TACKABLE WALL COVERING.
09.32	4" RB-1.
10.07	WELDED METAL LOCKERS, SEE A-500 SHEETS FOR DETAILS.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.02	TA EQUIPMENT, SEE TA DWG'S.



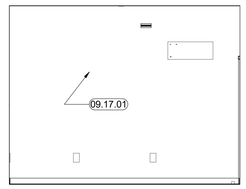
2 IT A - N
1/4" = 1'-0"



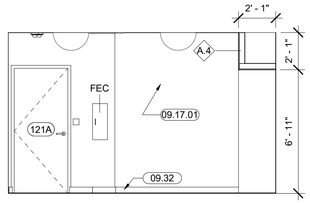
3 IT A - E
1/4" = 1'-0"



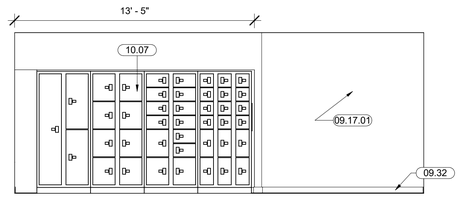
4 IT A - S
1/4" = 1'-0"



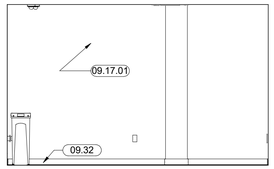
5 IT A - W
1/4" = 1'-0"



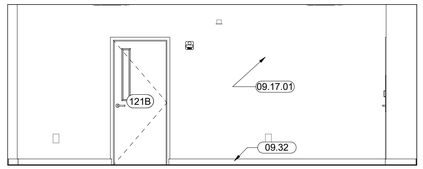
6 EVIDENCE PROCESSING - N
1/4" = 1'-0"



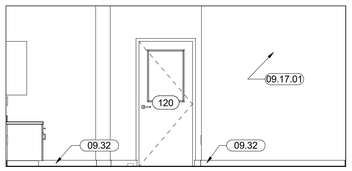
7 EVIDENCE PROCESSING - E
1/4" = 1'-0"



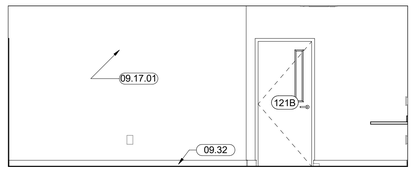
8 EVIDENCE PROCESSING - S
1/4" = 1'-0"



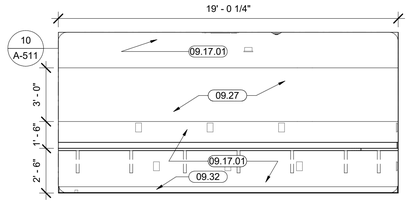
9 EVIDENCE PROCESSING - W
1/4" = 1'-0"



10 REPORT WRITING - N
1/4" = 1'-0"



11 REPORT WRITING - W
1/4" = 1'-0"



12 REPORT WRITING - S
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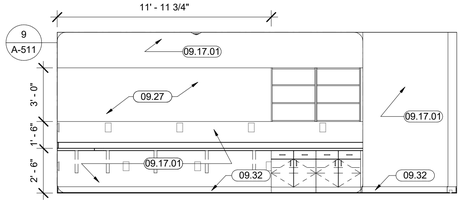

13 REPORT WRITING - W
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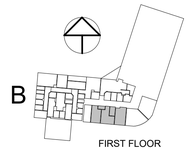


C:\Users\dwp\Documents\23 39\31 New Wilkens Police Precinct_dwpQZANS8.rvt

Murphy & Dittenhafer
ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401
717-848-9827 voice 717-840-2449 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:17:07 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW		PROFILE SCALE:		PROPERTY MANAGER
	CONTRACT COMPLETION BOX								DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. -1ST FLR - IT, REPORT WRITING & EVIDENCE PROCESSING

NEW BUILDING DESIGN

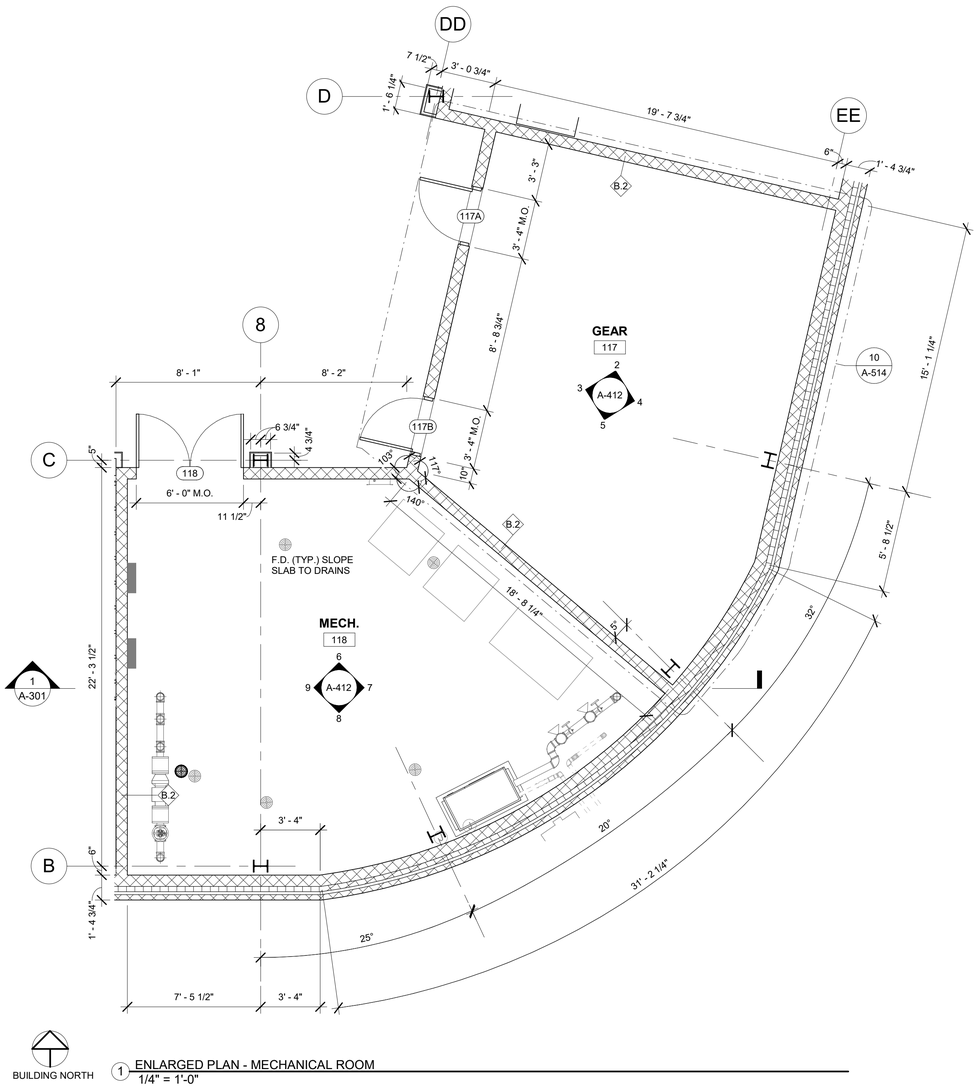
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

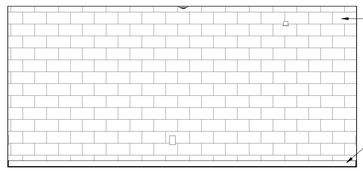
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-411	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 111 OF 302
	DRAWING NUMBER
	2024-1424
	FILE NO.: 8 REV. 10/22

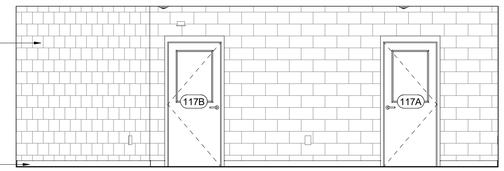
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.17.01	PT-1.
09.32	4" RB-1.
23.01	MECHANICAL EQUIP., SEE MECHANICAL.



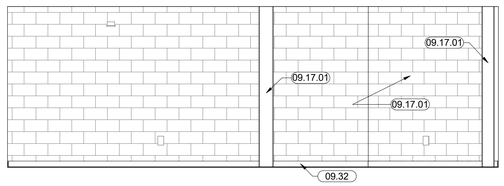
1 ENLARGED PLAN - MECHANICAL ROOM
1/4" = 1'-0"



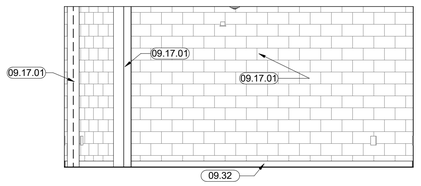
2 GEAR - N
1/4" = 1'-0"



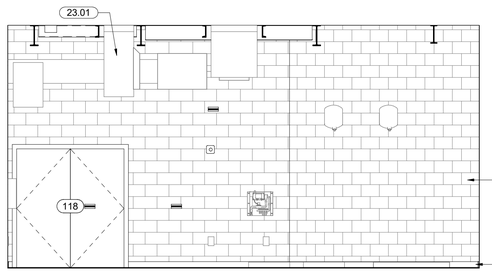
3 GEAR - N
1/4" = 1'-0"



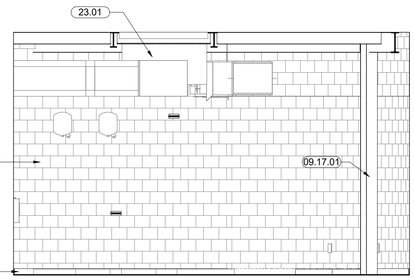
4 GEAR - E
1/4" = 1'-0"



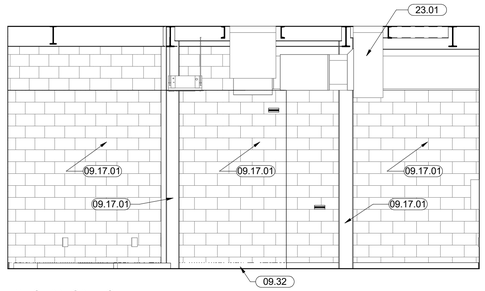
5 GEAR - S
1/4" = 1'-0"



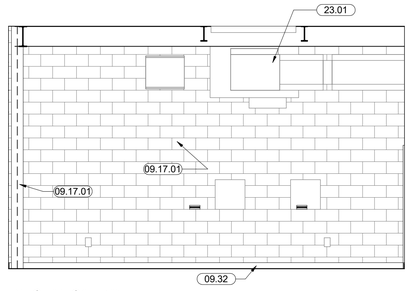
6 MECHANICAL - N
1/4" = 1'-0"



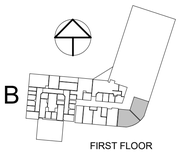
7 MECHANICAL - E
1/4" = 1'-0"



8 MECHANICAL - S
1/4" = 1'-0"



9 MECHANICAL - W
1/4" = 1'-0"



FIRST FLOOR

C:\Users\jdwg\Documents\223 9A11 New Wilkens Police Precinct_dwgQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:17:10 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE:	As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:		PROPERTY MANAGER
		CONTRACT COMPLETION BOX								DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS & ELEVS. - 1ST FLR - GEAR & MECHANICAL ROOM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

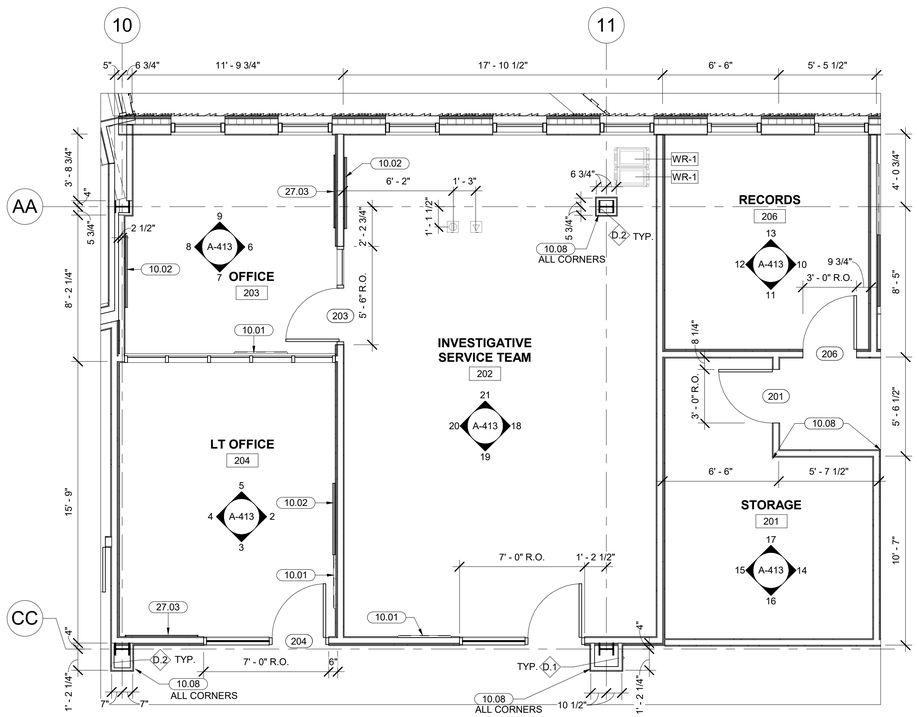
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

306 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4674 fax

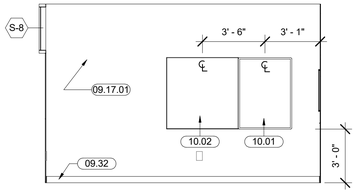
228 West Market Street, York, Pennsylvania 17401
717-848-9927 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-412	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 112 OF 302
	DRAWING NUMBER
	2024-1425
	FILE NO.: 8 REV. 09/22

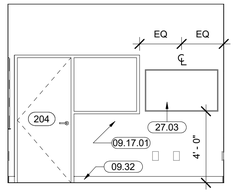


BUILDING NORTH

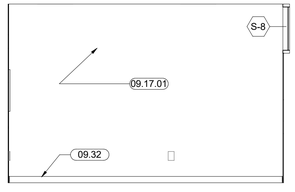
1 ENLARGED SECOND FLOOR ROOMS
1/4" = 1'-0"



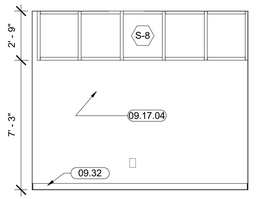
2 LT OFFICE A - N
1/4" = 1'-0"



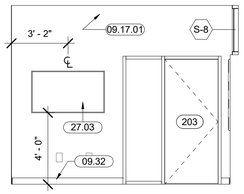
3 LT OFFICE A - E
1/4" = 1'-0"



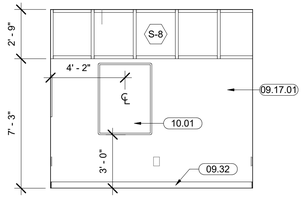
4 LT OFFICE A - S
1/4" = 1'-0"



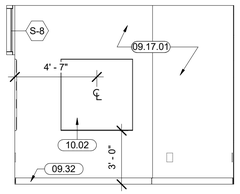
5 LT OFFICE A - W
1/4" = 1'-0"



6 I.S.T. OFFICE B - N
1/4" = 1'-0"



7 I.S.T. OFFICE B - E
1/4" = 1'-0"



8 I.S.T. OFFICE B - S
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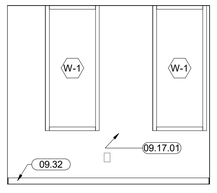
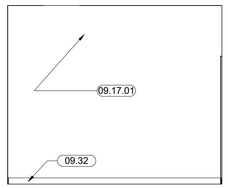
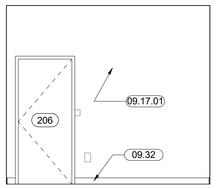


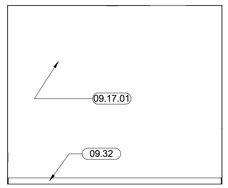
9 I.S.T. OFFICE B - W
1/4" = 1'-0"



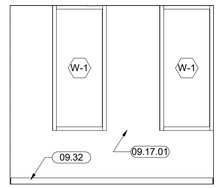
10 RECORDS - N
1/4" = 1'-0"



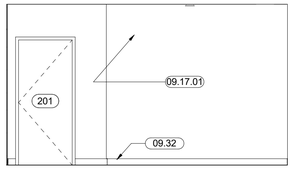
11 RECORDS - E
1/4" = 1'-0"



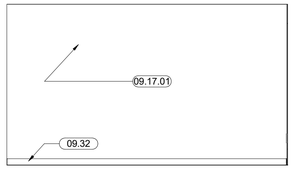
12 RECORDS - S
1/4" = 1'-0"



13 RECORDS - W
1/4" = 1'-0"



14 STORAGE RM 201 - N
1/4" = 1'-0"



15 STORAGE RM 201 - S
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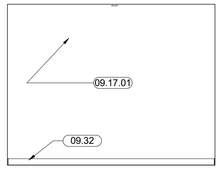
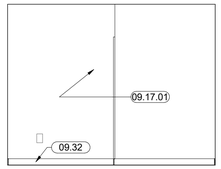
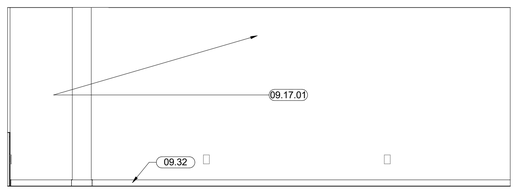


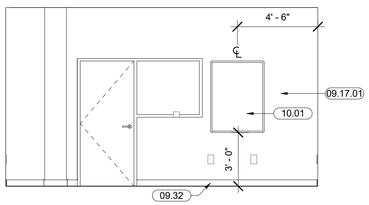
16 STORAGE RM 201 - E
1/4" = 1'-0"



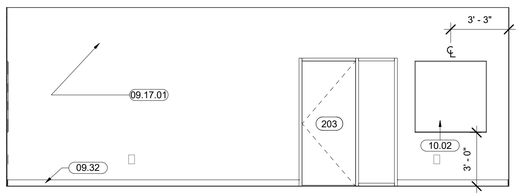
17 STORAGE RM 201 - W
1/4" = 1'-0"



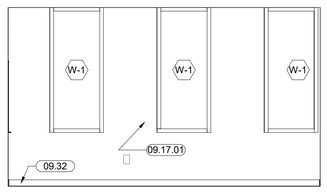
18 I.S.T. SUITE - N
1/4" = 1'-0"



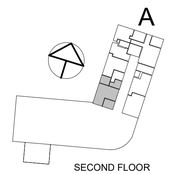
19 I.S.T. SUITE - E
1/4" = 1'-0"



20 I.S.T. SUITE - S
1/4" = 1'-0"



21 I.S.T. SUITE - W
1/4" = 1'-0"



SECOND FLOOR

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.17.01	PT-1.
09.17.04	PT-4.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.03	CCTV MONITOR, SEE TA DWG'S.

C:\Users\dwg\Documents\2213\0A1 New Wilkens Police Precinct_dwgQZ_NS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:17:17 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN & ELEVS. - 2ND FLR - LT, I.S.T., RECORDS & STORAGE

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

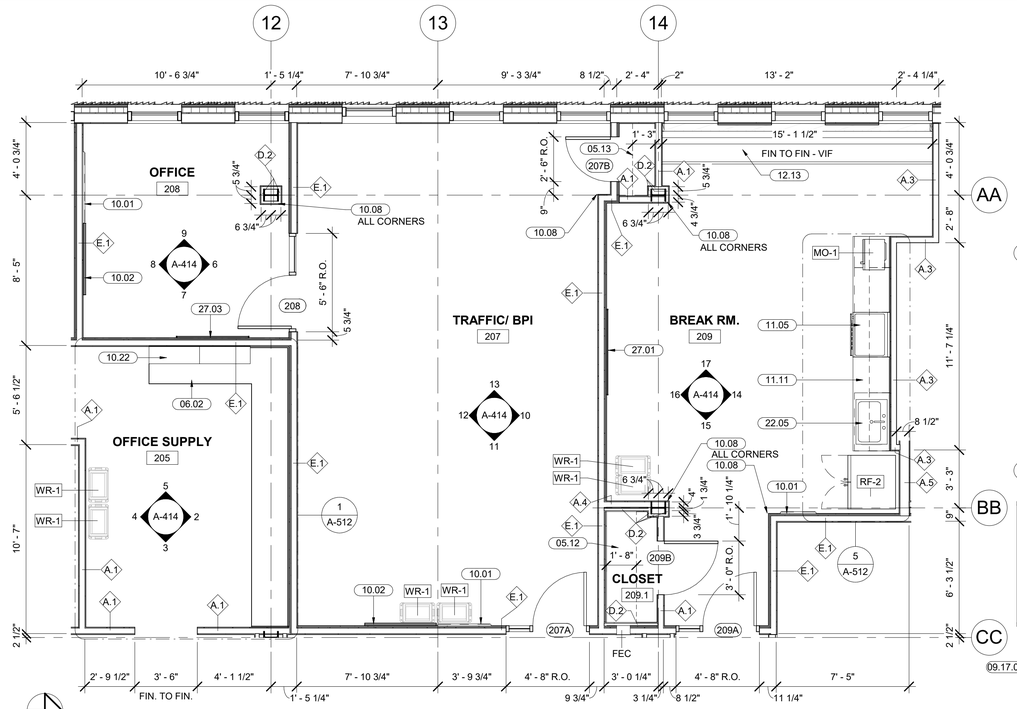
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax

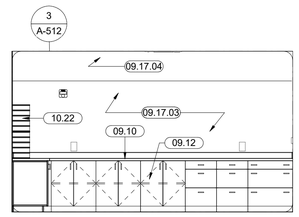
229 West Market Street, York, Pennsylvania 17401 717-848-6927 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-413	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 113 OF 302
	DRAWING NUMBER
	2024-1426
	FILE NO.: 8 REV: 03/03

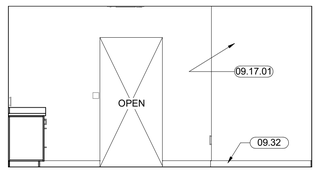


BUILDING NORTH

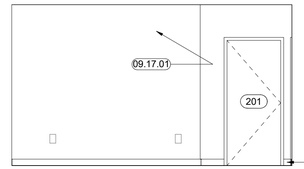
1 ENLARGED PLAN - TRAFFIC/BPI & BREAKROOM
1/4" = 1'-0"



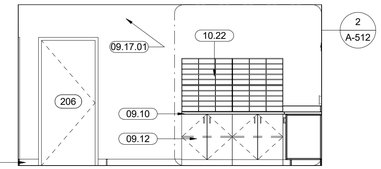
2 OFFICE SUPPLIES B - N
1/4" = 1'-0"



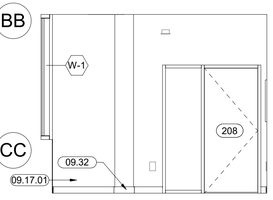
3 OFFICE SUPPLIES B - E
1/4" = 1'-0"



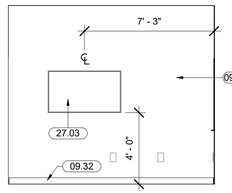
4 OFFICE SUPPLIES B - S
1/4" = 1'-0"



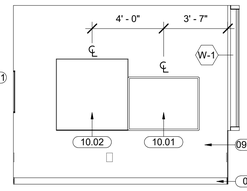
5 OFFICE SUPPLIES B - W
1/4" = 1'-0"



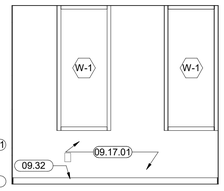
6 TRAFFIC/ BPI OFFICE - N
1/4" = 1'-0"



7 TRAFFIC/ BPI OFFICE - E
1/4" = 1'-0"

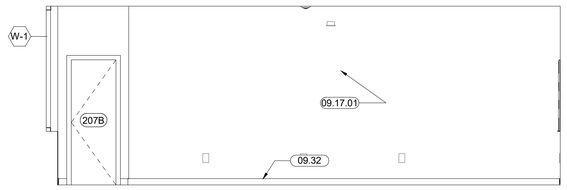


8 TRAFFIC/ BPI OFFICE - S
1/4" = 1'-0"

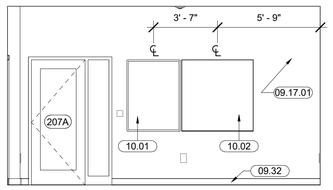


9 TRAFFIC/ BPI OFFICE - W
1/4" = 1'-0"

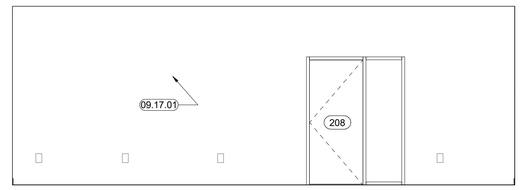
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.12	WIRE SHELVING (NO ROD).
05.13	WIRE SHELVING WITH ROD.
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
09.10	SSM-1.
09.12	PLAM-1.
09.13	AWP-1.
09.17.01	PT-1.
09.17.03	PT-3.
09.17.04	PT-4.
09.19	PLAM-2.
09.22	SSM-5.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.22	MAIL SORTER, N.I.C. SEE FF&E.
11.05	ELECTRIC RANGE/OVEN.
11.11	DISHWASHER.
12.13	
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
27.01	AV EQUIPMENT, SEE TA DWG'S.
27.03	CCTV MONITOR, SEE TA DWG'S.



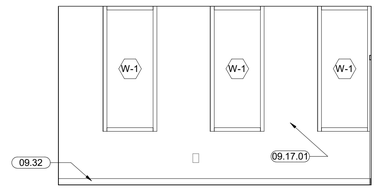
10 TRAFFIC/ BPI SUITE - N
1/4" = 1'-0"



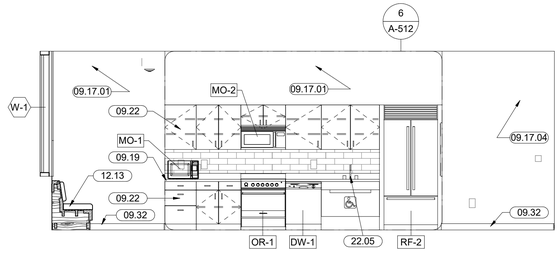
11 TRAFFIC/ BPI SUITE - E
1/4" = 1'-0"



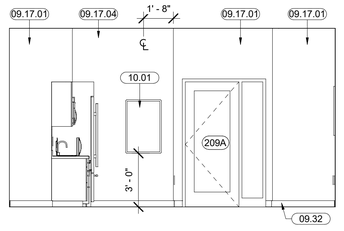
12 TRAFFIC/ BPI SUITE - S
1/4" = 1'-0"



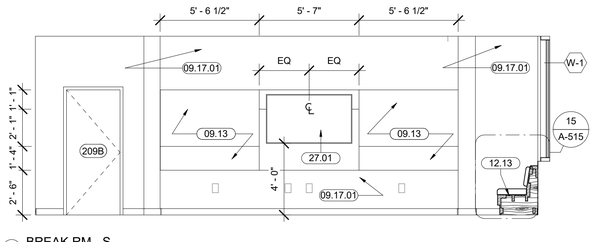
13 TRAFFIC/ BPI SUITE - W
1/4" = 1'-0"



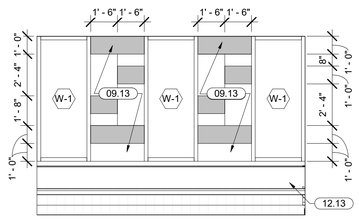
14 BREAK RM - N
1/4" = 1'-0"



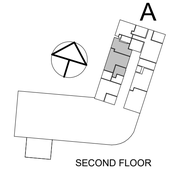
15 BREAK RM - E
1/4" = 1'-0"



16 BREAK RM - S
1/4" = 1'-0"



17 BREAK RM - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\dwp\Documents\223 9\031 New Wilkens Police Precinct_dwpQZAN8.rvt

Murphy & Dittenhafer
ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-849-9827 voice 717-840-2449 fax

SEAL — ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:17:22 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE — PLAN SCALE: As indicated — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

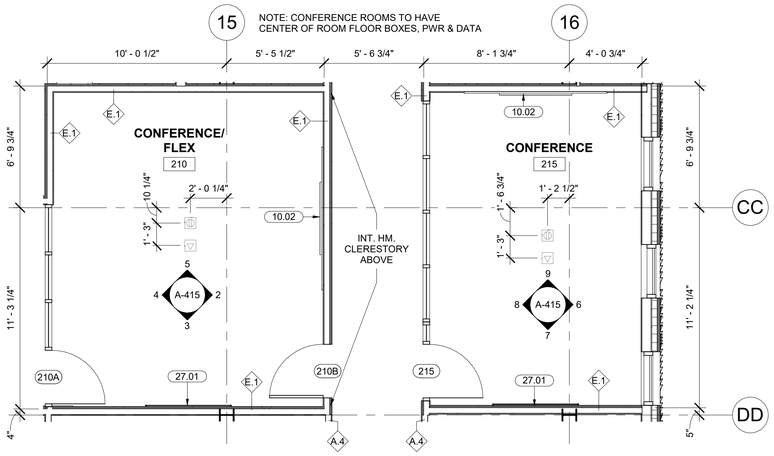
ENLARGED PLAN & ELEVS. - 2ND FLR - OFFICE SUPPLY, TRAFFIC/ BPI SUITE & BREAK ROOM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS — 901 Walker Ave Catonsville, Maryland, 21228 — ELECTION DIST. NO.: 01C1

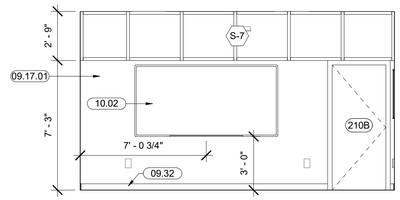
SHEET DESIGNATION	CONTRACT NUMBER
A-414	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 114 OF 302
	DRAWING NUMBER
	2024-1427
	FILE NO.: 8 REV. 10/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.17.01	PT-1.
09.17.04	PT-4.
09.32	4" RB-1.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.20	PHOTO/ART. SEE SIGNAGE.
27.01	AV EQUIPMENT, SEE TA DWG'S.

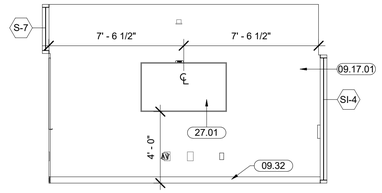


1 ENLARGED PLAN - CONFERENCE ROOMS
1/4" = 1'-0"

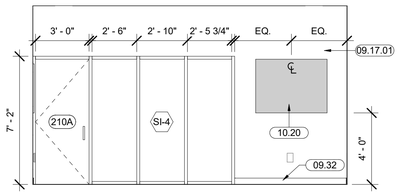
BUILDING NORTH



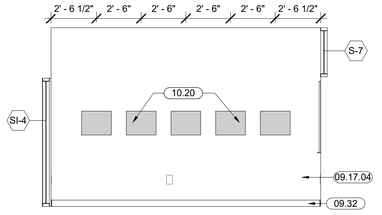
2 CONFERENCE/FLEX - N
1/4" = 1'-0"



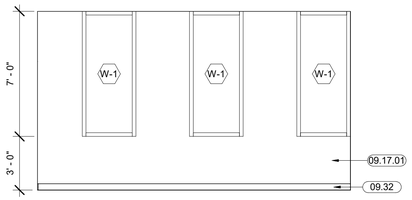
3 CONFERENCE/FLEX - E
1/4" = 1'-0"



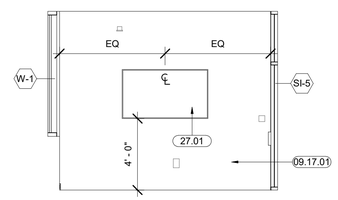
4 CONFERENCE/FLEX - S
1/4" = 1'-0"



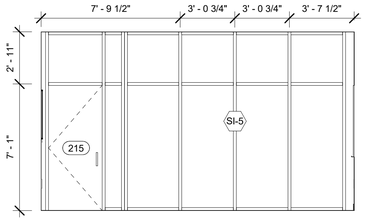
5 CONFERENCE/FLEX - W
1/4" = 1'-0"



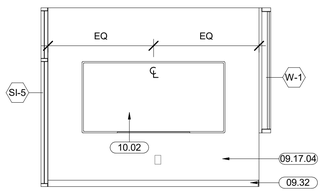
6 CONFERENCE RM - N
1/4" = 1'-0"



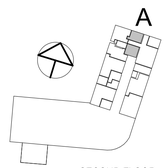
7 CONFERENCE RM - E
1/4" = 1'-0"



8 CONFERENCE RM - S
1/4" = 1'-0"



9 CONFERENCE RM - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\dwg\Documents\22130A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-415	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 115 OF 302
	DRAWING NUMBER
	2024-1428
	FILE NO.: 8

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : 6/19/2025 1:17:25 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE:	As indicated	APPROVED BY:
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19	PROFILE SCALE:		PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX					15SW20			DATE:
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: RLM	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

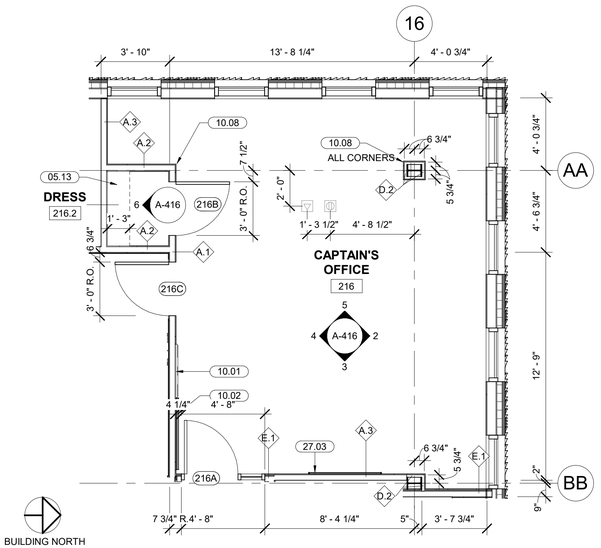
ENLARGED PLAN & ELEVS - 2ND FLR - CONFERENCE ROOMS

NEW BUILDING DESIGN

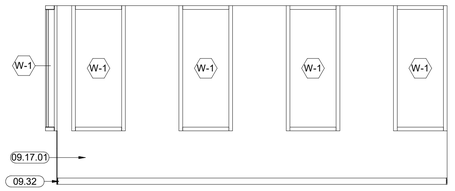
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

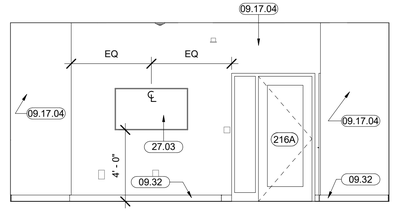
ELECTION DIST. NO.: 01C1



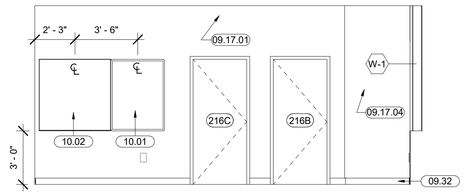
1 ENLARGED PLAN - CPT. OFFICE
1/4" = 1'-0"



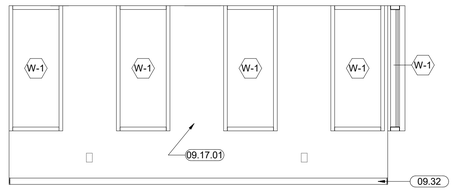
2 CPT OFFICE 216 - N
1/4" = 1'-0"



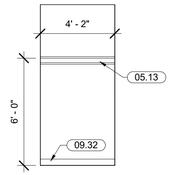
3 CPT OFFICE 216 - E
1/4" = 1'-0"



4 CPT OFFICE 216 - S
1/4" = 1'-0"

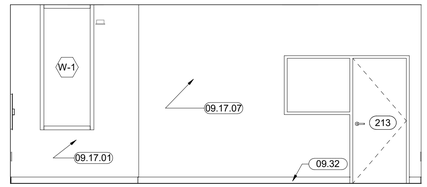


5 CPT OFFICE 216 - W
1/4" = 1'-0"

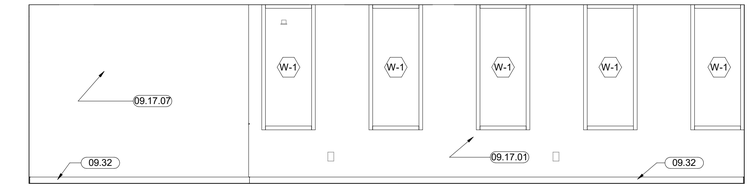


6 CPT DRESS - S
1/4" = 1'-0"

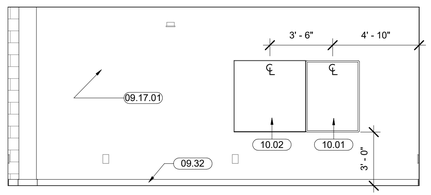
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.13	WIRE SHELVING WITH ROD.
09.17.01	PT-1.
09.17.04	PT-4.
09.17.07	PT-7.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.03	CCTV MONITOR, SEE TA DWG'S.



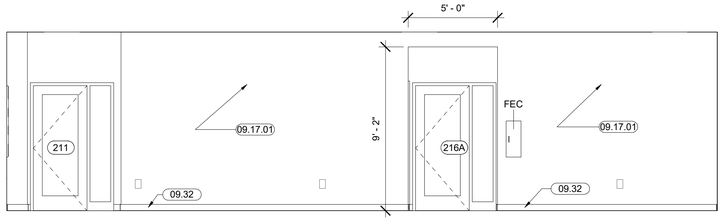
DD 8 CAPTAIN'S SUITE - N
1/4" = 1'-0"



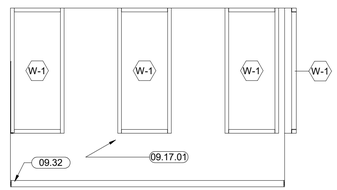
9 CAPTAIN'S SUITE - E
1/4" = 1'-0"



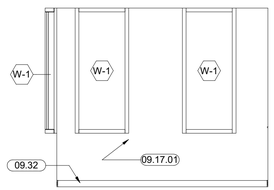
10 CAPTAIN'S SUITE - S
1/4" = 1'-0"



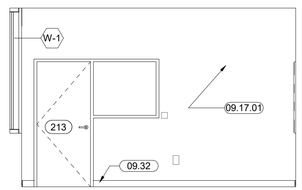
11 CAPTAIN'S SUITE - W
1/4" = 1'-0"



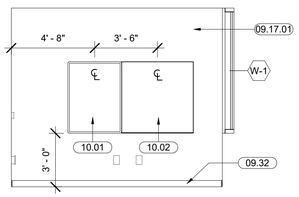
12 CAP. SUITE OFFICE 213 - N
1/4" = 1'-0"



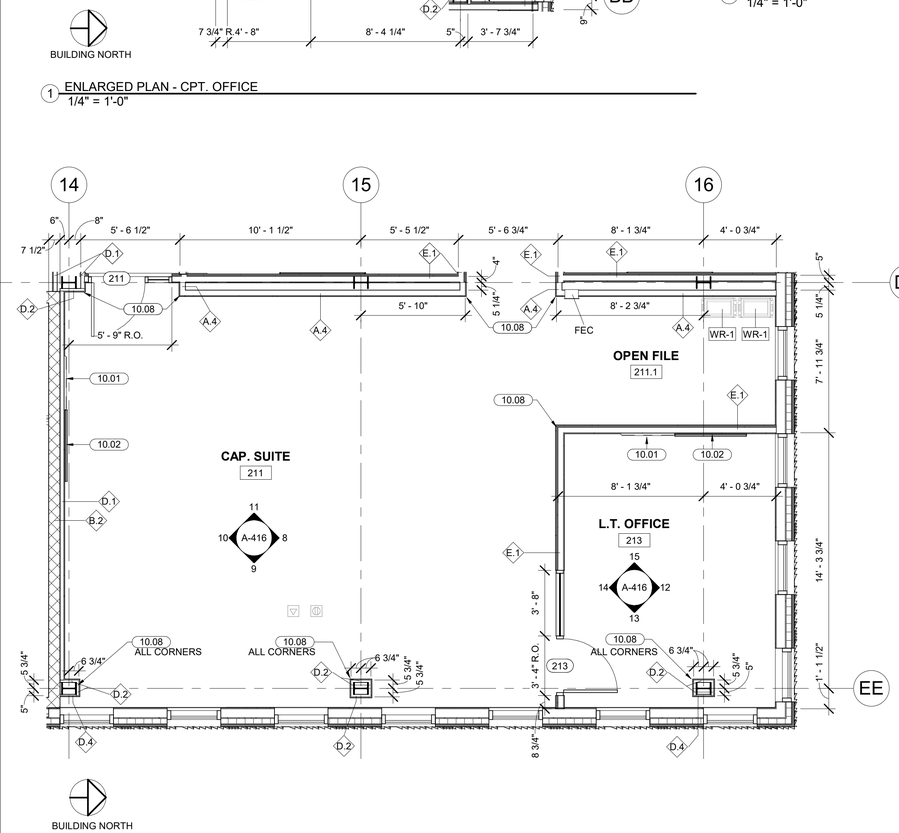
13 CAP. SUITE OFFICE 213 - E
1/4" = 1'-0"



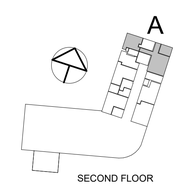
14 CAP. SUITE OFFICE 213 - S
1/4" = 1'-0"



15 CAP. SUITE OFFICE 213 - W
1/4" = 1'-0"



7 ENLARGED PLAN - CPT SUITE
1/4" = 1'-0"



C:\Users\ahay\Documents\22130A1 New Wilkens Police Precinct_ahayKZ_ANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:17:30 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN & ELEVS. - 2ND FLR - CAPTAIN'S SUITE

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

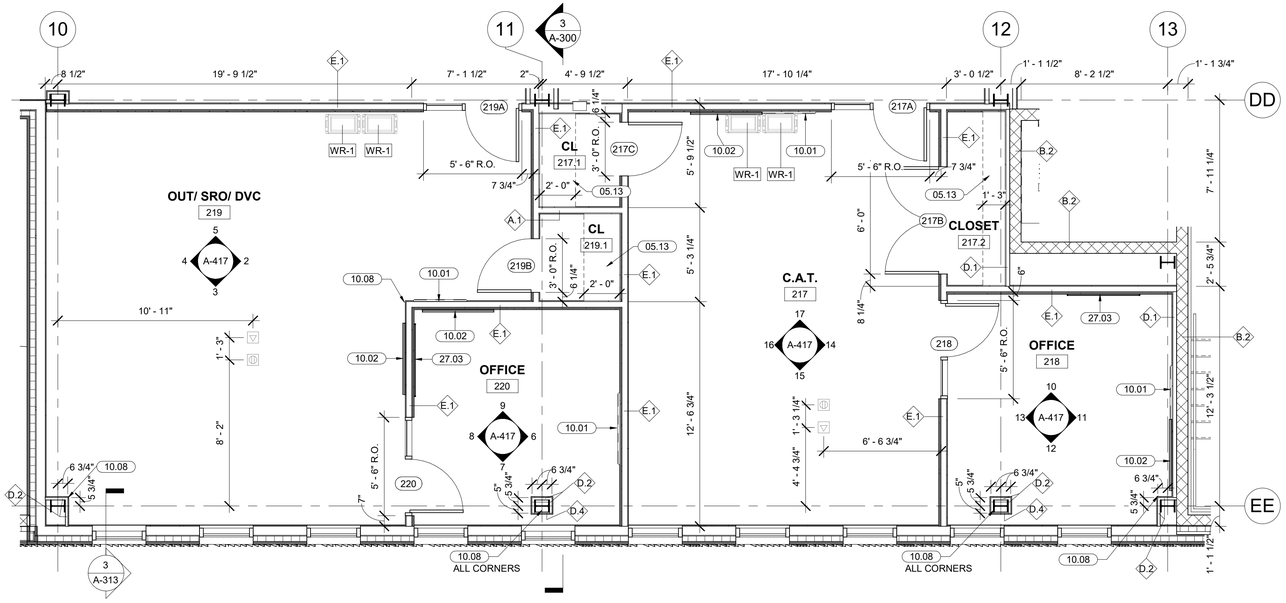
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

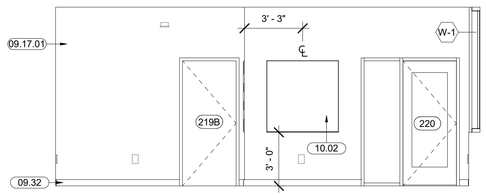
Murphy & Dittenhafer ARCHITECTS
839 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6627 voice 717-845-3498 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-416	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 116 OF 302
	DRAWING NUMBER
	2024-1429
	FILE NO.: 8 REV: 03/02

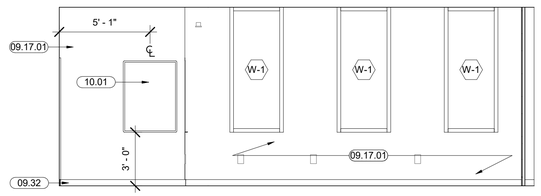
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.13	WIRE SHELVING WITH ROD.
09.17.01	PT-1.
09.17.07	PT-7.
09.32	4" RB-1.
10.01	TACKBOARD W/ALUM. FRAME. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
27.03	CCTV MONITOR, SEE TA DWG'S.



1 ENLARGED PLAN - TRAFFIC AND C.A.T. SUITE
1/4" = 1'-0"

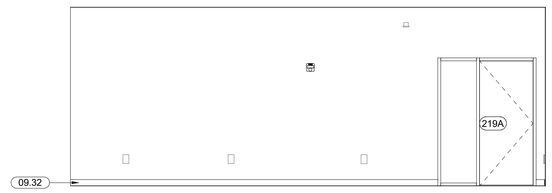


2 OUT./SRO/DVC SUITE - N
1/4" = 1'-0"

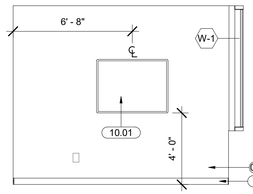


3 OUT./SRO/DVC SUITE - E
1/4" = 1'-0"

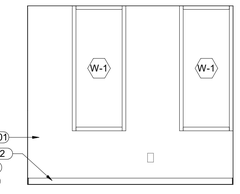
4 OUT./SRO/DVC SUITE - S
1/4" = 1'-0"



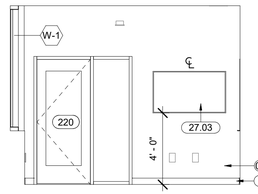
5 OUT./SRO/DVC SUITE - W
1/4" = 1'-0"



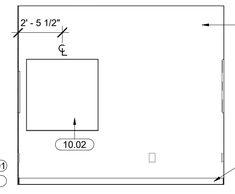
6 OUT/SRO/DVC OFFICE 220 - N
1/4" = 1'-0"



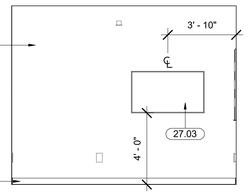
7 OUT/SRO/DVC OFFICE 220 - E
1/4" = 1'-0"



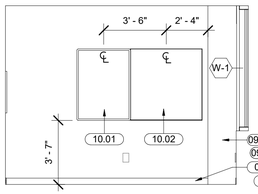
8 OUT/SRO/DVC OFFICE 220 - S
1/4" = 1'-0"



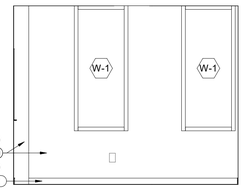
9 OUT/SRO/DVC OFFICE 220 - W
1/4" = 1'-0"



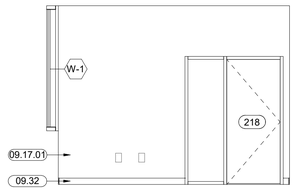
10 CAT OFFICE 218 - W
1/4" = 1'-0"



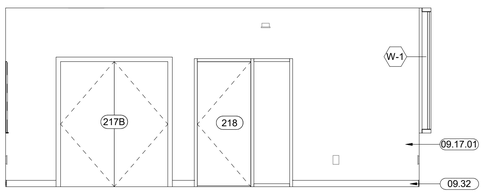
11 CAT OFFICE 218 - N
1/4" = 1'-0"



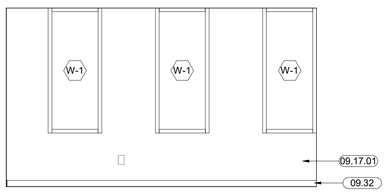
12 CAT OFFICE 218 - E
1/4" = 1'-0"



13 CAT OFFICE 218 - S
1/4" = 1'-0"

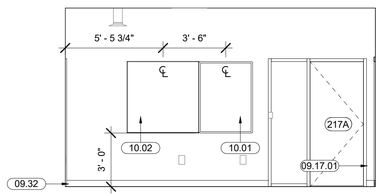


14 CAT SUITE - N
1/4" = 1'-0"

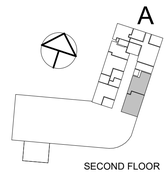


15 CAT SUITE - E
1/4" = 1'-0"

16 CAT SUITE - S
1/4" = 1'-0"



17 CAT SUITE - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\dwg\Documents\2230A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-417	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 117 OF 302
	DRAWING NUMBER
	2024-1430
	FILE NO.: 8

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:17:37 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN & ELEVS. - 2ND FLR - O.U.T./ S.R.O./ D.V.C. SUITE & C.A.T. SUITE

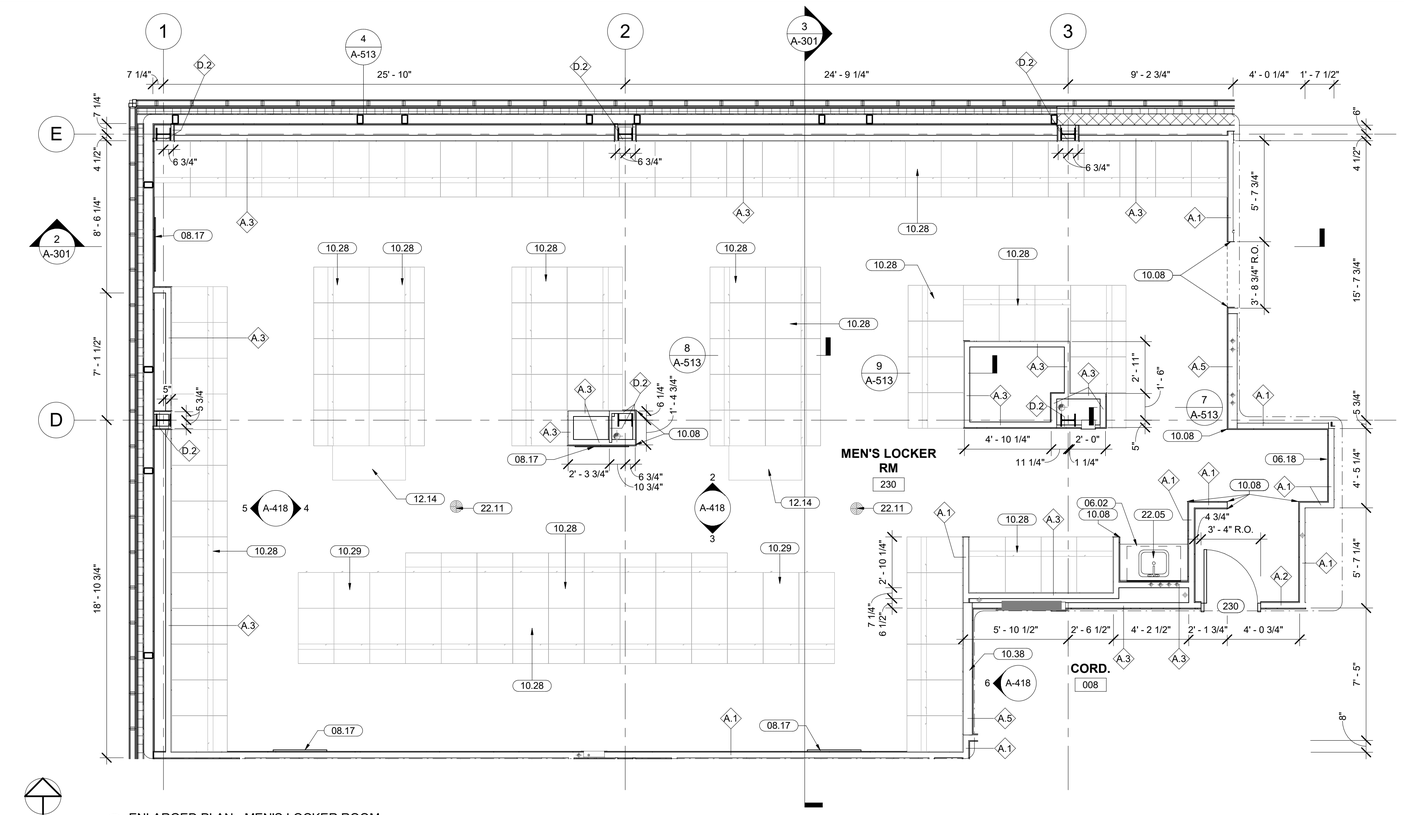
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

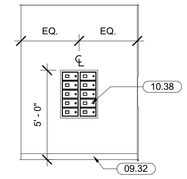
BALTIMORE COUNTY MARYLAND



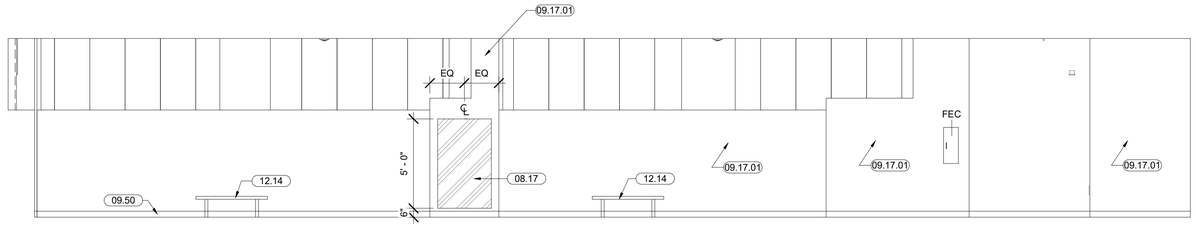
BUILDING NORTH

1 ENLARGED PLAN - MEN'S LOCKER ROOM
1/4" = 1'-0"

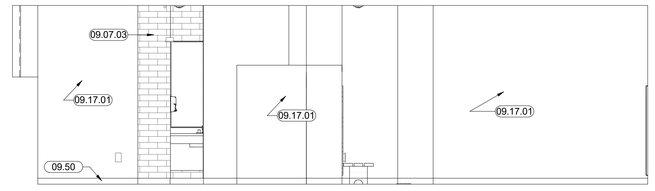
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.18	SHELF & HANGER RACK.
08.17	MIRROR.
09.07.03	CT-3
09.17.01	PT-1.
09.32	4" RB-1.
09.50	INTEGRAL COVE POURED EPOXY BASE MATCHING FLOOR.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.28	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.29	WELDED METAL PERSONAL STORAGE LOCKER.
10.38	10 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
12.14	ADA BENCH.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.



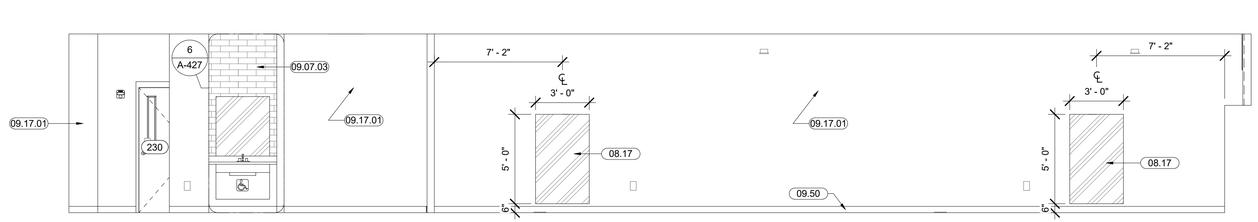
6 CORRIDOR 008 - GUN LOCKERS
1/4" = 1'-0"



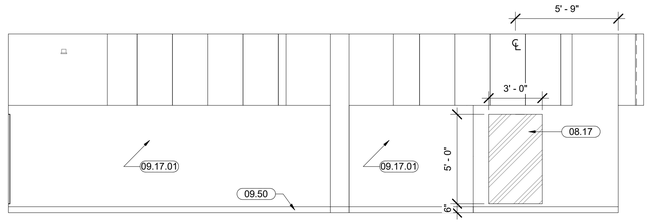
2 MEN'S LOCKER RM - N
1/4" = 1'-0"



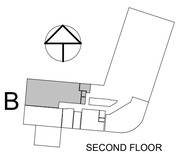
4 MEN'S LOCKER RM - E
1/4" = 1'-0"



3 MEN'S LOCKER RM - S
1/4" = 1'-0"



5 MEN'S LOCKER RM - W
1/4" = 1'-0"



C:\Users\dwp\Documents\223 9\01 New Wilkens Police Precinct_dwpQZANS8.rvt

Murphy & Dittenhafer ARCHITECTS
209 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-846-9627 voice 717-845-2449 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD, 6607-A, Frank Elwood Dittenhafer, II, STATE OF MARYLAND, 6/19/2025
DATE : 6/19/2025 1:17:40 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				
		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN & ELEVS. - 2ND FLR - MEN'S LOCKER ROOM

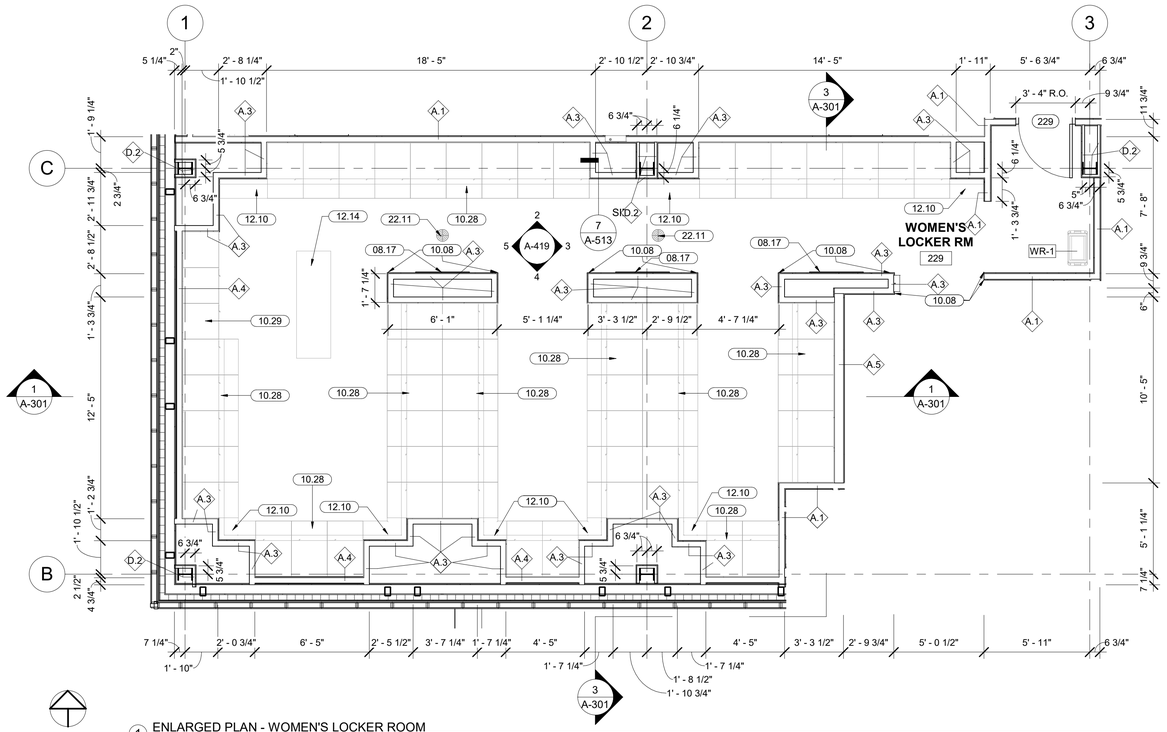
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

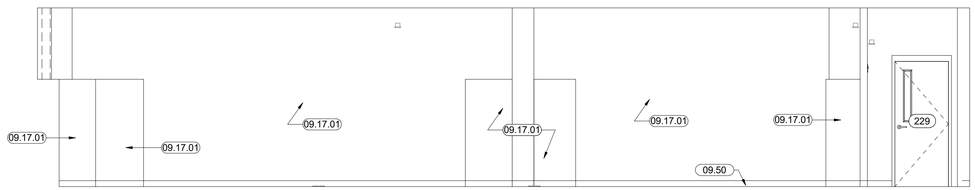
SHEET DESIGNATION	CONTRACT NUMBER
A-418	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 118 OF 302
	DRAWING NUMBER
	2024-1431
	FILE NO.: 8 REV. 10/22



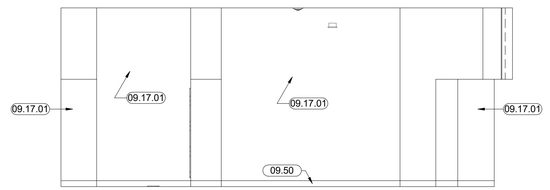
BUILDING NORTH

1 ENLARGED PLAN - WOMEN'S LOCKER ROOM
1/4" = 1'-0"

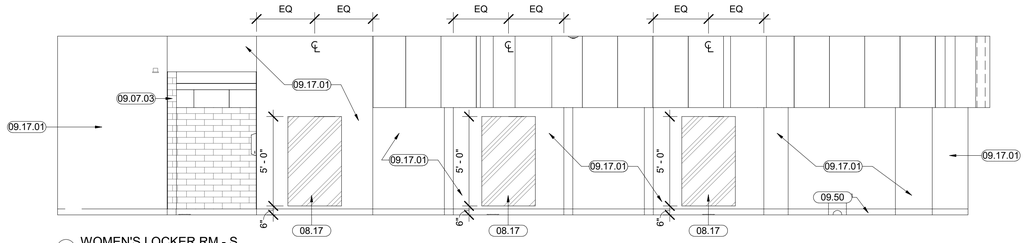
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.17	MIRROR.
09.07.03	CT-3
09.17.01	PT-1.
09.50	INTEGRAL COVE POURED EPOXY BASE MATCHING FLOOR.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.28	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.29	WELDED METAL PERSONAL STORAGE LOCKER.
12.10	
12.14	ADA BENCH.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.



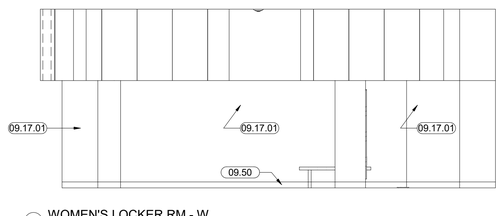
2 WOMEN'S LOCKER RM - N
1/4" = 1'-0"



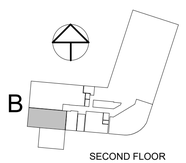
3 WOMEN'S LOCKER RM - E
1/4" = 1'-0"



4 WOMEN'S LOCKER RM - S
1/4" = 1'-0"



5 WOMEN'S LOCKER RM - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\dwp\Documents\223 9041 New Wilkens Police Precinct_dwpQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-419	24111 PPO

SEAL — ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:17:42 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated		APPROVED BY: PROPERTY MANAGER
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:		DATE:
		CONTRACT COMPLETION BOX								
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:								
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

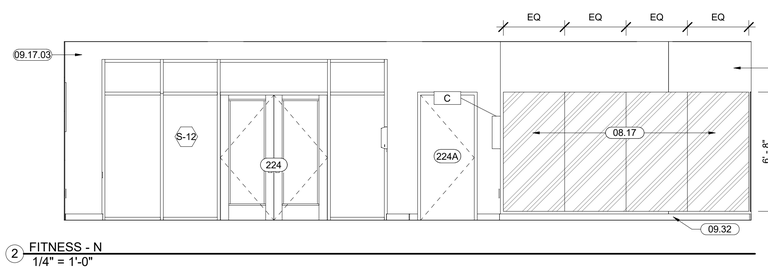
ENLARGED PLAN & ELEVS. - 2ND FLR - WOMEN'S LOCKER ROOM

NEW BUILDING DESIGN

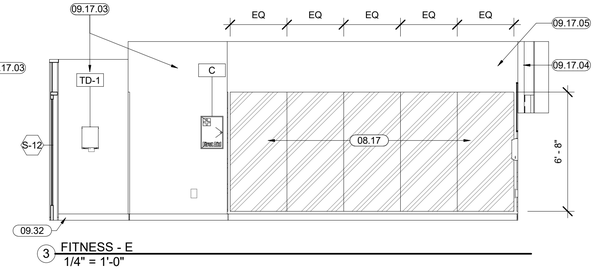
SUBDIVISION: WILKENS — 901 Walker Ave Catonsville, Maryland, 21228 — ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

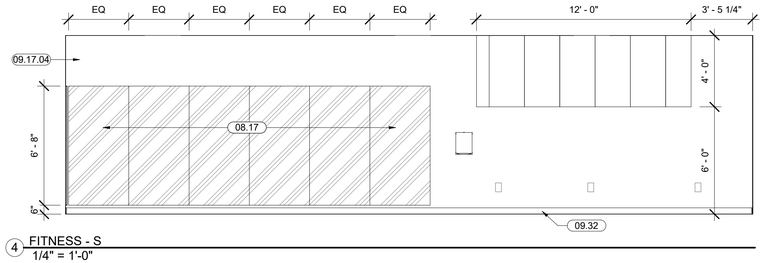
JOB ORDER NUMBER	
300200006	
SHEET 119 OF 302	
DRAWING NUMBER	
2024-1432	
FILE NO.: 8	REV. 10/22



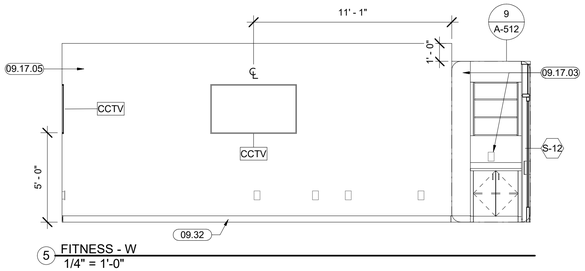
2 FITNESS - N
1/4" = 1'-0"



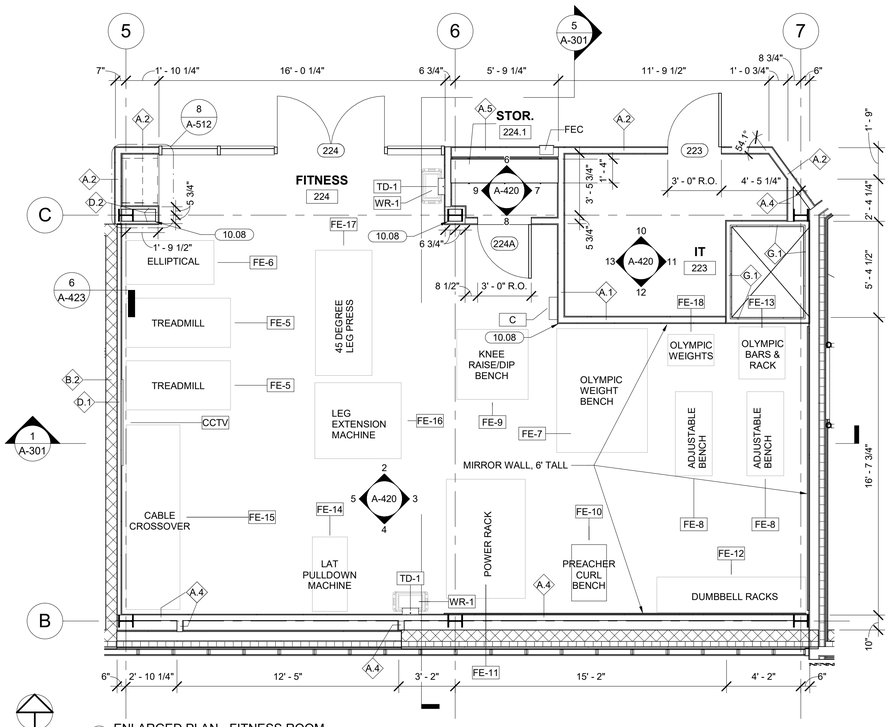
3 FITNESS - E
1/4" = 1'-0"



4 FITNESS - S
1/4" = 1'-0"



5 FITNESS - W
1/4" = 1'-0"

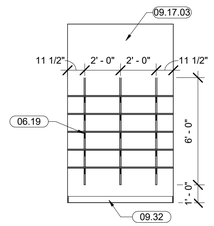


1 ENLARGED PLAN - FITNESS ROOM
1/4" = 1'-0"

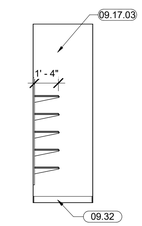
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.19	ADJUSTABLE WALL SHELVING.
08.17	MIRROR.
09.17.01	PT-1.
09.17.03	PT-3.
09.17.04	PT-4.
09.17.05	PT-5.
09.32	4" RB-1.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION

FITNESS EQUIPMENT SCHEDULE					
MARK	EQUIPMENT TYPE	QUANTITY	MODEL NUMBER	POWER	BASIS OF DESIGN - MFG
B	TRASH CANS	2			
FE-1	FIRST AID KIT; WALL MOUNTED BOX	1			
FE-5	COMMERCIAL TREADMILLS	2	VMTL29818		
FE-6	COMMERCIAL ELLIPTICAL	1	FMEL84418		
FE-7	OLYMPIC WEIGHT BENCH	1	F202		
FE-8	ADJUSTABLE BENCH	2	F203		
FE-9	KNEE RAISE/DIP BENCH	1	F207		
FE-10	PREACHER CURL BENCH	1	F205		
FE-11	POWER RACK	1	FMDY704004		
FE-12	DUMBBELL RACK	1	EF209		
FE-13	OLYMPIC BARBELL RACK	1	F210		
FE-14	LAT PULLDOWN MACHINE	1	F620		
FE-15	CABLE CROSSOVER TOWER	1	G424		
FE-16	LEG EXTENSION MACHINE	1	ES801		
FE-17	45 DEGREE LEG PRESS/HIP SLED	1	ES804		
FE-18	OLYMPIC WEIGHT	1	F219		

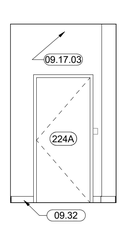
ACCESSORIES FITNESS		
MARK	DESCRIPTION	QTY.
C	FIRST AID KIT; WALL MOUNTED BOX	1
TD-1	SANITARY TOWEL DISPENSER	2
WR-1	TRASH CANS	2



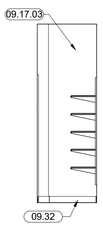
6 GYM STORAGE - N
1/4" = 1'-0"



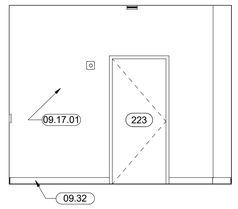
7 GYM STORAGE - E
1/4" = 1'-0"



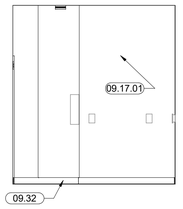
8 GYM STORAGE - S
1/4" = 1'-0"



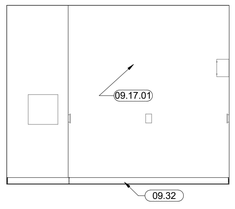
9 GYM STORAGE - W
1/4" = 1'-0"



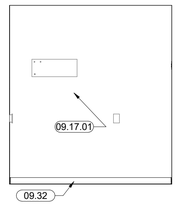
10 IT B - N
1/4" = 1'-0"



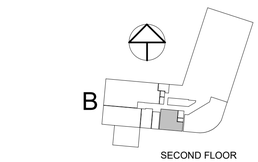
11 IT B - E
1/4" = 1'-0"



12 IT B - S
1/4" = 1'-0"



13 IT B - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\dhay\Documents\221830A1 New Wilkens Police Precinct_dhayQZANS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4620 voice 410-625-4510 fax
224 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2488 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE: 6/19/2025 1:17:47 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN & ELEVS. - 2ND FLR - FITNESS RM & IT

NEW BUILDING DESIGN

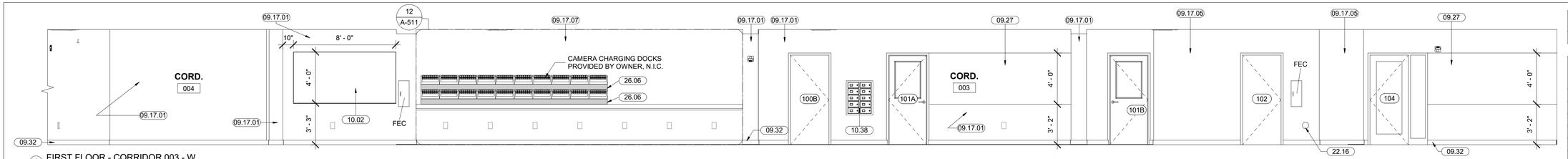
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

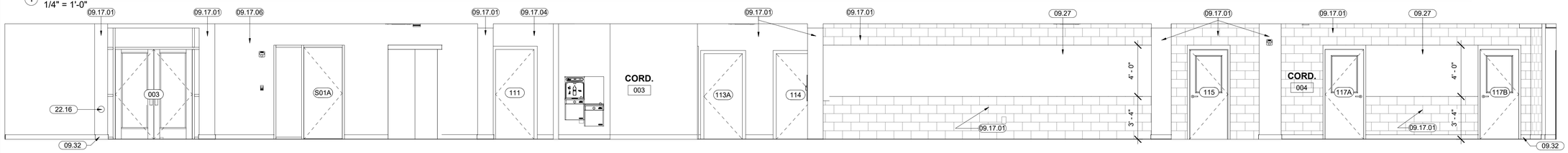
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-420	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 120 OF 302
	DRAWING NUMBER
	2024-1433
	FILE NO.: 8 REV. 03/22

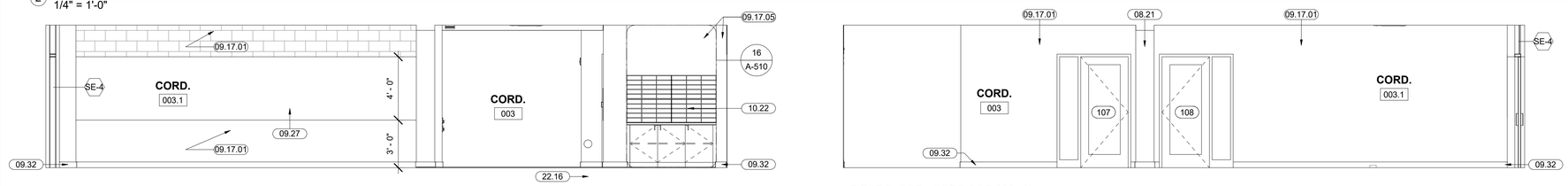
BALTIMORE COUNTY MARYLAND



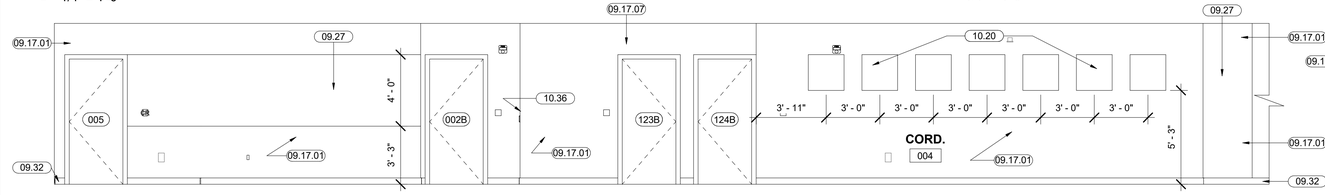
1 FIRST FLOOR - CORRIDOR 003 - W
1/4" = 1'-0"



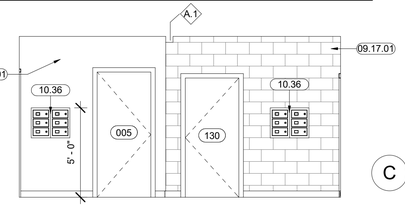
2 FIRST FLOOR - CORRIDOR 003 - E
1/4" = 1'-0"



3 FIRST FLOOR - CORRIDOR 003 - S
1/4" = 1'-0"

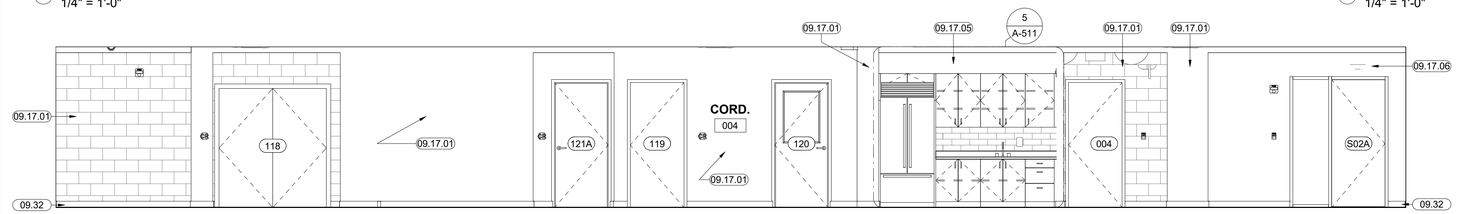


4 FIRST FLOOR - CORRIDOR 003 - N
1/4" = 1'-0"

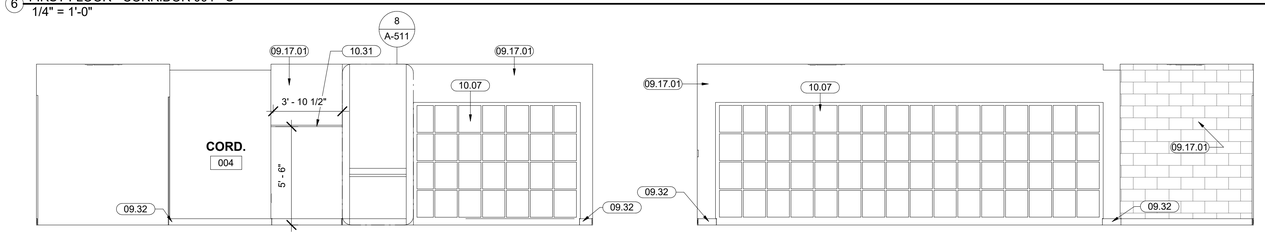


10 FIRST FLOOR - CORRIDOR 005 - S
1/4" = 1'-0"

5 FIRST FLOOR - CORRIDOR 004 - N
1/4" = 1'-0"

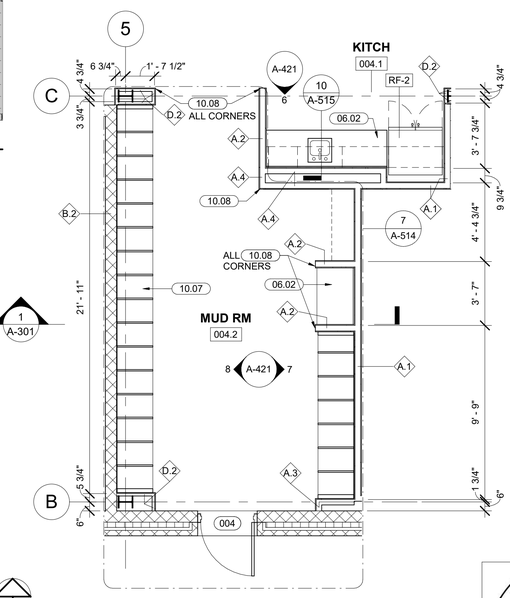


6 FIRST FLOOR - CORRIDOR 004 - S
1/4" = 1'-0"



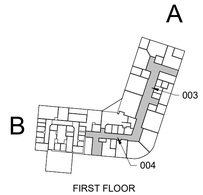
7 FIRST FLOOR - CORRIDOR 004 - E
1/4" = 1'-0"

8 FIRST FLOOR - CORRIDOR 004 - W
1/4" = 1'-0"



BUILDING NORTH

9 ENLARGED PLAN - MUD ROOM & KITCH
1/4" = 1'-0"



KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
08.21	FINISHED BULKHEAD.
09.17.01	PT-1.
09.17.04	PT-4.
09.17.05	PT-5.
09.17.06	PT-6.
09.17.07	PT-7.
09.27	BB-1, TACKABLE WALL COVERING.
09.32	4" RB-1.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.07	WELDED METAL LOCKERS, SEE A-500 SHEETS FOR DETAILS.
10.08	ALUM. CORNER GAURD, 4'-0" SEE WALL PROTECTION
10.20	PHOTO/ART. SEE SIGNAGE.
10.22	MAIL SORTER, N.I.C. SEE FF&E.
10.31	COAT HANGER ROD.
10.36	6 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
10.38	10 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
21.01	FIRE EXTINGUISHER CABINET.
22.16	ACCESS CAP. SEE PLUMBING CALL-OUT.
26.06	ELECTRIC & DATA WIREMOLD, SEE ELECTRICAL & TA.

C:\Users\ahay\Documents\22130A1 New Wilkens Police Precinct_ahayQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-6627 voice 717-845-3498 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:17:52 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

CORRIDOR PLAN AND ELEVATIONS - 1ST FLR

NEW BUILDING DESIGN

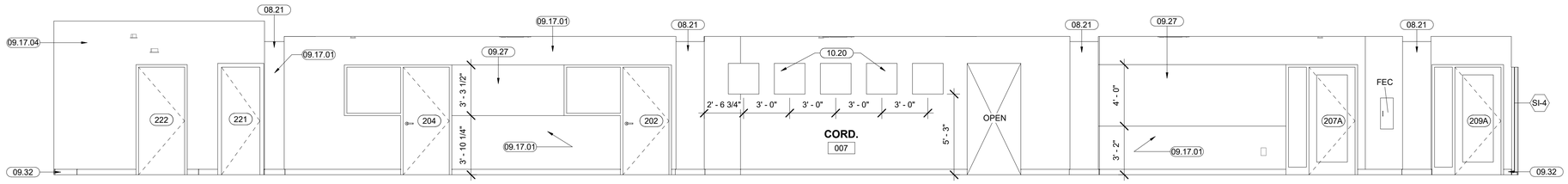
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

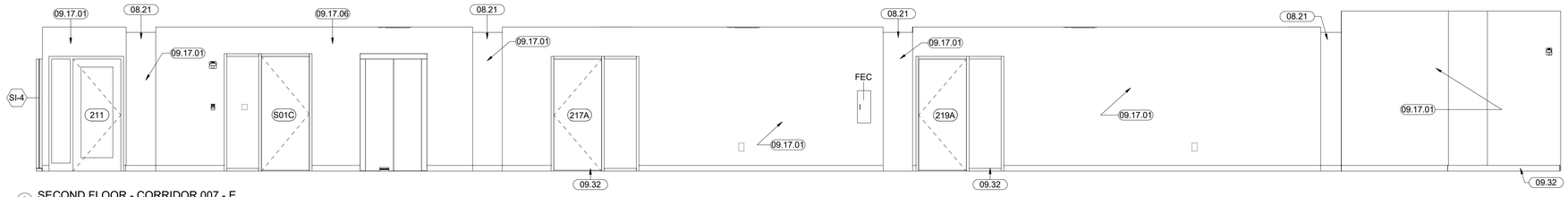
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-421	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 121 OF 302	
DRAWING NUMBER	2024-1434
FILE NO.: 8	REV: 03/02

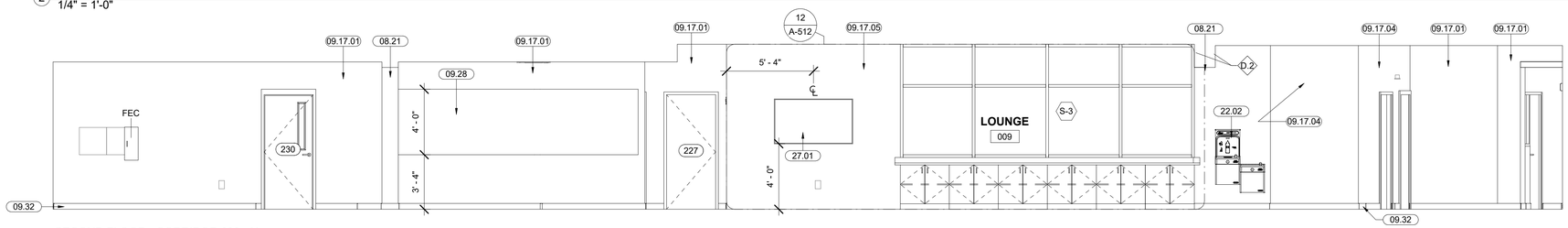
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.21	FINISHED BULKHEAD.
09.12	PLAM-1.
09.17.01	PT-1.
09.17.04	PT-4.
09.17.05	PT-5.
09.17.06	PT-6.
09.17.07	PT-7.
09.27	BB-1, TACKABLE WALL COVERING.
09.28	BB-2, TACKABLE WALL COVERING.
09.32	4" RB-1.
09.33	SSM-2.
10.20	PHOTO/ART. SEE SIGNAGE.
10.38	10 COMPARTMENT PISTOL LOCKER - FLUSH MOUNT.
22.02	DRINKING FOUNTAIN W/BOTTLE FILLER STATION - REFER TO PLUMBING DRAWINGS FOR DTL'S.
27.01	AV EQUIPMENT, SEE TA DWG'S.



1 SECOND FLOOR - CORRIDOR 007 - W
1/4" = 1'-0"



2 SECOND FLOOR - CORRIDOR 007 - E
1/4" = 1'-0"



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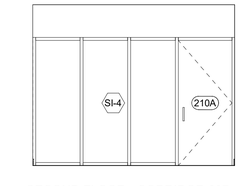
1/4" = 1'-0"



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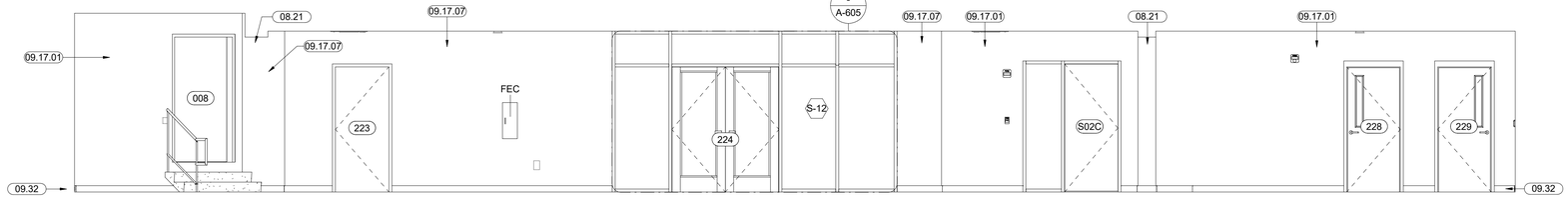
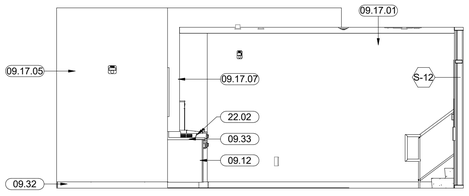
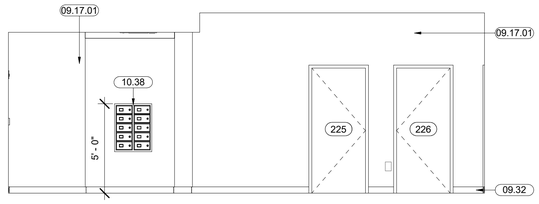
1/4" = 1'-0"



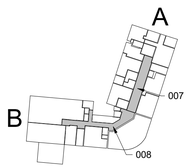
5 SECOND FLOOR - CORRIDOR 008 - S
1/4" = 1'-0"



6 SECOND FLOOR - CORRIDOR 008 - E
1/4" = 1'-0"



7 SECOND FLOOR - CORRIDOR 008 - W
1/4" = 1'-0"



SECOND FLOOR

C:\Users\jbay\Documents\2230A1 New Wilkens Police Precinct_dwgQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
FRANK ELWOOD DITTENHAFER, II
6607-A
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:17:55 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated	APPROVED BY:
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:	PROPERTY MANAGER
		CONTRACT COMPLETION BOX							DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DSN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

Murphy & Dittenhafer
ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4618 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6627 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-422	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 122 OF 302
	DRAWING NUMBER 2024-1435
	FILE NO.: 8 REV. 03/03

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

CORRIDOR PLAN AND ELEVATIONS - 2ND FLR

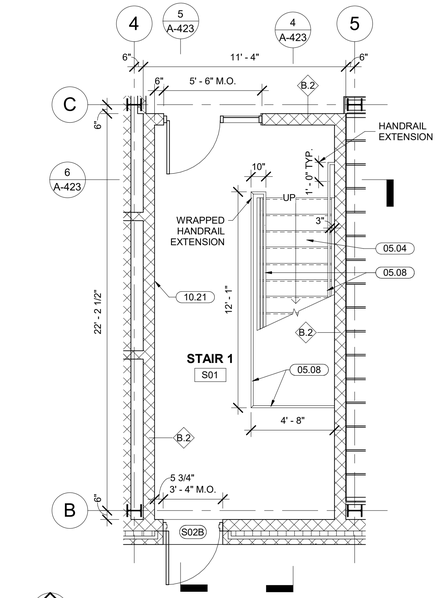
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

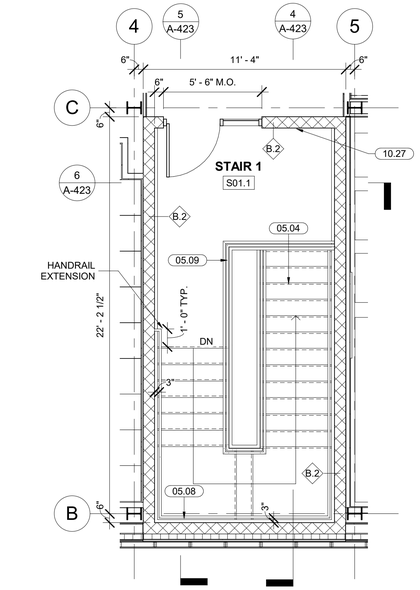
ELECTION DIST. NO.: 01C1

KEYNOTE LEGEND	
TAG	DESCRIPTION
05.04	MTL. STAIR.
05.08	MTL. RAILING.
05.09	MTL. RAILING & BALUSTERS.
07.13	PROVIDE PENETRATION FIRESTOPPING WHERE STEEL OR OTHER PENETRATES RATED WALL.
09.17.01	PT-1.
09.32	4" RB-1.
10.21	PHOTO WALL BY OWNER.
10.27	OWNER ART.



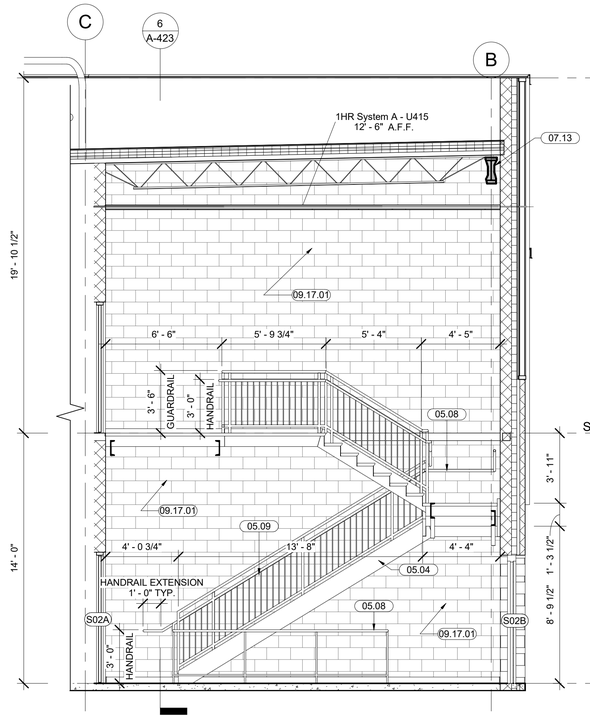
BUILDING NORTH

1 ENLARGED PLAN - FIRE STAIR 1 - FIRST FLOOR
1/4" = 1'-0"

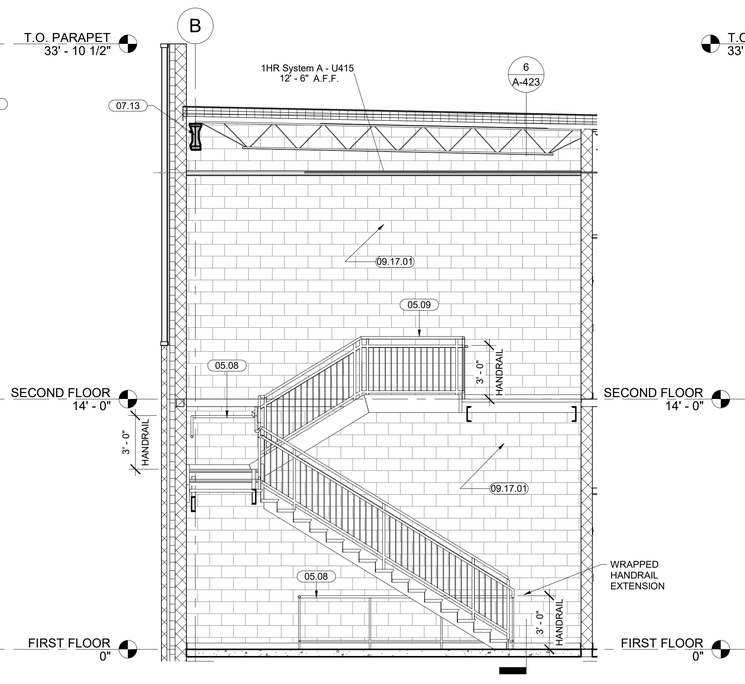


BUILDING NORTH

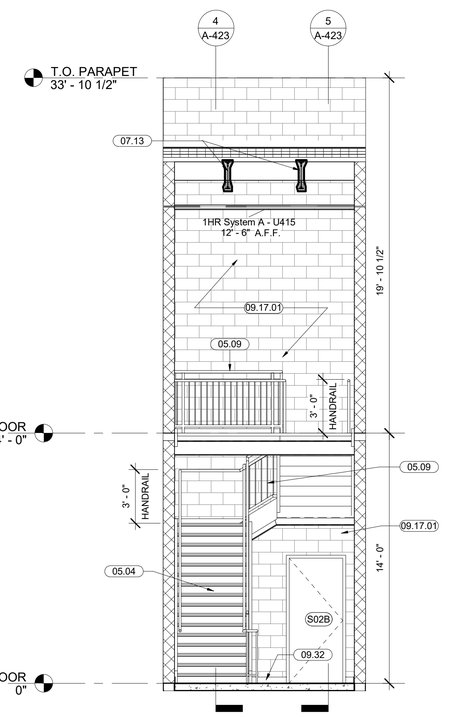
3 ENLARGED PLAN - FIRE STAIR 1 - SECOND FLOOR
1/4" = 1'-0"



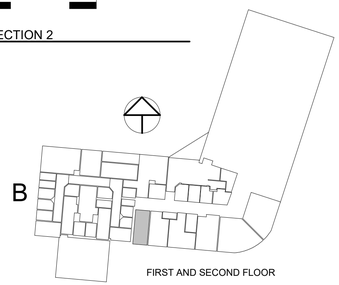
5 STAIR 1 - SECTION 1
1/4" = 1'-0"



4 STAIR 1 - SECTION 3
1/4" = 1'-0"



6 STAIR 1 - SECTION 2
1/4" = 1'-0"



FIRST AND SECOND FLOOR

C:\Users\dhay\Documents\2213041 New Wilkens Police Precinct_dhayRZANS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:17:58 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
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LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:		PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX								DATE:
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: RLM	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE STAIR 1 PLANS, SECTIONS, & DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

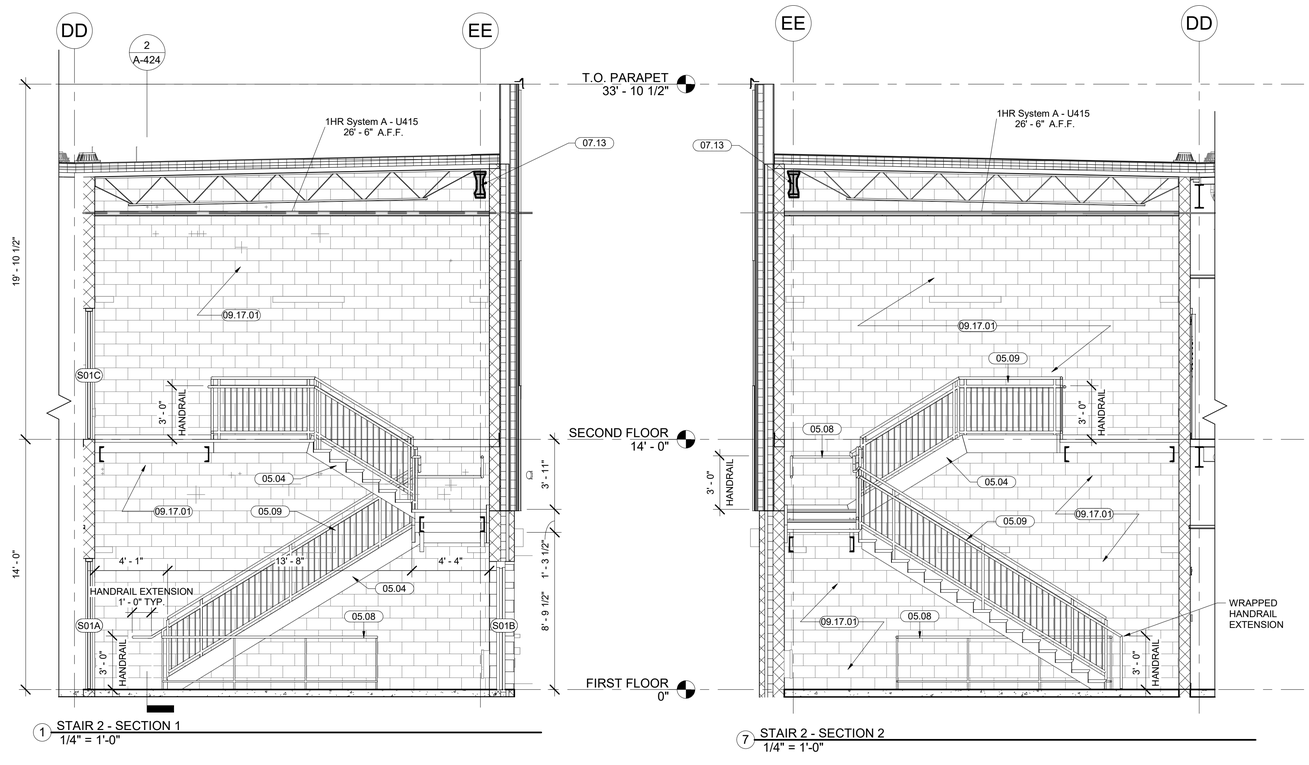
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

330 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4674 fax

224 West Market Street, York, Pennsylvania 17401
717-846-9807 voice 717-840-2486 fax

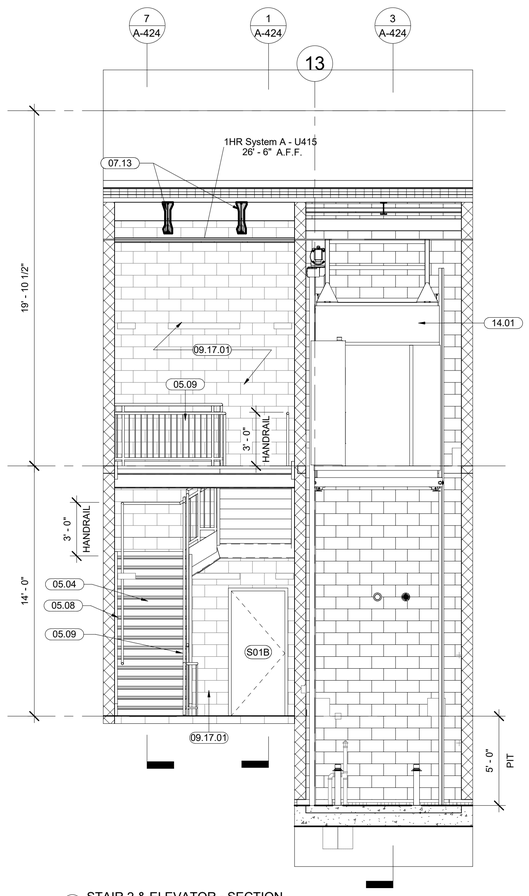
SHEET DESIGNATION	CONTRACT NUMBER
A-423	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 123 OF 302
	DRAWING NUMBER
	2024-1436
	FILE NO.: 8 REV 03/22



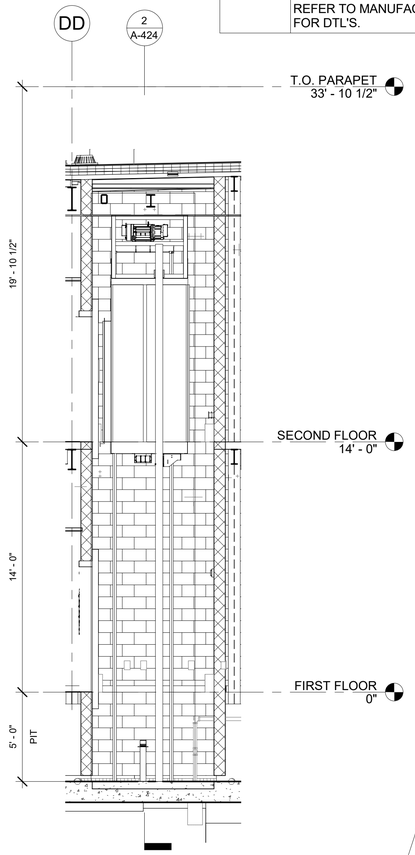
1 STAIR 2 - SECTION 1
1/4" = 1'-0"

7 STAIR 2 - SECTION 2
1/4" = 1'-0"

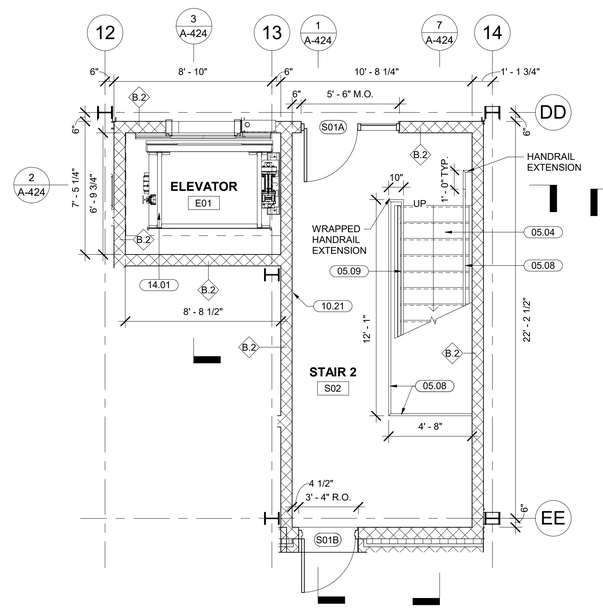
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.04	MTL. STAIR.
05.08	MTL. RAILING.
05.09	MTL. RAILING & BALUSTERS.
07.13	PROVIDE PENETRATION FIRESTOPPING WHERE STEEL OR OTHER PENETRATES RATED WALL.
09.17.01	PT-1.
10.21	PHOTO WALL BY OWNER.
14.01	PROVIDE AND INSTALL ELECTRIC TRACTION PASSENGER ELEVATOR. REFER TO MANUFACTURER DWG'S FOR DTL'S.



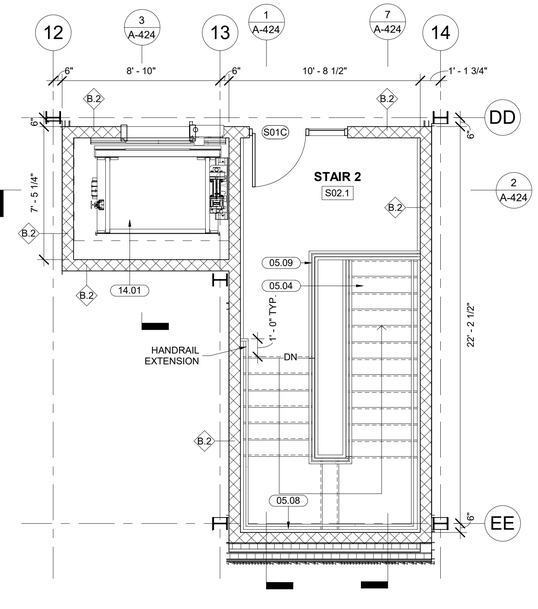
2 STAIR 2 & ELEVATOR - SECTION
1/4" = 1'-0"



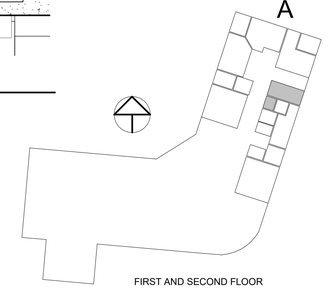
3 ELEVATOR SECTION
1/4" = 1'-0"



4 ENLARGED PLAN - FIRE STAIR 2 - FIRST FLOOR
1/4" = 1'-0"



5 ENLARGED PLAN - FIRE STAIR 2 - SECOND FLOOR
1/4" = 1'-0"



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SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER II
STATE OF MARYLAND
6/19/2025
DATE : 6/19/2025 1:18:11 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DSN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: DWG/ AWU	REVIEWED BY:							
CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE STAIR 2 PLANS, SECTIONS, & DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

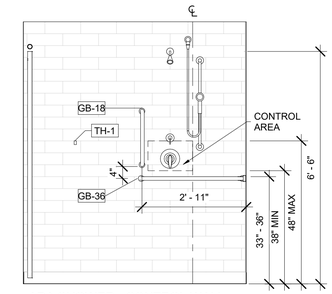
Murphy & Dittenhafer ARCHITECTS

205 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4618 fax

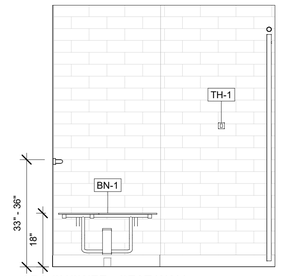
226 West Market Street, York, Pennsylvania 17401 717-845-6627 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-424	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 124 OF 302
	DRAWING NUMBER
	2024-1437
	FILE NO.: 8

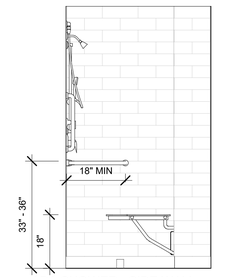
BALTIMORE COUNTY MARYLAND



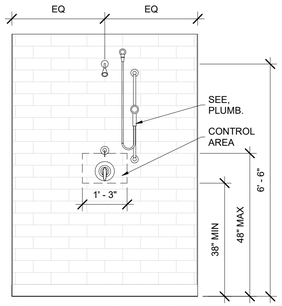
1 ADA SHOWER - CONTROL WALL
1/2" = 1'-0"



2 ADA SHOWER - SEAT WALL
1/2" = 1'-0"



3 ADA SHOWER - SIDE WALL
1/2" = 1'-0"



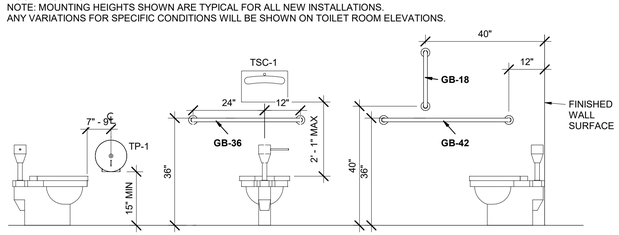
4 TYPICAL SHOWER - CONTROL WALL
1/2" = 1'-0"

TOILET ACCESSORIES SCHEDULE							
MARK	DESCRIPTION	MODEL NUMBER	MOUNTING	MOUNTING HEIGHT	FURNISHED BY	INSTALLED BY	BASIS OF DESIGN MFG. & COMMENTS
ADC-1	ADULT CHANGING STATION	KB3000-AHL	SURFACE	PER MFG REQUIREMENTS	CONTRACTOR	CONTRACTOR	Koala Kare - SEE 01 23 00 - ALTERNATES FOR ADD ALTERNATE #5
BN-1	SHOWER SEAT	APFSLR-320225 PTS	SURFACE	48" MAX TO TOP OF OPERABLE PART	CONTRACTOR	CONTRACTOR	ADA FOLD DOWN BENCH
CSR	SHOWER CURTAIN & ROD WITH CURTAIN HOOKS	#204 & B6107 Series	SUSPENDED	72" PER INSTALLATION INSTRUCTIONS	CONTRACTOR	CONTRACTOR	Bobrick, Satin Finish
DC-1	BABY CHANGING STATION	KB300-SS	SURFACE	34" MAX TO OPEN WORK SURFACE	CONTRACTOR	CONTRACTOR	Koala Kare
EHD	ELECTRIC HAND DRYER	XL-SB-1.1N-110-120V	SURFACE	48" MAX TO OF OPERABLE PART	CONTRACTOR	CONTRACTOR	Excel-dryer
GB-18,36,42	ADA GRAB BARS	B-6806 x size	SURFACE	3'-0" MAX TO TOP OF BAR	CONTRACTOR	CONTRACTOR	SEE ELVATIONS FOR TYPE AND SIZE
MB-1	MOP HANGER	B-224 x 36	SURFACE	72" TO TOP	CONTRACTOR	CONTRACTOR	Bobric - Shelf with Mop and Broom Holders and Rag Hook
MR	MIRROR	PER 08 83 00	SURFACE	40" MAX TO BOTTOM OF GLASS	CONTRACTOR	CONTRACTOR	SEE SPECIICATIONS AND ELEVATIONS
SD-1	SOAP DISPENSER	#9034	SURFACE	44" TO OPERABLE PART	CONTRACTOR	CONTRACTOR	Gojo
SN-1	SANITARY NAPKIN DISPOSAL	#6140	SURFACE	19" TO OPENING	CONTRACTOR	CONTRACTOR	Rubbermaid
TD-1	PAPER TOWEL DISPENSER	#46253	SURFACE	48" MAX TO OF OPERABLE PART	CONTRACTOR	CONTRACTOR	Scotts Essential
TH-1	COAT / GARMET HOOK	#B-9541	SURFACE	48" MAX TO OF OPERABLE PART	CONTRACTOR	CONTRACTOR	Bobrick, Satin Finish
TP-1	TOILET PAPER DISPENSER	PFTRD002601	SURFACE	15" MIN TO DISPENSER OUTLET	CONTRACTOR	CONTRACTOR	Jumbo Toilet Paper Dispenser SCA 56TR or Single Jumbo Roll Advantage
TSC-1	TOILET SEAT COVER DISPENSER	TSC-10	SURFACE	2'-1" MAX TO TOP OF TOILET	CONTRACTOR	CONTRACTOR	Winco
WR-1	WASTE RECEPTACLE	# H-1197BL	FLOOR	-	CONTRACTOR	CONTRACTOR	Rubbermaid 25 gallon domed trash can with push-top

NOTES:

1. SEE SPEC FOR ADDITIONAL INFORMATION ON TOILET ACCESSORIES MANUFACTURER
2. QUANTITIES ARE TO BE TAKE OFF ELEVATIONS ON A-426, A-427, A-428, A-429.
3. MB-1 IS LOCATED IN RMS 131 & 225, ONE IN EACH.
4. SEE A620 FOR DETENTION EQUIPMENT LOCATIONS AND SCHEDULE
5. INSTALL SOLID WOOD BLOCKING IN STUD WALLS FOR ACCESSORIES AS NOTED BY MFR.

MOUNTING HEIGHTS:
NOTE: MOUNTING HEIGHTS SHOWN ARE TYPICAL FOR ALL NEW INSTALLATIONS.
ANY VARIATIONS FOR SPECIFIC CONDITIONS WILL BE SHOWN ON TOILET ROOM ELEVATIONS.

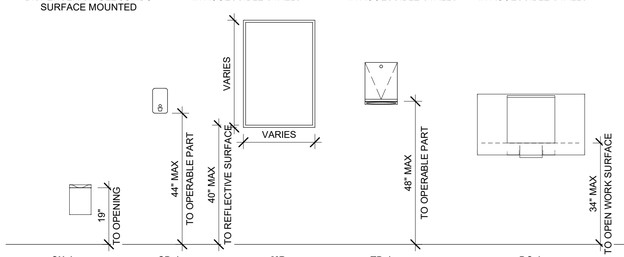


TP-1
TOILET TISSUE DISPENSER SINGLE JUMBO SURFACE MOUNTED

GB-36
GRAB BAR - REAR WALL IN ACCESSIBLE STALLS

GB-42
GRAB BARS - SIDE WALL IN ACCESSIBLE STALLS

GB-18
GRAB BARS - SIDE WALL IN ACCESSIBLE STALLS



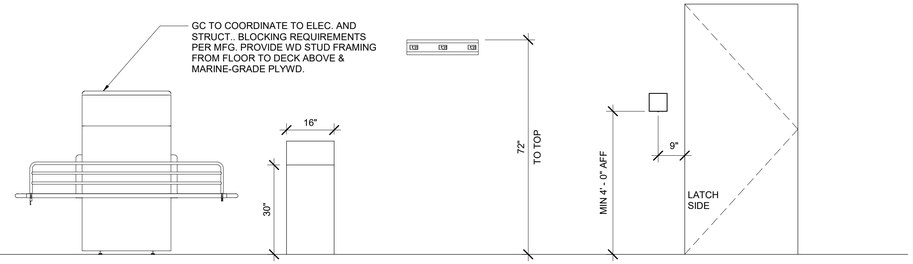
SN-1
SANITARY NAPKIN DISPOSAL (SND) SURFACE MOUNTED

SD-1
SOAP DISPENSER WALL MOUNTED

MR
LAVATORY MIRROR WALL MOUNTED

TD-1
PAPER TOWEL DISPENSER WALL MOUNTED

DC-1
BABY CHANGING STATION WALL MOUNTED



ADC-1 (ADD ALTERNATE #5)
ADULT CHANGING TABLE
FLOOR / WALL MOUNTED
PROVIDE BLOCKING FOR FUTURE ADC-1

WR-1
WASTE RECEPTACLE

MH
BROOM / MOP HOLDER SURFACE MOUNTED

M
BABY CHANGING ROOM SIGN

N
ADULT CHANGING ROOM SIGN

TOILET ACCESSORIES MOUNTING HEIGHT
1/2" = 1'-0"

C:\Users\dwp\Documents\223 9\01 New Wilkens Police Precinct_dwpQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER II — 6607-A — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:18:13 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027			
	R.O.W NO.		
	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TOILET ACCESSORIES DIAGRAMS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

305 North Charles Street, Baltimore, Maryland 21201
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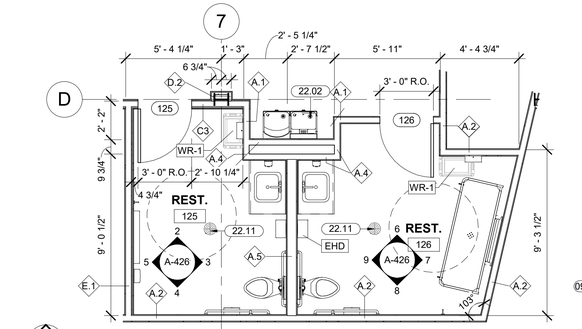
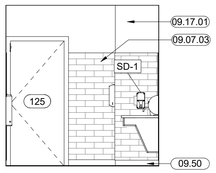
224 West Market Street, York, Pennsylvania 17401
717-848-3827 voice 717-840-2449 fax

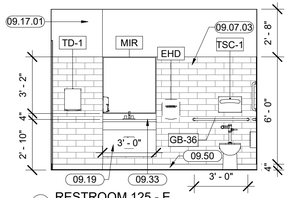
SHEET DESIGNATION	CONTRACT NUMBER
A-425	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 125 OF 302
	DRAWING NUMBER
	2024-1438
	FILE NO.: 8 REV. 10/22



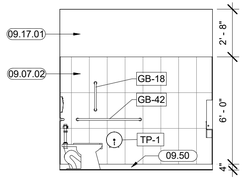
1 ENLARGED PLAN - LOBBY RESTROOMS
1/4" = 1'-0"



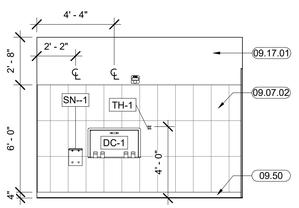
2 RESTROOM 125 - N
1/4" = 1'-0"



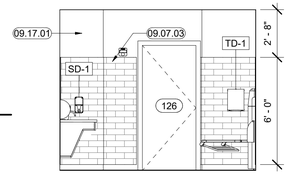
3 RESTROOM 125 - E
1/4" = 1'-0"



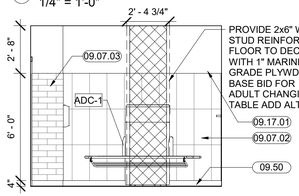
4 RESTROOM 125 - S
1/4" = 1'-0"



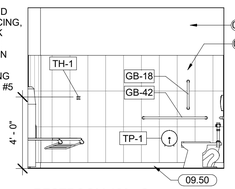
5 RESTROOM 125 - W
1/4" = 1'-0"



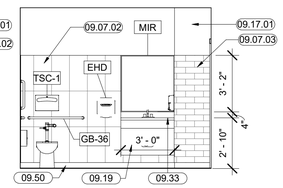
6 RESTROOM 126 - N
1/4" = 1'-0"



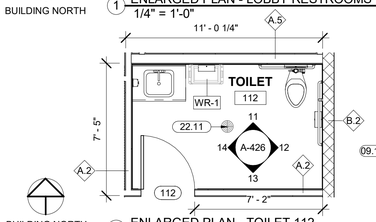
7 RESTROOM 126 - E
1/4" = 1'-0"



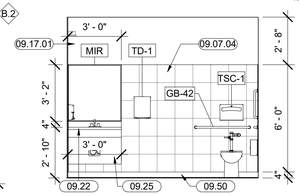
8 RESTROOM 126 - S
1/4" = 1'-0"



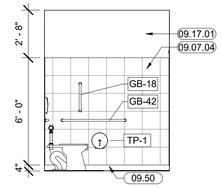
9 RESTROOM 126 - W
1/4" = 1'-0"



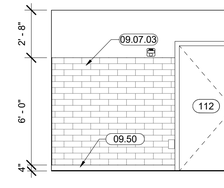
10 ENLARGED PLAN - TOILET 112
1/4" = 1'-0"



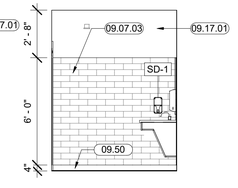
11 TOILET 112 - N
1/4" = 1'-0"



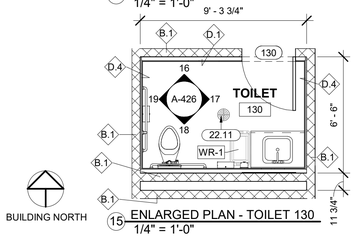
12 TOILET 112 - E
1/4" = 1'-0"



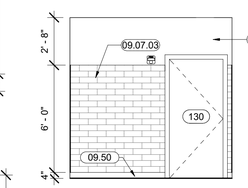
13 TOILET 112 - S
1/4" = 1'-0"



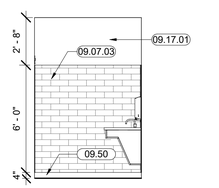
14 TOILET 112 - W
1/4" = 1'-0"



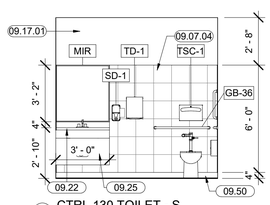
15 ENLARGED PLAN - TOILET 130
1/4" = 1'-0"



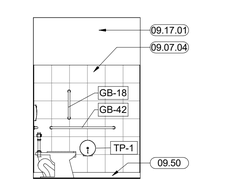
16 CTRL 130 TOILET - N
1/4" = 1'-0"



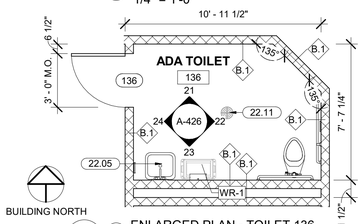
17 CTRL 130 TOILET - E
1/4" = 1'-0"



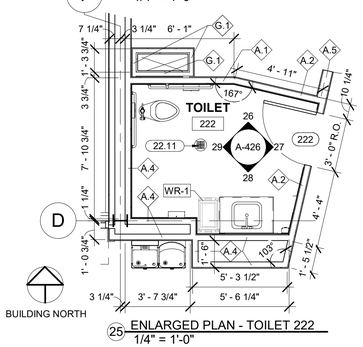
18 CTRL 130 TOILET - S
1/4" = 1'-0"



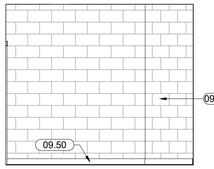
19 CTRL 130 TOILET - W
1/4" = 1'-0"



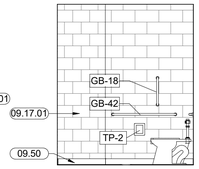
BUILDING NORTH
20 ENLARGED PLAN - TOILET 136
1/4" = 1'-0"



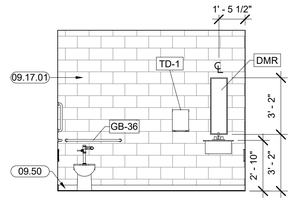
25 ENLARGED PLAN - TOILET 222
1/4" = 1'-0"



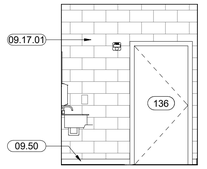
21 DETENTION ADA TOILET 136 - N
1/4" = 1'-0"



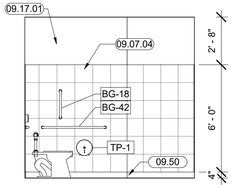
22 DETENTION ADA TOILET 136 - E
1/4" = 1'-0"



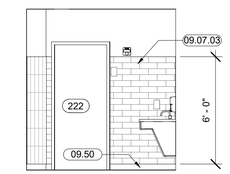
23 DETENTION ADA TOILET 136 - S
1/4" = 1'-0"



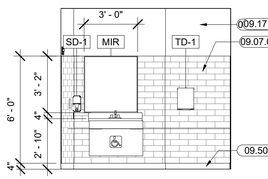
24 DETENTION ADA TOILET 136 - W
1/4" = 1'-0"



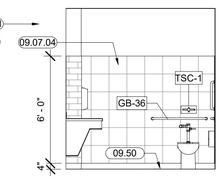
26 TOILET 222 - N
1/4" = 1'-0"



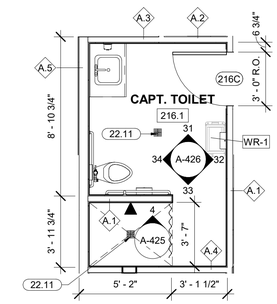
27 TOILET 222 - E
1/4" = 1'-0"



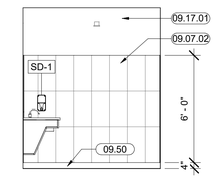
28 TOILET 222 - S
1/4" = 1'-0"



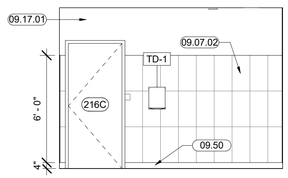
29 TOILET 222 - W
1/4" = 1'-0"



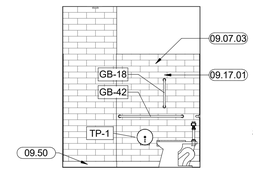
BUILDING NORTH
30 ENLARGED PLAN - CAPTAIN'S RESTROOM
1/4" = 1'-0"



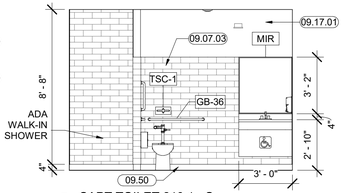
31 CAPT TOILET 216.1 - W
1/4" = 1'-0"



32 CAPT TOILET 216.1 - N
1/4" = 1'-0"



33 CAPT TOILET 21601 - E
1/4" = 1'-0"



34 CAPT TOILET 216.1 - S
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.07.02	CT-2
09.07.03	CT-3
09.07.04	CT-4
09.17.01	PT-1.
09.19	PLAM-2.
09.22	SSM-5.
09.25	PLAM-5.
09.33	SSM-2.
09.50	INTEGRAL COVE POURED EPOXY BASE MATCHING FLOOR.
22.02	DRINKING FOUNTAIN W/BOTTLE FILLER STATION - REFER TO PLUMBING DRAWINGS FOR DTL'S.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.

C:\Users\dwg\Documents\223 9A11 New Wilkens Police Precinct_dwgQCAN8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:18:23 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027			
	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1/4" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN - RESTROOMS

NEW BUILDING DESIGN

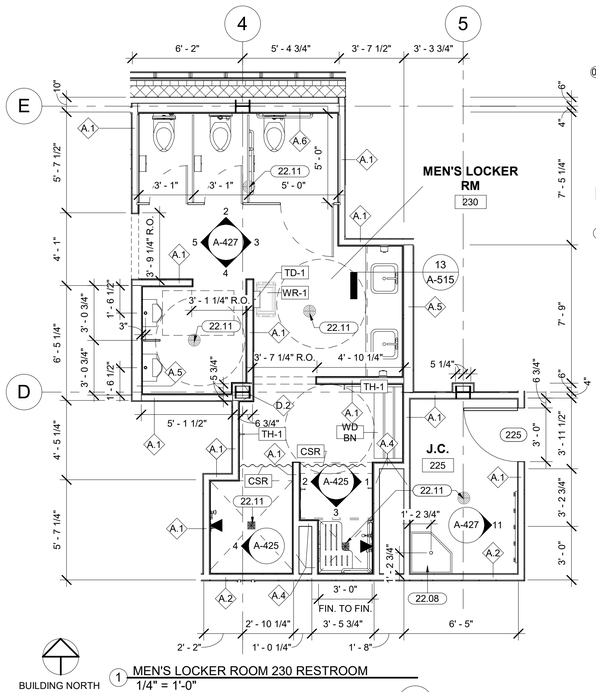
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

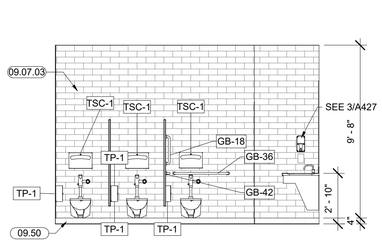
Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-9827 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-426	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 126 OF 302
	DRAWING NUMBER
	2024-1439
	FILE NO.: 8 REV. 09/22

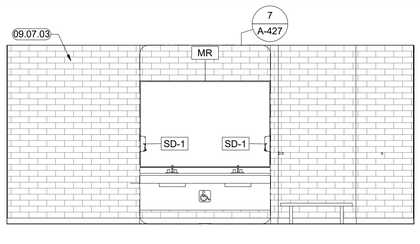


BUILDING NORTH

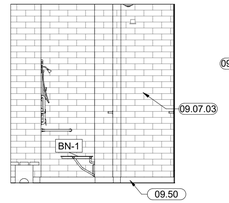
1 MEN'S LOCKER ROOM 230 RESTROOM
1/4" = 1'-0"



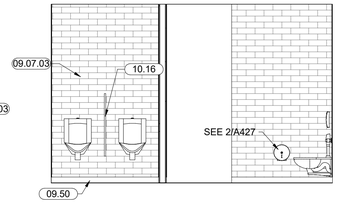
2 MEN'S LOCKER RESTROOM - N
1/4" = 1'-0"



3 MEN'S LOCKER RESTROOM - E
1/4" = 1'-0"

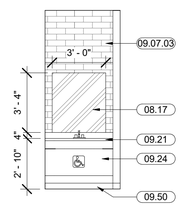


4 MEN'S LOCKER RESTROOM - S
1/4" = 1'-0"

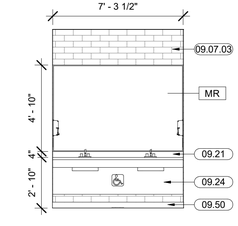


5 MEN'S LOCKER RESTROOM - W
1/4" = 1'-0"

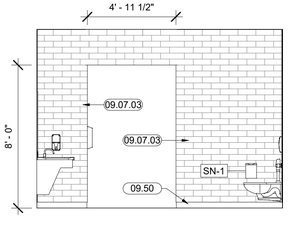
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.17	MIRROR.
09.07.03	CT-3
09.17.01	PT-1.
09.21	SSM-4.
09.24	PLAM-4.
09.50	INTEGRAL COVE POURED EPOXY BASE MATCHING FLOOR.
10.16	URINAL SCREEN.
22.08	MOP SINK.
22.11	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.



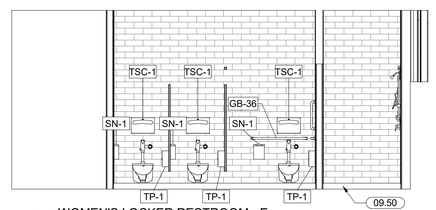
6 MEN'S LOCKER RM - S - CASEWORK
1/4" = 1'-0"



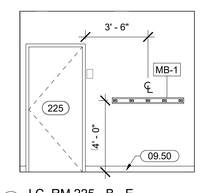
7 MEN'S LOCKER RESTROOM - E - CASEWORK
1/4" = 1'-0"



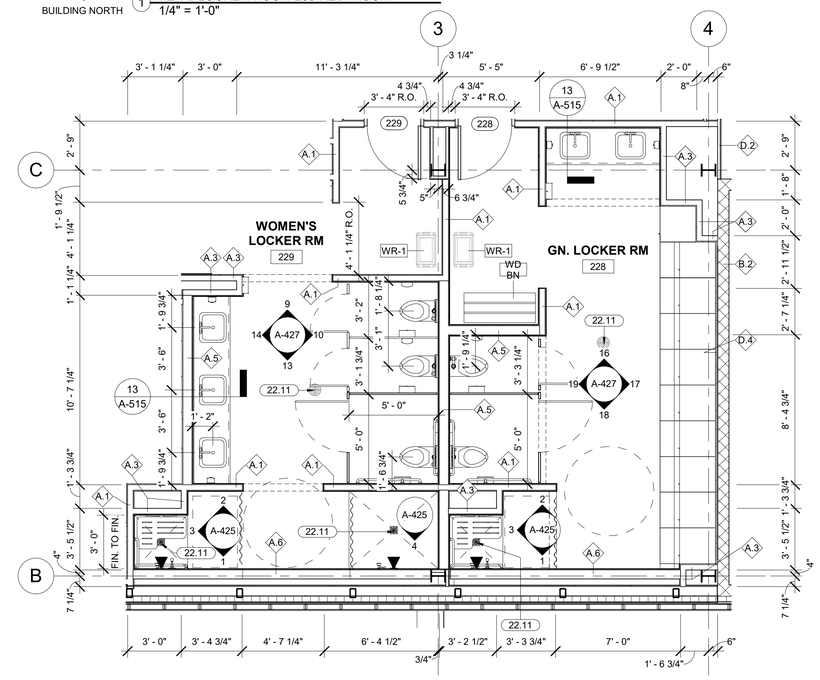
9 WOMEN'S LOCKER RESTROOM - N
1/4" = 1'-0"



10 WOMEN'S LOCKER RESTROOM - E
1/4" = 1'-0"

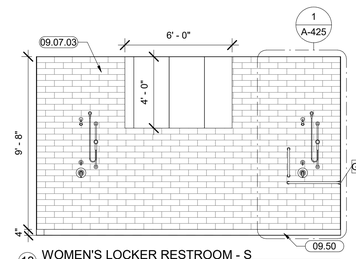


11 J.C. RM 225 - B - E
1/4" = 1'-0"

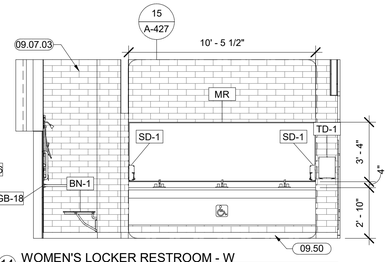


BUILDING NORTH

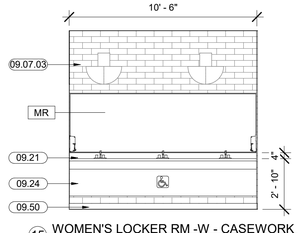
RESTROOMS @ WOMEN'S LOCKER RM & GEND. LOCKER RM.
12 1/4" = 1'-0"



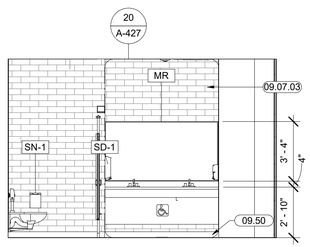
13 WOMEN'S LOCKER RESTROOM - S
1/4" = 1'-0"



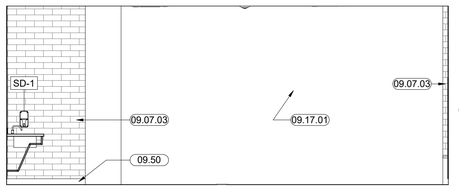
14 WOMEN'S LOCKER RESTROOM - W
1/4" = 1'-0"



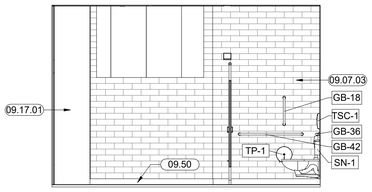
15 WOMEN'S LOCKER RM -W - CASEWORK
1/4" = 1'-0"



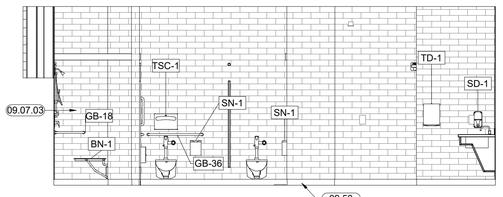
16 GEN. NEUTRAL LOCKER RESTROOM - N
1/4" = 1'-0"



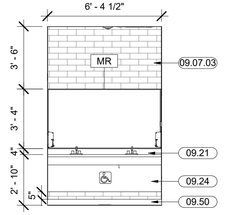
17 GEN. NEUTRAL LOCKER RM - E
1/4" = 1'-0"



18 GEN. NEUTRAL LOCKER RESTROOM - S
1/4" = 1'-0"



19 GEN. NEUTRAL LOCKER RESTROOM - W
1/4" = 1'-0"



20 GEN. NEUTRAL LOCKER RM -N - CASEWORK
1/4" = 1'-0"

C:\Users\ahug\Documents\22130A1 New Wilkens Police Precinct_ahugQCNS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4822 voice 410-625-4832 fax
224 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2488 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A
FRANK ELWOOD DITTENHAFER, II
STATE OF MARYLAND
6/19/2025

DATE : 6/19/2025 1:18:30 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1/4" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLAN - RESTROOMS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

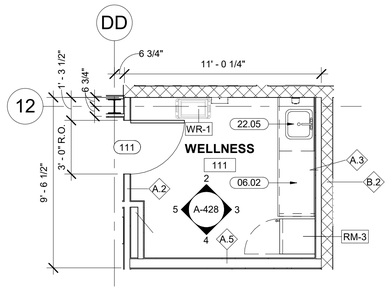
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

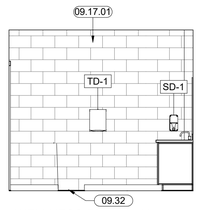
SHEET DESIGNATION	CONTRACT NUMBER
A-427	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 127 OF 302
	DRAWING NUMBER
	2024-1440
	FILE NO.: 8 REV: 03/22

BALTIMORE COUNTY MARYLAND

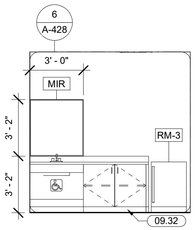
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
09.17.01	PT-1.
09.17.04	PT-4.
09.20	SSM-3.
09.24	PLAM-4.
09.32	4" RB-1.
11.09	UNDER COUNTER REF.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.



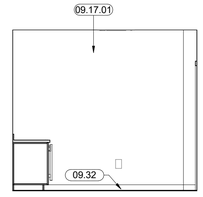
1 ENLARGED PLAN - WELLNESS RM 111
1/4" = 1'-0"



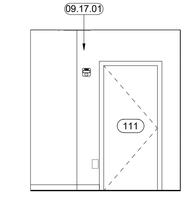
2 WELLNESS RM 111 - N
1/4" = 1'-0"



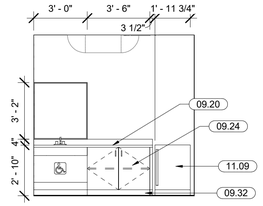
3 WELLNESS RM 111 - E
1/4" = 1'-0"



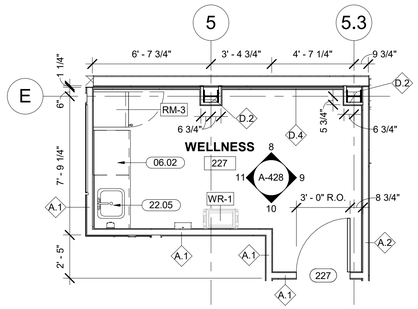
4 WELLNESS RM 111 - S
1/4" = 1'-0"



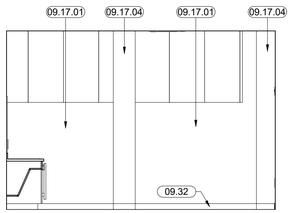
5 WELLNESS RM 111 - W
1/4" = 1'-0"



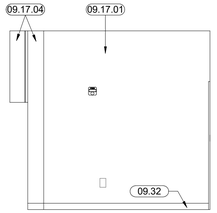
6 WELLNESS RM 111 - E - CASEWORK
1/4" = 1'-0"



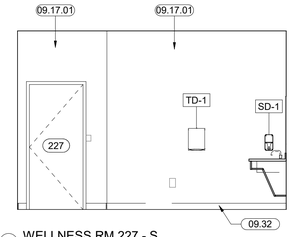
7 ENLARGED PLAN - WELLNESS RM 227
1/4" = 1'-0"



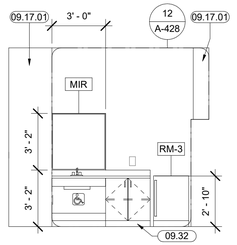
8 WELLNESS RM 227 - N
1/4" = 1'-0"



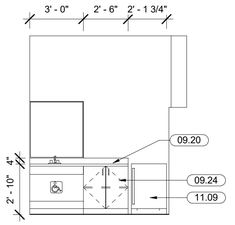
9 WELLNESS RM 227 - E
1/4" = 1'-0"



10 WELLNESS RM 227 - S
1/4" = 1'-0"



11 WELLNESS RM 227 - W
1/4" = 1'-0"



12 WELLNESS RM 227 - W - CASEWORK
1/4" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:18:35 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1/4" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS - WELLNESS ROOMS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

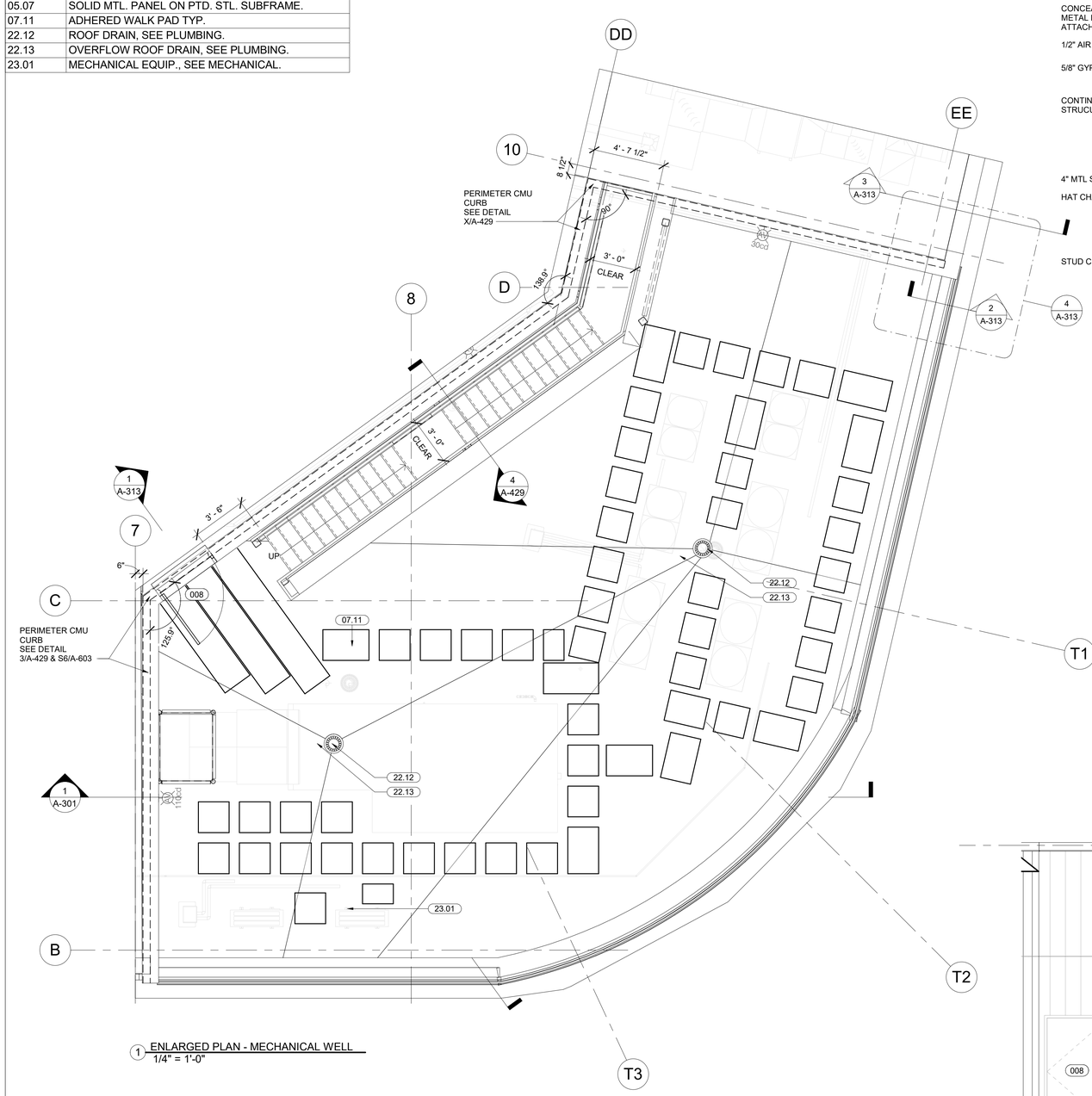
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

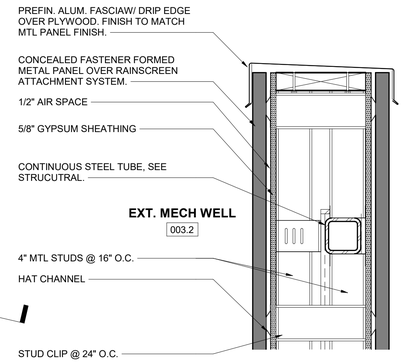
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-3827 voice 717-840-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-428	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 128 OF 302
	DRAWING NUMBER
	2024-1441
	FILE NO.: 8 REV. 03/22

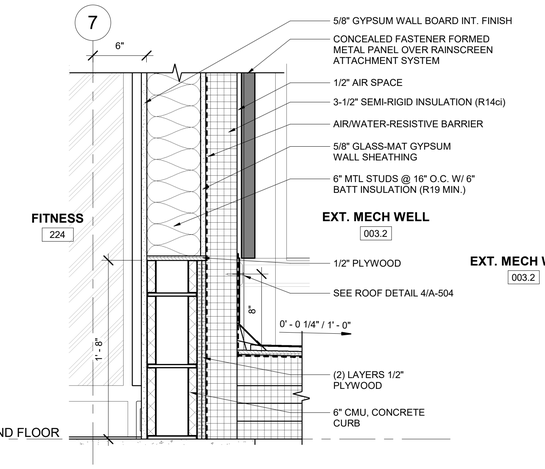
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.07	SOLID MTL. PANEL ON PTD. STL. SUBFRAME.
07.11	ADHERED WALK PAD TYP.
22.12	ROOF DRAIN, SEE PLUMBING.
22.13	OVERFLOW ROOF DRAIN, SEE PLUMBING.
23.01	MECHANICAL EQUIP., SEE MECHANICAL.



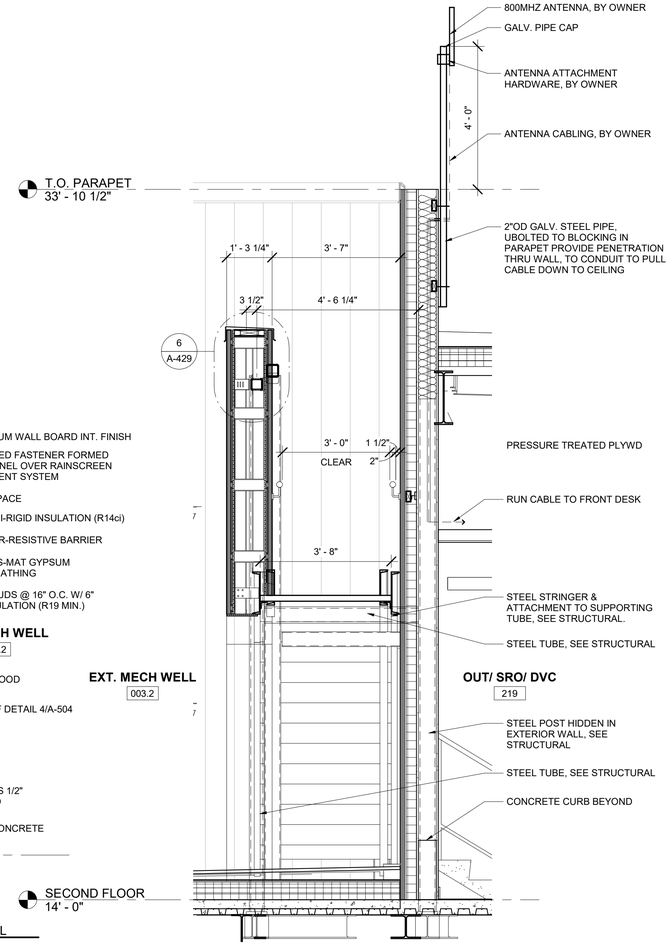
1 ENLARGED PLAN - MECHANICAL WELL
1/4" = 1'-0"



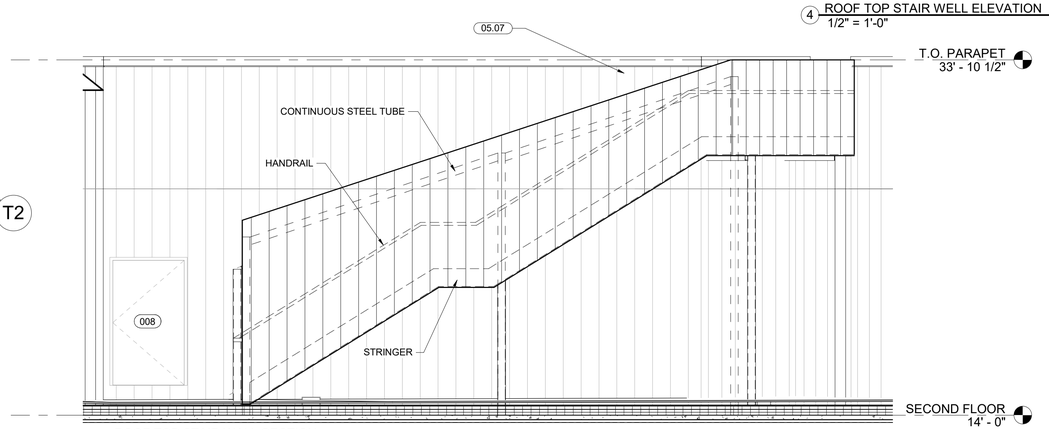
6 ROOF TOP STAIR WELL ELEVATION - Callout 1
1 1/2" = 1'-0"



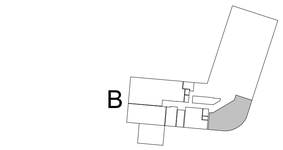
3 PERIMETER CMU CURB @ MECHANICAL WELL
1 1/2" = 1'-0"



4 ROOF TOP STAIR WELL ELEVATION
1/2" = 1'-0"



2 ROOF TOP STAIR WALL SECTION
1/4" = 1'-0"



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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A STATE OF MARYLAND FRANK ELWOOD DITTENHAFER II 6/19/2025

DATE : 6/19/2025 1:18:38 PM

PROFESSIONAL CERTIFICATION											
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.											
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027											
ARCHITECT: Frank Elwood Dittenhafer, II	DSN BY: JAT										
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU										
BY: DATE:	CHKD BY: RLM										

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS - ROOF AREAS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

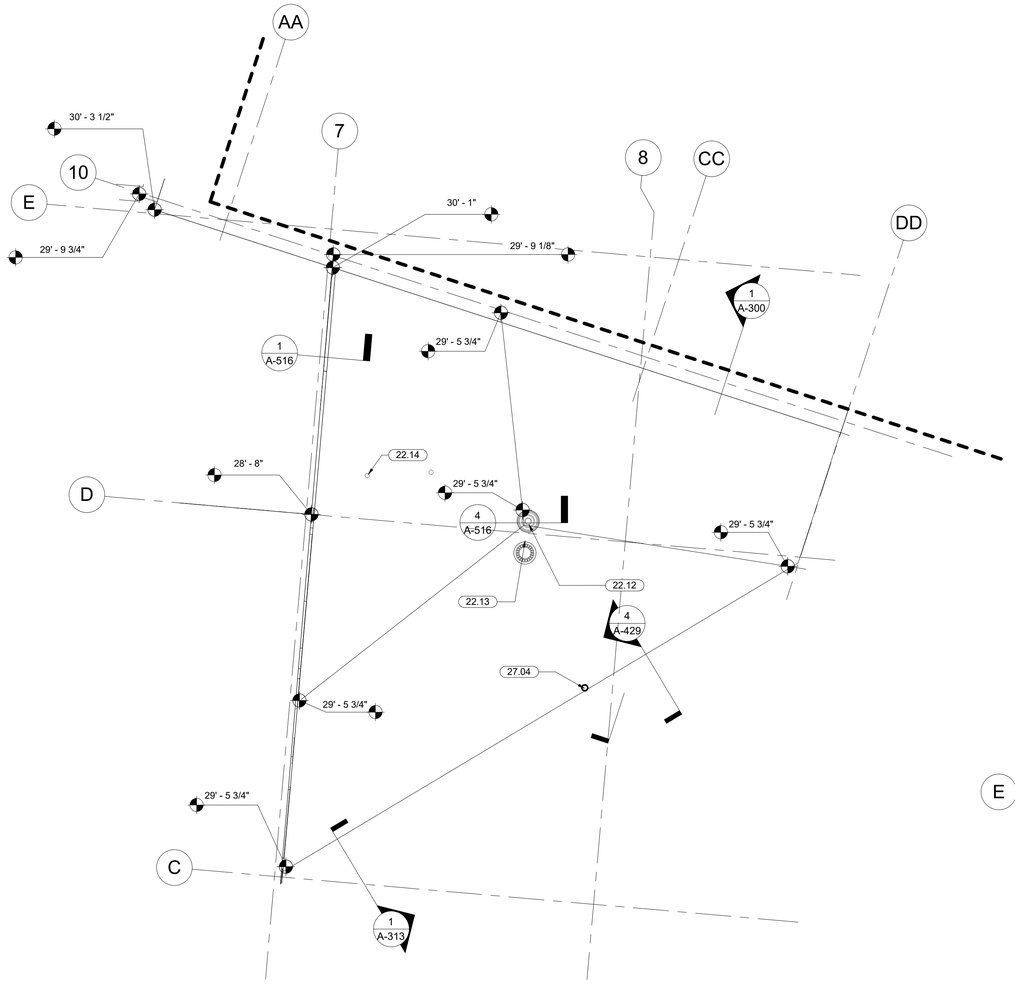
Murphy & Dittenhafer ARCHITECTS

205 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4619 fax

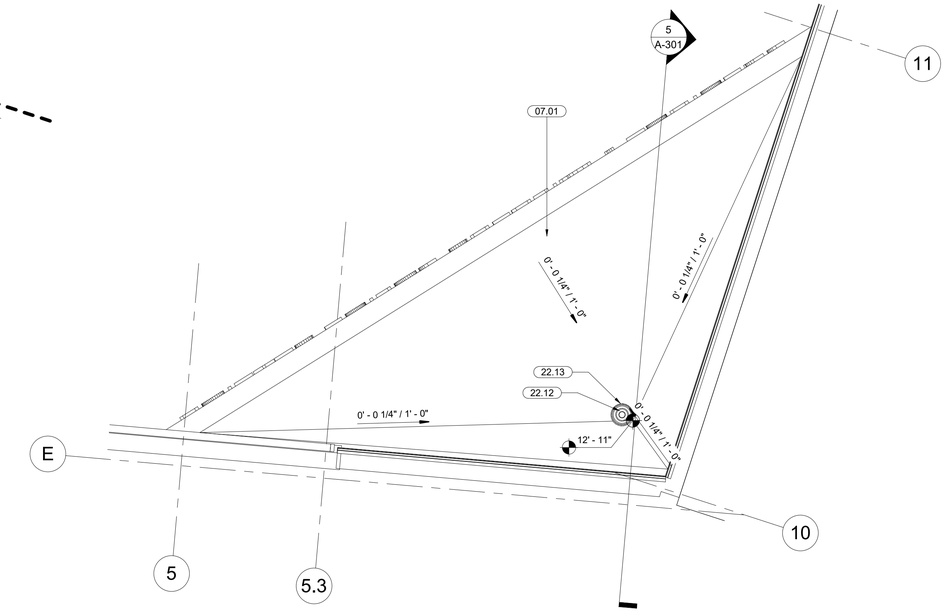
226 West Market Street, York, Pennsylvania 17401 717-845-6627 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-429	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 129 OF 302
	DRAWING NUMBER
	2024-1442
	FILE NO.: 8 REV: 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
22.12	ROOF DRAIN, SEE PLUMBING.
22.13	OVERFLOW ROOF DRAIN, SEE PLUMBING.
22.14	SAN. VENT, SEE PLUMBING.
27.04	OWNER-PROVIDED 800mHz ROOFTOP ANTENNA. CONTRACTOR TO PROVIDE 2" OD GALV PIPE MAST w/ CAP MOUNTED TO BLOCKING IN PARAPET PER ANTENNA MFG REQ. EXTENDING 4' ABOVE TOP OF PARAPET, AND 4" CONDUIT FROM PARAPET TO IT ROOM 223.



1 ENLARGED ROOF AREA W/ TAPERED INSULATION
1/4" = 1'-0"



2 VESTIBULE ROOF PLAN
1/4" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:18:39 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	15SW19 15SW20	PROFILE SCALE:	PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX							DATE:
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BY: DATE:	CHKD BY: RLM	REVIEWED BY:							
		DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ENLARGED PLANS - ROOF AREAS

NEW BUILDING DESIGN

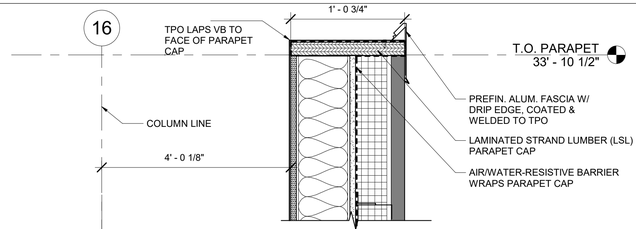
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

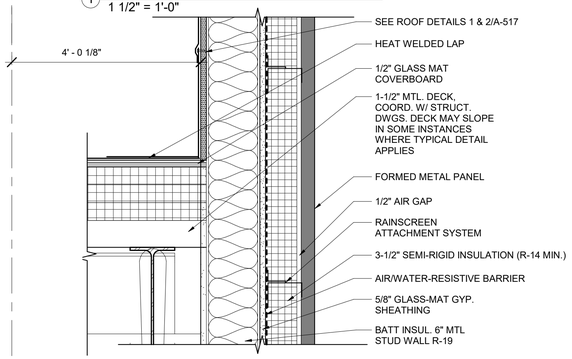
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
309 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

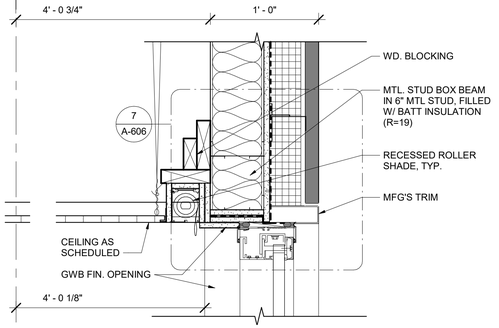
SHEET DESIGNATION	CONTRACT NUMBER
A-430	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 130 OF 302
	DRAWING NUMBER
	2024-1443
	FILE NO.: 8 REV. 03/22



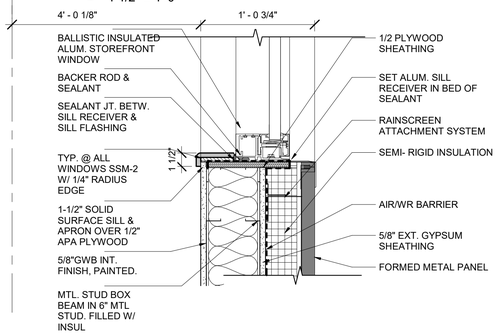
TYPICAL PARAPET COPING DETAIL @ MTL STUD & FORMED METAL PANEL
1 1 1/2" = 1'-0"



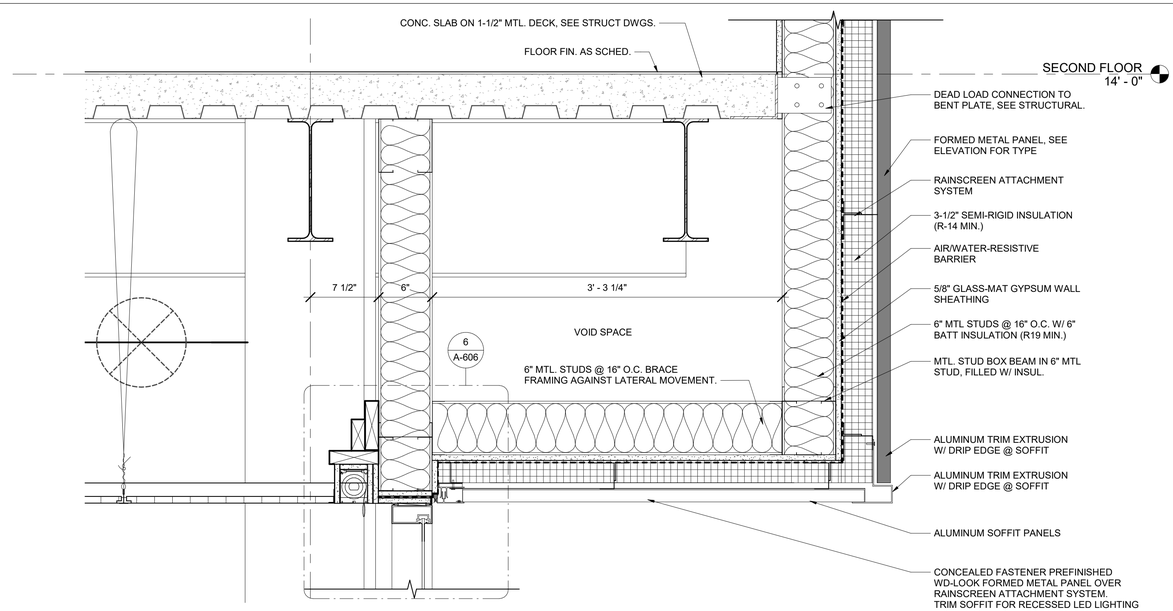
TYPICAL PARAPET ROOF DETAIL @ MTL STUD & FORMED METAL PANEL
2 1 1/2" = 1'-0"



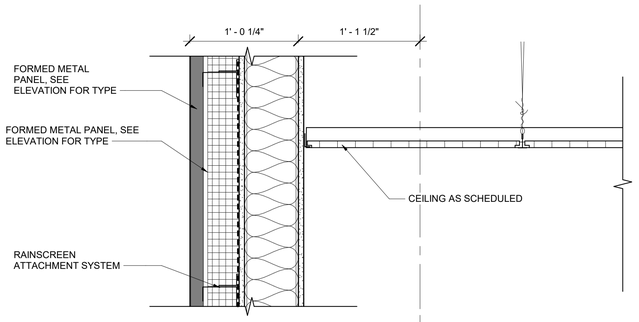
TYPICAL WINDOW HEAD DETAIL @ MTL STUD & FORMED METAL PANEL
3 1 1/2" = 1'-0"



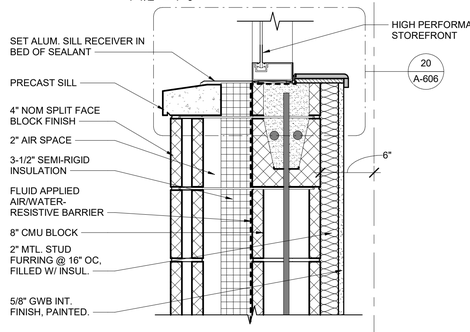
TYPICAL WINDOW SILL DETAIL @ MTL STUD & FORMED METAL PANEL
4 1 1/2" = 1'-0"



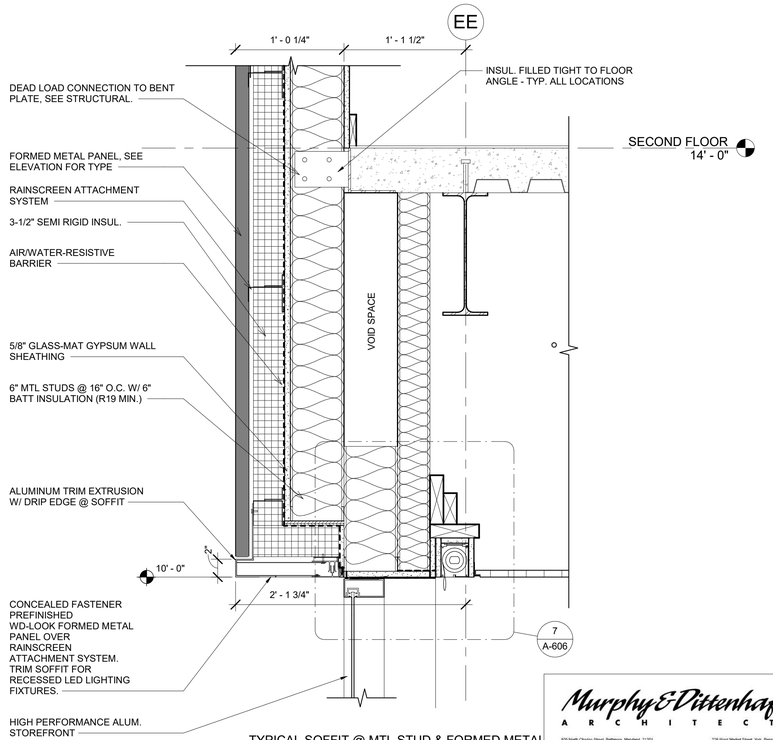
TYPICAL CANTILEVER & SOFFIT @ MTL. STUD & FORMED METAL PANEL
5 1 1/2" = 1'-0"



TYPICAL FORMED METAL PANEL DETAIL @ METAL STUD & FORMED METAL PANEL WALL
6 1 1/2" = 1'-0"



TYPICAL RIBON WINDOW SILL DETAIL @ BLOCK WALL
7 1 1/2" = 1'-0"



TYPICAL SOFFIT @ MTL STUD & FORMED METAL PANEL
8 1 1/2" = 1'-0"

C:\Users\dwg\Documents\22190A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
826 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-8827 voice 717-846-2449 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD, 6607-A, FRANK ELWOOD DITTENHAFER II, STATE OF MARYLAND, 6/19/2025
DATE : 6/19/2025 1:18:42 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.: R.O.W NO.
KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: 1 1/2" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: JAT	DWN BY: DWG/ AWU	CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXTERIOR SECTION DETAILS

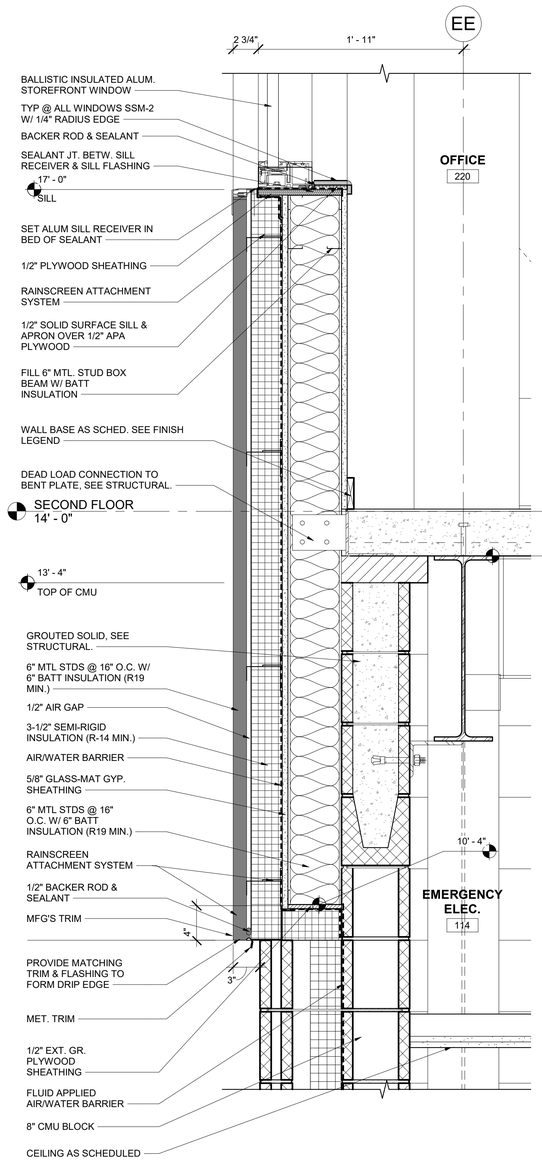
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

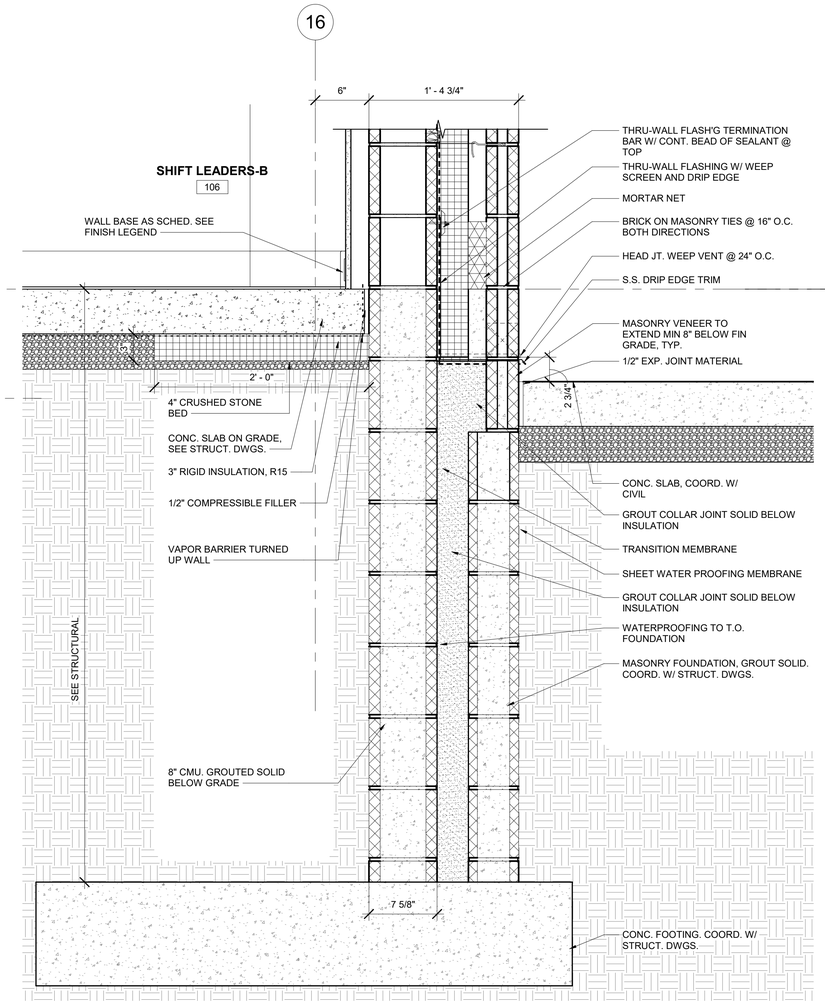
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

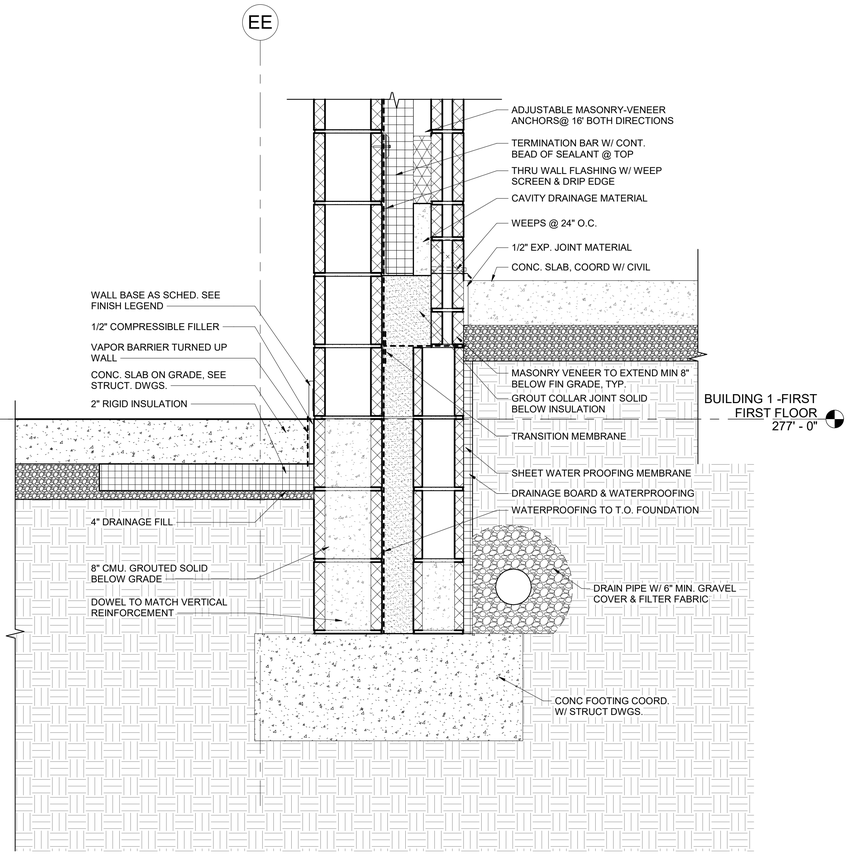
SHEET DESIGNATION	CONTRACT NUMBER
A-500	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 131 OF 302
	DRAWING NUMBER
	2024-1444
	FILE NO.: 8 REV: 0002



1 OFFICE FORMED MTL. PANEL SCREEN WALL
1 1/2" = 1'-0"



2 TYPICAL CMU FOUNDATION DETAIL, BELOW OR @ GRADE
1 1/2" = 1'-0"



3 TYPICAL CMU FOUNDATION DETAIL, WHERE EXTERIOR GRADE IS ABOVE FINISHED FLOOR
1 1/2" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:18:43 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19	PLAN SCALE: 1 1/2" = 1'-0"	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:	PROPERTY MANAGER
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	CONTRACT COMPLETION BOX							DATE:
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BY: DATE:	CHKD BY: RLM	REVIEWED BY:							
		DATE REVIEWED:							

Murphy & Dittenhafer ARCHITECTS

809 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4619 fax

229 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-501	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 132 OF 302
	DRAWING NUMBER
	2024-1445
	FILE NO.: 8 REV. 03/22

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

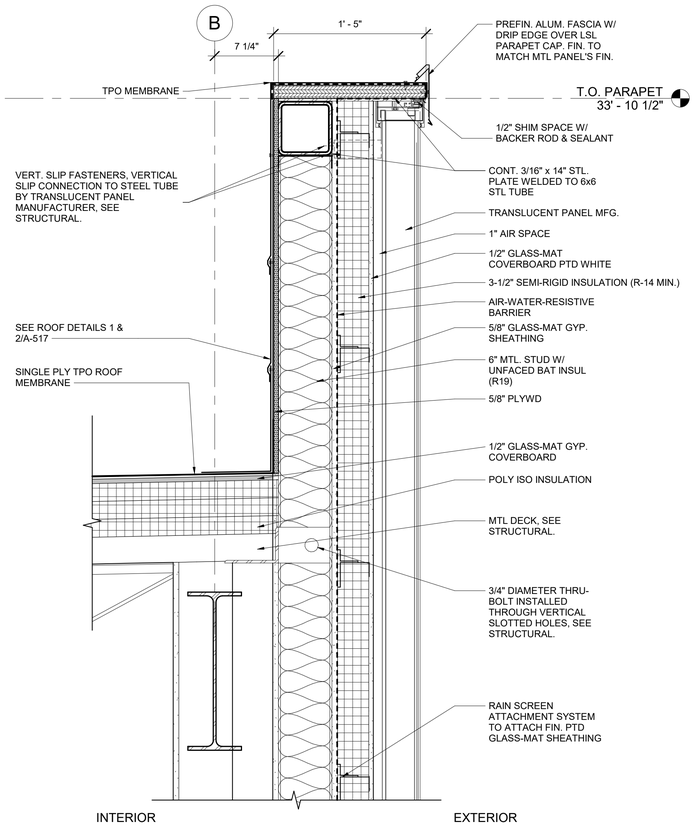
EXTERIOR SECTION DETAILS

NEW BUILDING DESIGN

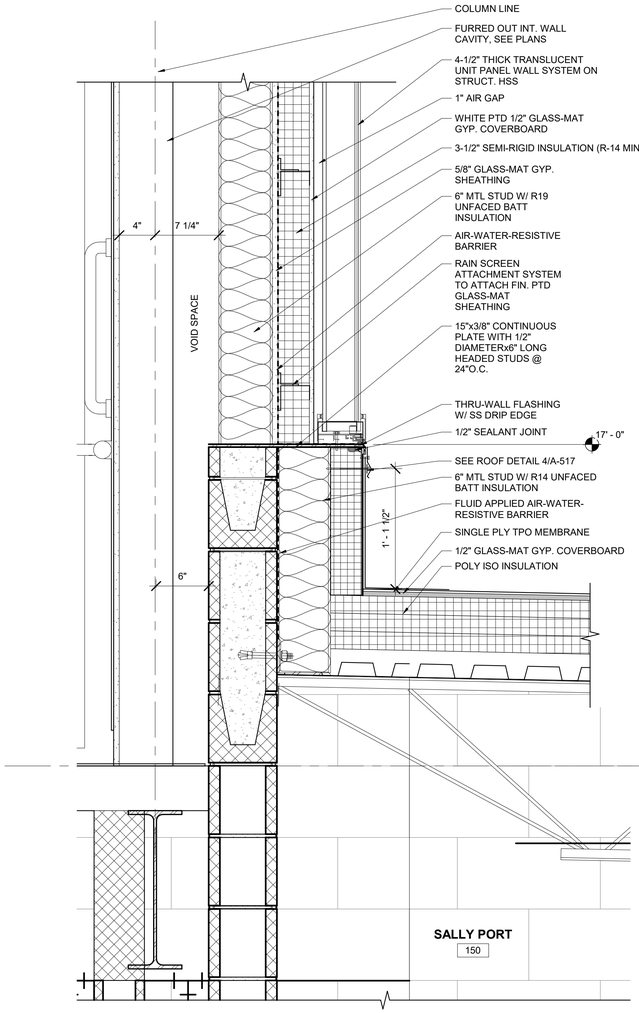
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

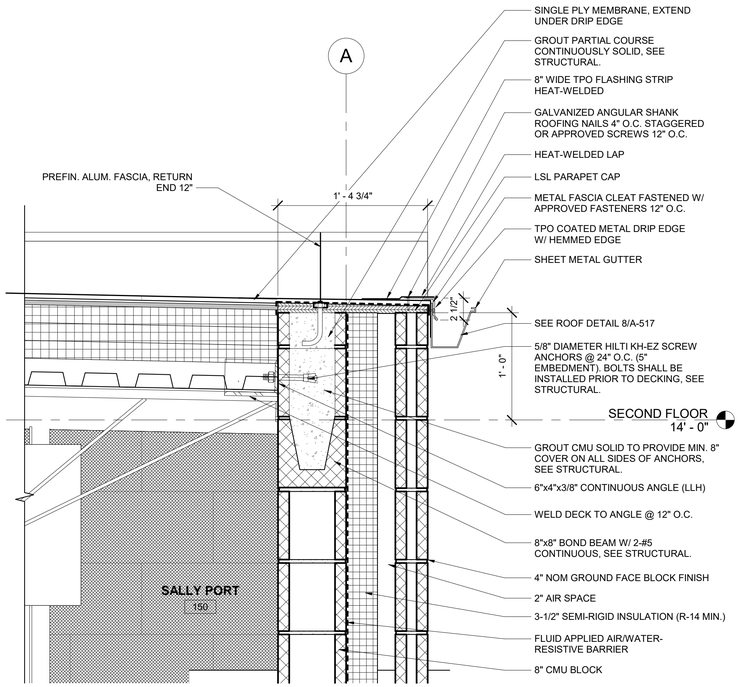
ELECTION DIST. NO.: 01C1



1 TYPICAL PARAPET DETAIL @ TRANSLUCENT PANEL
1 1/2" = 1'-0"



2 TYPICAL WALL FLASHING WITH COUNTERFLASHING DETAIL
1 1/2" = 1'-0"



3 TYPICAL GUTTER WITH COATED METAL EDGE DETAIL
1 1/2" = 1'-0"

C:\Users\dhay\Documents\22130A1 New Wilkens Police Precinct_dhayQANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:18:44 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19	PLAN SCALE: 1 1/2" = 1'-0"	APPROVED BY: PROPERTY MANAGER
				R.O.W NO.	GSW	14SW20 15SW19 15SW20	PROFILE SCALE:	DATE:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX							

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXTERIOR SECTION DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

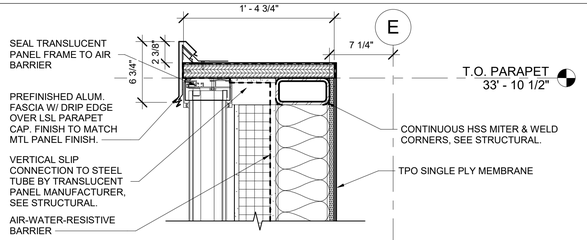
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

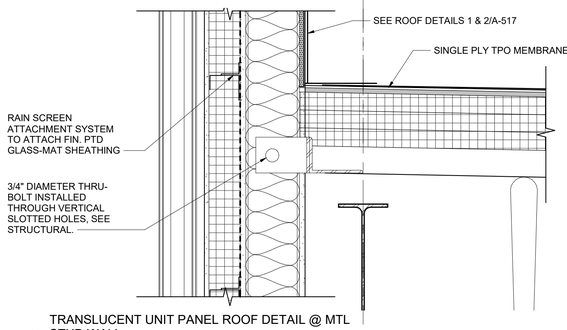
Murphy & Dittenhafer ARCHITECTS

306 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401
717-840-9827 voice 717-840-2488 fax

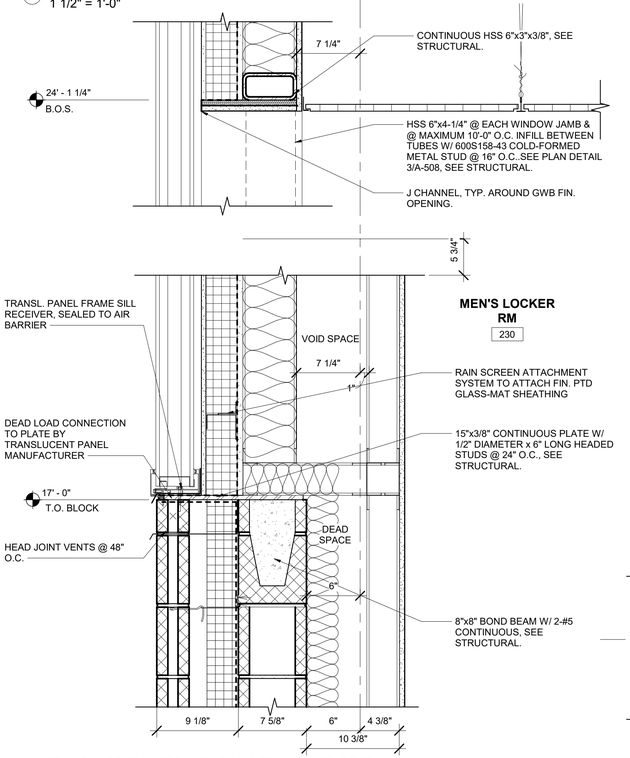
SHEET DESIGNATION	CONTRACT NUMBER
A-502	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 133 OF 302
	DRAWING NUMBER
	2024-1446
	FILE NO.: 8 REV. 03/22



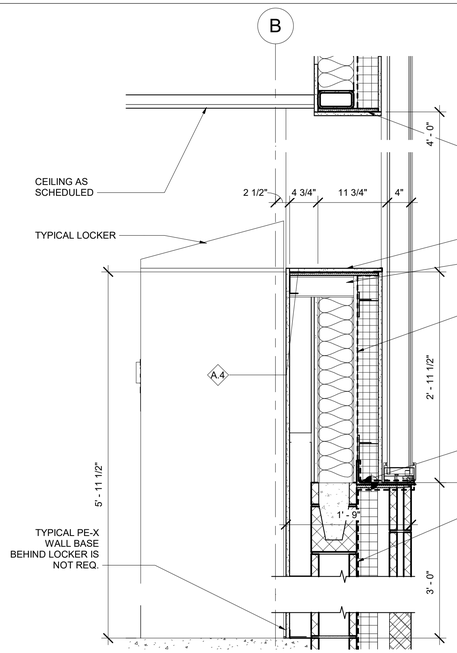
TRANSLUCENT UNIT PANEL HEAD & PARAPET DETAIL @ MTL STUD WALL
11 1 1/2" = 1'-0"



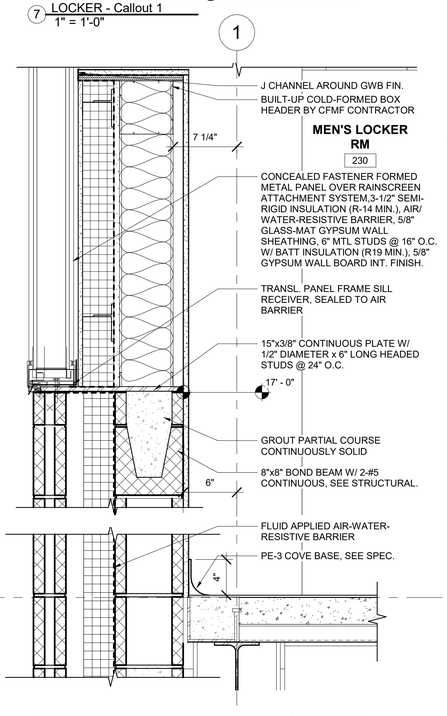
TRANSLUCENT UNIT PANEL ROOF DETAIL @ MTL STUD WALL
6 1 1/2" = 1'-0"



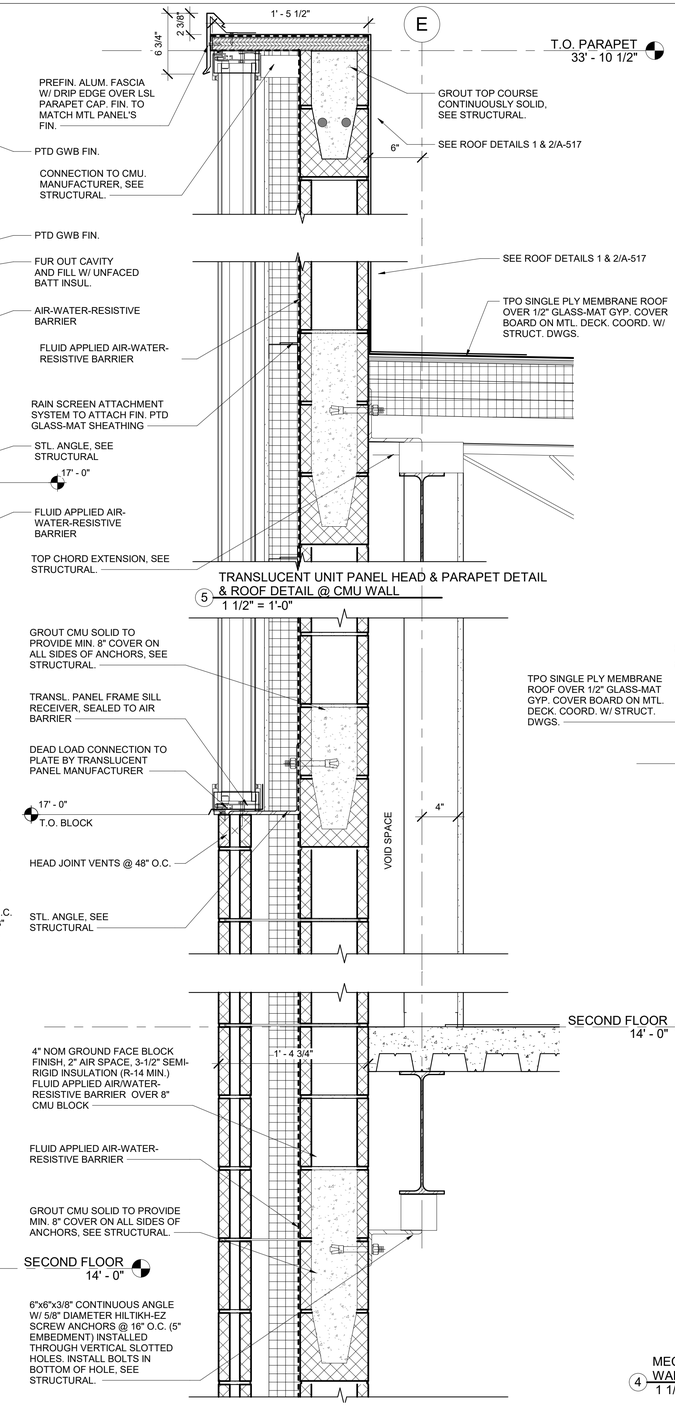
TRANSLUCENT UNIT PANEL SILL DETAIL @ MTL STUD WALL FURRED OUT
1 1 1/2" = 1'-0"



TYPICAL WALL SECTION @ SOUTH & WEST WALL LOCKER - Callout 1
7 1" = 1'-0"

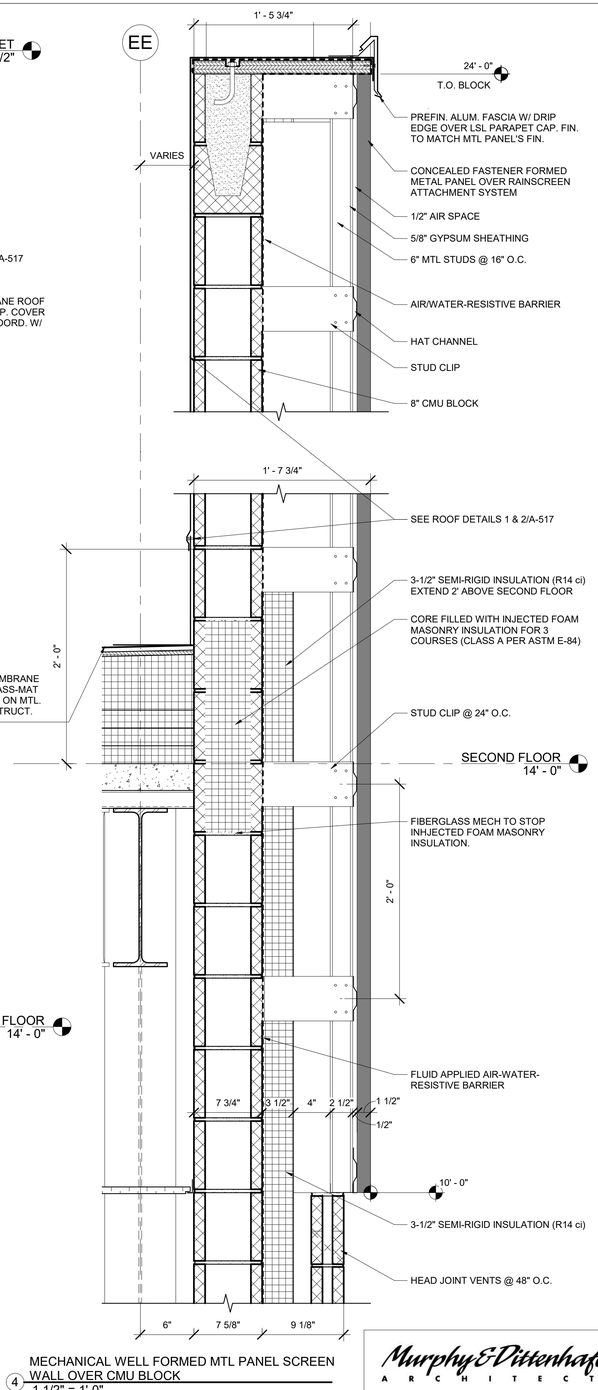


TRANSLUCENT UNIT PANEL SILL DETAIL @ MTL STUD WALL
2 1 1/2" = 1'-0"



TRANSLUCENT UNIT PANEL HEAD & PARAPET DETAIL & ROOF DETAIL @ CMU WALL
5 1 1/2" = 1'-0"

TRANSLUCENT UNIT PANEL SILL DETAIL @ MTL STUD WALL FURRED OUT
3 1 1/2" = 1'-0"



TPO SINGLE PLY MEMBRANE ROOF OVER 1/2" GLASS-MAT GYP. COVER BOARD ON MTL. DECK. COORD. W/ STRUCT. DWGS.

MECHANICAL WELL FORMED MTL PANEL SCREEN WALL OVER CMU BLOCK
4 1 1/2" = 1'-0"

C:\Users\dhay\Documents\22130A1 New Wilkens Police Precinct_dhayQ2NS.rvt

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4626 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-503	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 134 OF 302
	DRAWING NUMBER
	2024-1447
	FILE NO.: 8 REV: 03/22

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:18:47 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

ARCHITECT: Frank Elwood Dittenhafer, II	DSN BY: JAT
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU
BY: DATE:	CHK'D BY: RLM

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE — PLAN SCALE: As indicated — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

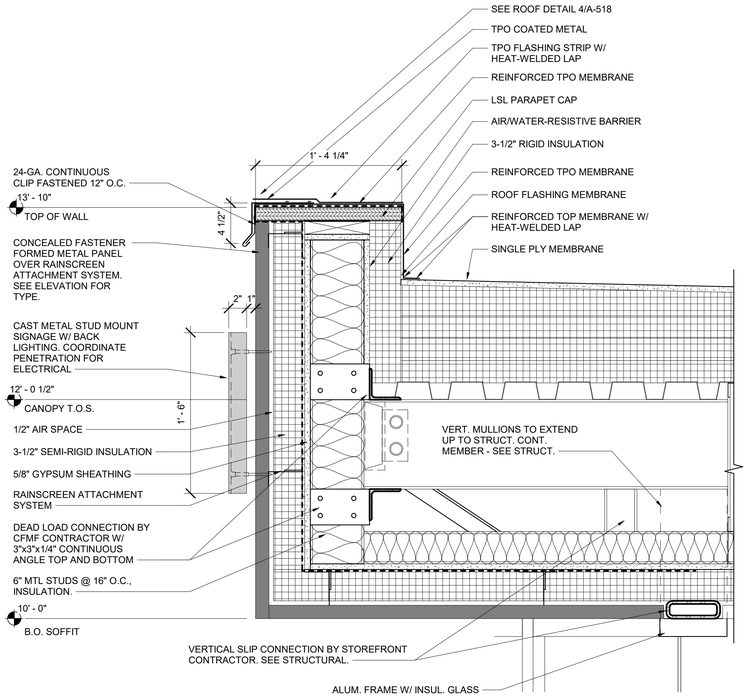
EXTERIOR SECTION DETAILS

NEW BUILDING DESIGN

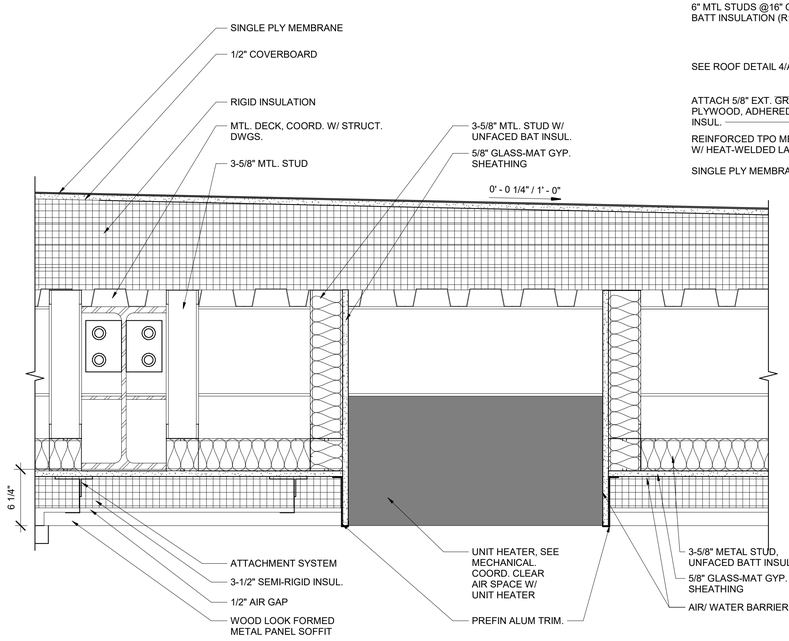
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

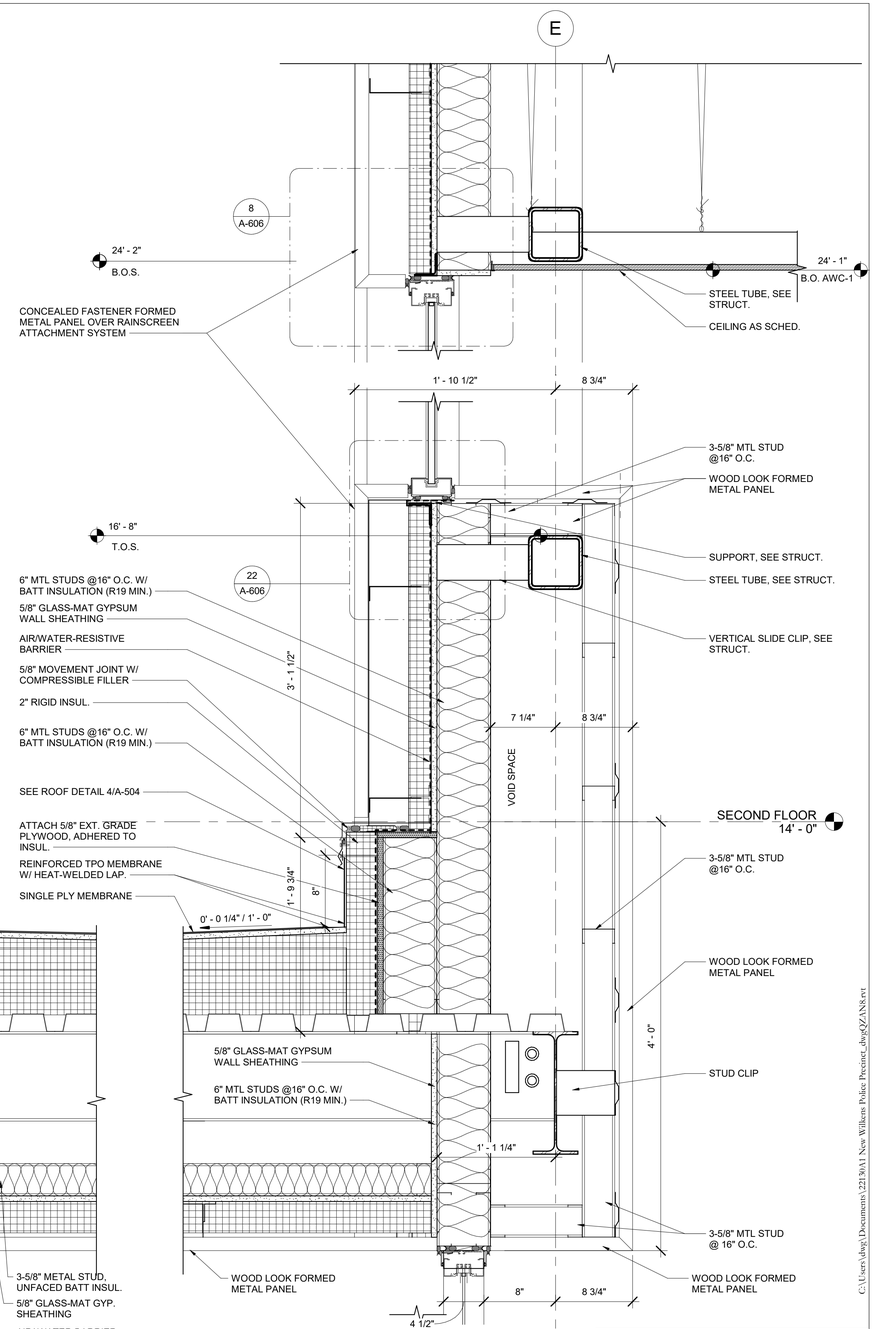
ELECTION DIST. NO.: 01C1



1 TYPICAL DETAIL @ VESTIBULE FASCIA
1 1/2" = 1'-0"



2 TYPICAL DETAIL @ VESTIBULE ROOF & RECESSED UNIT HEATER
1 1/2" = 1'-0"



3 TYPICAL DETAIL @ VESTIBULE/ LOBBY CLERESTORY
1 1/2" = 1'-0"

C:\Users\dlwg\Documents\2213OA1 New Wilkens Police Precinct_dlwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-504	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 135 OF 302
	DRAWING NUMBER
	2024-1448
	FILE NO.: 8

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE: 6/19/2025 1:18:48 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO.
R.O.W NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: 1 1/2" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXTERIOR SECTION DETAILS

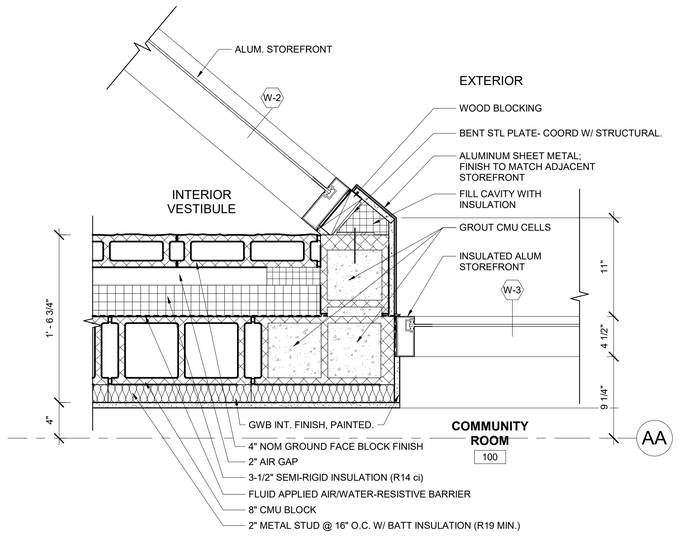
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

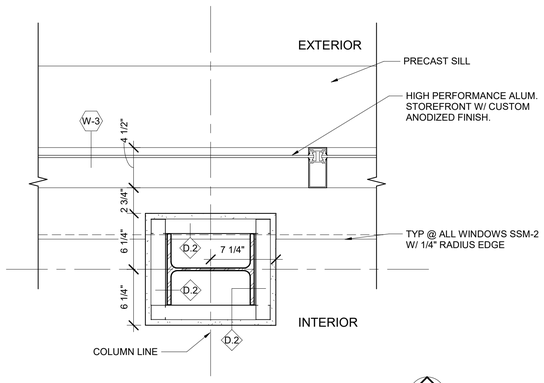
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

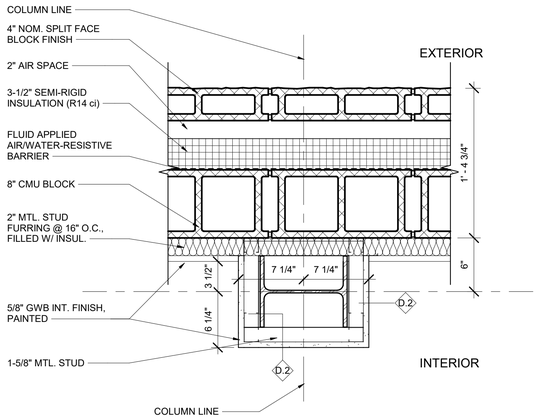
BALTIMORE COUNTY MARYLAND



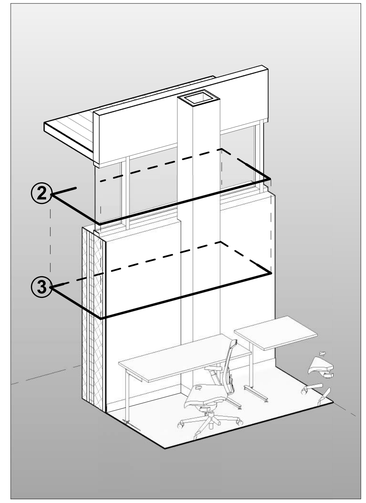
1 PLAN DETAIL - VESTIBULE CORNER @ COMMUNITY ROOM
1 1/2" = 1'-0"



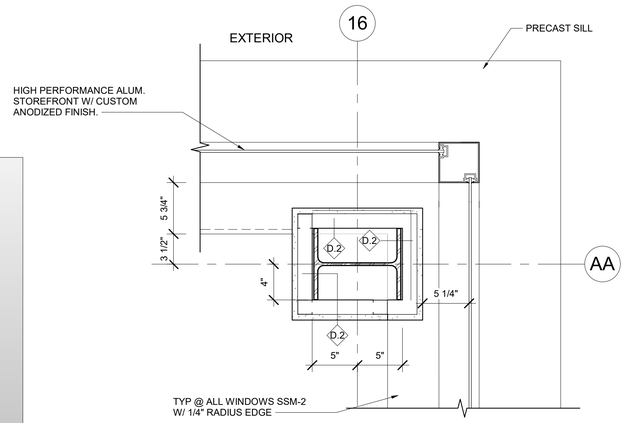
2 TYPICAL PLAN DETAIL - COLUMN WRAP @ WINDOW
1 1/2" = 1'-0"



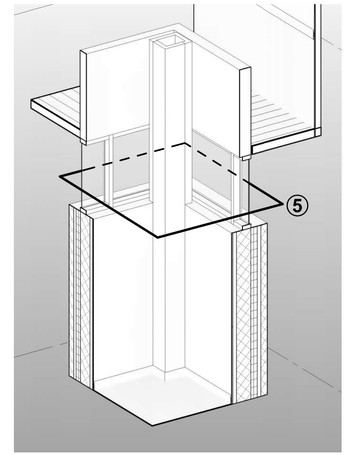
3 TYPICAL PLAN DETAIL - COLUMN WRAP @ WALL
1 1/2" = 1'-0"



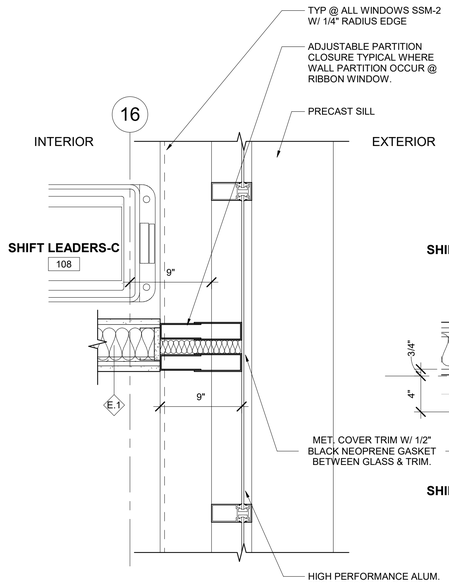
4 TYPICAL PLAN DETAIL - COLUMN WRAP AXON



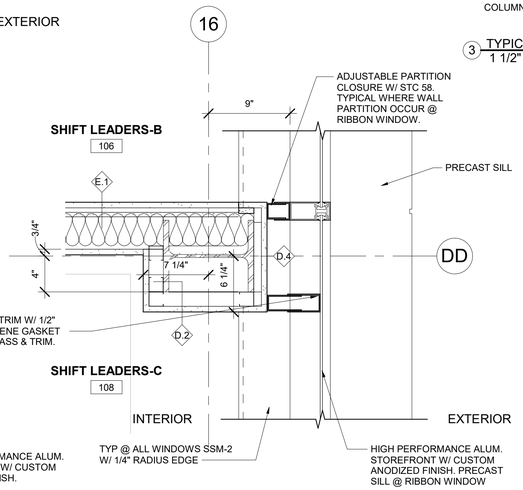
5 TYPICAL PLAN DETAIL - COLUMN WRAP @ CORNER WINDOW
1 1/2" = 1'-0"



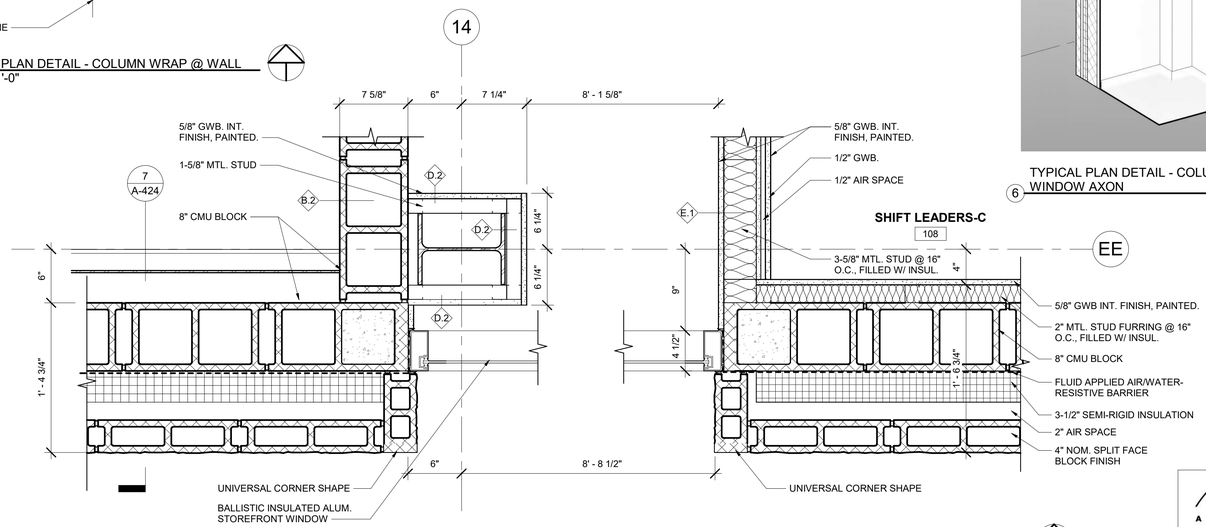
6 TYPICAL PLAN DETAIL - COLUMN WRAP @ CORNER WINDOW AXON



7 TYPICAL PLAN DETAIL - PARTITION CLOSURE @ GLAZING
1 1/2" = 1'-0"



8 TYPICAL PLAN DETAIL - PARTITION CLOSURE @ COLUMN OR MULLION
1 1/2" = 1'-0"



9 PLAN DETAIL - STAFF ENTRANCE
1 1/2" = 1'-0"

C:\Users\dwg\Documents\2230\01 New Wilkens Police Precinct_dwgQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER II — 6607-A — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:18:52 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
			R.O.W NO.	GSW	14SW20
CONTRACT COMPLETION BOX					15SW19
					15SW20

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE	
PLAN SCALE:	1 1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLAN DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

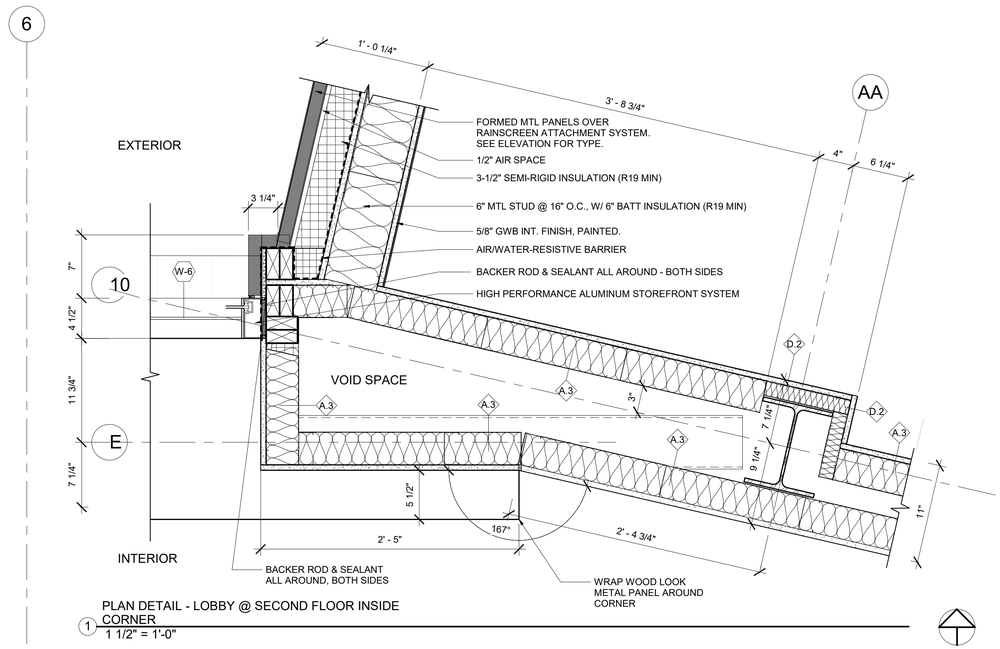
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4433 voice 410-625-4617 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6637 voice 717-845-2448 fax

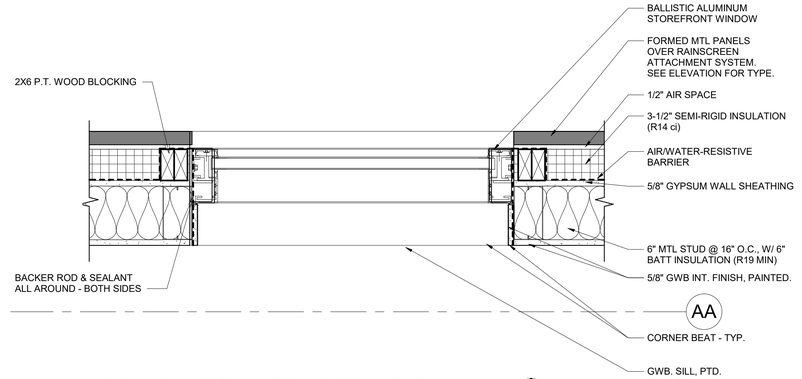
SHEET DESIGNATION	CONTRACT NUMBER
A-505	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 136 OF 302
	DRAWING NUMBER
	2024-1449
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

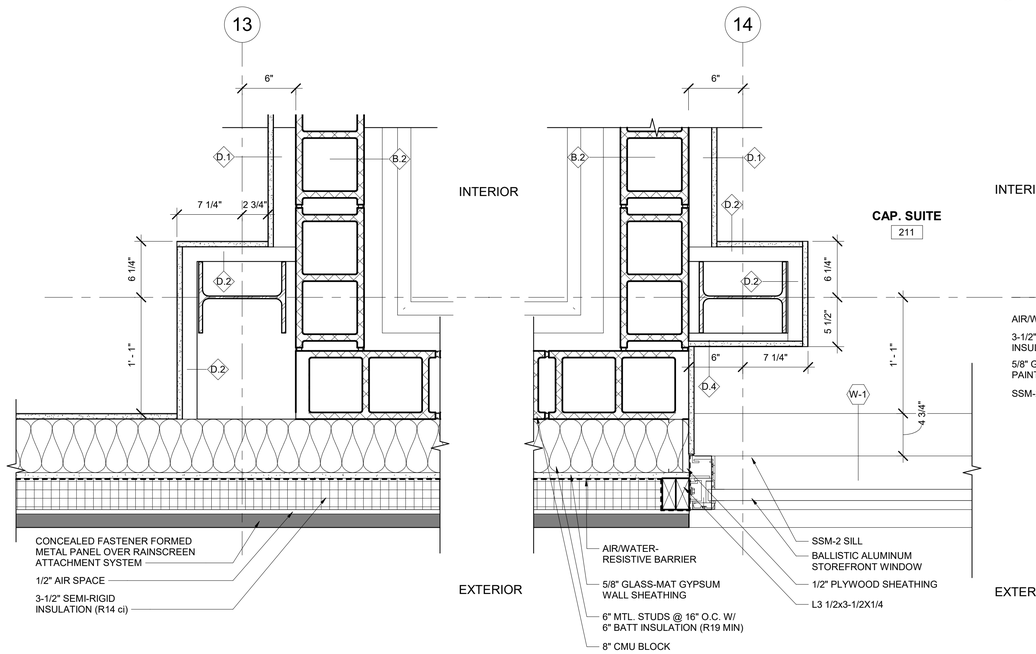
REV. 03/22



1 PLAN DETAIL - LOBBY @ SECOND FLOOR INSIDE CORNER
1 1/2" = 1'-0"



2 PLAN DETAIL - TYPICAL WINDOW JAMB @ MTL. STUD & FORMED MTL PANEL
1 1/2" = 1'-0"



3 PLAN DETAIL - SECOND FLOOR STAIR @ MTL STUD WALL
1 1/2" = 1'-0"

4 PLAN DETAIL - WINDOW JAMBS @ COLUMN WRAP
1 1/2" = 1'-0"

5 TYPICAL PLAN DETAIL - WINDOW JAMB @ CORNER
1 1/2" = 1'-0"

C:\Users\dbag\Documents\22130A1 New Wilkens Police Precinct_dbagQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
809 North Charles Street, Baltimore, Maryland 21201 410-625-4610 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6827 voice 717-845-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:18:53 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1 1/2" = 1'-0"
PROFILE SCALE:

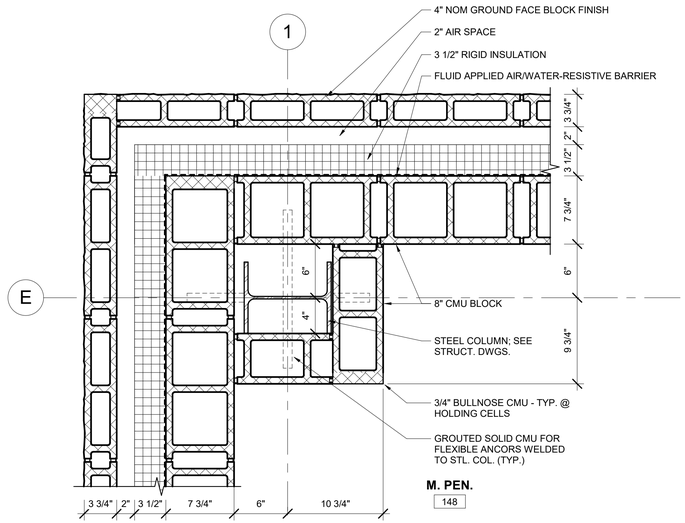
PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

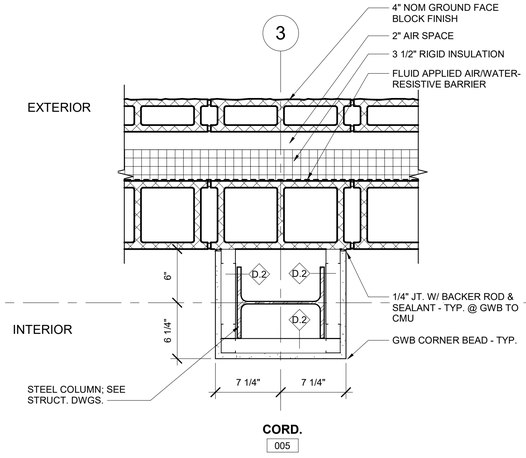
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
PLAN DETAILS
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-506	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 137 OF 302
	DRAWING NUMBER
	2024-1450
	FILE NO.: 8 REV: 03/02

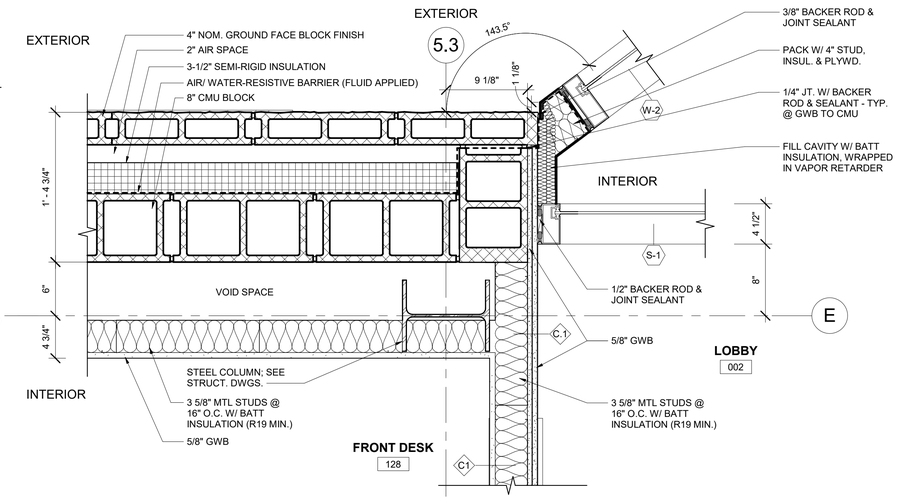
BALTIMORE COUNTY MARYLAND



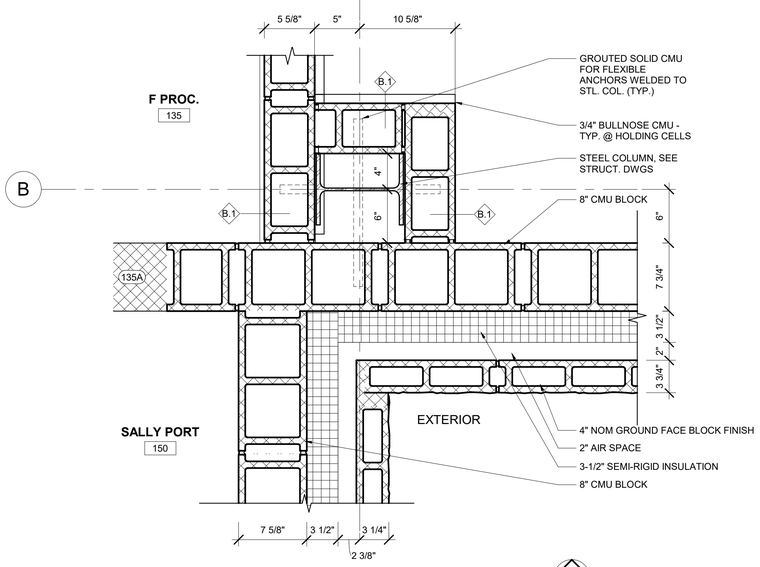
1 TYPICAL MASONRY CORNER DETAIL - 1ST FLR. @ EXT. BLOCK WALL
1 1/2" = 1'-0"



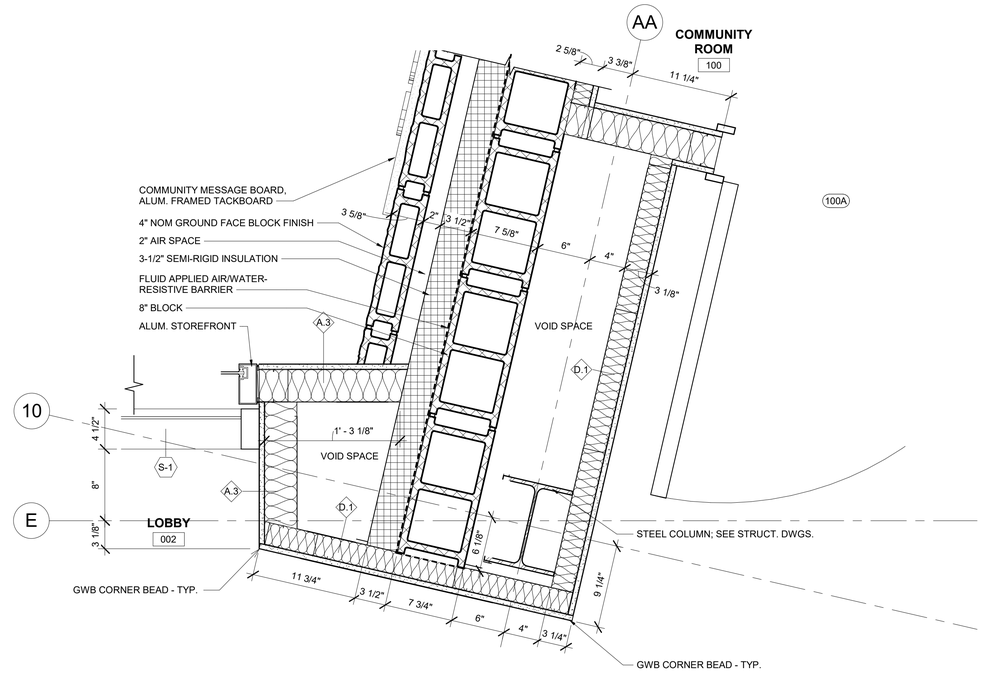
2 TYPICAL COLUMN DETAIL - 1ST FLR. @ EXT. BLOCK WALL Copy 1
1 1/2" = 1'-0"



3 PLAN DETAIL - VESTIBULE @ LOBBY & FRONT DESK
1 1/2" = 1'-0"



4 TYPICAL MASONRY INSIDE CORNER DETAIL @ SALLY PORT
1 1/2" = 1'-0"



5 PLAN DETAIL - VESTIBULE @ LOBBY & COMMUNITY ROOM
1 1/2" = 1'-0"

C:\Users\dwg\Documents\221803A New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
309 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:18:55 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027
ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1 1/2" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

DGN BY: JAT | DWN BY: DWG/ AWU | CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

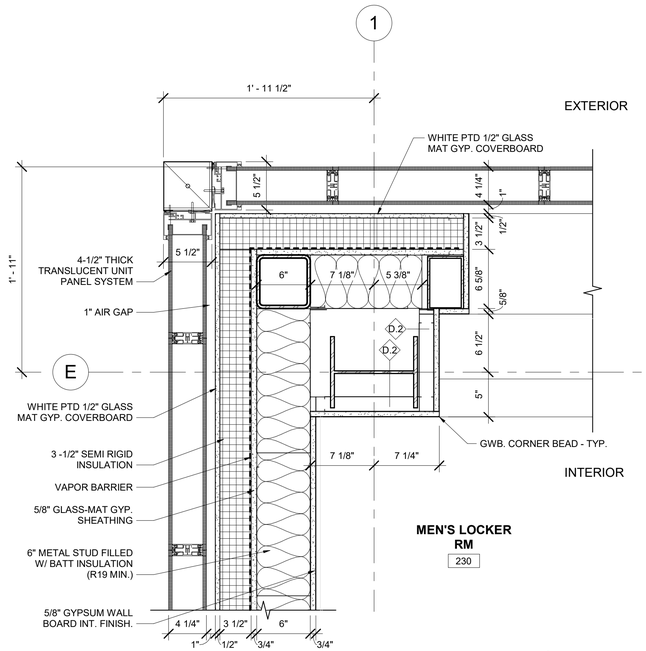
WILKENS POLICE PRECINCT - 01

PLAN DETAILS

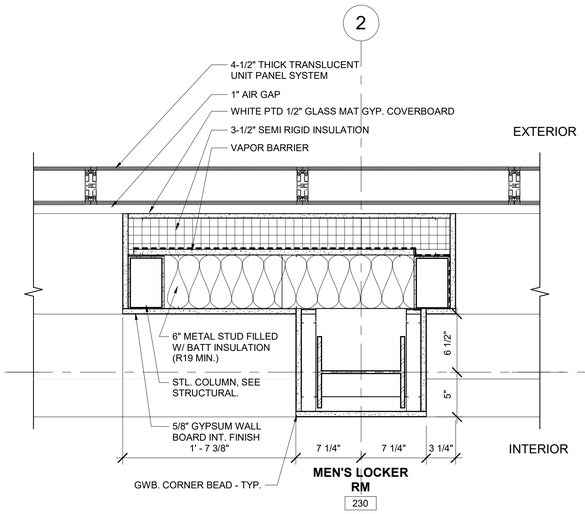
NEW BUILDING DESIGN

SUBDIVISION: WILKENS | 901 Walker Ave Catonsville, Maryland, 21228 | ELECTION DIST. NO.: 01C1

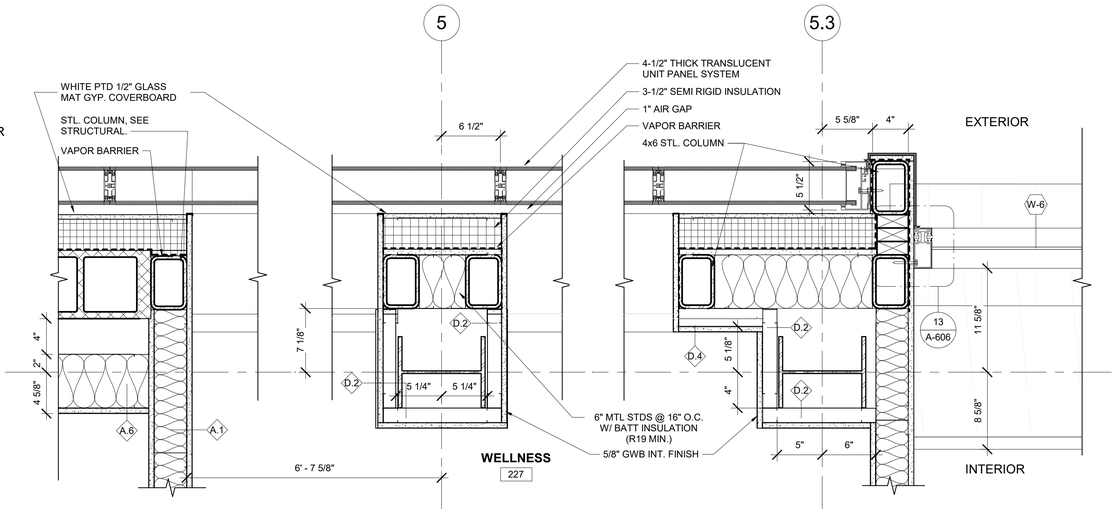
SHEET DESIGNATION	CONTRACT NUMBER
A-507	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 138 OF 302
	DRAWING NUMBER
	2024-1451
	FILE NO.: 8 REV. 03/22



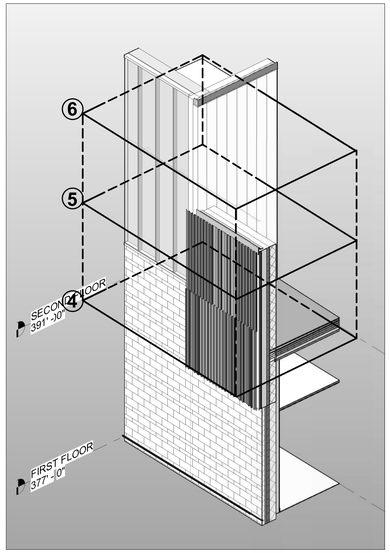
1 TYPICAL PLAN DETAIL - OUTSIDE CORNER TRANSLUCENT UNIT PANEL @ METAL STUD
1 1/2" = 1'-0"



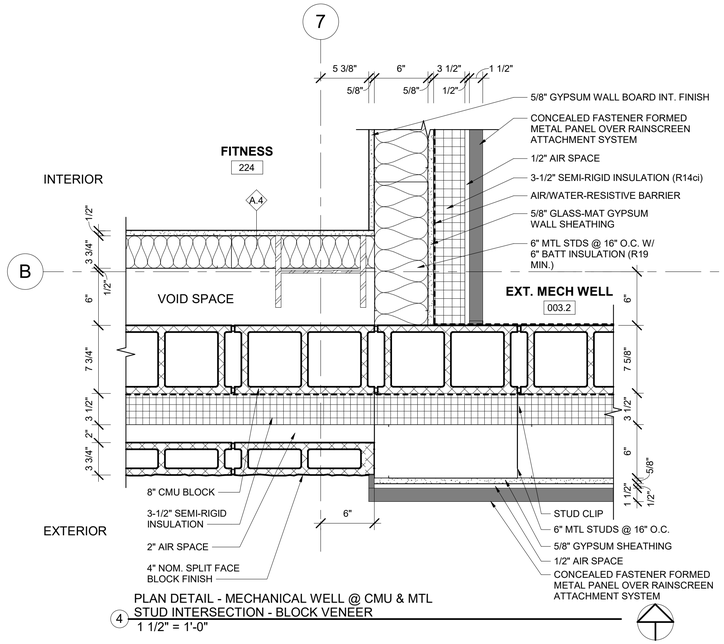
2 TYPICAL PLAN DEETAIL - JAMB & COLUMN WRAP
TRANSLUCENT UNIT PANEL @ METAL STUD
1 1/2" = 1'-0"



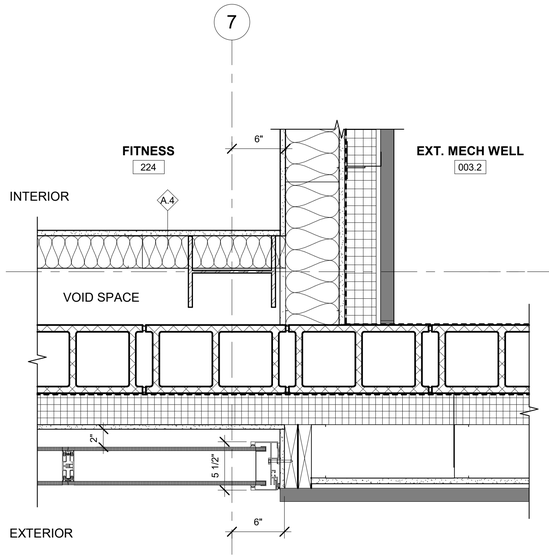
3 TYPICAL PLAN DETAIL - JAMB & COLUMN WRAP &
END TRANSLUCENT UNIT PANEL @ METAL STUD
1 1/2" = 1'-0"



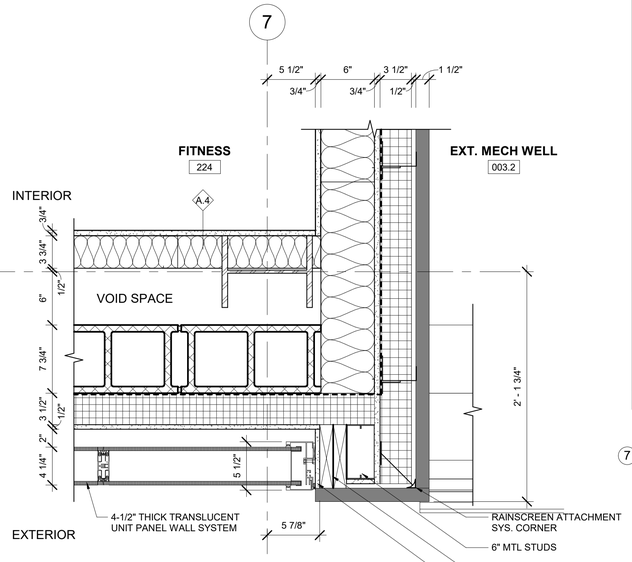
7 MECHANICAL WELL AXON - 1



4 PLAN DETAIL - MECHANICAL WELL @ CMU & MTL
STUD INTERSECTION - BLOCK VENEER
1 1/2" = 1'-0"



5 PLAN DETAIL - MECHANICAL WELL @ CMU & MTL
STUD INTERSECTION - TRANSLUCENT PANEL & WELL
1 1/2" = 1'-0"



6 PLAN DETAIL - MECHANICAL WELL @ CMU & MTL
STUD INTERSECTION - TRANSLUCENT UNIT PANEL
1 1/2" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:18:58 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1 1/2" = 1'-0"	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLAN DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

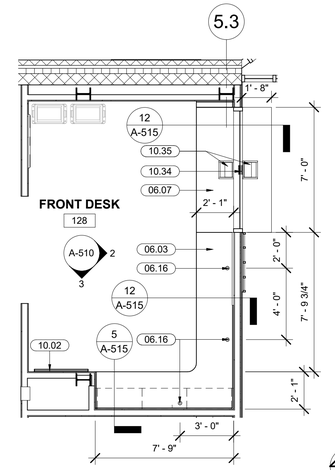
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-845-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-508	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 139 OF 302
	DRAWING NUMBER
	2024-1452
	FILE NO.: 8 REV: 0502

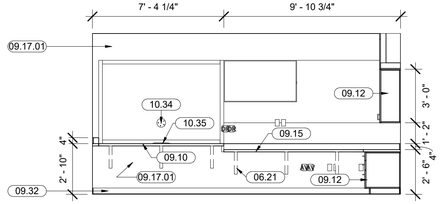
BALTIMORE COUNTY MARYLAND

C:\Users\dwg\Documents\2219A01 New Wilkens Police Precinct_dwgQZAN8.rvt

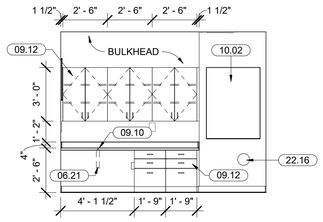


1 CASEWORK PLAN - #128 - FRONT DESK
1/4" = 1'-0"

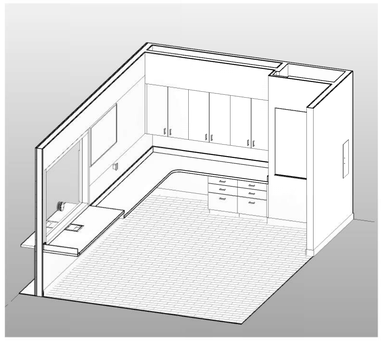
BUILDING NORTH



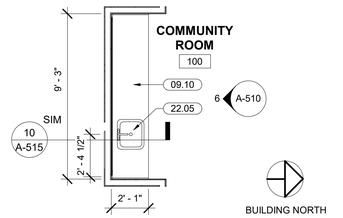
2 #128 - FRONT DESK - E - CASEWORK
1/4" = 1'-0"



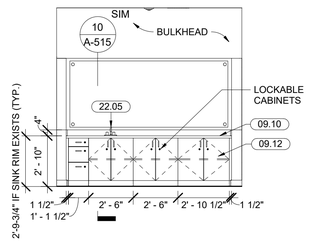
3 #128 - FRONT DESK - S - CASEWORK
1/4" = 1'-0"



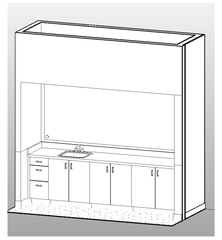
4 #128 - FRONT DESK AXON



5 CASEWORK PLAN - #100 - COMMUNITY ROOM
1/4" = 1'-0"

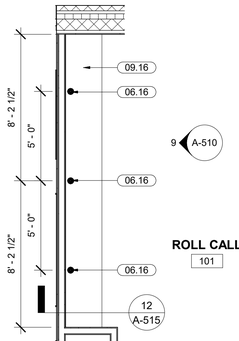


6 #100 - COMMUNITY ROOM - S - CASEWORK
1/4" = 1'-0"



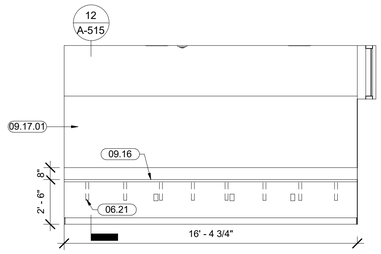
7 #100 - COMMUNITY ROOM AXON

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.03	SSM COUNTERTOP w. GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.07	SSM COUNTERTOP ON CONCEALED METAL BRACKET W/ LEVEL 3 BALLISTIC RATED TRANSACTION WINDOW, RECESSED COUNTER DEAL TRAY & SPEAKER HOLE.
06.16	2 1/2" MTL GROMMET.
06.21	CONCEALED METAL BRACKET.
06.22	EXPOSED METAL BRACKET.
09.10	SSM-1.
09.11	SS-1.
09.12	PLAM-1.
09.15	SSM-1 w/ GROMMETS SUPPORTED BY MTL BRACKETS.
09.16	SSM-4 w/ GROMMETS SUPPORTED BY MTL BRACKETS.
09.17.01	PT-1.
09.23	PLAM-3.
09.29	BB-3, TACKABLE WALL COVERING.
09.32	4" RB-1.
09.33	SSM-2.
10.02	MARKER BOARD. REFER TO ELEVS. FOR DETAILS, SEE VISUAL DISPLAY SPEC.
10.22	MAIL SORTER, N.I.C. SEE FF&E.
10.34	SECURE THROUGH GLASS SPEAKER PORT.
10.35	SECURE RECESSED DEAL TRAY IN COUNTER.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
22.16	ACCESS CAP. SEE PLUMBING CALL-OUT.

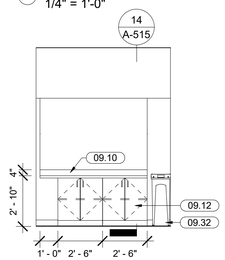


8 CASEWORK PLAN - #101 - ROLL CALL
1/4" = 1'-0"

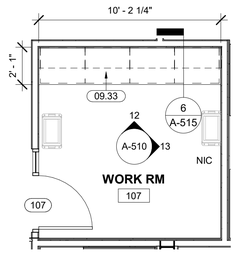
BUILDING NORTH



9 #101 - ROLL CALL - S - CASEWORK
1/4" = 1'-0"

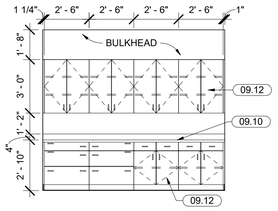


10 #101 - ROLL CALL - E - CASEWORK
1/4" = 1'-0"

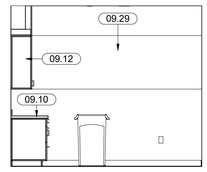


BUILDING NORTH

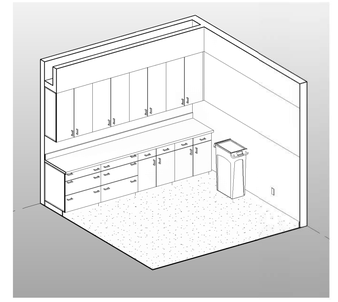
11 CASEWORK PLAN - #107 - FILE/WORK RM
1/4" = 1'-0"



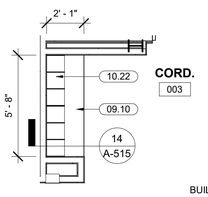
12 #107 - FILE/WORK RM - W - CASEWORK
1/4" = 1'-0"



13 #107 - FILE/WORK RM - N - CASEWORK
1/4" = 1'-0"

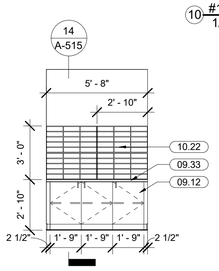


14 #107 - FILE/WORKROOM AXON

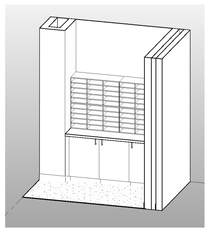


15 CASEWORK PLAN - #003 - MAIL A
1/4" = 1'-0"

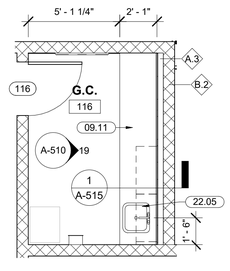
BUILDING NORTH



16 FIRST FLOOR - #003 - CORRIDOR A3 - CASEWORK
1/4" = 1'-0"

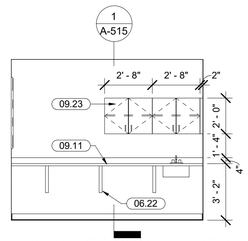


17 #003 - MAIL STATION - A AXON

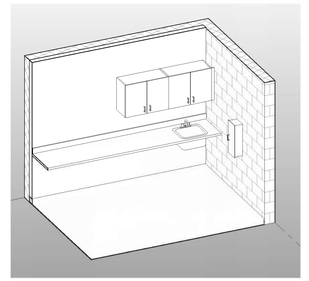


BUILDING NORTH

18 CASEWORK PLAN - #116 - GUN CLEANING
1/4" = 1'-0"



19 #116 - GUN CLEANING - N - CASEWORK
1/4" = 1'-0"



20 #116 - GUN CLEANING AXON

C:\Users\dwp\Documents\2219030A1 New Wilkens Police Precinct_dwpQZANS8.rvt

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-510	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 140 OF 302
	DRAWING NUMBER 2024-1453
	FILE NO.: 8

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:04 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:	PROPERTY MANAGER
		CONTRACT COMPLETION BOX							DATE:
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

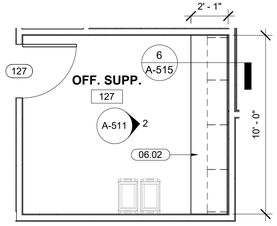
CASEWORK PLANS & ELEVATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

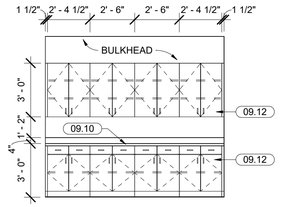
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

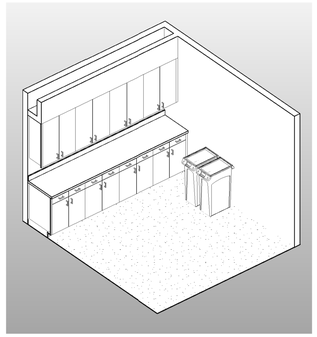


1 #127 - CASEWORK PLAN - OFFICE SUPPLIES A
1/4" = 1'-0"

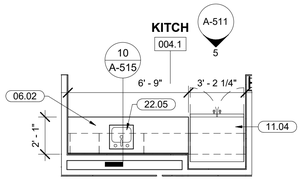
BUILDING NORTH



2 #127 - OFFICE SUPPLIES A - E - CASEWORK
1/4" = 1'-0"

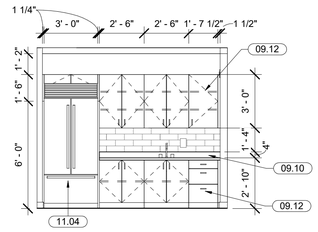


3 #127 - OFFICE SUPPLIES AXON - A

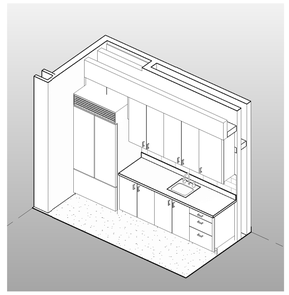


4 #004.1 - CASEWORK PLAN - KITCHENETTE
1/4" = 1'-0"

BUILDING NORTH

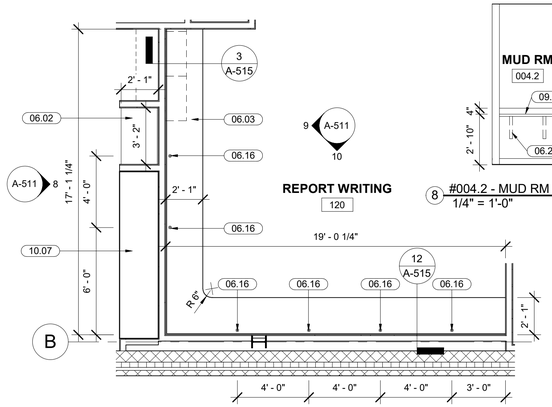


5 #004.1 - KITCHENETTE - CASEWORK
1/4" = 1'-0"



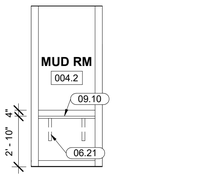
6 #004.1 - KITCHENETTE AXON

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.01	S.S. COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.03	SSM COUNTERTOP w. GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.16	2 1/2" MTL GROMMET.
06.21	CONCEALED METAL BRACKET.
06.22	EXPOSED METAL BRACKET.
09.10	SSM-1.
09.11	SS-1.
09.12	PLAM-1.
09.23	PLAM-3.
09.33	SSM-2.
10.07	WELDED METAL LOCKERS, SEE A-500 SHEETS FOR DETAILS.
10.27	OWNER ART.
11.04	REF. WITH ICE MAKER.
11.12	FINGERPRINT MACHINE.
12.08	DETENTION-GRADECUFF BENCH.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.
26.06	ELECTRIC & DATA WIREMOLD, SEE ELECTRICAL & TA.

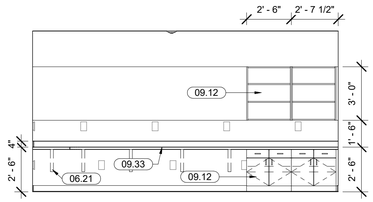


7 CASEWORK PLAN - #120 - REPORT WRITING & MUD ROOM
1/4" = 1'-0"

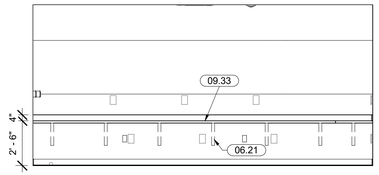
BUILDING NORTH



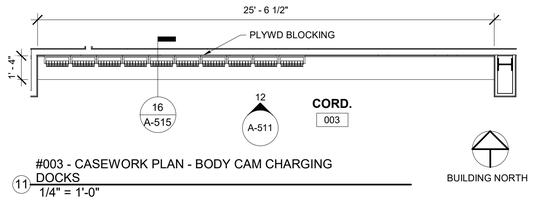
8 #004.2 - MUD RM - E CASEWORK
1/4" = 1'-0"



9 #120 - REPORT WRITING - W - CASEWORK
1/4" = 1'-0"

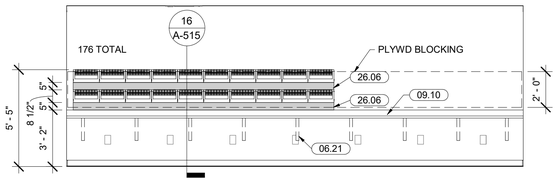


10 #120 - REPORT WRITING - S - CASEWORK
1/4" = 1'-0"

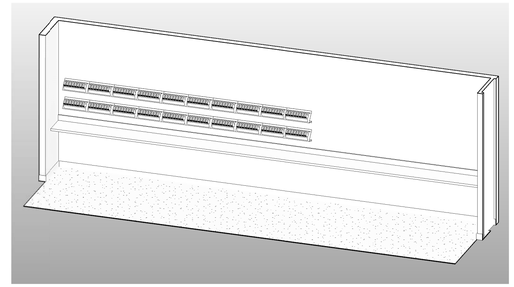


11 #003 - CASEWORK PLAN - BODY CAM CHARGING DOCKS
1/4" = 1'-0"

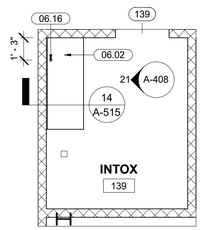
BUILDING NORTH



12 #003 - BODY CAMS - CASEWORK
1/4" = 1'-0"

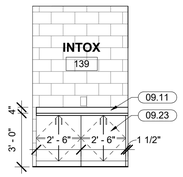


13 #003 - BODY CAMS ALT LOCATION AXON

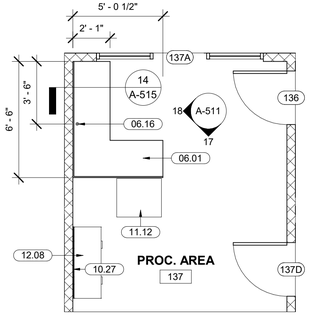


14 CASEWORK PLAN - INTOX
1/4" = 1'-0"

BUILDING NORTH

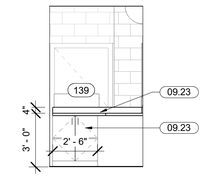


15 INTOX - W - CASEWORK
1/4" = 1'-0"

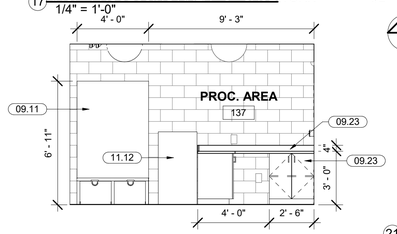


16 CASEWORK PLAN - #137 - PROCESSING AREA
1/4" = 1'-0"

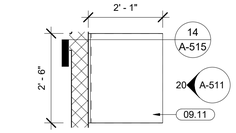
BUILDING NORTH



17 #137 - PROCESSING AREA - S - CASEWORK
1/4" = 1'-0"

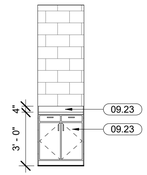


18 #137 - PROCESSING AREA W - CASEWORK
1/4" = 1'-0"

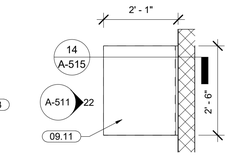


19 #137 - CASEWORK PLAN - F. PROC.
1/2" = 1'-0"

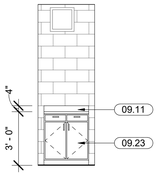
BUILDING NORTH



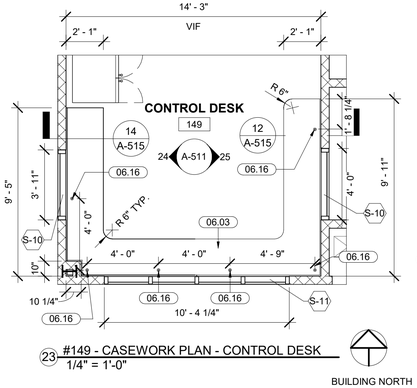
20 #137 - F PROC. - W - CASEWORK
1/4" = 1'-0"



21 #137 - CASEWORK PLAN - M. PROC.
1/2" = 1'-0"

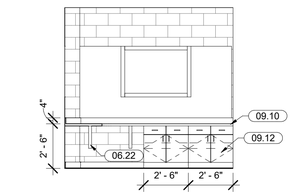


22 #137 - M PROC. - E - CASEWORK
1/4" = 1'-0"

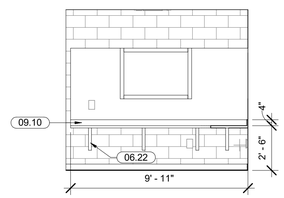


23 #149 - CASEWORK PLAN - CONTROL DESK
1/4" = 1'-0"

BUILDING NORTH



24 #149 - CONTROL DESK - W - CASEWORK
1/4" = 1'-0"



25 #149 - CONTROL DESK - E - CASEWORK
1/4" = 1'-0"

C:\Users\alwg\Documents\2213\01 New Wilkens Police Precinct_dwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-511	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 141 OF 302
	DRAWING NUMBER
	2024-1454
	FILE NO.: 8 REV: 03/03

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE: 6/19/2025 1:19:12 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

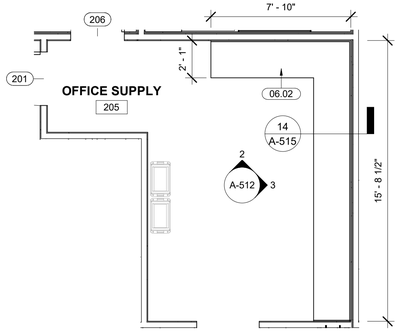
CASEWORK PLANS & ELEVATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

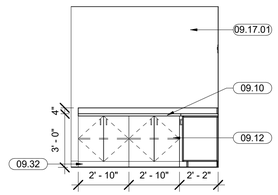
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

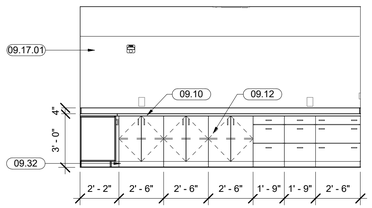


1 CASEWORK PLAN - #205 - OFFICE SUPPLIES B
1/4" = 1'-0"

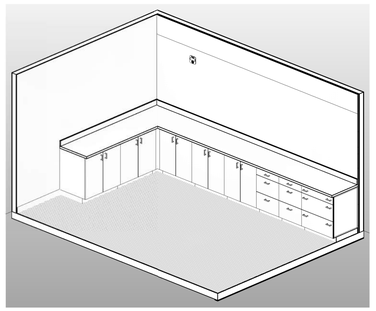
BUILDING NORTH



2 #205 - OFFICE SUPPLIES B-1 - CASEWORK
1/4" = 1'-0"

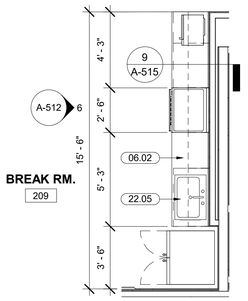


3 #205 - OFFICE SUPPLIES B-2 - CASEWORK
1/4" = 1'-0"



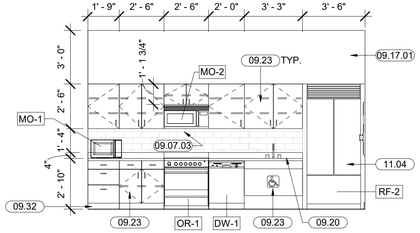
4 #205 - MAIL & OFFICE SUPPLES AXON

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
06.13	SSM COUNTERTOP 30" BASE CAB. w/ HAMPER OPENING.
06.17	C. TOP RECESSED PWR, W/ USB & USB-C.
09.07.03	CT-3
09.10	SSM-1.
09.12	PLAM-1.
09.17.01	PT-1.
09.17.07	PT-7.
09.20	SSM-3.
09.21	SSM-4.
09.23	PLAM-3.
09.24	PLAM-4.
09.32	4" RB-1.
09.33	SSM-2.
10.04	VISUAL DISPLAY BOARD.
11.04	REF. WITH ICE MAKER.
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.

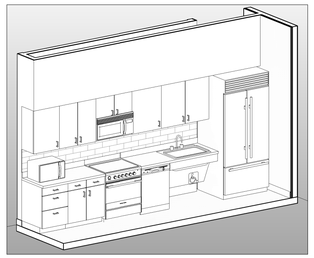


5 #209 - CASEWORK PLAN - BREAKROOM
1/4" = 1'-0"

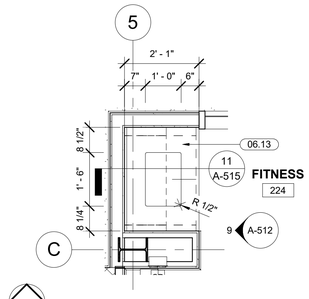
BUILDING NORTH



6 #209 - BREAK RM 2 - CASEWORK
1/4" = 1'-0"

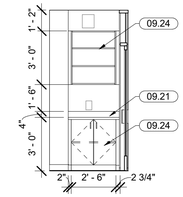


7 #209 - BREAKROOM AXON



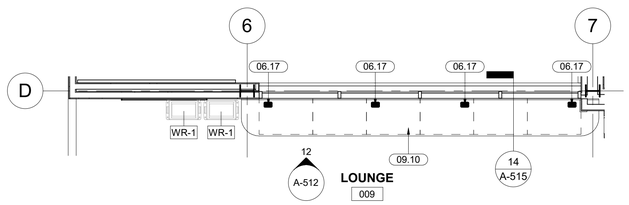
BUILDING NORTH

8 #224 - CASEWORK PLAN - FITNESS ROOM
1/2" = 1'-0"



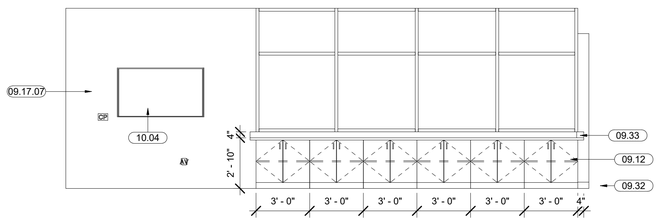
9 #224 - FITNESS-4 - CASEWORK
1/4" = 1'-0"

10 #224 - FITNESS ROOM AXON

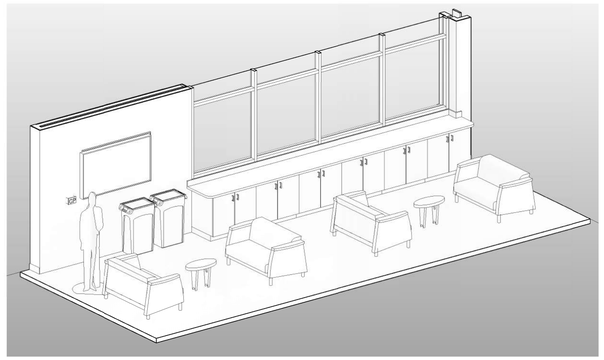


11 #009 - CASEWORK PLAN - LOUNGE
1/4" = 1'-0"

BUILDING NORTH



12 #009 - LOUNGE - CASEWORK
1/4" = 1'-0"



13 #009 - LOUNGE AXON

C:\Users\jhay\Documents\22130A1 New Wilkens Police Precinct_dwgQCANS.rvt

Murphy & Dittenhafer ARCHITECTS

830 North Charles Street, Baltimore, Maryland 21201 410-625-4610 voice 410-625-4619 fax

224 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2488 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:17 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027			
	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

ARCHITECT: Frank Elwood Dittenhafer, II	DSN BY: JAT
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU
BY: DATE:	CHK'D BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

CASEWORK PLANS & ELEVATIONS

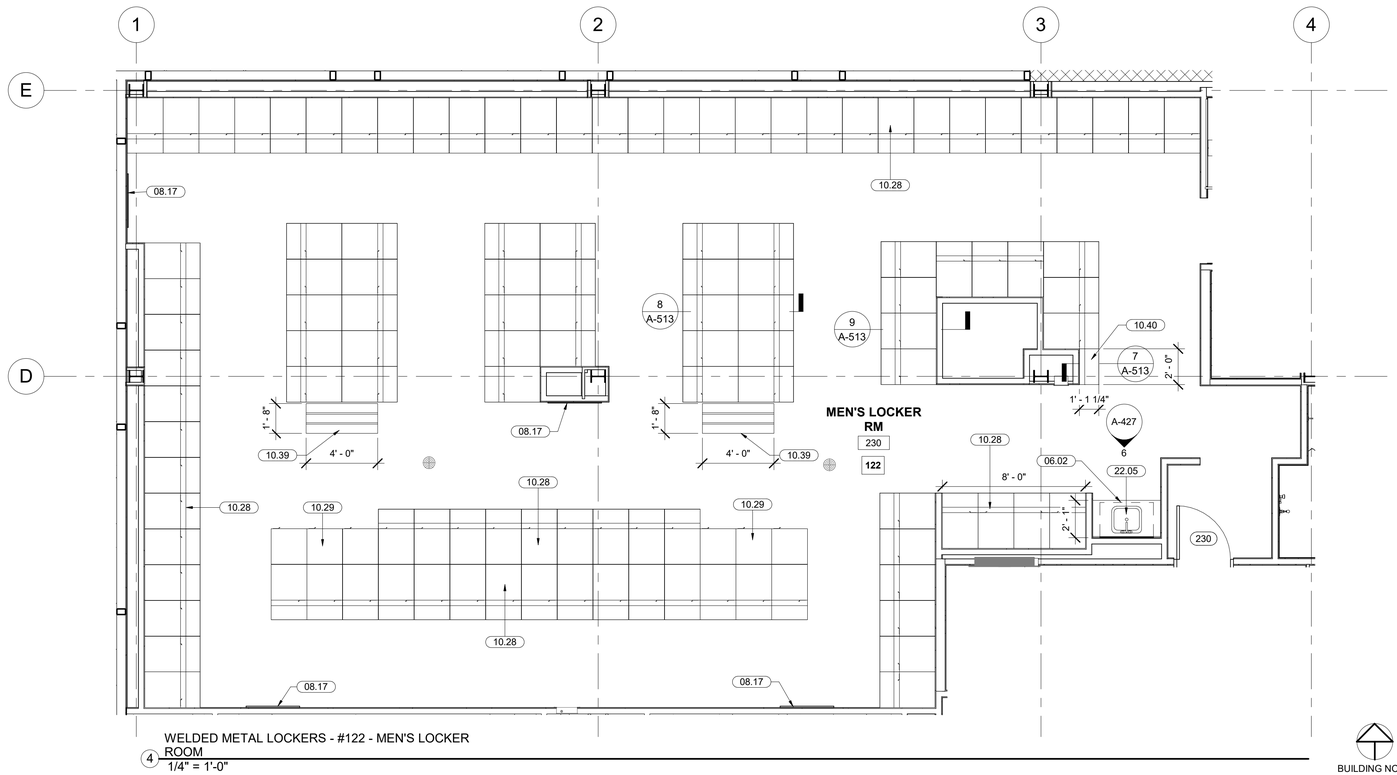
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

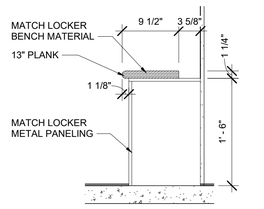
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-512	24111 PPO
	JOB ORDER NUMBER: 300200006
	SHEET 142 OF 302
	DRAWING NUMBER: 2024-1455
	FILE NO.: 8 REV: 03/22



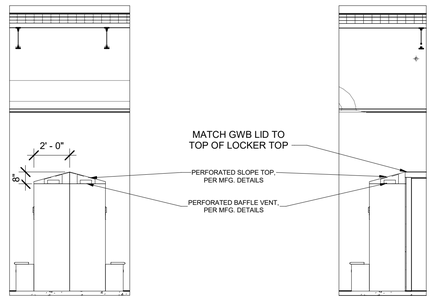
WELDED METAL LOCKERS - #122 - MEN'S LOCKER ROOM
4 1/4" = 1'-0"



7 LOCKER BENCH INFILL DETAIL
1" = 1'-0"

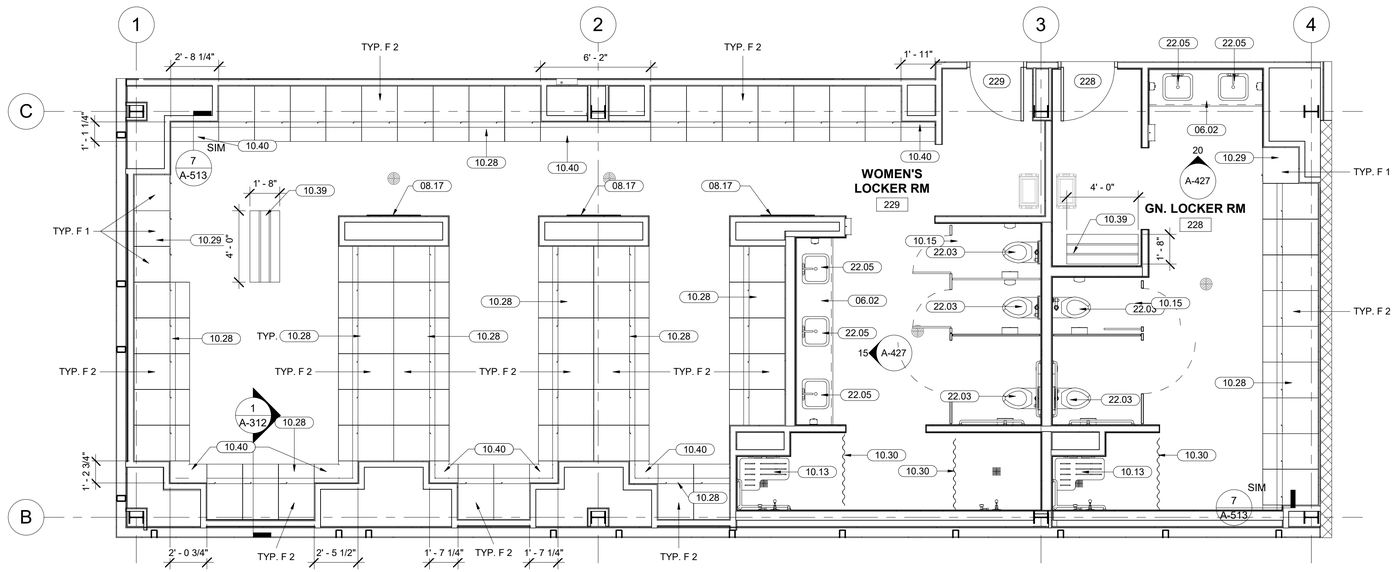
BUILDING NORTH

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.02	SSM COUNTERTOP. REFER TO INTERIOR ELEVATIONS FOR DTL'S.
08.17	MIRROR.
10.13	FOLDING ADA SHOWER SEAT.
10.15	TLT. PARTITION.
10.28	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.29	WELDED METAL PERSONAL STORAGE LOCKER.
10.30	SHOWER CURTAIN.
10.39	ADA SOLID WD BENCH ON PAINTED STEEL LEGS, BOLTED TO SLAB.
10.40	SOLID WD LOCKER BENCH INFILL BY LOCKER MFG.
22.03	LAVATORY - REFER TO PLUMBING DRAWINGS FOR DETAILS
22.05	SINK - REFER TO PLUMBING DWG'S FOR DTL'S.



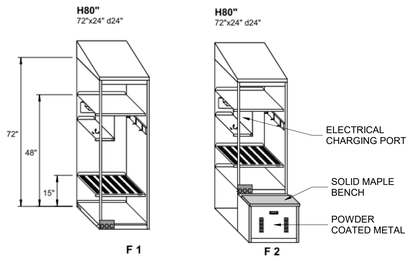
8 WELDED MTL LOCKER VENTILATION DETAIL
1/4" = 1'-0"

9 WELDED MTL LOCKER VENTILATION DETAIL SINGLE
1/4" = 1'-0"



WELDED METAL LOCKERS - #229 -WOMEN'S & #228 - GENDER NEUTRAL LOCKER ROOM
1/4" = 1'-0"

BUILDING NORTH



LOCKER RM - FREE STYLE LOCKER DETAILS

C:\Users\dwp\Documents\221304A1 New Wilkens Police Precinct_dwpQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4614 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-513	24111 PPO

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A STATE OF MARYLAND FRANK ELWOOD DITTENHAFER II 6/19/2025
DATE : 6/19/2025 1:19:19 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19 14SW20 15SW19 15SW20	PLAN SCALE: As indicated.	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW		PROFILE SCALE:	DATE: PROPERTY MANAGER
	CONTRACT COMPLETION BOX							

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

	DGN BY: JAT	DWN BY: DWG/ AWU	CHKD BY: RLM
BUREAU OF ENGINEERING AND CONSTRUCTION	REVIEWED BY:	DATE REVIEWED:	
TRAFFIC			
HIGHWAYS			
STRUCTURES			
STORM DRAINS			
SEWER			
WATER			
FIELD ENGINEER			

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WELDED METAL LOCKER PLANS & DETAILS

NEW BUILDING DESIGN

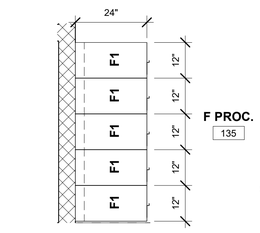
SUBDIVISION: WILKENS

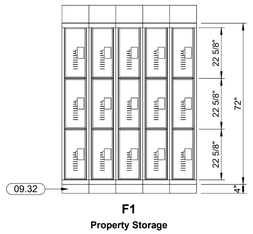
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

JOB ORDER NUMBER	300200006
SHEET 143 OF 302	
DRAWING NUMBER	2024-1456
FILE NO.: 8	REV. 03/22

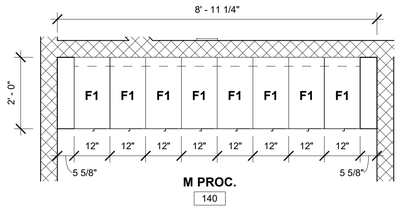
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.32	4" RB-1.
10.41	FIRE RATED AMMO SAFE.

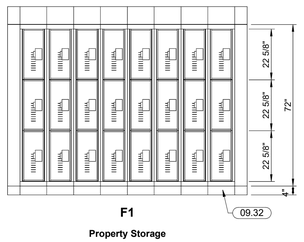




1 WELDED METAL LOCKERS - F. PROC.
1/2" = 1'-0"

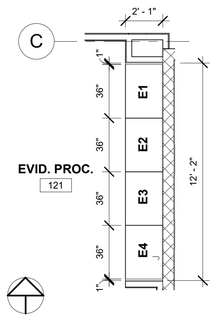
F. PROC. - LOCKER DETAILS



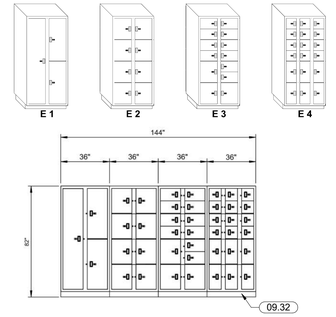


3 WELDED METAL LOCKERS - M. PROC.
1/2" = 1'-0"

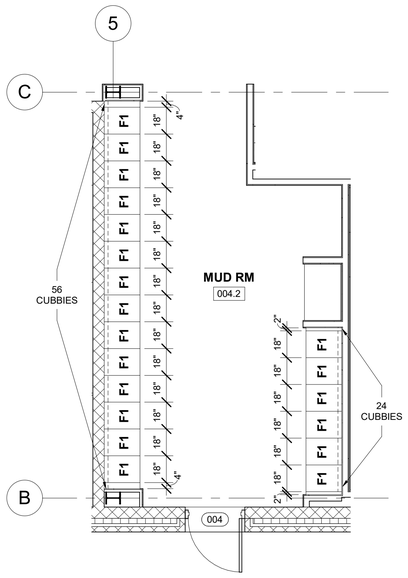
M. PROC. - LOCKER DETAILS



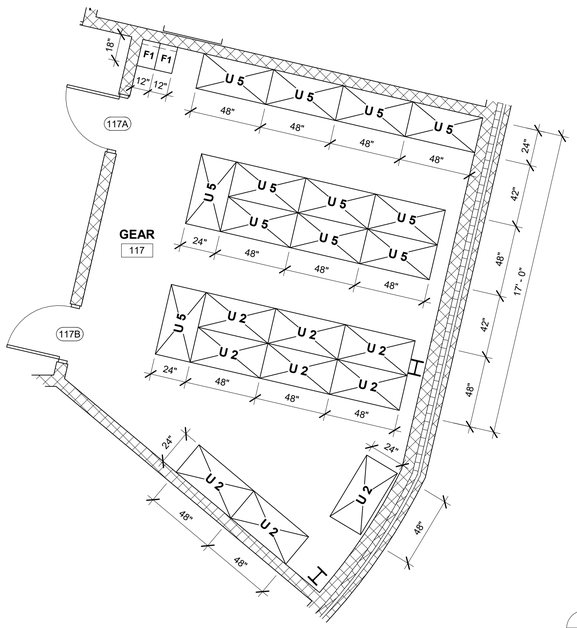
5 WELDED METAL LOCKERS - EVID. PROC.
1/4" = 1'-0"



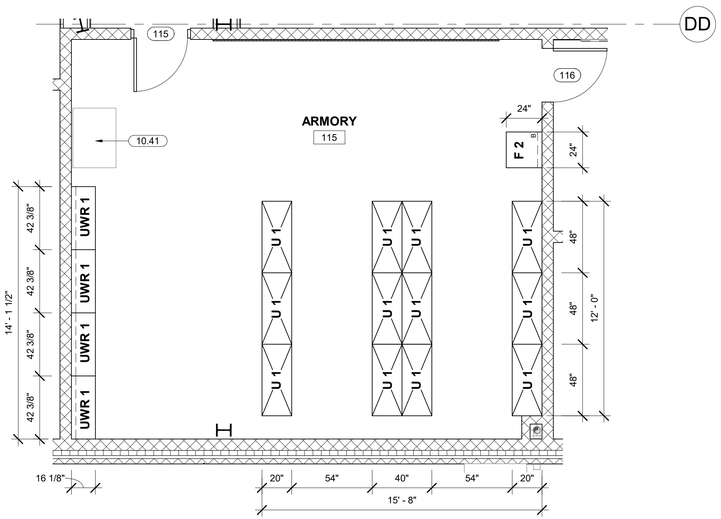
Evidence Processing - Locker Details



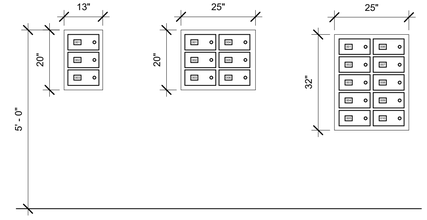
7 WELDED METAL LOCKERS - MUD ROOM
1/4" = 1'-0"



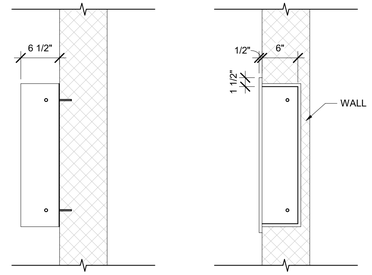
10 WELDED METAL LOCKER & SHELVING - GEAR RM
1/4" = 1'-0"



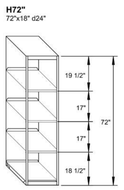
WELDED METAL LOCKER, SHELVING & RACKS - ARMORY
1/4" = 1'-0"



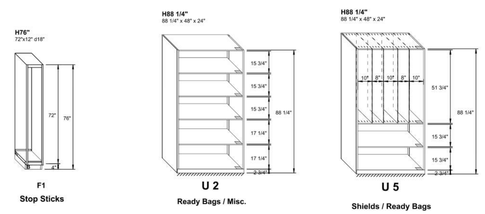
SURFACE - WALL MOUNTED GUN LOCKERS



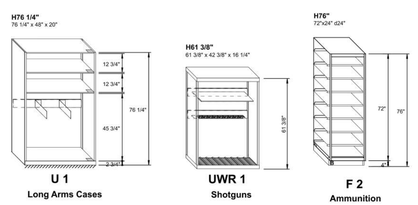
GUN LOCKER MOUNTING TYPES



MUD RM - LOCKER DETAILS



GEAR ROOM - LOCKER & SHELVING DETAILS



ARMORY - LOCKER, SHELVING & RACKS DETAILS

C:\Users\ahng\Documents\2213k01 New Wilkens Police Precinct_dhgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-845-5607 voice 717-845-2466 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-514	24111 PPO

SEAL: ARCHITECTURAL REGISTRATION BOARD, 6607-A, FRANK ELWOOD DITTENHAFER II, STATE OF MARYLAND, 6/19/2025
DATE: 6/19/2025 1:19:22 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WELDED METAL LOCKER PLANS, ELEVATIONS & DETAILS

NEW BUILDING DESIGN

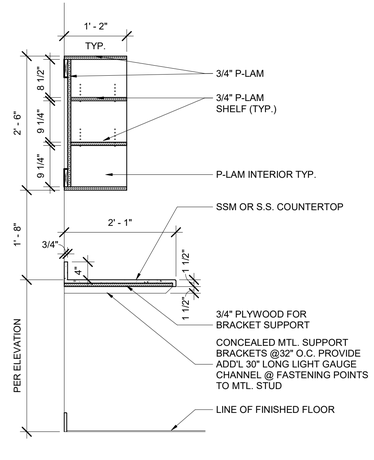
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

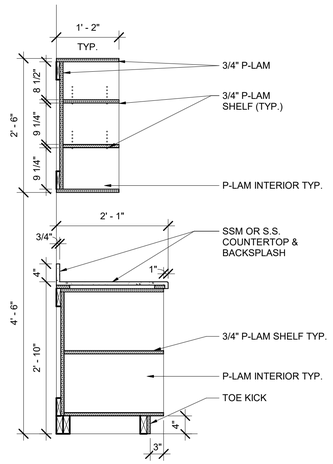
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

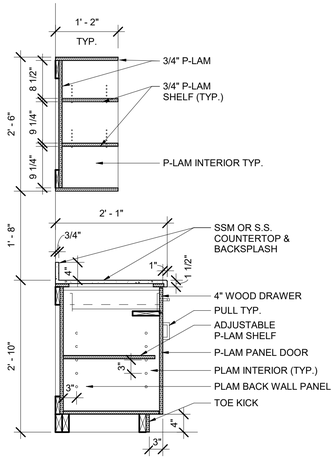
JOB ORDER NUMBER	300200006
SHEET 144 OF 302	
DRAWING NUMBER	2024-1457
FILE NO.: 8	REV: 03/03



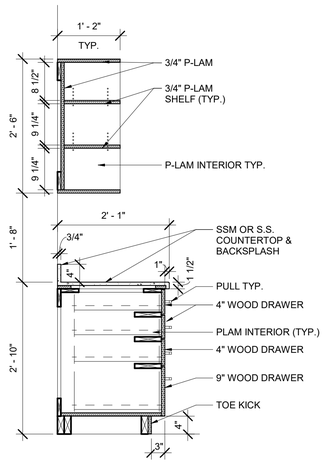
TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET & COUNTER
1 3/4" = 1'-0"



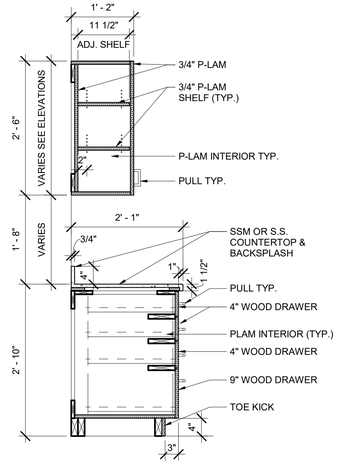
TYPICAL CASEWORK DETAIL @ OPEN WALL AND BASE CASEWORK
2 3/4" = 1'-0"



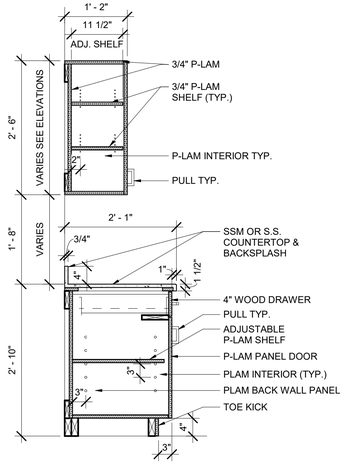
TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET AND 1 DRAWER BASE CASEWORK
3 3/4" = 1'-0"



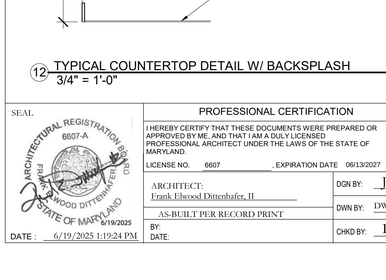
TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET & 4 DRAWER BASE CASEWORK
4 3/4" = 1'-0"



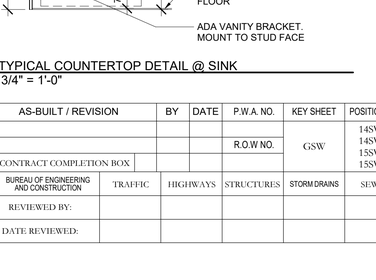
TYPICAL CASEWORK DETAIL @ WALL CABINET
5 3/4" = 1'-0"



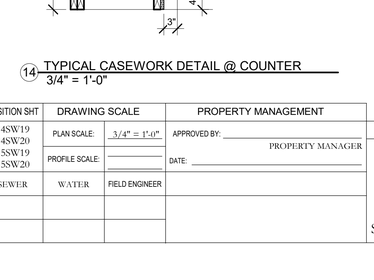
TYPICAL CASEWORK DETAIL @ 1 DRAWER BASE CABINET
6 3/4" = 1'-0"



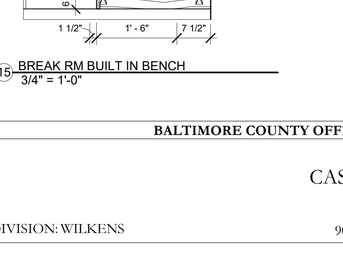
TYPICAL CASEWORK DETAIL @ 3 DRAWER BASE CABINET
7 3/4" = 1'-0"



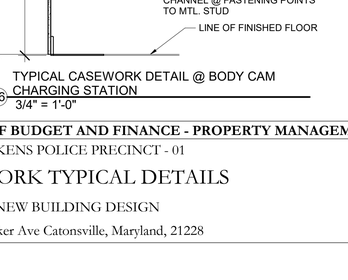
TYPICAL COUNTERTOP DETAIL @ SINK W/ UPPER CABINET
8 3/4" = 1'-0"



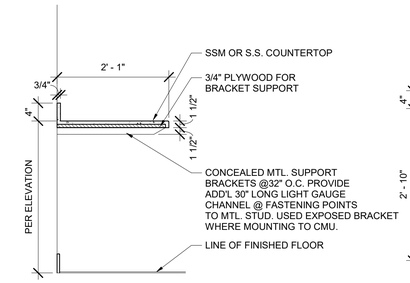
TYPICAL CASEWORK DETAIL @ 1 DRAWER BASE CABINET W/ MICROWAVE AND WALL CABINET
9 3/4" = 1'-0"



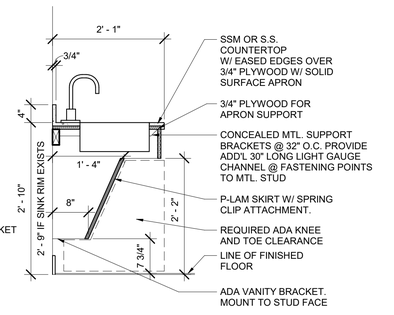
TYPICAL CASEWORK DETAIL @ SINK W/ UPPER & BASE CABINETS
10 3/4" = 1'-0"



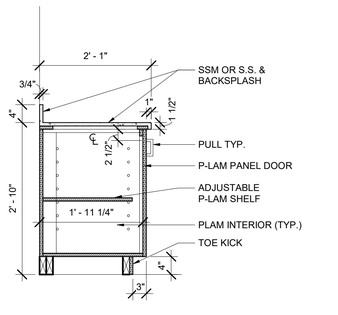
TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET AND LAUNDRY BASE CASEWORK
11 3/4" = 1'-0"



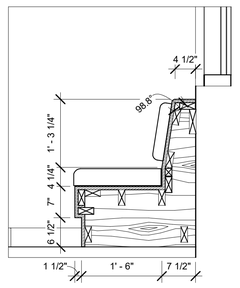
TYPICAL COUNTERTOP DETAIL W/ BACKSPLASH
12 3/4" = 1'-0"



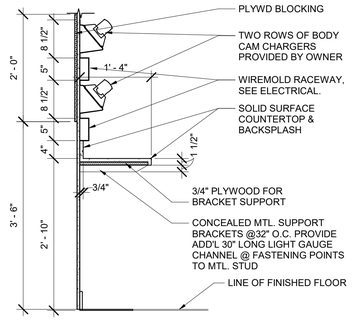
TYPICAL COUNTERTOP DETAIL @ SINK
13 3/4" = 1'-0"



TYPICAL CASEWORK DETAIL @ COUNTER
14 3/4" = 1'-0"



BREAK RM BUILT IN BENCH
15 3/4" = 1'-0"



TYPICAL CASEWORK DETAIL @ BODY CAM CHARGING STATION
16 3/4" = 1'-0"

GENERAL NOTES:
- PROVIDE RB-1 AT ALL CASEWORK TOEKICKS
- PROVIDE WHITE P-LAM INTERIOR SHELVING. TYP.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK EBWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:24 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19	PLAN SCALE: 3/4" = 1'-0"	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW	14SW20		PROPERTY MANAGER
	CONTRACT COMPLETION BOX					15SW19	PROFILE SCALE:	DATE:
						15SW20		

ARCHITECT: Frank Ebwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

CASEWORK TYPICAL DETAILS

NEW BUILDING DESIGN

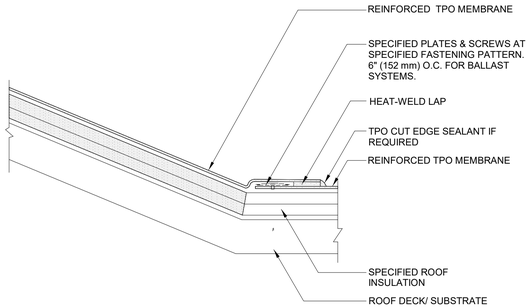
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-0627 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-515	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 145 OF 302
	DRAWING NUMBER
	2024-1458
	FILE NO.: 8

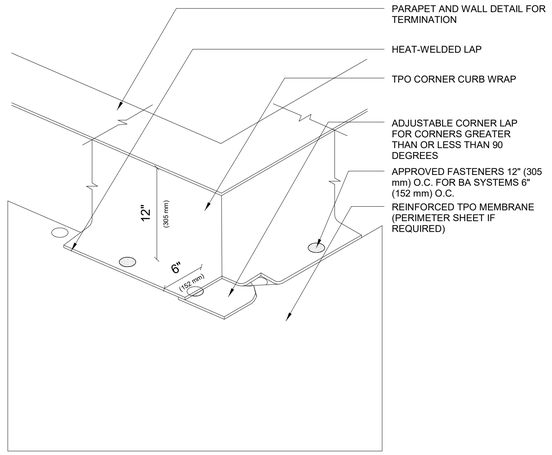


NOTES

1. 1. ANYTHING 1:12 OR GREATER NEEDS TO BE FASTENED AT ANGLE CHANGE.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

1 CHANGE OF DECK PLANE
12" = 1'-0"

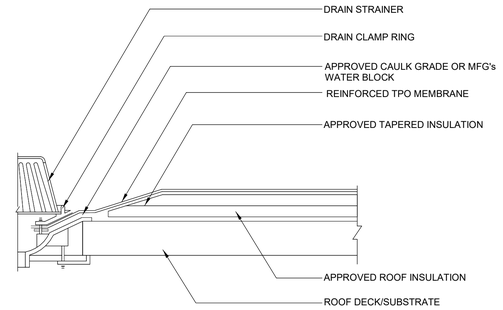
2- NOT USED



NOTES

1. FOUR CORNER CURB WRAP PIECES ARE NEEDED TO COMPLETE. VARYING SIZES MAY BE NEEDED TO COMPLETE.
2. CORNER WRAP MAY BE ADHERED OR INSTALLED DRY.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

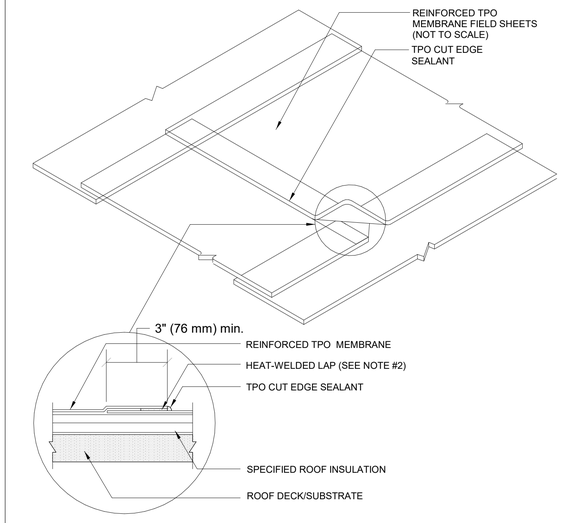
3 CORNER CURB WRAP
12" = 1'-0"



NOTES

1. A FIELD WELD CANNOT PASS WITHIN 9" (227 mm) OF THE CLAMPING, OR WITHIN THE DRAIN SUMP ITSELF.
2. MEMBRANE MUST EXTEND MINIMUM 1" (25.4 mm) BEYOND THE BOLT HOLES. THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPERED INSULATION TO CREATE A ROOF SUMP MINIMUM 36" (0.914 m) x 36" (0.914 m) IN SIZE. (IF APPLICABLE)
4. USE ONE FULL TUBE OF APPROVED CAULK GRADE SEALANT OR MFG's WATER BLOCK PER DRAIN.
5. ASPHALT OR STONE PAVER MUST STOP AT DRAIN TAPER.

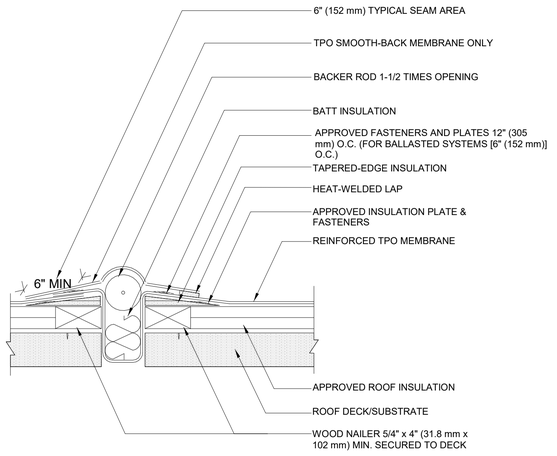
4 DRAIN - STANDARD ROOF DRAIN FLASHING
12" = 1'-0"



NOTES

1. T-JOINT PATCH REQUIRED FOR 60, 70 & 80 MIL TPO.
2. FOR HEAT-WELDING LAPS USE 1" MAX (25.4 mm) WELD WITH AUTOMATIC MACHINE WELDER AND 2" WELD WITH HAND WELDER.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

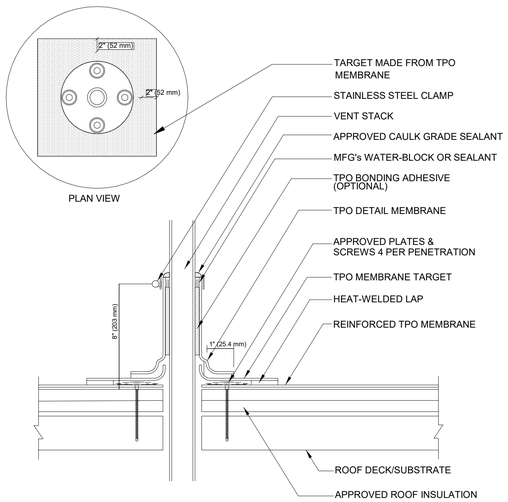
5 END LAP
12" = 1'-0"



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD-FABRICATED EXPANSION JOINT SHOULD NOT BE FLEECE-BACK OR SELF-ADHERING MEMBRANE. USE STANDARD TPO MEMBRANE.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

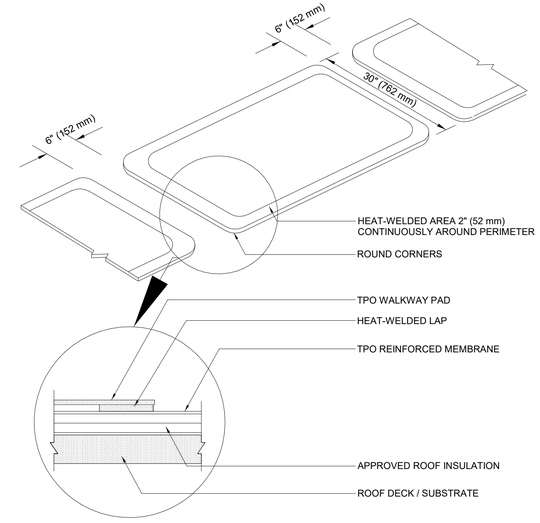
6 FIELD FABRICATED EXPANSION JOINT, FLAT TYPE
12" = 1'-0"



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. APPLY HEAT TO UNREINFORCED DETAIL MEMBRANE AND FORM BY HAND PRIOR TO HOT AIR WELDING.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

7 FIELD-WRAPPED PENETRATION FLASHING
12" = 1'-0"



NOTES

1. REMEMBER, DO NOT CROSS SEAMS WITH WALKWAY PADS 3" (76 mm) OFF EACH SEAM.
2. HEAT-WELD EDGE OF WALKWAY ROLLS CONTINUOUSLY.
3. REQUIRED AT ALL ROOF ACCESS POINTS.

8 HEAT WELDED WALKWAY
12" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:24 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:		
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	12" = 1'-0"
			PROFILE SCALE:	

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF DETAILS

NEW BUILDING DESIGN

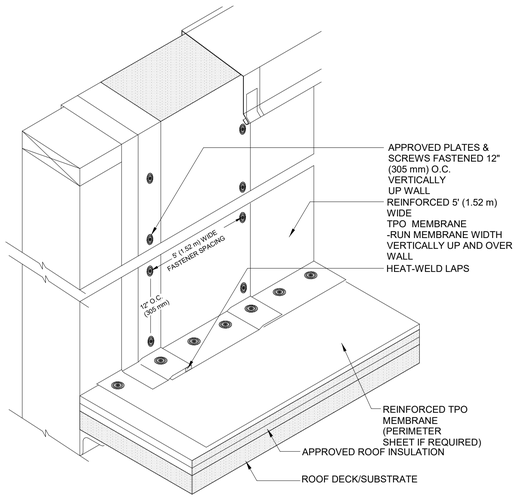
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

SHEET DESIGNATION	CONTRACT NUMBER
A-516	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 146 OF 302
	DRAWING NUMBER
	2024-1459
	FILE NO.: 8



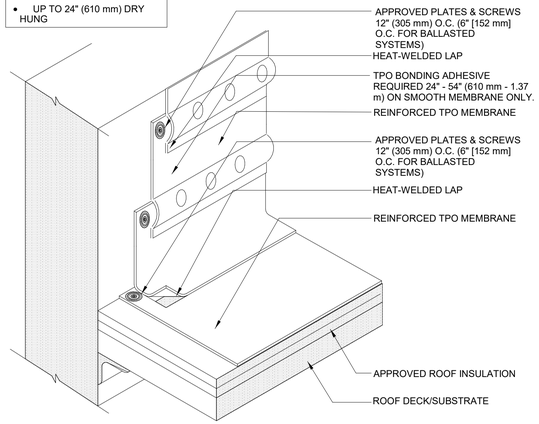
NOTES

1. WALL HEIGHTS OVER 10' (3.05 M) HIGH REQUIRE THE ENTIRE WALL TO BE FULLY ADHERED. UNDER 10' (3.05 m) CAN BE DRY HUNG WITHOUT ADHESIVE.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

1 HIGH WALL FLASHING 5' SHEETS
12" = 1'-0"

FLASHING KEY

- OVER 24" (610 mm) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG

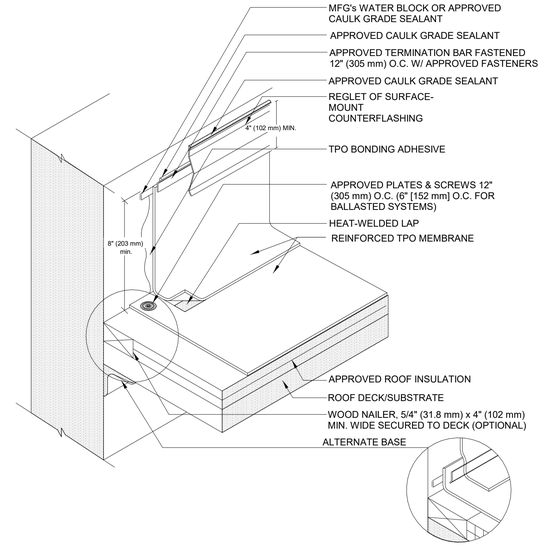


NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. 24" (610 mm) MAX. DIMENSION FOR LOOSE-APPLIED FLASHINGS.
3. 54" (1.37 m) MAX. DIMENSION FOR FULLY ADHERED FLASHINGS.
4. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

2 HIGH WALL FLASHING WITH PLATES AND FASTENERS
12" = 1'-0"

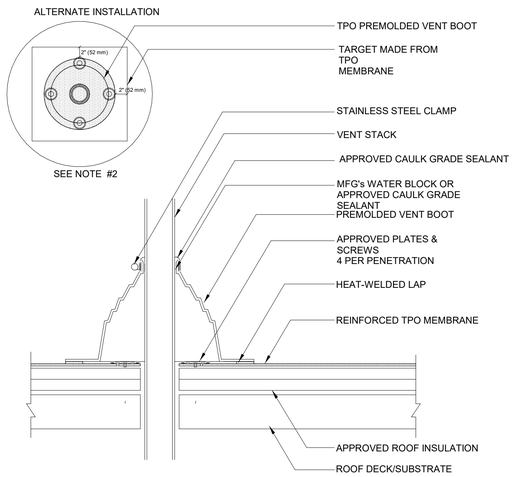
3 - NOT USED



NOTES

1. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

4 PARAPET WALL FLASHING WITH COUNTERFLASHING
12" = 1'-0"

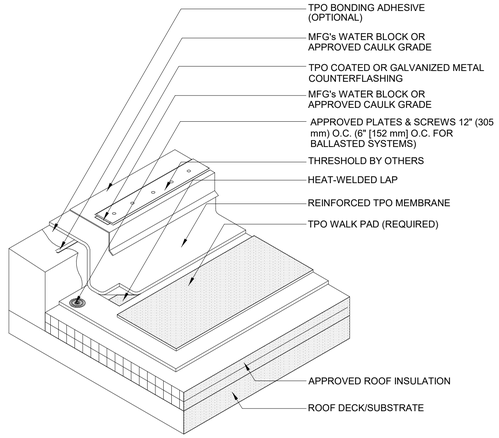


NOTES

1. DO NOT CUT SIDE OF PREMOLDED BOOT. IT MUST BE PULLED OVER VENT PIPE.
2. IF THE PLATES AND FASTENERS INTRUDE INTO BOOT FLANGE AREA, THEN A TARGET MUST FIRST BE INSTALLED OVER PLATES AND FASTENERS BEFORE BOOT INSTALLATION.
3. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
4. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

5 PREMOLDED VENT BOOT FLASHING
12" = 1'-0"

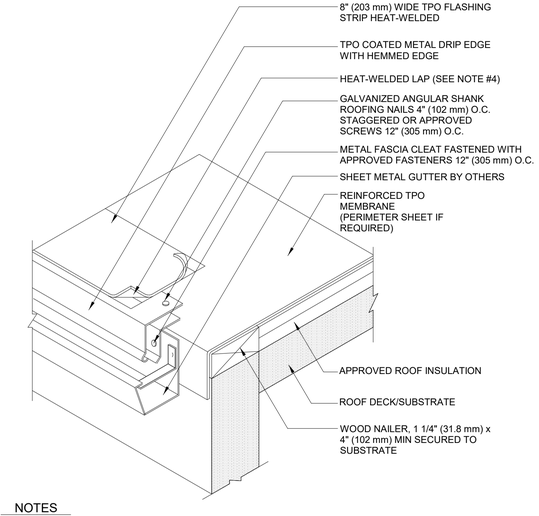
6 - NOT USED



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. WALKWAY PAD OR PAVER WITH SLIP SHEET REQUIRED AT ALL ROOF ACCESS POINTS. FOR BALLASTED ATTACHED SYSTEMS PAVER IN LIEU OF PAD AND BALLAST PER SPEC.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

7 THRESHOLD FLASHING DETAIL
12" = 1'-0"



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. A CONTINUOUS METAL CLEAT IS REQUIRED.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

8 TREMPLY TPO GUTTER WITH COATED METAL EDGE
12" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:25 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
		14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	12" = 1'-0"
R.O.W NO.	GSW		PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

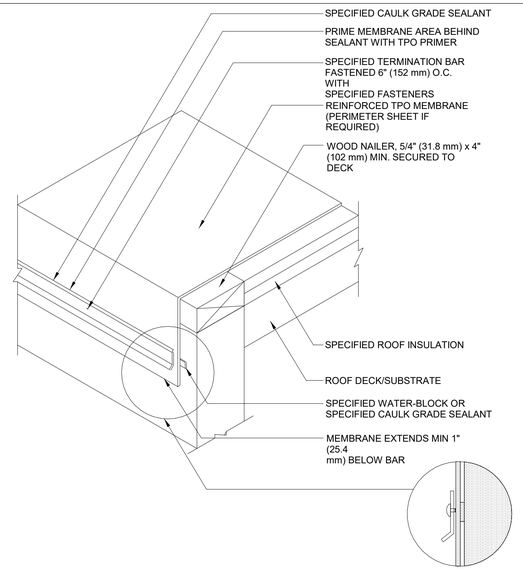
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

305 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4514 fax

226 West Market Street, York, Pennsylvania 17401 717-848-9927 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-517	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 147 OF 302
	DRAWING NUMBER 2024-1460
	FILE NO.: 8 REV. 03/22



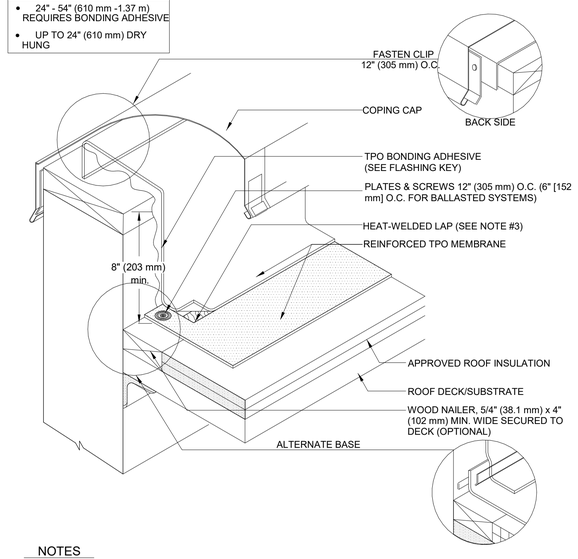
NOTES

1. 1. TERMINATION BAR MUST BE FASTENED 6" (152 mm) O.C. FOR THIS DETAIL.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

1 TREMPLY TPO TERMINATION BAR ROOF EDGE
12" = 1'-0"

FLASHING KEY

- 24" - 54" (610 mm -1.37 m) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG



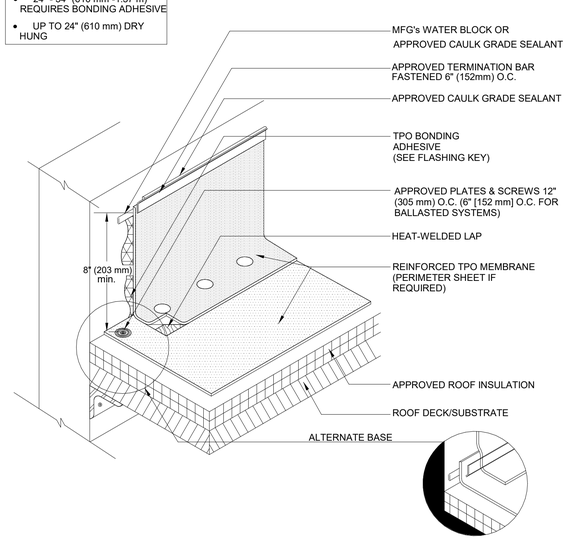
NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

2 WALL CAP
12" = 1'-0"

FLASHING KEY

- 24" - 54" (610 mm -1.37 m) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG



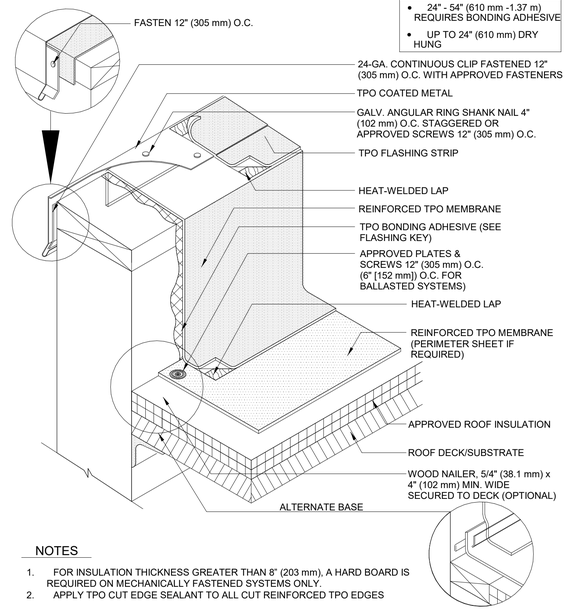
NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

3 WALL CURB FLASHING WITH TERMINATION BAR
12" = 1'-0"

FLASHING KEY

- 24" - 54" (610 mm -1.37 m) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG



NOTES

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2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

4 WALL FLASHING WITH COATED METAL EDGE
12" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:25 PM

PROFESSIONAL CERTIFICATION

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LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: 12" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

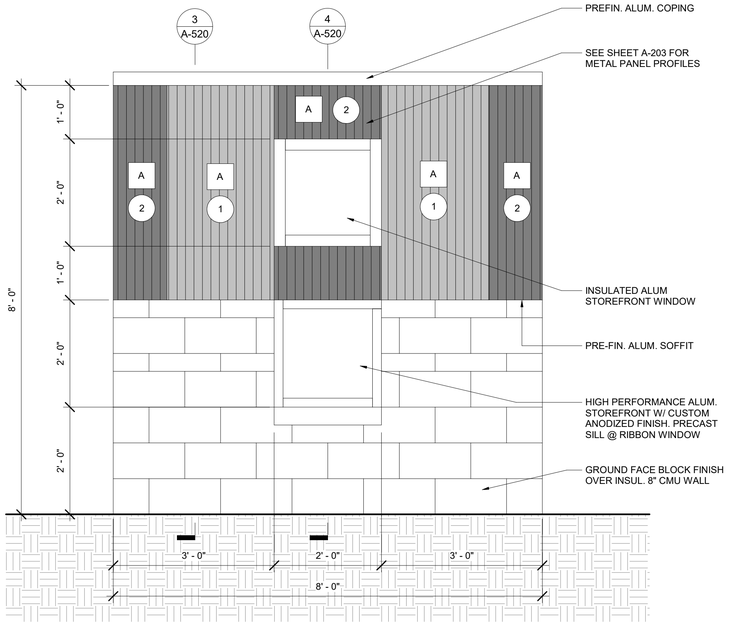
Murphy & Dittenhafer ARCHITECTS

209 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4634 fax

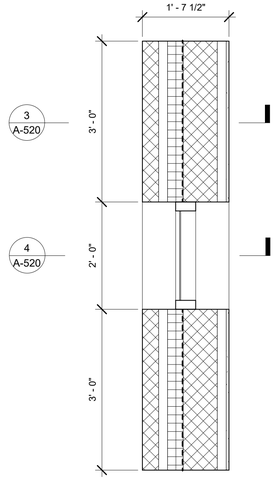
226 West Market Street, York, Pennsylvania 17401 717-848-9827 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-518	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 148 OF 302
	DRAWING NUMBER
	2024-1461

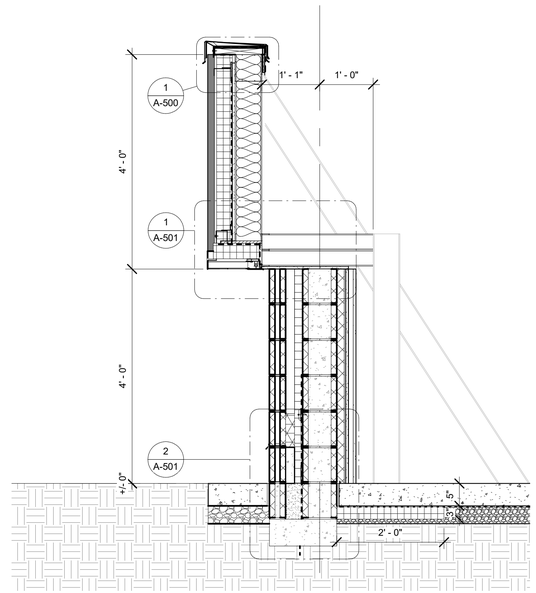
FILE NO.: 8 REV. 03/02



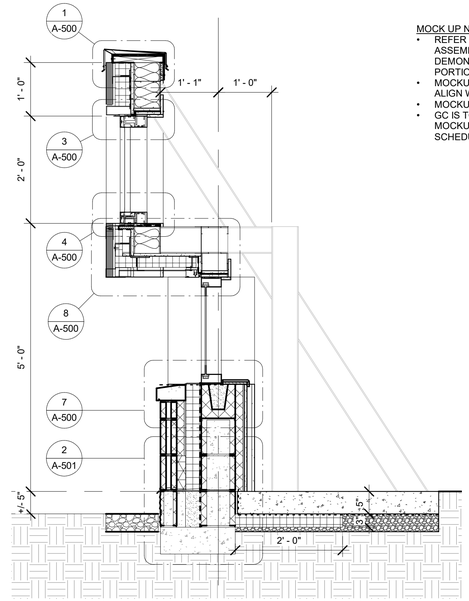
1 WALL MOCKUP - A ELEVATION
3/4" = 1'-0"



2 WALL MOCKUP PLAN - A
3/4" = 1'-0"



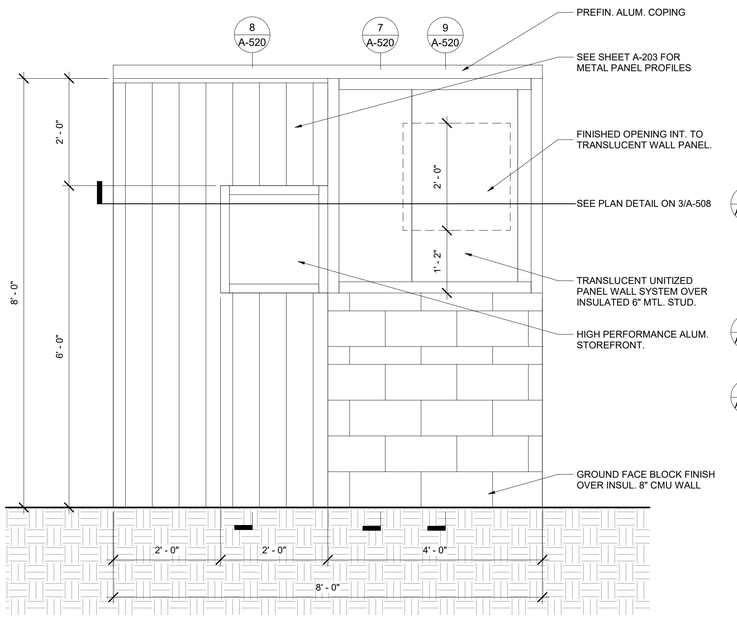
3 WALL MOCKUP A - SECTION 1
3/4" = 1'-0"



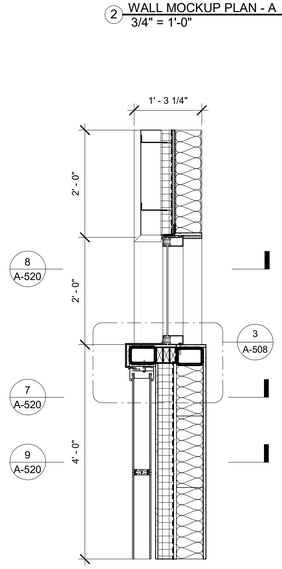
4 WALL MOCKUP A - SECTION 2
3/4" = 1'-0"

MOCK UP NOTES:

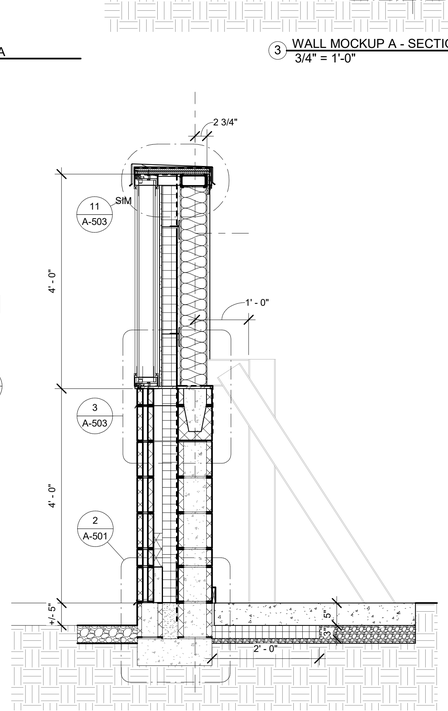
- REFER TO WALL SECTION AND DETAILS FOR ASSEMBLY. THE PURPOSE OF THE MOCKUP IS TO DEMONSTRATE THE COMPLETE ASSEMBLY IN PORTIONS DEFINED BY THE MOCKUP DRAWINGS.
- MOCKUP A IS TO BE ORIENTED NORTH EAST TO ALIGN W/ THE ORIENTATION OF THE FLOOR PLAN
- MOCKUP B IS TO BE ORIENTED NORTH.
- GC IS TO DETERMINE THE LOCATION FOR THE MOCKUP PANELS IN COORDINATION W/ PHASING SCHEDULE.



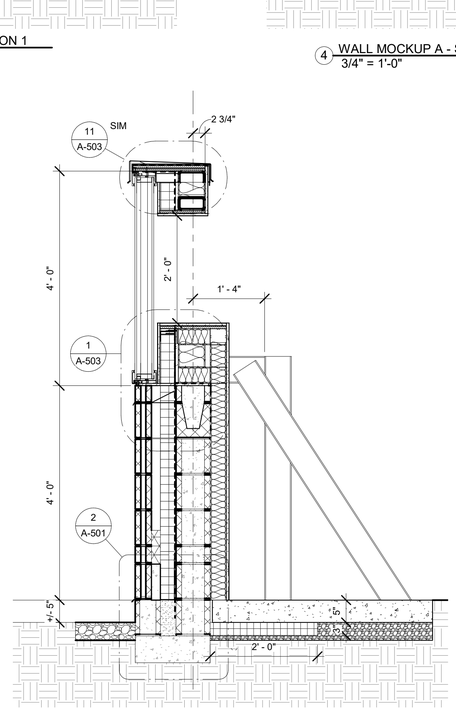
5 WALL MOCKUP - B ELEVATION
3/4" = 1'-0"



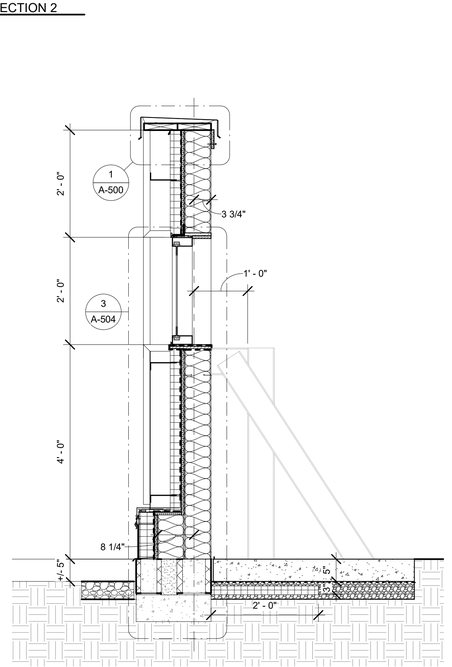
WALL MOCKUP PLAN - B
3/4" = 1'-0"



7 WALL MOCKUP B - SECTION 1
3/4" = 1'-0"



9 WALL MOCKUP B - SECTION 2
3/4" = 1'-0"



8 WALL MOCKUP B - SECTION 3
3/4" = 1'-0"

C:\Users\dlwg\Documents\2230A1 New Wilkens Police Precinct_dlwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS

830-North Charles Street, Baltimore, Maryland 21201 410-625-0622 voice 410-625-4619 fax

228 West Market Street, York, Pennsylvania 17401 717-845-3627 voice 717-845-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:27 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT

DWN BY: DWG/ AWU

CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 3/4" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MOCK UP PANELS & DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

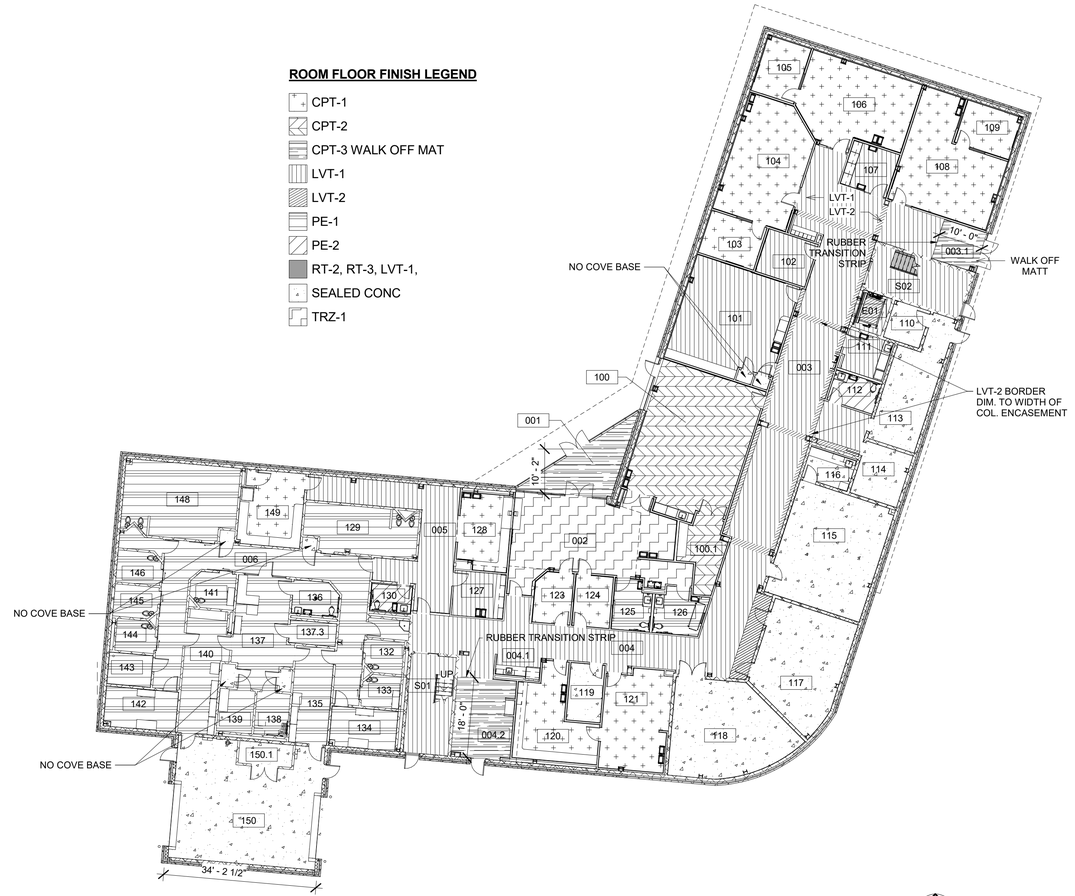
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-520	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 149 OF 302
	DRAWING NUMBER
	2024-1462
	FILE NO.: 8

ROOM FLOOR FINISH LEGEND

- CPT-1
- CPT-2
- CPT-3 WALK OFF MAT
- LVT-1
- LVT-2
- PE-1
- PE-2
- RT-2, RT-3, LVT-1,
- SEALED CONC
- TRZ-1



1 FIRST FLOOR FINISH PLAN
1/16" = 1'-0"

PROJECT NORTH

FIRST FLOOR - ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	CEILING FINISH	REMARKS
001	VEST.	CPT-3 WALK OFF MAT	RB-1	--	MASONRY	--	--	AWC-1	CONT. EXTERIOR GROUND FACED MASONRY PATTERN
002	LOBBY	TRZ-1	RB-1	GWB/ PT-1, PT-4	AWP-3, GWB/ PT-1, PT-4	AWP-1, GWB/PT-1, PT-7	WD-1, AWP-2, GWB/PT-1	AWC-1	SEE ELEVATIONS
003	CORD.	LVT-1 & LVT-2	RB-1	GWB/ PT-1, PT-4	GWB/PT-1, PT-4, PT-6	GWB/PT-1, PT-4, PT-7	GWB/PT-1, PT-4	ACT-2	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
003.1	CORD.	CPT-3 WALK OFF MAT	RB-1	GWB/PT-1, PT-5	ASF-1	GWB/PT-1, PT-5	ASF-1	ACT-2	
004	CORD.	LVT-1 & LVT-2	RB-1	GWB/PT-1, PT-4, PT-7	GWB/PT-1, PT-4	GWB/PT-1, PT-4, PT-5, PT-6, PT-7	GWB/PT-1, PT-4	ACT-2	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
004.1	KITCH	LVT-1	RB-1	PLAM-1	PLAM-1	PLAM-1	PLAM-1	GWB-1	
004.2	MUD RM	CPT-3 WALK OFF MAT	RB-1	GWB/PT-1, PT-4	GWB/PT-1, PT-4	GWB/PT-1	GWB/PT-1	ACT-1	
005	CORD.	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-1	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
006	CORD.	PE-1	PE-3 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-1	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
006.1	MECH.	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. EXP.	FCU closet
006.2	MECH.	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. EXP.	FCU closet
006.3	MECH.	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. EXP.	
100	COMMUNITY ROOM	CPT-2	RB-1	PT-1, PT-3, PT-4	PT-1, PT-3, PT-4	PT-1, PT-3, PT-4	PT-1, PT-3, PT-4	ACT-3	SEE PLAN AND SPECS FOR CPT PATTERN.
100.1	STOR.	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
101	ROLL CALL	LVT-1	RB-1	PT-1, PT-4	PT-1, PT-7	PT-3, PT-7	PT-1, PT-5, PT-7	ACT-2	
101.1	MECH.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. EXP.	
101.2	MECH.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. EXP.	
102	STORAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-2	
103	SUPERVISOR-A	CPT-1	RB-1	PT-7	PT-1	PT-1	PT-1	ACT-2	
104	SHIFT LEADERS-A	CPT-1	RB-1	PT-1	PT-1	PT-7	PT-1	ACT-2	
105	SUPERVISOR-B	CPT-1	RB-1	PT-1	PT-7	PT-7	PT-1	ACT-2	
106	SHIFT LEADERS-B	CPT-1	RB-1	PT-1	PT-1	PT-1, PT-7	PT-7	ACT-2	
107	WORK RM	LVT-1	RB-1	PT-1, PT-3	PT-1	PT-1	PT-1	ACT-1	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
108	SHIFT LEADERS-C	CPT-1	RB-1	PT-1, PT-7	PT-1, PT-7	PT-1	PT-1	ACT-2	
109	SUPERVISOR-C	CPT-1	RB-1	PT-1	PT-1	PT-7	PT-7	ACT-2	
110	STORAGE	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. EXP.	
111	WELLNESS	LVT-1	RB-1	PT-1	VWC-1	PT-1	PT-1	ACT-1	
112	TOILET	PE-2	PE-2 COVE	PT-1, CT-4	PT-1, CT-4	PT-1, CT-3	PT-1, CT-3	GWB-1	EPOXY PAINT FOR WET ROOM
113	MAIN ELEC.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. RATED GWB	
114	EMERGENCY ELEC.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. RATED GWB	
115	ARMORY	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	GWB-1	
116	G.C.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
117	GEAR	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
118	MECH.	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. EXP.	
119	IT	SEALED CONC	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
120	REPORT WRITING	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-2	
121	EVID. PROC.	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-2	
123	INT.	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB-1	PROVIDE SPRAY ACOUSTICAL COATING ON THE CEILING
124	INT.	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	GWB-1	PROVIDE SPRAY ACOUSTICAL COATING ON THE CEILING
125	REST.	PE-1	PE-2 COVE	PT-1, CT-3	PT-1, CT-2	PT-1, CT-2	PT-1, CT-2	GWB-1	EPOXY PAINT FOR WET ROOM
126	REST.	PE-1	PE-2 COVE	PT-1, CT-3	PT-1, CT-2	PT-1, CT-2	PT-1, CT-2	GWB-1	EPOXY PAINT FOR WET ROOM
127	OFF. SUPP.	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
128	FRONT DESK	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
129	F. PEN.	PE-1	PE-1 COVE	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	ACT-5	
130	TOILET	PE-2	PE-1 COVE	CT-3, GWB/PT-1	CT-3, GWB/PT-1	CT-4, GWB/PT-1	CT-4, GWB/PT-1	GWB-1	EPOXY PAINT FOR WET ROOM
131	J.C.	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	EPOXY PAINT FOR WET ROOM
132	HOLD	PE-1	PE-1 COVE	AWP-2	AWP-2	AWP-2	AWP-2	ACT-5	
133	TEMP	PE-1	PE-1 COVE	AWP-2	AWP-2	AWP-2	AWP-2	ACT-5	
134	INT/BAIL	PE-1	PE-1 COVE	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	ACT-5	
135	F PROC.	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	
136	ADA TOILET	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	EPOXY PAINT FOR WET ROOM
137	PROC. AREA	PE-1	PE-1 COVE	AWP-1, GWB/PT-1	AWP-1, GWB/PT-1	AWP-1/PT-1	AWP-1, GWB/PT-1	ACT-5	
137.1	MECH.	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. GWB	FCU closet
137.2	MECH.	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. GWB	FCU closet
137.3	MATS	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	
138	STP SRCH	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	EPOXY PAINT FOR WET ROOM
139	INTOX	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	
140	M PROC.	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	ACT-5	
141	TEMP	PE-1	PE-3 COVE	AWP-2	AWP-2	AWP-2	AWP-2	ACT-5	
142	INT / BAIL	PE-1	PE-1 COVE	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	ACT-5	
143	INT	PE-1	PE-1 COVE	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	ACT-5	
144	HOLD	PE-1	PE-3 COVE	CMU/PT-1, PT-7	CMU/PT-1, PT-7	CMU/PT-1, PT-7	AWP-2, CMU/PT-1, PT-7	ACT-5	
145	HOLD	PE-1	PE-3 COVE	AWP-2	AWP-2	AWP-2	AWP-2	ACT-5	
146	HOLD	PE-1	PE-3 COVE	AWP-2	AWP-2	AWP-2	AWP-2	ACT-5	
148	M. PEN.	PE-1	PE-3 COVE	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	ACT-5	
149	CONTROL DESK	CPT-1	RB-1	GWB/PT-5, PT-7	GWB/PT-5, PT-7	GWB/PT-5, PT-7	GWB/PT-5, PT-7	ACT-2	
149.1	MECH.	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PTD. GWB	
150	SALLY PORT	SEALED CONC	RB-1	GWB/PT-7	GWB/PT-7	GWB/PT-7	GWB/PT-7	PTD. EXP.	
150.1	STOR.	SEALED CONC	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB-1	
E01	ELEVATOR	LVT-1		--	--	--	--	SEE SPEC.	
S01	STAIR 1	RT-2, RT-3, LVT-1,	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. GWB	LVT-1 ON FOOR, RT-2 ON LANDINGS & RT-3 ON STAIR TREADS
S02	STAIR 2	RT-2, RT-3, LVT-1,	RB-1	PT-1	PT-1	PT-1	PT-1	PTD. GWB	LVT-1 ON FOOR, RT-2 ON LANDINGS & RT-3 ON STAIR TREADS

C:\Users\dwg\Documents\22130A1 New Wilkens Police Precinct_dwgQZ_NS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:33 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

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BY: DATE:

DGN BY: JAT

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CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	GSW	14SW19 14SW20 15SW19 15SW20
R.O.W NO.		

DRAWING SCALE

PLAN SCALE: 1/16" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR FINISH PLAN & SCHEDULE

NEW BUILDING DESIGN

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A-600	24111 PPO
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	SHEET 150 OF 302
	DRAWING NUMBER
	2024-1463
	FILE NO.: 8 REV. 03/03

ROOM FLOOR FINISH LEGEND

- --
- CPT-1
- CT-4
- LVT-1
- LVT-2
- PE-1
- PE-2
- PE-3
- RT-1
- RT-2, RT-3, LVT-1,

1 SECOND FLOOR FINISH PLAN
1/16" = 1'-0"

PROJECT NORTH

SECOND FLOOR - ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	CEILING FINISH	FLOOR FINISH	BASE FINISH	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	REMARKS
003.2	EXT. MECH WELL	--	--	--	--	--	--	--	
007	CORD.	ACT-1	LVT-1 & LVT-2	RB-1	PT-1, PT-5	PT-1, PT-5	--	PT-1, PT-5	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
008	CORD.	ACT-2	LVT-1 & LVT-2	RB-1	PT-1, PT-7	PT-1, PT-4	PT-1, PT-3,	PT-1, PT-4	LVT-1 FIELD W/ LVT-2 ACCENT. SEE PLANS
009	LOUNGE	AWC-1	CPT-1	RB-1	PT-5, PT-7	--	--	--	
201	STORAGE	ACT-1	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
202	INVESTIGATIVE SERVICE TEAM	ACT-2	CPT-1	RB-1	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	
203	OFFICE	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1, PT-4	
204	LT OFFICE	ACT-1	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1, PT-4	
205	OFFICE SUPPLY	ACT-1	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
206	RECORDS	ACT-2	LVT-1	RB-1	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	
207	TRAFFIC/ BPI	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	ASF-1, PT-1	
207.1	CLOSET	PTD. EXP.	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
208	OFFICE	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	ASF-1, PT-1	
209	BREAK RM.	ACT-2	LVT-1	RB-1	PT-1, CT-3	PT-1, PT-4	PT-1, AWP-2	AWP-2	
209.1	CLOSET	ACT-1	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
210	CONFERENCE/ FLEX	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	
211	CAP. SUITE	ACT-2	CPT-1	RB-1	PT-1, PT-7	PT-1	PT-1	PT-1	
211.1	OPEN FILE	ACT-2	CPT-1		PT-1	PT-7	--	PT-1	
213	L.T. OFFICE	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-7	PT-7	
215	CONFERENCE	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	
216	CAPTAIN'S OFFICE	ACT-2	CPT-1	RB-1	PT-1	PT-4	PT-1	PT-1	
216.1	CAPT. TOILET	GWB-1	PE-1	PE-1 COVE	PT-1, CT-2	PT-1, CT-3	PT-1, CT-3	PT-1, CT-2	EPOXY PAINT FOR WET ROOM
216.2	DRESS	ACT-1	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
217	C.A.T.	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
217.1	CL	PTD. EXP.	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
217.2	CLOSET	GWB-1	CPT-1		PT-1	PT-1	PT-1	PT-1	
218	OFFICE	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
219	OUT/ SRO/ DVC	ACT-2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
219.1	CL	PTD. EXP.	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
220	OFFICE	ACT-2	CPT-1	RB-1	PT-7	PT-1	PT-1	PT-1	
221	STORAGE	ACT-2	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
222	TOILET	GWB-1	PE-2	PE-2 COVE	PT-1, CT-4	PT-1, CT-3	PT-1, CT-3	PT-1, CT-3, CT-4	EPOXY PAINT FOR WET ROOM
223	IT	ACT-1	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
224	FITNESS	ACT-2	RT-1	RB-1	PT-3	PT-3, PT-7	PT-4	PT-7	
224.1	STOR.	ACT-2	RT-1	RB-1	PT-3	PT-3	PT-3	PT-3	
225	J.C.	GWB-1	PE-2	PE-2 COVE	PT-1	PT-1	PT-1	PT-1	SEE ELEVATIONS. CT-3 & CT-4 FOR RESTROOMS. EPOXY PAINT FOR WET ROOM
226	STOR.	ACT-1	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	
227	WELLNESS	ACT-1	LVT-1	RB-1	PT-1, PT-4	VWC-1	PT-1, PT-4	VWC-1	
228	GN. LOCKER RM	ACT-4	PE-3	PE-3 COVE	PT-1, CT-3	PT-1, CT-3	PT-1, CT-3	PT-1, CT-3	SEE ELEVATIONS. CT- FOR RESTROOMS. EPOXY PAINT FOR WET ROOM
229	WOMEN'S LOCKER RM	ACT-4	PE-3	PE-3 COVE	PT-1, CT-4, CT-3	PT-1, CT-4, CT-3	PT-1, CT-4, CT-3	PT-1, CT-4, CT-3	SEE ELEVATIONS. CT-3 & CT-4 FOR RESTROOMS. EPOXY PAINT FOR WET ROOM
230	MEN'S LOCKER RM	ACT-4	PE-3	PE-3 COVE	PT-1, CT-4, CT-3	PT-1, CT-4, CT-3	PT-1, CT-4, CT-3	PT-1, CT-3, CT-4	SEE ELEVATIONS. CT-3 & CT-4 FOR RESTROOMS. EPOXY PAINT FOR WET ROOM
S01.1	STAIR 1	PTD. EXP.	RT-2, RT-3, LVT-1,	RB-1	PT-1	PT-1	PT-1	PT-1	LVT-1 ON FOOR, RT-2 ON LANDINGS & RT-3 ON STAIR TREADS
S02.1	STAIR 2	PTD. EXP.	RT-2, RT-3, LVT-1,	RB-1	PT-1	PT-1	PT-1	PT-1	LVT-1 ON FOOR, RT-2 ON LANDINGS & RT-3 ON STAIR TREADS

C:\Users\dhay\Documents\22130A1 New Wilkens Police Precinct_dhayQZANS.rvt

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4610 fax
224 West Market Street, York, Pennsylvania 17401 717-848-6927 voice 717-843-3488 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:19:39 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: 1/16" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DGN BY:	DWN BY:	CHKD BY:
JAT	DWG/ AWU	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR FINISH PLAN & SCHEDULE

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
A-601	24111 PPO

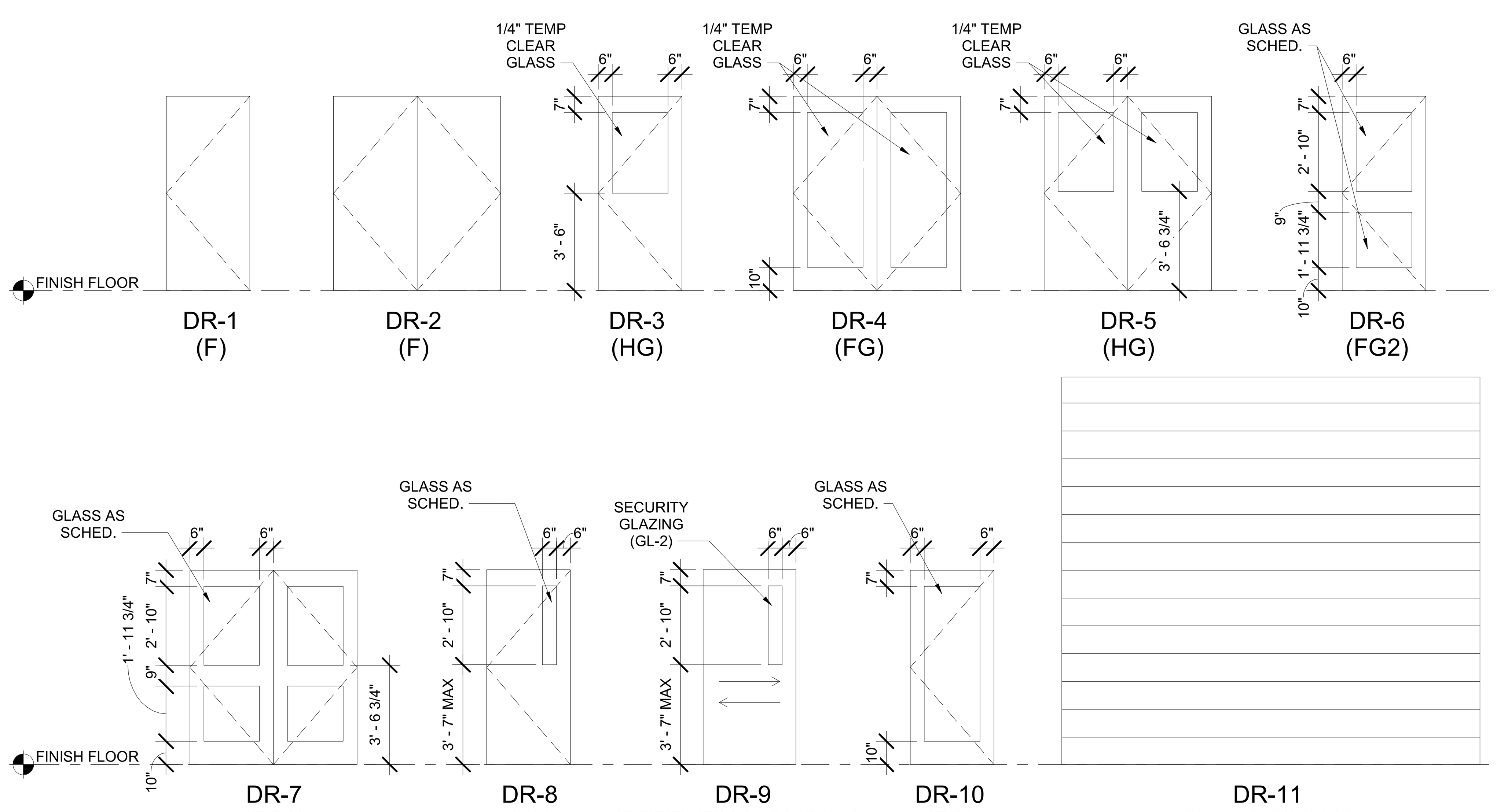
JOB ORDER NUMBER	300200006
SHEET	151 OF 302
DRAWING NUMBER	2024-1464
FILE NO.:	8 REV: 03/00

DOOR SCHEDULE

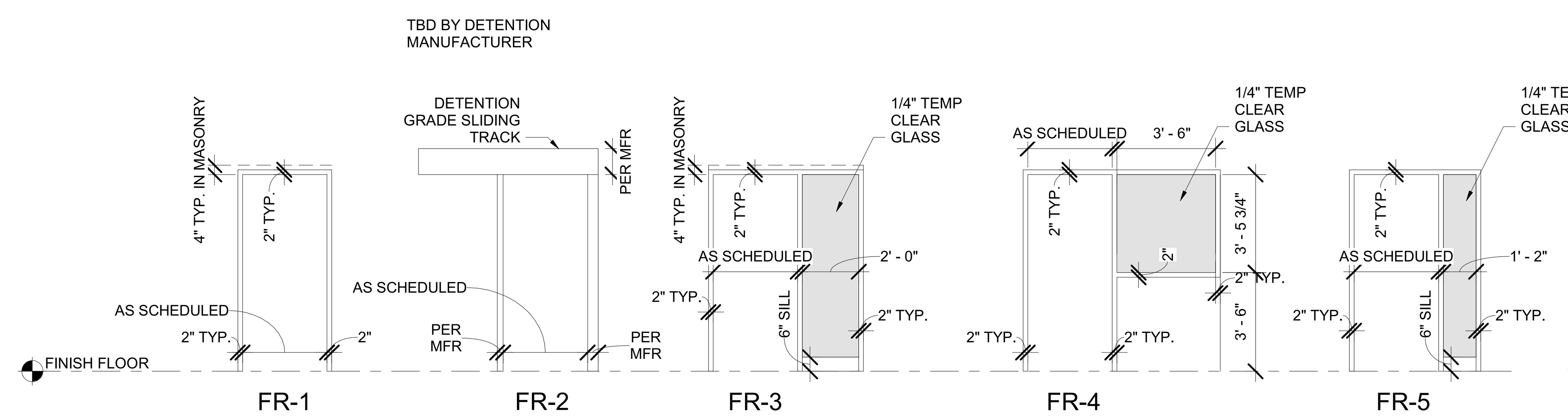
MARK	DOOR SIZE			DOOR			FRAME			CONSTRUCTION DETAILS			FUNCT.	HDW Set	FIRE RATING	COMMENTS & GLAZING. IF NOT NOTED GLAZING TO BE GL-6
	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL				
001	6' - 0"	7' - 0"	1 3/4"	DR-5	ALUM.	PTD ALUM	FR-1	ALUM	ALUM.	H5	J6	S3		1		Storefront. Level 5 Ballistic Glazing, GL-4. CR on ext. side controlled by front desk.
002A	6' - 0"	7' - 0"	1 3/4"	DR-5	ALUM	PTD ALUM	FR-1	ALUM.	ALUM.	H5	J6	S3		1		Storefront. CR on ext. side controlled by front desk.
002B	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	OF	11.4		Access Control, CR to Lobby 002. - Level 3 BALLISTIC PANEL
003	6' - 0"	7' - 0"	1 3/4"	DR-5	HM	PTD HM	FR-1	HM	PTD HM	H5	J6	S3	OF	1.2		Storefront. Access Control, CR to Exterior. Sound Gasketing.
004	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H8	J7	S1	OF	1.2		Access Control, Exterior CR
005	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	IS	11		Access Control, CR on Exterior & Interior.
006	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	IS	11		Access Control, CR on Exterior & Interior, Sound Gasketing. GL-7
006A	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	9		Louvered, Mechanical Keyed for Facilities. Sound Gasketing.
006B	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	9		Louvered, Mechanical Keyed for Facilities. Sound Gasketing.
006C	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	9.1		Storage Closet Keyed. Sound Gasketing. Precinct Key Copy.
008	4' - 0"	7' - 0"	1 3/4"	DR-1	IHM	PTD HM	FR-1	HM	PTD HM	H10	J11	S6	ST	9.5		SILL UP ON 7" CURB. ACCESS CONTROL. CR from Mech. Well 003.2, Sound Gasketing.
100A	6' - 0"	7' - 0"	1 3/4"	DR-7	WD	PTD HM	FR-1	HM	PTD HM	H4	J4	S1	ST	11.5		CR from Lobby. Level 3 Ballistic Panel & GL-8. Locked from Lobby. CR on ext. side controlled by front desk.
100B	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	ST	11.1		Access Control, CR Int. Side of Community Room 100.
100C	3' - 0"	7' - 0"	1 3/4"	DR-6	ALUM	PTD ALUM	FR-1	ALUM	ALUM.	H7	J6	S3	EO	1.5		Storefront. Level 5 Ballistic Panel & Glazing. Sound Gasketing.
100D	5' - 8"	7' - 0"	1 3/4"	DR-2	WD	WD-1	FR-1	HM	PTD HM	H4	J4	S1	PA	8.1		
101A	3' - 0"	7' - 0"	1 3/4"	DR-3	WD	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PA	7		Sound Gasketing.
101B	3' - 0"	7' - 0"	1 3/4"	DR-3	WD	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PA	7		Sound Gasketing.
101C	2' - 8"	7' - 0"	1 3/4"	DR-1	WD	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	ST	9.4		Louvered, Mechanical Keyed for Facilities
101D	2' - 8"	7' - 0"	1 3/4"	DR-1	WD	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	ST	9.4		Louvered, Mechanical Keyed for Facilities
102	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	ST	8.1		Sound Gasketing.
103	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	HM	PTD HM	H3	J3, J5	S1	OF	6		HM STOREFRONT. Sound Gasketing.
104	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3, J5	S3	OF	5		HM STOREFRONT. Sound Gasketing.
105	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	HM	PTD HM	H3	J3, J5	S1	OF	6		HM STOREFRONT. Sound Gasketing.
106	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H4	J4, J5	S3	OF	5		HM STOREFRONT. Sound Gasketing.
107	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H4	J4, J5	S3	PA	7		Sound Gasketing.
108	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3, J5	S3	OF	5		HM STOREFRONT. Sound Gasketing.
109	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	HM	PTD HM	H3	J3, J5	S1	OF	6		HM STOREFRONT. Sound Gasketing.
110	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	8	1 HOUR	Sound Gasketing.
111	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PR	2		Sound Gasketing. Indicator deadbolt mortises.
112	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PR	2		Sound Gasketing. Indicator deadbolt mortises.
113A	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	9.2	45 MIN	Sound Gasketing.
113B	3' - 0"	7' - 0"	1 3/4"	DR-1	IHM	PTD HM	FR-1	IHM	PTD HM	H8	J7	S1	EO	9.3		Insulated door Sound Gasketing.Panic Bar.
114	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	9.2	90 MIN	Sound Gasketing.
115	3' - 0"	7' - 0"	1 3/4"	DR-3	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	11.2		Access Control, CR from 003. Sound Gasketing.
116	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	PA	7		
117A	3' - 0"	7' - 0"	1 3/4"	DR-3	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	8		Sound Gasketing.
117B	3' - 0"	7' - 0"	1 3/4"	DR-3	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	8		Sound Gasketing.
118	6' - 0"	6' - 8"	1 3/4"	DR-2	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1	ST	11.6		CR to Mechanical 118, Sound Gasketing.
119	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	ST	3		Access Control, Sound Gasketing.
120	3' - 0"	7' - 0"	1 3/4"	DR-3	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PA	7		Sound Gasketing.
121A	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	OF	4		CR on Corr. Side, Sound Gasketing.
121B	3' - 0"	7' - 0"	1 3/4"	DR-8	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	OF	4		CR on RM 120 side, Sound Gasketing
123A	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	TBD	11.4		CR on exterior side. Level 3 Ballistic Panel. Sound Gasketing.
123B	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	IS	11		Access Control, CR on both sides. Sound Gasketing.
124A	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	TBD	11.4		CR on exterior side. Level 3 Ballistic Panel. Sound Gasketing.
124B	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	IS	11		Access Control, CR on both sides. Sound Gasketing.
125	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	PR	2		Level 3 Ballistic Panel. Sound Gasketing. Occupancy Indicator, kick plate
126	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S3	PR	2		Level 3 Ballistic Panel. Sound Gasketing. Occupancy Indicator, kick plate
127	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	PA	7		
129	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10		Detention sliding door, remotely released
130	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S2	PR	2		Occup. indicator. Sound Gasketing. Frame to account for furring
131	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	9.1		Detention Grade HDW, keyed. Sound Gasketing.
132	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10		Detention sliding door, remotely released. GL-2
133	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10		Detention sliding door, remotely released. GL-2
134	3' - 0"	6' - 8"	1 3/4"	DR-8	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	IS	10.1		CR on both sides. Detention Grade HDW, keyed, to be discussed. Sound Gasketing. GL-2

DOOR SCHEDULE

MARK	DOOR SIZE			DOOR			FRAME			CONSTRUCTION DETAILS			FUNCT.	HDW Set	FIRE RATING	COMMENTS & GLAZING. IF NOT NOTED GLAZING TO BE GL-6
	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL				
135A	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H1	J1	S2	IS	10.2		Access Control, CR to Sally Port 150, Intercom, remote buzzer release. Sound Gasketing. GL-7
135B	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	PA	10.3		Sound Gasketing. Detention Grade HDW, No
135C	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	PA	10.3		Sound Gasketing. Detention Grade HDW. GL-7
136	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	PA	10.3		Detention Grade HDW, No
137A	3' - 0"	6' - 8"	1 3/4"	DR-3	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	IS	10.4		Storefront. Access Control, CR on Exterior & Interior, Sound Gasketing. GL-7
137B	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S2	ST	9		Louvered, Mechanical Keyed for Facilities. Sound Gasketing.
137C	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S2	ST	9		Louvered, Mechanical Keyed for Facilities. Sound Gasketing.
137D	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S2	ST	8		
138	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	10.5		Detention Grade HDW, keyed, to be discussed. Sound Gasketing. Door stop.
139	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	ST	10.5		Detention Grade HDW, keyed, to be discussed. Sound Gasketing. Door stop.
140A	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H1	J1	S2	IS	10.2		Access Control, CR to Sally Port 150, Intercom, remote buzzer release. Sound Gasketing. GL-7
140B	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	PA	10.3		Sound Gasketing. Detention Grade HDW. GL-7
140C	3' - 0"	6' - 8"	1 3/4"	DR-1	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	PA	10.3		Sound Gasketing. Detention Grade HDW. GL-7
141	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10		Detention sliding door, remotely released. GL-2
142	3' - 0"	6' - 8"	1 3/4"	DR-8	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	IS	10.1		CR on both sides. Detention Grade HDW, keyed, to be discussed. Sound Gasketing. GL-2
143	3' - 0"	6' - 8"	1 3/4"	DR-8	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S2	IS	10.1		CR on both sides. Detention Grade HDW, keyed, to be discussed. Sound Gasketing. GL-2
144	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10.1		Detention sliding door, remotely released. GL-2
145	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10.1		Detention sliding door, remotely released. GL-2
146	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10.1		Detention sliding door, remotely released. GL-2
148	3' - 0"	7' - 0"	1 3/4"	DR-9	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S4	IS	10.1		Detention sliding door, remotely released
149	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S2	OF	6		
149A	3' - 0"	6' - 8"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H4	J4	S1	PA	7		Sound Gasketing.
150A	14' - 0"	12' - 0"	0"	DR-11	INSUL. MTL	-	FR-1	MTL	-	H10	J10	S5	OHD AC	1.3		Remote open from front desk, Coiling O.H.D.
150B	14' - 0"	12' - 0"	0"	DR-11	INSUL. MTL	-	FR-1	MTL	-	H10	J10	S5	OHD AC	1.3		Remote open from front desk, Coiling O.H.D.
150C	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H8	J7	S2	DL	1.1		CR on Exterior & Interior, Intercom, remote buzzer release
150D	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H8	J7	S1	DL	1.1		CR on Exterior & Interio, Intercom, remote buzzer release
150E	6' - 0"	7' - 0"	1 3/4"	DR-2	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S1	ST	8		
201	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S3	ST	8.1		
202	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	HM	PTD HM	H3	J3, J5	S1	OF	5		HM STOREFRONT. Sound Gasketing.
203	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-3	HM	PTD HM	H3	J3, J5	S1	OF	6		HM STOREFRONT. Sound Gasketing.
204	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	HM	PTD HM	H3	J3, J5	S1	OF	6		HM STOREFRONT. Sound Gasketing.
206	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S3	OF	6		
207A	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3	S3	OF	5		HM STOREFRONT. Sound Gasketing.
207B	2' - 6"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S3	PA	7		
208	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-3	HM	PTD HM	H3	J3	S3	OF	6		HM STOREFRONT. Sound Gasketing.
209A	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3	S3	PA	7		
209B	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S3	PA	7		
210A	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H4	J4	S4	OF	5		HM STOREFRONT. Sound Gasketing.
210B	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S3	PA	5		HM STOREFRONT. Sound Gasketing.
211	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3, J5	S3	OF	5		HM STOREFRONT. Sound Gasketing.
213	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-4	IHM	PTD HM	H3	J3	S1	OF	6		HM STOREFRONT. Sound Gasketing.
215	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	S-5	HM	PTD HM	H4	J4	S4	PA	5		HM STOREFRONT. Sound Gasketing.
216A	3' - 0"	7' - 0"	1 3/4"	DR-15	WD	WD-1	FR-5	HM	PTD HM	H3	J3	S3	OF	6		HM STOREFRONT. Sound Gasketing.
216B	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PA	7		Sound Gasketing.
216C	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PR	2.1		Sound Gasketing. No indicator.
217A	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-3	HM	PTD HM	H3	J3	S3	OF	5		HM STOREFRONT. Sound Gasketing.
217B	6' - 0"	7' - 0"	1 3/4"	DR-2	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PA	7		
217C	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H6	J9	S1	PA	7		
218	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-3	HM	PTD HM	H3	J3	S1	OF	6		HM STOREFRONT. Sound Gasketing.
219A	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-3	HM	PTD HM	H6	J9	S1	OF	5		HM STOREFRONT. Sound Gasketing.
219B	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PA	7		Sound Gasketing.
220	3' - 0"	7' - 0"	1 3/4"	DR-6	WD	WD-1	FR-3	HM	PTD HM	H6	J9	S3	OF	6		HM STOREFRONT. Sound Gasketing.
221	2' - 6"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J4	S1	ST	8.1		
222	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J4	S1	PR	2.1		Sound Gasketing. Indicator.
223	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H3	J3	S1	ST	3		Sound Gasketing. IT access control CR.
224	6' - 0"	7' - 0"	1 3/4"	DR-5	ALUM	PTD ALUM	FR-1	ALUM	ALUM.	H7	J6	S3	PA	7		Storefront.
224A	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PA	7		
225	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	ST	8.1		
226	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	ST	8.1		
227	3' - 0"	7' - 0"	1 3/4"	DR-1	WD	WD-1	FR-1	HM	PTD HM	H3	J3	S1	PR	2.1		Sound Gasketing. Indicator.
228	3' - 0"	7' - 0"	1 3/4"	DR-8	WD	WD-1	FR-1	HM	PTD HM	H4	J4	S1	PA	7		Sound Gasketing
229	3' - 0"	7' - 0"	1 3/4"	DR-8	HM	WD-1	FR-1	HM	PTD HM	H4	J4	S1	PA	7		Sound Gasketing
230	3' - 0"	7' - 0"	1 3/4"	DR-8	WD	WD-1	FR-1	HM	PTD HM	H4	J4	S1	PA	7		Sound Gasketing.
S01A	3' - 0"	7' - 2"	1 3/4"	DR-1											1 HOUR	GL-5 1hr rated.
S01B	3' - 0"	7' - 0"	1 3/4"	DR-1	HM	PTD HM	FR-1	HM	PTD HM	H8	J7	S1	EO	1.4		Access Control, Exterior CR.
S01C	3' - 0"	7' - 2"	1 3/4"	DR-1											1 HOUR	GL-5 1hr rated.
S02A	3' - 0"	7' - 2"	1 3/4"	DR-1											1 HOUR	GL-5 1hr rated.
S02B	3' - 0"	7' - 0"	1 3/4"	DR-1	HM - 1 HR	PTD HM	FR-1	HM	PTD HM	H8	J7	S1	EO	11.3		Access Control, Exterior CR. Sound Gasketing.
S02C	3' - 0"	7' - 2"	1 3/4"	DR-1											1 HOUR	GL-5 1hr rated.



DOOR PANEL TYPES
1/4" = 1'-0"



DOOR FRAME TYPES
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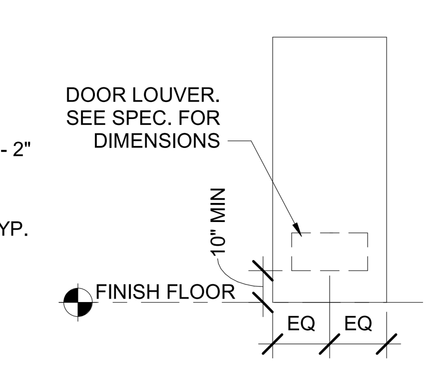


DOOR LOUVER
1/4" = 1'-0"

GENERAL NOTES - DOORS

- GC SHALL ONLY PROVIDE INFRASTRUCTURE FOR ACCESS CONTROL DEVICES. CONTRACTOR SHALL COORDINATE INSTALLATION WITH OWNER'S IT/ AV CONTRACTOR. CR DEVICES ARE NOTED IN DOOR SCHEDULE & TA DWG. SEE TA DWG. FOR WIRING DIAGRAMS.
- CONTRACTOR SHALL PROVIDE ALL OTHER DOOR HDW, INCLUDING ELECTRIC STRIKES.
- ALL INT. HM FRAMES TO RECEIVE SF1 PTD COLOR TO BE SELECTED BY ARCH.
- ALL EXT. HM FRAMES TO RECEIVE SF2 PTD COLOR TO BE SELECTED BY ARCH.
- FINISH FOR INTERIOR DOORS AND FF3 FINISH FOR EXTERIOR DOORS. SEE FINISH SPEC.
- DOORS ARE 1-3/4" THICK UNLESS NOTED OTHERWISE.
- DOORS TO HAVE A 3/4" UNDERCUT UNLESS NOTED OTHERWISE.
- BOTTOM 10" MIN. OF PUSH SIDE OF DOOR TO BE A SMOOTH SINGLE PLANE.
- BOTTOM EDGE OF VISION LITES TO BE NO HIGHER THAN 43" ABOVE FINISHED FLOOR TO VIEWING SURFACE.
- HOLLOW METAL FRAMES TO HAVE A 2" FACE UNLESS NOTED OTHERWISE.

INSTALLATION:
- DOOR SWINGS TO MATCH INDICATION ON PLANS.
- PLAN DIMENSIONS ARE LOCATING THE EDGE OF THE DOOR PANEL.

HARDWARE:
- ALL EXTERIOR DOORS TO BE WEATHER-STRIPPED.
- ALL RATED DOORS TO HAVE SMOKE SEALS.
- DOOR HANDLES SHALL BE THE LEVER TYPE AND MEET ANSI 404.2.6.
- HARDWARE LOCATIONS AND REINFORCEMENT TO BE PER SDI.

ABBREVIATIONS LEGEND:

DOOR MATERIAL:
HM HOLLOW METAL(INSUL ON EXT)
IM INSULATED METAL
AL ALUMINUM (INSUL ON EXT)
WD STAIN-GRADE WOOD
SS STAINLESS STEEL

FRAME MATERIAL:
HM HOLLOW METAL (INSUL ON EXT)
IM INS. METAL/ THERMAL BREAK
SF STOREFRONT (INSUL ON EXT)
FL FRAMELESS

GLASS:
FSG FIRE RATED SAFETY GLAZING
ISG INSULATED SAFETY GLAZING
SSG SINGLE SAFETY GLAZING
IVG INSULATED VISION GLAZING
SPG INSULATED SPANDREL PANEL
SG SPECIAL GLAZING
PF PRIVACY FILM

FINISHES:
SF1 SITE APPLIED PAINT OVER FACTORY PRIME
SF2 SITE APPLIED PAINT OVER FACTORY GALVANIZED
SF3 SITE APPLIED STAIN

FF1 FACTORY STAIN
FF2 FACTORY PAINT
FF3 FACTORY PAINT & GALVANIZED
FF4 ANODIZED COATING

DOOR CONTROL:
OC OVERHEAD CLOSER
OH OVERHEAD HOLDER
OPP ADA AUTO OPERATOR

LATCHING:
PD PANIC DEVICE
LS LATCH SET
PP PUSH-PULL

FUNCTION:
EO EXIT ONLY
PA PASSAGE
PR PRIVACY
OF OFFICE/ENTRY
CL CLASSROOM
ST STORE ROOM
IS INSTITUTIONAL

ELECTRONIC:
HO HOLD OPEN
MO MOTOR OPERATED

SECURITY:
CR CARD READER/ IDH
DC DOOR CONTACT
AL ALARMED

C:\Users\dwg\Documents\22130A1 New Wilkens Police Precinct_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2449 fax

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:19:40 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607, EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
				GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1/4" = 1'-0"	APPROVED BY: PROPERTY MANAGER
			R.O.W NO.			PROFILE SCALE:		DATE:
CONTRACT COMPLETION BOX								
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
REVIEWED BY:								
DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DOOR SCHEDULE

NEW BUILDING DESIGN

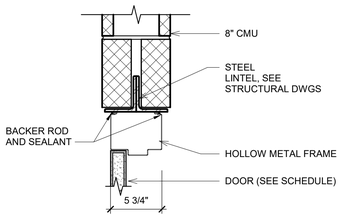
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
A-602	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 152 OF 302
	DRAWING NUMBER
	2024-1465
	FILE NO.: 8 REV. 03/22



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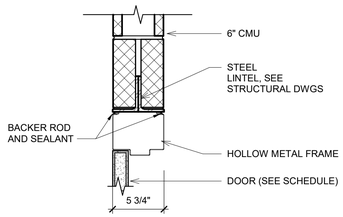

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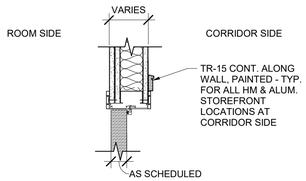

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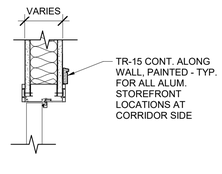

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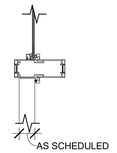

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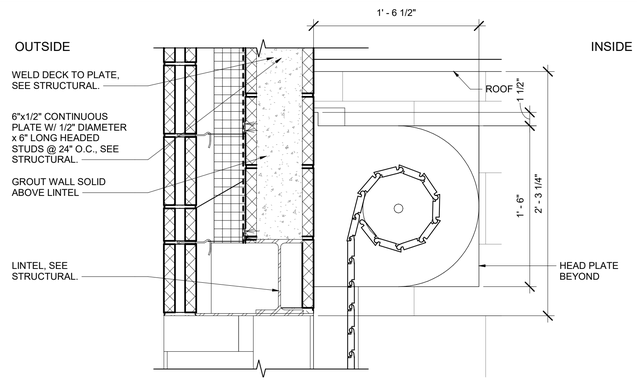

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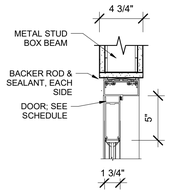
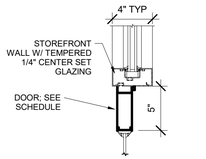


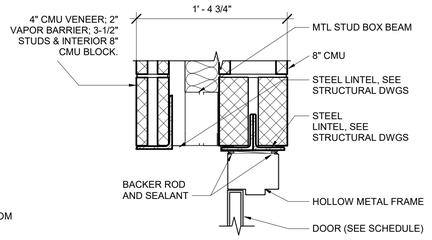
DOOR HEAD DETAIL

H6



DOOR HEAD DETAIL W/ TRANSOM

H7



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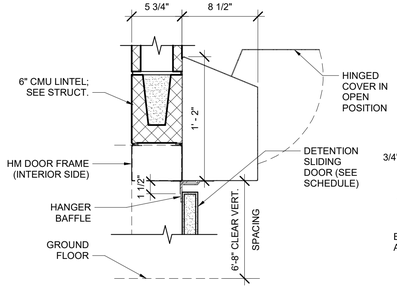

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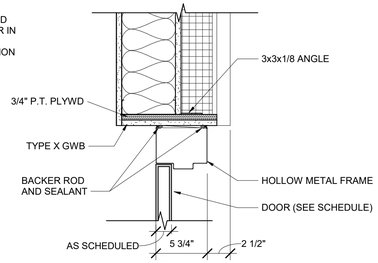
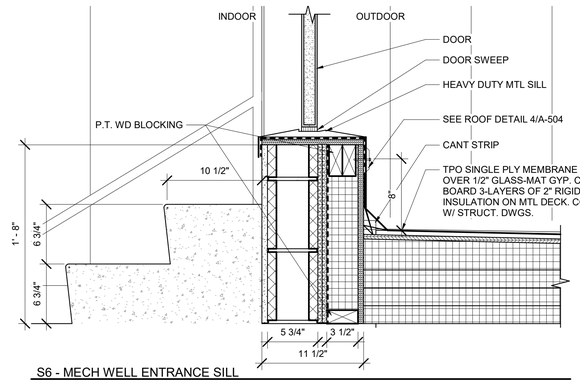
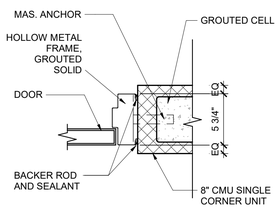


H10

1 HEAD DETAILS
1 1/2" = 1'-0"



S6 - MECH WELL ENTRANCE SILL



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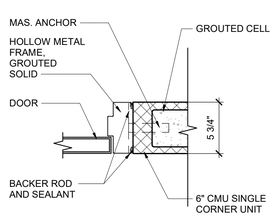

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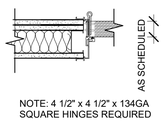
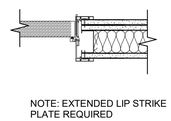


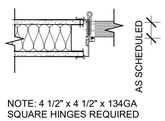
NOTE: 4 1/2" x 4 1/2" x 134GA SQUARE HINGES REQUIRED

J3

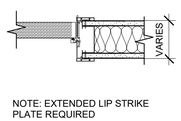


NOTE: EXTENDED LIP STRIKE PLATE REQUIRED

J4

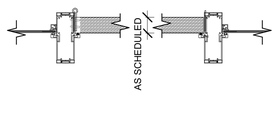


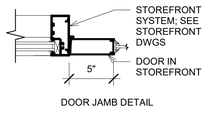
NOTE: 4 1/2" x 4 1/2" x 134GA SQUARE HINGES REQUIRED



NOTE: EXTENDED LIP STRIKE PLATE REQUIRED

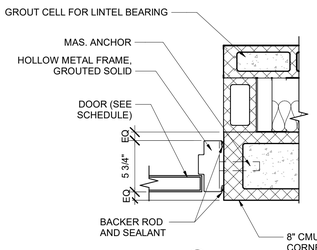
J5





DOOR JAMB DETAIL

J6



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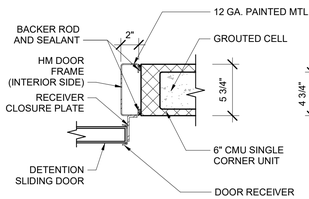

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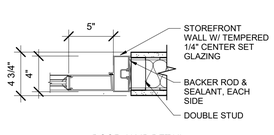
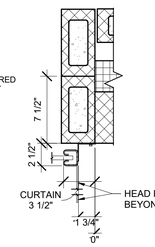


DOOR JAMB DETAIL

J9



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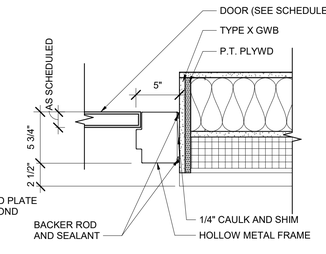
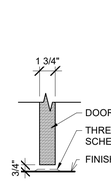
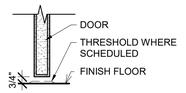


J11

2 JAMB EXAMPLES
1 1/2" = 1'-0"

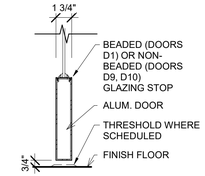


S1



DETENTION BY MANUFACTURER

S2



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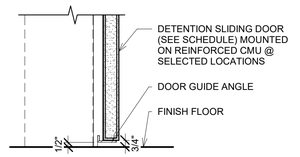

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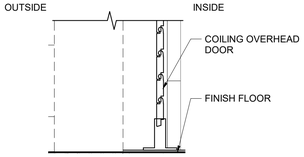

S5

7 SILL DETAILS
1 1/2" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:19:42 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY: DATE:	CHKD BY: RLM			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1 1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DOOR DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS

300 North Charles Street, Baltimore, Maryland 21201 410-625-4420 voice 410-625-4616 fax

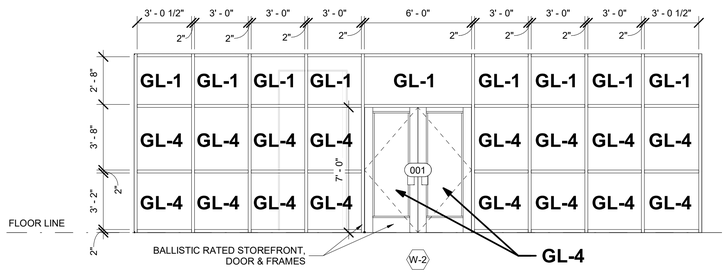
229 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-603	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 153 OF 302	
DRAWING NUMBER	2024-1466
FILE NO.: 8	REV. 03/22

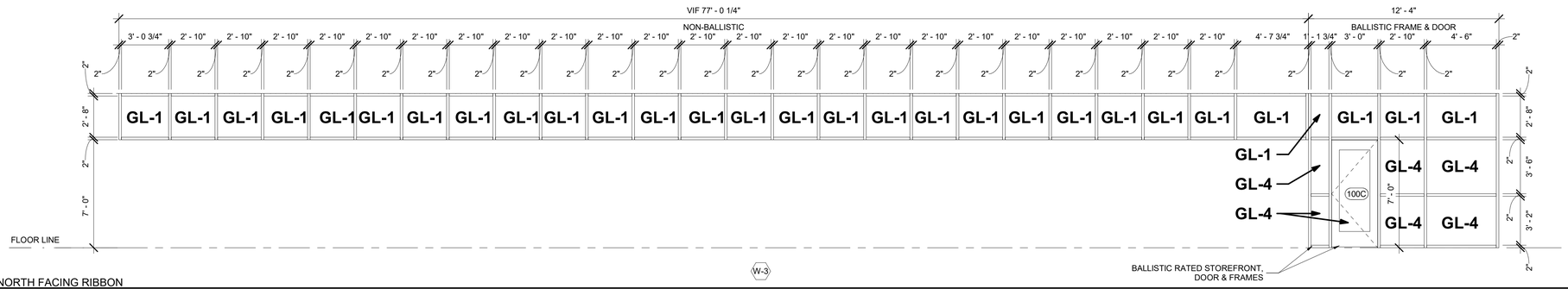
EXTERIOR STOREFRONT TYPES

ALL FRAMING TO BE 3-3/4" DEPTH, UNLESS OTHERWISE NOTED

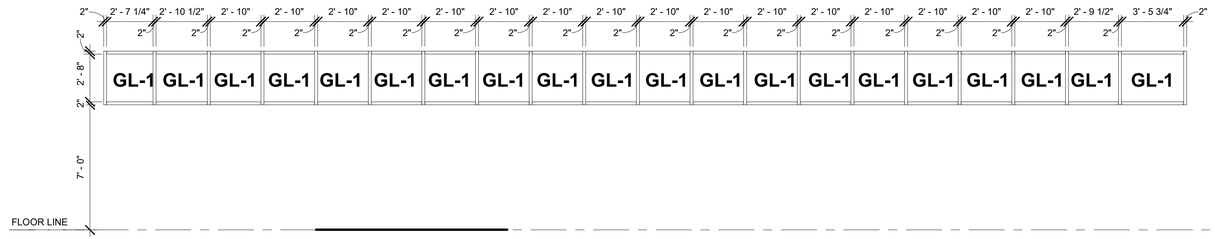
ADD ALTERNATE #1: INCREASE ALL FIRST-FLOOR GLAZING SHOWN ON W-2 AND W-3 AS LVL 3 BALLISTIC RATING (GL-4) TO LVL 5 BALLISTIC RATING (GL-3)



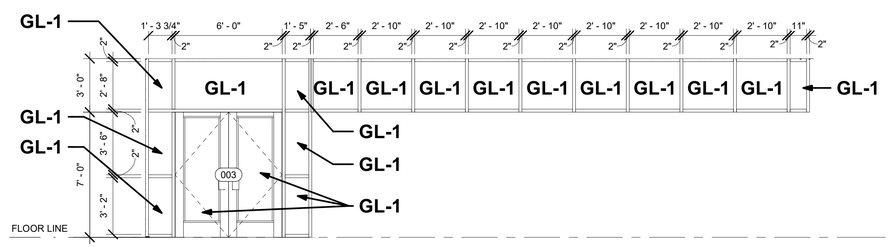
STOREFRONT 001



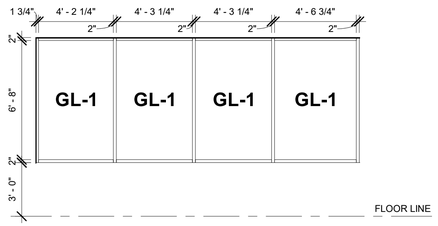
NORTH FACING RIBBON



EAST FACING RIBBON



SOUTH FACING RIBBON



LOBBY WINDOW DOUBLE HEIGHT

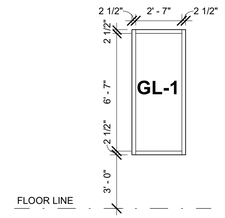
GLAZING TYPES

GL-1	1" INSULATED LOW E TEMPERED GLASS
GL-2	0.74" NOM. THICKNESS IMPACT SECURITY GLAZING: CLEAR 20-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION
GL-3	INSULATED LEVEL 5 BALLISTIC UL 752.
GL-4	INSULATED LEVEL 3 BALLISTIC UL 752.
GL-5	3/16" 1 HR FIRE RATING GLASS
GL-6	0'-1/4" CLEAR TEMPERED GLASS.
GL-7	0.57" NOM. THICKNESS IMPACT SECURITY GLAZING: CLEAR 10-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION
GL-8	LEVEL 3 BALLISTIC GLAZING UL 752
GL-9	0.74" NOM. THICKNESS IMPACT SECURITY GLAZING: ONE-WAY-VISION INTERLAYER FILM IN CLEAR 20-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION

NOTE: INTERIOR GLAZING TO HAVE GLAZING TAPE - BOTH SIDES.

WINDOW TYPE

ADD ALTERNATE #2: PROVIDE LVL 5 BALLISTIC RATING AT ALL SECOND FLOOR WINDOWS, GL-3



TYP. SECOND FLOOR WINDOW

C:\Users\dwg\Documents\223 9\01 New Wilkens Police Precinct_dwgQZANS8.rvt

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-848-9827 voice 717-845-2449 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:19:43 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607, EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY: PROPERTY MANAGER	
	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:	

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY:	DWG BY:	CHKD BY:
JAT	DWG/ AWU	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

EXTERIOR GLAZING

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-604	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 154 OF 302
	DRAWING NUMBER
	2024-1467
	FILE NO.: 8 REV. 10/22

HOLLOW METAL STOREFRONT TYPES

GLAZING TYPES	
GL-1	1" INSULATED LOW E TEMPERED GLASS
GL-2	0.74" NOM. THICKNESS IMPACT SECURITY GLAZING: CLEAR 20-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION
GL-3	INSULATED LEVEL 5 BALLISTIC UL 752.
GL-4	INSULATED LEVEL 3 BALLISTIC UL 752.
GL-5	3/16" 1 HR FIRE RATING GLASS
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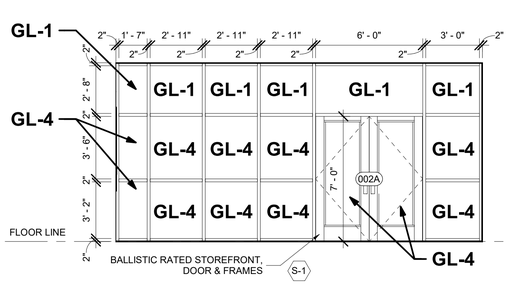
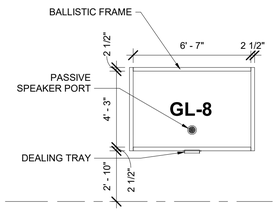
GL-8	LEVEL 3 BALLISTIC GLAZING UL 752
GL-9	0.74" NOM. THICKNESS IMPACT SECURITY GLAZING: ONE-WAY-VISION INTERLAYER FILM IN CLEAR 20-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION

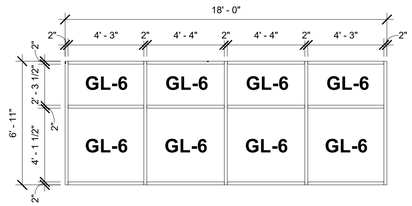
NOTE: INTERIOR GLAZING TO HAVE GLAZING TAPE - BOTH SIDES.



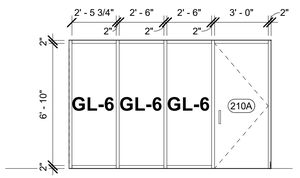
VESTIBULE INTERIOR STOREFRONT



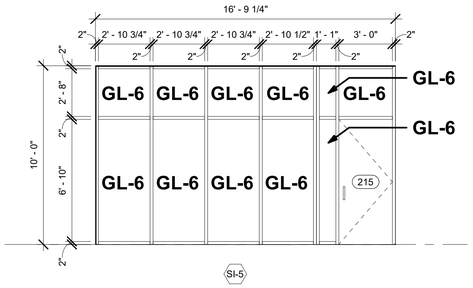
FRONT DESK WINDOW



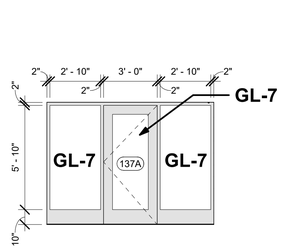
LOUNGE GLAZING



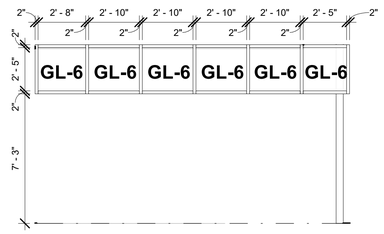
CONFERENCE/FLEX STOREFRONT CORRIDOR SIDE



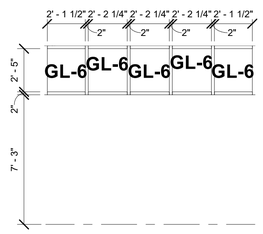
CONFERENCE STOREFRONT



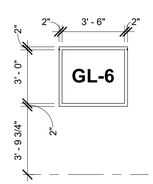
PROCESSING AREA STOREFRONT



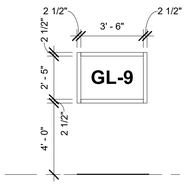
CONFERENCE/FLEX MUNION



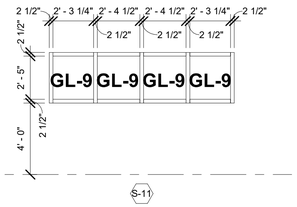
LT OFFICE MUNION



SHIFT C WINDOW

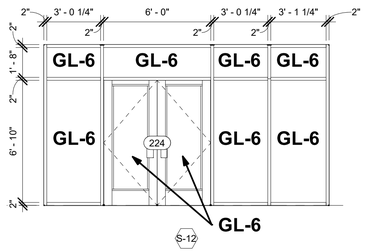


CONTROL ROOM - OBSERVATION WINDOWS



CONTROL ROOM - OBSERVATION WINDOW

INTERIOR ALUM. STOREFRONT & WINDOW TYPES



FITNESS - GLAZING

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:45 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.						14SW19	PLAN SCALE:	1/4" = 1'-0"	APPROVED BY:
				R.O.W NO.	GSW	14SW20 15SW19	PROFILE SCALE:		PROPERTY MANAGER
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX					15SW20			DATE:

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

C:\Users\dwg\Documents\22130A1 New Wilkens Police Precinct_dwgQANS.rvt

Murphy & Dittenhafer ARCHITECTS

320 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax

224 West Market Street, York, Pennsylvania 17401 717-846-9807 voice 717-846-2486 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-605	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 155 OF 302
	DRAWING NUMBER
	2024-1468
	FILE NO.: 8 REV 03/22

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

INTERIOR GLAZING

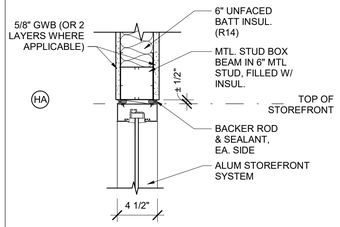
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

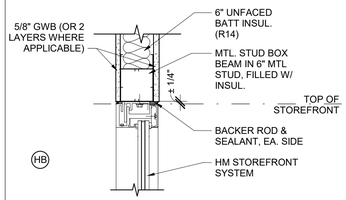
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

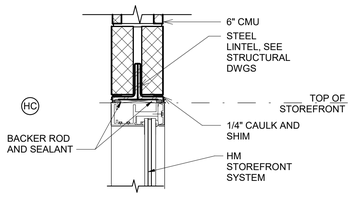
STOREFRONT HEAD TYPES



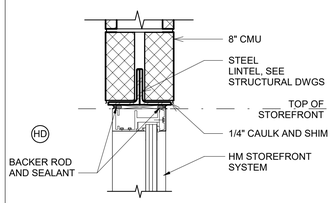
1 ALUM. EXT. GLAZING S.F. HEAD
1 1/2" = 1'-0"



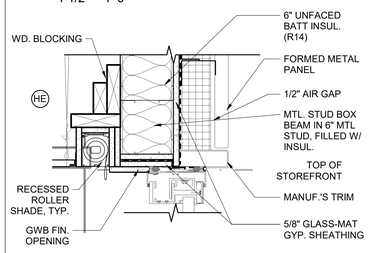
2 GLAZING S.F. HEAD
1 1/2" = 1'-0"



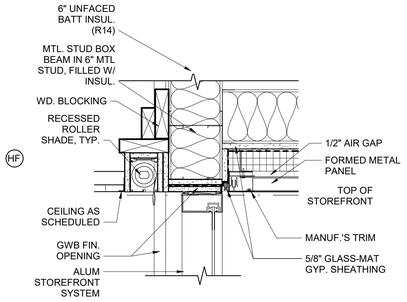
3 GLAZING S.F. HEAD CMU 6"
1 1/2" = 1'-0"



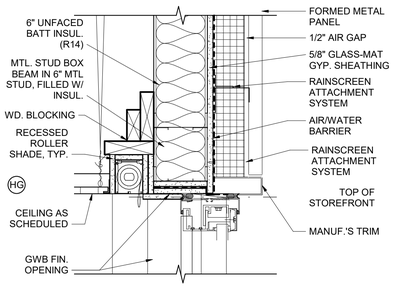
4 GLAZING S.F. HEAD CMU 8"
1 1/2" = 1'-0"



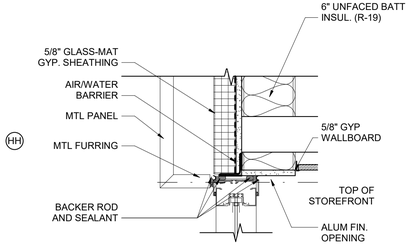
5 GLAZING S.F. SECOND FLOOR LOBBY WINDOW HEAD
1 1/2" = 1'-0"



6 S.F GLAZING CLERESTORY WINDOW HEAD
1 1/2" = 1'-0"

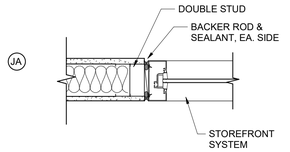


7 SECOND FLOOR WINDOW HEAD
1 1/2" = 1'-0"

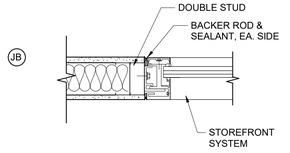


8 LOBBY EXTERIOR WINDOW HEAD
1 1/2" = 1'-0"

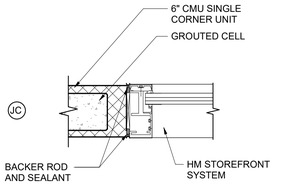
STOREFRONT JAMB TYPES



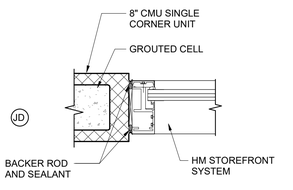
9 GLAZING S.F. ALUM JAMB
1 1/2" = 1'-0"



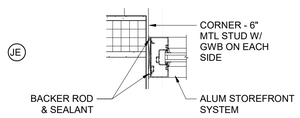
10 GLAZING S.F. HM JAMB
1 1/2" = 1'-0"



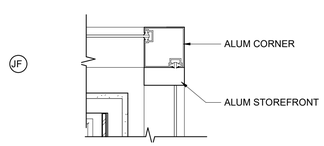
11 GLAZING S.F. JAMB CMU 6"
1 1/2" = 1'-0"



12 GLAZING S.F. JAMB CMU 8"
1 1/2" = 1'-0"

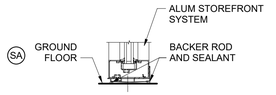


13 GLAZING S.F EXTERIOR WINDOW JAMB
1 1/2" = 1'-0"

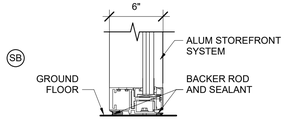


14 S.F. RIBBON CORNER DETAIL
1 1/2" = 1'-0"

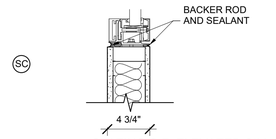
STOREFRONT SILL TYPES



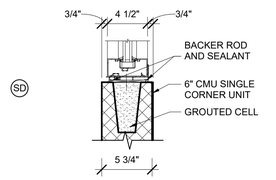
15 ALUM GLAZING S.F. SILL
1 1/2" = 1'-0"



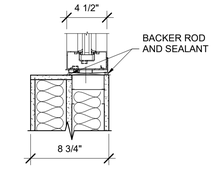
16 HM GLAZING S.F. SILL
1 1/2" = 1'-0"



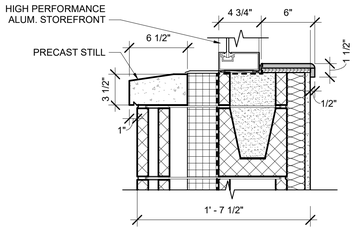
17 GLAZING S.F. ELEVATED SILL STUD
1 1/2" = 1'-0"



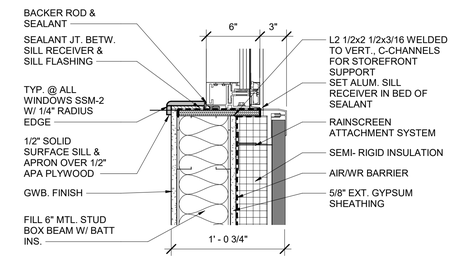
18 GLAZING S.F. ELEVATED SILL 6" CMU
1 1/2" = 1'-0"



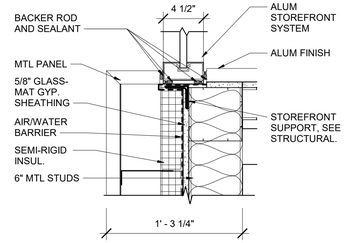
19 2ND FLOOR LOUNGE EXTERIOR WINDOW SILL
1 1/2" = 1'-0"



20 CLERESTORY SILL
1 1/2" = 1'-0"

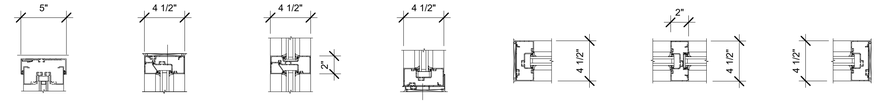


21 SECOND FLOOR WINDOW SILL
1 1/2" = 1'-0"



22 LOBBY EXTERIOR WINDOW SILL
1 1/2" = 1'-0"

TYPICAL ALUMINUM STOREFRONT DETAILS- EXTERIOR



HEAD DETAIL W/ RECEPTOR | HEAD DETAIL | MULLION DETAIL | WINDOW SILL DETAIL | JAMB DETAIL | VERTICAL MULLION DETAIL | JAMB DETAIL

NOTE: ADJUST WIDTH AND DETAILING PER BALLISTIC STOREFRONTS

C:\Users\alhay\Documents\2213\0A1 New Wilkens Police Precinct_dhqQZ_NS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER III STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:19:49 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	1 1/2" = 1'-0"	APPROVED BY: PROPERTY MANAGER
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX			R.O.W NO.	GSW		PROFILE SCALE:		DATE:
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:								
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

WINDOW DETAILS

NEW BUILDING DESIGN

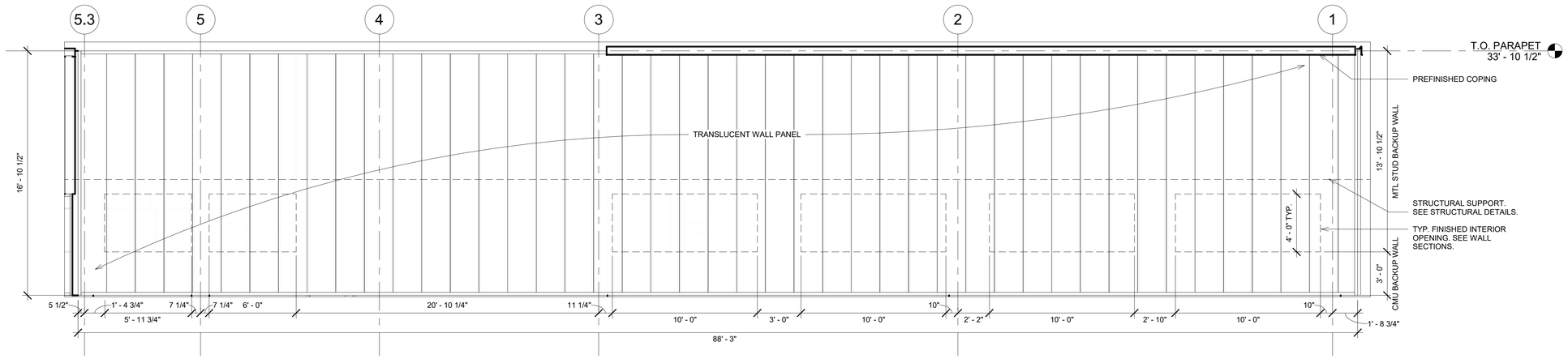
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

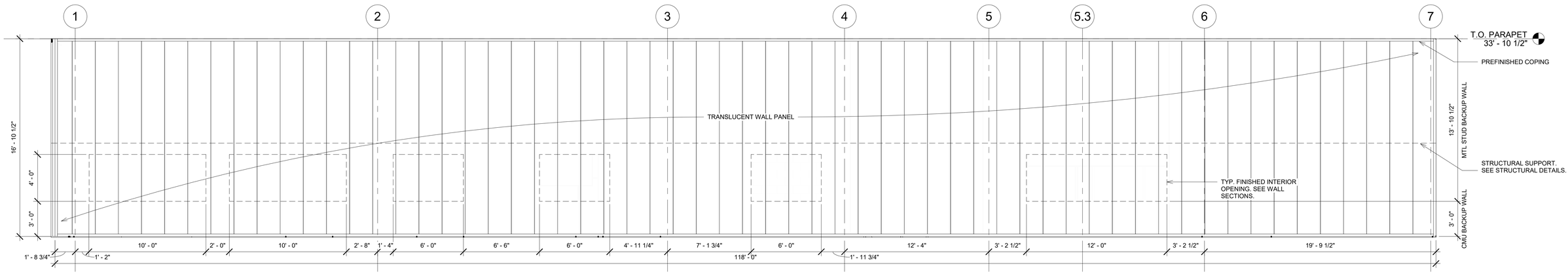
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
800 North Charles Street, Baltimore, Maryland 21201 410-625-4620 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-845-2488 fax

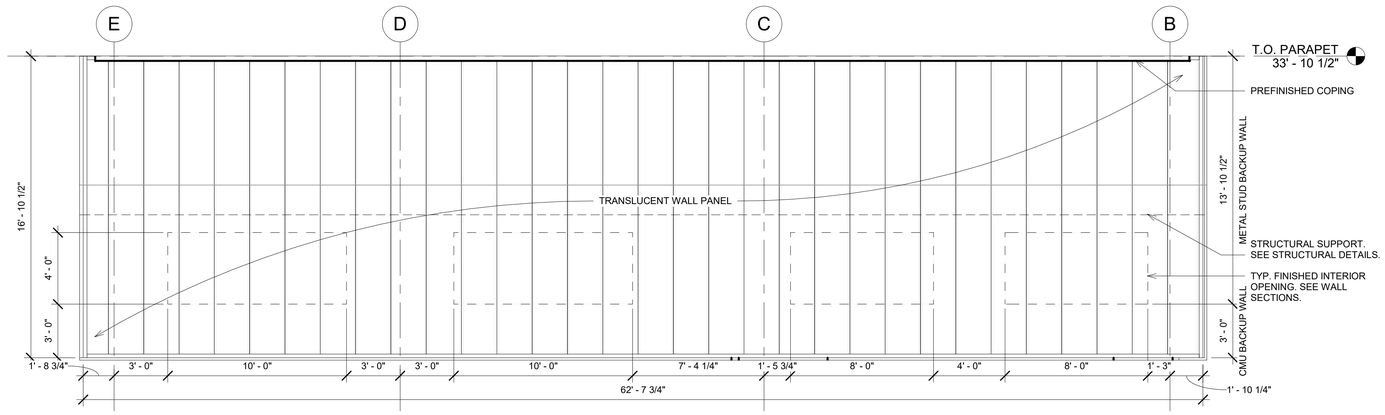
SHEET DESIGNATION	CONTRACT NUMBER
A-606	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 156 OF 302
	DRAWING NUMBER
	2024-1469
	FILE NO.: 8 REV: 03/03



1 PANEL ELEVATION 1
1/4" = 1'-0"



2 PANEL ELEVATION 2
1/4" = 1'-0"



3 PANEL ELEVATION 3
1/4" = 1'-0"

C:\Users\jday\Documents\223 9\611 New Wilkens Police Precinct_jdayQZANB.rvt

Murphy & Dittenhafer
ARCHITECTS
306 North Charles Street, Baltimore, Maryland 21201
410-625-4633 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401
717-848-9827 voice 717-840-2488 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:19:50 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027		CONTRACT COMPLETION BOX		
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT			
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU			
BY:	CHKD BY: RLM			
DATE:				

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE	
PLAN SCALE:	1/4" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TRANSLUCENT WALL PANEL ELEVATIONS

NEW BUILDING DESIGN

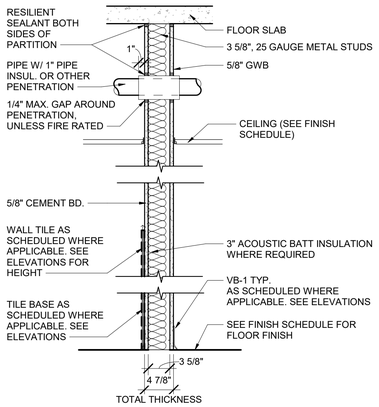
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

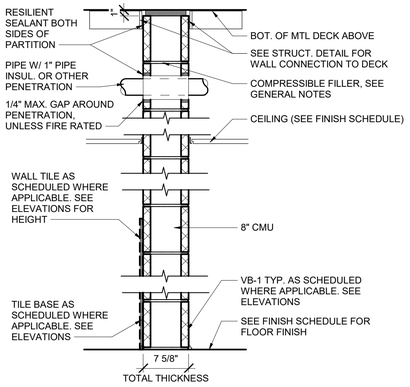
SHEET DESIGNATION	CONTRACT NUMBER
A-607	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 157 OF 302
	DRAWING NUMBER
	2024-1470
	FILE NO.: 8 REV. 03/22



A SERIES - MTL STUDS

A.1 AS SHOWN - **MIN. STC RATING = 45**
A.2 AS SHOWN, BUT **WITH** SOUND BATT, & TYPE XP GWB ON CORRIDOR SIDE.
A.3 AS SHOWN, BUT **WITHOUT** SOUND BATT, GWB ON ONE SIDE ONLY.
A.4 AS SHOWN, BUT **WITH** SOUND BATT, GWB ON ONE SIDE ONLY.
A.5 AS SHOWN, BUT 6" STUD
A.6 AS SHOWN, BUT 6" STUD WITH GWB ON ONE SIDE ONLY.

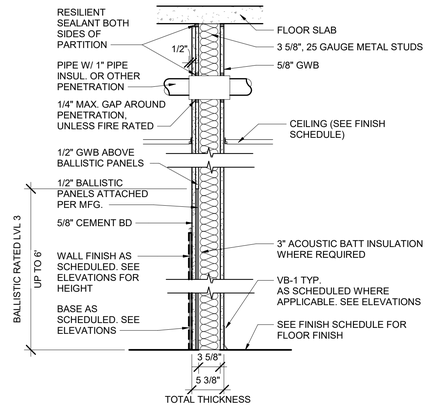
A.F AS SHOWN, BUT 1-HR FIRE RATED PER UL #U419 WITH THESE MODIFICATIONS:TYPE C OR TYPE X GWB ON BOTH SIDES.



B SERIES - CONCRETE MASONRY UNITS

B.1 AS SHOWN ABOVE - BUT 6" CMU HOLLOW - **MIN. STC 45**
B.2 AS SHOWN ABOVE - 8" CMU HOLLOW.
B.3 AS SHOWN ABOVE - 8" CMU GROUTED.
B.4 AS SHOWN ABOVE - 8" CMU HOLLOW, BUT WITH 2 1/2" MTL. FURRING WITH ONE LAYER OF TYPE X 5/8" GWB.
B.5 AS SHOWN ABOVE - 8" CMU GROUTED, BUT WITH 2 1/2" MTL. FURRING WITH ONE LAYER OF TYPE X 5/8" GWB.

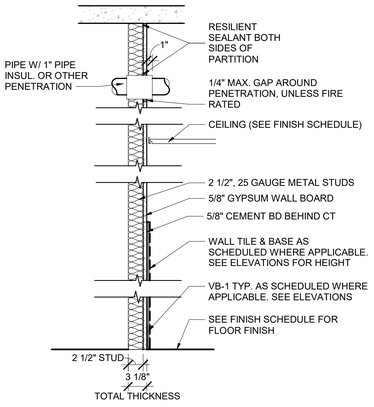
NOTE: REFER TO CODE PLANS AND DETAILS FOR LOCATION OF PARTITIONS REQUIRING A FIRE-RESISTANCE RATING. CONTRACTOR SHALL PROVIDE CMU UNITS WITH AGGREGATE MIXTURES CONFORMING TO THE REQUIRED EQUIVALENT THICKNESSES PER IBC TABLE 722.3.1 AND TABLE 722.3.2.



C SERIES - MTL STUDS, BALLISTIC

C.1 AS SHOWN ABOVE - 3 5/8" MTL STUD WITH BALLISTIC LVL 3.
C.2 AS SHOWN ABOVE - BUT 6" MTL STUD WITH BALLISTIC LVL 3.

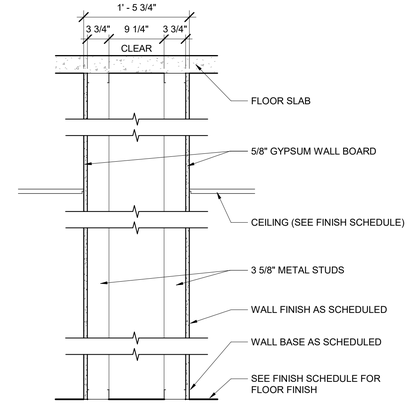
ADD ALTERNATE #1: PROVIDE LVL 5 BALLISTIC RATING AT C SERIES PARTITIONS



D SERIES - FURRING:

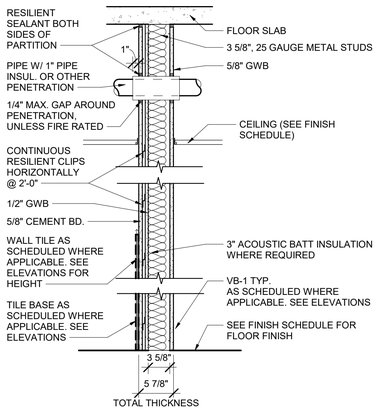
D.1 AS SHOWN ABOVE.
D.2 AS SHOWN ABOVE, BUT WITH 1 5/8" MTL STUD.
D.3 AS SHOWN ABOVE, BUT WITH 1 5/8" MTL STUD & 2 LAYERS OF GWB.
D.4 AS SHOWN ABOVE, BUT WITH 7/8" HAT CHANNELS ATTACHED TO SUBSTRATE

D.F AS SHOWN WITH THIS MODIFICATION: TYPE C OR TYPE X GWB FOR UL DESIGN #X528



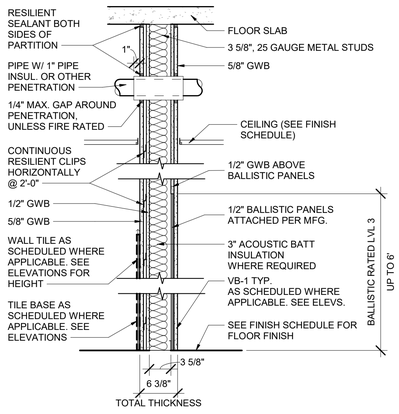
H SERIES - PLUMBING CHASE WALLS:

H.1 AS SHOWN ABOVE.
H.2 AS SHOWN ABOVE, BUT 4 3/4" CLEAR BETWEEN STUDS.



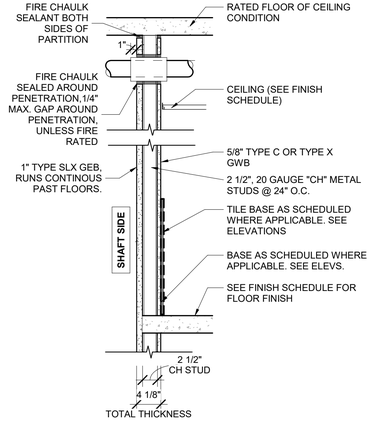
E SERIES - MTL STUDS

E.1 AS SHOWN, **MIN. STC RATING = 55.**
E.2 AS SHOWN, BUT 6" STUD, **MIN. STC RATING = 55.** 8 1/4" THICK.



F SERIES - MTL STUDS, BALLISTIC

F.1 AS SHOWN, **MIN. STC RATING = 55.**
F.2 AS SHOWN, BUT 6" STUD, **MIN. STC RATING = 55.** 8 3/4" THICK.



G SERIES - SHAFT WALLS:

G.1 AS SHOWN, **1 HR FIRE RATED AS PER UL# U415**

GWB TYPES - SEE SPECIFICATION 09 29 00 GYPSUM BOARD

A. GYPSUM BOARD: ASTM C 1396/C 1396M.
   1. THICKNESSES: 5/8 INCH & 1/2 INCH

B. GYPSUM BOARD, TYPE X: ASTM C 1396/C 1396M.
   1. THICKNESS: 5/8 INCH.

C. GYPSUM CEILING BOARD: ASTM C 1396/C 1396M.
   1. THICKNESS: 1/2 INCH.
   2. SEE REFLECTED CEILING PLANS

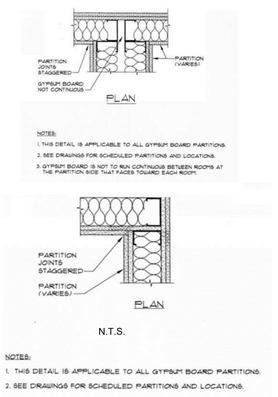
D. HI-ABUSE-RESISTANT GYPSUM BOARD:
   1. CORE: 5/8 INCH (15.9 MM), TYPE XP
   2. ON ALL CORRIDOR WALLS

E. MOLD-RESISTANT GYPSUM BOARD:
   1. CORE: 5/8 INCH (15.9 MM), TYPE X.
   2. USED IN ALL RESTROOMS WALLS WHERE NO TILE FIN.

TILE BACKING PANELS

A. CEMENTITIOUS BACKER UNITS:
   1. THICKNESS: 5/8 INCH (15.9 MM).
   2. REPLACES WALL TYPE GWB LAYER WHEN TILE FIN. IS USED.

LEVEL 5 FINISH GWB:
ALL PANEL SURFACE THAT WILL BE EXPOSED TO VIEW WALLS IN THE LOBBY RM 002 & COMMUNITY RM 100. ALL OTHERS ARE LEVEL 4 & COVERED IN 09 29 00 GYPSUM BOARD.



TYPICAL ACOUSTIC DETAILS

NOTES FOR PARTITION AND WALL TYPES

1. SEE WALL SECTIONS & DETAILS FOR INFORMATION ON CONSTRUCTION OF FIRE WALLS & EXTERIOR WALLS.
2. PARTITION & WALL TYPES SHOWN ARE GENERIC IN NATURE & DO NOT COVER EVERY CONDITION THAT MAY OCCUR IN THE BUILDING - SEE WALL SECTIONS & DETAILS FOR ADDITIONAL INFORMATION.
3. PARTITION & WALL TYPES SHOWN DO NOT SHOW LATERAL BRACING OR VERTICAL WALL REINFORCING - SEE STRUCTURAL DRAWINGS.
4. PROVIDE CONTINUOUS HORIZONTAL MASONRY REINFORCING AT 16" O.C. (VERTICAL) SPACING) AT ALL CMU WALLS (RATED AND NON-RATED).
5. SEE FINISH SCHEDULE FOR FINISHES TO BE APPLIED TO PARTITIONS & WALLS.
6. ALL FIRE RESISTANCE RATED PARTITIONS & WALLS SHALL BE BUILT IN STRICT ACCORDANCE WITH THE REQUIREMENTS LISTED IN THE LATEST EDITION OF THE UNDERWRITERS LABORATORIES (UL) FIRE RESISTANCE DIRECTORY FOR THE SPECIFIC UL DESIGN NUMBER REFERENCED.
7. ALL FURRING CHANNELS & STUDS SHALL BE SPACED AT 16" O.C. UNLESS OTHERWISE NOTED.
8. IN ALL PARTITIONS & WALLS REQUIRING ACOUSTIC INSULATION OR AN STC RATING, OUTLETS, SWITCHES, ETC. SHALL NOT BE LOCATED BACK TO BACK; THEY SHALL BE OFFSET AT LEAST 16", SHALL NOT OCCUPY THE SAME STUD CAVITY, AND SHALL BE SEALED. PROVIDE ACOUSTIC PUTTY PADS PER SPEC SECTION 26 05 33 FOR PARTITIONS WITH AN STC RATING. PERIMETERS OF PARTITIONS & WALLS (AT ADJACENT WALLS, COLUMNS, CEILINGS, ETC.) & ALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED ACOUSTIC SEALANT.
9. ALL PARTITIONS & WALLS SHALL EXTEND FULL HEIGHT TO THE FLOOR OR ROOF DECK ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE HOR. WALL BRACING FOR STUDS OVER 8' HIGH.
10. ALL FIRE RESISTANCE RATED PARTITIONS & WALLS SHALL EXTEND FULL HEIGHT TO THE FLOOR OR ROOF DECK ABOVE & BE SEALED WITH AN APPROVED, NON-COMBUSTIBLE FIRE STOP MATERIAL OR SYSTEM FIRE-RATED FOR THE SAME DURATION AS THE WALL 'F' AND 'T' RATINGS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE. REFER TO CODE PLANS FOR LOCATIONS OF FIRE-RATED PARTITIONS.
11. PROVIDE SLIP-TRACK SYSTEM FOR DEFLECTION OF BEAMS, JOISTS, & STEEL DECK AT TOP OF ALL PARTITIONS & WALLS THAT EXTEND TO THE DECK ABOVE. FILL GAP WITH NON-COMBUSTIBLE , COMPRESSIBLE FILLER AT NON-RATED PARTITIONS & WALLS.
12. SEE DETAILS FOR CONDITIONS WHERE STRUCTURAL MEMBERS PREVENT THE PARTITION OR WALL FROM EXTENDING FULL HEIGHT TO THE FLOOR OR ROOF DECK ABOVE. WHERE A RATED WALL TERMINATES AT THE UNDERSIDE OF A BEAM, THE BEAM SHALL BE FIRE-RATED & FIRESTOPPED.
13. PROVIDE APPROVED STEEL PLATES OR FLAT-STRAP BRACES SECURED TO METAL STUD PARTITIONS AS REQUIRED TO SECURE ITEMS SUCH AS LOCKERS, CASEWORK, SHELVING, LIGHTS, ELECTRICAL DEVICES, TOILET ACCESSORIES, ETC. TO THE PARTITION. PROVIDE PARTITION REINFORCEMENT AS REQUIRED.
14. USE MOISTURE-RESISTANT GYPSUM BOARD ON ALL METAL STUD PARTITIONS LOCATED BEHIND WATER CLOSETS, LAVATORIES, SINKS, & ALL OTHER PLUMBING FIXTURES.
15. SEE STRUCTURAL DRAWINGS FOR INFORMATION ON THICKENED SLABS AND FOUNDATIONS REQUIRED UNDER PARTITIONS AND WALLS.
16. ALL NON-BEARING MASONRY WALLS SHALL EXTEND FULL HEIGHT TO THE FLOOR DECK OR ROOF DECK ABOVE WITH A 1" GAP. FILL GAP WITH A NON-COMBUSTIBLE, COMPRESSIBLE FILLER AT NON-RATED PARTITIONS. FILL GAP WITH AN APPROVED, NON-COMBUSTIBLE FIRE STOP MATERIAL AT RATED WALLS UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL DETAIL FOR ATTACHMENT TO DECK.
17. ALL GYPSUM BOARD LAYERS ARE TO RUN VERTICALLY UNLESS OTHERWISE REQUIRED FOR A UL-LISTING. ALL BOARD JOINTS ARE TO OCCUR AT STUDS. TAPE OUTER JOINTS ONLY. STAGGER JOINTS OF BOARD LAYERS A MINIMUM OF 12" APART WHERE MULTIPLE LAYERS OCCUR. DO NOT GLUE MULTIPLE LAYERS OF GYPSUM BOARD.
18. DUCT, PIPES & OTHER PENETRATING EQUIPMENT ARE NOT TO MAKE RIGID CONTACT WITH GWB OR STUDS.
19. PROVIDE HANGERS TO SUPPORT PIPES. DO NOT CARRY PIPE WEIGHT ON PARTITIONS. CENTER PIPES IN PARTITION OPENINGS.
20. USE GWB FILLER PIECES TO CLOSE OFF LARGE OPENINGS AROUND PIPES.
21. SEAL ALL PENETRATIONS WITH RESILIENT SEALANT TO CLOSE GAPS. USE FIRE SEALANT AT RATED PARTITIONS.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:19:50 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027
ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: DWG/ AWU	REVIEWED BY:							
CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

INTERIOR PARTITION TYPES

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
809 North Charles Street, Baltimore, Maryland 21201 410-625-4620 voice 410-625-4618 fax
229 West Market Street, York, Pennsylvania 17401 717-846-4927 voice 717-843-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-608	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 158 OF 302
	DRAWING NUMBER
	2024-1471
	FILE NO.: 8 REV. 03/22

NOTE: FINAL LOCATION OF SIGN 11B WILL BE DETERMINED DURING INSTALLATION.

PROJECT NORTH

1 FIRST FLOOR
1/16" = 1'-0"

ROOM/SIGNAGE SCHEDULE - FIRST FLOOR

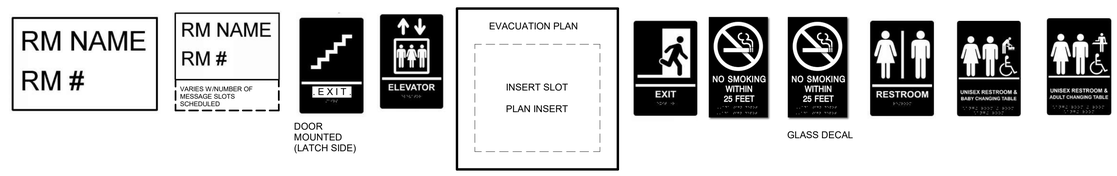
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
FIRST FLOOR			
001	VEST.	1, 7A, 7B	SEE SIGNAGE TYPE
002	LOBBY	1,5,6,8B, 8C, 10, 13, 20	ROOM NAMES, SEE SIGNAGE TYPES
003	CORD.	1,4,5,8A,11A,11B,12, 13,14	ROOM NAMES, SEE SIGNAGE TYPES
003.1	CORD.	6	SEE SIGNAGE TYPE
004	CORD.	1,5,6,11A,13	ROOM NAMES, SEE SIGNAGE TYPES
004.1	KITCH	-	-
004.2	MUD RM	6	SEE SIGNAGE TYPE
005	CORD.	1,8A,13	ROOM NAMES, SEE SIGNAGE TYPES
006	CORD.	1	ROOM NAMES, SEE SIGNAGE TYPES
006.1	MECH.	-	-
006.2	MECH.	-	-
006.3	MECH.	-	-
100	COMMUNITY ROOM	1,6,10,11C,20	ROOM NAMES, SEE SIGNAGE TYPES
100.1	STOR.	-	-
101	ROLL CALL	-	SEE 003
101.1	MECH.	-	-
101.2	MECH.	-	-
102	STORAGE	-	SEE 003
103	SUPERVISOR-A	-	SEE 104A
104	SHIFT LEADERS-A	2	ROOM NAMES, SEE SIGNAGE TYPES
105	SUPERVISOR-B	-	SEE 106
106	SHIFT LEADERS-B	2	ROOM NAMES, SEE SIGNAGE TYPES
107	WORK RM	-	SEE 003
108	SHIFT LEADERS-C	2	ROOM NAMES, SEE SIGNAGE TYPES
109	SUPERVISOR-C	-	SEE 108
110	STORAGE	-	SEE 113
111	WELLNESS	-	SEE 003
112	TOILET	-	SEE 003, 8A
113	MAIN ELEC.	1, 6, 12, 20	ELECTRICAL CONTROL PANEL,ROOM NAMES, SEE SIGNAGE TYPES
114	EMERGENCY ELEC.	SEE 003 TYPE 14	NOTICE ELECTRICAL ROOM NO STORAGE PERMITTED
115	ARMORY	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
116	G.C.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
117	GEAR	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
118	MECH.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
119	IT	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
120	REPORT WRITING	1	ROOM NAMES, SEE SIGNAGE TYPES
121	EVID. PROC.	1	EVIDENCE PROCESSING
123	INT.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
124	INT.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
125	REST.	SEE 002	RESTROOM, BABY CHANGING AREA, ROOM NAMES
126	REST.	SEE 002	RESTROOM, CHANGING ROOM, ROOM NAMES
127	OFF. SUPP.	SEE 005	ROOM NAMES, SEE SIGNAGE TYPES
128	FRONT DESK	SEE 005	ROOM NAMES, SEE SIGNAGE TYPES
129	F. PEN.	SEE 006	FEMALE PEN
130	TOILET	SEE 005	8A,
131	J.C.	SEE 006	JANITOR'S CLOSET
132	HOLD	SEE 006	HOLDING CELL #4
133	TEMP	SEE 006	TEMPORARY HOLDING
134	INT/BAIL	SEE 006	INTERROGATION/BAIL
135	F PROC.	SEE 006	FEMALE PROCESSING
136	ADA TOILET	SEE 137	RESTROOM
137	PROC. AREA	1, 8A, 13	ROOM NAMES, SEE SIGNAGE TYPES
137.1	MECH.	-	-
137.2	MECH.	-	-
137.3	MATS	SEE 137	STORAGE
138	STP SRCH	SEE 137	STRIP SEARCH
139	INTOX	SEE 137	INTOXICATION TESTING
140	M PROC.	1, 6,	ROOM NAMES, SEE SIGNAGE TYPES
141	TEMP	SEE 006	TEMPOORARY HOLDING CELL

ROOM/SIGNAGE SCHEDULE - FIRST FLOOR

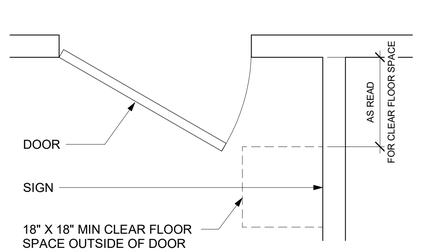
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
142	INT / BAIL	SEE 006	INTERROGATION/BAIL
143	INT	SEE 006	INTERROGATION
144	HOLD	SEE 006	HOLDING CELL #3
145	HOLD	SEE 006	HOLDING CELL #2
146	HOLD	SEE 006	HOLDING CELL #1
148	M. PEN.	SEE 006	MALE PEN
149	CONTROL DESK	SEE 005	CONTROL DESK
149.1	MECH.	-	-
150	SALLY PORT	1, 6, 13, 20	ROOM NAMES, SEE SIGNAGE TYPES
150.1	STOR.	SEE 150	STORAGE
E01	ELEVATOR	4	ELEVATOR
S01	STAIR 1	5, 6, 11B, 20	ROOM NAMES, SEE SIGNAGE TYPES
S02	STAIR 2	5, 6, 11B, 20	ROOM NAMES, SEE SIGNAGE TYPES
SECOND FLOOR			
003.2	EXT. MECH WELL	SEE 009	ROOF ACCESS
007	CORD.	1,2,3,4,5,11A,13	ROOM NAMES, SEE SIGNAGE TYPES
008	CORD.	1, 3,5,8A,8C,11B, 15	ROOM NAMES, SEE SIGNAGE TYPES
009	LOUNGE	SEE 008	LOUNGE
201	STORAGE	SEE 205	STORAGE
202	INVESTIGATIVE SERVICE TEAM	2	ROOM NAMES, SEE SIGNAGE TYPES
203	OFFICE	SEE 202	OFFICE
204	LT OFFICE	SEE 008	OFFICE
205	OFFICE SUPPLY	1	ROOM NAMES, SEE SIGNAGE TYPES
206	RECORDS	SEE 205	RECORDS
207	TRAFFIC/ BPI	2	ROOM NAMES, SEE SIGNAGE TYPES
207.1	CLOSET	-	-
208	OFFICE	SEE 207	OFFICE
209	BREAK RM.	13	SEE SIGNAGE TYPE
209.1	CLOSET	-	-
210	CONFERENCE/ FLEX	11b, SEE 007, 2	SEE SIGNAGE TYPE, CONFERENCE
211	CAP. SUITE	2, 11B, 13	ROOM NAMES, SEE SIGNAGE TYPES
211.1	OPEN FILE	-	-
213	L.T. OFFICE	SEE 211	OFFICE
215	CONFERENCE	11b, OUTSIDE SEE 211/ 2	CONFERENCE
216	CAPTAIN'S OFFICE	1, 11B	ROOM NAMES, SEE SIGNAGE TYPES
216.1	CAPT. TOILET	SEE 216	RESTROOM
216.2	DRESS	-	-
217	C.A.T.	SEE 007, 2	C.A.T., ROOM NAMES, SEE SIGNAGE TYPES
217.1	CL	-	-
217.2	CLOSET	-	-
218	OFFICE	SEE 217	OFFICE
219	OUT/ SRO/ DVC	SEE 007, 2	OUT/SRO/DVC, ROOM NAMES, SEE SIGNAGE TYPES
219.1	CL	-	-
220	OFFICE	SEE 219	OFFICE
221	STORAGE	SEE 008	STORAGE
222	TOILET	SEE 008	RESTROOM
223	IT	SEE 008	IT
224	FITNESS	SEE 008, 1	FITNESS, ROOM NAME
224.1	STOR.	SEE 224	STORAGE
225	J.C.	SEE 008	JANITOR'S CLOSET
226	STOR.	SEE 008	STORAGE
227	WELLNESS	SEE 008	CHANGING ROOM
228	GN. LOCKER RM	SEE 008	RESTROOM
229	WOMEN'S LOCKER RM	SEE 008	MEN'S LOCKER ROOM, RESTROOM
230	MEN'S LOCKER RM	SEE 008, 13	WOMEN'S LOCKER ROOM, RESTROOM
S01.1	STAIR 1	SEE 008, 11B	SEE SIGNAGE TYPE
S02.1	STAIR 2	SEE 008, 11B	SEE SIGNAGE TYPE

SIGNAGE NOTES

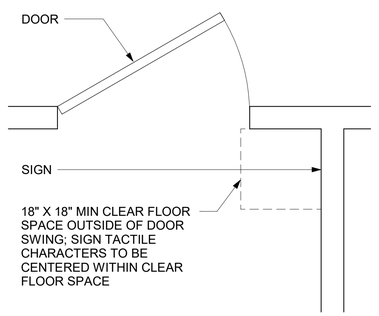
1. REFER TO SHEET CS-2 FOR GENERAL LIFE SAFETY SIGNAGE LOCATIONS NOT ASSOCIATED TO A ROOM OR DOOR WHICH ARE ANNOTATED ON THESE PLANS. PROVIDE AT LEAST 2 FIRE EXTINGUISHERS AND ASSOCIATED SIGNS (TYPE 12) PER FLOOR.
2. REFER TO ROOM SIGNAGE SCHEDULE FOR TYPICAL SIGNAGE. ALL COPY FOR PRODUCTION IS TO BE APPROVED BY OWNER/USER BEFORE SUBMITTAL IS APPROVED, (REF) IN SCHEDULE IS FOR REFERENCE ONLY AND IS NOT CONSIDERED COPY.
3. LOCATE SIGN AT MAIN ENTRANCE - "NO SMOKING WITHIN 25-FEET".



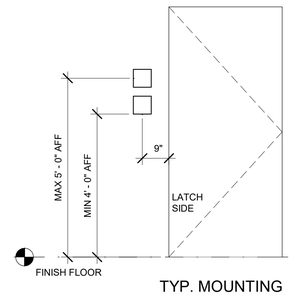
SIGNAGE TYPES NOT TO SCALE. SEE SPECIFICATIONS.



2 MOUNTING LOCATION - OBSTRUCTED PULL SIDE (PLAN VIEW)
3/4" = 1'-0"



3 MOUNTING LOCATION - OBSTRUCTED PUSH SIDE (PLAN VIEW)
3/4" = 1'-0"



TYP. MOUNTING

DOOR SIGN MOUNTING HEIGHTS
1/2" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
309 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-848-9927 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-609	24111 PPO

JOB ORDER NUMBER
300200006
SHEET 159 OF 302
DRAWING NUMBER
2024-1472
FILE NO.: 8 REV 09/22

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FLWOOD DITTENHAFER II STATE OF MARYLAND
DATE : 6/19/2025 1:19:53 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY:	JAT
DWN BY:	DWG/ AWU
CHKD BY:	RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOM/SIGNAGE SCHEDULE

NEW BUILDING DESIGN

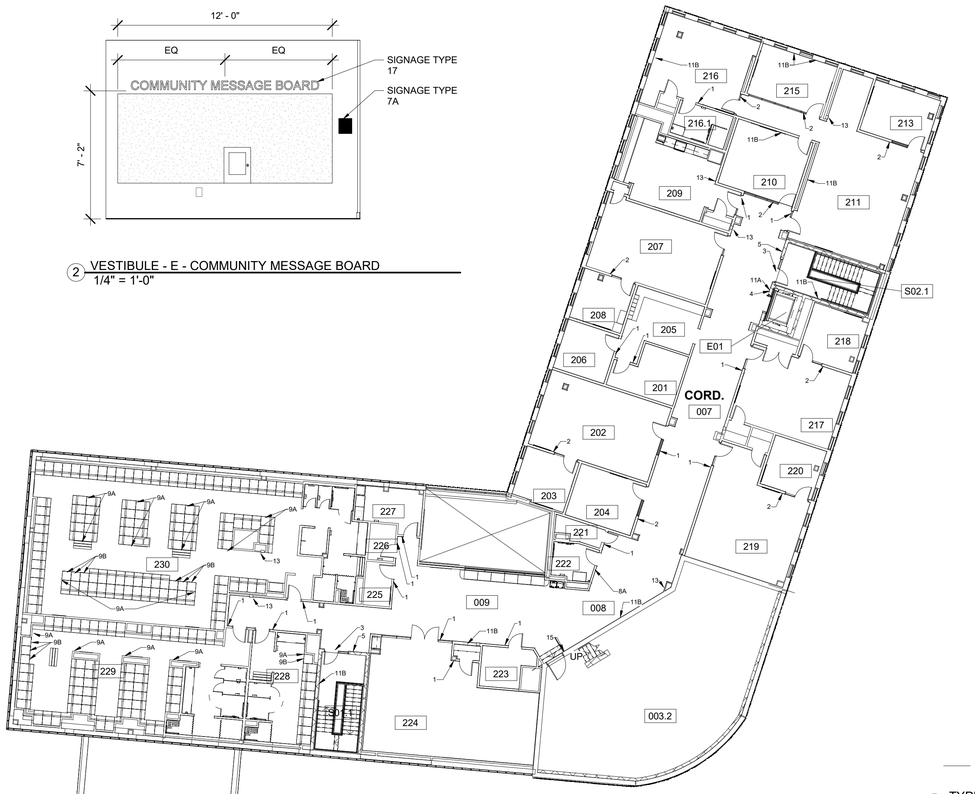
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

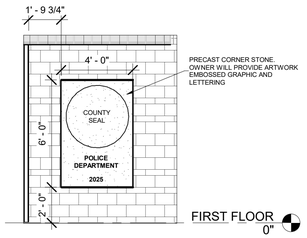
2 VESTIBULE - E - COMMUNITY MESSAGE BOARD
1/4" = 1'-0"



NOTE: FINAL LOCATION OF SIGN 11B WILL BE DETERMINED DURRING INSTALLATION.

PROJECT NORTH

1 SECOND FLOOR
1/16" = 1'-0"



3 TYPE 19 CORNERSTONE SIGNAGE
1/4" = 1'-0"

ROOM/SIGNAGE SCHEDULE - FIRST FLOOR

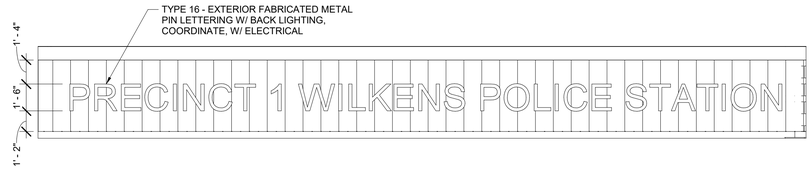
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
FIRST FLOOR			
001	VEST.	1, 7A, 7B	SEE SIGNAGE TYPE
002	LOBBY	1,5,6,8B, 8C, 10, 13, 20	ROOM NAMES, SEE SIGNAGE TYPES
003	CORD.	1,4,5,8A,11A,11B,12, 13,14	ROOM NAMES, SEE SIGNAGE TYPES
003.1	CORD.	6	SEE SIGNAGE TYPE
004	CORD.	1,5,6,11A,13	ROOM NAMES, SEE SIGNAGE TYPES
004.1	KITCH	-	-
004.2	MUD RM	6	SEE SIGNAGE TYPE
005	CORD.	1,8A,13	ROOM NAMES, SEE SIGNAGE TYPES
006	CORD.	1	ROOM NAMES, SEE SIGNAGE TYPES
006.1	MECH.	-	-
006.2	MECH.	-	-
006.3	MECH.	-	-
100	COMMUNITY ROOM	1,6,10,11C,20	ROOM NAMES, SEE SIGNAGE TYPES
100.1	STOR.	-	-
101	ROLL CALL	-	SEE 003
101.1	MECH.	-	-
101.2	MECH.	-	-
102	STORAGE	-	SEE 003
103	SUPERVISOR-A	-	SEE 104A
104	SHIFT LEADERS-A	2	ROOM NAMES, SEE SIGNAGE TYPES
105	SUPERVISOR-B	-	SEE 106
106	SHIFT LEADERS-B	2	ROOM NAMES, SEE SIGNAGE TYPES
107	WORK RM	-	SEE 003
108	SHIFT LEADERS-C	2	ROOM NAMES, SEE SIGNAGE TYPES
109	SUPERVISOR-C	-	SEE 108
110	STORAGE	-	SEE 113
111	WELLNESS	-	SEE 003
112	TOILET	-	SEE 003, 8A
113	MAIN ELEC.	1, 6, 12, 20	ELECTRICAL CONTROL PANEL,ROOM NAMES, SEE SIGNAGE TYPES
114	EMERGENCY ELEC.	SEE 003 TYPE 14	NOTICE ELECTRICAL ROOM NO STORAGE PERMITTED
115	ARMORY	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
116	G.C.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
117	GEAR	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
118	MECH.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
119	IT	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
120	REPORT WRITING	1	ROOM NAMES, SEE SIGNAGE TYPES
121	EVID. PROC.	1	EVIDENCE PROCESSING
123	INT.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
124	INT.	SEE 003	ROOM NAMES, SEE SIGNAGE TYPES
125	REST.	SEE 002	RESTROOM, BABY CHANGING AREA, ROOM NAMES
126	REST.	SEE 002	RESTROOM, CHANGING ROOM, ROOM NAMES
127	OFF. SUPP.	SEE 005	ROOM NAMES, SEE SIGNAGE TYPES
128	FRONT DESK	SEE 005	ROOM NAMES, SEE SIGNAGE TYPES
129	F. PEN.	SEE 006	FEMALE PEN
130	TOILET	SEE 005	8A,
131	J.C.	SEE 006	JANITOR'S CLOSET
132	HOLD	SEE 006	HOLDING CELL #4
133	TEMP	SEE 006	TEMPORARY HOLDING
134	INT/BAIL	SEE 006	INTERROGATION/BAIL
135	F PROC.	SEE 006	FEMALE PROCESSING
136	ADA TOILET	SEE 137	RESTROOM
137	PROC. AREA	1, 8A, 13	ROOM NAMES, SEE SIGNAGE TYPES
137.1	MECH.	-	-
137.2	MECH.	-	-
137.3	MATS	SEE 137	STORAGE
138	STP SRCH	SEE 137	STRIP SEARCH
139	INTOX	SEE 137	INTOXICATION TESTING
140	M PROC.	1, 6,	ROOM NAMES, SEE SIGNAGE TYPES
141	TEMP	SEE 006	TEMPOORARY HOLDING CELL

ROOM/SIGNAGE SCHEDULE - FIRST FLOOR

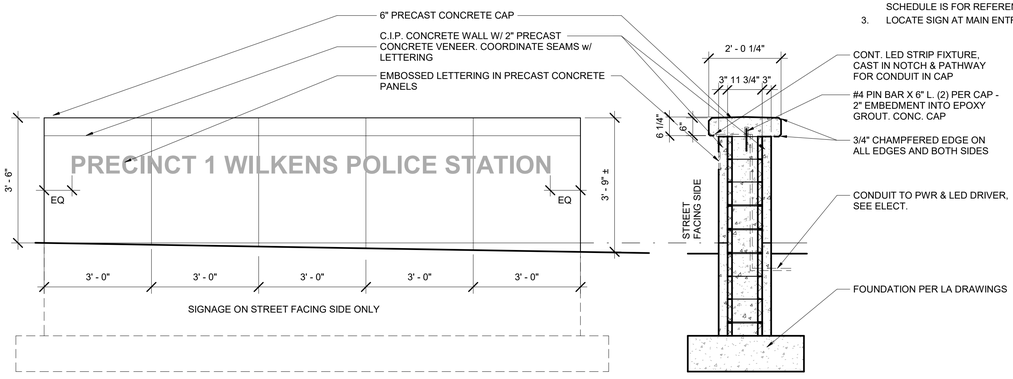
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
142	INT / BAIL	SEE 006	INTERROGATION/BAIL
143	INT	SEE 006	INTERROGATION
144	HOLD	SEE 006	HOLDING CELL #3
145	HOLD	SEE 006	HOLDING CELL #2
146	HOLD	SEE 006	HOLDING CELL #1
148	M. PEN.	SEE 006	MALE PEN
149	CONTROL DESK	SEE 005	CONTROL DESK
149.1	MECH.	-	-
150	SALLY PORT	1, 6, 13, 20	ROOM NAMES, SEE SIGNAGE TYPES
150.1	STOR.	SEE 150	STORAGE
E01	ELEVATOR	4	ELEVATOR
S01	STAIR 1	5, 6, 11B, 20	ROOM NAMES, SEE SIGNAGE TYPES
S02	STAIR 2	5, 6, 11B, 20	ROOM NAMES, SEE SIGNAGE TYPES
SECOND FLOOR			
003.2	EXT. MECH WELL	SEE 009	ROOF ACCESS
007	CORD.	1,2,3,4,5,11A,13	ROOM NAMES, SEE SIGNAGE TYPES
008	CORD.	1, 3,5,8A,8C,11B, 15	ROOM NAMES, SEE SIGNAGE TYPES
009	LOUNGE	SEE 008	LOUNGE
201	STORAGE	SEE 205	STORAGE
202	INVESTIGATIVE SERVICE TEAM	2	ROOM NAMES, SEE SIGNAGE TYPES
203	OFFICE	SEE 202	OFFICE
204	LT OFFICE	SEE 008	OFFICE
205	OFFICE SUPPLY	1	ROOM NAMES, SEE SIGNAGE TYPES
206	RECORDS	SEE 205	RECORDS
207	TRAFFIC/ BPI	2	ROOM NAMES, SEE SIGNAGE TYPES
207.1	CLOSET	-	-
208	OFFICE	SEE 207	OFFICE
209	BREAK RM.	13	SEE SIGNAGE TYPE
209.1	CLOSET	-	-
210	CONFERENCE/ FLEX	11b, SEE 007, 2	SEE SIGNAGE TYPE, CONFERENCE
211	CAP. SUITE	2, 11B, 13	ROOM NAMES, SEE SIGNAGE TYPES
211.1	OPEN FILE	-	-
213	L.T. OFFICE	SEE 211	OFFICE
215	CONFERENCE	11b, OUTSIDE SEE 211/ 2	CONFERENCE
216	CAPTAIN'S OFFICE	1, 11B	ROOM NAMES, SEE SIGNAGE TYPES
216.1	CAPT. TOILET	SEE 216	RESTROOM
216.2	DRESS	-	-
217	C.A.T.	SEE 007, 2	C.A.T., ROOM NAMES, SEE SIGNAGE TYPES
217.1	CL	-	-
217.2	CLOSET	-	-
218	OFFICE	SEE 217	OFFICE
219	OUT/ SRO/ DVC	SEE 007, 2	OUT/SRO/DVC, ROOM NAMES, SEE SIGNAGE TYPES
219.1	CL	-	-
220	OFFICE	SEE 219	OFFICE
221	STORAGE	SEE 008	STORAGE
222	TOILET	SEE 008	RESTROOM
223	IT	SEE 008	IT
224	FITNESS	SEE 008, 1	FITNESS, ROOM NAME
224.1	STOR.	SEE 224	STORAGE
225	J.C.	SEE 008	JANITOR'S CLOSET
226	STOR.	SEE 008	STORAGE
227	WELLNESS	SEE 008	CHANGING ROOM
228	GN. LOCKER RM	SEE 008	RESTROOM
229	WOMEN'S LOCKER RM	SEE 008	MEN'S LOCKER ROOM, RESTROOM
230	MEN'S LOCKER RM	SEE 008, 13	WOMEN'S LOCKER ROOM, RESTROOM
S01.1	STAIR 1	SEE 008, 11B	SEE SIGNAGE TYPE
S02.1	STAIR 2	SEE 008, 11B	SEE SIGNAGE TYPE

SIGNAGE NOTES

1. REFER TO SHEET CS-2 FOR GENERAL LIFE SAFETY SIGNAGE LOCATIONS NOT ASSOCIATED TO A ROOM OR DOOR WHICH ARE ANNOTATED ON THESE PLANS. PROVIDE AT LEAST 2 FIRE EXTINGUISHERS AND ASSOCIATED SIGNS (TYPE 12) PER FLOOR.
2. REFER TO ROOM SIGNAGE SCHEDULE FOR TYPICAL SIGNAGE. ALL COPY FOR PRODUCTION IS TO BE APPROVED BY OWNER/USER BEFORE SUBMITTAL IS APPROVED, (REF) IN SCHEDULE IS FOR REFERENCE ONLY AND IS NOT CONSIDERED COPY.
3. LOCATE SIGN AT MAIN ENTRANCE - "NO SMOKING WITHIN 25-FEET".



4 TYPE 16 CANOPY ENTRANCE SIGNAGE
1/4" = 1'-0"



5 TYPE 18 MONUMENTAL SIGN
1/2" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6/19/2025

DATE : 6/19/2025 1:20:00 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.							14SW19 14SW20 15SW19 15SW20	PLAN SCALE:	As indicated	APPROVED BY:
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027					R.O.W NO.	GSW		PROFILE SCALE:		PROPERTY MANAGER
		CONTRACT COMPLETION BOX								DATE:
ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:								
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOM/SIGNAGE SCHEDULE

NEW BUILDING DESIGN

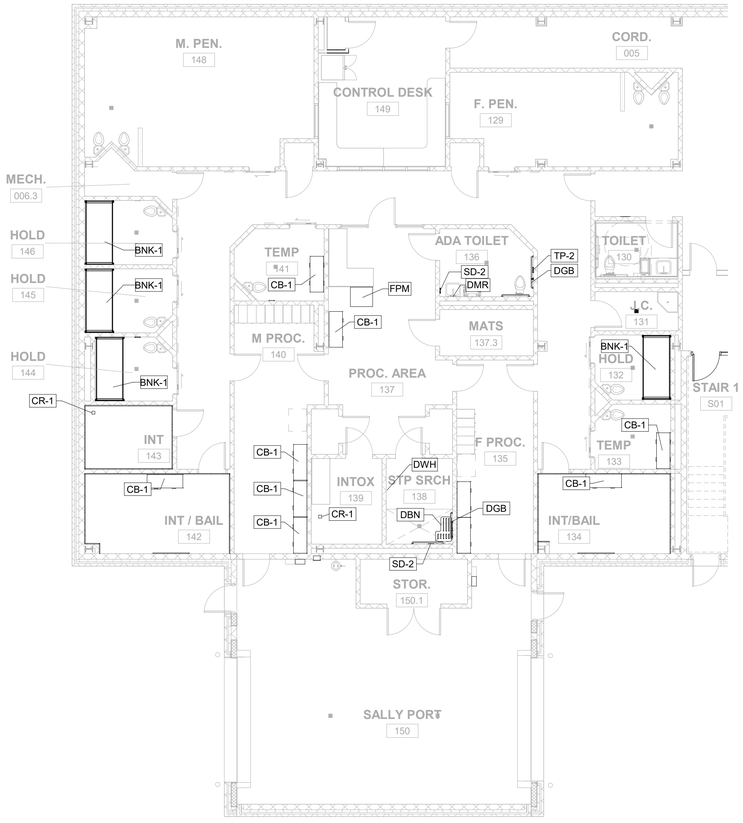
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

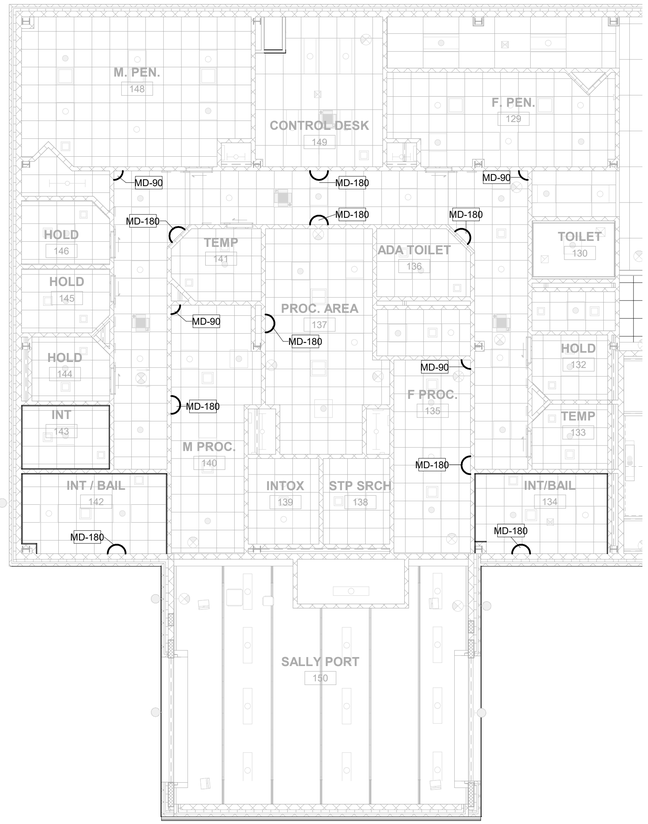
ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
306 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-848-9927 voice 717-840-2488 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-610	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 160 OF 302
	DRAWING NUMBER
	2024-1473
	FILE NO.: 8 REV 2022



1 DETENTION EQUIPMENT
1/8" = 1'-0"



2 DETENTION CEILING
1/8" = 1'-0"

RESIDENTIAL APPLIANCE SCHEDULE

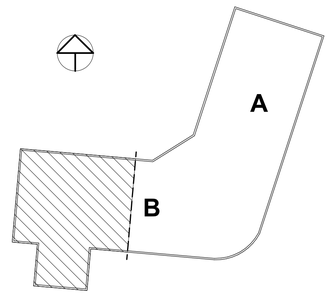
Mark	ROOM NAME	Description	BASIS OF DESIGN MFG.	BASIS OF DESIGN MODEL #
RF-3	WELLNESS RM 111	Undercounter Refrigerator	General Electric	GME04GLKLB
RF-2	BREAK RM 209	36" French Door Refrigerator w/ Ice Maker	General Electric	GWE19JYLFS
RF-3	WELLNESS RM 227	Undercounter Refrigerator	General Electric	GME04GLKLB
RF-1	CONTROL DESK - RM 149	33" French Door Refrigerator	General Electric	GFE26JYMFS
OR-1	BREAK RM 209	30" Freestanding Electric Oven Range	General Electric	GRS500PVSS
RF-2	KITCH RM 004.1	36" French Door Refrigerator w/ Ice Maker	General Electric	GWE19JYLFS
DW-1	BREAK RM 209	Residential Diswasher	General Electric	GDT226SSLSS
MO-1	BREAK RM 209	Countertop Microwave Oven	General Electric	PES7227SLSS
MO-2	BREAK RM 209	Over Range Microwave Oven	General Electric	JVM3160RFS

NOTES: SEE SPECIFICATIONS 11 30 13 & ENLARGED PLANS & ELEVATIONS

DETENTION EQUIPMENT SCHEDULE

Mark	Description	Basis of Design MFG.	Basis of Design Model #
BNK-1	Fixed detention grade bunk frame	Norix	B510-160
CB-1	Bench with Cuff Rings (48in Floor Bench)	Norix	
CR-1	Stainless Steel Cuff Bar	Krytomax	KM-WHCR
DBN	DETENTION GRADE SHOWER SEAT	Norix	ISS-200
DGB	DETENTION GRADE ADA GRAB BARS, 18", 36" & 42"	Norix	IGS-18-3, IGS-36-3, IGS-42-3
SD-2	Detention grade recessed shelf paper shelf	Norix	S565-550
TP-2	Detention grade recessed toilet paper shelf	Norix	ITP-110
FPM	Finger Printing Machine (SALVAGE LIST)	BY OWNER NIC	-
DMR	Detention grade ADA wall mirror 11.3"W x 38"H	Norix	R565-420
DWH	Detention grade towel hook 4 strip front mount	Norix	ITS-410
MD-90	18" Mirror - Quarter Dome	Norix	MQD-N18
MD-180	18" Mirror - Half Dome	Norix	MHD-18

NOTES: SEE SPECIFICATIONS 12 55 00 & ENLARGED PLANS & ELEVATIONS



KEY PLAN - 1ST FLOOR

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A JAMES WOOD DITTENHAFER STATE OF MARYLAND 6/19/2025
DATE : 6/19/2025 1:20:06 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027

ARCHITECT: Frank Elwood Dittenhafer, II
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

APPLIANCE & SECURITY EQUIPMENT SCHEDULE

NEW BUILDING DESIGN

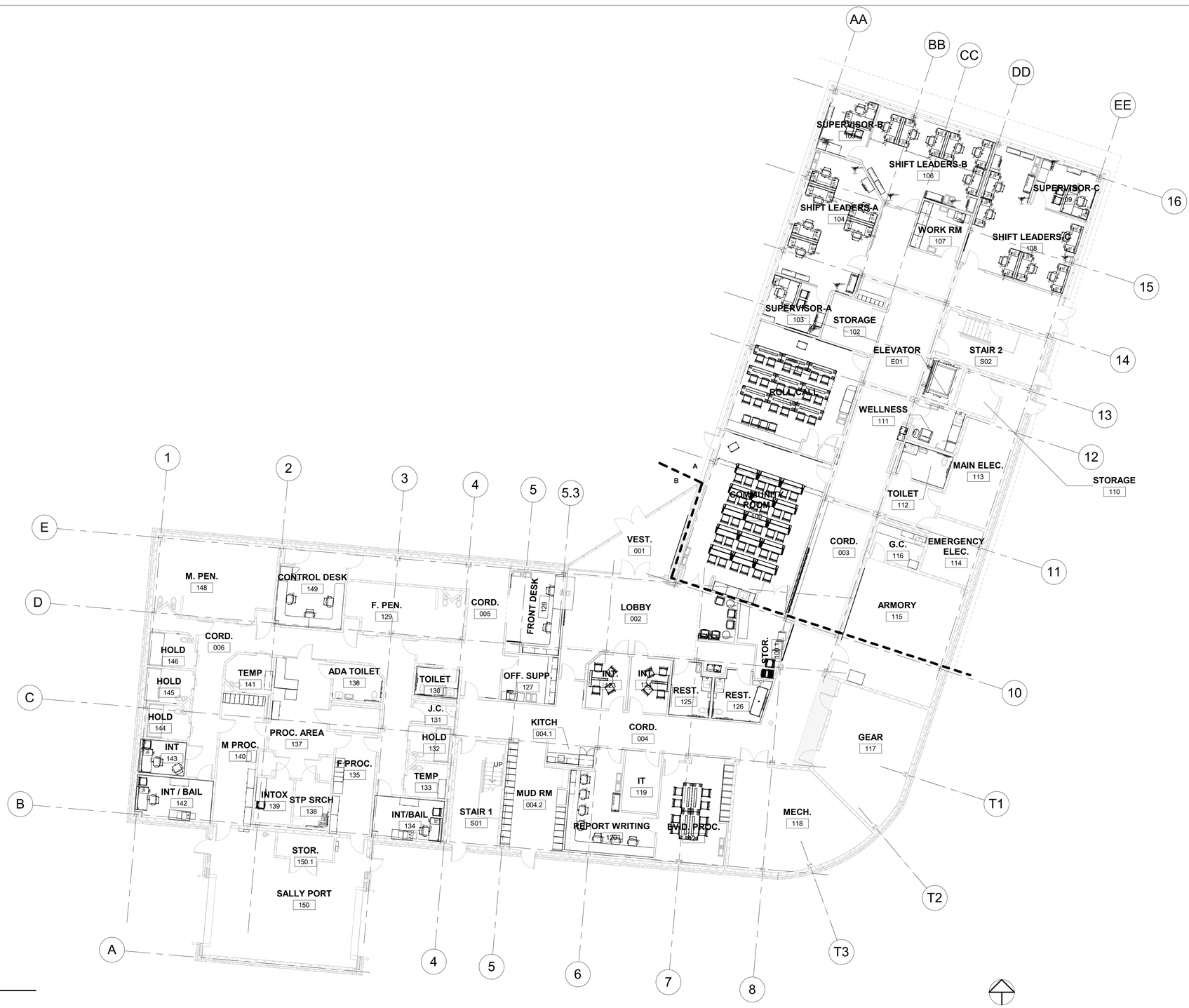
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Murphy & Dittenhafer ARCHITECTS
830 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4619 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-620	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 161 OF 302
	DRAWING NUMBER
	2024-1474
	FILE NO.: 8



1 FIRST FLOOR FURNITURE PLAN
3/32" = 1'-0"

PROJECT NORTH

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Murphy & Dittenhafer ARCHITECTS

300 North Charles Street, Baltimore, Maryland 21201 410-625-4423 voice 410-625-4676 fax

226 West Market Street, York, Pennsylvania 17401 717-846-6927 voice 717-843-2488 fax

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A JAMES WOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE : 6/19/2025 1:20:11 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.			
LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 3/32" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

ARCHITECT: Frank Elwood Dittenhafer, II

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: JAT
DWN BY: DWG/ AWU
CHKD BY: RLM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR FURNITURE PLAN - FOR REFERENCE ONLY

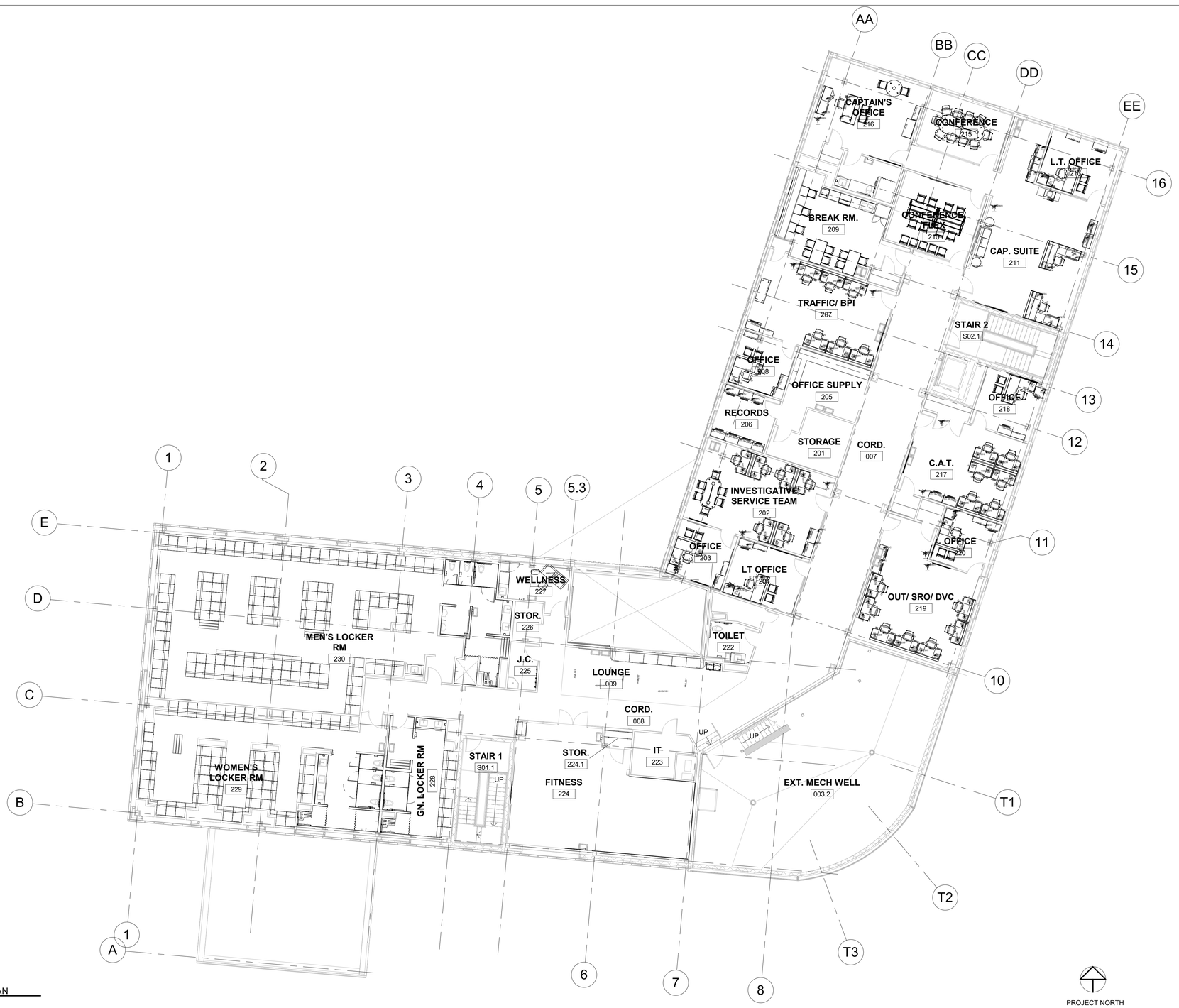
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-801	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 162 OF 302
	DRAWING NUMBER
	2024-1475
	FILE NO.: 8 REV. 03/22



1 SECOND FLOOR FURNITURE PLAN
3/32" = 1'-0"

PROJECT NORTH

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Murphy & Dittenhafer ARCHITECTS
200 North Charles Street, Baltimore, Maryland 21201 410-625-4433 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-845-2627 voice 717-845-2498 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 6/19/2025

DATE: 6/19/2025 1:20:15 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 6607 , EXPIRATION DATE 06/13/2027				R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 3/32" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
	CONTRACT COMPLETION BOX							

ARCHITECT: Frank Elwood Dittenhafer, II	DGN BY: JAT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DWG/ AWU	REVIEWED BY:							
BY: DATE:	CHK'D BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR FURNITURE PLAN - FOR REFERENCE ONLY

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
A-802	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 163 OF 302
	DRAWING NUMBER
	2024-1476
	FILE NO.: 8

GENERAL NOTES

FOUNDATION AND SLAB ON GRADE:

NOTE: 1
BUILDING FOUNDATIONS ARE DESIGNED FOR A BEARING CAPACITY OF 2500 PSF BASED ON THE GEOTECHNICAL REPORT PREPARED BY FINDLING, INC., DATED NOVEMBER 22, 2023. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL 1'-0" BELOW ORIGINAL GRADE OR ON STRUCTURALLY COMPACTED FILL. BOTTOM OF EXTERIOR FOOTINGS SHALL BE 2'-6" BELOW FINISHED GRADE. PRIOR TO PLACING FOUNDATIONS, A GEOTECHNICAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION SHALL INSPECT THE EXPOSED SUBGRADE, INCLUDING EXISTING FILL, AND CONFIRM THAT IT IS CAPABLE OF SUPPORTING THE RECOMMENDED DESIGN SOIL BEARING CAPACITY. IF UNSUITABLE SUBGRADE IS ENCOUNTERED, UNDERCUT TO NATURAL SOIL OR SUBGRADE APPROVED BY THE GEOTECHNICAL ENGINEER AND REPLACE WITH NEW COMPACTED FILL OR LEAN CONCRETE. UNDERCUT OPERATIONS AND/OR USE OF LEAN CONCRETE OPTION SHALL NOT GENERATE ADDITIONAL EXPENSE UNLESS APPROVED BY THE OWNER IN ADVANCE.

NOTE: 2
ALL FILL UNDER SLABS-ON-GRADE SHALL BE COARSE GRANULAR MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM WATER CONTENT. SLABS-ON-GRADE SHALL BE POURED IN ACCORDANCE WITH ACI 302.1R, "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (LATEST LOCAL APPROVED EDITION). SAW CUT CONTROL JOINTS SUCH THAT TOTAL AREA BOUNDED BY SAW CUTS AND FORMED EDGES DOES NOT EXCEED 400 FT^2 AND LONG SIDE TO SHORT SIDE DOES NOT EXCEED A 1.5:1 RATIO. PROVIDE #4 x3'-0" LONG BAR AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL/CONSTRUCTION JOINT TERMINATING.

NOTE: 3
DO NOT BACKFILL AGAINST WALLS UNTIL SUPPORTING SLABS ARE IN PLACE AND HAVE ATTAINED DESIGN STRENGTH.

NOTE: 4
WALLS SUPPORTED AT THE TOP BY A SLAB-ON-GRADE SHALL BE BRACED UNTIL THE SLAB HAS ATTAINED DESIGN STRENGTH. BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

NOTE: 5
BASEMENT AND CANTILEVER RETAINING WALLS HAVE NOT BEEN DESIGNED FOR SURCHARGE LOADINGS ASSOCIATED WITH CONSTRUCTION TRAFFIC, TEMPORARY STORAGE, ETC. THE CONTRACTOR SHALL KEEP CONSTRUCTION SURCHARGES AWAY FROM THE INFLUENCE LINE OF THESE WALLS OR THE CONTRACTOR SHALL INSTALL TEMPORARY BRACING FOR THESE WALLS. DESIGN OF THE TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE:

NOTE: 1
CONCRETE, UNLESS OTHERWISE NOTED ON THE PLANS OR SCHEDULES, SHALL BE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS (f'_c):

- FOUNDATIONS 3000 PSI
- SLAB ON GRADE 4000 PSI
- WALLS 4000 PSI
- SLABS ON METAL DECK 4000 PSI
- SITE RETAINING WALLS 5000 PSI

CONCRETE NOT OTHERWISE SPECIFIED SHALL BE f'_c=3000 PSI NORMAL WEIGHT CONCRETE. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE f'_c=5000 PSI MINIMUM AND SHALL BE AIR ENTRAINED FOR EXPOSURE CLASS F3 PER ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION).

NOTE: 2
ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM DESIGNATION A615 (LATEST LOCAL APPROVED EDITION), GRADE 60. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI SP-66, "ACI DETAILING MANUAL" (LATEST LOCAL APPROVED EDITION).

NOTE: 3
ALL SPLICES IN REINFORCING SHALL BE CLASS "B" SPLICES IN ACCORDANCE WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION) EXCEPT AS OTHERWISE NOTED.

NOTE: 4
WELDED WIRE FABRIC (W.W.F.) SHALL HAVE ENDS LAPPED ONE FULL MESH AND SHALL BE ADEQUATELY SUPPORTED BY CHAIRS OR BOLSTERS. WELDED WIRE FABRIC SHALL BE PLACED WITHIN THE UPPER THIRD OF THE SLAB ON GRADE AND 3/4" CLEAR FROM THE TOPS OF THE SLABS ON METAL DECK.

NOTE: 5
WALL FOOTING REINFORCING SHALL EXTEND 2'-0" INTO ADJACENT COLUMN FOOTING, UNLESS OTHERWISE NOTED.

NOTE: 6
UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS, PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:

CAST AGAINST EARTH = 3"
EXPOSED TO EARTH OR WEATHER:
NO. 6 AND LARGER BARS = 2"
NO. 5 AND SMALLER BARS = 1 1/2"
NOT EXPOSED TO EARTH OR WEATHER:
SLABS AND WALLS = 3/4"
BEAMS AND COLUMNS = 1 1/2" TO TIES, STIRRUPS OR SPIRALS

NOTE: 7
OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. SEE MEP AND ARCHITECTURAL DRAWINGS FOR HOLES IN SLABS NOT SHOWN.

NOTE: 8
THE GENERAL CONTRACTOR SHALL SUBMIT PLANS SHOWING ALL PENETRATIONS THROUGH THE FRAMED SLABS. THE OPENINGS SHALL BE ACCURATELY LOCATED AND DIMENSIONED.

NOTE: 9
NO OPENINGS SHALL BE MADE THROUGH FLOORS ON METAL DECK UNLESS THEY ARE SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR ON THE APPROVED STRUCTURAL SHOP DRAWINGS.

CONCRETE CONTINUED:

NOTE: 10
NO CONDUITS SHALL BE PLACED IN STRUCTURAL CONCRETE WITHOUT AUTHORIZATION FROM THE ENGINEER OR RECORD.

NOTE: 11
CONSTRUCTION JOINTS IN WALLS, BEAMS AND SLABS SHALL BE LOCATED MIDWAY BETWEEN SUPPORTS. WHEN AN INTERSECTING MEMBER OCCURS AT MIDSPAN, THE JOINT SHALL BE OFFSET TWICE THE WIDTH OF THE INTERSECTING MEMBER. BEFORE FRESH CONCRETE IS POURED AGAINST CONCRETE IN PLACE, THE CONTACT SURFACES SHALL BE THOROUGHLY CLEANED, ALL LAITANCE SHALL BE REMOVED AND THE CONTACT SURFACES SHALL BE THOROUGHLY SLUSHED WITH GROUT CONSISTING OF ONE PART SAND TO ONE PART CEMENT WITH A MINIMUM AMOUNT OF WATER.

NOTE: 12
CONSTRUCTION JOINTS SHALL HAVE THE SURFACE OF THE FIRST POUR ROUGHENED TO 1/4" AMPLITUDE, UNLESS OTHERWISE NOTED.

NOTE: 13
THE CONTRACTOR MUST SUBMIT A CONCRETE DESIGN MIX IN ACCORDANCE WITH ACI 318 (LATEST LOCAL APPROVED EDITION). SUCH DESIGN MIX SHALL BE ACCOMPANIED BY THE APPROPRIATE GRAPHS AND BACKGROUND DATA. CONCRETE DESIGN MIX SHALL INDICATE 7 AND 28 DAY STRENGTHS, CEMENT CONTENT,
WATER-CEMENT RATIO, FINE AND COARSE AGGREGATES AND ADMIXTURES FOR EACH DESIGN STRENGTH. THE ADDITION OF WATER AT THE PLANT OR IN THE FIELD GREATER THAN THE SPECIFIED WATER CONTENT IS STRICTLY PROHIBITED.

NOTE: 14
ALL CONCRETE WORK SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF THE FOLLOWING ACI AND ASTM DOCUMENTS:
- ACI-301 SPECIFICATIONS FOR STRUCTURAL CONCRETE
- ACI-318 CODE
- ACI-214 COMPRESSIVE TEST
- ACI-306 COLD WEATHER
- ACI SP-66 DETAILING
- ACI-347 FORMWORK
- ACI-305 HOT WEATHER
- ACI-211 PROPORTIONS OF CONCRETE
- ACI-304 PLACING CONCRETE
- ASTM C-94 READY-MIX CONCRETE

NOTE: 15
ALL FIELD AND LAB TESTING OF CONCRETE SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF ASTM:
- ASTM C-31 FIELD CYLINDER SPECIMENS
- ASTM C-143 SLUMP TEST
- ASTM C-231 AIR CONTENT (WHEN REQUIRED)
- ASTM C-39 LAB TESTING CYLINDERS
- ASTM C-172 SAMPLING FRESH CONCRETE
- ASTM C-42 HARDENED CORES (WHEN REQUIRED)

TEST RESULTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

NOTE: 16
ALL FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347, "GUIDE TO FORMWORK FOR CONCRETE" (LATEST LOCAL APPROVED EDITION).

NOTE: 17
CONCRETE SLABS ON METAL DECK AND STEEL FRAMING ARE DESIGNED AS UNSHORED. SLABS SHALL BE POURED LEVEL TO THE ELEVATIONS NOTED ON THE PLAN. FOR BIDDING PURPOSES, THE CONCRETE CONTRACTOR SHALL ASSUME AN AVERAGE OF 1/2" ADDITIONAL CONCRETE OVER THE FOOTPRINT OF THE FLOOR TO ACCOUNT FOR DEFLECTION OF THE FRAMING UNDER THE WET LOAD OF THE CONCRETE.

MASONRY:

NOTE: 1
CONCRETE MASONRY SHALL CONFORM TO THE LATEST EDITION OF ASTM SPECIFICATION C90. CONCRETE MASONRY SHALL BE SAMPLED AND TESTED BY THE MASONRY SUPPLIER ACCORDING TO ASTM C140. ALL CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) AND TMS 602, "SPECIFICATION FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION).

NOTE: 2
UNLESS OTHERWISE NOTED, CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI ON THE NET AREA. ALL BRICK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3350 PSI ON THE NET AREA.

NOTE: 3
ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR TO BE USED SHALL BE SAMPLED AND TESTED BY THE BRICK AND MASONRY SUPPLIERS ACCORDING TO ASTM C780 AND RESULTS SUBMITTED TO THE ENGINEER FOR APPROVAL. MORTAR SHALL BE PORTLAND CEMENT/LIME MORTAR TYPE "S" AS A MINIMUM.

NOTE: 4
UNLESS NOTED OTHERWISE, PROVIDE 8" MINIMUM OF BRICK OR 100% SOLID MASONRY CONTINUOUS BELOW ALL JOISTS OR SLAB BEARING LINES. PROVIDE 16" MINIMUM BRICK OR 100% SOLID MASONRY BELOW ALL LINTELS AND/OR MINOR WALL BEARING BEAMS.

NOTE: 5
LOOSE LINTELS FOR OPENINGS IN MASONRY BEARING WALLS SHALL BE AS FOLLOWS FOR EACH 4" WIDTH:
- 0'-0" TO 3'-0"........................3 1/2 "x3 1/2"x5/16"ANGLE
- 3'-1" TO 5'-0"........................4"x3 1/2"x5/16" ANGLE
- 5'-1" TO 6'-0"........................5"x3 1/2"x3/8" ANGLE
- 6'-1" TO 8'-0"........................6"x3 1/2"x3/8" ANGLE

ALL ANGLES SHALL HAVE THEIR SHORT LEG OUTSTANDING AND 6" MINIMUM BEARING.

NOTE: 6
LINTELS OVER OPENINGS 10'-0" WIDE OR LESS IN INTERIOR NON-BEARING MASONRY PARTITIONS NOT OTHERWISE SPECIFIED SHALL BE PRECAST LIGHTWEIGHT CONCRETE LINTELS REINFORCED WITH 1-#5 BAR TOP AND BOTTOM FOR EACH 4" WIDTH.

NOTE: 7
ALL SOLID CMU SHALL BE 100% SOLID BLOCK OR HOLLOW BLOCK WITH CELLS FILLED 100% SOLID WITH f 'c=3000 PSI COARSE AGGREGATE GROUT CONFORMING TO ASTM C476. GROUT SHALL BE PLACED IN POUR HEIGHTS NOT TO EXCEED 4'-0" AS CMU CONSTRUCTION PROGRESSES. THE WEBS OF THE MASONRY UNITS SHALL BE FULLY MORTARED AROUND ALL GROUTED CELLS.

NOTE: 8
ALL REINFORCED CELLS IN HOLLOW BLOCK SHALL BE GROUTED 100% SOLID PER NOTE ABOVE.

NOTE: 9
ALL SPLICES IN REINFORCING STEEL FOR MASONRY WALLS SHALL AS FOLLOWS UNLESS NOTED OTHERWISE:
- #4 BAR ----- 2'-8"
- #5 BAR ----- 3'-4"
- #6 BAR ----- 4'-0"

NOTE: 10
ALL CMU WALLS 8" OR WIDER SHALL HAVE THE FOLLOWING MINIMUM REINFORCING UNLESS NOTED OTHERWISE:
- INTERIOR WALLS ....#5 AT 72" o.c.
- EXTERIOR WALLS ....#5 AT 48" o.c.

NOTE: 11
IN ADDITION TO REINFORCING STEEL NOTED ON PLANS, SCHEDULES AND SECTIONS, PROVIDE VERTICAL BARS OF SAME SIZE WITHIN 8"OF EACH SIDE OF WALL CONTROL JOINTS, WITHIN 8" OF THE ENDS OF WALLS, WITHIN 16" OF EACH SIDE OF OPENINGS AND AT ALL CORNERS.

NOTE: 12
REINFORCING BAR POSITIONERS SHALL BE USED TO HOLD BARS IN PROPER LOCATION. POSITIONERS SHALL BE PLACED AT A MAXIMUM VERTICAL SPACING OF 48"o.c.

NOTE: 13
ALL 6" CMU NON-BEARING WALLS SHALL BE DOWELED TO THE SUPPORTING SLAB WITH #4 AT 48"o.c. UNLESS NOTED OTHERWISE.

NOTE: 14
ALL MASONRY ANCHORS SHALL BE INSTALLED IN MASONRY THAT HAS BEEN GROUTED SOLID A MINIMUM OF 8" ABOVE AND BELOW THE ANCHOR AND A MINIMUM OF 8" EACH SIDE OF THE ANCHOR.

NOTE: 15
MASONRY CONSTRUCTION SHALL BE INSPECTED TO QUALITY ASSURANCE LEVEL 3 AS DETAILED IN TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION).

NOTE: 16
CONDUIT PLACED IN MASONRY SHALL CONFORM TO TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION). A SINGLE VERTICAL CONDUIT WITH A MAXIMUM DIAMETER OF 1" IS PERMITTED IN MASONRY PIERS. CONDUIT SHALL BE PLACED MINIMUM 1" CLEAR FROM ALL VERTICAL REINFORCEMENT. LARGER CONDUIT AND/OR GREATER QUANTITIES ARE NOT PERMITTED IN MASONRY PIERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD. NO CONDUIT SHALL BE PLACED IN BOND BEAMS.

MASONRY CONTROL JOINTS:

NOTE: 1
CONTROL JOINTS IN MASONRY WALLS SHALL CONFORM TO NCMA TEK 10-2D, "CONTROL JOINTS FOR CONCRETE MASONRY WALLS-EMPIRICAL METHOD".

NOTE: 2
SPACING OF CONTROL JOINTS SHALL NOT EXCEED 25 FEET OR 1.5 TIMES THE HEIGHT OF THE WALL, WHICHEVER IS SMALLER. IN ADDITION, CONTROL JOINTS SHALL BE PLACED ADJACENT TO CORNERS AND WALL INTERSECTIONS, CHANGES IN WALL HEIGHT, AND CHANGES IN WALL THICKNESS. CONTROL JOINTS AT CORNERS AND WALL INTERSECTIONS SHALL BE PLACED SUCH THAT THE DISTANCE TO THE CORNER OR WALL INTERSECTION DOES NOT EXCEED ONE HALF THE TYPICAL CONTROL JOINT SPACING.

NOTE: 3
CONTROL JOINTS SHALL BE PLACED MINIMUM 2'-0" CLEAR OF ALL WINDOW AND DOOR OPENINGS. WHEN MULTIPLE OPENINGS EXIST IN THE SAME WALL, CONTROL JOINTS SHALL BE PLACED NEAR THE MIDPOINT BETWEEN OPENINGS.

NOTE: 4
REFER TO ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN BRICK AND MASONRY VENEER. CONTROL JOINTS IN THE VENEER DO NOT NECESSARILY ALIGN WITH THE CONTROL JOINTS IN THE SUPPORTING BACKUP WALL.

NOTE: 5
UNLESS NOTED OTHERWISE, CONTROL JOINTS SHALL TERMINATE AT THE SLAB ON GRADE OR ON TOP OF FOUNDATION WALL. JOINTS SHALL NOT BE INSTALLED BELOW GRADE. CONTROL JOINTS IN THE MASONRY WALLS SHALL ALIGN WITH CONTROL JOINTS IN THE SLAB ON GRADE TO THE GREATEST EXTENT POSSIBLE.

NOTE: 6
CONTROL JOINTS ARE PROHIBITED IN SOLID MASONRY PIERS.

NOTE: 7
CONTROL JOINTS IN BEARING WALLS SHALL BE PLACED MINIMUM 1'-6" CLEAR OF BEARING LOCATIONS AS MEASURED FROM THE CENTERLINE OF THE SUPPORTED MEMBER.

NOTE: 8
INTERRUPT ALL JOINT REINFORCEMENT AT CONTROL JOINTS AND INSTALL PREFORMED GASKET OR KEYED PAPER JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR JOINT REQUIREMENT. BOND BEAM REINFORCEMENT SHALL BE INTERRUPTED AND SUPPLEMENTED WITH SMOOTH DOWELS. DE-BOND DOWEL ON ONE SIDE OF THE JOINT BY WRAPPING IN BUILDING PAPER OR PLASTIC SLEEVE.

NOTE: 9
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A MASONRY CONTROL JOINT LAYOUT AND SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW. THE SUBMITTAL SHALL INCLUDE A DIMENSIONED LAYOUT OF ALL VERTICAL CONTROL JOINTS IN MASONRY WALLS AND MASONRY OR BRICK VENEER.

COLD-FORMED METAL FRAMING:

NOTE: 1
GALVANIZED STUDS, JOISTS, AND TRACKS, 12, 14, AND 16 GAGE SHALL BE FORMED FROM STEEL THAT CONFORMS TO ASTM A653, GRADE 50. GALVANIZED 18 AND 20 GAGE STUDS, JOISTS, TRACKS, AND ALL GALVANIZED BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A653 GRADE 33.

NOTE: 2
ALL COLD-FORMED METAL FRAMING SHALL BE FORMED FROM STEEL HAVING A G-90 GALVANIZED COATING.

NOTE: 3
FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTING. PREFABRICATED PANELS SHALL BE SQUARE WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING. HANDLING AND LIFTING OF PREFABRICATED FRAME PANELS SHALL BE DONE IN A MANNER AS NOT TO CAUSE DISTORTION IN ANY MEMBER.

NOTE: 4
PROVIDE UNIFORM AND LEVEL BEARING SUPPORT FOR THE BOTTOM TRACK.

NOTE: 5
AT TRACK BUTT JOINTS, ABUTTING PIECES OF TRACK SHALL BE BUTT WELDED OR SPLICED TOGETHER.

NOTE: 6
STUDS SHALL BE PLUMBED, ALIGNED, AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF THE TRACKS. THE ENDS OF THE STUDS MUST BEAR AGAINST THE WEB OF BOTH UPPER AND LOWER TRACKS, UNLESS OTHERWISE NOTED.

NOTE: 7
WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION. BRIDGING ROWS SHALL BE EQUALLY SPACED NOT TO EXCEED 4'-0"o.c.

NOTE: 8
TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION OF THE STRUCTURAL SYSTEM IS COMPLETE.

NOTE: 9
SIZES AND GAGES OF COLD-FORMED METAL FRAMING SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. FRAMING SHALL BE DESIGNED FOR THE WIND LOADS REQUIRED BY THE LOCAL BUILDING CODE AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. FOR BIDDING PURPOSES, PROVIDE MULTIPLE STUDS AT EACH SIDE OF OPENINGS EQUAL TO ONE-HALF OPENING WIDTH DIVIDED BY THE STUD SPACING.

STEEL:

NOTE: 1
ALL STEEL JOISTS SHALL CONFORM TO THE SJI STANDARD SPECIFICATIONS IN ALL RESPECTS AND SHALL HAVE BRIDGING IN ACCORDANCE WITH THE SJI SPECIFICATIONS. JOISTS SHALL BE WELDED TO STEEL SUPPORTS PER SJI SPECIFICATIONS. JOISTS SUPPORTED BY A COLUMN SHALL BE WELDED TO THE COLUMN WITH 1/8"x2" LONG FILLET WELD EACH SIDE UNLESS NOTED OTHERWISE.

NOTE: 2
STRUCTURAL STEEL FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM SPECIFICATION A992. STRUCTURAL STEEL FOR HSS MEMBERS SHALL CONFORM TO ASTM SPECIFICATION A500 GRADE C. STRUCTURAL STEEL FOR PIPES SHALL CONFORM TO ASTM SPECIFICATION A53 TYPE E, GRADE B. ALL OTHER STEEL SHALL CONFORM TO ASTM SPECIFICATION A36. MILL TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT. ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL, AISC SPECIFICATION AND AISC CODE OF STANDARD PRACTICE. ALL CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL DEVELOP THE ALLOWABLE UNIFORM LOAD OF THE BEAM. CONNECTIONS FOR COMPOSITE BEAMS SHALL DEVELOP THE REACTION NOTED ON THE PLANS. IN GENERAL, FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER A325 BOLTS UNLESS OTHERWISE NOTED AND SHOP CONNECTIONS SHALL BE WELDED.

NOTE: 3
BOLTS, EXCEPT AS NOTED, NEED ONLY BE INSTALLED TO THE "SNUG TIGHT" CONDITION AS DEFINED IN THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS." BOLTS IN BEAM TO COLUMN CONNECTIONS THAT HAVE SLOTTED HOLES, BOLTS NOTED AS SLIP CRITICAL, AND BOLTS SUBJECT TO DIRECT TENSION SHALL BE FULLY PRE-TENSIONED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS" (LATEST LOCAL APPROVED EDITION).

NOTE: 4
WELDS SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES.

NOTE: 5
ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE, SINGLE ANGLE, SINGLE PLATE, OR THRU PLATE CONNECTIONS PER THE TYPICAL DETAILS OF THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE SELECTED BY THE STEEL DETAILER BASED ON THE CONNECTION TABLES PROVIDED IN THE TYPICAL DETAILS. LOADS SHOWN IN THE DRAWINGS ARE ASD LOADS UNLESS OTHERWISE NOTED.

NOTE: 6
ALL GROOVE WELDS SHALL BE FULL PENETRATION GROOVE WELDS IN ACCORDANCE WITH ANSI/AWS D1.1, "STRUCTURAL WELDING CODE" (LATEST LOCAL APPROVED EDITION). THESE WELDS SHALL BE MADE ONLY BY OPERATORS QUALIFIED BY PRESCRIBED TESTS IN THE "STRUCTURAL WELDING CODE." ACCEPTANCE SHALL BE SUBJECT TO THE INSPECTION AND REVIEW OF AN INDEPENDENT INSPECTION AGENCY. ALL FULL PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED.

NOTE: 7
HOLES AND OPENINGS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

NOTE: 8
FIELD MODIFICATION OF THE STRUCTURAL STEEL IS NOT ALLOWED WITHOUT PRIOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.

NOTE: 9
WELDING SEQUENCE AND TECHNIQUE SHALL BE SUCH THAT DISTORTION OF STEEL MEMBERS IS MINIMIZED AND UNDUE DISTORTION IS AVOIDED.

NOTE: 10
ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A RUST INHIBITIVE PRIMER. ALL EXPOSED STEEL AND LINTELS IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED. REFER TO ARCHITECTURAL DRAWINGS FOR GALVANIZED STEEL THAT SHALL RECEIVE A PAINTED FINISH COAT.

NOTE: 11
THE SYMBOL [No.] ADJACENT TO A BEAM OR PORTION OF A BEAM DENOTES THE NUMBER OF 3/4" DIAMETER HEADED STUDS TO BE WELDED TO THE TOP OF THE BEAM OR PORTION OF THE BEAM. STUDS SHALL EXTEND 1 1/2" ABOVE THE DECK AFTER INSTALLATION. THE NUMBER OF STUDS HAS BEEN DETERMINED BY ASSUMING THE SHAPE OF THE METAL DECK CAUSES NO REDUCTION IN THE SHEAR CAPACITY OF THE STUDS. IF REQUIRED, THE TOTAL NUMBER OF STUDS, [No.], SHALL BE INCREASED IN ACCORDANCE WITH AISC SPECIFICATIONS TO ALLOW FOR ANY REDUCTION IN SHEAR CAPACITY DUE TO THE METAL DECK CONFIGURATION.

NOTE: 12
TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL THE INSTALLATION OF THE FOLLOWING ITEMS HAS BEEN COMPLETED AND INSPECTED:
- METAL ROOF DECK
- ELEVATED CONCRETE FLOORS
- LATERAL BRACING COMPONENTS INCLUDING ANCHOR BOLTS
- SHEAR WALLS
- MOMENT CONNECTIONS

METAL DECK:

NOTE: 1
FABRICATION AND ERECTION OF ALL METAL DECK SHALL CONFORM TO THE LATEST EDITION OF STEEL DECK INSTITUTE SPECIFICATIONS.

NOTE: 2
FLOOR DECK SHALL BE MADE OF STEEL CONFORMING TO ASTM A653 SS GRADE 40 MINIMUM. ROOF DECK SHALL BE MADE OF STEEL CONFORMING TO ASTM A653 SS GRADE 40 MINIMUM GALVANIZED DECK SHALL HAVE COATING DESIGNATION G60.

NOTE: 3
METAL DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES:
- ROOF DECK I = 0.277 IN^4, S = 0.306 IN^3
- COMPOSITE FLOOR DECK I = 0.403 IN^4, S = 0.326 IN^3

NOTE: 4
ALL METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER 3 SPANS MINIMUM AND SHALL BEAR AT LEAST 2" ON STEEL SUPPORTS. FOR ONE OR TWO SPAN CONDITIONS, THE CONTRACTOR SHALL PROVIDE SHORING OR FURNISH HEAVIER GAGE DECK AS REQUIRED TO SUPPORT ALL THE APPLICABLE LOADS. THE CONTRACTOR SHALL SUBMIT THE ALTERNATE LAYOUT FOR APPROVAL.

NOTE: 5
DECK SHALL BE WELDED TO SUPPORTING STEEL AT ENDS OF UNITS AND AT ALL INTERMEDIATE SUPPORTS AT 12"o.c., AND AS NOTED ON PLANS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SIDE LAPS SHALL BE WELDED OR SCREWED AT MID SPAN AND AS NOTED ON PLANS.

NOTE: 6
PROVIDE RIDGE AND VALLEY PLATES, REINFORCING CHANNELS, STANDARD CLOSURES, CANT STRIPS, SUMP PANS, FINISH STRIPS, POUR STOPS, AND OTHER ACCESSORIES AS SHOWN ON THE DRAWINGS OR AS REQUIRED.

NOTE: 7
DO NOT HANG ANY EQUIPMENT, LIGHTS, DUCTS, PIPES, ETC., FROM METAL ROOF DECK.

SUPPORT FOR DUCTWORK, PIPING AND MECHANICAL UNITS:

NOTE: 1
NO MECHANICAL UNITS SHALL BE PLACED ON OR HUNG FROM JOISTS WITHOUT THE APPROVAL OF THE ENGINEER. NO UNITS SHALL BE SUPPORTED FROM THE BOTTOM CHORD OF THE JOIST.

NOTE: 2
DUCTWORK AND PIPING SHALL ONLY BE HUNG FROM THE STEEL FRAMING. AT JOISTS, HANGERS SHALL BE SUPPORTED FROM THE TOP CHORD PANEL POINT AND THE LOAD ON INDIVIDUAL HANGERS SHALL NOT EXCEED 300 POUNDS.

NOTE: 3
PIPE RISERS SHALL BE SUPPORTED FROM THE FLOOR SLAB BELOW WITH A CLAMP OR STANCHION.

NOTE: 4
JOISTS HAVE BEEN DESIGNED FOR A UNIFORM HANGING SPRINKLER LOAD OF 3 PSF. THE SPRINKLER CONTRACTOR SHALL SPACE THE SPRINKLERS SO THAT THE UNIFORM HANGING SPRINKLER LOAD IS NOT EXCEEDED. SPRINKLER LINES 4" AND LARGER THAT RUN PARALLEL WITH THE JOISTS SHALL BE PLACED EVENLY BETWEEN TWO JOISTS. SPRINKLER PIPES SHALL BE HUNG FROM THE TOP CHORD PANEL POINT OF THE JOISTS AND THE LOAD ON EACH INDIVIDUAL HANGER SHALL NOT EXCEED 300 POUNDS.

NOTE: 5
THE MAXIMUM TOTAL HUNG LOAD ON ANY SINGLE JOIST FROM MULTIPLE HANGERS SHALL NOT EXCEED 900 POUNDS.

RIGGING, HOISTING AND SCAFFOLDING REQUIREMENTS:

NOTE: 1
THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT FOR REVIEW A SITE SPECIFIC RIGGING AND HOISTING PLAN FOR ALL MAJOR EQUIPMENT THAT WILL BE TRANSPORTED THROUGH OR HOISTED FROM THE BUILDING. THE PLAN SHALL INCLUDE THE SEQUENCE OF ERECTION, THE DESCRIPTION OF THE RIGGING, HOISTING AND TRANSPORTATION EQUIPMENT AND THE SITE PREPARATIONS THAT WILL BE NEEDED TO COMPLETE THE INSTALLATION.

NOTE: 2
THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT FOR REVIEW A SITE SPECIFIC PLAN FOR ALL SCAFFOLDING THAT WILL BE INSTALLED ON FRAMED FLOORS AND ROOFS.

NOTE: 3
THE PROPOSED RIGGING, HOISTING OR SCAFFOLDING PLAN SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. THE PROFESSIONAL ENGINEER SHALL PROVIDE A SIGNED AND SEALED CERTIFICATION STATING THAT THE PROPOSED PLAN WILL NOT DAMAGE OR OVERSTRESS THE STRUCTURE.

NOTE: 4
IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE LOADS SUPERIMPOSED BY THE RIGGING, HOISTING OR SCAFFOLDING SYSTEMS WILL NOT EXCEED THE FOLLOWING LOADS:
- FRAMED FLOORS = 80 PSF
- ROOFS = 30 PSF

NOTE: 5
THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL FINISHES.

GENERAL NOTES CONTINUE ON S-002

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CEI No. 23-067 / Revit 21
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SEAL: STATE OF MARYLAND, KEVIN G. McGRATH, No. 36746, PROFESSIONAL ENGINEER
DATE: 06/19/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027
ENGINEER: Kevin McGrath, P.E.
DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				GSW	14SW19 14SW20 15SW19 15SW20
			R.O.W NO.		
CONTRACT COMPLETION BOX					

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE: 3/4" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
GENERAL NOTES
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-001	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 164 OF 302
	DRAWING NUMBER
	2024 - 1477
	FILE NO.: 8 REV. 03/22

CEI# 23-067

GENERAL NOTES CONTINUED

POST-INSTALLED ANCHORS AND REINFORCING:

NOTE: 1
ANCHORS SHALL BE THE FOLLOWING TYPES MANUFACTURED BY HILTI, INC.:
a. ADHESIVE ANCHORS IN CONCRETE: HILTI HIT-HY200 V3 ANCHORING SYSTEM PER ICC ESR-4898 WITH HILTI HIT-Z THREADED ROD.
b. ADHESIVE ANCHORS IN SOLID GROUTED MASONRY: HILTI HIT-HY270 MASONRY ADHESIVE SYSTEM PER ICC ESR-4143/ESR-4144 WITH HILTI HAS-E CONTINUOUSLY THREADED ROD.
c. ADHESIVE ANCHORS IN HOLLOW AND MULTI-WYTHE MASONRY: HILTI HIT-HY270 MASONRY ADHESIVE SYSTEM PER ICC ESR-2682 WITH HILTI HAS-E CONTINUOUSLY THREADED ROD AND APPROPRIATE SIZE SCREEN TUBE.
d. MECHANICAL ANCHORS IN CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHOR PER ICC ESR-4266
e. MECHANICAL ANCHORS IN SOLID GROUTED MASONRY: HILTI KWIK BOLT TZ2 EXPANSION ANCHOR PER ICC ESR-4561

ALTERNATE MANUFACTURERS OR ANCHORS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO USE. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS DEMONSTRATING THAT THE PROPOSED SUBSTITUTIONS, BASED ON THEIR SPECIFIC ICC-ES EVALUATION REPORTS, ARE CAPABLE OF ACHIEVING THE PERFORMANCE VALUES EQUAL TO OR GREATER THAN THOSE OF THE ANCHORS SPECIFIED.

NOTE: 2
ADHESIVE ANCHORS AND REINFORCING SHALL NOT BE INSTALLED UNTIL THE CONCRETE OR GROUT HAS BEEN ALLOWED TO CURE FOR 21 DAYS AND HAS ATTAINED 70% OF ITS DESIGN STRENGTH.

NOTE: 3
MECHANICAL ANCHORS SHALL NOT BE INSTALLED UNTIL THE CONCRETE OR GROUT HAS ATTAINED 70% OF ITS DESIGN STRENGTH.

NOTE: 4
ALL POST INSTALLED ANCHORS AND REINFORCING SHALL BE INSTALLED IN DRY HOLES THAT HAVE BEEN DRILLED, CLEANED AND PREPARED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND THE RESPECTIVE ICC ES EVALUATION REPORTS.

NOTE: 5
THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL THE ANCHORING PRODUCTS SPECIFIED IN THE DRAWINGS. PRIOR TO INSTALLATION OF ANY ANCHORS, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT DOCUMENTED CONFIRMATION FROM THE MANUFACTURER'S REPRESENTATIVE THAT THE CONTRACTOR'S PERSONNEL WHO WILL INSTALL THE ANCHORS HAVE BEEN PROPERLY TRAINED FOR THE SPECIFIED ANCHORS.

NOTE: 6
IN ADDITION TO TRAINING BY THE MANUFACTURER'S REPRESENTATIVE, THE CONTRACTOR'S PERSONNEL WHO WILL INSTALL ADHESIVE ANCHORS IN CONCRETE SHALL BE CERTIFIED BY AN ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM.

NOTE: 7
ALL ANCHORS AND REINFORCING SHALL BE INSTALLED IN ACCORDANCE WITH THE SPACING AND EDGE DISTANCES SHOWN IN THE DRAWINGS. THE CONTRACTOR SHALL INFORM THE ARCHITECT PRIOR TO INSTALLING THE ANCHORS IF THE SPACING AND EDGE DISTANCES SHOWN IN THE DRAWINGS CANNOT BE ACHIEVED. IF THIS IS THE CASE, RE-DESIGN MIGHT BE REQUIRED AND THE ANCHORS SHOULD NOT BE INSTALLED UNTIL APPROVAL HAS BEEN PROVIDED BY COLUMBIA ENGINEERING, INC.

NOTE: 8
MECHANICAL ANCHORS INSTALLED IN GROUTED MASONRY SHALL BE LOCATED A MINIMUM 1 1/2" FROM VERTICAL MORTAR JOINTS.

NOTE: 9
DO NOT CUT ANY REINFORCING UNLESS IT IS SPECIFICALLY INDICATED IN THE DRAWINGS OR IS APPROVED BY COLUMBIA ENGINEERING INC.

NOTE: 10
POST INSTALLED ANCHORS AND REINFORCING SHALL ONLY BE USED WHERE SPECIFIED IN THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM COLUMBIA ENGINEERING INC. PRIOR TO INSTALLING POST INSTALLED ANCHORS WHERE CAST IN PLACE ANCHORS ARE MISSING, MISPLACED OR DAMAGED.

NOTE: 11
POST INSTALLED ANCHORS AND REINFORCING SHALL BE PERIODICALLY INSPECTED PER IBC 2021 SECTION 1705 EXCEPT ADHESIVE ANCHORS AND REINFORCING INSTALLED IN A VERTICAL OR OVERHEAD SURFACE SHALL BE CONTINUOUSLY INSPECTED.

SUBMITTALS:

NOTE: 1
THIRTY (30) DAYS PRIOR TO SUBMITTING SHOP DRAWINGS, THE GENERAL CONTRACTOR [CONSTRUCTION MANAGER] SHALL SUBMIT A SCHEDULE TO THE DESIGN TEAM THAT DETAILS THE ESTIMATED QUANTITY OF SUBMITTALS AND THE ANTICIPATED SUBMISSION DATES. THE STRUCTURAL ENGINEER SHALL HAVE THE OPPORTUNITY TO REVIEW THE PROPOSED SCHEDULE AND REQUEST ADJUSTMENTS IF DEEMED NECESSARY. THE GENERAL CONTRACTOR [CONSTRUCTION MANAGER] SHALL INCORPORATE THE DESIGN TEAM COMMENTS AND SUBMIT A FINAL SUBMITTAL SCHEDULE TO THE DESIGN TEAM FOR APPROVAL. NO MODIFICATIONS OR ADDITIONS TO THE APPROVED SCHEDULE ARE PERMITTED WITHOUT AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND ARCHITECT AT LEAST ONE MONTH IN ADVANCE OF THE PROPOSED DEVIATION.

NOTE: 2
SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED FOR REVIEW BY THE CONTRACTOR. IF THE CONTRACTOR FAILS TO SUBMIT THE SHOP DRAWINGS, COLUMBIA ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND/OR THE DESIGN OF THE PROJECT. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL STATE IN WRITING ANY DEVIATIONS OR OMISSIONS FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS BEFORE SUBMISSION, MAKE NECESSARY CORRECTIONS, AND CERTIFY EACH SUBMITTAL AS FOLLOWS:

"I CERTIFY THAT THE CONTRACT DOCUMENT REQUIREMENTS HAVE BEEN MET, THE SHOP DRAWINGS ARE BASED ON THE LATEST SET OF CONSTRUCTION DOCUMENTS, THE ARCHITECT'S AND STRUCTURAL ENGINEER'S COMMENTS FROM PREVIOUS SUBMITTALS HAVE BEEN ADDRESSED, REVISIONS FROM PREVIOUS SUBMITTALS HAVE BEEN CLEARLY MARKED BY CLOUDS, AND ALL DIMENSIONS, CONDITIONS, AND QUANTITIES ARE VERIFIED AS SHOWN AND/OR AS CORRECTED ON THIS SUBMITTAL."

SIGNED:_____
(FOR CONTRACTOR)

SUBMITTALS THAT ARE NOT STAMPED BY THE CONTRACTOR OR THAT DO NOT MEET THE ABOVE REQUIREMENTS SHALL BE RETURNED BY THE STRUCTURAL ENGINEER WITHOUT REVIEW OR COMMENT.

NOTE: 3
COLUMBIA ENGINEERING'S REVIEW OF SUBMITTALS SHALL BE FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.

NOTE: 4
REPRODUCTION OF THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED AS SHOP DRAWINGS.

NOTE: 5
SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER REVIEW:
a. CONCRETE/GROUT MIX DESIGN.
b. CONCRETE/MASONRY REINFORCING STEEL.
c. CONSTRUCTION/CONTROL JOINT LAYOUT FOR SLABS ON GRADE.
e. CONTROL JOINT LAYOUT FOR MASONRY WALLS.
f. CONSTRUCTION JOINT LAYOUT FOR ELEVATED SLABS.
g. STRUCTURAL STEEL.
h. STEEL JOISTS.
i. METAL DECK.
SEE SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS.

NOTE: 6
THE FOLLOWING ITEMS REQUIRE DELEGATED STRUCTURAL DESIGN BY THE SUPPLIER:
a. CURTAIN WALL SYSTEMS.
b. COLD-FORMED FRAMING.
c. METAL STAIRS.
d. HANDRAILS AND GUARDS.
e. LADDERS.
f. CANOPIES.
g. TEMPORARY SUPPORT OF EXCAVATION
h. SPECIAL STEEL JOISTS
i. PHOTOVOLTAIC ARRAYS AND ASSOCIATED SUPPORTS AND BALLAST.
j. ARCHITECTURAL ORNAMENTATIONS (FLAG POLES, SIGNS, BANNERS, ETC.)
k. MECHANICAL/ELECTRICAL/PLUMBING HANGER CONNECTIONS.
l. LIGHT POLE BASES.
m. SITE RETAINING WALLS.
n. VEHICLE PROTECTION BARRIERS.
SUBMITTALS FOR THE ABOVE ITEMS SHALL BE PREPARED UNDER THE SUPERVISION OF A DELEGATED PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. THE DELEGATED ENGINEER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL APPLICABLE BUILDING CODES AND LOADING CONDITIONS. SHOP DRAWING AND CALCULATIONS SHALL BE SIGNED AND SEALED BY THE CERTIFYING PROFESSIONAL AND SUBMITTED FOR REVIEW. SEE SPECIFICATIONS FOR ADDITIONAL DELEGATED DESIGN SUBMITTALS AND REQUIREMENTS.

NOTE: 7
THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT TYPICAL BEAM CONNECTION DETAILS FOR REVIEW AND APPROVAL A MINIMUM THIRTY (30) DAYS PRIOR TO SUBMITTING THE PRIMARY STRUCTURAL STEEL PACKAGE.

NOTE: 8
ALL SHOP DRAWINGS USED FOR CONSTRUCTION SHALL BEAR THE STAMP OF THE ARCHITECT/ENGINEER AND SHALL BE MARKED "REVIEWED" OR "REVIEWED AS NOTED".

MISCELLANEOUS:

NOTE: 1
ITEMS AND CONDITIONS NOTED OR IDENTIFIED IN SECTIONS AND DETAILS APPLY TO AREAS SIMILAR IN CONDITION TO THOSE DENOTED BY THE SECTION CUT OR DETAIL MARK.

NOTE: 2
THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DOCUMENTS AND ANY OTHER DOCUMENTS OR EXISTING CONDITIONS FOR RESOLUTION PRIOR TO PROCEEDING WITH FABRICATION OR CONSTRUCTION.

NOTE: 3
THE BUILDING FRAME IS NOT SELF-SUPPORTING UNTIL THE ENTIRE STRUCTURAL SYSTEM HAS BEEN INSTALLED. TEMPORARY BRACING MUST BE PROVIDED BY THE CONTRACTOR TO SUPPORT THE FRAME UNTIL THE STRUCTURAL SYSTEM HAS BEEN COMPLETED.

NOTE: 4
LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE.

NOTE: 5
THE CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS. CONTRACTOR SHALL HAVE ALL TEMPORARY FORMWORK, SHEETING, SHORING, UNDERPINNING, ETC., AS PART OF THE CONTRACTOR'S WORK, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

NOTE: 6
ALL WORK SPECIFIED HEREIN SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 (EXCEPTIONS NOTED SHALL NOT BE PERMITTED) AND ALL LOCAL ORDINANCES. REQUIRED INSPECTIONS SHALL COMPLY WITH THE STATEMENT OF SPECIAL INSPECTIONS NOTED ON SHEETS S-003 & S-004. TESTING AND INSPECTION SERVICES SHALL BE PERFORMED BY AN INDEPENDENT, EXPERIENCED, QUALIFIED AGENCY. THE ENGINEER WILL NOT PERFORM THE REQUIRED INSPECTION AS A PART OF HIS DESIGN SERVICE. THE ENGINEER MAY VISIT THE SITE TO ASCERTAIN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS, AND SUCH VISITS ARE NOT TO BE CONSTRUED AS MEETING INSPECTION REQUIREMENTS.

NOTE: 7
THE GENERAL CONTRACTOR AND ITS SUBCONTRACTORS SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE IN THE CONSTRUCTION OF WORK SIMILAR IN NATURE TO THIS PROJECT.

NOTE: 8
LEGAL USE OF DOCUMENTS
THE PLANS, SPECIFICATIONS AND OTHER INFORMATION CONTAINED IN THESE DRAWINGS (COLLECTIVELY THE "DRAWINGS") WERE PREPARED BY COLUMBIA ENGINEERING, INC. AND ARE INSTRUMENTS OF PROFESSIONAL SERVICES RENDERED AND DELIVERED PURSUANT TO THE TERMS AND CONDITIONS OF A WRITTEN AGREEMENT (THE "AGREEMENT") ONLY TO THE RECIPIENT NAMED THEREIN. ANY USE OF THE DRAWINGS BY ANY PARTY WHICH IS INCONSISTENT WITH THE TERMS AND CONDITIONS OF THE AGREEMENT IS EXPRESSLY PROHIBITED. COLUMBIA ENGINEERING, INC. EXPRESSLY RESERVES ITS COPYRIGHT AND ALL INTELLECTUAL PROPERTY AND OTHER RIGHTS IN THE DRAWINGS. NO PORTION OF THE DRAWINGS ARE TO BE REPRODUCED, CHANGED OR OTHERWISE USED IN ANY FORM OR MANNER WHATSOEVER WHICH IS INCONSISTENT WITH EITHER THE AGREEMENT OR THE PURPOSES FOR WHICH THEY WERE ORIGINALLY PREPARED, NOR ARE THEY TO BE DEEMED ASSIGNED TO ANY PERSON OR ENTITY WITHOUT OBTAINING THE EXPRESS PRIOR WRITTEN PERMISSION AND CONSENT OF COLUMBIA ENGINEERING, INC. THE RECIPIENT OF THE DRAWINGS AGREES TO INDEMNIFY AND HOLD HARMLESS COLUMBIA ENGINEERING, INC., ITS EMPLOYEES, OFFICERS, DIRECTORS AND AGENTS, FROM AND AGAINST ANY AND ALL DAMAGES WHICH ARISE OUT OF OR IN CONNECTION WITH ANY VIOLATION OF THE FOREGOING.

DESIGN CODES:

INTERNATIONAL BUILDING CODE:
IBC 2021

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE:
ACI 318-19

BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES:
TMS 402/602-16

SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS:
AISC 15TH EDITION 360-16

DESIGN LOADS:
IBC RISK CATEGORY 4

FLOOR LIVE LOADS:
SLAB ON GRADE ----- 100 PSF

ROOF LOADS:
LIVE LOAD = 30 PSF
GROUND SNOW LOAD, p_g = 30 PSF
FLAT ROOF SNOW LOAD, p_f = 25 PSF
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD IMPORTANCE FACTOR, I_s = 1.2
THERMAL FACTOR, C_t = 1.0

PHOTOVOLTAIC (PV) PANEL ALLOWANCE, LL=20 PSF
PV ALLOWANCE ACTS CONCURRENTLY WITH SNOW LOAD BUT IS NOT APPLIED CONCURRENTLY WITH ROOF LIVE LOAD.

SEISMIC DESIGN DATA:
SOIL SITE CLASS 'C'
SEISMIC DESIGN CATEGORY 'A'
SEISMIC IMPORTANCE FACTOR, I_e = 1.5

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_s = 0.139
S_1 = 0.043

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_{DS} = 0.12
S_{D1} = 0.043

BASIC SEISMIC FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

ANALYSIS PROCEDURE:
ASCE 7-16 SECTION 1.4
GENERAL STRUCTURAL INTEGRITY

WIND LOADS:
DESIGN WIND SPEED:
V_{ult} = 125 MPH (3 SECOND GUST)
V_{asd} = 97 MPH (3 SECOND GUST)

WIND EXPOSURE B
INTERNAL PRESSURE COEFFICIENT, GC_{pi} = +/-0.18

EFFECTIVE WIND AREA	COMPONENTS & CLADDING: ULTIMATE WIND PRESSURE				
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
10 FT²	-44.8 PSF 16 PSF	-59.1 PSF 16 PSF	-59.1 PSF 16 PSF	-27.9 PSF 25.7 PSF	-34.3 PSF 25.7 PSF
50 FT²	-38.0 PSF 16 PSF	-50.4 PSF 16 PSF	-50.4 PSF 16 PSF	-25.3 PSF 23.1 PSF	-29.1 PSF 23.1 PSF
100 FT²	-34.9 PSF 16 PSF	-46.3 PSF 16 PSF	-46.3 PSF 16 PSF	-24.0 PSF 21.9 OSF	-26.6 PSF 21.9 PSF
200 FT²	-32.3 PSF 16 PSF	-43.0 PSF 16 PSF	-43.0 PSF 16 PSF	-22.8 PSF 20.8 PSF	-24.4 PSF 20.8 PSF
500 FT²	-28.1 PSF 16 PSF	-37.6 PSF 16 PSF	-37.6 PSF 16 PSF	-21.4 PSF 19.3 PSF	-21.4 PSF 19.3 PSF

MASONRY PIER SCHEDULE

MARK	WIDTH	VERTICAL REINFORCEMENT	REMARKS
MP16	16"	1-#5	
MP24	24"	2-#5	
MP24A	24"	2-#6	
MP32	32"	3-#5	
MP32A	32"	3-#6	

NOTES:
1. MASONRY PIERS SHALL BE GROUTED SOLID.
2. REINFORCEMENT EXTENDS FULL HEIGHT OF THE PIER.
3. VERTICAL REINFORCEMENT SHALL BE PLACED TO AVOID LINTELS AND BEARING PLATES.
4. NO MASONRY CONTROL JOINTS ARE PERMITTED IN THE MASONRY PIERS.

BEARING PLATE SCHEDULE

MARK	SIZE	REMARKS
BP1	6"x6"x1/2"	
BP2	6"x8"x5/8"	

NOTES:
1. REFER TO SHEET S-303 FOR BEAM BEARING DETAILS.
2. FIRST DIMENSION SHALL BE ORIENTED PARALLEL TO BEAM OR JOIST SPAN UNLESS NOTED OTHERWISE.

LINTEL SCHEDULE

MARK	SIZE	BEARING PLATE	REMARKS
L1	W8x21 WITH BOTTOM PLATE	6"x6"x1/2"	
L1A	W8x21 WITH HUNG PLATE	6"x6"x1/2"	
L2	W8x28 WITH BOTTOM PLATE	7"x7"x5/8"	
L2A	W8x28 WITH HUNG PLATE	7"x7"x5/8"	

NOTES:
1. REFER TO MASONRY NOTES ON SHEET S-001 FOR LINTELS NOT REFERENCED ON PLANS.
2. INSTALL LOOSE ANGLE LINTELS OVER ALL MECHANICAL DUCT OPENINGS THROUGH MASONRY WALLS. REFER TO MASONRY NOTES ON SHEET S-001 FOR SIZE.
3. BEARING PLATE SIZE APPLIES TO EACH END UNLESS NOTED OTHERWISE.
4. REFER TO SHEET S-303 FOR LINTEL CONFIGURATIONS AND BEAM BEARING DETAILS.
5. FIRST COURSE OF CMU ABOVE STEEL BEAM SHALL BE GROUTED SOLID.
6. LINTELS WITH HUNG PLATE SHALL HAVE BOTTOM OF BEAM LOCATED 8" ABOVE OPENING UNLESS NOTED OTHERWISE.
7. LINTELS WITH CLEAR SPANS GREATER THAN 6'-4" SHALL HAVE 1/2" DIAMETER x 4" LONG HEADED STUDS WELDED TO THE TOP FLANGE AT 24"o.c.
8. LINTELS SHALL BE POSITIONED AT THE CENTERLINE OF THE CMU WALL UNLESS NOTED OTHERWISE.

Columbia Engineering Inc.
Structural Engineers
6310 Old Dobbin Lane Tel 410.992.9970
Suite 150 Fax 410.992.0627
Columbia, MD 21045

CEIN: 23-067-19w21
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SEAL
STATE OF MARYLAND · KEVIN G. McGRATH · No. 36746 · PROFESSIONAL ENGINEER
DATE: 06/19/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027
ENGINEER: Kevin McGrath, P.E.
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY:	KNG / KGM
DRN BY:	RT / KGM
CHKD BY:	KGM

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 3/4" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
GENERAL NOTES AND SCHEDULES
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
S-002	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 165 OF 302	
DRAWING NUMBER	2024 - 1478
FILE NO.: 8	

CEI# 23-067

INSPECTION TABLES

STATEMENT OF SPECIAL INSPECTIONS:

NOTE 1:
INSPECTION OR TESTING SHALL BE PROVIDED FOR ALL MATERIAL, COMPONENTS AND WORK LISTED IN THE TABLES BELOW. THESE ARE MINIMUM REQUIREMENTS. INSPECTION AND TESTING TASKS MUST ALSO SATISFY ALL STANDARDS ESTABLISHED IN THE FOLLOWING APPLICABLE CODES AND ALL LOCAL ORDINANCES.

INTERNATIONAL BUILDING CODE (IBC):
IBC CHAPTER 17

AMERICAN INSTITUTE OF STEEL CONTRUCTION (AISC):
SPECIFICATION FOR STEEL BUILDINGS (AISC 360), CHAPTER N
SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 341), CHAPTER J

STEEL DECK INSTITUTE (SDI):
MANUAL OF CONSTRUCTION WITH STEEL DECK (MOC), CHAPTER X

THE MASONRY SOCIETY (TMS):
SPECIFICATION FOR MASONRY STRUCTURES (TMS 602), SECTION 1.6

AMERICAN IRON AND STEEL INSTITUTE (AISI):
NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING (AISI S240), CHAPTER D

NOTE 2:
DEFINITIONS:

CONTINUOUS INSPECTION:
INDICATES SPECIAL INSPECTOR SHALL BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK.

PERIODIC INSPECTION:
INDICATES SPECIAL INSPECTOR SHALL PROVIDE INSPECTION OR TESTING OF ALL WORK INDICATED, BUT THAT SPECIAL INSPECTOR IS NOT REQUIRED TO BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK. PERIODIC INSPECTION DOES NOT MEAN RANDOM INSPECTION IS ALLOWED.

OBSERVE:
INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

PERFORM:
INSPECTOR SHALL PERFORM THESE TASKS FOR EACH JOINT, MEMBER, OR ELEMENT.

QC:
QUALITY CONTROL INSPECTION TASK TO BE COMPLETED BY FABRICATOR OR ERECTOR PERSONNEL.

QA:
QUALITY ASSURANCE INSPECTION TASK TO BE COMPLETED BY THIRD-PARTY INSPECTION AGENCY / SPECIAL INSPECTOR.

SOILS

INSPECTION TASK	TYPE OF QA INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC
6. INSTALLATION OF RAMMED AGGREGATE PIERS OR OTHER SPECIALTY GROUND IMPROVEMENT TECHNIQUES.	PER REQUIREMENTS OF THE DELEGATED DESIGN PROFESSIONAL

FOUNDATION

CAST-IN-PLACE FOUNDATION ELEMENTS	
INSPECTION TASK	**TYPE OF QA INSPECTION**
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	CONTINUOUS
2. VERIFY ITEMS REQUIRED BY PROJECT SPECIFICATIONS. AT A MINIMUM, VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	CONTINUOUS
3. PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH CONCRETE REQUIREMENTS.	IN ACCORDANCE WITH IBC SECTIONS 1705.3 AND APPLICABLE CONCRETE TABLES ON THIS SHEET.

CONCRETE

INSPECTION TASK	TYPE OF QA INSPECTION
1. INSPECT OF REINFORCING STEEL FOR SIZE, QUANTITY AND PLACEMENT.	PERIODIC
2. INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (FOLLOW MANUFACTURER'S WRITTEN INSTALLATION REQUIREMENTS). a. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS b. ALL OTHER CONDITIONS	 a. CONTINUOUS b. PERIODIC
4. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. PERFORM UNIT WEIGHT TEST FOR LIGHTWEIGHT CONCRETE.	CONTINUOUS
6. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC
8. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED AND FOR CONFORMANCE WITH FORMWORK DESIGN.	PERIODIC
10. MEASURE F (F) AND F (L) TOLERANCE FOR FLOORS.	PERIODIC

MASONRY

INSPECTION TASK	TYPE OF QA INSPECTION BY QUALITY ASSURANCE LEVEL	
	LEVEL 2	LEVEL 3
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	PERIODIC
2. VERIFICATION OF f'_m a. PRIOR TO CONSTRUCTION b. DURING CONSTRUCTION EVERY 5,000 SQUARE FEET	 a. PERIODIC b. N/A	 a. PERIODIC b. PERIODIC
3. AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE: a. PROPORTIONS OF SITE-PREPARED MORTAR b. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS c. SAMPLE PANEL CONSTRUCTION	 a. PERIODIC b. PERIODIC c. PERIODIC	 a. PERIODIC b. PERIODIC c. CONTINUOUS
4. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: a. GROUT SPACE b. PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS c. PROPORTIONS OF SITE-PREPARED GROUT	 a. PERIODIC b. PERIODIC c. PERIODIC	 a. CONTINUOUS b. CONTINUOUS c. PERIODIC
5. VERIFY COMPLIANCE DURING CONSTRUCTION: a. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION b. SIZE AND LOCATION OF STRUCTURAL MEMBERS c. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F) e. PLACEMENT OF GROUT f. SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO PROJECT SITE g. PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	 a. PERIODIC b. PERIODIC c. PERIODIC d. PERIODIC e. CONTINUOUS f. PERIODIC g. N/A	 a. PERIODIC b. PERIODIC c. CONTINUOUS d. PERIODIC e. CONTINUOUS f. PERIODIC g. PERIODIC
6. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	PERIODIC	CONTINUOUS
7. INSTALLATION OF POST INSTALLED ANCHORS.	CONTINUOUS	CONTINUOUS

STEEL

STEEL - PRIOR TO WELDING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS.	PERFORM	OBSERVE
2. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	PERFORM	PERFORM
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM	PERFORM
4. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
5. WELDER IDENTIFICATION SYSTEM	OBSERVE	OBSERVE
6. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE	PERFORM
7. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE	PERFORM
8. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE	OBSERVE
9. FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE	OBSERVE
10. CHECK WELDING EQUIPMENT	OBSERVE	NONE

STEEL - DURING WELDING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
2. CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	OBSERVE	OBSERVE
3. NO WELDING OVER CRACKED TACK WELDS.	OBSERVE	OBSERVE
4. ENVIRONMENTAL CONDITIONS • WIND SPEED WITH LIMITS • PRECIPITATION AND TEMPERATURE	OBSERVE	OBSERVE
5. WPS FOLLOWED FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYP/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MINIMUM/MAXIMUM) • PROPER POSITION (F,V,H, OH)	OBSERVE	PERFORM/ CONTINUOUS
6. WPS FOLLOWED FOR SINGLE - PASS FILLET WELDS • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYP/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MINIMUM/MAXIMUM) • PROPER POSITION (F,V,H, OH)	OBSERVE	OBSERVE
7. WELDING TECHNIQUES FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE	PERFORM/ CONTINUOUS
8. WELDING TECHNIQUES FOR SINGLE-PASS FILLET WELDS • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE	OBSERVE
9. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.	PERFORM	PERFORM

STEEL CONTINUED

STEEL - AFTER WELDING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. WELDS CLEANED	OBSERVE	OBSERVE
2. SIZE, LENGTH AND LOCATION OF WELDS	PERFORM	PERFORM
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD / BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY		
4. ULTRASONICALLY TEST FULL PENETRATION GROOVE WELDS	PERFORM	PERFORM
5. ARC STRIKES	PERFORM	PERFORM
6. K - AREA [a]	PERFORM	PERFORM
7. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [b]	PERFORM	PERFORM
8. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM	PERFORM
9. REPAIR ACTIVITIES	PERFORM	PERFORM
10. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM	PERFORM
11. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	OBSERVE	OBSERVE

NOTES:

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN THREE INCHES OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STEEL - PRIOR TO BOLTING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	OBSERVE	PERFORM
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	OBSERVE
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE	OBSERVE
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	OBSERVE
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	OBSERVE
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	PERFORM/ CONTINUOUS	OBSERVE
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	OBSERVE	OBSERVE

STEEL - DURING BOLTING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED.	OBSERVE	OBSERVE
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE	OBSERVE
3. PRETENSIONED AND SLIP-CRITICAL JOINTS INSTALLED USING ONE OF THE FOLLOWING METHODS: • DIRECT-TENSION-INDICATOR WASHER METHOD • TWIST-OFF TYPE TENSION CONTROL BOLT METHOD	PERFORM	PERFORM
4. FASTENERS COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	OBSERVE
5. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE	OBSERVE

STEEL - AFTER BOLTING		
INSPECTION TASK	**TYPE OF INSPECTION**	
	QC	**QA**
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	PERFORM

INSPECTION TABLES CONTINUED ON S-004

SEAL

STATE OF MARYLAND · KEVIN G. McGRATH · NO. 36746 · PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: KNG / KGM
DRN BY: RT / KGM
CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19, 14SW20, 15SW19, 15SW20 | PLAN SCALE: 1" = 1'-0" | PROFILE SCALE:

APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
INSPECTION TABLES
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane Suite 150 Columbia, MD 21045
Tel 410.992.9970 Fax 410.992.0627

CEI file: 23-067 - Rev.01
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SHEET DESIGNATION	CONTRACT NUMBER
S-003	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 166 OF 302
	DRAWING NUMBER
	2024 - 1479
	FILE NO.: 8

CEI# 23-067

INSPECTION TABLES CONTINUED

STEEL CONTINUED

STEEL - OTHER

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF THE FABRICATED STEEL WITH THE SHOP DRAWINGS	PERFORM	NONE
2. SETTING OF ANCHOR BOLTS, BEARING PLATES AND EMBEDDED ITEMS PRIOR TO PLACEMENT OF CONCRETE. AT A MINIMUM, CONFIRM DIAMETER, GRADE, TYPE, LENGTH, AND DEPTH OF EMBEDMENT.	OBSERVE	PERFORM
3. STRUCTURAL MEMBERS FOR PLUMBNESS, ELEVATION AND ALIGNMENT	OBSERVE	PERFORM
4. VERIFY COMPLIANCE OF THE ERECTED STEEL FRAME WITH ERECTION DRAWINGS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	PERFORM	NONE
5. VERIFY COMPLIANCE OF THE FABRICATED AND ERECTED STEEL FRAME WITH CONTRACT DOCUMENTS FOR ITEMS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND CONNECTION DETAILS	NONE	PERFORM

STEEL - JOIST

INSPECTION TASK	TYPE OF QA INSPECTION
1. SETTING OF BEARING PLATES	PERIODIC
2. ALIGNMENT OF JOISTS	PERIODIC
3. INSTALLATION OF BRIDGING	PERIODIC
4. SIZE, LENGTH AND LOCATION OF WELDS	PERIODIC
5. ULTRASONICALLY TEST FULL PENETRATION WELDS	PERIODIC
6. HIGH-STRENGTH BOLTS INSTALLED	PERIODIC
7. INSPECT END CONNECTIONS (WELDED OR BOLTED)	PERIODIC

STEEL - COLD-FORMED

INSPECTION TASK	TYPE OF INSPECTION
1. VERIFY SIZE AND GAGE OF FRAMING.	PERIODIC
2. VERIFY PLUMBNESS, ALIGNMENT AND PROPER BEARING OF ELEMENTS	PERIODIC
3. VERIFY COLD-FORMED FRAMING IS PROPERLY FASTENED TOGETHER	PERIODIC
4. VERIFY CONNECTIONS TO STRUCTURAL FRAME	PERIODIC
5. VERIFY TOUCH-UP GALVANIZATION IS APPLIED TO WELDS	PERIODIC

METAL DECK

DECK - PRIOR TO DECK PLACEMENT

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	PERFORM
2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	PERFORM

DECK - AFTER DECK PLACEMENT

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	PERFORM	PERFORM
2. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	N/A	PERFORM
3. VERIFY DECK ALIGNMENT AND SUPPORT	PERFORM	PERFORM
4. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND ACCESSORIES	PERFORM	PERFORM

DECK - PRIOR TO WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	OBSERVE
2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	OBSERVE
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	OBSERVE
4. CHECK WELDING EQUIPMENT	OBSERVE	OBSERVE

DECK - DURING WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. USE OF QUALIFIED WELDERS	OBSERVE	OBSERVE
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	OBSERVE
3. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	OBSERVE
4. WPS FOLLOWED	OBSERVE	OBSERVE

DECK - AFTER WELDING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM	PERFORM
2. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	PERFORM
3. VERIFY REPAIR ACTIVITIES INCLUDING TOUCH-UP GALVANIZATION APPLIED TO WELDS	PERFORM	PERFORM
4. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	PERFORM

DECK - PRIOR TO MECHANICAL FASTENING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHINCAL FASTENERS	OBSERVE	OBSERVE
2. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	OBSERVE
3. PROPER STORAGE FOR MECHANCIAL FASTENERS	OBSERVE	OBSERVE

DECK - DURING MECHANICAL FASTENING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	OBSERVE
2. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	OBSERVE

DECK - AFTER MECHANICAL FASTENING

INSPECTION TASK	TYPE OF INSPECTION	
	QC	QA
1. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT, SIDELAP, AND PERIMETER FASTENERS	PERFORM	PERFORM
2. VERIFY REPAIR ACTIVITIES	PERFORM	PERFORM
3. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	PERFORM

SEAL

STATE OF MARYLAND · KEVIN G. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: KNG / KGM

DWN BY: RT / KGM

CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

PLAN SCALE: 1" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

INSPECTION TABLES

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

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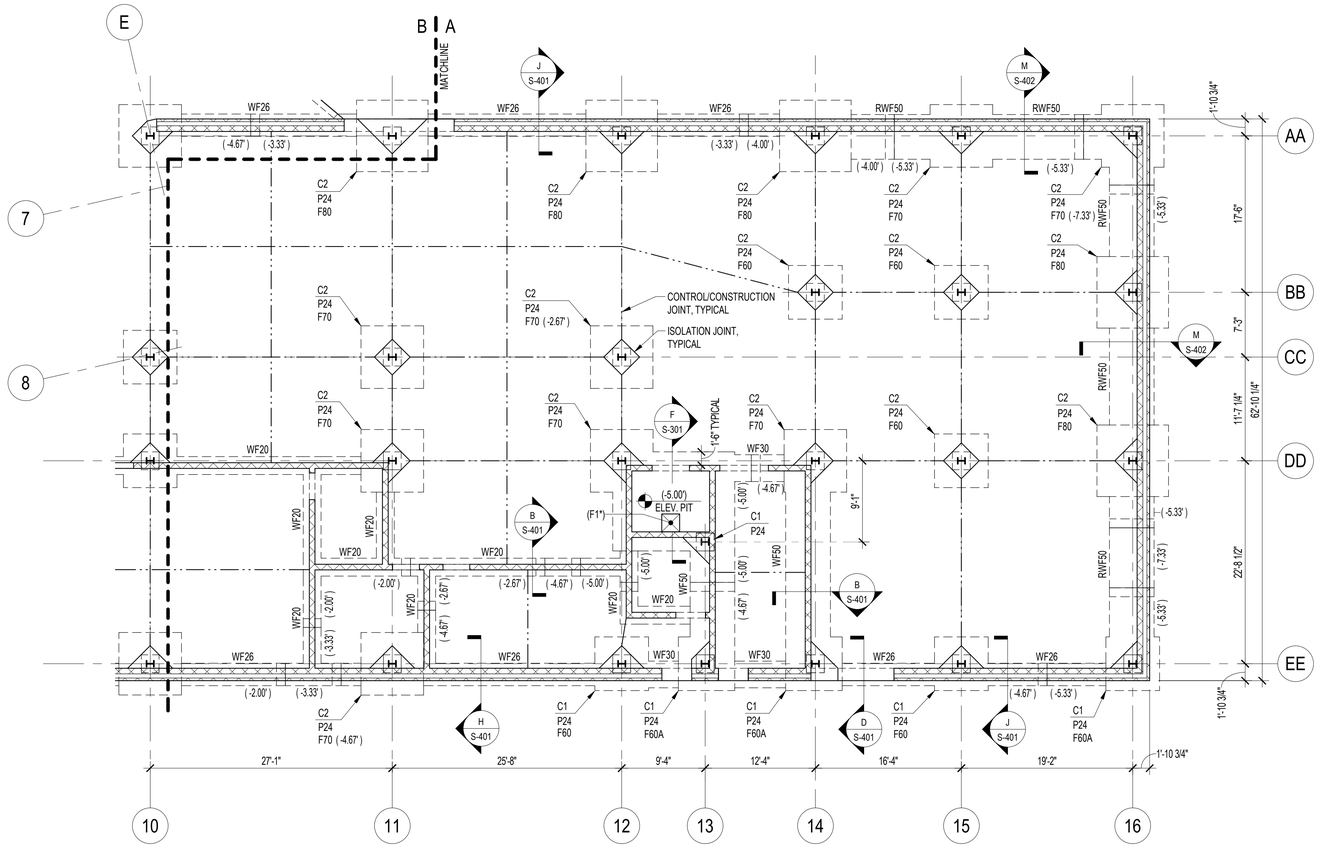
SHEET DESIGNATION	CONTRACT NUMBER
S-004	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 167 OF 302	
DRAWING NUMBER	2024 - 1480
FILE NO.: 8	

CEI# 23-067



FOUNDATION AND SLAB ON GRADE PLAN - WING A

SCALE: 1/8" = 1'-0"

FOUNDATION AND SLAB ON GRADE NOTES:

1. TYPICAL SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. ON 15 MILS VAPOR BARRIER OVER 6" THICK LAYER OF WASHED GRAVEL. SLAB ON GRADE IN MEP ROOM AND IN SALLYPORT (HATCHED REGIONS) SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MILS VAPOER BARRIER OVER 6" THICK LAYER OF WASHED GRAVEL.
2. TOP OF SLAB ELEVATION SHALL BE ELEVATION 280.00' (DATUM 0.00') UNLESS NOTED OTHERWISE. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW DATUM ELEVATION UNLESS NOTHED OTHERWISE ON PLAN THUS: [.....].
3. TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW DATUM ELEVATION UNLESS NOTED OTHERWISE THUS: (....). FOOTING ELEVATIONS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER FOOTINGS AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THRU CONCRETE AND MASONRY WALLS.
4. PROVIDE 1-#4 x 3'-0" LONG AT MID-DEPTH OF SLAB ON GRADE FOR ALL CORNERS OF COLUMN ISOLATION JOINTS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING.
5. PROVIDE THICKENED SLAB (8" THICK x 1'-4" WIDE) REINFORCED WITH 2-#5 UNDER ALL STAIR STRINGERS.
6. STAIR AND ELEVATOR CMU WALLS SHALL BE REINFORCED WITH #5 AT 24"o.c. UNLESS NOTED OTHERWISE.

KEYNOTES:

(F1*) 2'-0"x2'-0" x2'-0" SUMP PIT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS AND ELEVATOR MANUFACTURER.

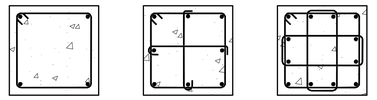
COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS
C1	W10x33	18"x18"x3/4"	(4) 3/4" DIAMETER ASTM F1554
C2	W10x33	18"x18"x1 1/4"	(4) 3/4" DIAMETER ASTM F1554

CONCRETE PIER SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT	REMARKS
P24	24"x24"	8-#6	

TIE PATTERNS:



4 LONGITUDINAL BARS | 8 LONGITUDINAL BARS | 12 LONGITUDINAL BARS

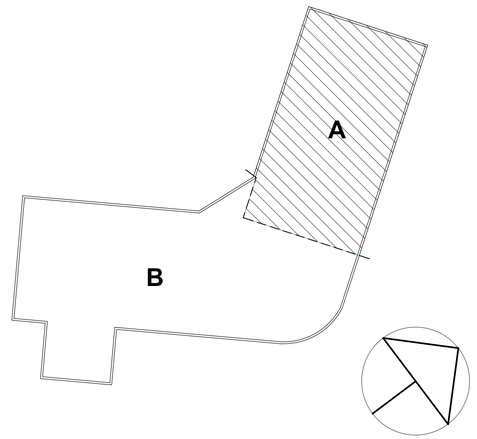
NOTES:
1. ALTERNATE THE 180 DEGREE HOOKED END OF ALL SINGLE-LEG TIES.
2. ALL TIES SHALL BE PLACED WITH 1 1/2" CONCRETE COVER UNLESS NOTED OTHERWISE.

SPREAD FOOTING SCHEDULE

MARK	SIZE	THICKNESS	REINFORCEMENT
F40	4'-0"x4'-0"	1'-0"	5-#4 EACH WAY BOTTOM WITH HOOKED ENDS
F40A	4'-0"x4'-0"	1'-2"	5-#4 EACH WAY BOTTOM WITH HOOKED ENDS
F50	5'-0"x5'-0"	1'-0"	5-#5 EACH WAY BOTTOM WITH HOOKED ENDS
F60	6'-0"x6'-0"	1'-0"	6-#5 EACH WAY BOTTOM
F60A	6'-0"x6'-0"	1'-2"	6-#5 EACH WAY BOTTOM
F70	7'-0"x7'-0"	1'-2"	7-#6 EACH WAY BOTTOM
F80	8'-0"x8'-0"	1'-4"	9-#6 EACH WAY BOTTOM
F90	9'-0"x9'-0"	1'-6"	9-#6 EACH WAY BOTTOM

WALL FOOTING SCHEDULE

MARK	SIZE	THICKNESS	REINFORCEMENT
WF20	2'-0" CONTINUOUS	1'-0"	2-#5 CONTINUOUS BOTTOM
WF26	2'-6" CONTINUOUS	1'-0"	3-#5 CONTINUOUS BOTTOM
WF30	3'-0" CONTINUOUS	1'-0"	3-#5 CONTINUOUS BOTTOM
WF40	4'-0" CONTINUOUS	1'-2"	4-#5 CONTINUOUS TOP AND BOTTOM #4 AT 16"o.c. TRANSVERSE TOP AND BOTTOM
WF50	5'-0" CONTINUOUS	1'-2"	5-#5 CONTINUOUS TOP AND BOTTOM #5 AT 16"o.c. TRANSVERSE TOP AND BOTTOM
RWF50	5'-0" CONTINUOUS	1'-2"	REFER TO M / S-402
RWF90	9'-0" CONTINUOUS	1'-2"	REFER TO L / S-402



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SEAL

STATE OF MARYLAND · KEVIN B. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE : 06/19/2025

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ENGINEER: Kevin McGrath, P.E.

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BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
CONTRACT COMPLETION BOX			R.O.W NO.	GSW	15SW19
					15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FOUNDATION AND SLAB ON GRADE PLAN

NEW WING ASSIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

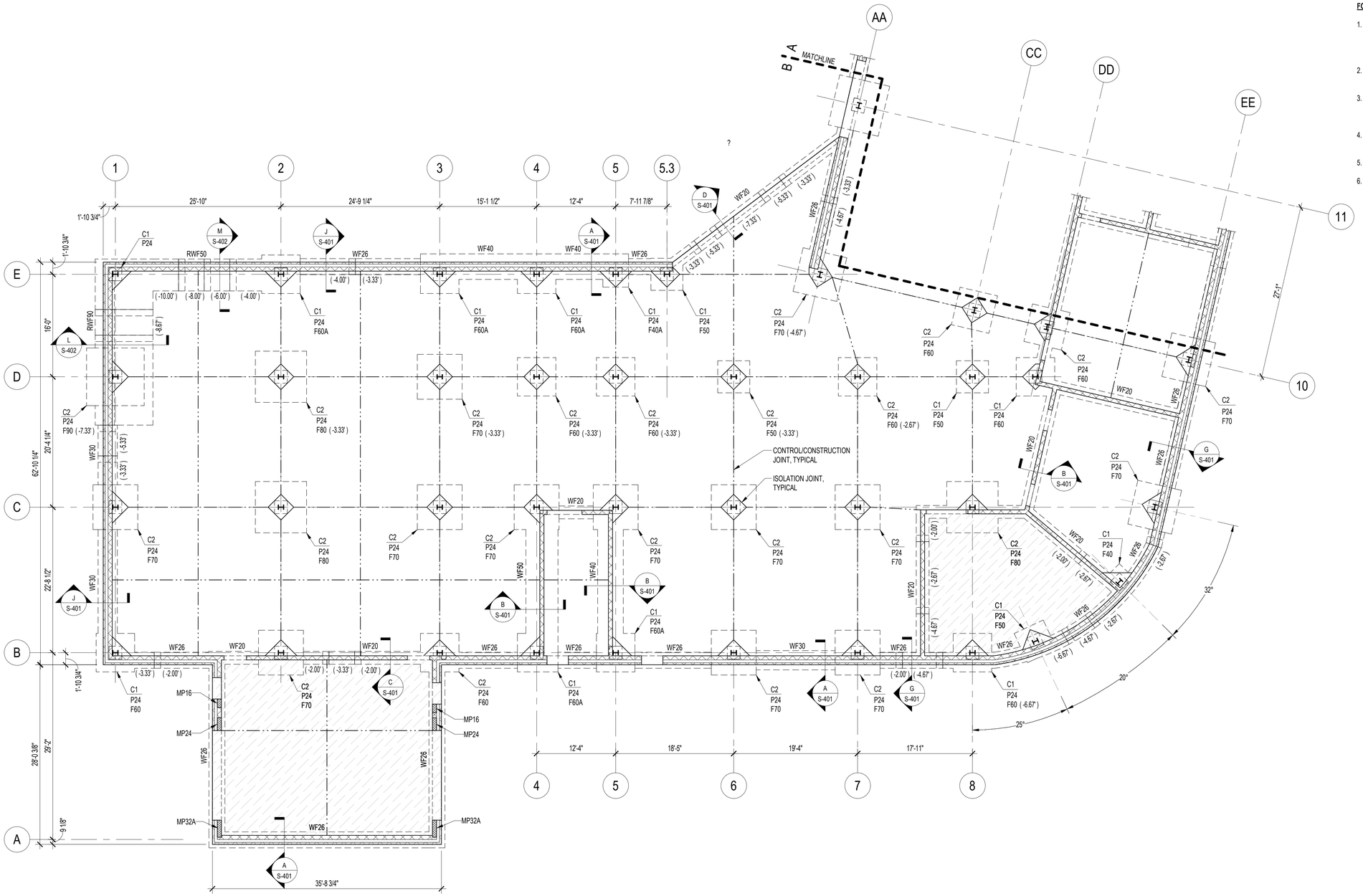
ELECTION DIST. NO.: 01C1

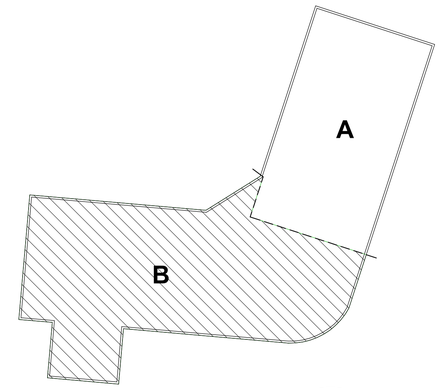
SHEET DESIGNATION	CONTRACT NUMBER
S-101.1	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 168 OF 302	
DRAWING NUMBER	2024 - 1481
FILE NO.: 8	

CEI# 23-067

FOUNDATION AND SLAB ON GRADE NOTES:

1. TYPICAL SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. ON 15 MILS VAPOR BARRIER OVER 6" THICK LAYER OF WASHED GRAVEL. SLAB ON GRADE IN MEP ROOM AND IN SALLYPORT (HATCHED REGIONS) SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MILS VAPOER BARRIER OVER 6" THICK LAYER OF WASHED GRAVEL.
2. TOP OF SLAB ELEVATION SHALL BE ELEVATION 280.00' (DATUM 0.00') UNLESS NOTED OTHERWISE. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW DATUM ELEVATION UNLESS NOTHED OTHERWISE ON PLAN THUS: [.....].
3. TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW DATUM ELEVATION UNLESS NOTED OTHERWISE THUS: (....). FOOTING ELEVATIONS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER FOOTINGS AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THRU CONCRETE AND MASONRY WALLS.
4. PROVIDE 1-#4 x 3'-0" LONG AT MID-DEPTH OF SLAB ON GRADE FOR ALL CORNERS OF COLUMN ISOLATION JOINTS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING.
5. PROVIDE THICKENED SLAB (8" THICK x 1'-4" WIDE) REINFORCED WITH 2-#5 UNDER ALL STAIR STRINGERS.
6. STAIR AND ELEVATOR CMU WALLS SHALL BE REINFORCED WITH #5 AT 24"o.c. UNLESS NOTED OTHERWISE.





FOUNDATION AND SLAB ON GRADE PLAN - WING B

SCALE: 1/8" = 1'-0"

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SHEET DESIGNATION	CONTRACT NUMBER
S-101.2	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 169 OF 302
	DRAWING NUMBER
	2024 - 1482
	FILE NO.: 8

SEAL

STATE OF MARYLAND · KEVIN G. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

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ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE

PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FOUNDATION AND SLAB ON GRADE PLAN

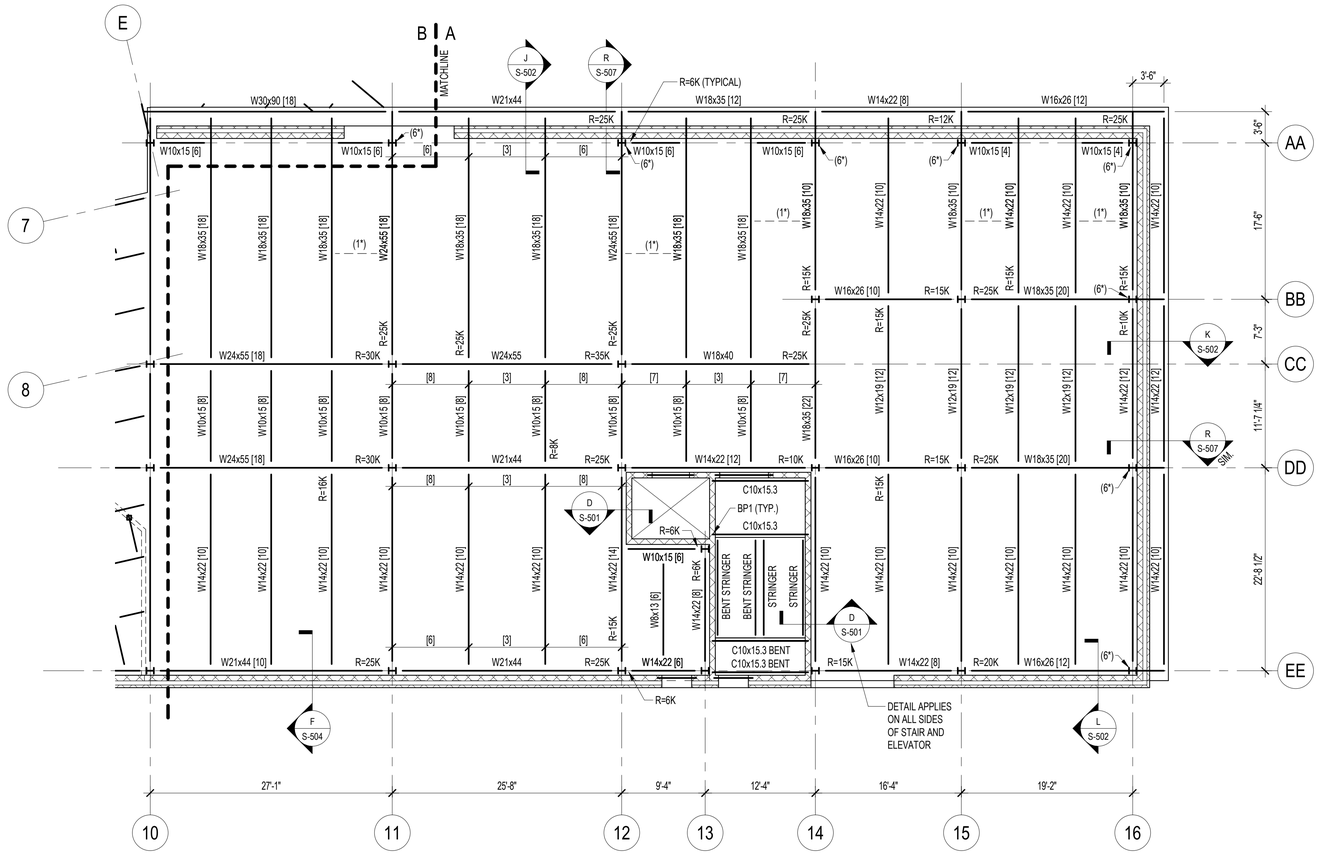
NEW WING B

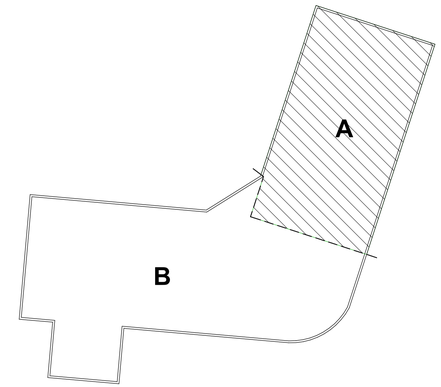
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

CEI# 23-067





SECOND FLOOR FRAMING PLAN - WING A

SCALE: 1/8" = 1'-0"

ELEVATED FLOOR FRAMING NOTES:

1. ELEVATED SLAB SHALL BE 3" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. OVER 2" DEEP, 20 GAGE GALVANIZED COMPOSITE METAL DECK (5" TOTAL) UNLESS NOTED OTHERWISE.
2. TOP OF ELEVATED FLOOR SLAB SHALL BE 14.00' ABOVE DATUM ELEVATION. TOP OF STEEL SHALL BE 5" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE THUS: (.....).
3. PROVIDE 2-#5 BARS AT MID-DEPTH OF SLAB AROUND OPENINGS 1'-0"x1'-0" OR SMALLER. EXTEND BARS MINIMUM 2'-0" BEYOND EDGE OF OPENING. INSTALL CHANNEL FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO TYPICAL DETAIL D/S304.
4. STAIR LANDINGS SHALL MATCH THE TYPICAL 5" THICK ELEVATED SLAB CONSTRUCTION (SEE NOTE 1). THE MEMBER SIZES SHOWN ARE A MINIMUM REQUIREMENT. THE STAIR CONTRACTOR SHALL INCREASE SIZES AS NEEDED TO SATISFY THE DESIGN CRITERIA. METAL STAIRS REQUIRE DELEGATED DESIGN. THE STAIR SUBMITTAL SHALL INCLUDE SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN.
5. ——◀ DENOTES MOMENT CONNECTION.

KEYNOTES:

(1*) 3"x3"x5/16" ANGLE BRACE.

(2*) W8x21 HOIST BEAM. COORDINATE TOP OF STEEL ELEVATION WITH ELEVATOR MANUFACTURER.

(3*) TOP OF STEEL ELEVATION FOR ALL CANOPY FRAMING SHALL BE (12.08') UNLESS NOTED OTHERWISE.

(4*) FRAMING FOR MEP DUCT SUPPORT. REFER TO P / S-506 . COORDINATE GEOMETRY AND PLACEMENT WITH MEP DRAWINGS AND MEP CONTRACTOR.

(5*) HSS 5 1/2"x5 1/2"x3/8" POST FOR SUPPORT OF EXTERIOR STAIRS.

(6*) BEAM INTERRUPTS COLUMN. REFER TO R / S-507.

CANOPY AND LOW ROOF (SALLY PORT) FRAMING NOTES:

1. REFER TO ROOF FRAMING NOTES ON SHEET S103.1.

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PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

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DWN BY: RT / KGM	REVIEWED BY:							
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR FRAMING PLAN - WING A

NEW BUILDING DESIGN

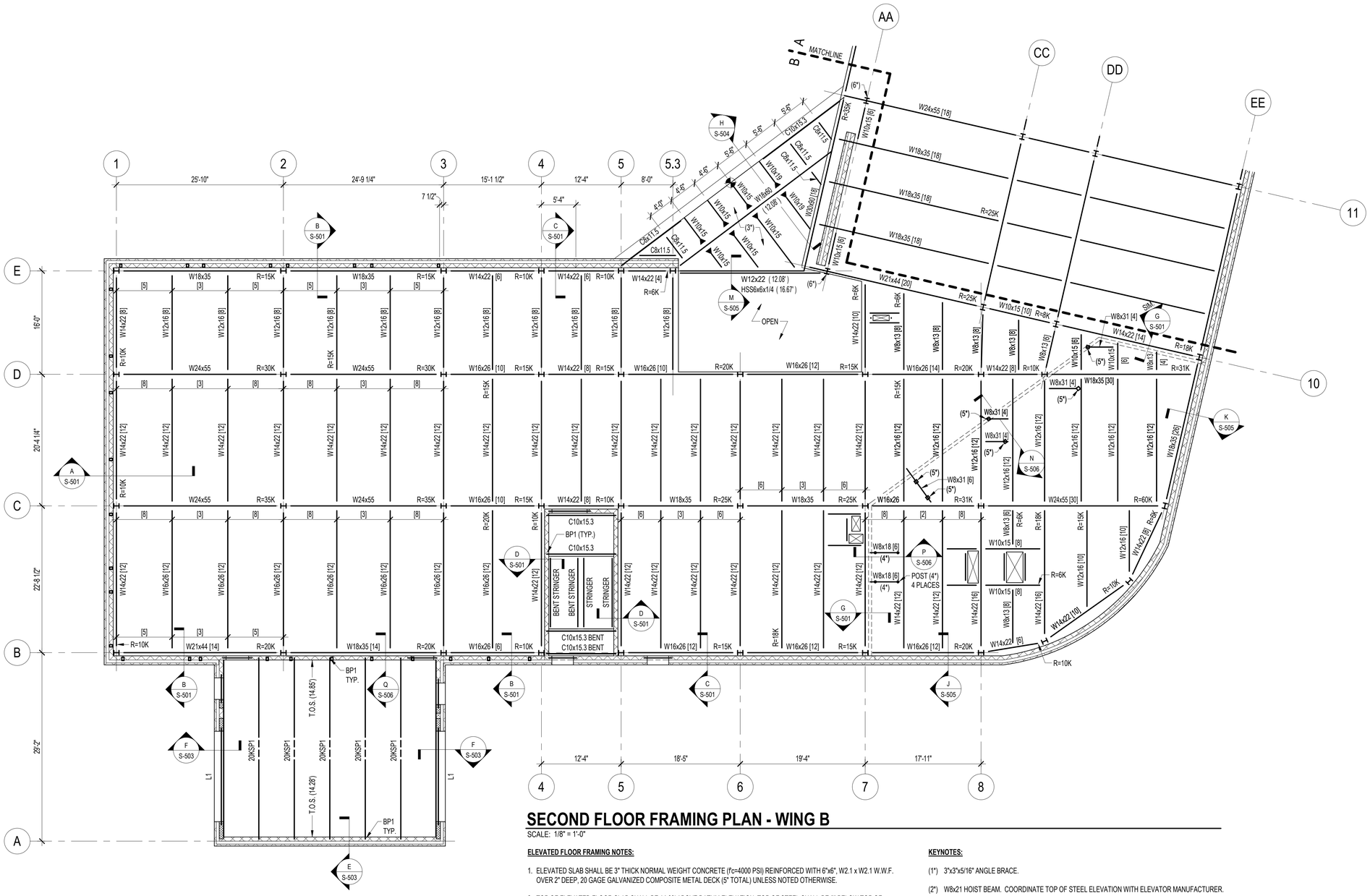
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-102.1	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 170 OF 302	
DRAWING NUMBER	2024 - 1483
FILE NO.: 8	

CEI# 23-067



SECOND FLOOR FRAMING PLAN - WING B

SCALE: 1/8" = 1'-0"

ELEVATED FLOOR FRAMING NOTES:

1. ELEVATED SLAB SHALL BE 3" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. OVER 2" DEEP, 20 GAGE GALVANIZED COMPOSITE METAL DECK (5" TOTAL) UNLESS NOTED OTHERWISE.
2. TOP OF ELEVATED FLOOR SLAB SHALL BE 14.00' ABOVE DATUM ELEVATION. TOP OF STEEL SHALL BE 5" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE THUS: (.....).
3. PROVIDE 2-#5 BARS AT MID-DEPTH OF SLAB AROUND OPENINGS 1'-0"x1'-0" OR SMALLER. EXTEND BARS MINIMUM 2'-0" BEYOND EDGE OF OPENING. INSTALL CHANNEL FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO TYPICAL DETAIL D/S304.
4. STAIR LANDINGS SHALL MATCH THE TYPICAL 5" THICK ELEVATED SLAB CONSTRUCTION (SEE NOTE 1). THE MEMBER SIZES SHOWN ARE A MINIMUM REQUIREMENT. THE STAIR CONTRACTOR SHALL INCREASE SIZES AS NEEDED TO SATISFY THE DESIGN CRITERIA. METAL STAIRS REQUIRE DELEGATED DESIGN. THE STAIR SUBMITTAL SHALL INCLUDE SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN.
5. ——◀ DENOTES MOMENT CONNECTION.

KEYNOTES:

(1*) 3"x3"x5/16" ANGLE BRACE.

(2*) W8x21 HOIST BEAM. COORDINATE TOP OF STEEL ELEVATION WITH ELEVATOR MANUFACTURER.

(3*) TOP OF STEEL ELEVATION FOR ALL CANOPY FRAMING SHALL BE (12.08') UNLESS NOTED OTHERWISE.

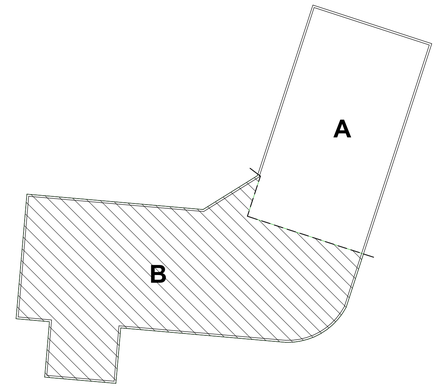
(4*) FRAMING FOR MEP DUCT SUPPORT. REFER TO P / S-506 . COORDINATE GEOMETRY AND PLACEMENT WITH MEP DRAWINGS AND MEP CONTRACTOR.

(5*) HSS 5 1/2"x5 1/2"x3/8" POST FOR SUPPORT OF EXTERIOR STAIRS.

(6*) BEAM INTERRUPTS COLUMN. REFER TO R / S-507.

CANOPY AND LOW ROOF (SALLY PORT) FRAMING NOTES:

1. REFER TO ROOF FRAMING NOTES ON SHEET S103.1.



Columbia Engineering Inc.
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CEI No. 23-067 - Rev#21
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SEAL

STATE OF MARYLAND — KEVIN B. McGRATH — NO. 36746 — PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
CONTRACT COMPLETION BOX			R.O.W. NO.

KEY SHEET	POSITION SHT
GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

	DGN BY:	DRN BY:	CHKD BY:
	KNG / KGM	RT / KGM	KGM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR FRAMING PLAN - WING B

NEW BUILDING DESIGN

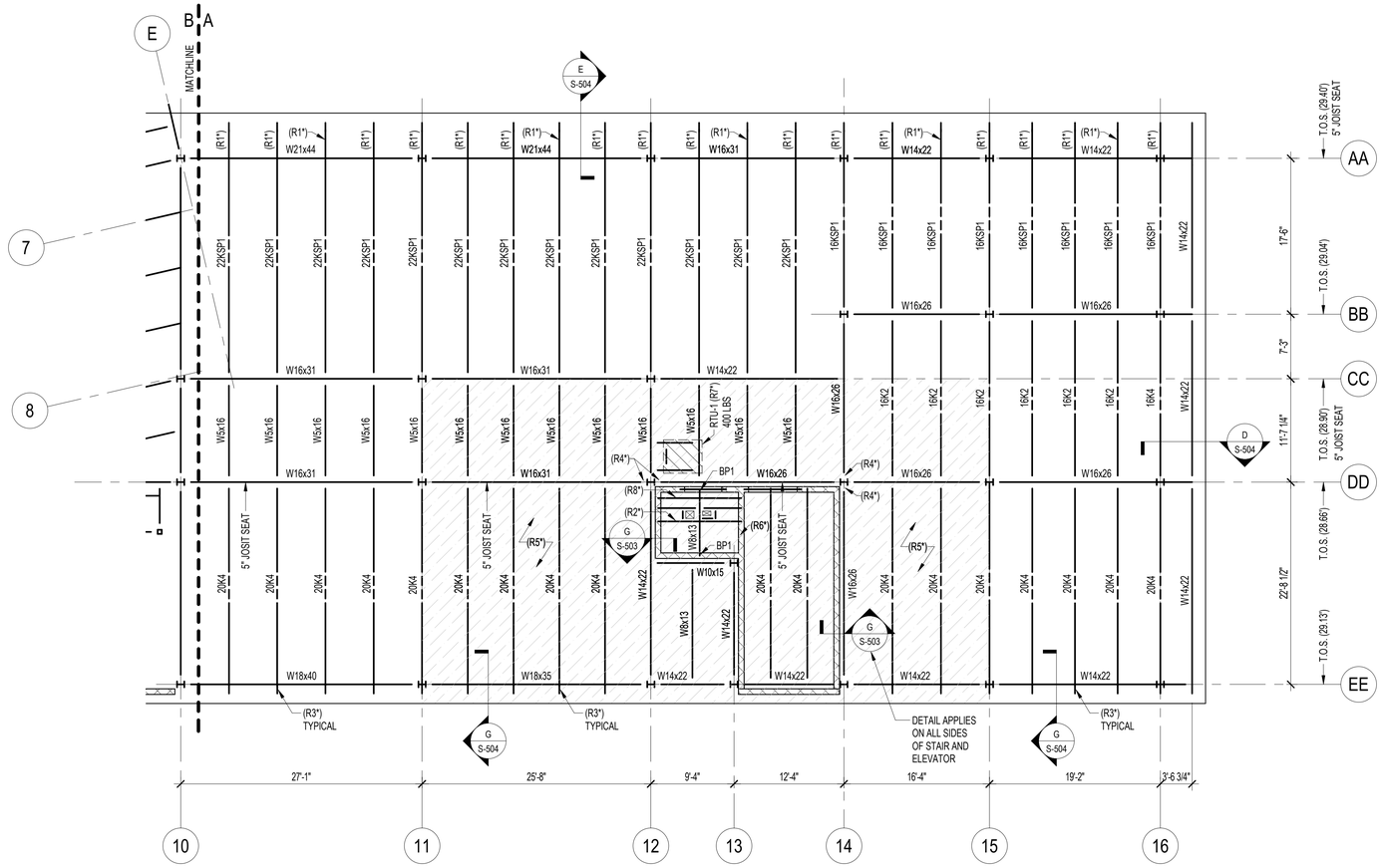
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-102.2	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 171 OF 302	
DRAWING NUMBER	
2024 - 1484	
FILE NO.: 8	REV. NO.

CEI# 23-067



ROOF FRAMING PLAN - WING A

SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES:

1. TYPICAL ROOF DECK SHALL BE 1 1/2" DEEP, 18 GAGE TYPE 'B' WIDE RIBBED GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON A 36/4 PATTERN AND No.10 SIDE LAP SCREWS AT 24"o.c.
2. TOP OF STEEL ELEVATION (BOTTOM OF DECK) NOTED ON PLAN THUS: (....) IS MEASURED FROM DATUM ELEVATION (0.00'). SEAT DEPTH FOR K-SERIES JOISTS SHALL BE 3 1/2" UNLESS NOTED OTHERWISE ON PLAN. BEAMS AND COLUMNS SUPPORTING JOISTS SHALL BE LOWERED TO THE BOTTOM OF THE JOIST SEAT UNLESS NOTED OTHERWISE (TOP OF BEAM = TOP OF STEEL - SEAT DEPTH).
3. INSTALL ANGLE FRAME AROUND ALL ROOF OPENINGS WITH ONE SIDE LARGER THAN 1'-0". REFER TO TYPICAL DETAIL J/S303.
4. ALL JOISTS SHALL BE DESIGNED TO SUPPORT A NET UPLIFT (0.6DL - 0.6WL) = -15 PSF.

KEYNOTES:

(R1*) TYPE 'R9' TOP CHORD EXTENSION WITH MINIMUM DEPTH OF 3 1/2".

(R2*) W8x18 HOIST BEAM WITH BP1 EACH END. COORDINATE TOP OF STEEL ELEVATION WITH ELEVATOR MANUFACTURER.

(R3*) TYPE 'S2' TOP CHORD EXTENSION. TYPICAL ALONG GRID LINE 'EE'.

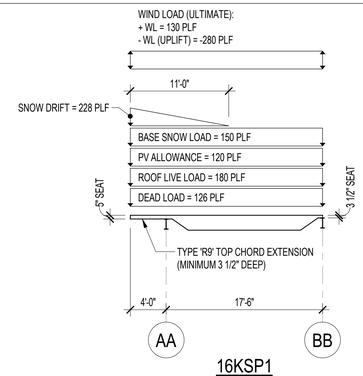
(R4*) COLLECTOR CONNECTION SHALL BE FULL-DEPTH AND SHALL USE A325-SC BOLTS. CONNECTION SHALL BE DESIGNED TO ACCOMMODATE A PASS-THRU AXIAL WIND LOAD, WL= 21.0 KIPS.

(R5*) INCREASE DECK FASTENING METHOD IN HATCHED AREA BOUNDED BY GRID LINES 11-15-CC-EE. USE 3/4" DIAMETER PUDDLE WELDS ON A 36/7 PATTERN AND NO.10 SIDELAP SCREWS AT 12"o.c.

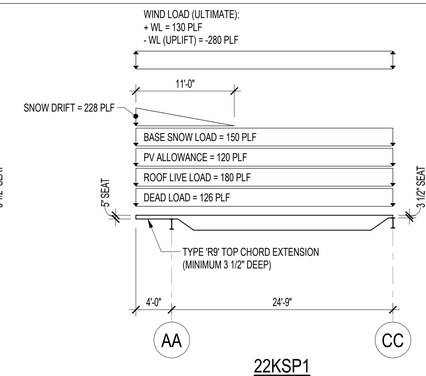
(R6*) 6"x1/2" CONTINUOUS EMBED PLATE IN TOP OF WALL. REFER TO H / S-503 .

(R7*) SUPPORT RTU WITH 4"x3"x5/16" ANGLE FRAME (LLV). SUPPORT AT BEAM WITH 6"x4"x1/2"x6" LONG ANGLE SEAT. SUPPORT AT CMU WITH BP1. CONTRACTOR SHALL COORDINATE DIMENSIONS OF SUPPORT FRAME WITH SELECTED MECHANICAL EQUIPMENT.

(R8*) HSS 6"x4"x3/8" (LSV) ELEVATOR SAFETY BEAM WITH BP1 EACH END. COORDINATE LOCATION AND TOP OF STEEL ELEVATION WITH ELEVATOR MANUFACTURER.



16KSP1



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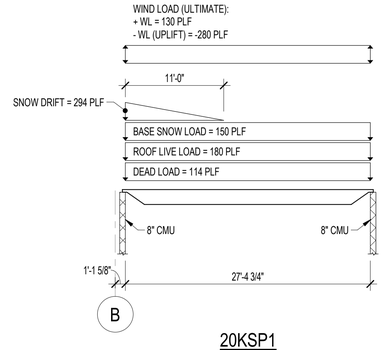


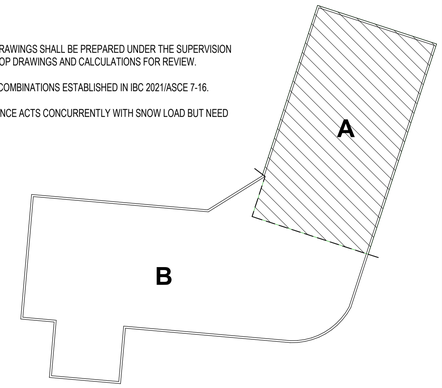
20KSP1

JOIST LOADING DIAGRAMS

NOT TO SCALE

NOTES:

1. SPECIAL JOISTS REQUIRE DELEGATED DESIGN. PREPARATION OF CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER REGISTEERED IN MARYLAND. SUMBIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR REVIEW.
2. JOIST DESIGNER SHALL COMBINE AND FACTOR LOAD CASES IN ACCORDANCE WITH THE LOAD COMBINATIONS ESTABLISHED IN IBC 2021/ASCE 7-16.
3. PV ALLOWANCE SHALL BE APPLIED AS A ROOF LIVE LOAD FOR DESIGN PURPOSES. PV ALLOWANCE ACTS CONCURRENTLY WITH SNOW LOAD BUT NEED NOT BE APPLIED CONCURRENTLY WITH ROOF LIVE LOAD.



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SHEET DESIGNATION	CONTRACT NUMBER
S-103.1	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 172 OF 302
	DRAWING NUMBER 2024 - 1485
	FILE NO.: 8

SEAL

STATE OF MARYLAND · KEVIN B. McGRATH · NO. 36746 · PROFESSIONAL ENGINEER

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:

DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				GSW	14SW19 14SW20 15SW19 15SW20
CONTRACT COMPLETION BOX			R.O.W NO.		

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF FRAMING PLAN - WING A

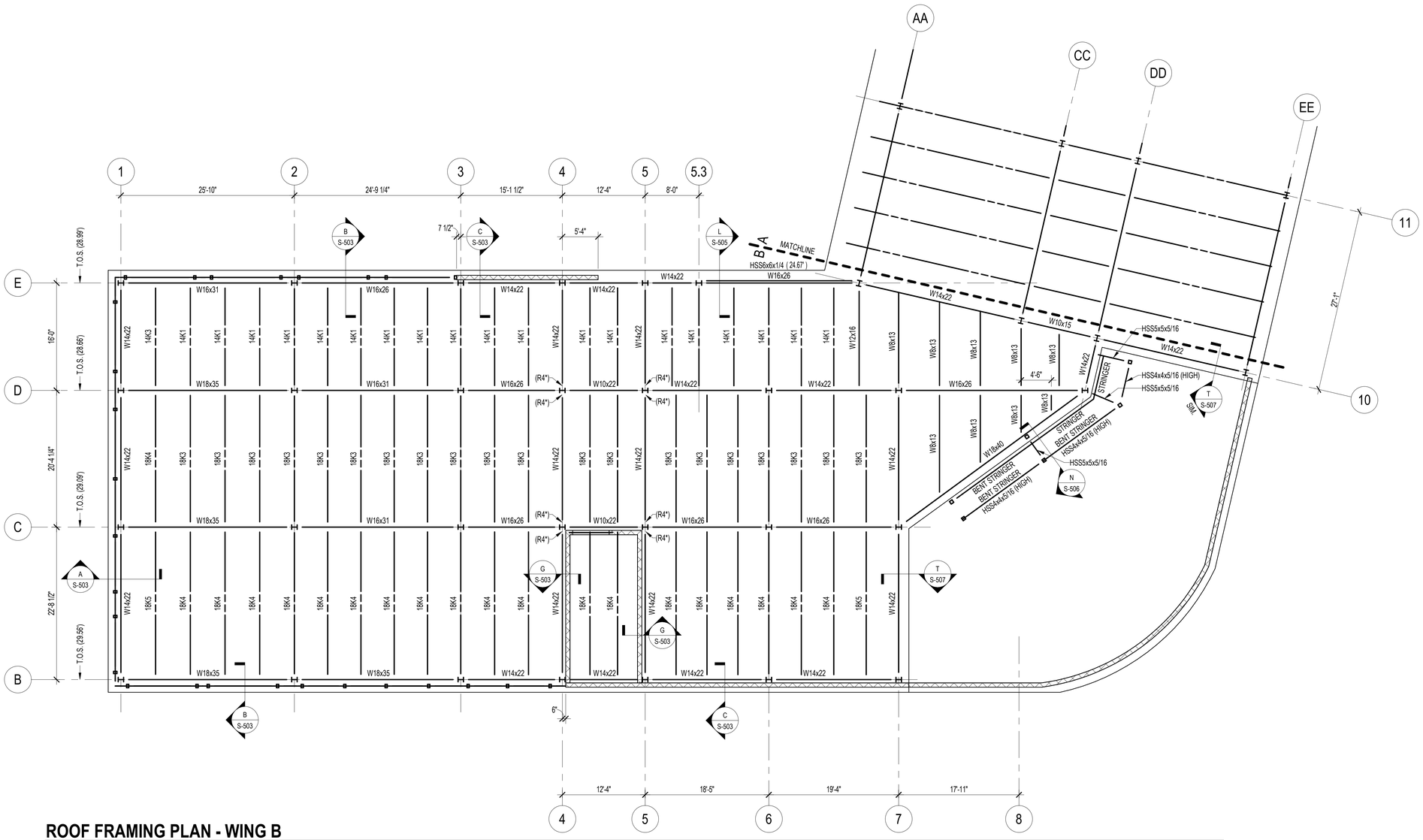
NEW BUILDING DESIGN

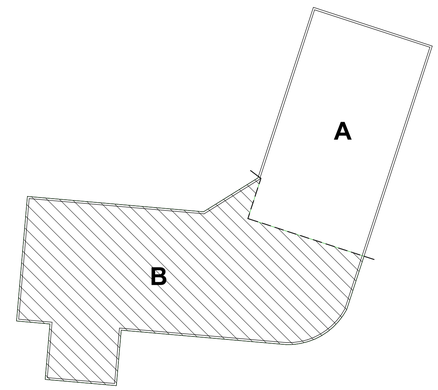
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

CEI# 23-067





ROOF FRAMING PLAN - WING B

SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES:

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Columbia, MD 21045

CEI file: 23-067 / Rev21
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SEAL: STATE OF MARYLAND · KEVIN B. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : 06/19/2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W. NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

	DGN BY:	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
ENGINEER: Kevin McGrath, P.E.	KNG / KGM								
AS-BUILT PER RECORD PRINT	DRN BY: RT / KGM	REVIEWED BY:							
BY: DATE:	CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF FRAMING PLAN - WING B

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

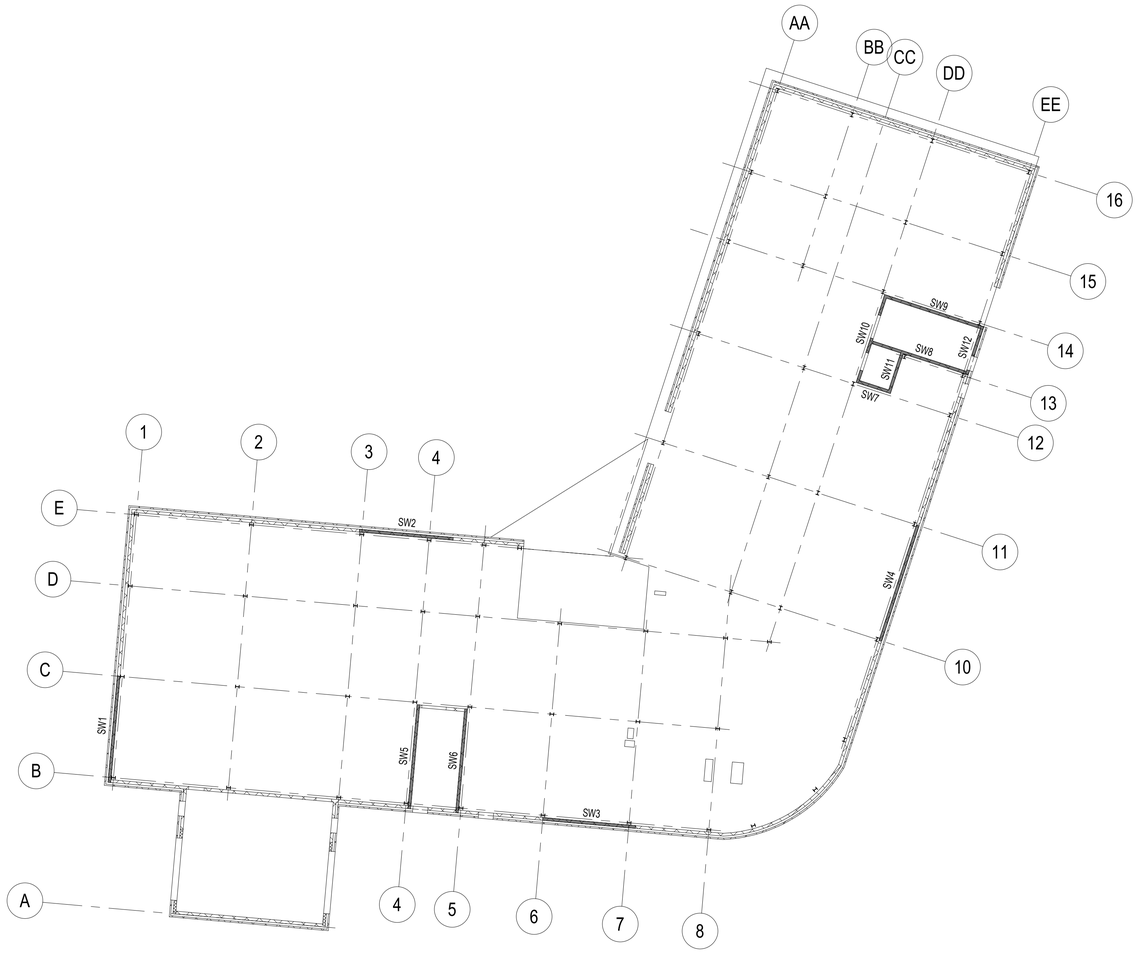
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
S-103.2	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 173 OF 302	
DRAWING NUMBER	2024 - 1486
FILE NO.: 8	REV. 0

CEI# 23-067



MASONRY SHEAR WALL PLAN

NOT TO SCALE

MASONRY SHEAR WALL SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT		HORIZONTAL REINFORCEMENT		REMARKS
		LEVEL 01 TO LEVEL 02	LEVEL 02 TO ROOF	LEVEL 01 TO LEVEL 02	LEVEL 02 TO ROOF	
SW1	8" CMU	#5 AT 24"o.c.		N/A	N/A	
SW2	8" CMU	#5 AT 24"o.c.	#5 AT 40"o.c.	N/A	N/A	
SW3	8" CMU	#5 AT 24"o.c.	#5 AT 40"o.c.	N/A	N/A	
SW4	8" CMU	#5 AT 48"o.c.		N/A	N/A	
SW5	8" CMU	#5 AT 24"o.c.	#5 AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	
SW6	8" CMU	#5 AT 24"o.c.	#5 AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	
SW7	8" CMU	#5 AT 8"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	FILL WALL 100% SOLID BELOW SECOND FLOOR.
SW8	8" CMU	#5 AT 24"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	
SW9	8" CMU	#5 AT 24"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	
SW10	8" CMU	#5 AT 8"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	FILL WALL 100% SOLID BELOW SECOND FLOOR.
SW11	8" CMU	#5 AT 8"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	FILL WALL 100% SOLID BELOW SECOND FLOOR.
SW12	8" CMU	#5 AT 8"o.c.	#5 AT 24"o.c.	8"x8" BOND BEAM AT 48"o.c.	8"x8" BOND BEAM AT 48"o.c.	FILL WALL 100% SOLID BELOW SECOND FLOOR.

SHEAR WALL NOTES:

1. CONTROL JOINTS ARE PROHIBITED IN MASONRY SHEAR WALLS.
2. ALL BOND BEAMS SHALL BE REINFORCED WITH 2-#5 CONTINUOUS HORIZONTAL BARS UNLESS NOTED OTHERWISE.
3. NO MEP PENETRATIONS ARE PERMITTED THROUGH SHEAR WALLS WITHOUT THE APPROVAL OF THE EOR.
4. APPROVED PENETRATIONS SHALL BE PLACED SUCH THAT 2'-0" CLEARANCE IS MAINTAINED FROM CENTERLINE OF ALL BEAM/JOIST BEARING LOCATIONS TO THE EDGE OF THE PENETRATION.
3. PENETRATIONS ARE NOT PERMITTED THROUGH HORIZONTAL BOND BEAMS.
4. ALL SHEAR WALLS SHALL HAVE DOUBLE REINFORCEMENT AT EACH END. (i.e. IF SCHEDULE INDICATES #5 AT 48"o.c., INSTALL 2-#5 IN LAST TWO CELLS AT EACH END).

KEYNOTES:

(1*) DENOTES THAT ALL VERTICAL BARS SHALL BE SPLICED WITH ZAP SCREWLOK "SL" SERIES BY BAR SPLICE PRODUCTS, INC. OR EQUIVALENT MECHANICAL COUPLER. LAP SPLICES ARE NOT PERMITTED.

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane
Suite 150
Columbia, MD 21045
Tel 410.992.9970
Fax 410.992.0627

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SEAL

STATE OF MARYLAND · KEVIN G. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE: 06/19/2025

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ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

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DATE:

DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SHEAR WALL PLAN

NEW BUILDING DESIGN

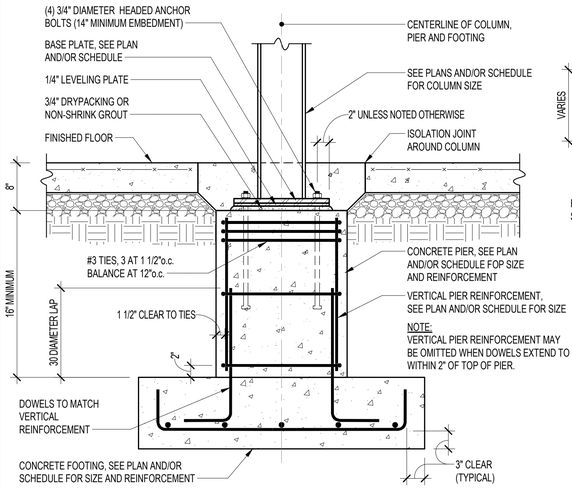
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

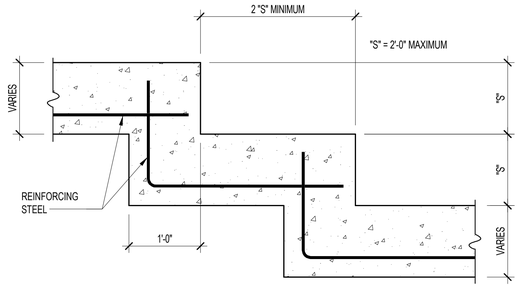
SHEET DESIGNATION	CONTRACT NUMBER
S-201	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 174 OF 302
	DRAWING NUMBER
	2024 - 1487
	FILE NO.: 8

CEI# 23-067



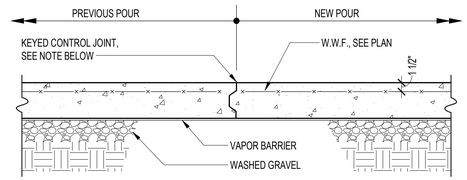
COLUMN, FOOTING AND PIER

A S-301 TYPICAL DETAIL
NOT TO SCALE



STEP FOOTING

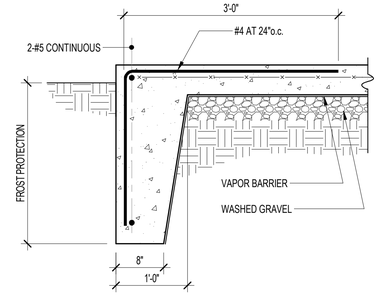
B S-301 TYPICAL DETAIL
NOT TO SCALE



NOTE:
BETWEEN CONSTRUCTION JOINTS, THE CONTRACTOR SHALL PROVIDE SAW CUT CONTROL JOINTS THAT SHALL BE SPACED AS SHOWN ON PLANS AND/OR AS INDICATED IN THE GENERAL NOTES.
SAW CUT JOINTS SHALL BE 1/4 OF THE SLAB THICKNESS IN DEPTH AND SHALL BE CUT AS SOON AS THE CONCRETE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE AND BEFORE RANDOM SHRINKAGE CRACKS CAN FORM IN THE CONCRETE SLAB.

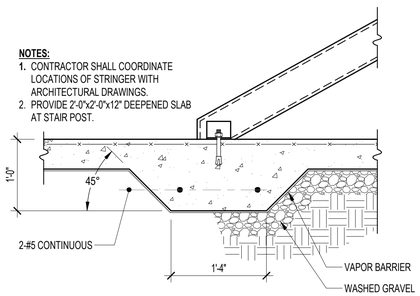
CONSTRUCTION JOINT IN SLAB ON GRADE

C S-301 TYPICAL DETAIL
NOT TO SCALE



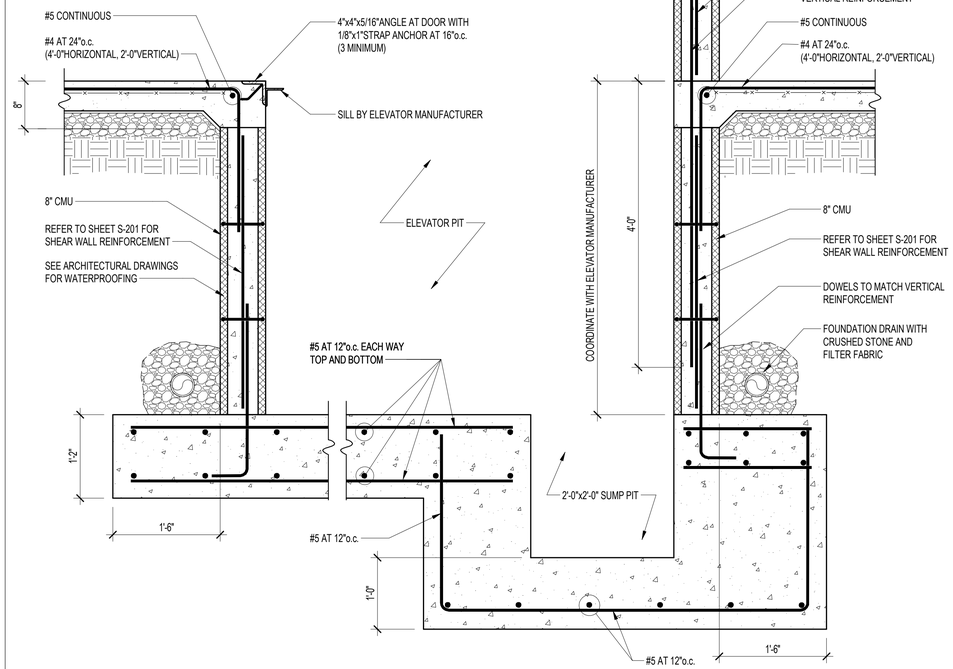
TURNED DOWN SLAB

D S-301 TYPICAL DETAIL
NOT TO SCALE



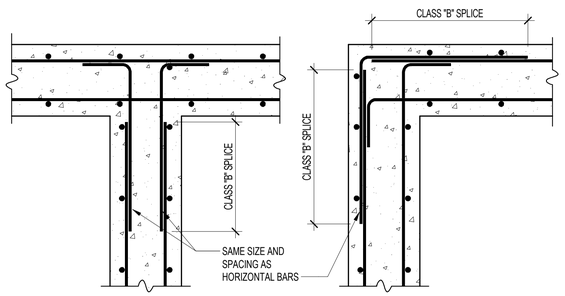
DEEPENED SLAB FOR STAIR STRINGER SUPPORT

E S-301 TYPICAL DETAIL
NOT TO SCALE



ELEVATOR PIT

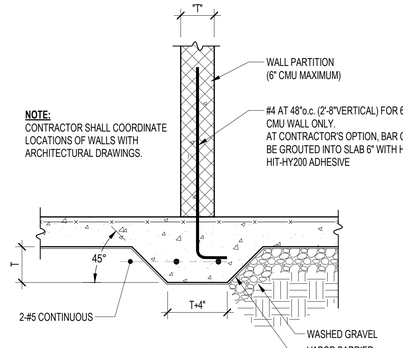
F S-301 TYPICAL DETAIL
NOT TO SCALE



TEE CORNER

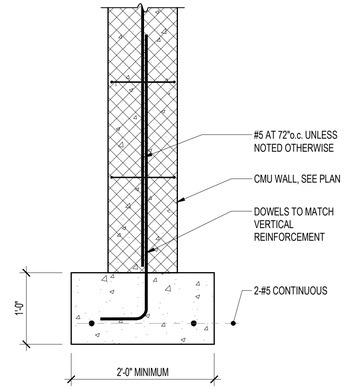
CONCRETE RETAINING WALL INTERSECTIONS (PLAN VIEW)

G S-301 TYPICAL DETAIL
NOT TO SCALE



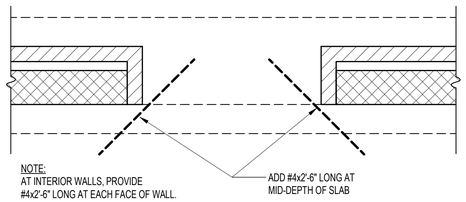
DEEPENED SLAB FOR NON-BEARING MASONRY WALL

H S-301 TYPICAL DETAIL
NOT TO SCALE



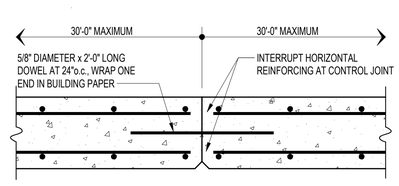
WALL FOOTING AT 8" OR 12" NON-BEARING MASONRY WALLS

J S-301 TYPICAL DETAIL
NOT TO SCALE



ADDED SLAB REINFORCEMENT AT WALL OPENINGS

K S-301 TYPICAL DETAIL
NOT TO SCALE



NOTES:
SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.

CONTROL JOINT IN CONCRETE RETAINING WALL

L S-301 TYPICAL DETAIL
NOT TO SCALE

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane Tel 410.992.9970
Suite 100 Fax 410.992.0627
Columbia, MD 21045
CEI No. 23-067 - Rev01
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SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE : 06/19/2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DESIGN	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: KNG / KGM								
DRN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TYPICAL DETAILS

NEW BUILDING DESIGN

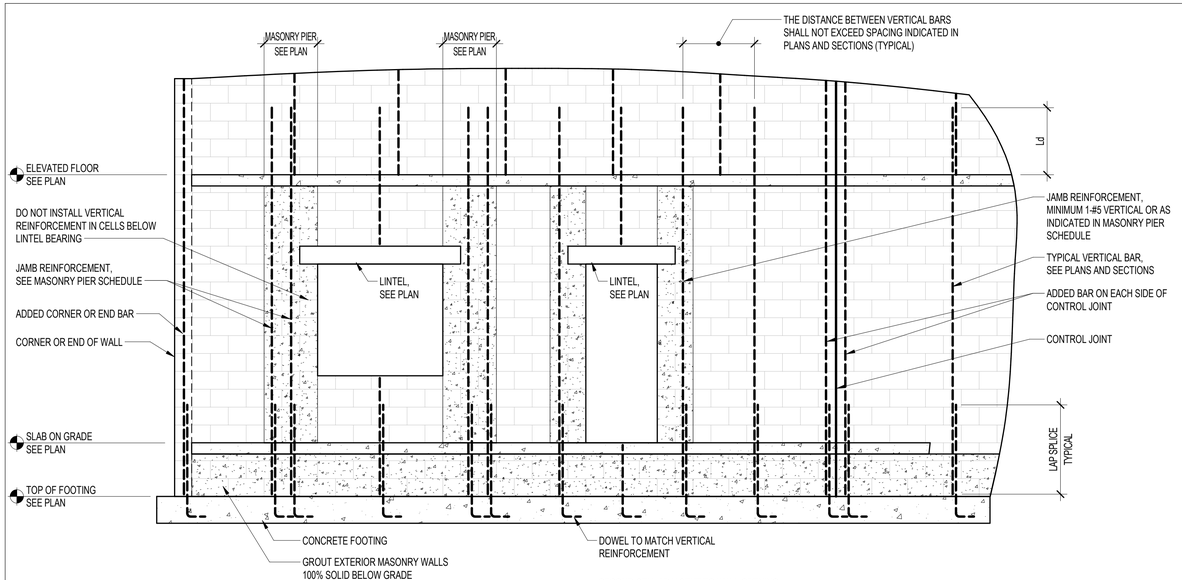
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-301	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 175 OF 302
	DRAWING NUMBER
	2024 - 1488
	FILE NO.: 8 REV. 0

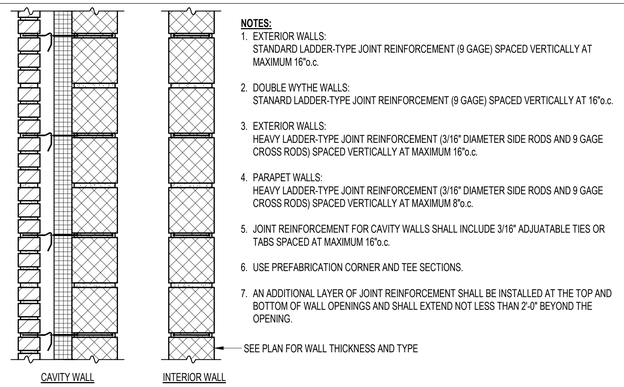
CEI# 23-067



MASONRY WALL REINFORCEMENT

NOTES:
1. ALL REINFORCED CELLS SHALL BE GROUTED 100% SOLID.
2. REFER TO PLANS AND SECTIONS FOR SPACING OF TYPICAL VERTICAL REINFORCEMENT.
3. REFER TO GENERAL NOTES FOR PLACEMENT LIMITATIONS OF IN-WALL CONDUIT.

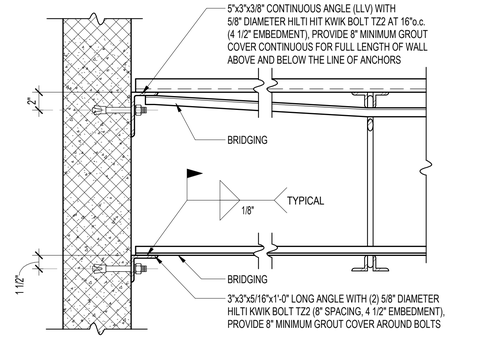
A S-302 — TYPICAL DETAIL
NOT TO SCALE



NOTES:
1. EXTERIOR WALLS: STANDARD LADDER-TYPE JOINT REINFORCEMENT (9 GAGE) SPACED VERTICALLY AT MAXIMUM 16"o.c.
2. DOUBLE WYTHE WALLS: STANAARD LADDER-TYPE JOINT REINFORCEMENT (9 GAGE) SPACED VERTICALLY AT 16"o.c.
3. EXTERIOR WALLS: HEAVY LADDER-TYPE JOINT REINFORCEMENT (3/16" DIAMETER SIDE RODS AND 9 GAGE CROSS RODS) SPACED VERTICALLY AT MAXIMUM 16"o.c.
4. PARAPET WALLS: HEAVY LADDER-TYPE JOINT REINFORCEMENT (3/16" DIAMETER SIDE RODS AND 9 GAGE CROSS RODS) SPACED VERTICALLY AT MAXIMUM 8"o.c.
5. JOINT REINFORCEMENT FOR CAVITY WALLS SHALL INCLUDE 3/16" ADJUATABLE TIES OR TABS SPACED AT MAXIMUM 16"o.c.
6. USE PREFABRICATION CORNER AND TEE SECTIONS.
7. AN ADDITIONAL LAYER OF JOINT REINFORCEMENT SHALL BE INSTALLED AT THE TOP AND BOTTOM OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 2'-0" BEYOND THE OPENING.

WALL REINFORCING

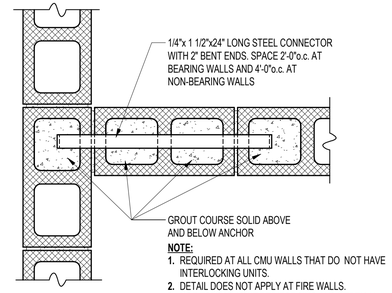
B S-302 — TYPICAL DETAIL
NOT TO SCALE



NOTE:
REQUIRED AT ALL MASONRY WALLS WHERE SPAN OF METAL DECK TERMINATES

DECK SUPPORT AND BRIDGING CONNECTION AT MASONRY WALL

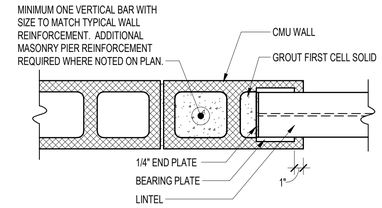
C S-302 — TYPICAL DETAIL
NOT TO SCALE



NOTE:
1. REQUIRED AT ALL CMU WALLS THAT DO NOT HAVE INTERLOCKING UNITS.
2. DETAIL DOES NOT APPLY AT FIRE WALLS.
3. HORIZONTAL JOINT REINFORCING AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.

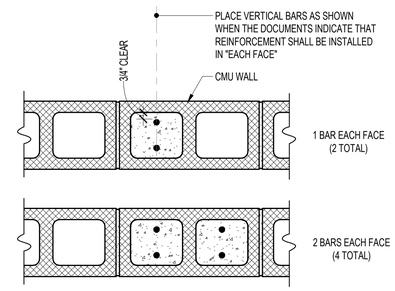
ABUTTING MASONRY WALL

D S-302 — TYPICAL DETAIL
NOT TO SCALE



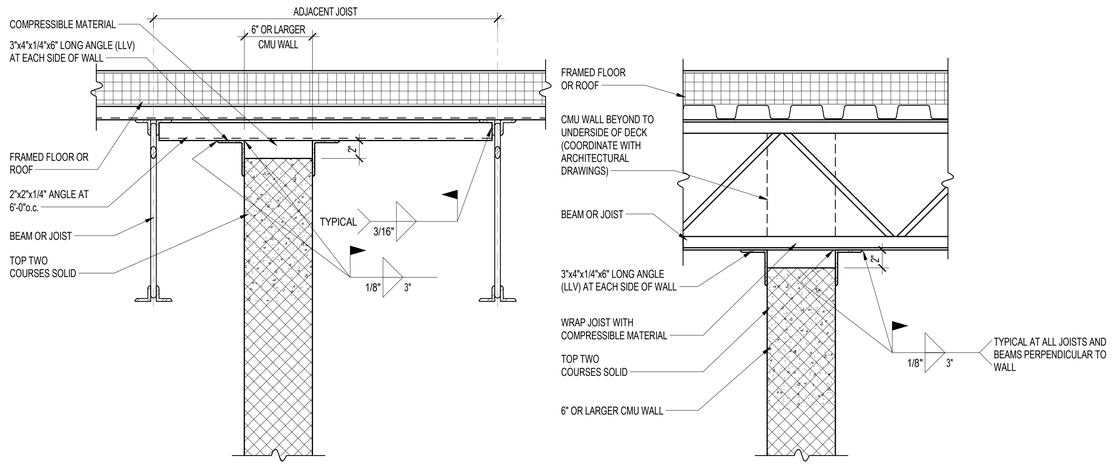
CMU REINFORCEMENT ADJACENT TO WALL OPENING

E S-302 — TYPICAL DETAIL
NOT TO SCALE



CMU REINFORCEMENT EACH FACE

F S-302 — TYPICAL DETAIL
NOT TO SCALE

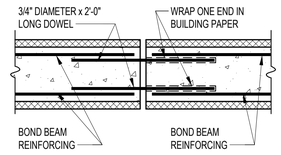


WALL PARALLEL TO JOIST OR BEAM

WALL PERPENDICULAR TO JOIST OR BEAM

MASONRY PARTITION SUPPORT

G S-302 — TYPICAL DETAIL
NOT TO SCALE



BOND BEAM AT CONTROL JOINT

H S-302 — TYPICAL DETAIL
NOT TO SCALE

SEAL

STATE OF MARYLAND — KEVIN G. McGRATH — No. 36746 — PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane Tel 410.992.9970
Suite 150 Fax 410.992.0627
Columbia, MD 21045
CEI No. 23-067 - Rev21
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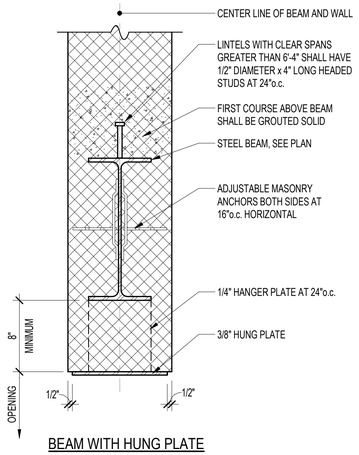
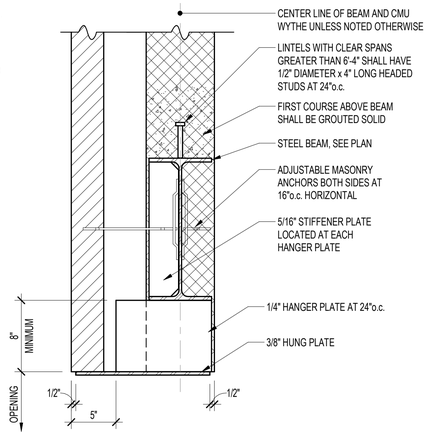
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
TYPICAL DETAILS
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-302	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 176 OF 302
	DRAWING NUMBER
	2024 - 1489
	FILE NO.: 8

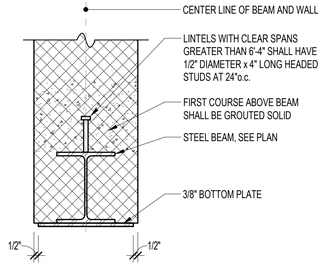
CEI# 23-067



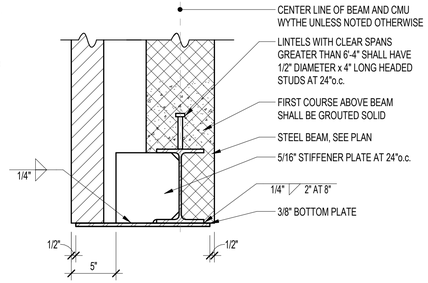
BEAM WITH HUNG PLATE



BEAM WITH HUNG PLATE IN EXTERIOR CAVITY WALL



BEAM WITH BOTTOM PLATE

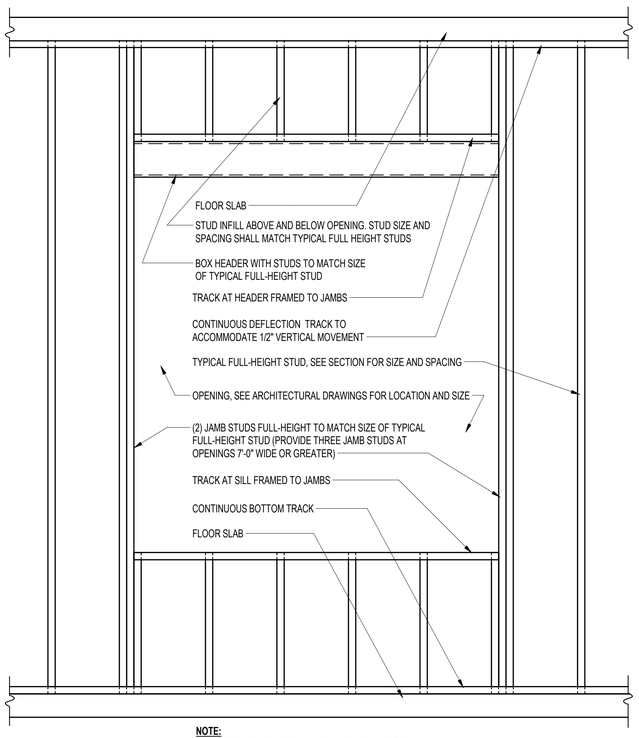


BEAM WITH BOTTOM PLATE IN EXTERIOR CAVITY WALL

NOTES:
1. BEAMS DEEPER THAN 8" SHALL HAVE ADJUSTABLE MASONRY ANCHORS BOTH SIDES AT 16"o.c. HORIZONTAL.
2. HUNG / BOTTOM PLATE SHALL STOP 1/2" SHORT OF OPENING AT EACH END.

STEEL BEAM LINTELS

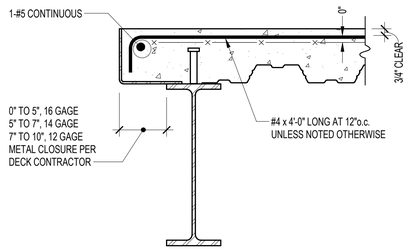
A TYPICAL DETAIL
S-303 — NOT TO SCALE



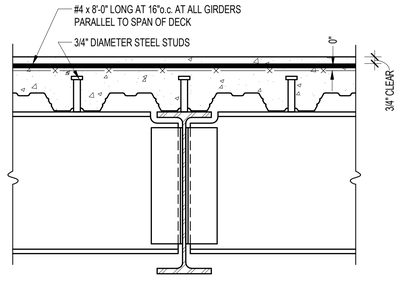
NOTE:
ALL STUDS AND TRACK SHALL BE MINIMUM 16 GAGE.

EXTERIOR STUD WALL OPENING

B TYPICAL DETAIL
S-303 — NOT TO SCALE



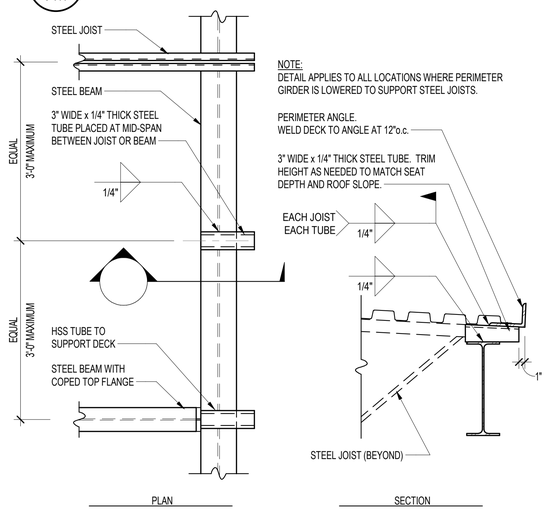
SLAB OPENING AND SLAB PERIMETER



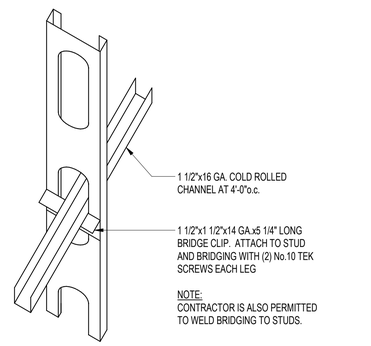
COMPOSITE FLOOR BEAM AND GIRDER

C TYPICAL DETAIL
S-303 — NOT TO SCALE

D TYPICAL DETAIL
S-303 — NOT TO SCALE



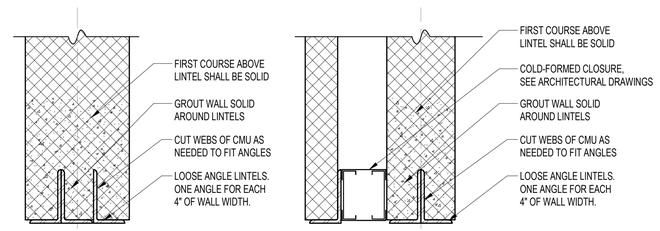
PERIMETER DECK SUPPORT AT ROOF



STUD BRIDGING DETAIL

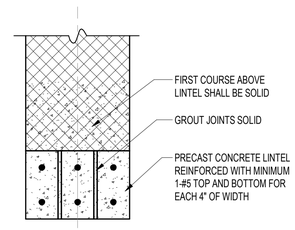
E TYPICAL DETAIL
S-303 — NOT TO SCALE

F TYPICAL DETAIL
S-303 — NOT TO SCALE



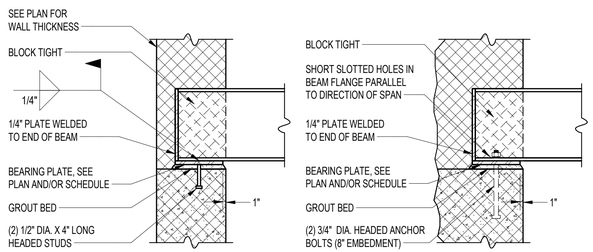
LOOSE ANGLE LINTELS

NOTES:
1. LOOSE ANGLES LINTELS SHALL BE INSTALLED OVER OPENINGS IIN THE FOLLOWING LOCATIONS UNLESS NOTED OTHERWISE:
   - EXTERIOR WALLS
   - INTERIOR BEARING WALLS
2. LOOSE LINTELS FOR OPENINGS IN MASONRY BEARING WALLS SHALL BE AS FOLLOWS FOR EACH 4" WIDTH:
   0'-0" TO 3'-0" ..... 3 1/2 "x3 1/2"x5/16" ANGLE
   3'-1" TO 5'-0" ..... 4"x3 1/2"x5/16" ANGLE
   5'-1" TO 6'-0" ..... 5"x3 1/2"x3/8" ANGLE
   6'-1" TO 8'-0" ..... 6"x3 1/2"x3/8" ANGLE
3. ALL ANGLES SHALL HAVE THEIR SHORT LEG OUTSTANDING AND 6" MINIMUM BEARING.



PRECAST LINTELS

NOTES:
1. PRECAST LINTELS SHALL BE INSTALLED OVER OPENINGS IN ALL INTERIOR NON-BEARING PARTITIONS UNLESS NOTED OTHERWISE.
2. PRECAST LINTELS SHALL NOT BE INSTALLED ABOVE OPENINGS WIDER THAN 10'-0" WITHOUT THE CONSENT OF THE ENGINEER OF RECORD.



BEAM SPANNING PERPENDICULAR TO WALL

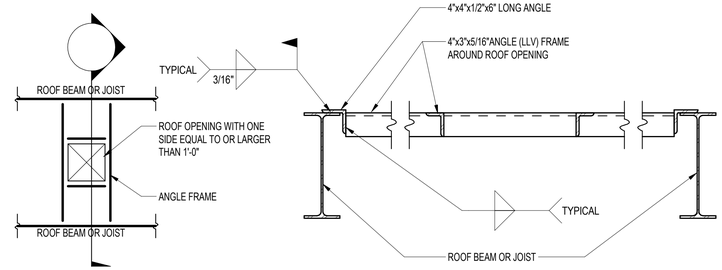
BEAM SPANNING PARALLEL TO WALL (LINTEL BEARING)

NOTES:
1.) BEAMS SHALL BEAR FULL LENGTH ON BEARING PLATE.
2.) DETAIL SIMILAR FOR CHANNELS AND TUBE SHAPES.

BEAM BEARING ON MASONRY WALL

G TYPICAL DETAIL
S-303 — NOT TO SCALE

H TYPICAL DETAIL
S-303 — NOT TO SCALE



NOTES:
1. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF OPENINGS.
2. PROVIDE ANGLE FRAME AT ALL ROOF DRAINS.

ROOF OPENING FRAME DETAIL

J TYPICAL DETAIL
S-303 — NOT TO SCALE

SEAL

STATE OF MARYLAND — KEVIN B. McGRATH — No. 36746 — PROFESSIONAL ENGINEER

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

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ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY:	KNG / KGM
DRN BY:	RT / KGM
CHKD BY:	KGM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TYPICAL DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane Tel 410.992.9970
Suite 150 Fax 410.992.0627
Columbia, MD 21045

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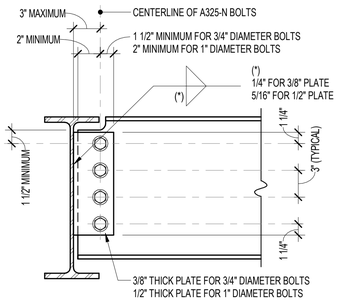
SHEET DESIGNATION	CONTRACT NUMBER
S-303	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 177 OF 302	
DRAWING NUMBER	2024 - 1490
FILE NO.: 8	

CEI# 23-067

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N
2	9.7	11.0
3	19.3	21.9
4	30.9	35.1
5	42.9	48.8
6	54.8	62.3
7	66.7	75.8
8	78.4	89.0
9	90.0	102
10	101	115
11	112	128
12	124	141

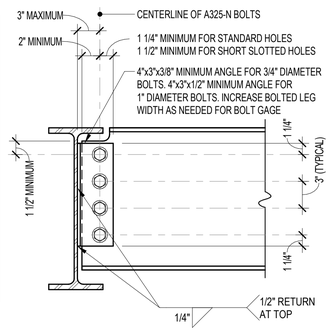


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. SHORT SLOTTED HOLES SHALL BE USED.

SINGLE PLATE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N	WELD
2	9.7	11.0	22.0
3	19.3	21.9	38.1
4	30.9	35.1	51.5
5	42.9	48.8	64.1
6	54.8	62.3	76.3
7	66.7	75.8	87.7
8	78.4	89.0	98.7
9	90.0	102	110
10	101	115	120
11	112	128	131
12	124	141	143

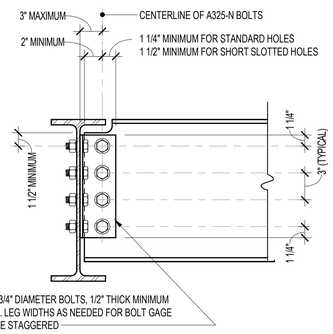


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE WELD CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.

BOLTED/WELDED SINGLE ANGLE CONNECTION

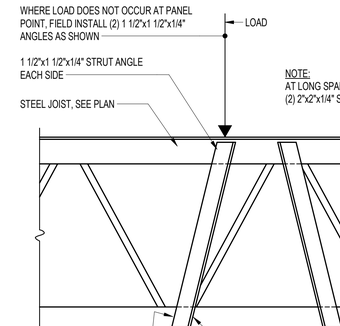
ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N
2	9.7	11.0
3	19.3	21.9
4	30.9	35.1
5	42.9	48.8
6	54.8	62.3
7	66.7	75.8
8	78.4	89.0
9	90.0	102
10	101	115
11	112	128
12	124	141



3/8" THICK MINIMUM ANGLE FOR 3/4" DIAMETER BOLTS, 1/2" THICK MINIMUM ANGLE FOR 1" DIAMETER BOLTS. LEG WIDTHS AS NEEDED FOR BOLT GAGE AND CLEARANCES. BOLTS CAN BE STAGGERED

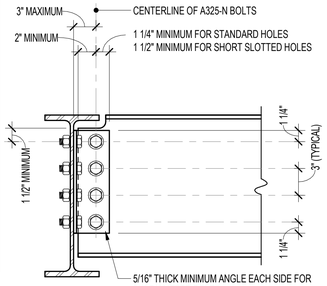
NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE 3/4" DIAMETER BOLT CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38" AND THE 1" DIAMETER BOLT CAPACITY BY Tweb/0.34 FOR SUPPORTING MEMBER WEBS LESS THAN 0.34".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED IN ANGLE LEG CONNECTED TO SUPPORTED MEMBER.
5. STANDARD HOLES SHALL BE USED IN ANGLE LEG CONNECTED TO SUPPORTING MEMBER. MAINTAIN 1 1/4" MINIMUM HORIZONTAL EDGE DISTANCE, Leh.
6. DISTANCE FROM HEEL OF ANGLE TO LINE OF BOLTS SHALL NOT EXCEED 3" FOR BOTH LEGS.



JOIST LOAD STRUT DETAIL

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N AT SUPPORTED MEMBER	3/4" DIAMETER A325-N AT SUPPORTING MEMBER	1" DIAMETER A325-N AT SUPPORTED MEMBER	1" DIAMETER A325-N AT SUPPORTING MEMBER
2	16.1	40.8	22.0	56.6
3	32.1	63.7	43.8	89.2
4	51.6	83.9	70.3	122
5	71.6	104	97.5	154
6	91.4	124	125	187
7	111	145	152	220
8	131	165	178	252
9	150	185	204	285
10	169	205	230	318
11	187	226	255	350
12	207	246	283	383

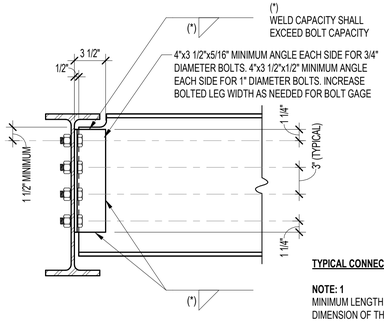


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.44", REDUCE ABOVE CAPACITY BY Tweb/0.44".
2. FOR 1" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.67", REDUCE ABOVE CAPACITY BY Tweb/0.67".
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE 3/4" DIAMETER SUPPORTING MEMBER BOLT CAPACITY BY Tweb/0.39 FOR SUPPORTING MEMBER WEBS LESS THAN 0.39" AND THE 1" DIAMETER SUPPORTING MEMBER BOLT CAPACITY BY Tweb/0.44" FOR SUPPORTING MEMBER WEBS LESS THAN 0.44".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTED MEMBER.
5. STANDARD HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTING MEMBER. MAINTAIN 1 1/4" HORIZONTAL EDGE DISTANCE, Leh

BOLTED / BOLTED DOUBLE ANGLE CONNECTION

ALLOWABLE CONNECTION CAPACITY (KIPS)

NUMBER OF BOLTS	3/4" DIAMETER A325-N	1" DIAMETER A325-N	3/16" WELD	1/4" WELD	5/16" WELD
2	40.8	56.6	46.7	62.3	77.8
3	63.7	89.2	68.6	91.5	114
4	83.9	122	89.0	119	148
5	104	154	108	144	181
6	124	187	126	168	210
7	145	220	145	193	241
8	165	252	161	214	268
9	185	285	177	236	295
10	205	318	195	260	325
11	226	350	212	282	353
12	246	383	228	304	380



NOTES:
1. REDUCE 3/16" WELD CAPACITY BY Tweb/0.28 FOR BEAM WEB LESS THAN 0.28", REDUCE 1/4" WELD CAPACITY BY Tweb/0.37 FOR BEAM WEB LESS THAN 0.37", REDUCE 5/16" WELD CAPACITY BY Tweb/0.47 FOR BEAM WEB LESS THAN 0.47".
2. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE 3/4" DIAMETER BOLT CAPACITY BY Tweb/0.39 FOR SUPPORTING MEMBER WEB LESS THAN 0.39" AND THE 1" DIAMETER BOLT CAPACITY BY Tweb/0.44 FOR SUPPORTING MEMBER WEB LESS THAN 0.44".
3. STANDARD HOLES SHALL BE USED. MAINTAIN 1 1/4" MINIMUM HORIZONTAL EDGE DISTANCE, Leh.
4. IF LENGTH OF COPE EXTENDS BEYOND ANGLE LEG, BEAM SHEAR CAPACITY SHALL BE CHECKED.

WELDED/BOLTED DOUBLE ANGLE CONNECTION

TYPICAL CONNECTION NOTES:

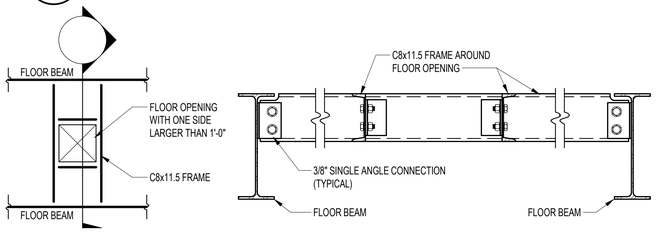
NOTE: 1
MINIMUM LENGTH OF CONNECTION SHALL BE ONE-HALF THE T-DIMENSION OF THE SUPPORTED MEMBER.

NOTE: 2
CONNECTION TABLES ALSO APPLY FOR BEAM TO COLUMN CONNECTIONS.

NOTE: 3
STEEL SHOP DRAWINGS THAT HAVE CONNECTIONS WHICH DO NOT CONFORM TO THE CONNECTIONS SHOWN IN THIS DETAIL WILL BE REJECTED.

CONNECTION DETAILS

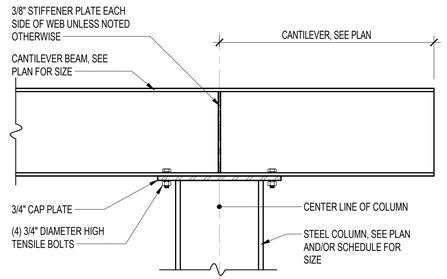
A TYPICAL DETAIL
S-304 NOT TO SCALE



NOTE:
OPENINGS SHOWN ON STRUCTURAL PLANS ARE PRINCIPAL OPENINGS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENINGS NOT SHOWN.

FLOOR OPENING FRAME

D TYPICAL DETAIL
S-304 NOT TO SCALE



CANTILEVER BEAM

E TYPICAL DETAIL
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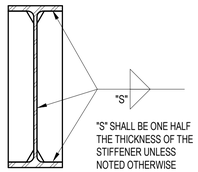

BEAM STIFFENER

F TYPICAL DETAIL
S-304 NOT TO SCALE

POST ON STEEL BEAM

C TYPICAL DETAIL
S-304 NOT TO SCALE

B TYPICAL DETAIL
S-304 NOT TO SCALE

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Columbia, MD 21045

CEINo. 23-067 Rev01
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SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:

DATE: 06/19/2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
			R.O.W NO.	GSW	15SW19
CONTRACT COMPLETION BOX					15SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DESIGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TYPICAL DETAILS

NEW BUILDING DESIGN

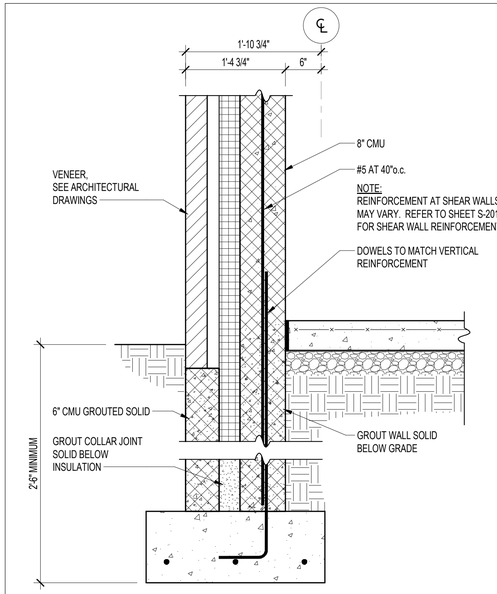
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-304	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 178 OF 302
	DRAWING NUMBER
	2024 - 1491
	FILE NO.: 8

CEI# 23-067



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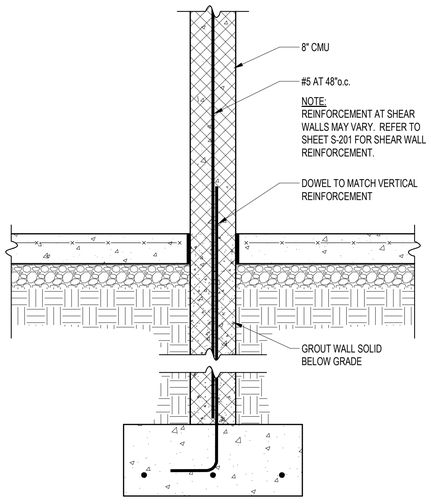

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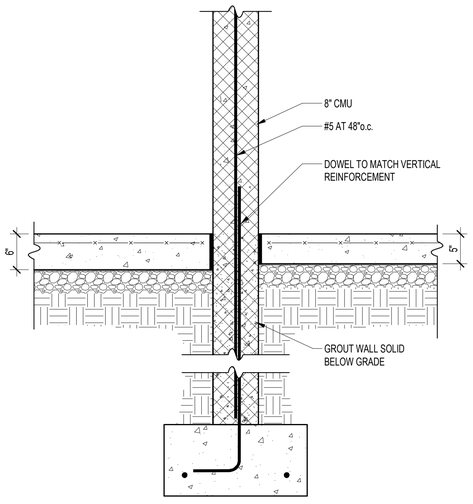

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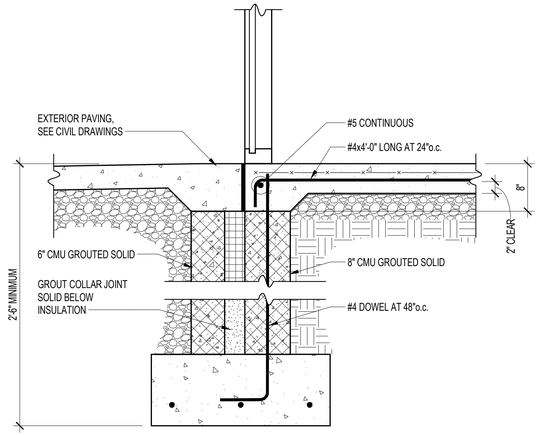

D S-401 SECTION
SCALE: 1" = 1'-0"

G S-401 SECTION
SCALE: 1" = 1'-0"

H S-401 SECTION
SCALE: 1" = 1'-0"

J S-401 SECTION
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · KEVIN B. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
			R.O.W NO.	GSW	15SW19
CONTRACT COMPLETION BOX					15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
PROPERTY MANAGER
DATE:

DGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
Structural Engineers
6310 Old Dobbin Lane
Suite 150
Columbia, MD 21045
Tel 410.992.9970
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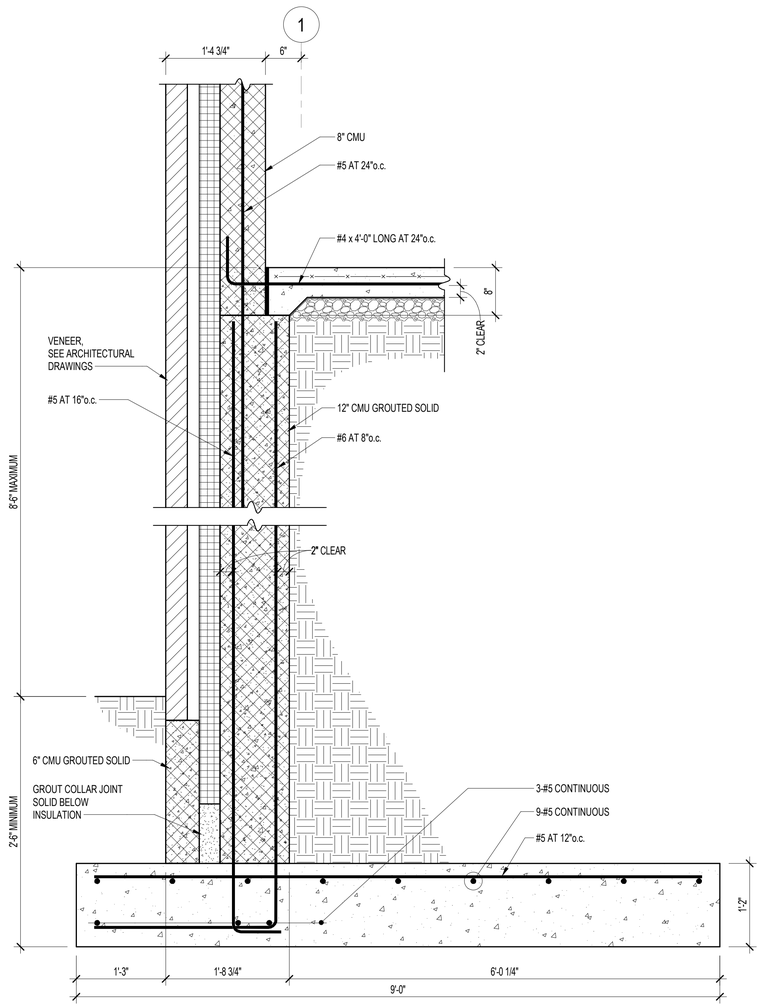
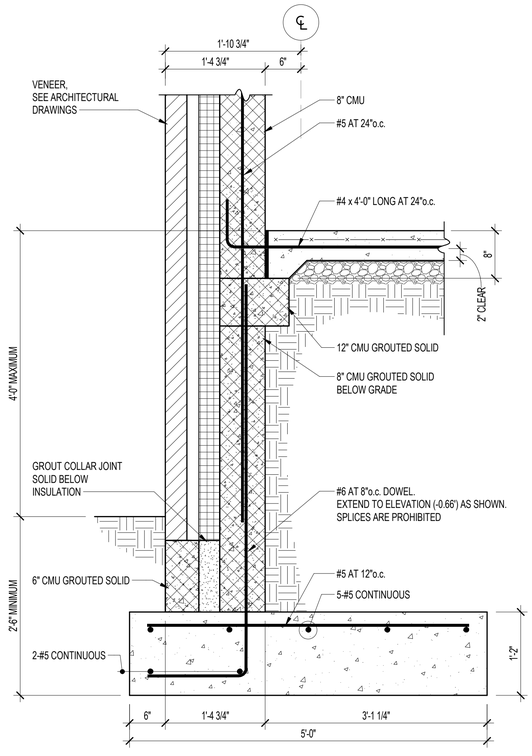
SHEET DESIGNATION	CONTRACT NUMBER
S-401	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 179 OF 302
	DRAWING NUMBER
	2024 - 1492
	FILE NO.: 8

CEI# 23-067



L SECTION
S-402
SCALE: 1" = 1'-0"



M SECTION
S-402
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND
KEVIN S. McGRATH
No. 36746
PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT
BY:
DATE:

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DWN BY:	RT / KGM
CHKD BY:	KGM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

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Columbia, MD 21045

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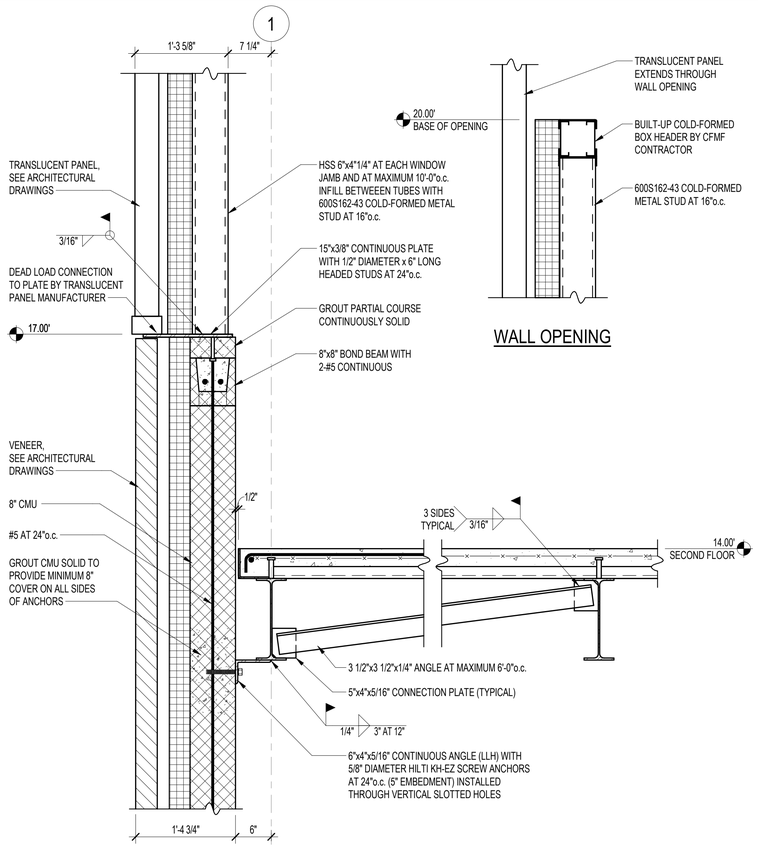
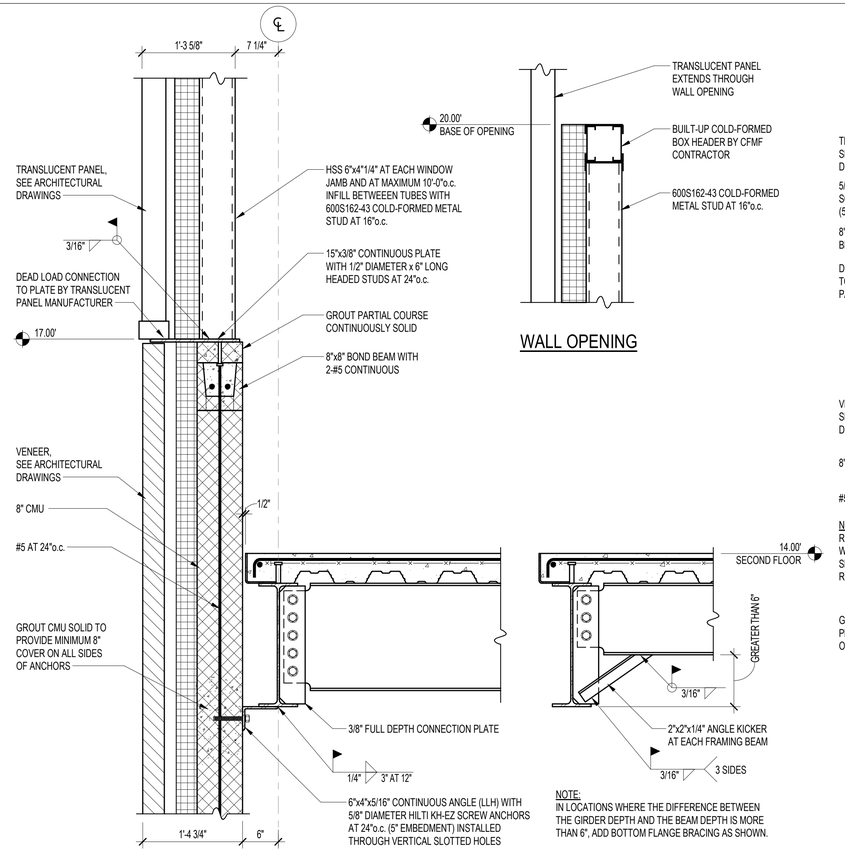
SHEET DESIGNATION	CONTRACT NUMBER
S-402	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 180 OF 302	
DRAWING NUMBER	2024 - 1493
FILE NO.: 8	REV. 0

CEI# 23-067



WALL OPENING

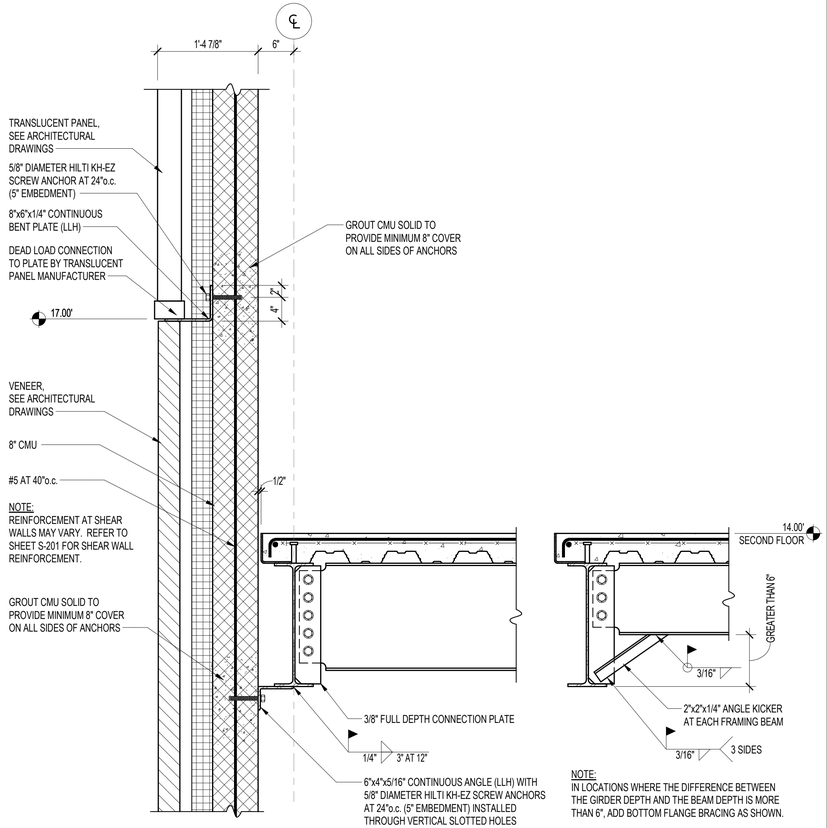
A SECTION
S-501
SCALE: 1" = 1'-0"



WALL OPENING

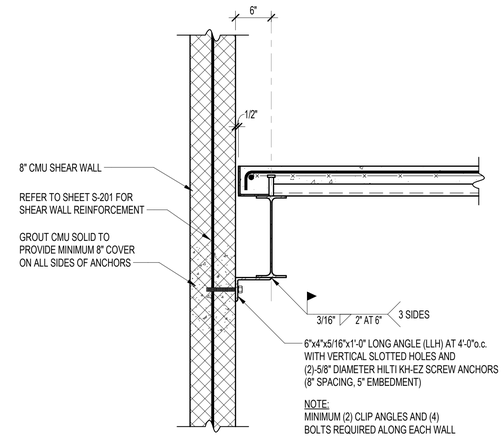
NOTE:
IN LOCATIONS WHERE THE DIFFERENCE BETWEEN THE GIRDER DEPTH AND THE BEAM DEPTH IS MORE THAN 6", ADD BOTTOM FLANGE BRACING AS SHOWN.

B SECTION
S-501
SCALE: 1" = 1'-0"



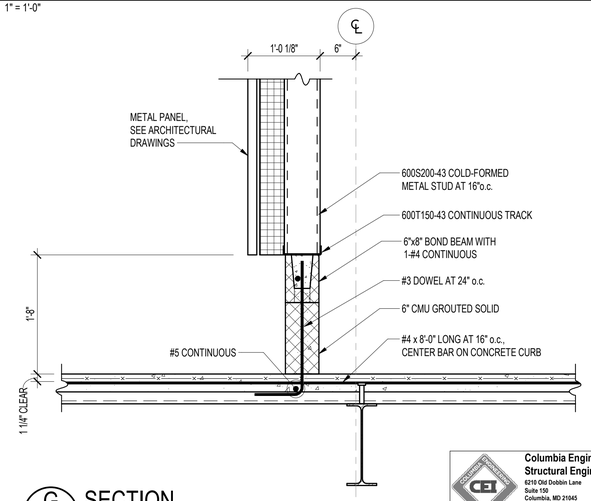
NOTE:
IN LOCATIONS WHERE THE DIFFERENCE BETWEEN THE GIRDER DEPTH AND THE BEAM DEPTH IS MORE THAN 6", ADD BOTTOM FLANGE BRACING AS SHOWN.

C SECTION
S-501
SCALE: 1" = 1'-0"



NOTE:
MINIMUM (2) CLIP ANGLES AND (4)
BOLTS REQUIRED ALONG EACH WALL

D SECTION
S-501
SCALE: 1" = 1'-0"



G SECTION
S-501
SCALE: 1" = 1'-0"

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane
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Tel 410.992.9970
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SEAL

STATE OF MARYLAND
KEVIN G. McGRATH
No. 36746
PROFESSIONAL ENGINEER

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

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ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

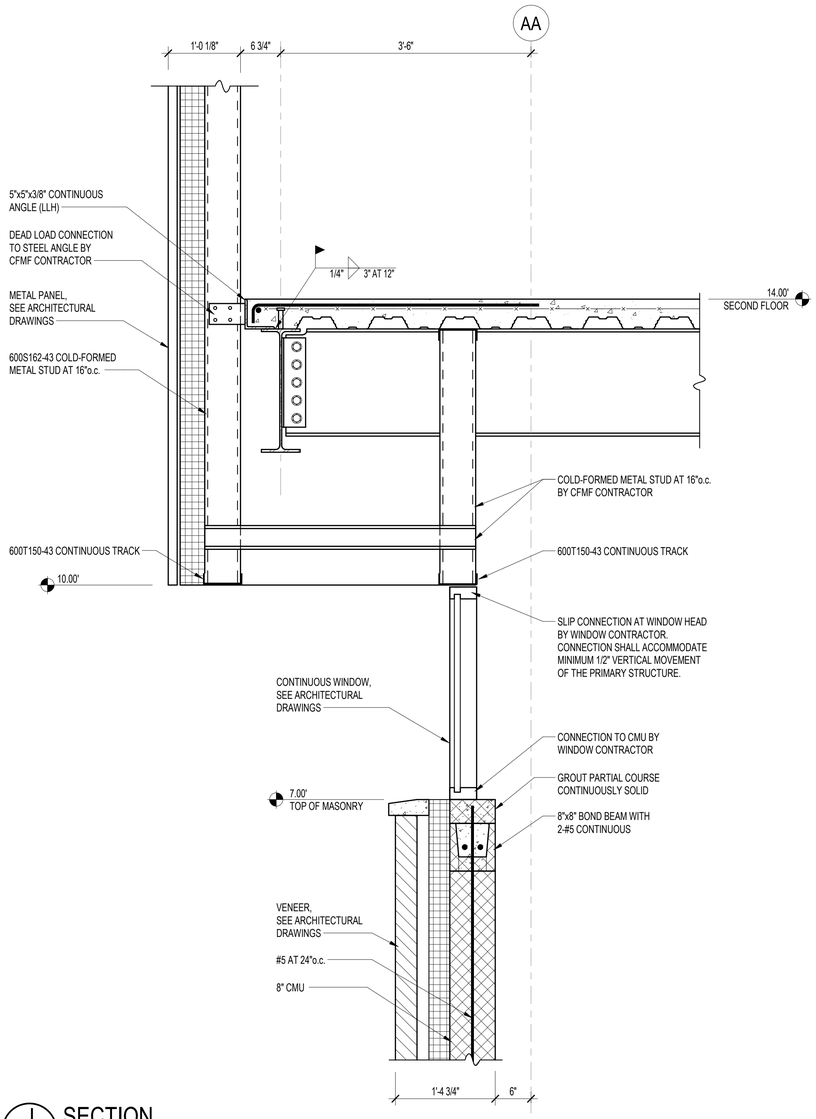
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

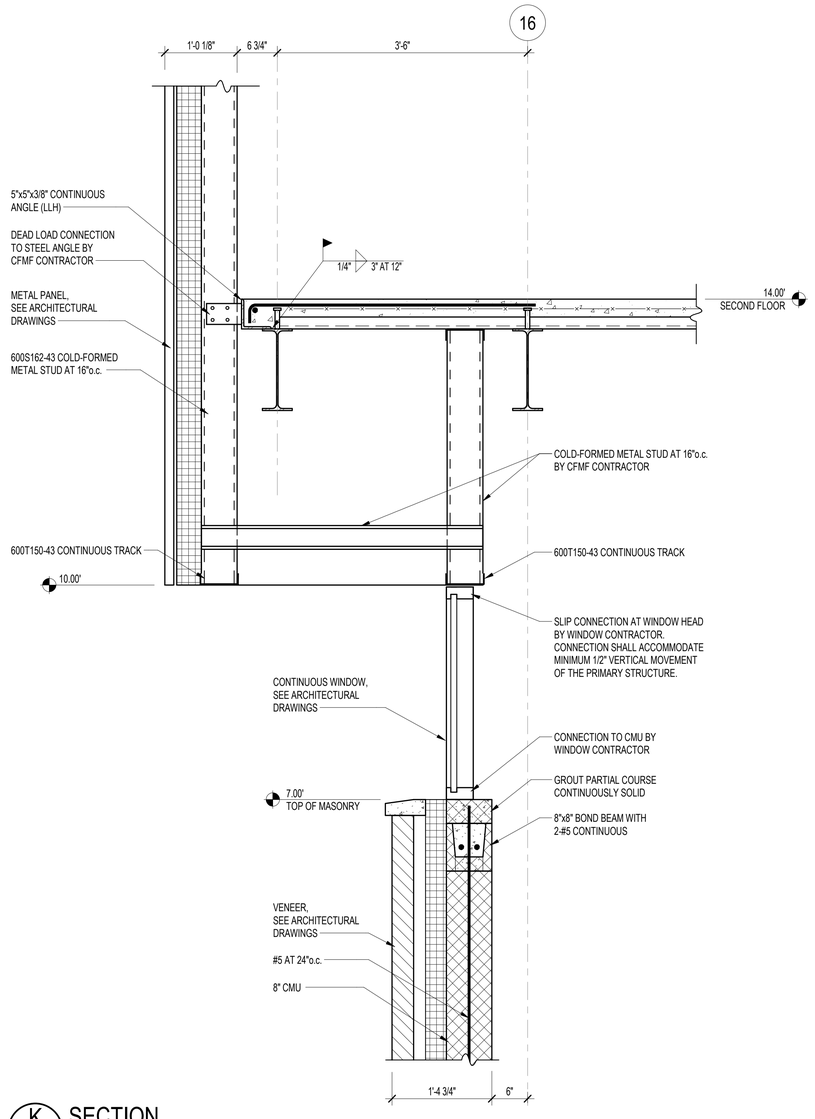
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-501	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 181 OF 302
	DRAWING NUMBER
	2024 - 1494
	FILE NO.: 8 REV. 0

CEI# 23-067



J S-502 SECTION
SCALE: 1" = 1'-0"



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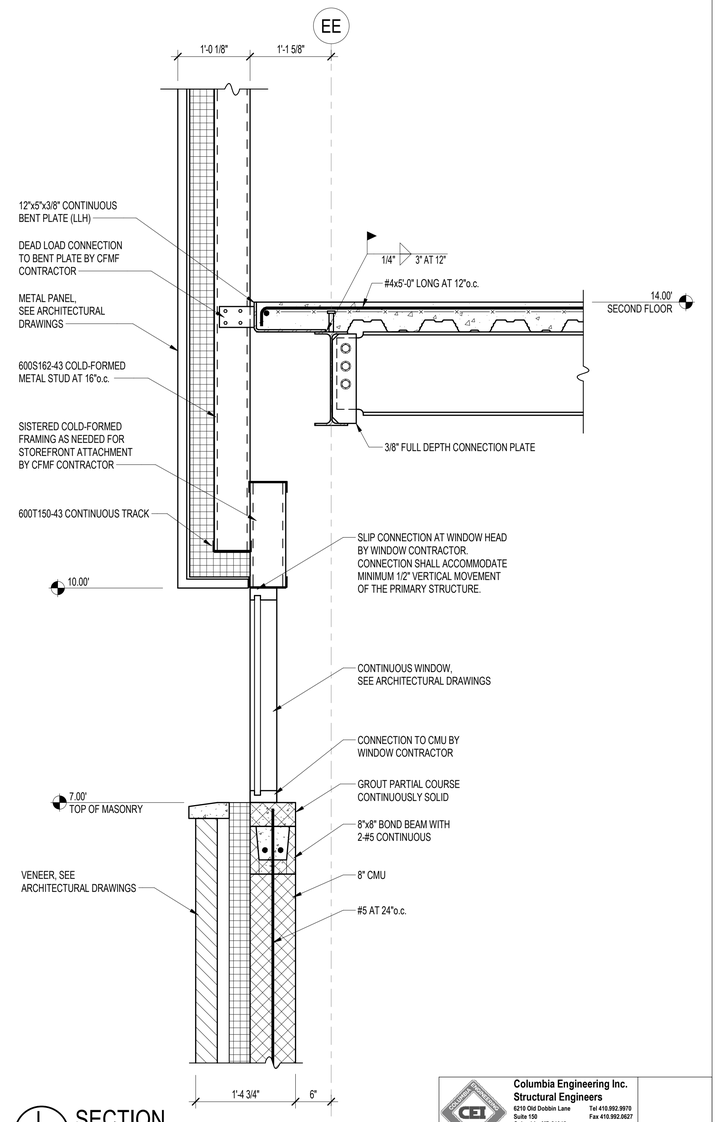
SCALE: 1" = 1'-0"



L S-502 SECTION
SCALE: 1" = 1'-0"

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane Tel 410.992.9970
Suite 100 Fax 410.992.0627
Columbia, MD 21045
CEI No. 23-067 - Rev01
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SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : 06/19/2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: KNG / KGM							
DRN BY: RT / KGM							
REVIEWED BY:							
CHKD BY: KGM							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

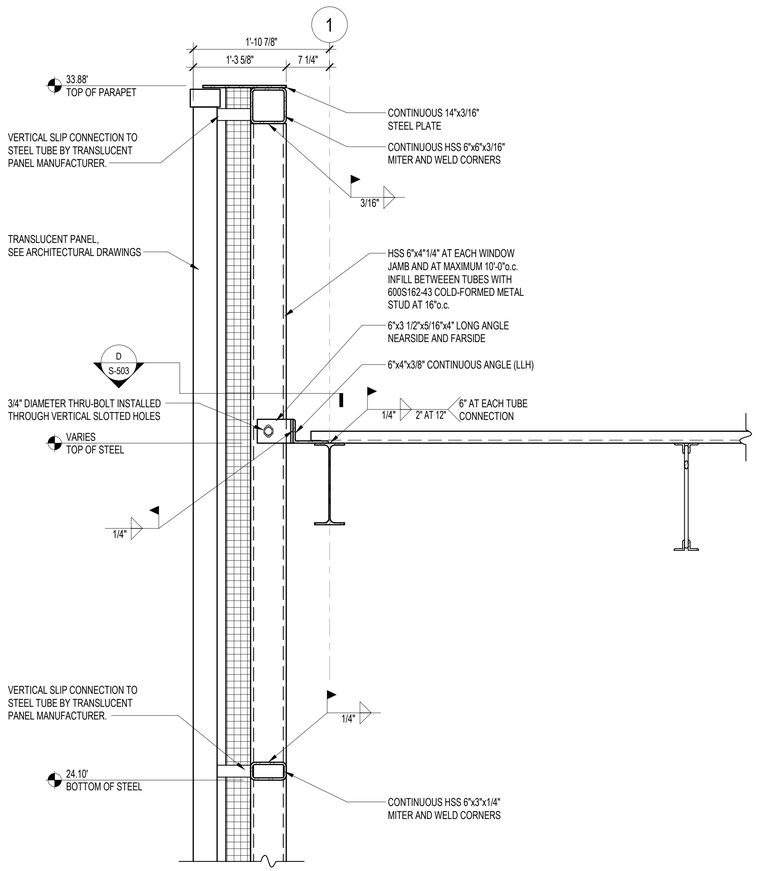
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-502	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 182 OF 302
	DRAWING NUMBER
	2024 - 1495
	FILE NO.: 8

CEI# 23-067



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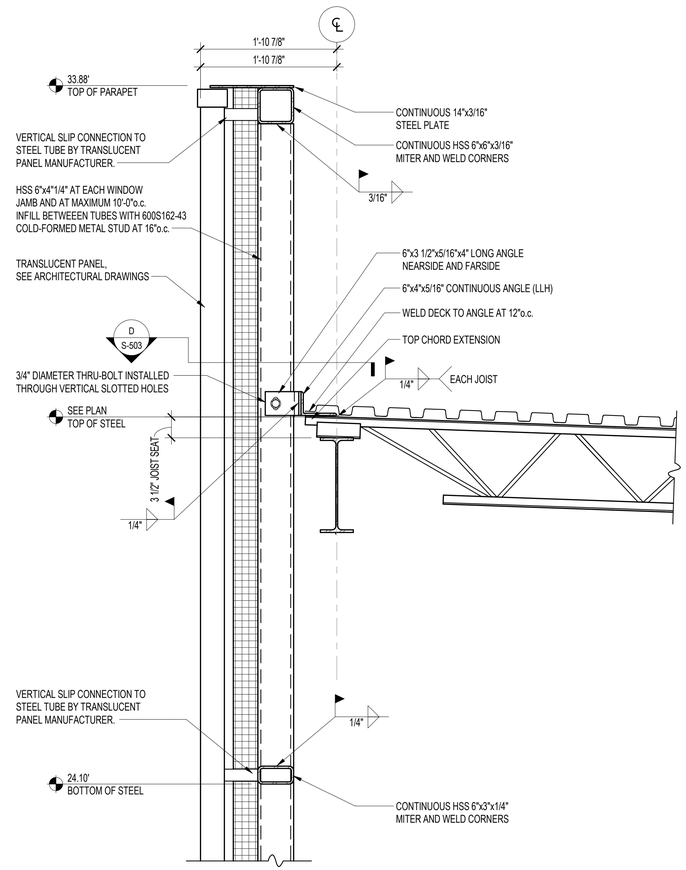

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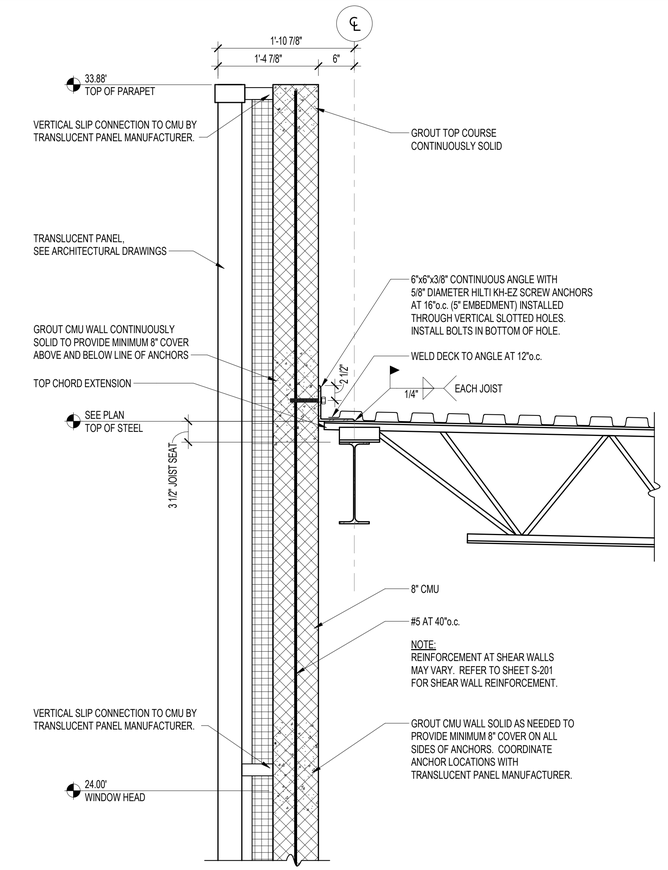

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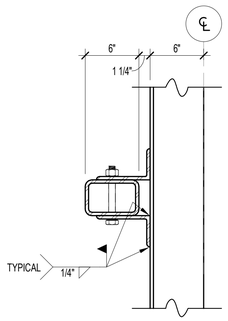

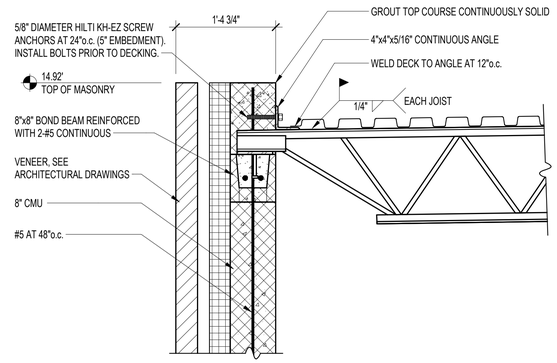

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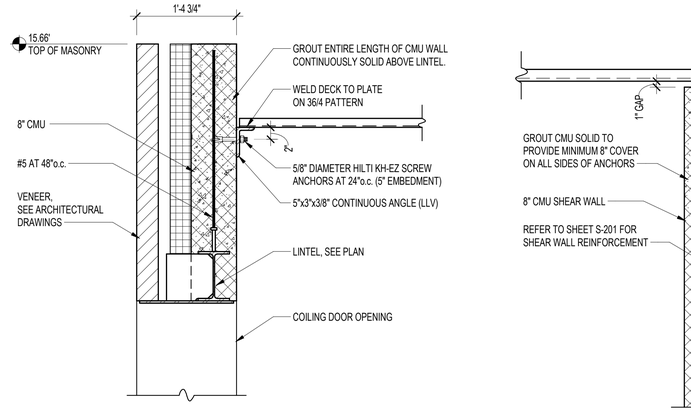
SCALE: 1 1/2" = 1'-0"

E S-503 SECTION
SCALE: 1" = 1'-0"



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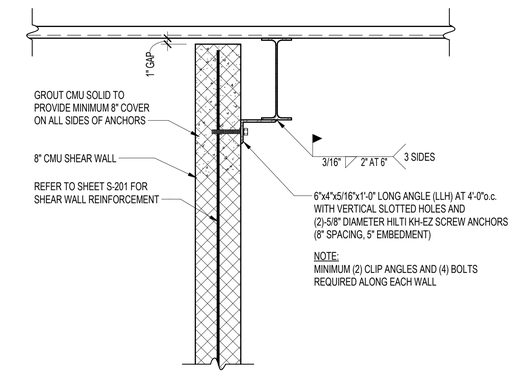

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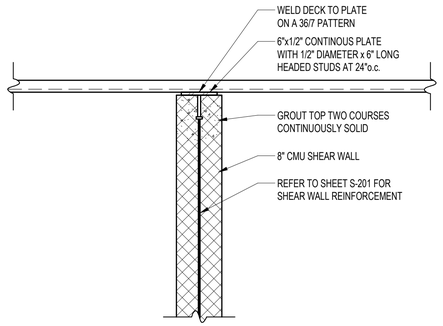
SCALE: 1" = 1'-0"



H S-503 SECTION
SCALE: 1" = 1'-0"

Columbia Engineering Inc.
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6210 Old Dobbin Lane
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SEAL
KEVIN B. McGRATH
STATE OF MARYLAND
NO. 36746
PROFESSIONAL ENGINEER
DATE: 06/19/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027
ENGINEER: Kevin McGrath, P.E.
AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

	DGN BY: KNG / KGM
	DWN BY: RT / KGM
	CHKD BY: KGM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

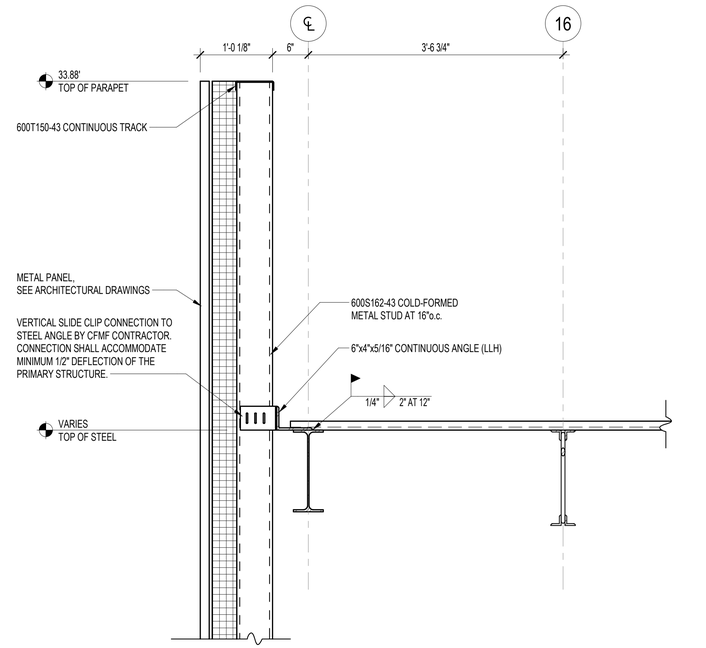
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

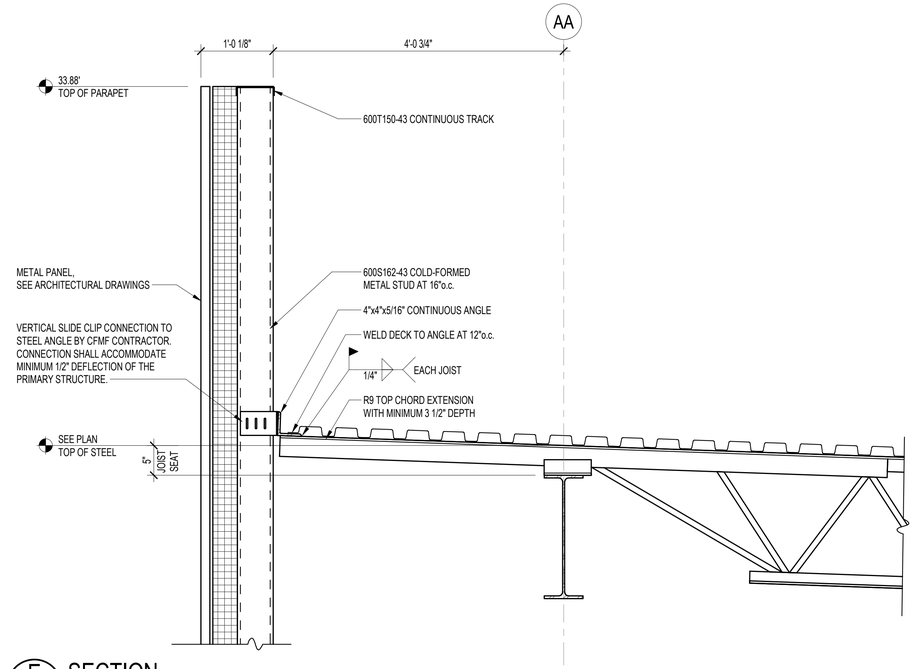
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-503	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 183 OF 302	
DRAWING NUMBER	2024 - 1496
FILE NO.: 8	REV. NO.

CEI# 23-067



D SECTION
S-504 SCALE: 1" = 1'-0"



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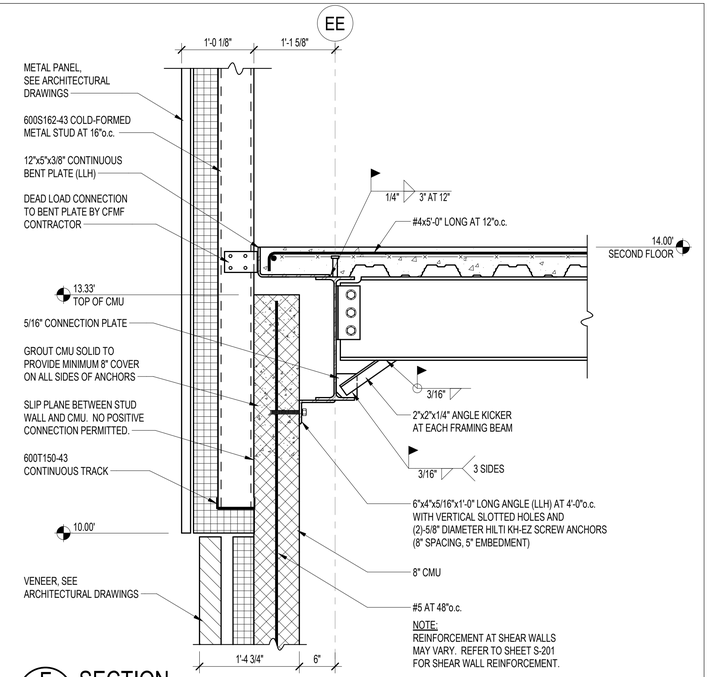

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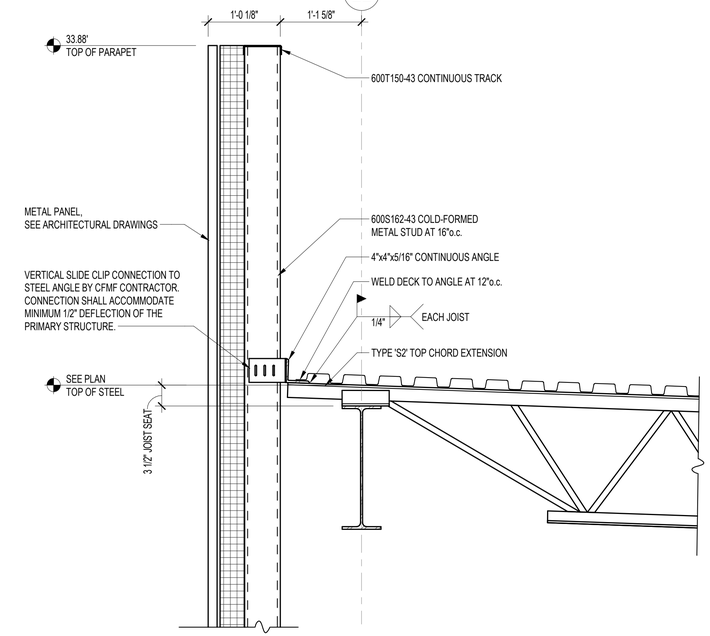
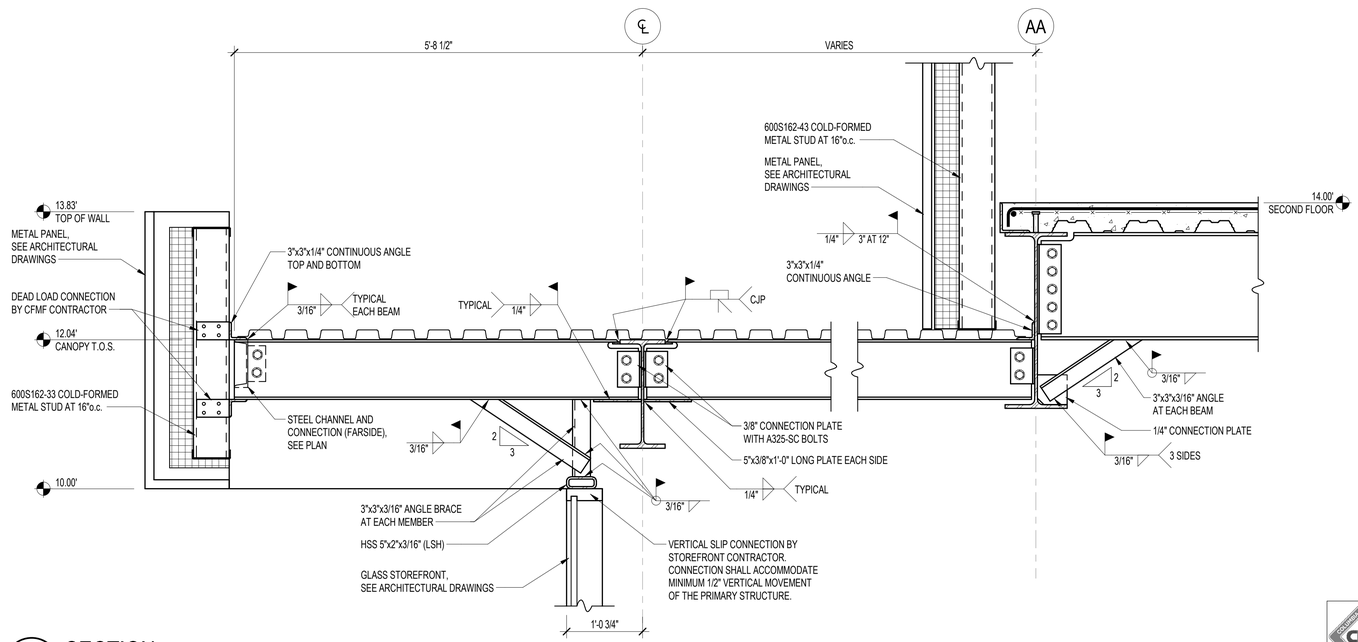
S-504 SCALE: 1" = 1'-0"



G SECTION
S-504 SCALE: 1" = 1'-0"



H SECTION
S-504 SCALE: 1" = 1'-0"

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Fax 410.992.0627
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SEAL

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE: 06/19/2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

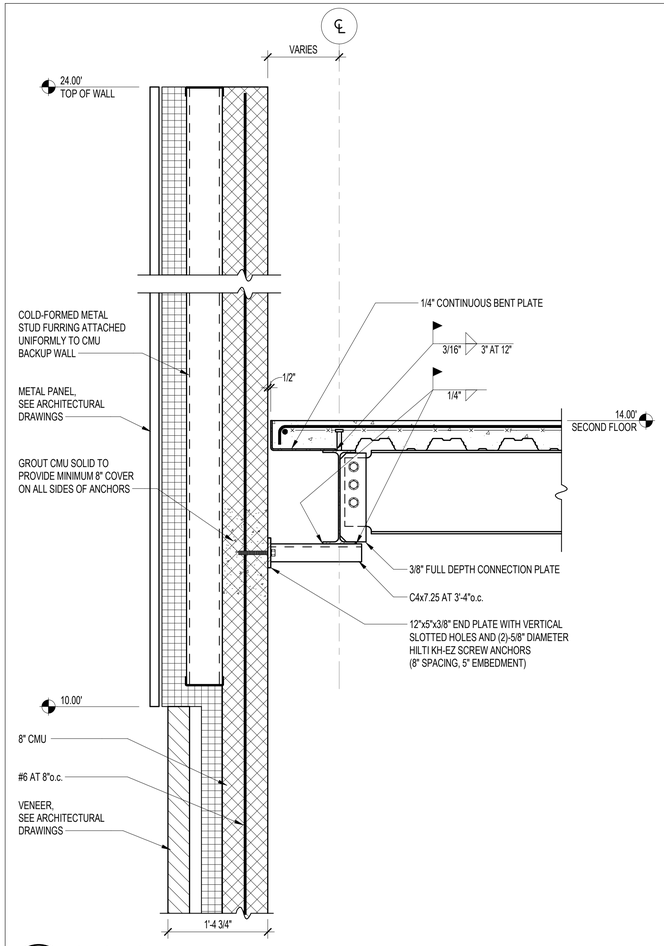
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
S-504	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 184 OF 302
	DRAWING NUMBER
	2024 - 1497
	FILE NO.: 8 REV. 00.00

CEI# 23-067



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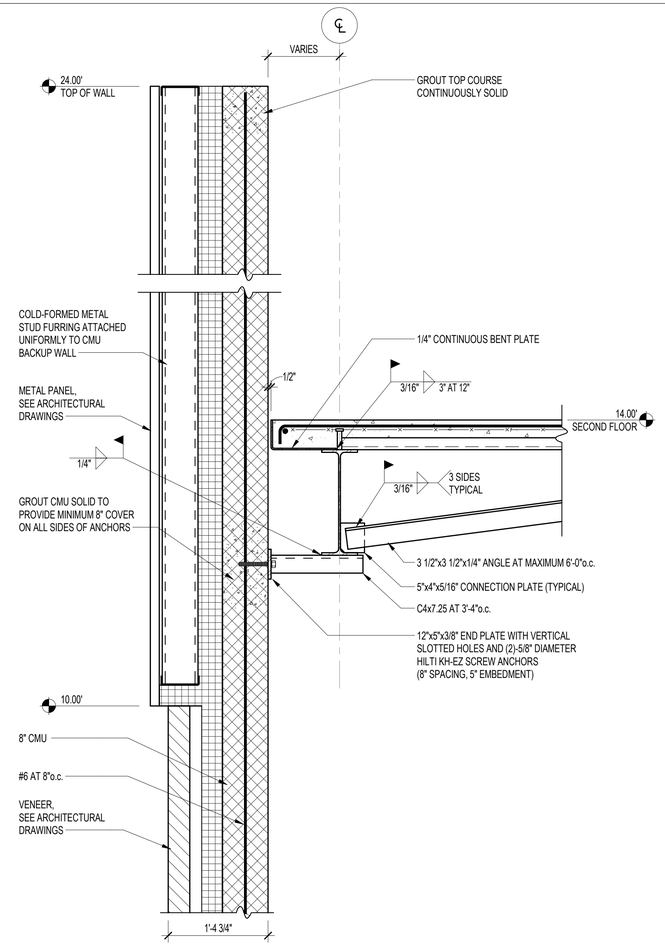
SCALE: 1" = 1'-0"



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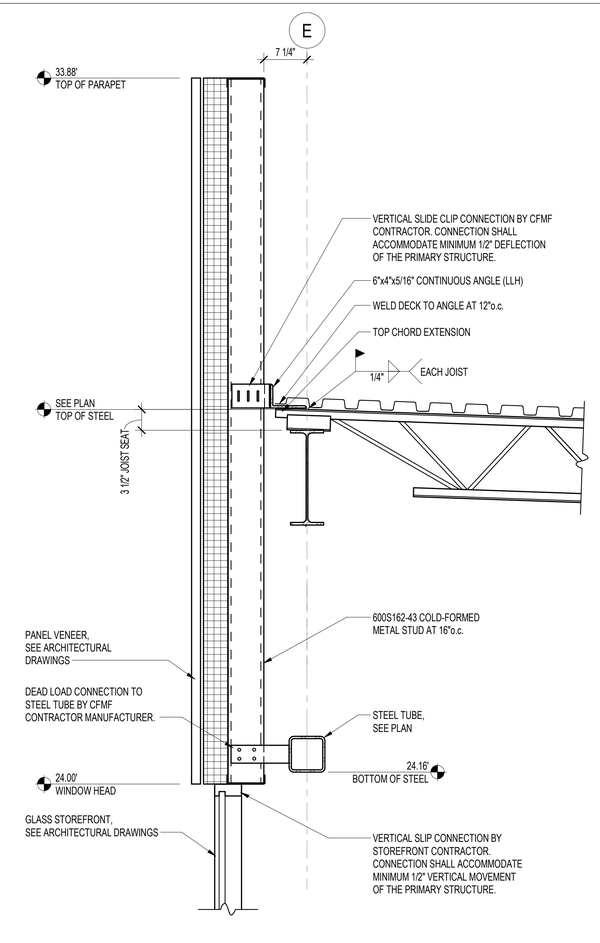
SCALE: 1" = 1'-0"



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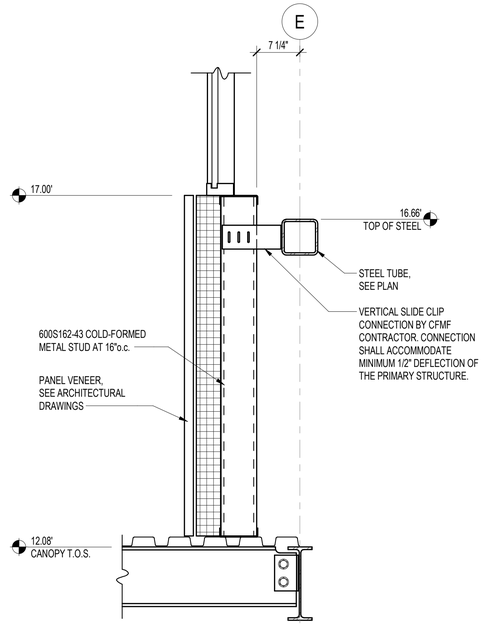

M S-505 SECTION
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · KEVIN S. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

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ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT

BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: KNG / KGM
DWN BY: RT / KGM
CHKD BY: KGM

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
Structural Engineers
6210 Old Dobbin Lane
Suite 150
Columbia, MD 21045
Tel 410.992.9979
Fax 410.992.0027

CEI No. 23-067 / Rev21
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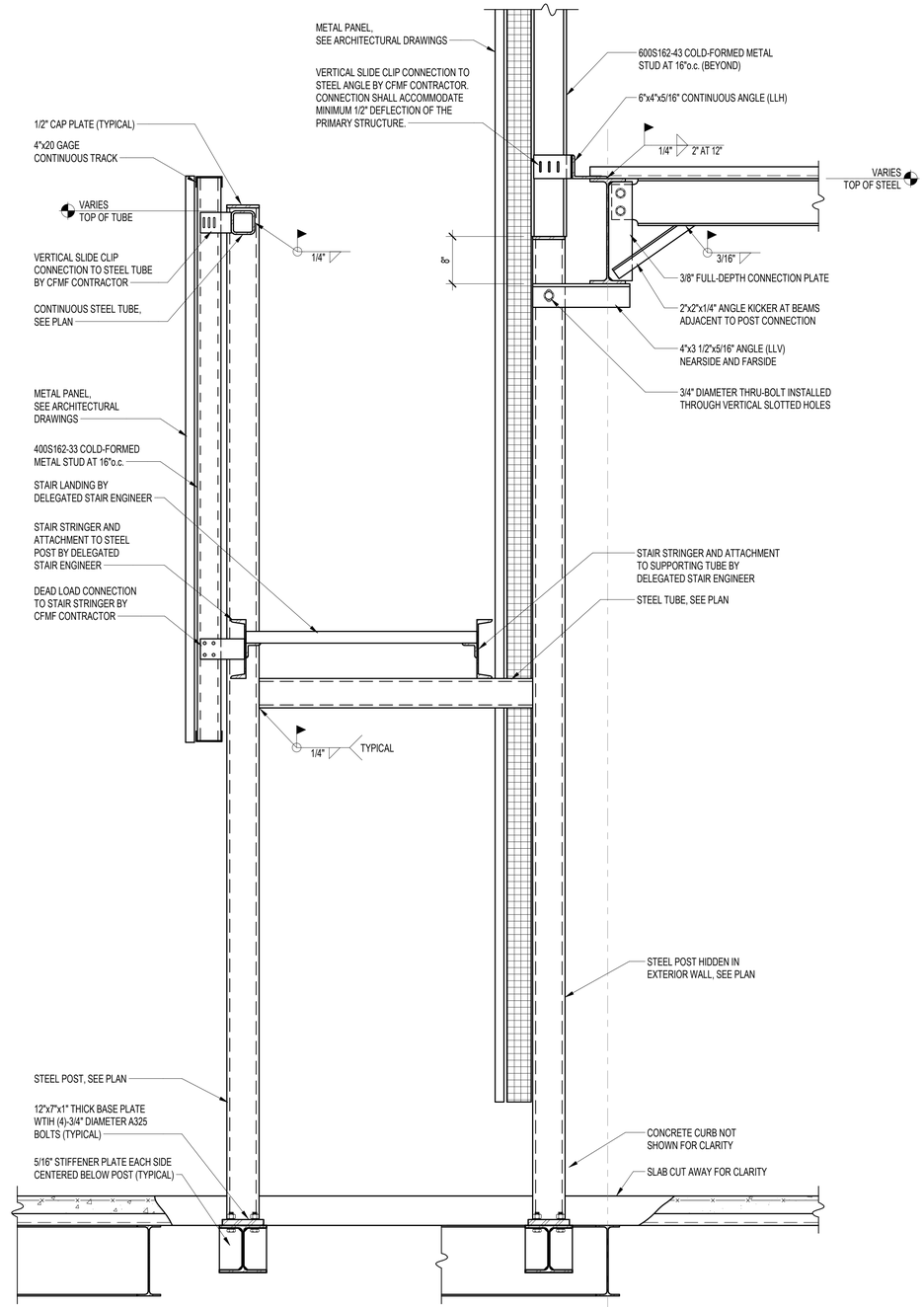
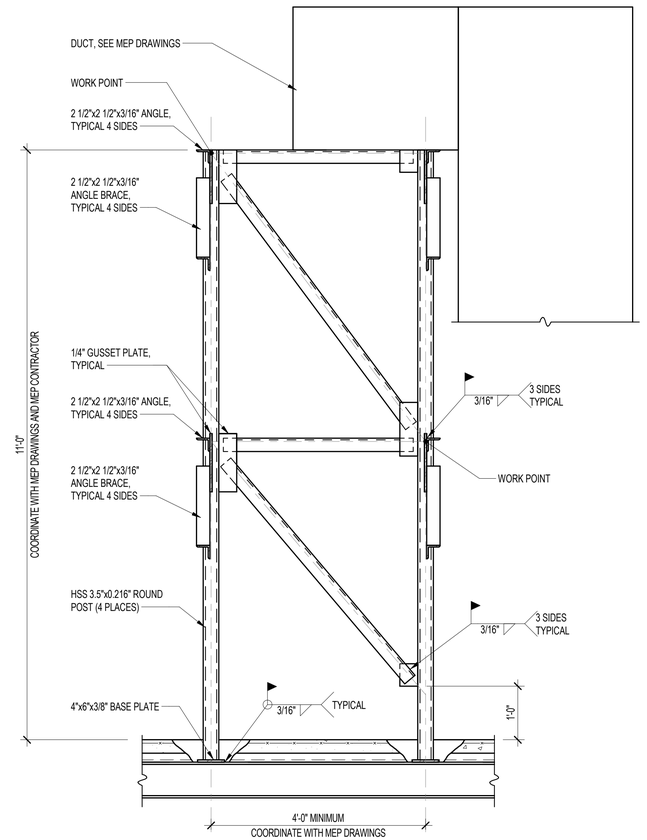
SHEET DESIGNATION	CONTRACT NUMBER
S-505	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 185 OF 302
	DRAWING NUMBER
	2024 - 1498
	FILE NO.: 8

CEI# 23-067



N S-506 SECTION
SCALE: 1" = 1'-0"



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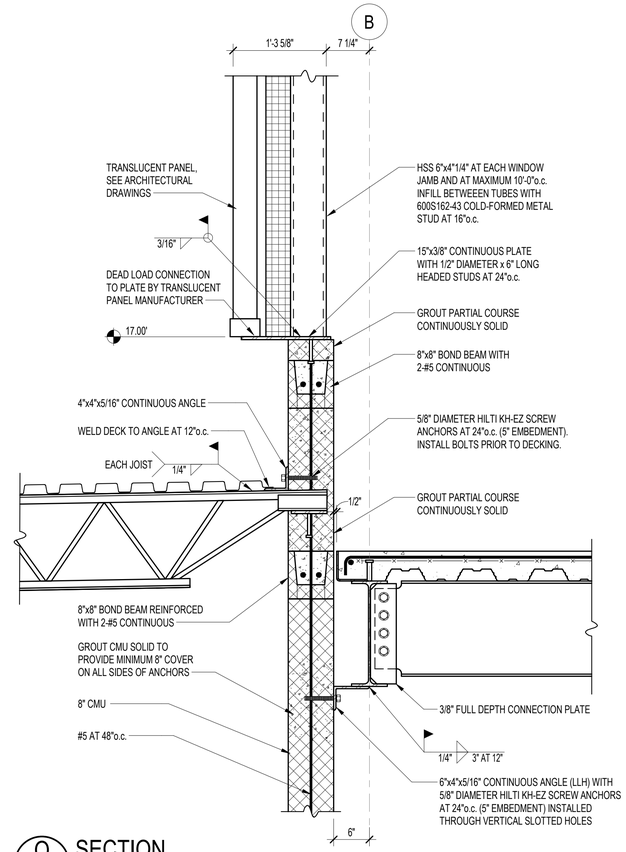

Q S-506 SECTION
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · KEVIN B. McGRATH · NO. 36746 · PROFESSIONAL ENGINEER

DATE: 06/19/2025

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					14SW19
					14SW20
			R.O.W NO.	GSW	15SW19
CONTRACT COMPLETION BOX					15SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DESIGNED BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
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6210 Old Dobbin Lane Tel 410.992.9970
Suite 150 Fax 410.992.0627
Columbia, MD 21045

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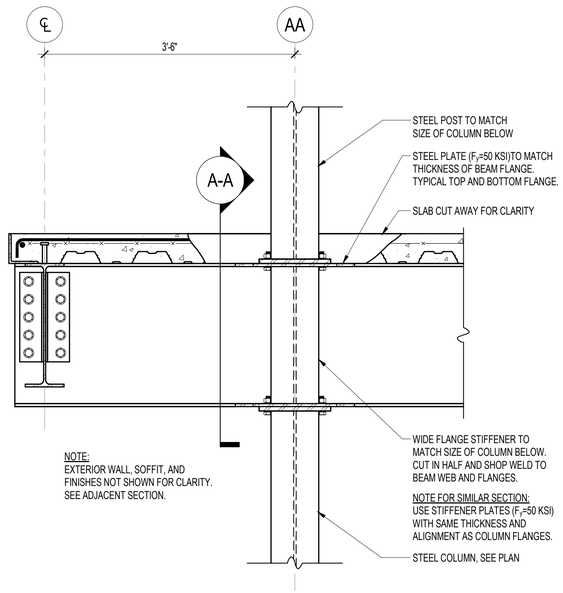
SHEET DESIGNATION	CONTRACT NUMBER
S-506	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 186 OF 302
	DRAWING NUMBER
	2024 - 1499
	FILE NO.: 8

CEI# 23-067



R S-507 **SECTION**
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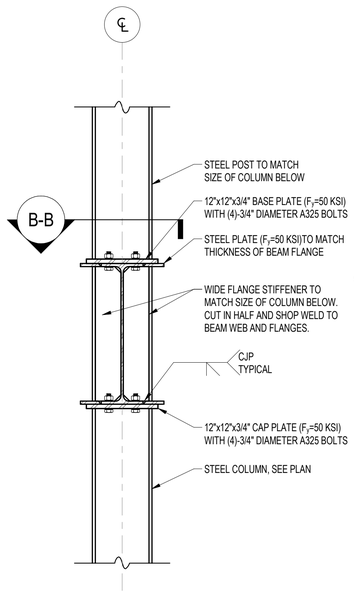
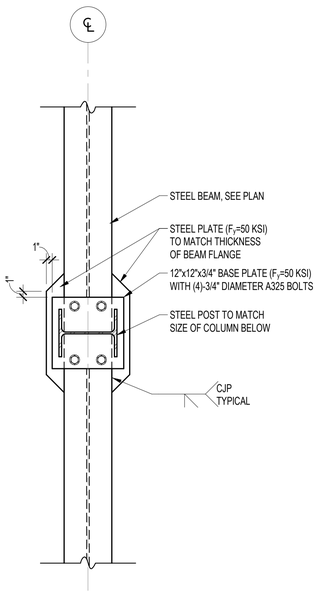
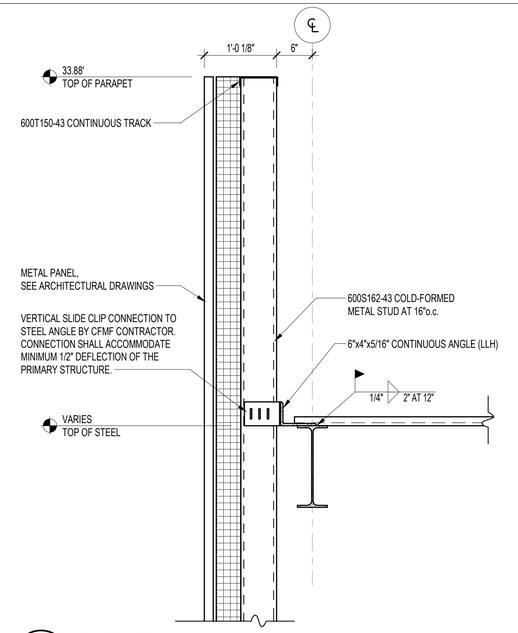


SECTION A-A



SECTION B-B



T S-507 **SECTION**
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · KEVIN G. McGRATH · No. 36746 · PROFESSIONAL ENGINEER

DATE : 06/19/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO.: 36746 EXPIRATION DATE: 01/15/2027

ENGINEER: Kevin McGrath, P.E.

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: KNG / KGM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: RT / KGM	REVIEWED BY:							
CHKD BY: KGM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECTIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

Columbia Engineering Inc.
Structural Engineers
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Suite 150
Columbia, MD 21045
Tel 410.992.9979
Fax 410.992.0527

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SHEET DESIGNATION	CONTRACT NUMBER
S-507	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 187 OF 302
	DRAWING NUMBER
	2024 - 1500
	FILE NO.: 8

CEI# 23-067

GENERAL MECHANICAL PROJECT NOTES

1. ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
2. PROVIDE ACCESS DOORS (SIZE AS SPECIFIED) IN DUCTWORK FOR EVERY FIRE DAMPER, FIRE/SMOKE DAMPER, ETC. WHETHER SHOWN OR NOT. COORDINATE ACCESS TO VOLUME DAMPERS.
3. COORDINATE THE LOCATION OF ALL AIR DEVICES WITH LIGHT FIXTURES AND THE ARCHITECT'S REFLECTED CEILING PLANS, AND DOCUMENTS.
4. COORDINATE DUCT ROUTING WITH STRUCTURAL DRAWINGS.
5. COORDINATE MOTORS AND OTHER ELECTRICAL EQUIPMENT FURNISHED UNDER MECHANICAL DIVISIONS WITH ELECTRICAL DIVISION. PROVIDE EQUIPMENT COORDINATION TABLE AS A SHOP DRAWING FOR REVIEW. TABLE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION:
   a. EQUIPMENT POWER REQUIREMENTS INCLUDING AMPS AND VOLTAGES.
   b. DISCONNECTING MEANS AND OVER CURRENT PROTECTION REQUIREMENTS.
   c. CONTROL REQUIREMENTS.
7. COORDINATE THE INSTALLATION OF LIGHTING FIXTURES WITH PIPING, DUCTWORK, AIR DEVICES, SPRINKLERS, AND EQUIPMENT BEING INSTALLED IN THE FACILITY SUCH THAT PIPING, DUCTWORK, AIR DEVICES, AND EQUIPMENT DO NOT BLOCK OR IMPEDE LIGHTING.
8. INSTALL DUCTWORK SO THAT VOLUME DAMPERS, FANS, ETC., ARE ACCESSIBLE. PROVIDE ACCESS PANELS PER SPECIFICATION REQUIREMENTS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF AND CEILING CONSTRUCTION TYPES AND DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL SIZES AND LOCATIONS.
10. LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, AND MAINTAINED IN A FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO VALVES, TRAPS, MOTORS, CONTROLLERS, DRAIN POINTS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THIS PURPOSE. COORDINATE LOCATION OF ACCESS DOORS WITH ARCHITECT. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
11. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF THERMOSTATS, HUMIDITY SENSORS, REFRIGERANT LEAK DETECTORS, ETC., SERVING EQUIPMENT WITH THE OWNER(S) AND/OR ARCHITECT.
12. FIRE STOP ALL PIPING AND DUCT PENETRATIONS THRU FIRE WALLS, PARTITIONS, AND FLOORS. PROVIDE LISTED FIRE DAMPERS IN ALL DUCTS THAT PASS THROUGH FIRE BARRIERS AND PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL, FLOOR, PARTITION AND BARRIER LOCATIONS.
13. ALL FIRE DAMPERS SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL AND SHALL BE INSTALLED SO THEY ARE FULLY ACCESSIBLE.
14. REPLACE FILTERS SERVING AIR HANDLING UNIT EQUIPMENT PRIOR TO FINAL BALANCING OF AIR DISTRIBUTION SYSTEMS.
15. PREPARE COORDINATION DRAWINGS FOR ALL INTERIOR BUILDING SYSTEMS. DRAWINGS SHALL BE ¼" = 1" - 0" SCALE. SHOW THE RELATIONSHIP OF COMPONENTS SHOWN ON SEPARATE SHOP DRAWINGS. INDICATE REQUIRED INSTALLATION SEQUENCES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL DUCTED ROOFTOP TOP UNITS, AIR HANDLING UNITS, FAN COIL UNITS, AND EXHAUST FAN INLET AND OUTLET CONNECTIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
17. PROVIDE WEATHER TIGHT WALL AND ROOF DUCT AND PIPING PENETRATIONS. ALL SEALING MATERIALS TO BE APPROVED BY ARCHITECT.
18. ROUTE DOMESTIC WATER PIPING, SPRINKLER PIPING, HVAC PIPING, ETC., IN PIPE CHASES, IN FURRED OUT WALLS AND ABOVE CEILINGS, NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT OR OWNER(S).
19. PROVIDE A BALANCING DAMPER ON ALL BRANCH DUCTS SERVING SUPPLY AIR DEVICES AND RETURN AIR DEVICES WHETHER SHOWN ON PLANS OR NOT.
20. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE NECESSARY AND REQUIRED COMPONENTS AND ACCESSORIES TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONAL AND IN COMPLIANCE WITH APPLICABLE CODES, ACCEPTED INDUSTRY STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS/RECOMMENDATIONS UPON COMPLETION OF WORK.
21. ALL DUCTWORK AND PIPING SHALL RUN AS HIGH AS POSSIBLE AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
22. ALL OUTSIDE AIR LOUVERS (INTAKE OR EXHAUST) SHALL BE FITTED WITH ½" MESH BIRD SCREENS MOUNTED BEHIND LOUVERS. ALL UNUSED PORTIONS OF OUTSIDE AIR LOUVERS (INTAKE OR EXHAUST) SHALL BE BLANKED OFF AIRTIGHT WITH 22-GAUGE GALVANIZED SHEET METAL AND 2 INCH RIGID INSULATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
23. INSTALL FAN COIL UNITS IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS PER SPECIFICATIONS.
24. DO NOT RELEASE ANY CFC OR HCFC BASED REFRIGERANT INTO THE ATMOSPHERE DURING INSTALLATION, START-UP, OR SERVICING OF NEW OR EXISTING HVAC EQUIPMENT EITHER DIRECTLY OR INDIRECTLY. UTILIZE AN APPROPRIATE REFRIGERANT PURIFICATION/RECLAMATION SYSTEM THAT IS CAPABLE OF SEPARATION AND REMOVAL OF OIL AND RESIDUAL MOISTURE, AND DOT-APPROVED CONTAINMENT OF RECOVERED REFRIGERANT.
25. ALL REFRIGERANT RELIEF DEVICES OR FUSIBLE PLUGS ON ALL SYSTEMS HAVING A REFRIGERANT CHARGE OF 100 LBS. OR GREATER SHALL DISCHARGE TO THE OUTSIDE OF THE BUILDING IN ACCORDANCE WITH APPLICABLE CODES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
26. ALL REFRIGERANT PIPING SHALL BE SIZED AND SUPPORTED/INSTALLED IN ACCORDANCE WITH APPLICABLE CODES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
34. UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS, STATIC PRESSURE SENSORS SERVING: AIR HANDLING EQUIPMENT, EXHAUST FANS OR RETURN FANS SHALL BE LOCATED AS FOLLOWS:
   a. AIR HANDLING EQUIPMENT- LOCATE 2/3 DOWNSTREAM FROM THE DISCHARGE OF THE SUPPLY FAN.
   b. EXHAUST / RETURN FANS- LOCATE SENSORS ON THE EXHAUST / RETURN DUCTWORK - 2/3 FROM THE INLETS OF EXHAUST / RETURN FANS.

LEED PROJECT NOTES

1. THIS PROJECT REQUIRES LEED SILVER CERTIFICATION UNDER LEED V4 BD+C: NEW CONSTRUCTION.

2. ALL DENSELY OCCUPIED SPACES ARE PROVIDED WITH CARBON DIOXIDE SENSORS INTERLOCKED WITH THE BAS FOR MONITORING AND ALARMS. SPACES PROVIDED WITH CARBON DIOXIDE SENSORS ARE AS FOLLOWS:
   - COMMUNITY ROOM [100]
   - ROLL CALL [101]
   - CONFERENCE/FLEX [210]
   - CONFERENCE [215]
   - FITNESS [224]

MECHANICAL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
10x8		RECTANGULAR DUCT
10"ø		ROUND DUCT
R		DUCT RISING UP
D		DUCT DROPPING DOWN
		FLEXIBLE CONNECTION DUCTWORK
	S.L.D.	DUCTWORK WITH SOUND LINING
		TURNING VANES
		SIDE WALL REGISTER
	SA	SUPPLY AIR DUCT; UP, DOWN
	RA	RETURN AIR DUCT; UP, DOWN
	EA	EXHAUST AIR DUCT; UP, DOWN
		SUPPLY AIR DIFFUSER
		RETURN AIR REGISTER OR GRILLE
		EXHAUST AIR REGISTER OR GRILLE
B	BDD	BACK DRAFT DAMPER - GRAVITY
M	MOD	MOTOR OPERATED DAMPER
	VD	VOLUME DAMPER
SD	SD	SMOKE DETECTOR - DUCT MOUNTED
CAR	CAR	CONSTANT AIRFLOW REGULATOR
	FD	FIRE DAMPER
R	CRD	CEILING RADIATION DAMPER
	UH	UNIT HEATER
UC		UNDER CUT DOOR
T		TEMPERATURE SENSOR
H		HUMIDITY SENSOR
SP		SPACE PRESSURE SENSOR
T#		TEMPERATURE SENSOR - UNIT NO. CONTROLLED
H#		HUMIDITY SENSOR - UNIT NO. CONTROLLED
CO		CARBON MONOXIDE SENSOR
NO2		NITROGEN DIOXIDE SENSOR
OCC		OCCUPANCY SENSOR
ø	DIA.	DIAMETER
#	NO.	NUMBER
	CFM	CUBIC FEET PER MINUTE
A / 150		AIR DEVICE REFERENCE SYMBOL SIZE CFM
A / X		SECTION MARKER SECTION LETTER SHEET WHERE SECTION IS SHOWN
XX		DRAWING NOTE REFERENCE SYMBOL
XX		REVISION REFERENCE SYMBOL
RL	RL	REFRIGERANT LINE
RS	RS	REFRIGERANT SUCTION
	DP, DN	ELBOW DOWN OR DROP
	UP	ELBOW UP OR RISE
		PIPE CONTINUES
		FLOW IN DIRECTION OF ARROW
		RISE OR DROP IN PIPE
		SIDE PIPE CONNECTION
		BOTTOM PIPE CONNECTION
		TOP PIPE CONNECTION

MECHANICAL LEGEND

ABBREVIATION	DESCRIPTION
A/C	AIR CONDITIONING
ADJ.	ADJUSTABLE
ALT.	ALTERNATE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
APD	AIR PRESSURE DROP
AHU	AIR HANDLING UNIT
BAS	BUILDING AUTOMATION SYSTEM
BLDG.	BUILDING
BS	BIRD SCREEN
CONT.	CONTINUATION
CU	CONDENSING UNIT
CONN.	CONNECTION
CLG.	CEILING
DTL.	DETAIL
DB	DRY BULB
DWG.	DRAWING
DN.	DOWN
EA	EXHAUST AIR
DTL.	DETAIL
DB	DRY BULB
DWG.	DRAWING
DN.	DOWN
EA	EXHAUST AIR
ESP	EXTERNAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE
ELEV.	ELEVATION
FCU	FAN COIL UNIT
FFE	FINISHED FLOOR ELEVATION
FLR.	FLOOR
HP	HORSE POWER
LF	LINEAR FEET
LAT	LEAVING AIR TEMPERATURE
MFGR.	MANUFACTURER
MBH	ONE THOUSAND BTU PER HOUR
MAX.	MAXIMUM
MIN.	MINIMUM
NO	NORMALLY OPENED
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OED	OPEN END DUCT
OA	OUTSIDE AIR
RA	RETURN AIR
REQ'D	REQUIRED
DOAS	DEDICATED OUTDOOR AIR SUPPLY
SA	SUPPLY AIR
SF	SQUARE FEET
SHT.	SHEET
SPEC.	SPECIFICATIONS
SLP	SLOPE
TYP.	TYPICAL
TAG	TRANSFER AIR GRILLE
UNO	UNLESS NOTED OTHERWISE
V/ ø /HZ	VOLTS/PHASE/HERTZ
VERT.	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WB	WET BULB

APPLICABLE CODES

YEAR	CODE
2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE
2021	INTERNATIONAL FIRE CODE
2021	NATIONAL FIRE PROTECTION ASSOCIATION CODES
2019	ASHRAE 62.1

CONTRACTOR COMMISSIONING

1. INDEPENDENT COMMISSIONING
   a. ASSIST WITH COMMISSIONING EFFORTS AS REQUIRED BY THE COMMISSIONING PLAN AND COMMISSIONING SPECIFICATIONS. REFER TO THESE DOCUMENTS FOR DETAILED INFORMATION, ROLES, AND RESPONSIBILITIES, ETC.

BAS CONNECTION TO COUNTY METASYS

1. CONTRACTOR SHALL PROVIDE CONNECTION BETWEEN BUILDING AND COUNTY CENTRAL JCI METASYS SYSTEM.
2. CONTRACTOR SHALL INCLUDE THE SERVICES OF JCI FOR THIS CONNECTION.
3. ALL POINTS SEEN THROUGH THE BUILDING AUTOMATION SYSTEM SHALL BE VISIBLE AND ADJUSTABLE THROUGH THE METASYS.

MINIMUM REFRIGERANT CONTRACTOR EXPERIENCE

1. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH MINUMUM THREE YEARS DOCUMENTED EXPERIENCE.
2. FABRICATOR OR INSTALLER: COMPANY SPECIALIZING IN PERFORMING WORK OF THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE APPROVED BY MANUFACTURER.
3. DESIGN PIPING SYSTEM AND HANGERS AND SUPPORTS UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED AT PROJECT LOCATION.

VRF MANUFACTURER TRAINING

1. VRF MANUFACTURER SHALL PROVIDE (40) HOURS OF TRAINING FOR 4 MEMBERS OF OWNER'S MAINTENANCE STAFF.

SEISMIC REQUIREMENTS

1. PROVIDE SEISMIC BRACING FOR ALL MECHANICAL, PLUMBING, AND LIFE-SAFETY SYSTEMS. THIS INCLUDES FIRE PROTECTION SYSTEMS; DUCTWORK, PIPING, EQUIPMENT, ETC.

SUBSTANTIAL COMPLETION

1. MECHANICAL AND ELECTRICAL SYSTEMS ARE NOT SUBSTANTIALLY COMPLETE UNTIL ALL SYSTEMS ARE STARTED, TESTED, BALANCED, AND O&M'S ARE RECEIVED BY THE OWNER.
2. THESE ITEMS NOTED ABOVE MUST BE COMPLETE IN TIME FOR THE SYSTEMS DEMONSTRATIONS TO OWNER WITH ALL O&M'S MANUALS IN HAND AT TIME OF DEMONSTRATION.
3. PROVIDE SYSTEM DEMONSTRATION AND TRAINING FOR OWNER PERSONNEL FOR EACH SYSTEM. PROVIDE 8 HOURS OF SYSTEM DEMONSTRATION AND 8 HOURS OF OPERATIONS TRAINING FOR EACH SYSTEM.
4. PUNCHLIST ITEMS SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
5. ON SEASON COMMISSIONING SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
6. START OF ALL WARRANTIES TO BEGIN ON DATE OF SUBSTANTIAL COMPLETION.

MECHANICAL DRAWING INDEX

Sheet Number	Sheet Name
M001	MECHANICAL COVERSHEET
M002	MECHANICAL COVERSHEET
M201	FIRST FLOOR - MECHANICAL - WING A
M202	FIRST FLOOR - MECHANICAL - WING B
M203	SECOND FLOOR - MECHANICAL - WING A
M204	SECOND FLOOR - MECHANICAL - WING B
M205	FIRST FLOOR - MECHANICAL PIPING AND ATC - WING A
M206	FIRST FLOOR - MECHANICAL PIPING AND ATC - WING B
M207	SECOND FLOOR - MECHANICAL PIPING AND ATC - WING A
M208	SECOND FLOOR - MECHANICAL PIPING AND ATC - WING B
M301	PART PLANS - MECHANICAL
M302	PART PLANS - MECHANICAL
M401	REFRIGERANT RISERS
M601	MECHANICAL CONTROLS
M602	MECHANICAL CONTROLS
M603	MECHANICAL CONTROLS
M701	MECHANICAL DETAILS
M702	MECHANICAL DETAILS
M703	MECHANICAL DETAILS
M801	MECHANICAL SCHEDULES
M802	MECHANICAL SCHEDULES
M803	MECHANICAL SCHEDULES

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central R21_mscottRSHQP.rvt

SEAL: STATE OF MARYLAND — MICHAEL RYAN SCOTT — 31288 — REGISTERED PROFESSIONAL ENGINEER

DATE : 7/14/2025 7:36:48 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT — DRN BY: MRS

BY: DATE: — CHKD BY: AL

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE — PLAN SCALE: NONE — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL COVERSHEET

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
M001	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 188 OF 302	
DRAWING NUMBER	2024 – 1501
FILE NO.: 8	REV. 0.0.0

Wilkens Police Precinct Ventilation Table (DOAS-1)

ASHRAE 62.1-2019 Ventilation Rate Procedure Calculation

1A	1B	1C	1D	1E	1F	1G	1H	2A	2B	2C	2D	2E	4A	4B	6A	6B	6C	6E	7E
		ASHRAE 62.1 Table 6-1						OA					EA Min (Table 6-2)		Balancing Schedule				
			Rp	Ra		Az	Pz			Vbz	Ez	Voz							
Space #	Space Name	Occupancy Category	CFM/ Person	CFM/ SF	People/ 1000 SF	Area (SF)	People	People CFM	Area CFM	Breathing Zone CFM	Air Dist.	Space OA CFM	CFM/ SF	Space EA CFM	Space #	Space Name	Design OA CFM	Design EA CFM	Notes
[001]	Vest. [001]														[001]	Vest. [001]	0	0	
[002]	Lobby [002]	Public Assembly: Lobby	5	0.06	10	748	8	40	45	85	0.8	110	0.00	0	[002]	Lobby [002]	110	0	
[003]	Cord. [003]	General: Corridor	0	0.06	0	1446	0	0	87	87	0.8	110	0.00	0	[003]	Cord. [003]	110	0	
[004]	Cord. [004]	General: Corridor	0	0.06	0	1178	0	0	71	71	0.8	90	0.00	0	[004]	Cord. [004]	90	0	
[005]	Cord. [005]	General: Corridor	0	0.06	0	316	0	0	19	19	0.8	30	0.00	0	[005]	Cord. [005]	30	0	w/ Front Desk [128]
[006]	Cord. [006]	General: Corridor	0	0.06	0	685	0	0	42	42	0.8	60	0.00	0	[006]	Cord. [006]	60	0	
[007]	Cord. [007]	General: Corridor	0	0.06	0	1188	0	0	72	72	0.8	90	0.00	0	[007]	Cord. [007]	90	0	
[008]	Cord. [008]	General: Corridor	0	0.06	0	1156	0	0	70	70	0.8	90	0.00	0	[008]	Cord. [008]	90	0	
[009]	Lounge [009]	General: Break Room	5	0.06	25	370	10	50	23	73	0.8	100	0.00	0	[009]	Lounge [009]	100	0	
[100.1]	Furn. Stor. [100.1]	Office: Occupiable Storage, Dry	5	0.06	2	110	1	5	7	12	0.8	20	0.00	0	[100.1]	Furn. Stor. [100.1]	20	40	
[100]	Community Room [100]	Education: Class Room (Age 9+)	10	0.12	35	812	29	290	98	388	0.8	490	0.00	0	[100]	Community Room [100]	490	400	
[101]	Roll Call [101]	Education: Class Room (Age 9+)	10	0.12	35	602	22	220	73	293	0.8	370	0.00	0	[101]	Roll Call [101]	370	300	
[102]	Storage [102]	Office: Occupiable Storage, Dry	5	0.06	2	126	1	5	8	13	0.8	20	0.00	0	[102]	Storage [102]	20	40	
[103]	Supervisor [103]	Office: Office Space	5	0.06	5	148	1	5	9	14	0.8	20	0.00	0	[103]	Supervisor [103]	20	20	
[104]	Shift Leaders [104]	Office: Office Space	5	0.06	5	474	3	15	29	44	0.8	60	0.00	0	[104]	Shift Leaders [104]	60	40	
[105]	Supervisor [105]	Office: Office Space	5	0.06	5	149	1	5	9	14	0.8	20	0.00	0	[105]	Supervisor [105]	20	20	
[106]	Shift Leaders [106]	Office: Office Space	5	0.06	5	509	3	15	31	46	0.8	60	0.00	0	[106]	Shift Leaders [106]	60	60	
[107]	File/Worm Rm [107]	Office: Office Space	5	0.06	5	118	1	5	8	13	0.8	20	0.00	0	[107]	File/Worm Rm [107]	20	0	
[108]	Shift Leaders [108]	Office: Office Space	5	0.06	5	477	3	15	29	44	0.8	60	0.00	0	[108]	Shift Leaders [108]	60	50	
[109]	Supervisor [109]	Office: Office Space	5	0.06	5	148	1	5	9	14	0.8	20	0.00	0	[109]	Supervisor [109]	20	20	
[110]	Storage [110]														[110]	Storage [110]	0	0	
[111]	Wellness [111]	Office: Office Space	5	0.06	5	70	1	5	5	10	0.8	20	0.00	0	[111]	Wellness [111]	20	0	
[112]	Toilet [112]	Restroom	0	0	0	82	0	0	0	0	0.8	0	0.00	75	[112]	Toilet [112]	50	100	
[113]	Main Elec. [113]														[113]	Main Elec. [113]	200	200	
[114]	Emergency Elec. [114]														[114]	Emergency Elec. [114]	100	100	
[115]	Armory [115]	Office: Occupiable Storage, Dry	5	0.06	2	628	2	10	38	48	0.8	60	0.00	0	[115]	Armory [115]	60	100	
[116]	G.C. [116]	Office: Office Space	5	0.06	5	93	1	5	6	11	0.8	20	0.00	0	[116]	G.C. [116]	20	0	
[117]	Gear [117]	Office: Occupiable Storage, Dry	5	0.06	2	498	1	5	30	35	0.8	50	0.00	0	[117]	Gear [117]	50	50	
[118]	Mech [118]						0	0	0	0	1	0	0.00	0	[118]	Mech [118]	0	0	
[119]	IT [119]														[119]	IT [119]	0	0	
[120]	Report Writing [120]	Office: Office Space	5	0.06	5	332	2	10	20	30	0.8	40	0.00	0	[120]	Report Writing [120]	40	40	
[121]	Eviden. Proc. [121]	Office: Office Space	5	0.06	5	259	2	10	16	26	0.8	40	0.00	0	[121]	Eviden. Proc. [121]	40	100	
[123]	Int. [123]	General: Conference/Meeting	5	0.06	50	113	6	30	7	37	0.8	50	0.00	0	[123]	Int. [123]	50	50	
[124]	Int. [124]	General: Conference/Meeting	5	0.06	50	101	6	30	7	37	0.8	50	0.00	0	[124]	Int. [124]	50	50	
[125]	Rest. [125]	Restroom	0	0	0	88	0	0	0	0	0.8	0	0.00	75	[125]	Rest. [125]	50	100	
[126]	Rest. [126]	Restroom	0	0	0	115	0	0	0	0	0.8	0	0.00	75	[126]	Rest. [126]	50	100	
[127]	Off. Supply [127]	Office: Occupiable Storage, Dry	5	0.06	5	107	1	5	7	12	0.8	20	0.00	0	[127]	Off. Supply [127]	20	0	
[128]	Front Desk [128]	Office: Office Space	5	0.06	5	231	2	10	14	24	0.8	30	0.00	0	[128]	Front Desk [128]	30	0	w/ Cord. [005]
[129]	F. Pen. [129]	Correctional Facility: Cell	5	0.12	25	274	7	35	33	68	0.8	90	0.00	150	[129]	F. Pen. [129]	90	150	
[130]	Toilet [130]	Restroom	0	0	0	67	0	0	0	0	0.8	0	0.00	75	[130]	Toilet [130]	50	100	
[131]	J.C. [131]	Restroom	0	0	0	72	0	0	0	0	0.8	0	1.00	80	[131]	J.C. [131]	50	100	
[132]	Hold [132]	Correctional Facility: Cell	5	0.12	25	73	2	10	9	19	0.8	30	1.00	80	[132]	Hold [132]	36	100	FCU-1.05, Mixed Air
[133]	Temp [133]	Correctional Facility: Cell	5	0.12	25	73	2	10	9	19	0.8	30	1.00	80	[133]	Temp [133]	36	100	FCU-1.05, Mixed Air
[134]	Int [134]	Correctional Facility: Cell	5	0.12	25	129	4	20	16	36	0.8	50	0.00	0	[134]	Int [134]	80	0	FCU-1.05, Mixed Air
[135]	F Proc. [135]	Correctional Facility: Cell	5	0.12	25	257	7	35	31	66	0.8	90	0.00	0	[135]	F Proc. [135]	160	0	FCU-1.05, Mixed Air
[136]	ADA Toilet [136]	Restroom	0	0	0	111	0	0	0	0	0.8	0	0.00	100	[136]	ADA Toilet [136]	50	100	
[137]	Proc. Area [137]	Correctional Facility: Cell	5	0.12	25	290	8	40	35	75	0.8	100	0.00	0	[137]	Proc. Area [137]	180	0	FCU-1.05, Mixed Air
[137.3]	Mats [137.3]	Office: Occupiable Storage, Dry	5	0.06	5	107	1	5	7	12	0.8	20	0.00	0	[137.3]	Mats [137.3]	20	0	FCU-1.05, Mixed Air
[138]	Stp Srch [138]	Correctional Facility: Cell	5	0.12	25	93	3	15	12	27	0.8	40	1.00	100	[138]	Stp Srch [138]	40	100	FCU-1.05, Mixed Air
[139]	Intox [139]	Correctional Facility: Cell	5	0.12	25	100	3	15	12	27	0.8	40	1.00	100	[139]	Intox [139]	42	100	FCU-1.04, Mixed Air
[140]	M Proc [140]	Correctional Facility: Cell	5	0.12	25	245	7	35	30	65	0.8	90	0.00	0	[140]	M Proc [140]	178	0	FCU-1.04, Mixed Air
[141]	Temp [141]	Correctional Facility: Cell	5	0.12	25	100	3	15	12	27	0.8	40	1.00	100	[141]	Temp [141]	42	100	FCU-1.04, Mixed Air
[142]	Int [142]	Correctional Facility: Cell	5	0.12	25	126	4	20	16	36	0.8	50	0.00	0	[142]	Int [142]	84	0	FCU-1.04, Mixed Air
[143]	Int [143]	Correctional Facility: Cell	5	0.12	25	82	3	15	10	25	0.8	40	0.00	0	[143]	Int [143]	42	0	FCU-1.04, Mixed Air
[144]	Hold [144]	Correctional Facility: Cell	5	0.12	25	78	2	10	10	20	0.8	30	1.00	80	[144]	Hold [144]	42	100	FCU-1.04, Mixed Air
[145]	Hold [145]	Correctional Facility: Cell	5	0.12	25	78	2	10	10	20	0.8	30	1.00	80	[145]	Hold [145]	42	100	FCU-1.04, Mixed Air
[146]	Hold [146]	Correctional Facility: Cell	5	0.12	25	57	2	10	7	17	0.8	30	1.00	60	[146]	Hold [146]	42	100	FCU-1.04, Mixed Air
[148]	M. Pen. [148]	Correctional Facility: Cell	5	0.12	25	452	12	60	55	115	0.8	150	0.00	150	[148]	M. Pen. [148]	150	150	
[149]	Control Desk [149]	Office: Office Space	5	0.06	5	242	2	10	15	25	0.8	40	0.00	0	[149]	Control Desk [149]	40	0	
[201]	Storage [201]	Office: Occupiable Storage, Dry	5	0.06	2	132	1	5	8	13	0.8	20	0.00	0	[201]	Storage [201]	20	40	
[202]	Investigative Service [202]	Office: Office Space	5	0.06	5	455	3	15	28	43	0.8	60	0.00	0	[202]	Investigative Service [202]	60	50	
[203]	Office [203]	Office: Office Space	5	0.06	5	153	1	5	10	15	0.8	20	0.00	0	[203]	Office [203]	20	20	
[204]	Office [204]	Office: Office Space	5	0.06	5	151	1	5	10	15	0.8	20	0.00	0	[204]	Office [204]	20	20	
[205]	Office Supply [205]	Office: Office Space	5	0.06	5	202	2	10	13	23	0.8	30	0.00	0	[205]	Office Supply [205]	30	0	
[206]	Records [206]	Office: Occupiable Storage, Dry	5	0.06	2	155	1	5	10	15	0.8	20	0.00	0	[206]	Records [206]	20	20	
[207]	Traffic/BPI [207]	Office: Office Space	5	0.06	5	478	3	15	29	44	0.8	60	0.00	0	[207]	Traffic/BPI [207]	60	60	
[208]	Office [208]	Office: Office Space	5	0.06	5	192	1	5	12	17	0.8	30	0.00	0	[208]	Office [208]	20	20	
[209]	Break Rm. [209]	General: Break Room	5	0.06	25	439	11	55	27	82	0.8	110	0.30	140	[209]	Break Rm. [209]	110	140	
[210]	Conference/Flex [210]	General: Conference/Meeting	5	0.06	50	252	13	65	16	81	0.8	110	0.00	0	[210]	Conference/Flex [210]	90	90	
[211]	Cap. Suite [211]	Office: Office Space	5	0.06	5	659	4	20	40	60	0.8	80	0.00	0	[211]	Cap. Suite [211]	80	0	
[213]	Office [213]	Office: Office Space	5	0.06	5	166	1	5	10	15	0.8	20	0.00	0	[213]	Office [213]	20	0	
[215]	Conference [215]	General: Conference/Meeting	5	0.06	50	296	15	75	18	93	0.8	120	0.00	0	[215]	Conference [215]	120	100	
[216]	Captain's Office [216]	Office: Office Space	5	0.06	5	481	3	15	29	44	0.8	60	0.00	0	[216]	Captain's Office [216]	60	0	
[216.1]	Capt. Toilet [216.1]	Restroom	0	0	0	156	0	0	0	0	0.8	0	0.00	75	[216.1]	Capt. Toilet [216.1]	50	100	
[217]	C.A.T. [217]	Office: Office Space	5	0.06	5	460	3	15	28	43	0.8	60	0.00	0	[217]	C.A.T. [217]	60	80	
[218]	Office [218]	Office: Office Space	5	0.06	5	173	1	5	11	16	0.8	20	0.00	0	[218]	Office [218]	20	20	
[219]	Out./SRO/DVC [219]	Office: Office Space	5	0.06	5	522	3	15	32	47	0.8	60	0.00	0	[219]	Out./SRO/DVC [219]	60	60	
[220]	Office [220]	Office: Office Space	5	0.06	5	148	1	5	9	14	0.8	20	0.00	0	[220]	Office [220]	20	20	
[221]	Storage [221]	Office: Occupiable Storage, Dry	5	0.06	2	36	1	5	3	8	0.8	10	0.00	0	[221]	Storage [221]	20	0	
[222]	Toilet [222]	Restroom	0	0	0	81	0	0	0	0	0.8	0	0.00	75	[222]	Toilet [222]	50	100	
[223]	IT [223]														[223]	IT [223]	0	0	
[224]	Fitness [224]	Sports: Health Club/Weight Room	20	0.06	10	832	9	180	50	230	0.8	290	0.00	0	[224]	Fitness [224]	290	250	
[225]	J.C. [225]	Janitor Closet	0	0	0	53	0	0	0	0	0.8	0	1.00	60	[225]	J.C. [225]	50	100	
[226]	Stor. [226]	Office: Occupiable Storage, Dry	5	0.06	2	81	1	5	5	10	0.8	20	0.00	0	[226]	Stor. [226]	20	0	
[227]	Wellness [227]	Office: Office Space	5	0.06	5	94	1	5	6	11	0.8	20	0.00	0	[227]	Wellness [227]	20	0	
[228]	Gend. Locker Rm [228]	Locker Room	5	0.06	5	388	2	10	24	34	0.8	50	0.50	200	[228]	Gend. Locker Rm [228]	180	260	9 Lockers
[229]	Women's Locker Rm [229]	Locker Room	5	0.06	5	1302	7	35	79	114	0.8	150	0.50	660	[229]	Women's Locker Rm [229]	580	640	56 Lockers
[230]	Men's Locker Rm [230]	Locker Room	5	0.06	5	2261	12	60	136	196	0.8	250	0.50	1140	[230]	Men's Locker Rm [230]	900	1190	124 Lockers
T	Total					27381	212			2441		3340		3810			7000	6760	

	Calculated

Design OA CFM	Design EA CFM
7000	6760

VRF System CU-1.2 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-1.08A/B/C	Cord. [004]	Ceiling Cassette	60	0.026	1	1327	9	11943	310.518	Yes
FCU-1.09	Mud Rm. [004.2]	Ceiling Cassette				1327	9	11943	310.518	Yes
FCU-1.10	Report Writing [120]	Ceiling Cassette				291	9	2619	68.094	Yes
FCU-1.11A/B	Evid. Proc. [121]	Ceiling Cassette				327	9	2943	76.518	Yes
FCU-1.13	Mech. [118]	Ceiling Cassette				511	12	6132	159.432	Yes
FCU-1.14A/B	Int. [123]	Ceiling Cassette				102	9	918	23.868	No
	Int. [124]					93	9	837	21.762	No
FCU-1.15	Gear [117]	Ceiling Concealed				465	9	4185	108.81	Yes
FCU-1.16A/B	Armory [115]	Ceiling Cassette				589	10	5890	153.14	Yes
			MINIMUM VOLUME OF SYSTEM					837		
			Refrigerant Leak Detection Required							

VRF System CU-1.1 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-1.01	M. Pen. [148]	Vertical Ducted	87.7	0.026	0.5	406	10	4060	52.78	No
FCU-1.02	Control Desk [149]	Ceiling Cassette			1	223	9	2007	26.091	No
FCU-1.03	F. Pen [129]	Vertical Ducted			0.5	248	10	2480	32.24	No
FCU-1.04	Intox [139]	Vertical Ducted			0.5	76	9	684	94.77	Yes
	M Proc. [140]					242	9	2178		
	Temp [141]					76	9	684		
	Int/Bail [142]					147	9	1323		
	Int [143]					71	9	639		
	Hold [144]					60	9	540		
	Hold [145]					69	9	621		
	Hold [146]					69	9	621		
FCU-1.05	Hold [132]	Vertical Ducted			0.5	60	9	540	94.536	Yes
	Temp [133]					60	9	540		
	Int/Bail [134]					133	9	1197		
	F Proc. [135]					186	9	1674		
	Proc. Area [137]					297	9	2673		
	Stp Srch [138]					72	9	648		
FCU-1.06A/B/C	Cord. [006]	Ceiling Cassette			1	610	8.5	5185	134.81	Yes
FCU-1.07	Front Desk [128]	Ceiling Cassette			1	480	10	4800	124.8	Yes
			MINIMUM VOLUME OF SYSTEM					540		
			Refrigerant Leak Detection Required							

VRF System CU-1.3 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-1.17A/B/C	Cord. [003]	Ceiling Cassette	61.65	0.026	1	1386	9	12474	324.324	Yes
FCU-1.18	Community Rm [100]	Vertical Ducted				753	10	7530	195.78	Yes
FCU-1.19	Roll Call [101]	Vertical Ducted				558	10	5580	145.08	Yes
FCU-1.20	Cord. [003.1]	Ceiling Cassette				1386	10	13860	360.36	Yes
FCU-1.21	Shift Leaders-A [104]	Ceiling Concealed				573	10	5730	148.98	Yes
	Supervisor [103]									
FCU-1.22	Supervisor [105]	Ceiling Concealed				570	10	5700	148.2	Yes
	Shift Leaders-B [106]									
FCU-1.23	Shift Leaders-C [108]	Ceiling Concealed				601	10	6010	156.26	Yes
FCU-1.23	Supervisor [109]									
			MINIMUM VOLUME OF SYSTEM					5580		
			Refrigerant Leak Detection Required							

VRF System CU-2.1 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-2.01	Captain's Office [216]	Ceiling Concealed	61.65	0.026	1	389	10	3890	101.14	Yes
FCU-2.02	Conference [215]	Ceiling Concealed				212	10	2120	55.12	No
FCU-2.03	Break Rm [209]	Ceiling Concealed				386	10	3860	100.36	Yes
FCU-2.04	Conference/Flex [210]	Ceiling Concealed				267	10	2670	69.42	Yes
FCU-2.05	Cap. Suite [211]	Ceiling Concealed				954	10	9540	248.04	Yes
	Office [213]									
FCU-2.06	Traffic/BPI [207]	Ceiling Concealed				626	10	6260	162.76	Yes
	Office [208]									
FCU-2.07	Office Supply [209]	Ceiling Cassette				1137	10	11370	295.62	Yes
			MINIMUM VOLUME OF SYSTEM					2120		
			Refrigerant Leak Detection Required							

VRF System CU-2.2 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-2.08A/B/C	Cord. [007]	Ceiling Cassette	57.95	0.026	1	1137	10	11370	295.62	Yes
FCU-2.09	C.A.T. [217]	Ceiling Concealed				575	10	5750	149.5	Yes
	Office [218]									
FCU-2.10	Invest. Service [202]	Ceiling Concealed				780	10	7800	202.8	Yes
	Office [203]									
	Records [206]									
FCU-2.11	Lt Office [204]	Ceiling Concealed				186	10	1860	48.36	No
FCU-2.12	Out./SRO/DVC [219]	Ceiling Concealed				677	10	6770	176.02	Yes
	Office [220]									
FCU-2.13	Cord. [008]	Ceiling Cassette				978	9	8802	228.852	Yes
FCU-2.14	Lobby [002]	Ceiling Concealed				684	25	17100	444.6	Yes
FCU-2.16	Fitness [224]	Ceiling Concealed				832	10	8320	216.32	Yes
			MINIMUM VOLUME OF SYSTEM					1860		
			Refrigerant Leak Detection Required							

VRF System CU-2.3 - ASHRAE 15 EDVC Calculation

FCU-#	Space Name	Unit Arrangement	Total Refrigerant Charge (lbs)	Refrigerant Concentration Limit (lbs / Cubic Ft)	Occ. Factor	Area (SF)	Height (Ft)	Total Volume (Cubic Ft)	Effective Dispersal Volume Concentration (lbs/ Cubic Ft)	Compliance (Yes/No)
FCU-2.17A/B	Cord. [008]	Ceiling Cassette	74.45	0.026	1	978	9	8802	228.852	Yes
FCU-2.18	Wellness [227]	Ceiling Cassette				134	10	1340	34.84	No
FCU-2.19A/B	Gn. Locker Rm [228]	Ceiling Cassette				343	10	3430	89.18	Yes
FCU-2.20	Men Locker Rm [230]	Ceiling Concealed				2172	10	21720	564.72	Yes
FCU-2.21	Men Locker Rm [230]	Ceiling Concealed				2172	10	21720	564.72	Yes
FCU-2.22	Wom. Lock. Rm [229]	Ceiling Concealed				1112	10	11120	289.12	Yes
FCU-2.23	Wom. Lock. Rm [229]	Ceiling Concealed				1112	10	11120	289.12	Yes
			MINIMUM VOLUME OF SYSTEM					1340		
			Refrigerant Leak Detection Required							

FCU-1.04 Mixed Air Calculation

Space #	Space Name	Space OA Minimum	Design SA	OA Fraction	Min OA to Return Plenum	Design OA to Return Plenum	Design OA CFM
[139]	Intox [139]	40	90	0.44	490	515	42.14
[140]	M. Proc. [140]	90	380	0.24			177.91
[141]	Temp [141]	40	90	0.444			42.14
[142]	Int/Bail [142]	50	180	0.278			84.27
[143]	Int [143]	40	90	0.444			42.14
[144]	Hold [144]	30	90	0.33			42.14
[145]	Hold [145]	30	90	0.33			42.14
[146]	Hold [146]	30	90	0.33			42.14

FCU-1.05 Mixed Air Calculation

Space #	Space Name	Space OA Minimum	Design SA	OA Fraction	Min OA to Return Plenum	Design OA to Return Plenum	Design OA CFM
[132]	Hold [132]	30	90	0.33	550	550	36
[133]	Temp [133]	30	90	0.33			36
[134]	Int [134]	50	200	0.250			80
[135]	F Proc. [135]	90	400	0.225			160
[137]	Proc. Area [137]	100	450	0.222			180
[137.3]	Mats [137.3]	20	50	0.40			20
[138]	Stp Srch [138]	40	100	0.40			40

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SEAL

DATE: 7/14/2025 7:36:51 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT BY: DATE: DRN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W NO.	GSW	14SW19	PLAN SCALE: NONE	APPROVED BY: _____ PROPERTY MANAGER
		14SW20	PROFILE SCALE:	DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL COVERSHEET

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

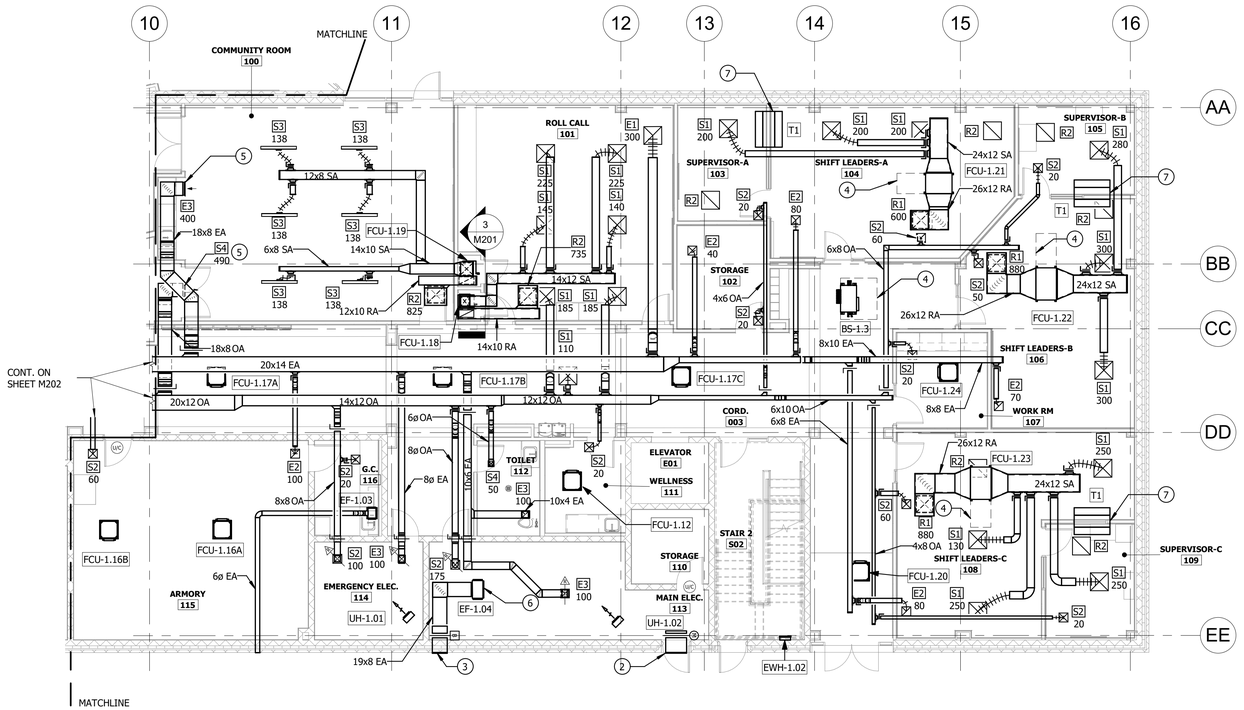
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M002	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 189 OF 302	
DRAWING NUMBER	2024 - 1502
FILE NO.: 8	REV. 07/22

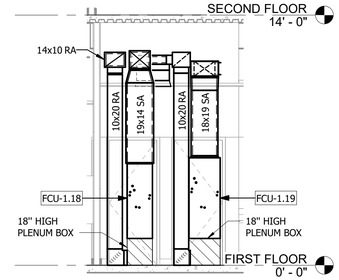
DRAWING NOTES:

1. SIDEWALL AIR DEVICE MOUNTED 10'-0" AFF TO BOTTOM OF DEVICE.
2. 28x24x18 FULLY INSULATED INTAKE LOUVER WITH FULL SIZE PLENUM. PROVIDE THERMALLY BROKEN MOTOR OPERATED DAMPER.
3. 20x24x18 FULLY INSULATED EXHAUST LOUVER WITH FULL SIZE PLENUM. PROVIDE THERMALLY BROKEN BACKDRAFT DAMPER.
4. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
5. SIDEWALL AIR DEVICE MOUNTED 9'-0" AFF TO BOTTOM OF DEVICE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND ELEVATION.
6. EXHAUST FAN MOUNTED BELOW FINISHED CEILING.
7. TRANSFER SILENCER, REFER TO MECHANICAL SCHEDULE FOR ADDITIONAL INFORMATION.



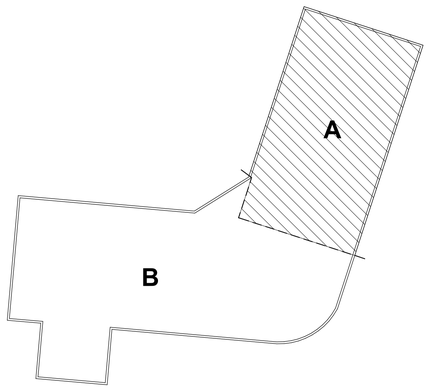
FIRST FLOOR - MECHANICAL - WING A

SCALE: 1/8" = 1'-0"



FCU-1.18 AND FCU-1.19 ELEVATION

SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"
4 0 4 8

SCALE: 1/8" = 1'-0"
8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central R21_mscottRSPQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DATE: 7/14/2025 7:36:52 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: As indicated. PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER. DATE: _____

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - MECHANICAL - WING A

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

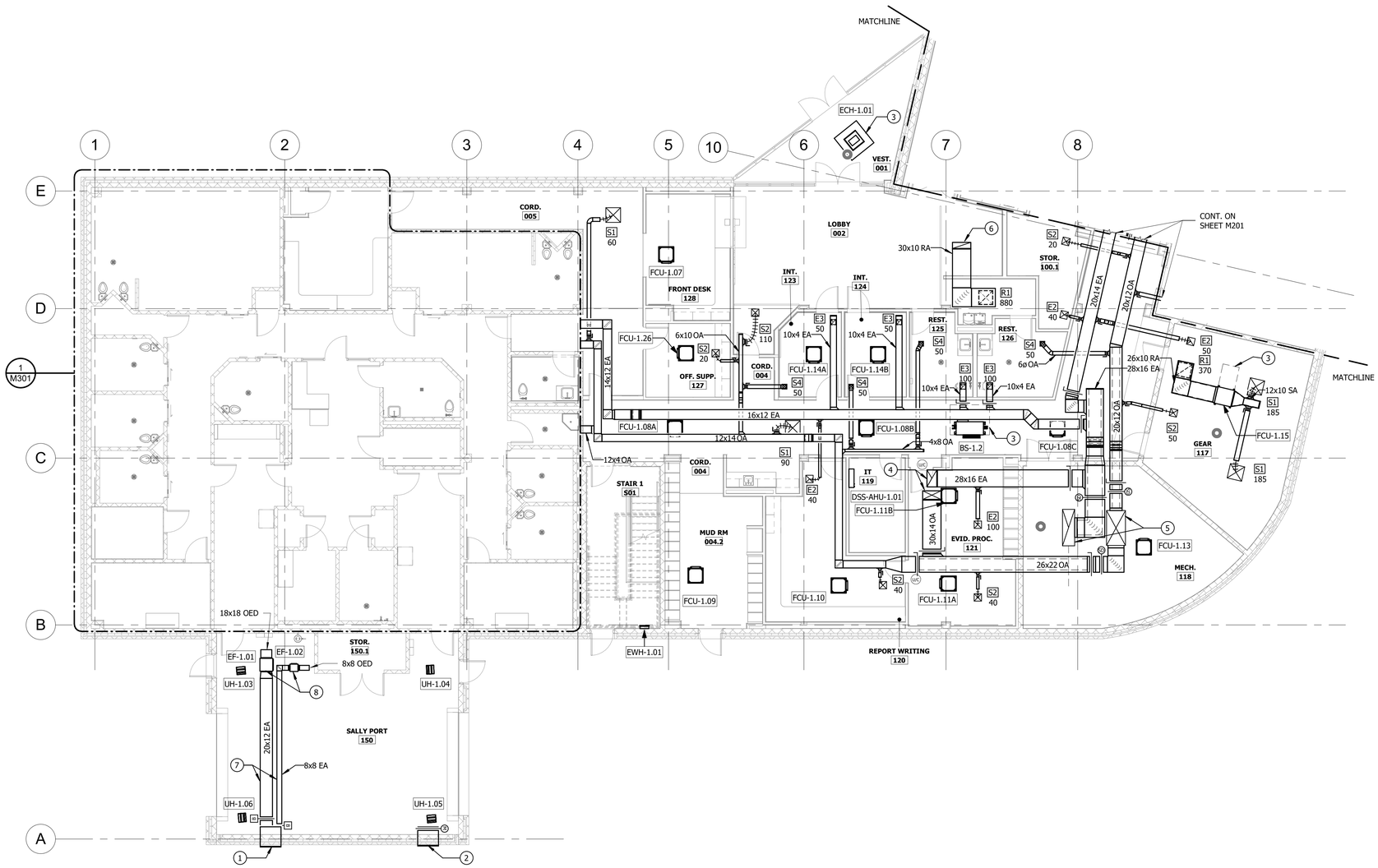
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M201	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 190 OF 302	
DRAWING NUMBER	2024 - 1503
FILE NO.: 8	REV. 0

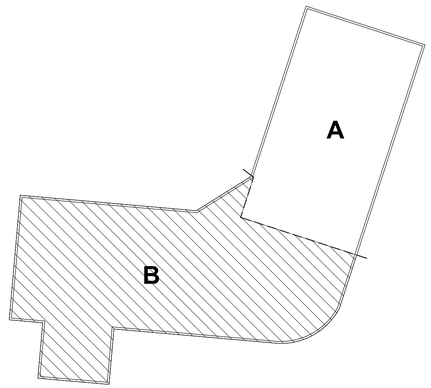
DRAWING NOTES:

1. 34x16x18 EXHAUST AIR LOUVER WITH FULL SIZE PLENUM BOX.
2. 34x16x18 INTAKE AIR LOUVER WITH FULL SIZE PLENUM BOX. INTERLOCK MOTOR OPERATED DAMPER WITH EF-1.01 [EMERGENCY GARAGE EXHAUST]. REFER TO EF-1.01 SEQUENCE OF OPERATIONS.
3. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
4. OUTSIDE AIR, EXHAUST AIR UP IN CHASE TO SERVE SECOND FLOOR.
5. OUTSIDE AIR, EXHAUST AIR UP TO DOAS-1. TRANSITION DUCTS TO SIZE OF UNIT OPENING.
6. RETURN AIR UP TO FCU-2.12.
7. DUCT ROUTED BETWEEN JOISTS.
8. MOUNT EXHAUST FAN UNDER JOISTS. MAINTAIN ALL MANUFACTURER REQUIRED CLEARANCES.



FIRST FLOOR - MECHANICAL - WING B

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottRHQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE : 7/14/2025 7:36:54 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - MECHANICAL - WING B

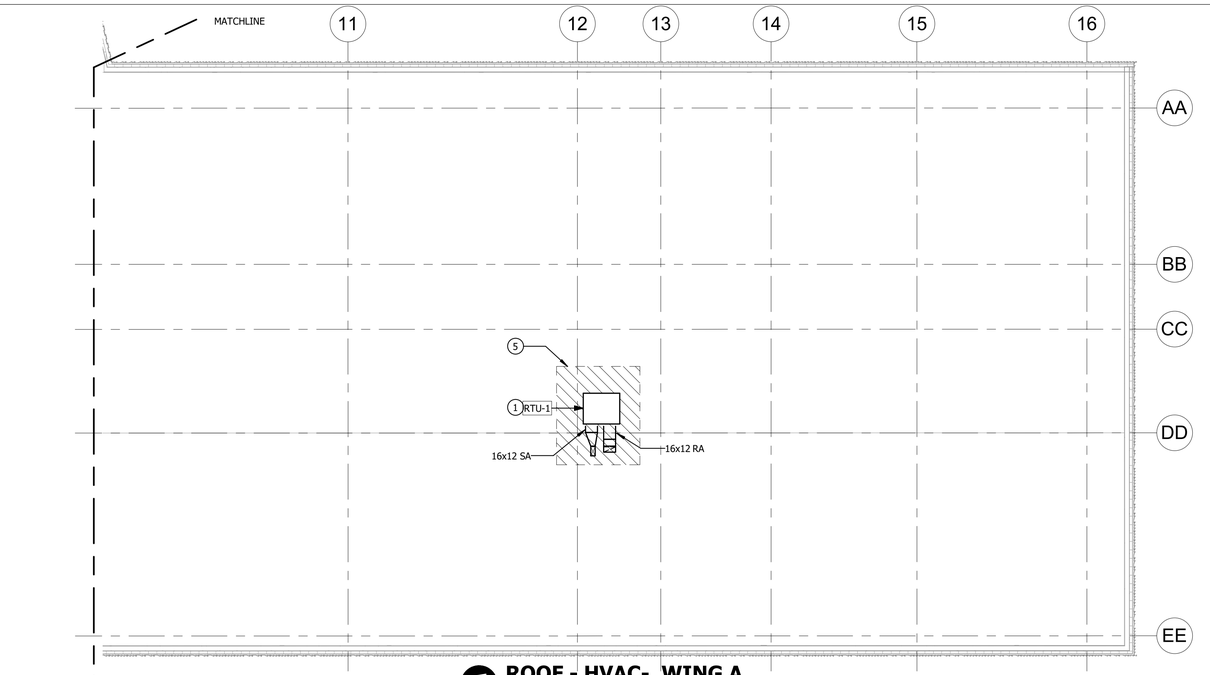
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M202	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 191 OF 302	
DRAWING NUMBER	2024 - 1503
FILE NO.: 8	REV. 0

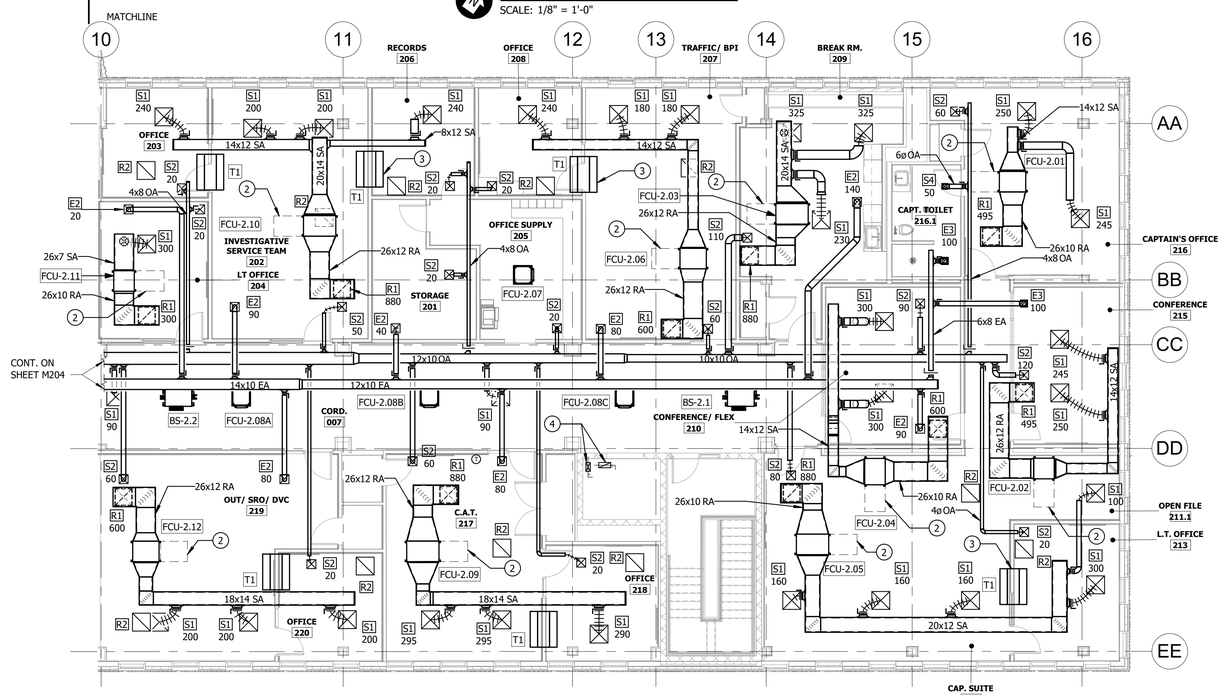


ROOF - HVAC- WING A

SCALE: 1/8" = 1'-0"

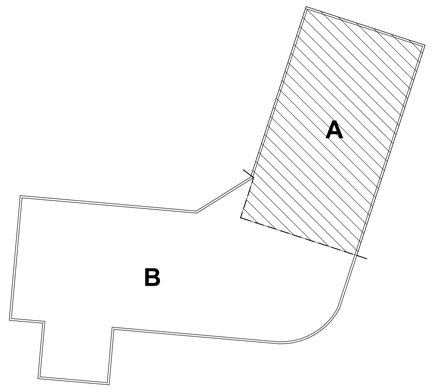
DRAWING NOTES:

1. ROOFTOP UNIT TO SERVE ELEVATOR SHAFT, REFER TO SCHEDULE AND SPECIFICATIONS FOR REQUIREMENTS. COORDINATE WITH SOLAR VENDOR LAYOUT. PROVIDE POINTS FOR STATUS AND ALARM IN BAS.
2. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
3. TRANSFER SILENCER, REFER TO MECHANICAL SCHEDULE FOR ADDITIONAL INFORMATION.
4. 6x12 SA, 8x16 RA UP THROUGH ROOF.
5. PROVIDE 3'-0" SERVICE CLEARANCE AROUND ROOFTOP UNIT. COORDINATE WITH SOLAR PANEL LAYOUT.



SECOND FLOOR - MECHANICAL - WING A

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\290601 Wilkens Police Precinct-Central-R21_mscottBKNP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE : 7/14/2025 7:36:57 AM

AS-BUILT / REVISION	BY	DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: MRS

DRN BY: MRS

CHKD BY: AL

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - MECHANICAL - WING A

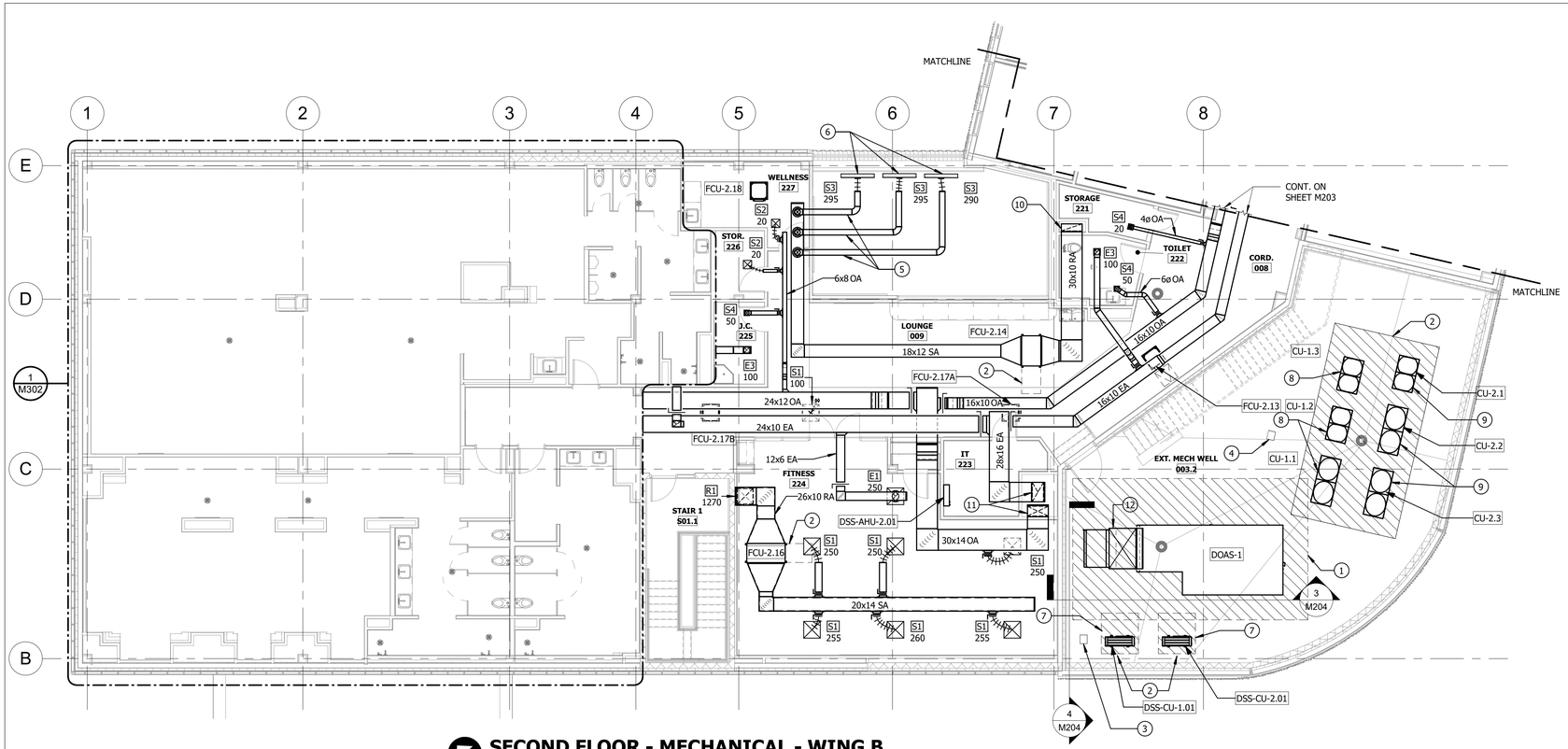
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M203	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 192 OF 302	
DRAWING NUMBER	
2024 - 1505	
FILE NO.: 8	REV. 0

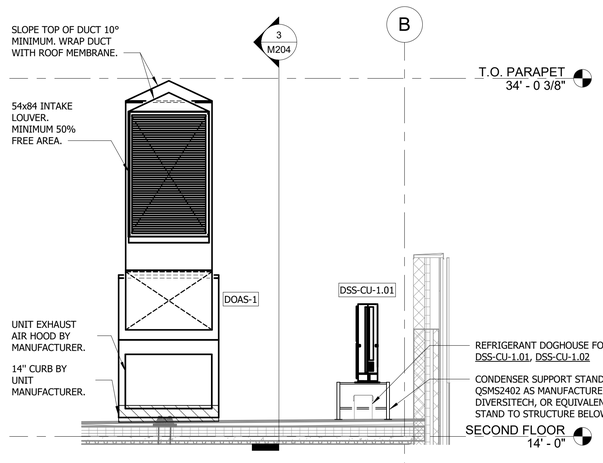


SECOND FLOOR - MECHANICAL - WING B

SCALE: 1/8" = 1'-0"

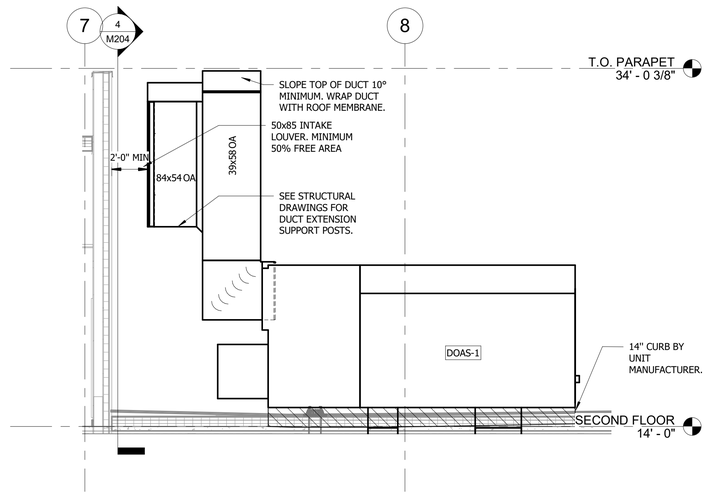
DRAWING NOTES:

1. DOAS-1 SERVICE CLEARANCE.
2. CONDENSING UNIT SERVICE CLEARANCE.
3. REFRIGERANT DOGHOUSE FOR DSS-CU-1.01, DSS-CU-1.02.
4. REFRIGERANT DOGHOUSE FOR CU-1.1, CU-1.2, CU-1.3.
5. ROUTE 8"Ø SA THROUGH OPEN WEB JOISTS. REFER TO STRUCTURAL DRAWINGS FOR JOIST LOCATIONS AND SIZES.
6. LOCATE MANUFACTURER PLENUM BOX BETWEEN OPEN WEB JOISTS. REFER TO STRUCTURAL DRAWINGS FOR JOIST LOCATIONS AND SIZES. MINIMUM VERTICAL DIFFUSER THROW = 25'-0". ALIGN DIFFUSER WITH WOOD SLAT LAYOUT. DIFFUSER COLOR POWDER COAT COLOR TO BE SELECTED BY ARCHITECT.
7. ROOF MOUNTED CONDENSING UNIT, PROVIDE CONDENSER STAND MODEL NO. QSMS2402 AS MANUFACTURED BY DIVERSITECH, OR EQUIVALENT.
8. PROVIDE PRE-ENGINEERED THREE MODULE VRF EQUIPMENT STAND FOR CU-1.1, CU-1.2, CU-1.3 W/ BASE FRAME MODEL NO. B9731-1-BF AS MANUFACTURED BY BIG FOOT SYSTEMS (OR EQUIVALENT) AND ALL REQUIRED EXTENSION KITS. ADJUST STAND HEIGHT TO MAXIMUM HEIGHT; 24", TOP OF CONDENSING UNITS SHALL BE NO MORE THAN 12" BELOW TOP OF ROOF WELL EXTERIOR WALL. COORDINATE WITH VENDOR.
9. PROVIDE PRE-ENGINEERED THREE MODULE VRF EQUIPMENT STAND FOR CU-2.1, CU-2.2, CU-2.3 W/ BASE FRAME MODEL NO. B9731-1-BF AS MANUFACTURED BY BIG FOOT SYSTEMS (OR EQUIVALENT) AND ALL REQUIRED EXTENSION KITS. ADJUST STAND HEIGHT TO MAXIMUM HEIGHT; 24", TOP OF CONDENSING UNITS SHALL BE NO MORE THAN 12" BELOW TOP OF ROOF WELL EXTERIOR WALL. COORDINATE WITH VENDOR.
10. 30x10 RA DOWN.
11. 28x16 EA, 30x14 SA DOWN.
12. DOAS-1 OUTSIDE AIR DUCT EXTENSION, REFER TO ELEVATIONS FOR ADDITIONAL INFORMATION.



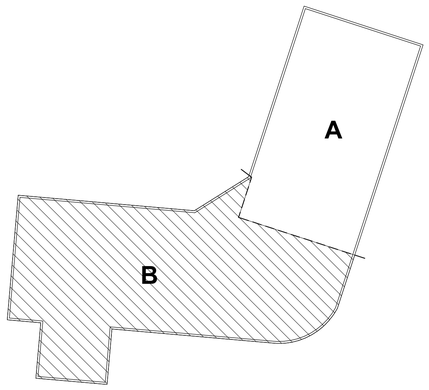
4 M204 **DOAS-1 ELEVATION ONE**

SCALE: 1/4" = 1'-0"



3 M204 **DOAS-1 - ELEVATION TWO**

SCALE: 1/4" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central R21_mscottRSPQP.rvt

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____				R.O.W. NO.	GSW	14SW19	PLAN SCALE: As indicated	APPROVED BY: _____ PROPERTY MANAGER
		CONTRACT COMPLETION BOX					14SW20	PROFILE SCALE:	DATE:
DATE: 7/14/2025 7:37:00 AM	ENGINEER: _____ DGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT DRN BY: MRS	REVIEWED BY:							
	BY: DATE: CHKD BY: AL	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - MECHANICAL - WING B

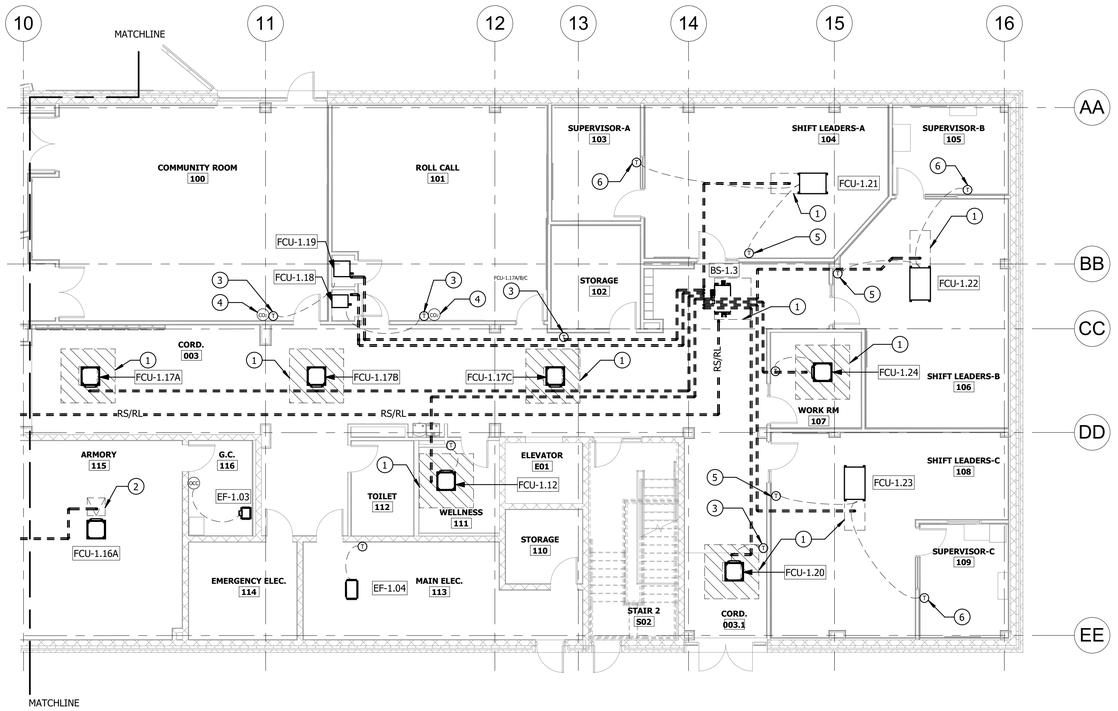
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M204	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 193 OF 302
	DRAWING NUMBER
	2024 – 1506
	FILE NO.: 8



FIRST FLOOR - MECHANICAL PIPING AND ATC - WING A

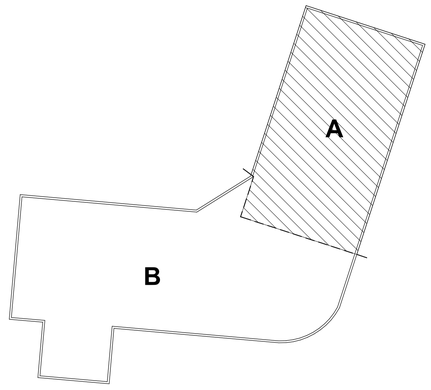
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND SIZES WITH VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.
2. FOR CLARITY, SINGLE LINE REPRESENTS PAIR OF PIPES; REFRIGERANT LIQUID LINE, AND REFRIGERANT SUCTION LINE.
3. PROVIDE REFRIGERANT LEAK DETECTORS IN THE FOLLOWING ROOMS:
   - INT. [123]
   - INT. [124]
   - F. PEN [129]
   - M. PEN. [148]
   - CONTROL DESK [149]
   - LT OFFICE [204]
   - CONFERENCE [215]
   - WELLNESS [227]

DRAWING NOTES:

1. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
2. 2'-0" x 2'-0" ACCESS PANEL.
3. WALL MOUNTED TEMPERATURE SENSOR.
4. CARBON DIOXIDE SENSOR. INTERLOCK WITH BAS FOR MONITORING AND ALARM.
5. MAIN THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.
6. SUB THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL

DATE: 7/14/2025 7:37:02 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____

DATE: _____

DGN BY: MRS

DRN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - MECHANICAL PIPING AND ATC - WING A

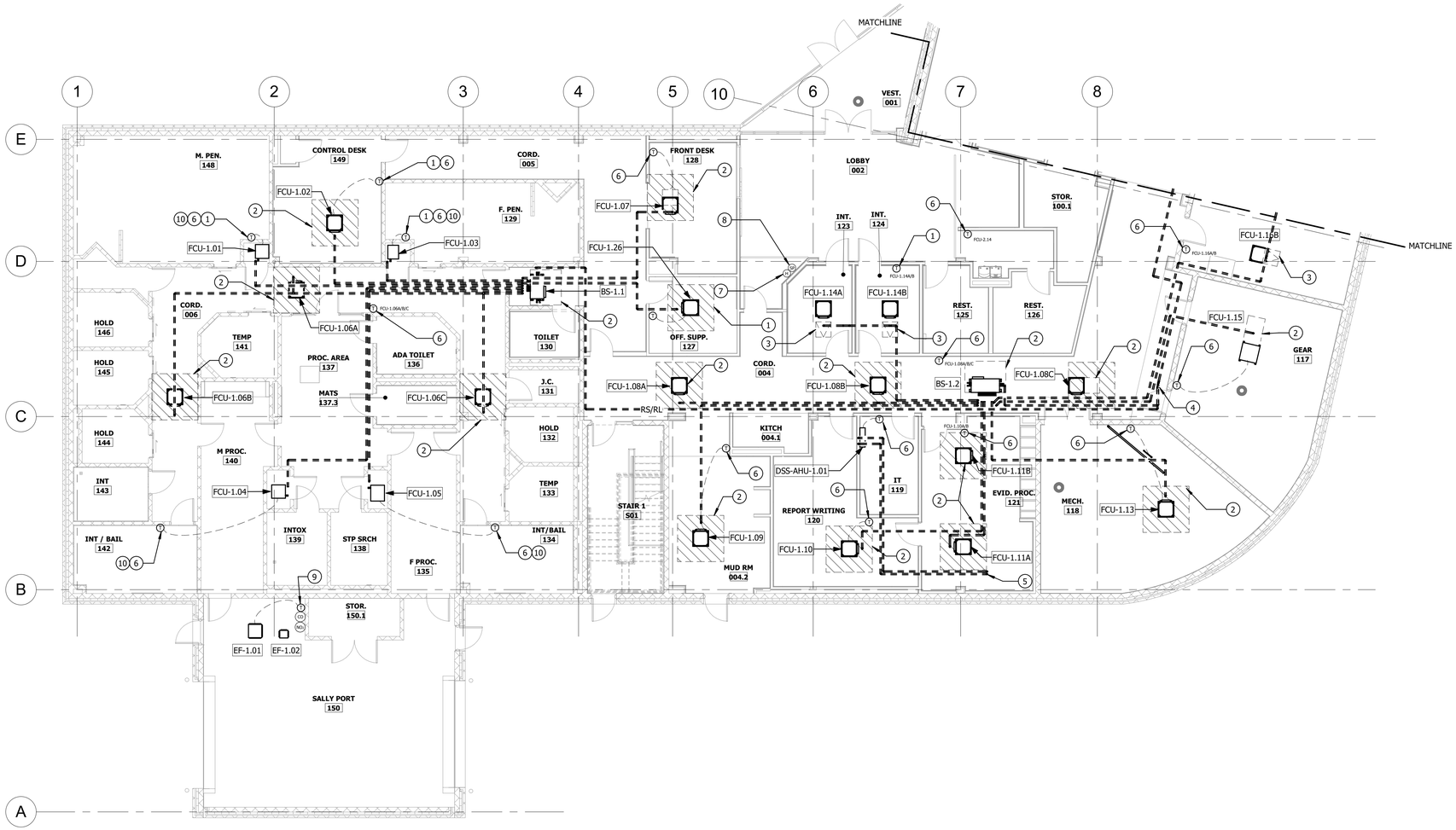
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M205	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 194 OF 302	
DRAWING NUMBER	2024 – 1507
FILE NO.: 8	



GENERAL NOTES:

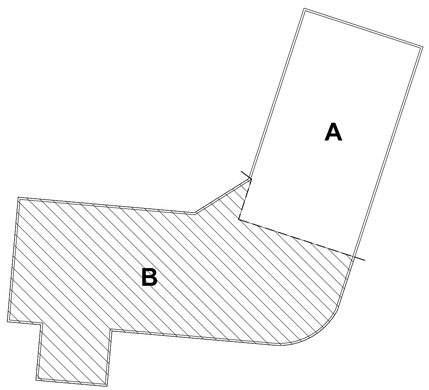
1. INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND SIZES WITH VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.
2. FOR CLARITY, SINGLE LINE REPRESENTS PAIR OF PIPES; REFRIGERANT LIQUID LINE, AND REFRIGERANT SUCTION LINE.
3. PROVIDE REFRIGERANT LEAK DETECTORS IN THE FOLLOWING ROOMS:
   - INT. [123]
   - INT. [124]
   - F. PEN [129]
   - M. PEN. [148]
   - CONTROL DESK [149]
   - LT OFFICE [204]
   - CONFERENCE [215]
   - WELLNESS [227]

DRAWING NOTES:

1. REFRIGERANT LEAK DETECTOR MOUNTED BELOW THERMOSTAT. MOUNT REFRIGERANT LEAK DETECTOR 12" ABOVE FINISHED FLOOR. LOCATE AND COORDINATE WITH VRF MANUFACTURER'S DIRECTION TO TIE INTO LOCAL THERMOSTAT FOR EQUIPMENT SHUTDOWN. DETECTOR SHALL ALSO BE CONNECTED TO SOLENOID VALVES LOCATED AT THE CONDENSING UNIT, BRANCH SELECTOR BOXES, AND OTHERS LOCATED WITHIN THE SYSTEM. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
3. 2'-0" x 2'-0" ACCESS PANEL.
4. RS/RL UP TO REFRIGERANT DOGHOUSE ON ROOF. REFER TO REFRIGERANT PIPING DIAGRAMS FOR MANUFACTURER REQUIRED SIZES FOR VRF PIPING.
5. RS/RL UP TO REFRIGERANT DOGHOUSE ON ROOF.
6. WALL MOUNTED TEMPERATURE SENSOR.
7. DOAS-1 ZONE HUMIDITY SENSOR (READ ONLY BY ATC).
8. DOAS-1 SPACE PRESSURE SENSOR (READ ONLY BY ATC).
9. CARBON MONOXIDE AND NITROGEN DIOXIDE DETECTORS PROVIDED IN ACCORDANCE WITH IMC SECTION 404. DETECTORS SHALL BE LISTED IN ACCORDANCE WITH UL 2075 AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND MANUFACTURER'S INSTRUCTIONS.
10. PROVIDE ANTI-LIGATURE THERMOSTAT COVER AS MANUFACTURED BY ARSCO, OR EQUIVALENT.

FIRST FLOOR - MECHANICAL PIPING AND ATC - WING B

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: 7/14/2025 7:37:03 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: MRS	DRN BY: MRS	CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - MECHANICAL PIPING AND ATC - WING B

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M206	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 195 OF 302	
DRAWING NUMBER	2024 - 1508
FILE NO.: 8	

GENERAL NOTES:

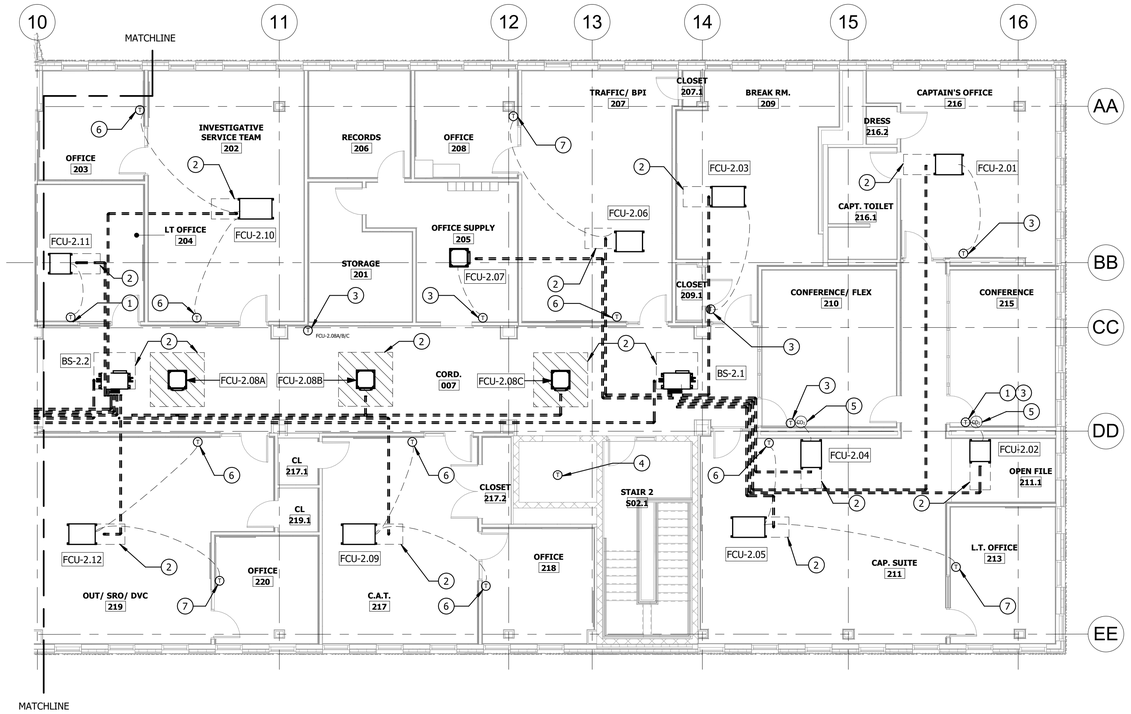
1. INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND SIZES WITH VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.

2. FOR CLARITY, SINGLE LINE REPRESENTS PAIR OF PIPES; REFRIGERANT LIQUID LINE, AND REFRIGERANT SUCTION LINE.

3. PROVIDE REFRIGERANT LEAK DETECTORS IN THE FOLLOWING ROOMS:
   - INT. [123]
   - INT. [124]
   - F. PEN [129]
   - M. PEN. [148]
   - CONTROL DESK [149]
   - LT OFFICE [204]
   - CONFERENCE [215]
   - WELLNESS [227]

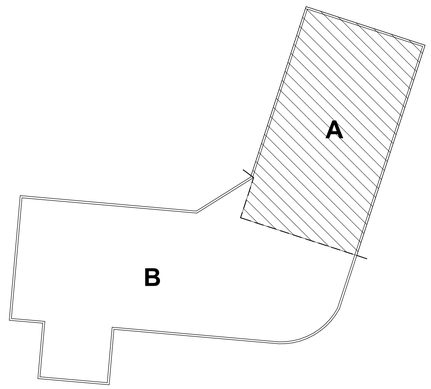
DRAWING NOTES:

1. REFRIGERANT LEAK DETECTOR MOUNTED BELOW THERMOSTAT. MOUNT REFRIGERANT LEAK DETECTOR 12" ABOVE FINISHED FLOOR. LOCATE AND COORDINATE WITH VRF MANUFACTURER'S DIRECTION TO TIE INTO LOCAL THERMOSTAT FOR EQUIPMENT SHUTDOWN. DETECTOR SHALL ALSO BE CONNECTED TO SOLENOID VALVES LOCATED AT THE CONDENSING UNIT, BRANCH SELECTOR BOXES, AND OTHERS LOCATED WITHIN THE SYSTEM. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
3. WALL MOUNTED TEMPERATURE SENSOR.
4. PROVIDE WIRED REMOTE TEMPERATURE SENSOR LOCATED IN RTU-1 RETURN DUCT. THE CORRESPONDING THERMOSTAT SHALL BE LOCATED IN THE CONTROLS PORTION OF A WEATHERPROOFED AREA IN THE ROOFTOP UNIT FOR ACCESSIBILITY.
5. CARBON DIOXIDE SENSOR. INTERLOCK WITH BAS FOR MONITORING AND ALARM.
6. MAIN THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.
7. SUB THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.



SECOND FLOOR - MECHANICAL PIPING AND ATC - WING A

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____				R.O.W. NO.	GSW	14SW19	PLAN SCALE: As indicated.	APPROVED BY: _____ PROPERTY MANAGER
		CONTRACT COMPLETION BOX					14SW20	PROFILE SCALE:	DATE:
	ENGINEER: _____ DGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT DRN BY: MRS	REVIEWED BY:							
	BY: CHKD BY: AL	DATE REVIEWED:							
DATE: 7/14/2025 7:37:05 AM	BY: DATE:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - MECHANICAL PIPING AND ATC - WING A

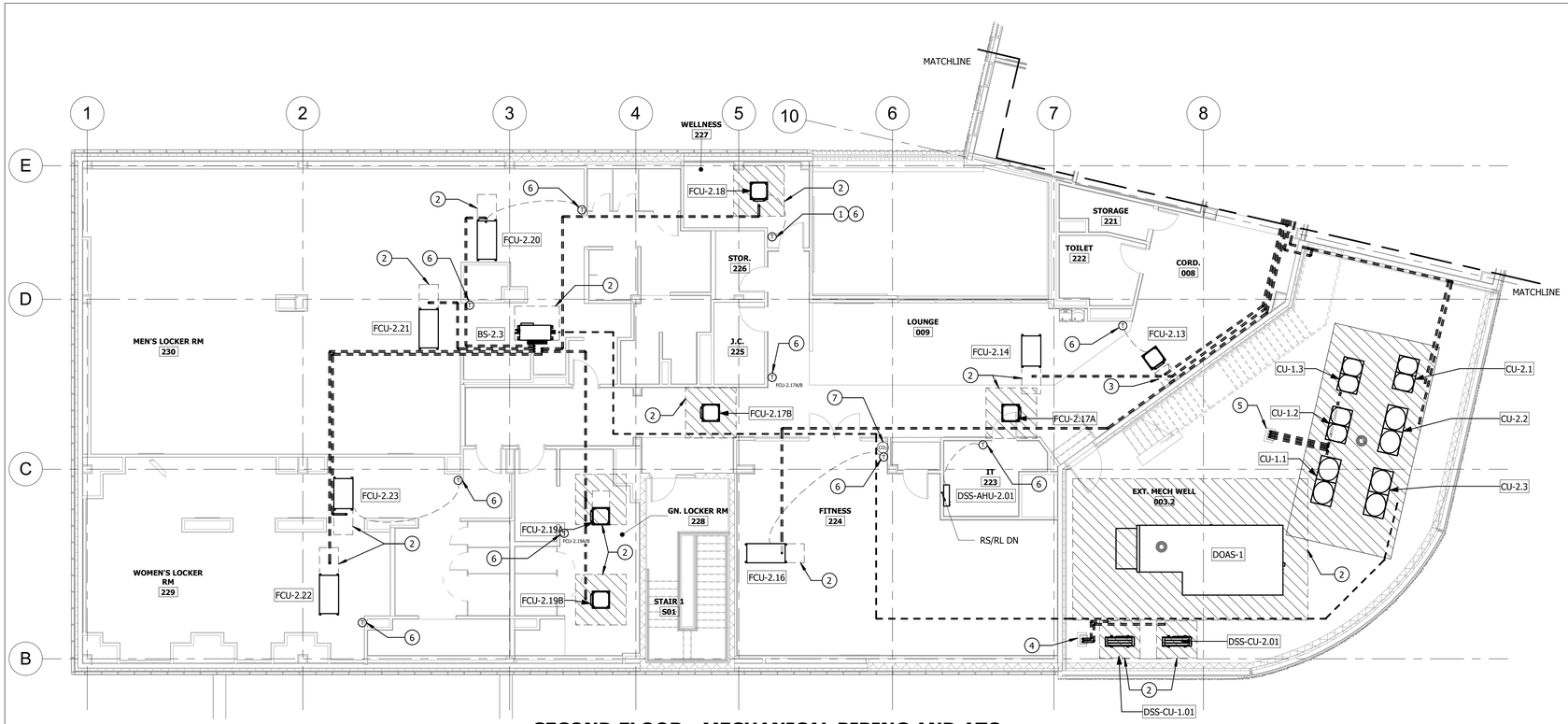
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M207	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 196 OF 302
	DRAWING NUMBER
	2024 – 1509
	FILE NO.: 8



SECOND FLOOR - MECHANICAL PIPING AND ATC - WING B

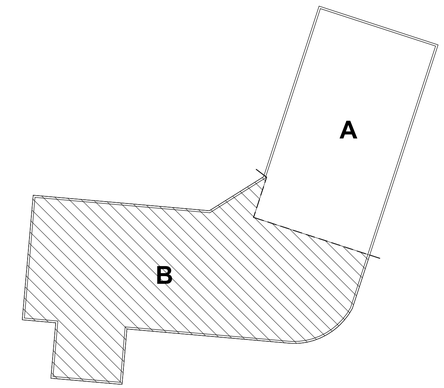
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND SIZES WITH VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.
2. FOR CLARITY, SINGLE LINE REPRESENTS PAIR OF PIPES; REFRIGERANT LIQUID LINE, AND REFRIGERANT SUCTION LINE.
3. PROVIDE REFRIGERANT LEAK DETECTORS IN THE FOLLOWING ROOMS:
   - INT. [123]
   - INT. [124]
   - F. PEN [129]
   - M. PEN. [148]
   - CONTROL DESK [149]
   - LT OFFICE [204]
   - CONFERENCE [215]
   - WELLNESS [227]

DRAWING NOTES:

1. REFRIGERANT LEAK DETECTOR MOUNTED BELOW THERMOSTAT. MOUNT REFRIGERANT LEAK DETECTOR 12" ABOVE FINISHED FLOOR. LOCATE AND COORDINATE WITH VRF MANUFACTURER'S DIRECTION TO TIE INTO LOCAL THERMOSTAT FOR EQUIPMENT SHUTDOWN. DETECTOR SHALL ALSO BE CONNECTED TO SOLENOID VALVES LOCATED AT THE CONDENSING UNIT, BRANCH SELECTOR BOXES, AND OTHERS LOCATED WITHIN THE SYSTEM. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OF MECHANICAL EQUIPMENT.
3. 2'-0" x 2'-0" ACCESS PANEL.
4. REFRIGERANT DOGHOUSE FOR DSS-CU-1.01, DSS-CU-1.02.
5. REFRIGERANT DOGHOUSE FOR CU-1.1, CU-1.2, CU-1.3.
6. WALL MOUNTED TEMPERATURE SENSOR.
7. CARBON DIOXIDE SENSOR. INTERLOCK WITH BAS FOR MONITORING AND ALARM.



SCALE: 1/8" = 1'-0"
8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\290601-Wilkens Police Precinct-Central-R21_mscottBRNP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE : 7/14/2025 7:37:07 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - MECHANICAL PIPING AND ATC - WING B

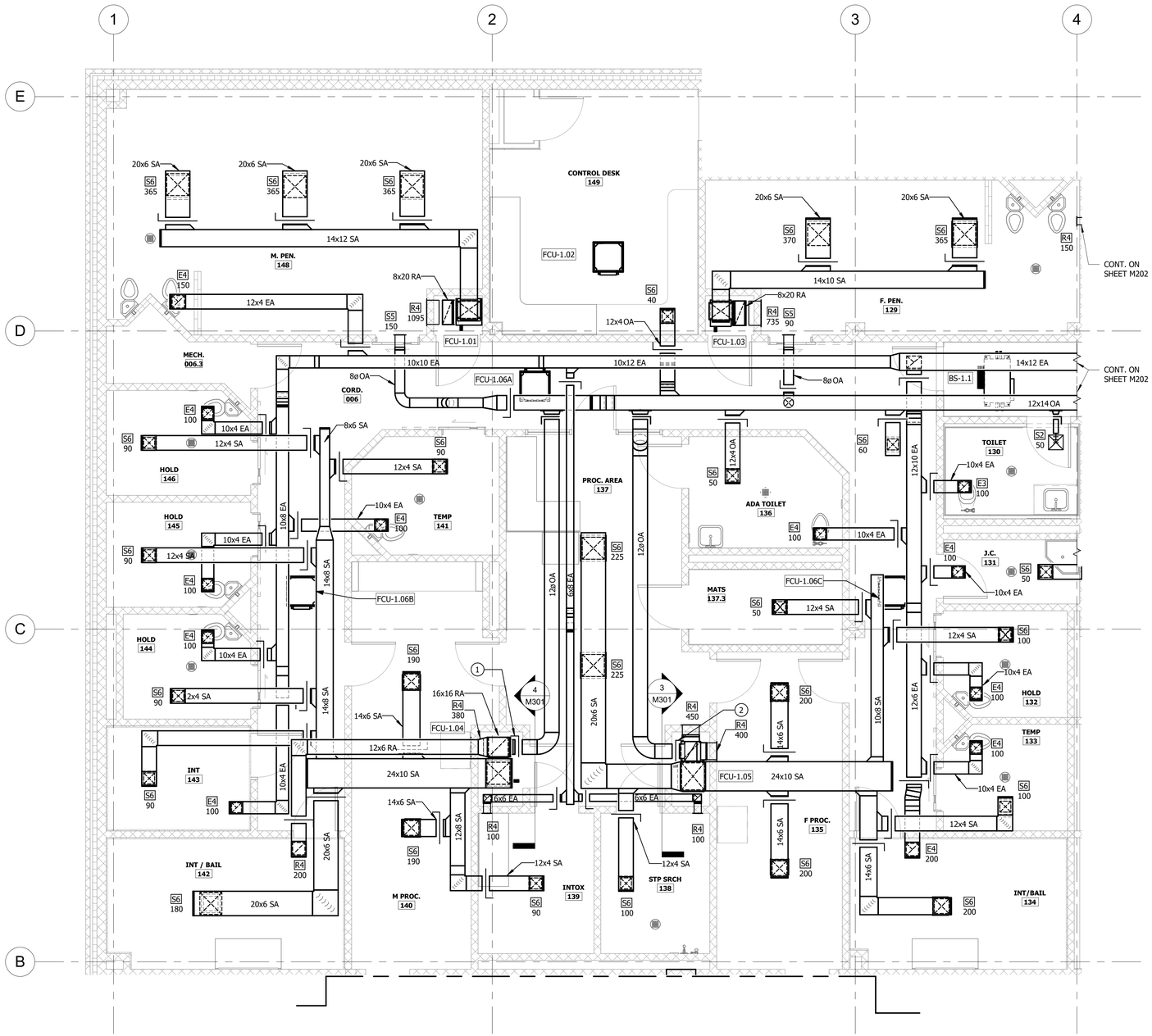
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M208	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 197 OF 302	
DRAWING NUMBER	2024 – 1510
FILE NO.: 8	REV. 0.0.0



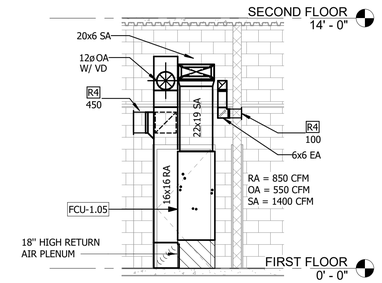
1 M301 **FIRST FLOOR - MECHANICAL - WING B - HOLDING**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

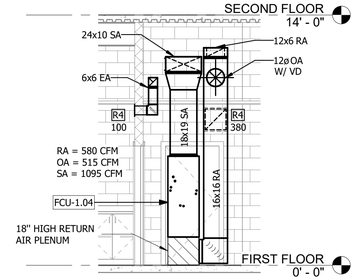
1. PROVIDE LINTELS AT DUCT PENETRATIONS OF INTERIOR BLOCK WALLS. REFER TO STRUCTURAL DRAWINGS.

DRAWING NOTES:

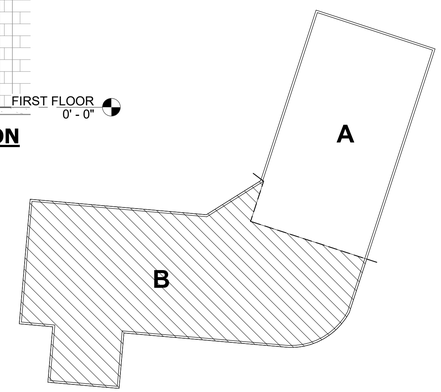
1. BALANCE VOLUME DAMPER TO 550 CFM. FCU-1.04 SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.
2. BALANCE VOLUME DAMPER TO 415 CFM. FCU-1.05 SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.



3 M301 **FCU-1.05 ELEVATION**
SCALE: 1/4" = 1'-0"



4 M301 **FCU-1.04 ELEVATION**
SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"
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ENGINEER: _____
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

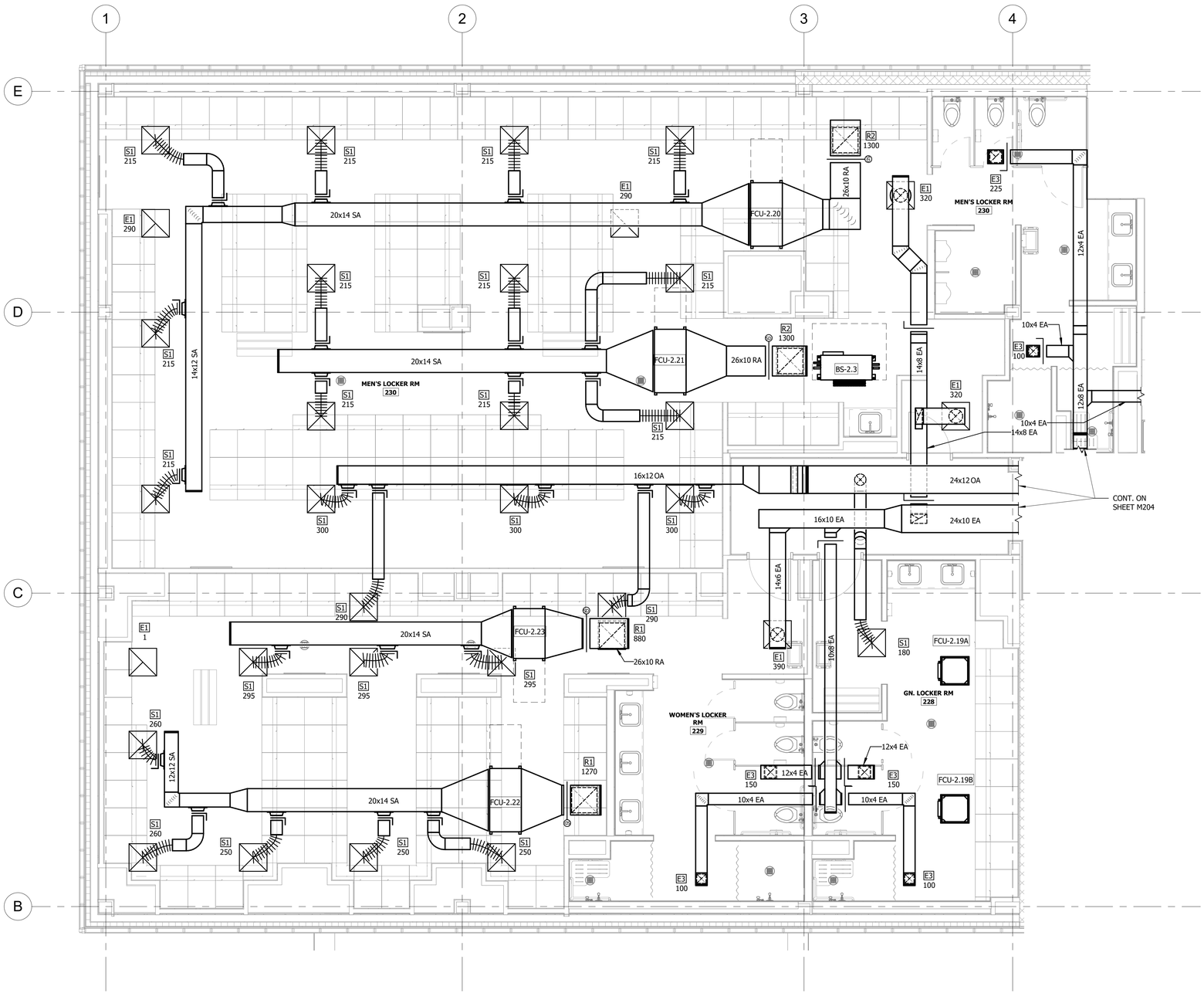
DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

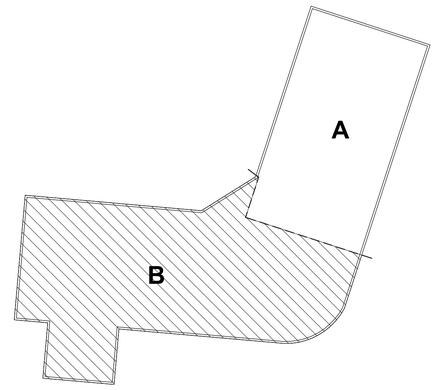
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
PART PLANS - MECHANICAL
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M301	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 198 OF 302	
DRAWING NUMBER	2024 - 1511
FILE NO.: 8	REV. 0



1 M302 **SECOND FLOOR - MECHANICAL - WING B - LOCKERS**

SCALE: 1/4" = 1'-0"



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ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W. NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PART PLANS - MECHANICAL

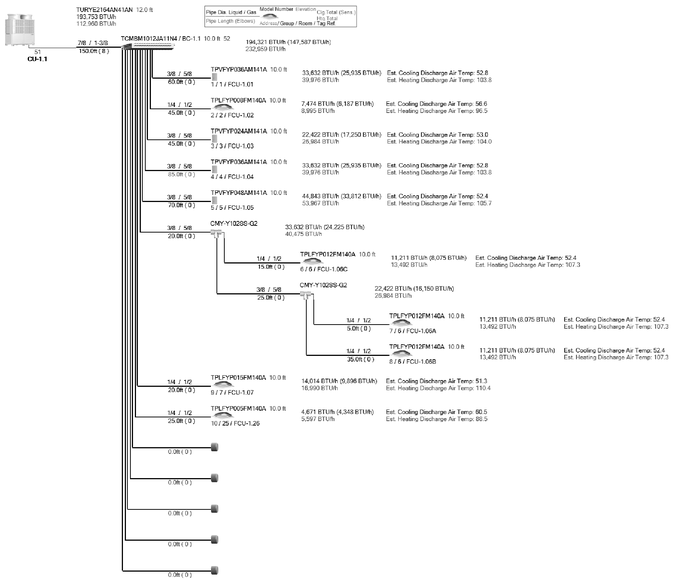
NEW BUILDING DESIGN

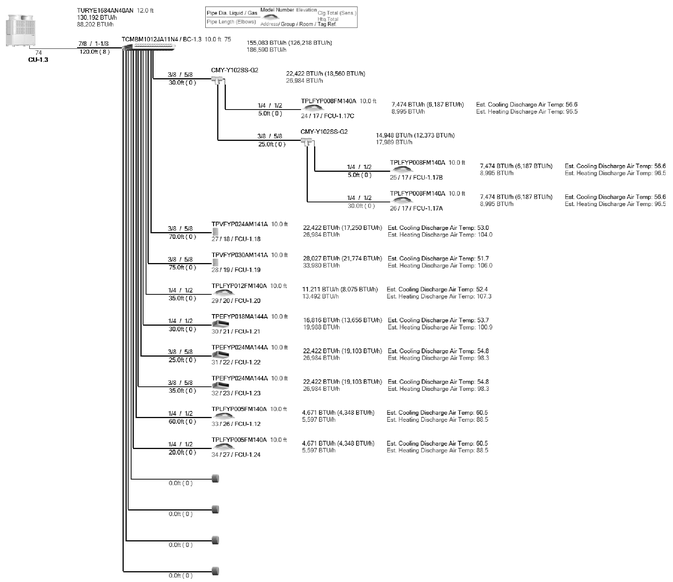
SUBDIVISION: WILKENS

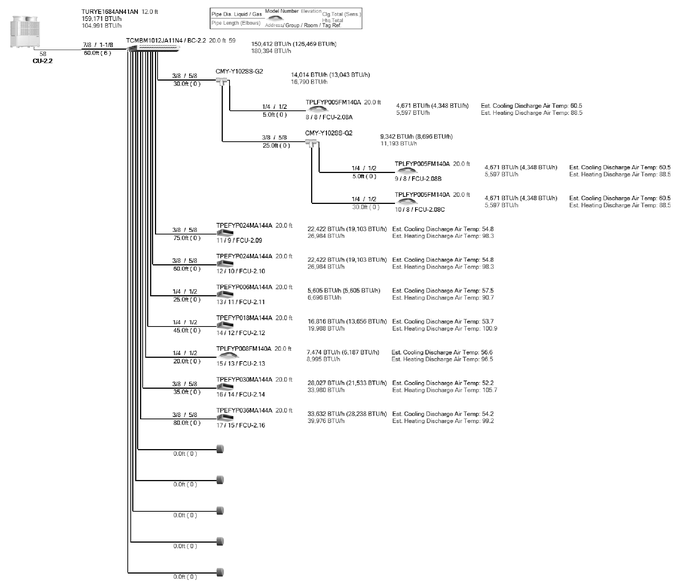
901 Walker Ave Catonsville, Maryland, 21228

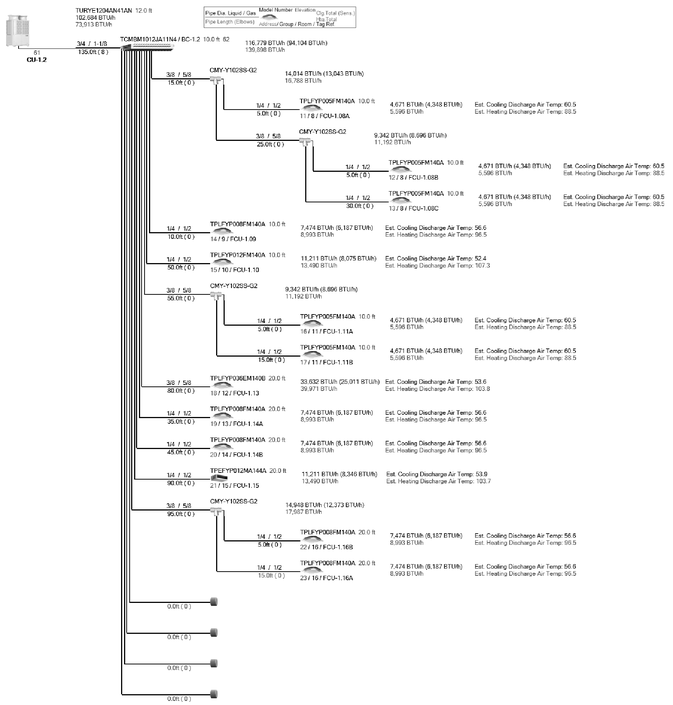
ELECTION DIST. NO.: 01C1

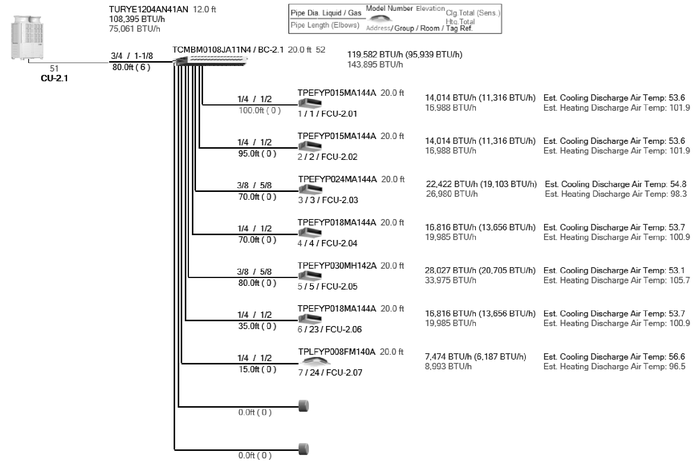
SHEET DESIGNATION	CONTRACT NUMBER
M302	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 199 OF 302
	DRAWING NUMBER
	2024 - 1512
	FILE NO.: 8

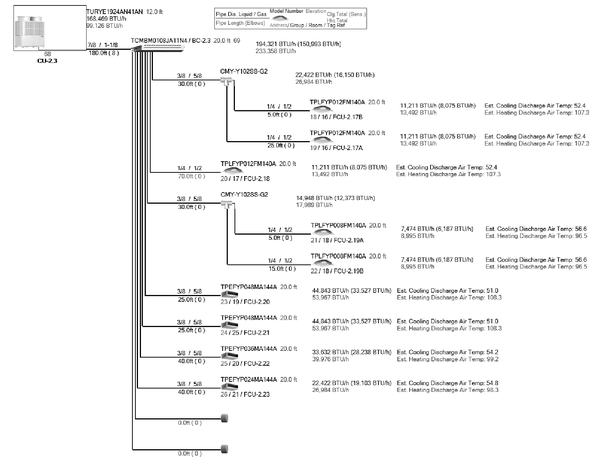












GENERAL NOTES

1. INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND SIZES WITH VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.
2. REFRIGERANT RISERS FROM BASIS OF DESIGN MANUFACTURER, MITSUBISHI.

DWG. FILENAME: C:\Users\mscott\Documents\280901 Wilkens Police Precinct-Central R21_mscottBSNQP.rvt

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ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: CHKD BY: AL

DATE: 7/14/2025 7:37:11 AM DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: _____ PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

REFRIGERANT RISERS

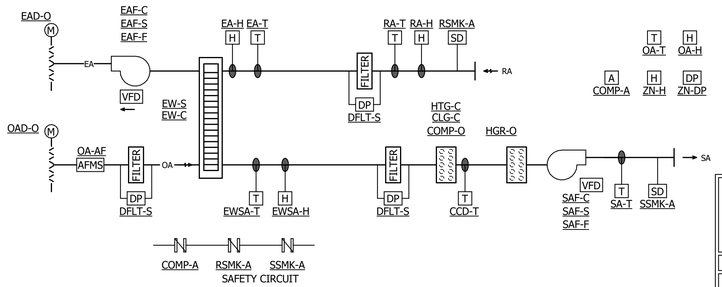
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M401	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 200 OF 302	DRAWING NUMBER
2024 – 1513	FILE NO.: 8



OCCUPIED SUPPLY AIR TEMPERATURE RESET SCHEDULE

SUPPLY AIR TEMPERATURE	OUTSIDE AIR TEMPERATURE
60°F	>85°F
72°F	<65°F

NOTES:

1: LINEAR RESET - ALL SET POINTS ADJUSTABLE THROUGH SOFTWARE.

CONSTANT VOLUME, HEAT PUMP, HOT GAS REHEAT, DEDICATED OUTDOOR AIR SYSTEM (DOAS-1) CONTROL DIAGRAM

SCALE: NONE

CAV, HEAT PUMP, HOT GAS REHEAT, DEDICATED OUTDOOR AIR SYSTEM SEQUENCE OF OPERATION AND POINTS LIST

A. General

1. The building automation system (BAS) shall be capable of energizing and de-energizing the Dedicated Outdoor Air System (DOAS) per a time of day schedule or operator override. Vendor shall provide unit with BACnet MSTP card.

B. Unoccupied Mode

1. When the DOAS is in the unoccupied mode and the zone humidity is within the acceptable humidity ranges the following shall occur:
   a. The supply and exhaust fans shall be off.
   b. OA and EA dampers shall be closed.
   c. The DX cooling shall be de-energized.
2. Unoccupied Dehumidification: Dehumidification shall be available in unoccupied mode. When the space humidity rises above the unoccupied set point of 65% RH the supply and exhaust fans shall energize and the unit shall operate in occupied mode with the outside air damper open. When the space humidity is 5% RH lower than the set point the dehumidification mode shall be disabled.

C. Occupied Mode

1. General
   a. DOAS shall be in occupied mode automatically based on an occupancy schedule programmed into the BAS or manually through an operator override.
   b. The supply fans, exhaust fan, and energy wheel shall operate continuously. The compressors shall modulate in sequence to maintain the supply air temperature set point.
2. Fan Operation
   a. Each fan status shall be monitored by the BAS. If the status does not match with the commanded value, an alarm shall be generated.
   b. The supply fan shall operate at a constant speed.
   c. The exhaust fan speed shall modulate to maintain the building pressure setpoint (adj.) to be determined by the balancer.
3. Supply Air Temperature Control
   a. Heat Pump Heating
      - When the outside air temperature falls below the heating setpoint of 72°F, the reversing valve relay shall activate with the first stage compressor.
      - When the supply air temperature is below the heating supply air setpoint and the outdoor air temperature is above the compressor lockout temperature of 45°F the compressor heat will be modulated to maintain the heating setpoint. Auxiliary heat shall be staged to maintain the heating setpoint if compressor heat is not capable of maintaining supply air temperature setpoint.
      - When the outside air temperature is below the OAT lockout of 45°F the compressor heat is locked out. Auxiliary heat will be staged on to maintain the heating setpoint.
      - If the compressor is operating in heating and the coil suction temperature falls below the defrost temperature setpoint the unit will enter defrost mode.
   b. Cooling
      - Cooling shall be enabled when the outdoor air temperature is above 75°F or when the OA dew point exceeds 52°F. When the outdoor air temperature or dew point rises above the set point, the unit shall shall modulate as required to maintain a cooling coil discharge air temperature set point of 50.0 (adj.). The hot gas reheat valve shall modulate to maintain a supply air temperature in accordance with the supply air temperature reset schedule.
      - The DX coils are served by compressors with manufacturer packaged staging and controls.
      - If OA conditions are within the required ranges, economizer shall be energized. Refer to the economizer sequence for more information.

D. Economizer Control

1. The economizer mode shall be energized if the outside air temperature is between 70°F and 75°F and below 52°F OA dewpoint. When the outside air is outside this range then the economizer mode shall be de-energized.
2. When economizer is energized the mechanical cooling/heating shall be commanded off.
3. The energy wheel shall be disabled.

E. Humidity Control

1. When the Zone Humidity rises above the Zone Humidity Setpoint of 58%RH (adj.) the dehumidification mode shall be energized.
2. The DX Cooling shall energize to maintain a cooling coil discharge temperature of 45°F (adj.). The Hot Gas Reheat Coil shall modulate to maintain a Supply Air Temperature of 72°F (adj.).
3. When the Zone Humidity falls below the Zone Humidity Setpoint of 52%RH (adj.) the dehumidification mode shall be de-energized.
4. If the Zone Humidity rises above the 60%RH (adj.) an alarm shall be annunciated at the BAS.

F. Energy Recovery Wheel

1. The energy wheel shall operate when the unit is placed in occupied mode, the supply fan status matches the command and there is a call for heating or cooling. The heat wheel shall not operate when there is no call for mechanical cooling or heating. If the exhaust air dewpoint temperature falls below its temp. set point and the exhaust fan is energized, the energy wheel shall operate in defrost mode. During defrost mode, the wheel shall be disabled to prevent icing. The outside air damper shall remain open and the return air damper shall remain closed.

G. CO2 Monitoring

1. CO2 sensors are monitoring only for LEED purposes.
2. CO2 sensors shall monitor CO2 levels at the locations shown on the plans.

G. Safeties

1. When the HOA switch is pushed to "off", the unit shall be shut down, the supply and exhaust fans shall be de-energized, the outside air damper shall be closed.
2. The supply and exhaust fans shall be shut down whenever any sensor trips at 38°F. An alarm shall be annunciated at the BAS.
3. Whenever a supply, or exhaust fan status does not match the commanded value, an alarm shall be annunciated at the BAS. If any fan fails all other associated fans shall be commanded off and the OA damper closed. The alarm shall remain until manually cleared.
4. Smoke detectors shall shut down the associated unit. The supply and exhaust fans shall be de-energized, the OA damper shall be closed. An alarm shall be annunciated at the BAS.
5. All safeties shall be hardwired.

BAS POINTS LIST

TYPE	POINT	POINT ABBREVIATION	UNITS	TREND	ALARM	READ/WRITE	PROVIDER
AI	OUTSIDE AIR TEMPERATURE (GLOBAL)	OA-T	DEG F	X		READ	BAS
AI	OUTSIDE AIR HUMIDITY (GLOBAL)	OA-H	%RH	X		READ	BAS
AI	SUPPLY AIR TEMPERATURE	SA-T	DEG F	X	X	READ	BAS
AI	SUPPLY AIR HUMIDITY	SA-H	% RH	X	X	READ	BAS
AI	ENERGY WHEEL SUPPLY AIR TEMPERATURE	EWSA-T	DEG F	X	X	READ	BAS
AI	ENERGY WHEEL SUPPLY AIR HUMIDITY	EWSA-H	% RH	X	X	READ	BAS
AI	EXHAUST AIR TEMPERATURE	EA-T	DEG F	X	X	READ	BAS
AI	EXHAUST AIR HUMIDITY	EA-H	% RH	X	X	READ	BAS
AI	ZONE AIR HUMIDITY	ZN-H	% RH	X	X	READ	BAS
AI	COOLING COIL DISCHARGE TEMPERATURE	CCD-T	DEG F	X		READ	MFR.
AI	ZONE DIFFERENTIAL PRESSURE	ZN-DP	IN H2O	X		READ	BAS
AI	RETURN AIR TEMPERATURE	RA-T	DEG F	X		READ	MFR.
AI	RETURN AIR HUMIDITY	RA-H	%RH	X		READ	MFR.
AI	OUTSIDE AIR FLOW	OA-AF	CFM	X		READ	MFR.
AO	EXHAUST AIR DAMPER OUTPUT	EAD-O	%	X		READ/WRITE	MFR.
AO	OUTSIDE AIR DAMPER OUTPUT	OAD-O	%	X		READ/WRITE	MFR.
AO	EXHAUST FAN SPEED	EAF-F	Hz	X		READ/WRITE	MFR.
AO	SUPPLY FAN SPEED	SAF-F	Hz	X		READ/WRITE	MFR.
AO	COMPRESSOR OUTPUT	COMP-O	%			READ/WRITE	MFR.
AO	HOT GAS REHEAT OUTPUT	HGR-O	%			READ/WRITE	MFR.
BI	SUPPLY FAN STATUS	SAF-S	ON/OFF	X	X	READ	MFR.
BI	EXHAUST FAN STATUS	EAF-S	ON/OFF	X	X	READ	MFR.
BI	ENERGY WHEEL ROTATION STATUS	EW-S	ON/OFF	X	X	READ	MFR.
BI	SUPPLY AIR SMOKE DETECTOR	SSMK-A	ALARM/NORMAL		X	READ	MECH
BI	RETURN AIR SMOKE DETECTOR	RSMK-A	ALARM/NORMAL		X	READ	MECH
BI	DIRTY FILTER STATUS	DFLT-S	ALARM/NORMAL		X	READ	MFR.
BI	COMPRESSOR ALARM	COMP-A	ALARM/NORMAL		X	READ	MFR.
BO	SUPPLY FAN COMMAND	SAF-C	ON/OFF			READ/WRITE	MFR.
BO	EXHAUST FAN COMMAND	EAF-C	ON/OFF			READ/WRITE	MFR.
BO	COOLING COMMAND	CLG-C	ON/OFF			READ/WRITE	MFR.
BO	HEATING COMMAND	HTG-C	ON/OFF			READ/WRITE	MFR.
BO	ENERGY WHEEL COMMAND	EW-C	ON/OFF			READ/WRITE	MFR.

LEGEND: BAS = CONTROL CONTRACTOR, MFR = EQUIPMENT MANUFACTURER, MECH = MECHANICAL CONTRACTOR, ELEC = ELECTRICAL CONTRACTOR

PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.

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ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____

DATE: _____

DATE : 7/14/2025 7:37:11 AM

DGN BY:	MRS
DWN BY:	MRS
CHKD BY:	AL

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: NONE | APPROVED BY: _____ PROPERTY MANAGER

14SW20 | PROFILE SCALE: | DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL CONTROLS

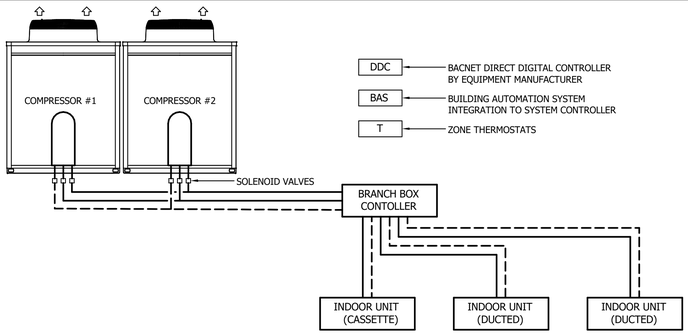
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M601	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 201 OF 302	
DRAWING NUMBER	2024 - 1514
FILE NO.: 8	REV. 00/00



AIR COOLED VARIABLE REFRIGERANT FLOW CONTROL DIAGRAM

SCALE: NONE

AIR COOLED VARIABLE REFRIGERANT FLOW SEQUENCE OF OPERATION AND POINTS LIST

A. General
1. The building automation system (BAS) shall be capable of energizing and de-energizing the Variable Refrigerant Flow System (VRF) per a time of day schedule or operator override.

B. Unoccupied Mode
1. When the VRF is in the unoccupied mode the indoor unit shall be in Auto-Mode and the fan shall be set to Auto. If the zone temperature falls outside of the unoccupied temperature set point, the unit shall modulate to maintain the unoccupied zone temperature set point.

C. Occupied Mode
1. General
   a. VRF shall be in occupied mode automatically based on an occupancy schedule programmed into the BAS or manually through an operator override.
   b. The unit shall be set to control to space temperature set point not return air temperature setpoint.
   c. When the VRF is in the occupied mode, the indoor unit shall be in Auto-Mode and the fan shall be set to Auto.

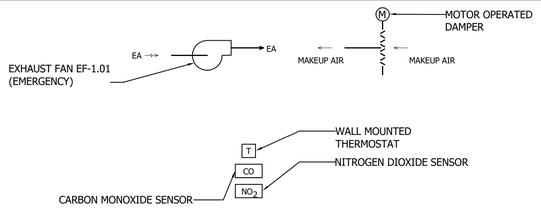
D. Refrigerant Leak Detection (by ATC contractor)
1. General
   a. Refrigerant Leak Detectors shall be provided and installed per the manufacturers recommendations where noted and/or indicated.
   b. Detectors shall be tied to the local VRF thermostat/controller for equipment shutdown. Shutdown shall consist of closing the associated solenoid valves within the branch boxes, and compressor shut down.
2. System Solenoid Valves
   a. Solenoid valves shall be field provided and installed where indicated on the floor plans. Valves shall be normally open.
   b. Valves shall close when: (1) Power is lost. (2) Refrigerant pressure fails below manufacturers low limit. coordinate with manufacturer. (3) Indoor refrigerant leak detector has sensed leakage.
3. Provide an alarm if refrigerant leak is detected. Audible and visual alarm will be set off.

BAS POINTS LIST

TYPE	POINT	POINT ABBREVIATION	UNITS	TREND	ALARM	READ/WRITE	PROVIDER
AI	OPERATION MODE STATUS	MODE-S	AUTO/HEAT/COOL	X	X	READ	MFR.
AI	SYSTEM ERROR CODE	ERROR-CODE	ERROR CODE #		X	READ	MFR.
AI	SET ZONE TEMPERATURE STATUS	ZN-SP	DEG F			READ	MFR.
AI	SET UPPER ZONE TEMPERATURE	ZNSP-HIGH	DEG F	X		READ/WRITE	MFR.
AI	SET LOWER ZONE TEMPERATURE	ZNSP-LOW	DEG F	X		READ/WRITE	MFR.
AI	FAN SPEED STATUS	FANSPEED-S	LO-MED-HI-AUTO	X		READ	MFR.
AO	OPERATION MODE	OPERMODE-C	AUTO/HEAT/COOL	X		READ/WRITE	MFR.
AO	FAN SPEED COMMAND	FANSPEED-C	LO-MED-HI-AUTO			READ/WRITE	MFR.
AI	ZONE TEMPERATURE	ZN-T	DEG F	X	X	READ	MFR.
BI	SYSTEM STATUS	SYSTEM-S	ON/OFF	X		READ	MFR.
BI	GENERAL ALARM	GEN-A	NORMAL/ALARM		X	READ	MFR.
BI	CONDENSATE ALARM	COND-A	NORMAL/ALARM		x	READ	BAS
BO	SYSTEM COMMAND	SYSTEM-C	ON/OFF	X		READ/WRITE	MFR.
BO	LOCK LOCAL COMMAND	LL-C	ENABLE/DISABLED			READ/WRITE	MFR.
BO	LOCK LOCAL MODE	LL-MODE	ENABLE/DISABLED			READ/WRITE	MFR.
BO	LOCK LOCAL FAN SPEED	LL-FS	ENABLE/DISABLED			READ/WRITE	MFR.
BO	LOCK LOCAL TEMPERATURE SETTING	LL-SP	ENABLE/DISABLED			READ/WRITE	MFR.

PROVIDER ABBREVIATION: MFR. = EQUIPMENT MANUFACTURER, MECH. = MECHANICAL CONTRACTOR, BAS = CONTROL CONTRACTOR, ELEC. = ELECTRICAL CONTRACTOR

PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.



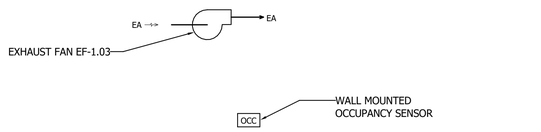
EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.01 & EF-1.02) CONTROL DIAGRAM

SCALE: NONE

General: The primary garage exhaust fan EF-1.02 shall operate continuously. The cooling/emergency exhaust fan EF-1.01 shall be controlled by the Carbon Monoxide and Nitrogen Dioxide Detection Systems. There shall be no central building automation system.

1. Operation:
   A. The set points levels shall be:
      1) Carbon Monoxide: 25 parts per million.
      2) Nitrogen Dioxide: 1 part per million.
   B. Upon the Carbon Monoxide or the Nitrogen Dioxide sensors detecting the gas they monitor for, the motor operated damper shall open, and exhaust fan EF-1.01 shall energize and run continuously.
   C. Upon the Carbon Monoxide or the Nitrogen Dioxide sensors detecting the gas they monitor for has fallen below the threshold, the motor operated damper shall close, and exhaust fan EF-1.01 shall de-energize.
   D. Cooling: Upon the thermostat detecting a temperature above the set point of 85°F., the outdoor air damper shall open and exhaust fan EF-1.01 shall energize and run continuously. Upon the indoor thermostat detecting the referenced set point has been restored, the exhaust fan shall de-energize and the outdoor air damper and exhaust air damper shall close.

EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.01 & EF-1.02) SEQUENCE OF OPERATIONS



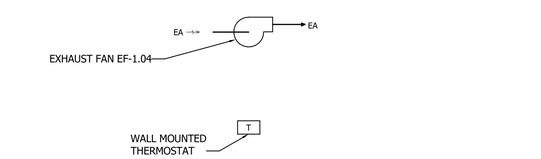
EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.03) CONTROL DIAGRAM

SCALE: NONE

General: The exhaust fan shall be controlled by a wall mounted occupancy sensor. There shall be no central building automation system.

1. Operation:
   A. When the occupancy sensor indicates that the space is occupied, EF-1.03 shall energize and run continuously.
   B. When the occupancy sensor indicates that the space is no longer occupied, EF-1.03 shall de-energize.

EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.03) SEQUENCE OF OPERATIONS



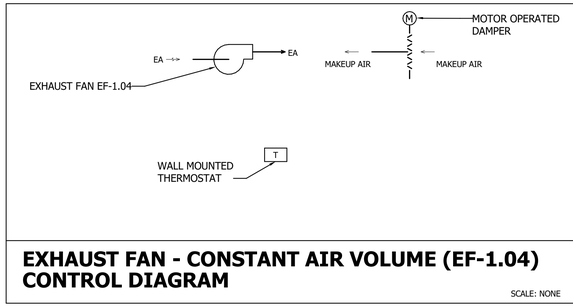
EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.04) CONTROL DIAGRAM

SCALE: NONE

General: The exhaust fan shall be controlled by a wall mounted thermostat. There shall be no central building automation system.

1. Operation:
   A. Cooling: Upon the thermostat detecting a temperature above the set point of 85°F., the outdoor air damper shall open and exhaust fan EF-1.04 shall energize and run continuously. Upon the indoor thermostat detecting the referenced set point has been restored, the exhaust fan shall de-energize and the outdoor air damper and exhaust air damper shall close.

EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.04) SEQUENCE OF OPERATIONS



EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.04) CONTROL DIAGRAM

SCALE: NONE

General: The exhaust fan shall be controlled by a wall mounted thermostat. There shall be no central building automation system.

1. Operation:
   A. Cooling: Upon the thermostat detecting a temperature above the set point of 85°F., the outdoor air damper shall open and exhaust fan EF-1.04 shall energize and run continuously. Upon the indoor thermostat detecting the referenced set point has been restored, the exhaust fan shall de-energize and the outdoor air damper and exhaust air damper shall close.

EXHAUST FAN - CONSTANT AIR VOLUME (EF-1.04) SEQUENCE OF OPERATIONS

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: 7/14/2025 7:37:12 AM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
				GSW	14SW19	PLAN SCALE:	NONE	APPROVED BY: _____ PROPERTY MANAGER
CONTRACT COMPLETION BOX			R.O.W NO.		14SW20	PROFILE SCALE:		DATE: _____

DGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: MRS	REVIEWED BY:							
CHKD BY: AL	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL CONTROLS

NEW BUILDING DESIGN

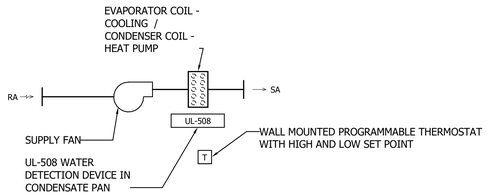
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

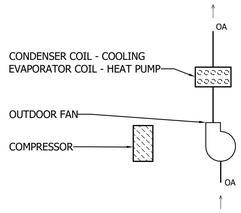
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M602	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 202 OF 302
	DRAWING NUMBER
	2024 - 1515
	FILE NO.: 8

DWG. FILENAME: C:\Users\tmscott\Documents\280601\Wilkens Police Precinct\Central-R21_mscott8RPQP.rvt



DSS-AHU-X.XX: INDOOR AIR HANDLING UNIT



DSS-ASHP-X.XX: OUTDOOR AIR SOURCE HEAT PUMP AND AIR CONDITIONING UNIT

IT ROOM - OUTDOOR AIR SOURCE HEAT PUMP UNIT AND INDOOR DUCTLESS AIR HANDLING UNIT - CONTROL DIAGRAM

SCALE: NONE

IT ROOM - OUTDOOR AIR SOURCE HEAT PUMP UNIT AND INDOOR DUCTLESS AIR HANDLING UNIT - SEQUENCE OF OPERATIONS

1. Vendor shall provide unit(s) with BACnet MSTP Card. The split systems shall have two modes of operation, occupied mode and unoccupied mode. Occupied mode shall be 7:30 AM until 6:00 PM. The user shall have the ability to override unoccupied mode. All times shall be adjustable at the programmable thermostat.

2. Occupied mode:

   A. Set point temperatures:

      1) The upper set point temperature shall be 75°F (adjustable).
      2) The lower set point temperature shall be 70°F (adjustable).

   B. Cooling: Upon the thermostat detecting the temperature is above the upper set point, the fan shall energize and the air source heat pump unit shall energize in cooling mode to restore the referenced set point. The compressor shall have a five (5) minute minimum run time and once the set point is restored, the compressor and fan shall de-energize.

   C. Heating: Upon the thermostat detecting the temperature is below the lower set point, the fan shall energize and the air source heat pump shall energize in heat pump mode to restore the referenced set point. The compressor shall have a five (5) minute minimum run time and once the set point is restored, the compressor and fan shall de-energize.

3. Unoccupied mode: The supply fan AND the air source heat pump unit shall be off except as indicated below:

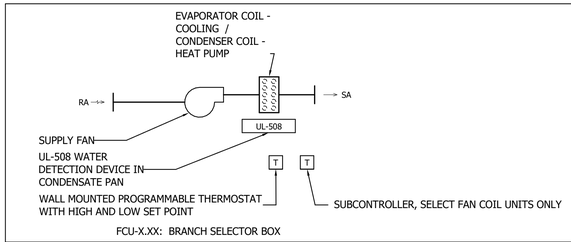
   A. Set back:

      1) The upper set back temperature shall be 78°F (adjustable) and the lower set back temperature shall be 66°F (adjustable).
      2) Upon the thermostat detecting a temperature above the upper set point, the supply fan shall energize and the air source heat pump unit shall energize in cooling mode to restore the referenced set point temperature.
      3) Upon the thermostat detecting a temperature below the lower set point, the supply fan and electric heater shall energize to restore the referenced set point.

4. Defrost Mode: Upon the outdoor unit running in air source heat pump mode and the outdoor coil freezing, the outdoor unit shall run in air conditioning mode as required to defrost the outdoor coil. The electric heat in the indoor unit shall energize.

5. Safeties and alarms: Upon a safety or alarm tripping an alarm shall be sent to the thermostat.

   A. Upon the water-level monitoring device tripping, the unit shall be shut down and manually reset.



FCU-X.XX: BRANCH SELECTOR BOX

BS-X.X: BRANCH SELECTOR BOX

VRF FAN COIL UNIT (FCU-X.XX) - CONSTANT AIR VOLUME

SCALE: NONE

VRF FAN COIL UNIT (FCU-X.XX) - CONSTANT AIR VOLUME

1. Vendor shall provide unit(s) with BACnet MSTP card. The fan coil unit shall have two modes of operation, occupied mode and unoccupied mode. Occupied mode shall be 7:30 AM until 6:00 PM. The user shall have the ability to override unoccupied mode. All times shall be adjustable at the programmable thermostat.

2. Unoccupied Mode
   A. When the VRF is in the unoccupied mode the indoor unit shall be in Auto-Mode and the fan shall be set to Auto. If the zone temperature falls outside of the unoccupied temperature set point, the unit shall modulate to maintain the unoccupied zone temperature set point.

3. Occupied mode:

   A. Set point temperatures:

      1) The upper set point temperature shall be 75°F (adjustable).
      2) The lower set point temperature shall be 70°F (adjustable).

   B. Main-sub thermostats: where indicated on the contract drawings, provide two thermostats in main-sub configuration.
      B.A. MAIN: Temperature sensed at MAIN thermostat. Setpoints and mode adjustable at MAIN.
      B.B. SUB: Setpoints and mode adjustable at SUB. adjustable at SUB.

   C. Cooling: Upon the thermostat detecting the temperature is above the upper set point, the fan shall energize and the branch selector shall divert refrigerant in cooling mode to restore the referenced set point. The fan coil unit shall have a five (5) minute minimum run time.

   D. Heating: Upon the thermostat detecting the temperature is below the lower set point, the fan shall energize and the branch selector box shall divert refrigerant to restore the referenced set point. The fan coil unit shall have a five (5) minute minimum run time.

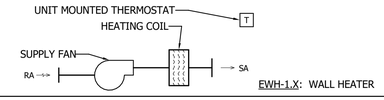
4. Unoccupied mode: The supply fan shall be off except as indicated below:

   A. Set back:

      1) The upper set back temperature shall be 78°F (adjustable) and the lower set back temperature shall be 66°F (adjustable).
      2) Upon the thermostat detecting a temperature above the upper set point, the supply fan shall energize and the branch selector shall divert refrigerant in cooling mode to restore the referenced set point temperature.
      3) Upon the thermostat detecting a temperature below the lower set point, the supply fan shall energize and the branch selector shall divert refrigerant in heat to restore the referenced set point.

5. Safeties and alarms: Upon a safety or alarm tripping an alarm shall be sent to the thermostat.

   A. Upon the water-level monitoring device tripping, the unit shall be shut down and manually reset.
   B. Smoke detectors where indicated shall shut down the associated unit. The supply fan shall be de-energized. An alarm shall be annuciated at the BAS.



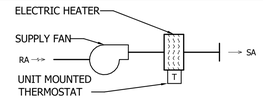
EWH-1.X: WALL HEATER

WALL HEATER - CONTROL DIAGRAM

SCALE: NONE

1. The thermostat setpoint shall be 65°F.
2. Upon the thermostat detecting a temperature below the setpoint, the heating coil and supply fan shall energize.
3. Upon the thermostat detecting a temperature 2°F above the setpoint, the heating coil and supply fan shall de-energize.

WALL HEATER (EWH-1.XX) - SEQUENCE OF OPERATIONS



UH-1.XX: ELECTRIC UNIT HEATER

ELECTRIC UNIT HEATER - CONSTANT AIR VOLUME, ELECTRIC HEATING (UH-1.XX) CONTROL DIAGRAM

SCALE: NONE

1. General: The unit heater shall be controlled by a unit mounted thermostat provided by the equipment manufacturer. There shall be no central building automation system. The temperature setting shall be adjustable at the thermostat.

   A. Verify equipment counts with the contract drawings.

2. Operation:

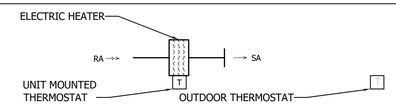
   A. Set Point Temperature: The set point temperature shall be 65°F.

   B. Heating Mode: Upon the thermostat detecting the temperature is below the set point, the supply fan and electric heater shall energize. Upon the thermostat detecting the set point has been restored, the electric heater and supply fan shall de-energize.

3. Safeties:

   A. The electric heater shall be equipped with an automatic shut-off to prevent the unit from overheating.

ELECTRIC UNIT HEATER - CONSTANT AIR VOLUME, ELECTRIC HEATING (UH-1.XX) SEQUENCE OF OPERATIONS



EH-2: ELECTRIC CEILING HEATER

ELECTRIC CEILING HEATER - CONVECTION, ELECTRIC HEATING (ECH-1.01) CONTROL DIAGRAM

SCALE: NONE

1. General: The ceiling heater shall be controlled by a unit mounted thermostat provided by the equipment manufacturer. There shall be no central building automation system. The temperature setting shall be adjustable at the thermostat.

2. Operation:

   A. Set Point Temperature: The set point temperature shall be 60°F.

   B. Heating Mode: Upon the unit mounted thermostat detecting the temperature is below the set point, the electric heater shall energize. Upon the unit mounted thermostat detecting the set point has been restored, the electric heater shall de-energize. Upon the outdoor air temperature rising above 45°F, the electric heater shall de-energize and be locked out until the outdoor air temperature falls below 45°F.

3. Safeties:

   A. The electric heater shall be equipped with an automatic shut-off to prevent the unit from overheating.

ELECTRIC CEILING HEATER - CONVECTION, ELECTRIC HEATING (ECH-1) SEQUENCE OF OPERATIONS

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottR83PQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: 7/14/2025 7:37:12 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	NONE
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL CONTROLS

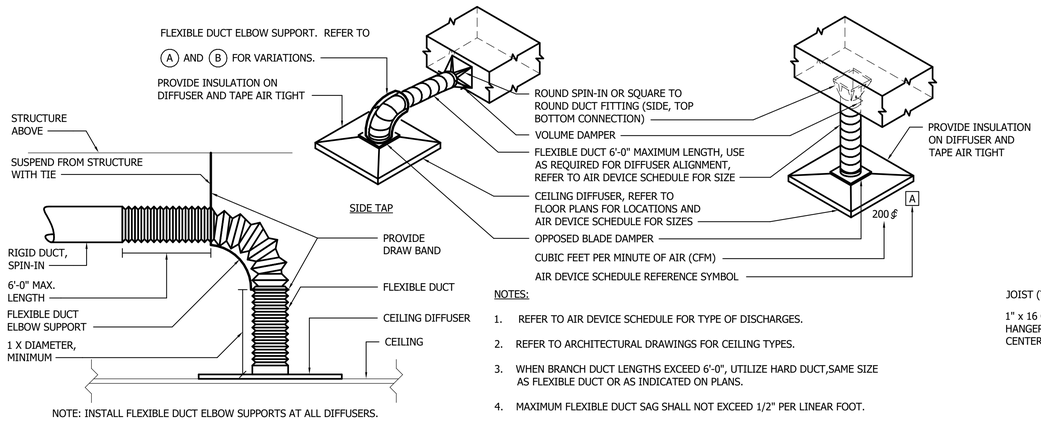
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M603	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 203 OF 302	
DRAWING NUMBER	2024 - 1516
FILE NO.: 8	REV. 0/0/20



NOTE: INSTALL FLEXIBLE DUCT ELBOW SUPPORTS AT ALL DIFFUSERS.

A CEILING DIFFUSER CONNECTION

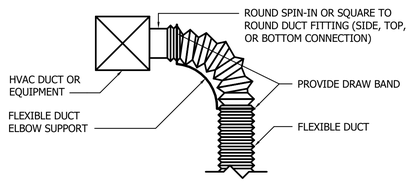
SCALE: NONE

NOTES:

1. REFER TO AIR DEVICE SCHEDULE FOR TYPE OF DISCHARGES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
3. WHEN BRANCH DUCT LENGTHS EXCEED 6'-0", UTILIZE HARD DUCT,SAME SIZE AS FLEXIBLE DUCT OR AS INDICATED ON PLANS.
4. MAXIMUM FLEXIBLE DUCT SAG SHALL NOT EXCEED 1/2" PER LINEAR FOOT.
5. FLEXIBLE DUCT ELBOW SUPPORTS SHALL BE ATTACHED TO FLEXIBLE DUCTS UTILIZING MANUFACTURER RECOMMENDED DRAW BANDS.

DETAIL - TYPICAL CEILING DIFFUSER / FLEXIBLE DUCT CONNECTIONS

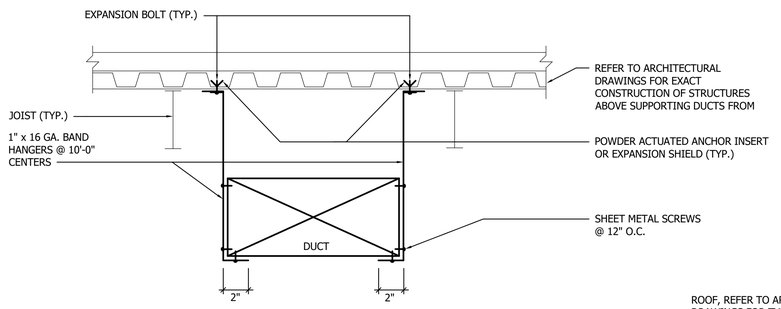
SCALE: NONE



NOTE: INSTALL FLEXIBLE DUCT ELBOW SUPPORTS AT ALL FLEXIBLE DUCT 90° BENDS.

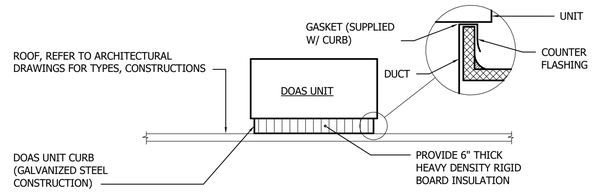
B FLEXIBLE DUCT CONNECTION TO DUCT BRANCH

SCALE: NONE



DETAIL - TYPICAL DUCT HANGING SUPPORT

SCALE: NONE

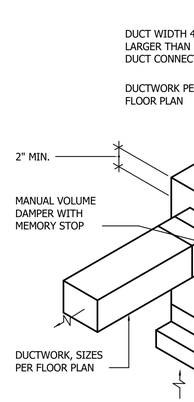


NOTE:

1. ROOF CURBS SHALL BE FACTORY CONSTRUCTED EXCEPT AS OTHERWISE INDICATED & SHALL BE OF GALVANIZED STEEL CONSTRUCTION.

DETAIL - TYPICAL DEDICATED OUTDOOR AIR UNIT CURB FLASHING

SCALE: NONE

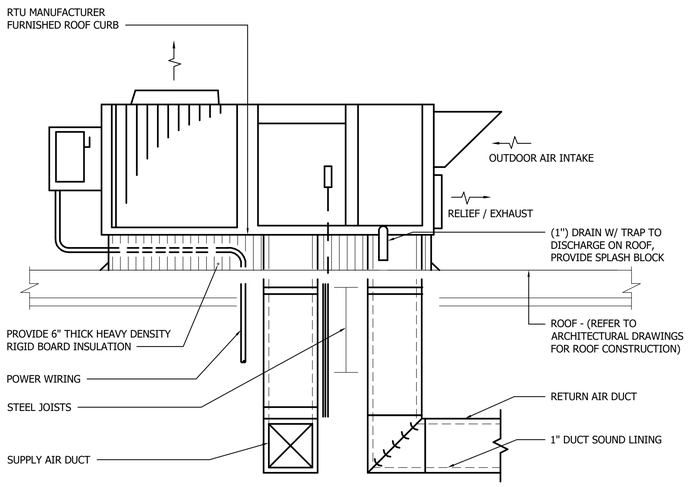


NOTE:

1. RETURN DUCT PERTINENT TO DUCTED RETURN SYSTEM(S) ONLY.

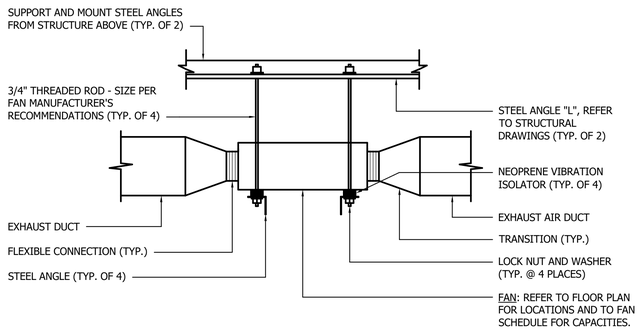
DETAIL - TYPICAL RETURN / EXHAUST AIR DUCT DEVICE CONNECTION

SCALE: NONE



DETAIL - TYPICAL DEDICATED OUTDOOR AIR SUPPLY UNIT MOUNTING

SCALE: NONE



NOTES:

1. STEEL ANGLE SIZES SHALL BE AS RECOMMENDED BY STRUCTURAL ENGINEER.
2. FOR CAPACITIES OF FANS REFER TO FAN SCHEDULE.

DETAIL - TYPICAL IN-LINE FAN MOUNTING

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\289601-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE : 7/14/2025 7:37:12 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	GSW	14SW19
R.O.W. NO.		14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

DGN BY: MRS; DRN BY: MRS; CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL DETAILS

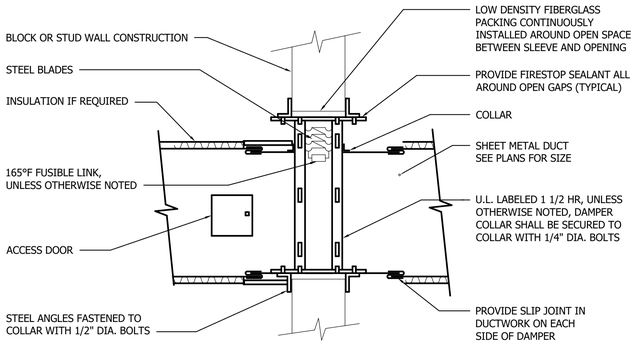
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

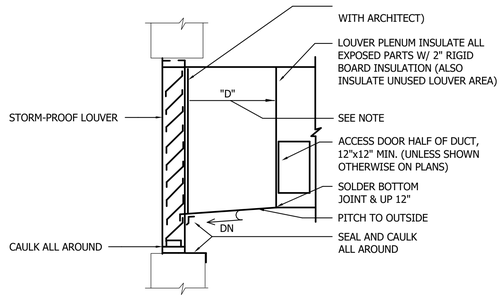
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M701	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 204 OF 302	
DRAWING NUMBER	2024 – 1517
FILE NO.: 8	REV. 00/00



DETAIL - TYPICAL VERTICAL MOUNTED FIRE DAMPER

SCALE: NONE

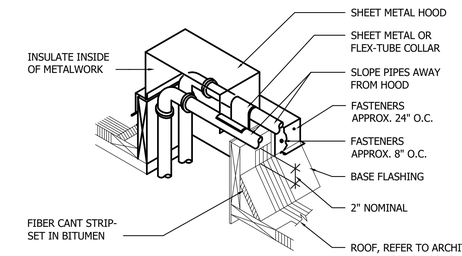


NOTE:

1. WHEN "D" IS OVER 24" PROVIDE 3/4" DRAIN AT 5'-0" CENTERS (IF DEPTH INTO PAPER IS GREATER THAN 5'-0"), 6" FROM LOUVER WITH TRAP.

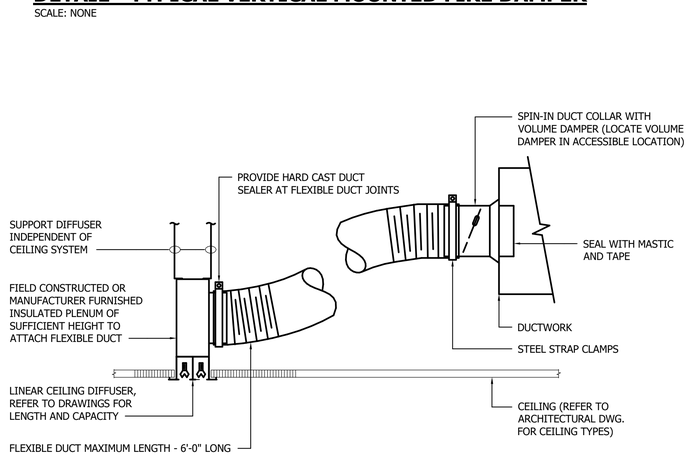
DETAIL - TYPICAL LOUVER CONNECTION

SCALE: NONE



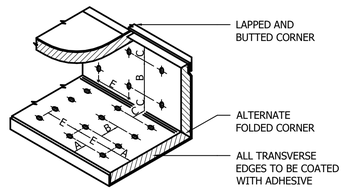
DETAIL - TYPICAL REFRIGERANT PIPING PENETRATION THROUGH ROOF

SCALE: NONE



DETAIL - TYPICAL LINEAR SLOT DIFFUSER INSTALLATION

SCALE: NONE



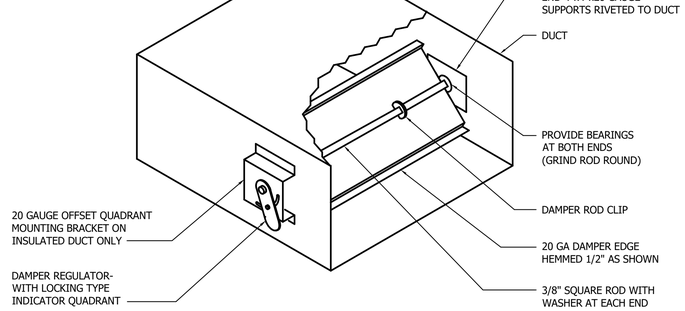
VELOCITY	MAX SPACING FOR FASTENERS			
	A	B	C	E
LOW - 2 INCH S.P. & LESS	3"	12"	4"	18"
MED - 3 INCH S.P. & GREATER	3"	6"	4"	16"

NOTES:

1. LINER SHALL BE ADHERED TO THE DUCT WITH 100% MIN. AREA COVERAGE OF ADHESIVE.
2. THE VELOCITY RATED SIDE OF THE LINER MUST FACE THE AIR FLOW.

DETAIL - TYPICAL DUCT LINER INSTALLATION

SCALE: NONE



NOTE:

1. FOR DUCTS UP TO 12" HIGH.

DETAIL - TYPICAL LOW PRESSURE BALANCING / VOLUME DAMPER (DUCTS UP TO 12" HIGH)

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\290601-Wilkens Police Precinct-Central-R21_mscottBKNQP.rvt

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PROFESSIONAL CERTIFICATION

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ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: NONE
PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL DETAILS

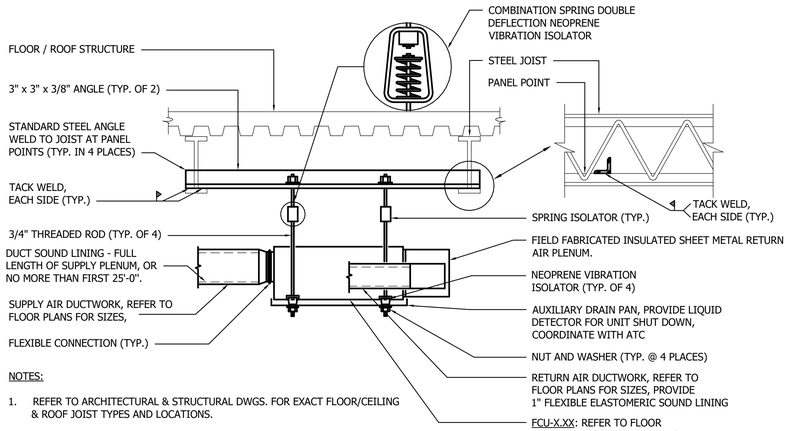
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M702	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 205 OF 302	
DRAWING NUMBER	2024 - 1518
FILE NO.: 8	REV. 0

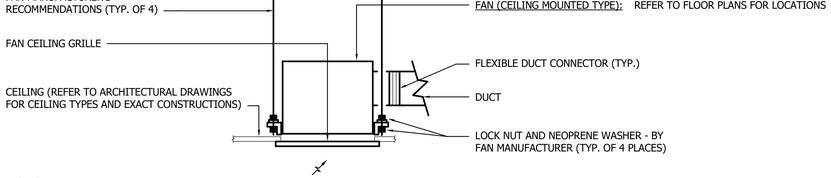


NOTES:

1. REFER TO ARCHITECTURAL & STRUCTURAL DWGS. FOR EXACT FLOOR/CEILING & ROOF JOIST TYPES AND LOCATIONS.
2. ALL HANGERS/SUPPORT RODS USED IN HANGING THE UNIT SHALL NOT INTERFERE WITH ACCESS TO FILTERS, CONTROLS, OR ANY OTHER ACCESS REQUIREMENTS TO THE UNIT.
3. REFER TO PLUMBING PLANS FOR CONDENSATE DRAIN DISCHARGE, PROVIDE CONDENSATE PUMP.

DETAIL - TYPICAL FAN COIL UNIT MOUNTING / SUPPORT ABOVE CEILING FROM STEEL JOISTS

SCALE: NONE

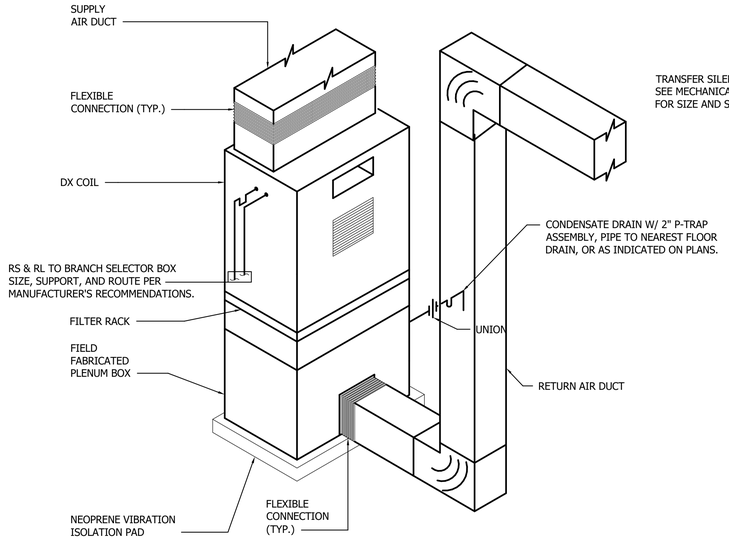


NOTES:

1. ALL FAN COMPONENTS - MOTOR, ELECTRICAL, ETC.. SHALL BE SERVICEABLE THROUGH REMOVABLE UNIT MOUNTED CEILING GRILLE.
2. COORDINATE FINAL SIZE OF STEEL ANGLES, ALL THREAD RODS, AND HARDWARE WITH FAN MANUFACTURER PRIOR TO FABRICATING.
3. FOR CAPACITIES OF FANS REFER TO FAN SCHEDULE.

DETAIL - TYPICAL CEILING MOUNTED EXHAUST FAN MOUNTING

SCALE: NONE

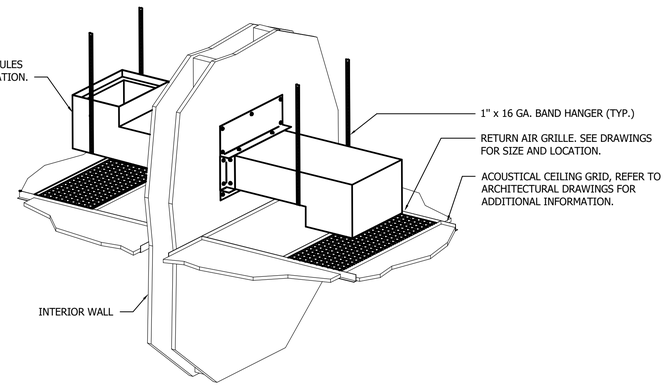


NOTES:

1. MOUNT AIR HANDLING UNIT ON NEOPRENE PADS IN QUANTITIES, LOCATIONS, AND OF SIZES AS RECOMMENDED BY UNIT MANUFACTURER.

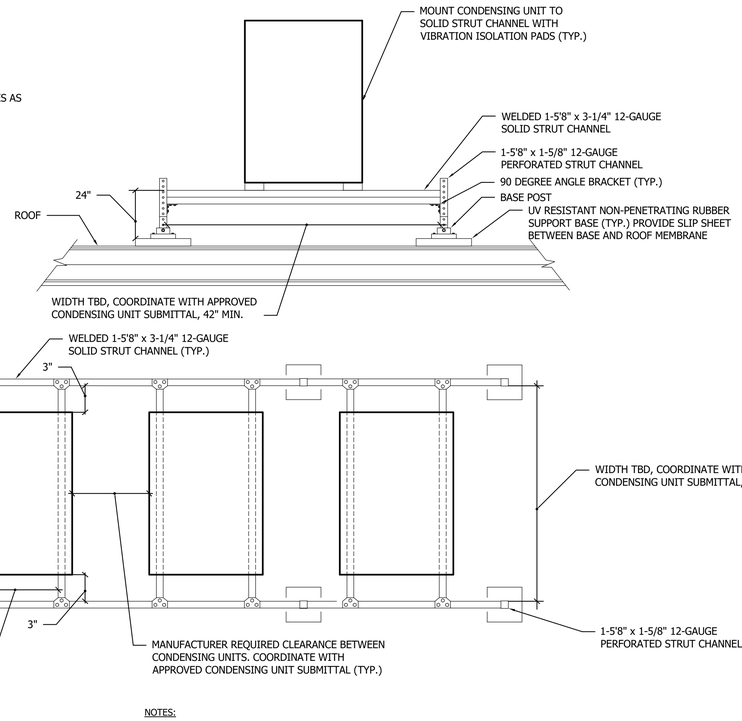
DETAIL - TYPICAL VERTICAL FLOOR MOUNTED AIR HANDLER

SCALE: NONE



DETAIL - TYPICAL TRANSFER SILENCER

SCALE: NONE



NOTES:

1. ALL STEEL SUPPORTS SHALL BE HOT DIPPED GALVANIZED.
2. MAXIMUM TOTAL WEIGHT NOT TO EXCEED 2000 LBS, 500 LBS. MAX PER UNIT.
3. ANCHOR STAND TO ROOF STRUCTURE VIA WIRES ATTACHED TO THE SUPPORT FRAME. MINIMUM 4 CONNECTION POINTS. COORDINATE ROOF ANCHOR LOCATIONS WITH STRUCTURAL DIVISION.
4. DELEGATED DESIGN: ANCHOR STAND TO ROOF STRUCTURE VIA WIRES/STANCHIONS/POSTS ATTACHED TO THE SUPPORT FRAME. MINIMUM 4 CONNECTION POINTS. COORDINATE ROOF ANCHOR LOCATIONS WITH STRUCTURAL DIVISION. IF AHJ REQUIRES CATWALK FOR EQUIPMENT MAINTENANCE, CATWALK SHALL BE INCLUDED AS PART OF THE DELEGATED DESIGN.

DETAIL - NON-PENETRATING CONDENSING UNIT STANDS (3 UNITS)

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottBSNQP.rvt

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DATE : 7/14/2025 7:37:12 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	NONE
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: MRS	REVIEWED BY:							
CHKD BY: AL	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M703	24111 PPO
	JOB ORDER NUMBER 300200006
	SHEET 206 OF 302
	DRAWING NUMBER 2024 - 1519
	FILE NO.: 8

ELECTRIC WALL/CEILING HEATER SCHEDULE

HEATER DESIGNATION	AREA SERVED	MOUNTING TYPE	CAPACITY (BTUH)	ELECTRICAL CHARACTERISTICS		THERMOSTAT TYPE	BASIS OF DESIGN		NOTES
				WATTS/KW	V/Ø/HZ	INTEGRAL/ REMOTE	MFGR.	MODEL	
ECH-1.01	VESTIBULE [001]	CRM	13.7	4 kW	208/1/60	I	BERKO	FFCH548	1,2,3,4,5
EWH-1.01	STAIR 1 [S02]	WSM	13.7	3 kW	208/1/60	I	QMARK	AWH4404F	1,2,3,4,5
EWH-1.02	STAIR 2 [S01]	WSM	13.7	3 kW	208/1/60	I	QMARK	AWH4404F	1,2,3,4,5

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH HEATERS.
2: COORDINATE FINAL MOUNTING HEIGHT OF WALL HEATER WITH ARCHITECT.
3: UNIT SHALL BE PROVIDED WITH THERMAL OVERLOAD PROTECTION.
4: PROVIDE COLOR CHART FOR ARCHITECT SELECTION.
5: PROVIDE INTEGRAL DISCONNECT SWITCH.

WALL MOUNTING TYPE:
WSM = WALL SURFACE MOUNTED

CEILING MOUNTED TYPE:
CRM = CEILING RECESSED MOUNTED

THERMOSTAT TYPE:
I = INTERGRAL
R = REMOTE

ELECTRIC UNIT HEATER SCHEDULE

UNIT HEATER DESIGNATION	AREA SERVED	DISCHARGE TYPE	FAN			ELECTRICAL CHARACTERISTICS				THERMOSTAT TYPE	BASIS OF DESIGN		NOTES
		VERTICAL/ HORIZONTAL	CFM	WATTS	MOTOR RPM	HEATER KW	MCA	MOCP	V/Ø/HZ		MFGR.	MODEL	
UH-1.01	EMER. ELEC. [114]	HORIZONTAL	270	6	1350	3.1	18.5	-	208/1/60	I	QMARK	MWUH5004	1,2,3,4,5,6
UH-1.02	MAIN ELEC. [113]	HORIZONTAL	270	6	1350	3.1	18.5	-	208/1/60	I	QMARK	MWUH5004	1,2,3,4,5,6
UH-1.03,04,05,06	SALLYPORT	HORIZONTAL	270	6	1350	3.1	18.5	-	208/1/60	I	QMARK	MWUH5004	1,2,3,4,5,6

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH ELECTRIC UNIT HEATER.
2: PROVIDE WITH THERMOSTAT, TYPE AS INDICATED ON SCHEDULE ABOVE.
3: PROVIDE DISCHARGE AS INDICATED ON SCHEDULE ABOVE.
4: SUPPORT UNIT HEATER FROM CEILING OR WALL STRUCTURE UTILIZING UNIT HEATER MANUFACTURER'S RECOMMENDED SUPPORT METHODS & HARDWARE.
5: UNIT SHALL BE PROVIDED WITH THERMAL OVERLOAD PROTECTION.
6: PROVIDE INTEGRAL DISCONNECT SWITCH.

THERMOSTAT TYPE:
I = INTEGRAL
R = REMOTE

EXHAUST FAN SCHEDULE

FAN DESIGNATION	AREA SERVED	CFM	ESP (IN H20)	DRIVE	FAN TYPE	HP (WATTS)	BHP	FAN RPM	SOUND LEVEL (SONES)	ELEC. (V/Ø/HZ)	BASIS OF DESIGN		ACCESSORIES	NOTES
				BELT (BD) / DIRECT (DD)							MFGR.	MODEL		
EF-1.01	SALLY PORT [150]	750	0.40	DD	I.L.	0.25	0.17	1140	6.4	115/60/1	GREENHECK	SQ-130-VG	A-G, J	1
EF-1.02	SALLY PORT [150]	57	0.26	DD	I.L.	0.25	0.01	1300	2.4	115/60/1	GREENHECK	SQ-70	A-G, I	1
EF-1.03	G.C. [116]	110	0.48	DD	CLG.	(12)	-	960	3	115/60/1	GREENHECK	SP-A90-130-VG	A-D, H	1
EF-1.04	MAIN ELEC. [113]	750	0.25	DD	I.L.	(110)	0.15	959	1.3	115/60/1	GREENHECK	CSP-A1050-VG	A-G	1

ACCESSORIES:
A: DISCONNECT SWITCH
B: BACKDRAFT DAMPER
C: BIRDSCREEN
D: HANGING BRACKET WITH VIBRATION ISOLATOR
E: WALL MOUNTED THERMOSTAT
F: WL WALL LOUVER DISCHARGE
G: MOTOR SIDE FAN GUARD
H: WALL MOUNTED OCCUPANCY SENSOR
I: FAN SHALL RUN CONTINUOUSLY
J: CO, NO2 SENSOR - REFER TO SEQUENCE OF OPERATIONS

FAN TYPES:
I.L. = IN LINE
CLG. = CEILING

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH FAN.

TRANSFER SILENCER SCHEDULE

TYPE	DUTY	CFM RANGE		HEIGHT	LENGTH	WIDTH	THICKNESS	MAX PD (IN WG)	MAX NECK VELOCITY	NOISE REDUCTION (dB @ Hz)							BASIS OF DESIGN		NOTES
		MIN	MAX							63	125	250	500	1k	2k	4k	8k	MFGR.	MODEL	
T1	TRANSFER	0	460	10"	36"	48"	7"	0.04	200	13	11	17	28	39	40	32	26	PRICE	XTU	1,2,3

NOTES:
1: PROVIDE FIBERGLASS LINER.
2: TESTED IN ACCORDANCE WITH ASTM E477-20.
3: VELOCITY BASED ON CROSS-SECTIONAL AREA (THICKNESS x WIDTH).

AIR DEVICE SCHEDULE

TYPE	DUTY	CFM RANGE		INLET NECK SIZE	FACE SIZE	MAX N.C.	MAX PD (IN WG)	MAX NECK VELOCITY	BASIS OF DESIGN		NOTES
		MIN	MAX						MFGR.	MODEL	
S1	SUPPLY	0	135	6"Ø	24x24	<20	0.03	700	PRICE	SPD	1,2,3,4,5,6
		136	240	8"Ø		<20	0.03				
		241	375	10"Ø		<20	0.03				
S2		0	40	4"Ø	12x12	<20	0.03	500			
		41	100	6"Ø		<20	0.03				
		101	175	8"Ø		<20	0.03				
S3		0	140	2 - 3/4" SLOT - 7"Ø INLET	4'-0"	<20	0.090	-	PRICE	SDS W/ SDB PLENUM	1,2,3,4,5,6
		280	295	3 - 3/4" SLOT - 8"Ø INLET	4'-0"	31	0.140	-			1,2,3,4,5,6,7
S4		0	100	6x6	8x8	<20	0.03	500	PRICE	510	1,2,3,4,5,6
		101	250	8x8	10x10	<20	0.03				
		251	400	18x8	20x10	<20	0.03				
S5		125	200	8x8	10x10	<20	0.13	500	PRICE	MSPG	1,2,3,4,5,6,7
S6		0	100	9x9	12.25x12.25	<20	0.05	300	PRICE	MSRRCD	1,2,3,4,5,6,7
		101	200	12x12	15.25x15.25	<20	0.08				
		201	500	18x18	21.25x21.25	<20	0.05				
R1	FILTERED RETURN	0	1300	22x22	24x24	<20	0.2 W/ FILTER	375	PRICE	10FF	1,2,3,5,6
R2	RETURN	0	880	22x22	24x24	<20	0.03	200	PRICE	10	1,2,3,5,6,9
R3	RETURN	0	880	20x22	24x24	<20	0.03	200	PRICE	530	1,2,3,5,6
E1	EXHAUST	175	275	10"Ø	24x24	<20	0.05	500	PRICE	PDDR	1,2,3,5,6
		276	400	12"Ø		<20	0.05				
E2		0	100	6"Ø	12x12	<20	0.05	500			
		101	175	8"Ø		<20	0.05				
E3	EXHAUST	0	150	8x8	9-3/4x9-3/4	<20	0.05	500	PRICE	530	1,2,3,5,6
		151	250	10x10	11-3/4x11-3/4	<20	0.05				
		251	400	18x8	19-3/4x9-3/4	<20	0.05				
E4/R4	EXHAUST/RETURN	0	100	8x8	10x10	<20	0.10	300	PRICE	MSPG	1,2,3,5,6,7
		101	200	10x10	12x12	<20	0.06				
		201	500	14x14	16x16	<20	0.10				
		251	1095	20x20	22x22	<20	0.06				

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH AIR DEVICE.
2: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING TYPES.
3: ALL SUPPLY, RETURN, EXHAUST, TRANSFER, AND RELIEF GRILLES SHALL BE CENTERED IN THE CEILING TILE CLOSEST TO THE LOCATION INDICATED ON PLANS.
4: ALL SUPPLY AIR DIFFUSERS ARE 4-WAY BLOW UNLESS OTHERWISE NOTED.
5: AIR DEVICE SHALL BE ALUMINUM CONSTRUCTION IN SHOWER/LOCKER ROOM AREAS.
6: MAXIMUM STATIC PRESSURE FOR SUPPLY AIR DIFFUSERS AND RETURN/EXHAUST AIR DEVICES SHALL NOT EXCEED 0.08 INCHES OF H20 UNLESS OTHERWISE NOTED.
7: MINIMUM VERTICAL THROW = 25'-0".
8: MAXIMUM SECURITY.
9: PROVIDE MANUFACTURER RETURN AIR CANOPY.

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR85QP.rvt

SEAL

DATE : 7/14/2025 7:37:13 AM

PROFESSIONAL CERTIFICATION
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LICENSE NO. _____, EXPIRATION DATE _____.
ENGINEER: _____
AS-BUILT PER RECORD PRINT
BY: _____
DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.
CONTRACT COMPLETION BOX | R.O.W NO.

KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20
PLAN SCALE: NONE
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
MECHANICAL SCHEDULES
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M801	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 207 OF 302	
DRAWING NUMBER	2024 - 1520
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VRF SYSTEM SCHEDULE

INDOOR UNIT																											OUTDOOR UNIT												NOTES
UNIT DESIGNATION	UNIT LOCATION	UNIT ARRANGEMENT	SUPPLY FAN		COOLING				HEAT PUMP HEATING (AT 43°F)	OCTAVE SOUND BAND (DB)									TOTAL INDOOR UNIT ELECTRICAL			BASIS OF DESIGN			BRANCH BOX SELECTOR				UNIT DESIGNATION	COOLING CAPACITY (AT 95°F)		HEATING CAPACITY (AT 0°F)		UNIT EFF. EER	TOTAL OUTDOOR UNIT ELECTRICAL				WEIGHT (LBS)	BASIS OF DESIGN		
			DESIGN CFM	ESP (IN H2O)	TOTAL MBH	SENSIBLE MBH	EAT DB (°F)	EAT WB (°F)	MBH	63	125	250	500	1k	2k	4k	8k	MCA	MOP (A)	(V/Ø/HZ)	MFGR.	MODEL	DESIGNATION	ELECTRICAL MCA	ELECTRICAL (V/Ø/HZ)	MODEL #		NOMINAL (MBH)	ACTUAL (MBH)	NOMINAL (MBH)	ACTUAL (MBH)		# OF POWER CONNECTIONS	MCA	MOCP	V/Ø/HZ		MFGR.	MODEL	
FCU-1.01	M. PEN.	MULTI-POSITION AIR HANDLER	1095	0.8	33.6	25.9	75.0	62.5	40.0	50	53	47	42	37	35	30	28	4.13	15			TPVFYP036AM141A																		1 THRU 12
FCU-1.02	CONTROL DESK	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-1.03	F. PEN.	MULTI-POSITION AIR HANDLER	735	0.8	22.4	17.3	75.0	62.5	27.0	45	49	42	40	35	31	29	25	3	15			TPVFYP024AM141A																		1 THRU 12
FCU-1.04	PROC. AREA	MULTI-POSITION AIR HANDLER	1095	0.8	33.6	25.9	75.0	62.5	40.0	50	53	47	42	37	35	30	28	4.13	15			TPVFYP036AM141A																		1 THRU 12
FCU-1.05	PROC. AREA	MULTI-POSITION AIR HANDLER	1400	0.8	44.8	33.8	75.0	62.5	54.0	56	49	46	40	42	36	36	31	5.63	15	208/1/60	MITSUBISHI	TPVFYP048AM141A	BS-1.1	1.19	208/1/60	TCMBM1012JA11N4	CU-1.1	216.0	196.0	243.0	113.0	11.2	1	41.0	70.0	460/3/60	918.0	MITSUBISHI	TURYE2164AN41AN	1 THRU 12
FCU-1.06A/B/C	CORD.	CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
FCU-1.07	FRONT DESK	CEILING-CASSETTE (FOUR-WAY)	390	N/A	14.0	9.9	75.0	62.5	17.0	53	53	42	40	34	25	21	16	0.35	15			TPLFYP015FM140A																		1 THRU 12
FCU-1.26	OFF. SUPP.	CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15	208/1/60	MITSUBISHI	TPLFYP005FM140A																		1 THRU 12
FCU-1.08A/B/C	CORD.	CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
FCU-1.09	MUD RM/COATS	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-1.10	REPORT WRITING	CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
FCU-1.11A/B	EVID. PROC.	CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15	208/1/60	MITSUBISHI	TPLFYP005FM140A	BS-1.2	1.19	208/1/60	TCMBM1012JA11N4	CU-1.2	120.0	102.7	120.0	74.0	13.2	1	26.0	40.0	460/3/60	657.0	MITSUBISHI	TURYE1204AN41AN	1 THRU 12
FCU-1.13	MECH.	CEILING-CASSETTE (FOUR-WAY)	1095	N/A	33.6	25.0	75.0	62.5	40.0	60	60	51	46	41	31	24	21	0.92	15			TPLFYP036EM140B																		1 THRU 12
FCU-1.14A/B	INT	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-1.15	GEAR	CEILING-CONCEALED (DUCTED)	370	0.6	11.2	8.3	75.0	62.5	13.5	53	51	40	36	34	24	18	15	2.13	15			TPEFYP012MA144A																		1 THRU 12
FCU-1.16A/B	ARMORY	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-1.17A/B/C	CORD.	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-1.18	ROLL CALL	MULTI-POSITION AIR HANDLER	735	0.8	22.4	17.3	75.0	62.5	27.0	45	49	42	40	35	31	29	25	3	15			TPVFYP024AM141A																		1 THRU 12
FCU-1.19	COMMUNITY ROOM	MULTI-POSITION AIR HANDLER	875	0.8	28.0	21.8	75.0	62.5	34.0	48	51	44	40	35	33	28	26	4.13	15			TPVFYP030AM141A																		1 THRU 12
FCU-1.20	CORD.	CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15	208/1/60	MITSUBISHI	TPLFYP012FM140A	BS-1.3	1.19	208/1/60	TCMBM1012JA11N4	CU-1.3	144.0	134.8	160.0	88.6	12.3	1	35.0	50.0	460/3/60	715.0	MITSUBISHI	TURYE1444AN40AN	1 THRU 12
FCU-1.21	SHIFT LEADERS-A	CEILING-CONCEALED (DUCTED)	600	0.6	16.8	13.7	75.0	62.5	20.0	55	55	43	42	37	27	22	17	2.94	15			TPEFYP018MA144A																		1 THRU 12
FCU-1.22	SHIFT LEADERS-B	CEILING-CONCEALED (DUCTED)	880	0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12
FCU-1.23	SHIFT LEADERS-C	CEILING-CONCEALED (DUCTED)	880	0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12
FCU-1.24	WORK RM	CEILIING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
FCU-1.12	WELLNESS	CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
FCU-2.01	CAPTAIN'S OFFICE	CEILING-CONCEALED (DUCTED)	495	0.6	14.0	11.3	75.0	62.5	17.0	53	53	42	40	34	25	21	16	2.88	15			TPEFYP015MA144A																		1 THRU 12
FCU-2.02	CONFERENCE	CEILING-CONCEALED (DUCTED)	495	0.6	14.0	11.3	75.0	62.5	17.0	53	53	42	40	34	25	21	16	2.88	15			TPEFYP015MA144A																		1 THRU 12
FCU-2.03	BREAK ROOM	CEILING-CONCEALED (DUCTED)	880	0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12
FCU-2.04	CONFERENCE/FLEX	CEILING-CONCEALED (DUCTED)	600	0.6	16.8	13.7	75.0	62.5	20.0	55	55	43	42	37	27	22	17	2.94	15	208/1/60	MITSUBISHI	TPEFYP018MA144A	BS-2.1	0.83	208/1/60	TCMBM0108JA11N4	CU-2.1	120.0	108.4	135.0	108.4	13.2	1	26.0	40.0	460/3/60	657.0	MITSUBISHI	TURYE1204AN41AN	1 THRU 12
FCU-2.05	CAP. SUITE	CEILING-CONCEALED (DUCTED)	880	0.6	28.0	20.7	75.0	62.5	34.0	56	53	48	42	39	31	25	21	2.7	15			TPEFYP030MA144A																		1 THRU 12
FCU-2.06	TRAFFIC/BPI	CEILING-CONCEALED (DUCTED)	600	0.6	16.8	13.7	75.0	62.5	20.0	55	55	43	42	37	27	22	17	2.94	15			TPEFYP018MA144A																		1 THRU 12
FCU-2.07	OFFICE SUPPLY	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-2.08A/B/C	CORD.	CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	280	N/A	4.7	4.3	75.0	62.5	5.6	41	35	33	29	22	16	12	10	0.24	15			TPLFYP005FM140A																		1 THRU 12
FCU-2.09	C.A.T.	CEILING-CONCEALED (DUCTED)	880	0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12
FCU-2.10	INVESTIGATIVE SERVICE TEAM	CEILING-CONCEALED (DUCTED)	880	0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12
FCU-2.11	LT OFFICE	CEILING-CONCEALED (DUCTED)	300	0.6	5.6	5.6	75.0	62.5	6.7	40	36	36	31	27	21	15	10	1.75	15	208/1/60	MITSUBISHI	TPEFYP006MA144A	BS-2.2	1.19	208/1/60	TCMBM1012JA11N4	CU-2.2	168.0	159.1	188.0	104.9	11.55	1	35.0	50.0	460/3/60	807.0	MITSUBISHI	TURYE1684AN41AN	1 THRU 12
FCU-2.12	OUT./SRO/DVC	CEILING-CONCEALED (DUCTED)	600	0.6	16.8	13.7	75.0	62.5	20.0	55	55	43	42	37	27	22	17	2.94	15			TPEFYP018MA144A																		1 THRU 12
FCU-2.13	CORD.	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
FCU-2.14	LOUNGE	CEILING-CONCEALED (DUCTED)	880	0.6	28.0	21.5	75.0	62.5	34.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP030MA144A																		1 THRU 12
FCU-2.16	FITNESS	CEILING-CONCEALED (DUCTED)	1270	0.6	33.6	28.2	75.0	62.5	40.0	60	60	51	46	41	31	24	21	4.25	15			TPEFYP036MA144A																		1 THRU 12
FCU-2.17A/B	CORD.	CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
FCU-2.18	WELLNESS	CEILING-CASSETTE (FOUR-WAY)	335	N/A	11.2	8.1	75.0	62.5	13.5	40	37	37	33	28	22	16	11	0.29	15			TPLFYP012FM140A																		1 THRU 12
FCU-2.19A/B	GN. LOCKER RM	CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15			TPLFYP008FM140A																		1 THRU 12
		CEILING-CASSETTE (FOUR-WAY)	315	N/A	7.5	6.2	75.0	62.5	9.0	40	36	36	31	27	21	15	10	0.28	15	208/1/60	MITSUBISHI	TPLFYP008FM140A	BS-2.3	0.83	208/1/60	TCMBM0108JA11N4	CU-2.3	192.0	168.5	215.0	99.1	11.75	1	38.0	60.0	460/3/60	918.0	MITSUBISHI	TURYE1924AN40AN	1 THRU 12
FCU-2.20	MEN'S LOCKER RM	CEILING-CONCEALED (DUCTED)	1300	0.6/0.6	44.8	33.5	75.0	62.5	54.0	60	58	49	45	40	31	26	23	4.38	15			TPEFYP048MA144A																		1 THRU 12
FCU-2.21	MEN'S LOCKER RM	CEILING-CONCEALED (DUCTED)	1300	0.6/0.6	44.8	33.5	75.0	62.5	54.0	60	58	49	45	40	31	26	23	4.38	15			TPEFYP048MA144A																		1 THRU 12
FCU-2.22	WOMEN'S LOCKER RM	CEILING-CONCEALED (DUCTED)	1270	0.6/0.6	33.6	28.2	75.0	62.5	40.0	60	60	51	46	41	31	24	21	4.25	15			TPEFYP036MA144A																		1 THRU 12
FCU-2.23	WOMEN'S LOCKER RM	CEILING-CONCEALED (DUCTED)	880	0.6/0.6	22.4	19.1	75.0	62.5	27.0	56	53	48	42	39	31	25	21	2.88	15			TPEFYP024MA144A																		1 THRU 12

NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH UNIT.
2. PROVIDE VARIABLE CAPACITY INVERTER COMPRESSORS.
3. MANUFACTURER SHALL BE CERTIFIED WITH ANSI/AHRI-1230 AND MEET ASHRAE 90.1 REQUIREMENTS.
4. MANUFACTURER MUST MEET THE SCHEDULED PERFORMANCE, TAKING INTO ACCOUNT FOR ALL PIPING DE-RATES AND OPERATING AMBIENT DE-RATES.
5. PROVIDE DUCTED INDOOR UNIT WITH FILTERED RETURN GRILLE.
6. PROVIDE MANUFACTURER RECOMMENDED CONDENSATE PUMP OPTION.
7. ALL UNITS TO BE BALANCED TO HIGH SPEED FOR FANS.
8. PROVIDE ELECTRICAL SELECTOR DISTRIBUTION BOX.
9. PROVIDE NECESSARY CONTROL CARDS FOR COMMUNICATION WITH BUILDING AUTOMATION SYSTEM.
10. SYSTEM TO BE ON EMERGENCY POWER.
11. PROVIDE CONDENSING UNIT VIBRATION ISOLATION.
12. PROVIDE THERMOSTAT MODEL NO. TAC-YT53CRAU-J.

DWG. FILENAME: C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central\R21_mscottRSPQP.rvt

SEAL

STATE OF MARYLAND — BRIAN BAZZELL — 31269 — PROFESSIONAL ENGINEER

DATE : 7/14/2025 7:37:15 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: _____ DATE: _____ CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 12" = 1'-0" | PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER | DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL SCHEDULES

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
M802	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 208 OF 302	
DRAWING NUMBER	
2024 – 1521	
FILE NO.: 8	REV. 07.12

SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT												OUTDOOR UNIT											NOTES
UNIT DESIGNATION	UNIT LOCATION	SUPPLY FAN		HEAT PUMP COOLING		HEAT PUMP HEATING (@ 17°F AMB.)	TOTAL INDOOR UNIT ELECTRICAL			BASIS OF DESIGN		UNIT DESIGNATION	UNIT LOCATION	UNIT EER/SEER	DESIGN AMB. TEMP (°F)	NUMBER OF COMRESSORS	TOTAL OUTDOOR UNIT ELECTRICAL				WEIGHT (LBS)	BASIS OF DESIGN		
		DESIGN CFM		TOTAL MBH	SENSIBLE MBH	MBH	MCA	FLA	V/Ø/HZ	MFGR.	MODEL						MCA	MOCP	FLA	V/Ø/HZ		MFGR.	MODEL	
		MIN	MAX																					
DSS-AHU-1.01	IT [119]	705	920	36	25.2	25.9	1.0	0.57	POWERED BY OUTDOOR UNIT	MITSUBISHI	TPKA0A0361KA70A	DSS-CU-1.01	ROOF MECHANICAL WELL	10.8/18.8	0 (COOLING)	1.0	25.0	31.0	1.0	208/1/60	214.0	MITSUBISHI	TRUZA0361KA70NA	1 THRU 4
DSS-AHU-2.01	IT [223]	705	920	36	25.2	25.9	1.0	0.57				DSS-CU-2.01		10.8/18.8	0 (COOLING)	1.0	25.0	31.0	1.0	208/1/60	214.0			1 THRU 4

NOTES:
1: PROVIDE WIND BAFFLE ACCESSORY FOR LOW AQMBIENT COOLING.
2: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH UNIT.
3: REFRIGERANT PIPING SHALL BE SIZED, ROUTEDD, AND SUPPORTED PER MANUFACTURER'S RECOMMENDATIONS.

PACKAGED ROOF TOP UNIT SCHEDULE (WITH DX COOLING & HEAT PUMP HEAT)

UNIT DESIGNATION	AREA SERVED	UNIT TYPE	SUPPLY FAN								DX COOLING COIL		HEAT PUMP HEAT			UNIT TOTAL ELECTRICAL			REQ'D MIN. SEER2	WEIGHT (LBS)	BASIS OF DESIGN		NOTES
		CAV/VAV	DESIGN CFM		ESP (IN H2O)	MOTOR HP	VFD (Y/N)	MIN CFM	MAX CFM	ECONOMIZER (Y/N)	TOTAL MBH	NUMBER OF COMPRESSORS	MBH (43° F AMB)	MBH (17 °F AMB)	INPUT KW	MCA	MOCP	ELEC. CHAR. (V/Ø/HZ)			MFGR.	MODEL	
			MIN	MAX																			
RTU-1	ELEVATOR SHAFT	CAV	760	760	0.3	0.5	N	0.0	0.0	N	23.8	1.0	23.2	14.7	1.95	20.6	30.0	208/1/60	13.4	402.0	TRANE	4WCC4024E	1,2,3,4

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH ROOF TOP UNIT.
2: PROVIDE ROOF TOP UNIT WITH FACTORY FURNISHED ROOF CURB, MODEL BAYCURB050.
3: PROVIDE LOW AMBIENT COOLING KIT, MODEL BAYLOAM105A.
4: PROVIDE WIRED REMOTE TEMPERATURE SENSOR LOCATED IN ELEVATOR SHAFT. THE CORRESPONDING THERMOSTAT SHALL BE LOCATED IN THE CONTROLS PORTION OF A WEATHERPROOFED AREA IN THE ROOFTOP UNIT FOR ACCESSIBILITY.

UNIT TYPE:
CAV = CONSTANT AIR VOLUME
VAV = VARIABLE AIR VOLUME

DEDICATED OUTDOOR AIR UNIT SCHEDULE (w/DX COOLING/HOT GAS REHEAT/HEAT PUMP PRIMARY HEAT/ELECTRIC AUX. HEAT/ENERGY RECOVERY WHEEL

UNIT DESIGNATION	UNIT TYPE	SUPPLY FAN						EXHAUST FAN						OUTSIDE AIR	DX COOLING COIL						HOT GAS REHEAT				HEAT PUMP HEAT (17 °F AMB)			AUX ELEC HEAT			UNIT TOTAL ELECTRICAL				REQUIRED MIN EER	PRE-FILTER	FINAL FILTER	WEIGHT (LBS)	BASIS OF DESIGN		NOTES
	CAV / VAV	DESIGN CFM	ESP (IN H2O)	TSP (IN H20)	MOTOR BHP	MOTOR RPM	VFD (Y/N)	DESIGN CFM	ESP (IN H2O)	TSP (IN H20)	MOTOR BHP	MOTOR RPM	VFD (Y/N)	CFM	TOTAL MBH	SENSIBLE MBH	EAT		LAT		NUMBER OF COMPRESSORS	EAT		LAT (UNIT)		CAPACITY (MBH)	EAT DB (°F)	LAT DB (° F)	CAPACITY (KW)	EAT DB (°F)	LAT DB (°F)	MCA	MFS	FLA	V/Ø/HZ		MERV	MERV		MFGR.	MODEL	
																	DB (°F)	WB (°F)	DB (°F)	WB (°F)		DB (°F)	WB (°F)	DB (°F)	WB (°F)																
DOAS-1	VAV	7,000	1.5	3.17	5.38	1934	Y	6,600	1.5	2.96	5.56	1960	Y	7,000	364.1	218.5	80.7	68.2	49.8	49.7	2	49.8	49.7	72.1	58.9	289.2	52.8	79.9	60	52.8	79.9	158.1	175	153.4	460/3/60	13.8	8	13	8,247	TRANE	OANE480A4-C1C400JR-D3H00AF1JR4B50B00000	1-2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH THE DEDICATED OUTDOOR AIR UNIT.
2: PROVIDE DEDICATED OUTDOOR AIR UNIT WITH FACTORY FURNISHED ROOF CURB.

ENERGY WHEEL SCHEDULE

UNIT DESIGNATION	UNIT LOCATION	AREA SERVED	OUTSIDE AIR CFM	ENTHALPY WHEEL SUMMER PERFORMANCE								ENTHALPY WHEEL WINTER PERFORMANCE								NOTES
				SUPPLY (°F)				EXHAUST (°F)				SUPPLY (°F)				EXHAUST (°F)				
				EAT (DB)	EAT (WB)	LAT (DB)	LAT (WB)	EAT (DB)	EAT (WB)	LAT (DB)	LAT (WB)	EAT (DB)	EAT (WB)	LAT (DB)	LAT (WB)	EAT (DB)	EAT (WB)	LAT (DB)	LAT (WB)	
EW-1	INSIDE DOAS UNIT	VRF SYSTEM	7000	95	78	80.7	68.2	75	63	88.9	73.7	10.0	7.0	52.8	43.7	72.0	56.0	28.1	25.7	1,2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2: ENERGY WHEEL IS LOCATED INSIDE DOAS-1 AND PROVIDED INSTALLED FROM THE FACTORY.

SUPPLY FAN OCTAVE SOUND BAND (DB)

63	125	250	500	1K	2K	4K	8K	NOTES
95	78	80.7	68.2	75	63	88.9	73.7	1,2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2: SUPPLY FAN IS LOCATED INSIDE DOAS-1.

EXHAUST FAN OCTAVE SOUND BAND (DB)

63	125	250	500	1K	2K	4K	8K	NOTES
95	78	80.7	68.2	75	63	88.9	73.7	1,2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2: RETURN FAN IS LOCATED INSIDE DOAS-1.

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR6NQP.rvt

SEAL: STATE OF MARYLAND — BRADLEY A. LEWIS — 31295 — PROFESSIONAL ENGINEER

DATE : 7/14/2025 7:37:16 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: _____ CHKD BY: AL

DATE: _____

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 12" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

MECHANICAL SCHEDULES

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
M803	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 209 OF 302	
DRAWING NUMBER	2024 - 1522
FILE NO.: 8	REV. 01.00

GENERAL PLUMBING PROJECT NOTES

1. SANITARY DRAIN BRANCHES LOCATED ON THE LOWEST LEVEL OF THE BUILDING SHALL CONNECT SEPARATELY TO THE HORIZONTAL SANITARY MAIN UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES. DO NOT DIMENSION LOCATIONS FROM THESE PLUMBING DRAWINGS.
3. COORDINATE ALL RISER LOCATIONS WITH STRUCTURAL BUILDING COMPONENTS.
4. SANITARY AND STORM WATER PIPING SHALL RUN AT A 2% SLOPE MINIMUM UNLESS NOTED OTHERWISE.
5. CONDENSATE DRAIN PIPING SHALL RUN AT A 2% SLOPE MINIMUM UNLESS NOTED OTHERWISE.
6. LOCATIONS OF DRAINS AND CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE COORDINATED WITH THE FIXTURE PLAN, EQUIPMENT CUTS AND ARCHITECTURAL/MECHANICAL/ELECTRICAL PLANS. NO WORK SHALL BE INSTALLED UNTIL THE FIXTURE LOCATIONS HAVE BEEN VERIFIED.
7. PLUMBING FIXTURES SHALL BE CAULKED TO THE ADJOINING FLOOR OR WALL SURFACE WITH CAULK COLOR AS SELECTED BY THE ARCHITECT.
8. CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH SANITARY AND STORM WATER RISER.
9. COORDINATE MOTORS AND OTHER ELECTRICAL EQUIPMENT FURNISHED UNDER MECHANICAL DIVISIONS WITH ELECTRICAL DIVISIONS. PROVIDE EQUIPMENT COORDINATION TABLE AS A SHOP DRAWING FOR REVIEW. TABLE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING INFORMATION:
   a) EQUIPMENT POWER REQUIREMENTS INCLUDING AMPS AND VOLTAGES.
   b) DISCONNECTING MEANS AND OVER CURRENT PROTECTION REQUIREMENTS.
   c) CONTROL REQUIREMENTS.
11. UNLESS OTHERWISE INDICATED, PIPING SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE. INTERMEDIATE STRUCTURAL SUPPORTS SHALL BE PROVIDED IN AN APPROVED MANNER AS REQUIRED TO MEET MINIMUM SUPPORT SPACING REQUIRED BY THE SPECIFICATIONS.
12. COORDINATE THE INSTALLATION OF LIGHTING FIXTURES WITH PLUMBING PIPING AND EQUIPMENT BEING INSTALLED IN THE FACILITY, SUCH THAT PIPING AND EQUIPMENT DO NOT BLOCK OR IMPEDE LIGHTING.
13. PROVIDE PIPE HANGERS, ANCHORS, AND SUPPORTS PER SUPPORT MANUFACTURER'S RECOMMENDATIONS.
14. INSTALL PIPING SO THAT ALL VALVES AND ACCESSORIES ARE ACCESSIBLE. PROVIDE ACCESS PANELS PER SPECIFICATIONS.
15. ROUTE DOMESTIC WATER PIPING, SPRINKLER PIPING, SANITARY PIPING, VENT PIPING, CONDENSATE DRAINS, ETC., IN PIPE CHASES, FURRED OUT WALLS, AND ABOVE CEILINGS. NO PIPING SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHITECT OR OWNER.
16. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF AND CEILING CONSTRUCTION TYPES AND DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL SIZES AND LOCATIONS.
17. INSTALL EQUIPMENT SUCH AS WATER HEATERS, PUMPS, ETC., IN SUCH A MANNER AS TO PROVIDE ADEQUATE SPACE FOR PROPER MAINTENANCE AND EQUIPMENT ACCESS.
18. PROVIDE PIPE SLEEVES AT WALL, FLOOR, AND ROOF PENETRATIONS. ALL EXTERIOR ROOF AND WALL PIPING PENETRATIONS SHALL BE MADE WEATHER TIGHT.
19. FIRE STOP ALL PLUMBING, SPRINKLER, SANITARY, VENT, AND CONDENSATE PENETRATIONS THRU FIRE RATED WALLS, PARTITIONS, AND FLOORS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATIONS.

CONTRACTOR COMMISSIONING

1. INDEPENDENT COMMISSIONING
   a. ASSIST WITH COMMISSIONING EFFORTS AS REQUIRED BY THE COMMISSIONING PLAN AND COMMISSIONING SPECIFICATIONS. REFER TO THESE DOCUMENTS FOR DETAILED INFORMATION, ROLES, AND RESPONSIBILITIES, ETC.

PLUMBING INSULATION REQUIREMENTS

1. REFER TO SPECIFICATION 220700 SECTION 3.14 FOR PLUMBING INSULATION REQUIREMENTS.

LEED PROJECT NOTES

1. THIS PROJECT REQUIRES LEED SILVER CERTIFICATION UNDER LEED V4 BD+C: NEW CONSTRUCTION.
2. INSTALL PERMANENT WATER METERS AS INDICATED ON THE DRAWINGS. METER READOUTS SHALL BE INCLUDED AS BAS POINTS.
3. PROVIDE AN ADDITIONAL POINT IN THE BAS TO TRACK CONSUMPTION OF FIXTURE AND FITTINGS BY MEANS OF DEDUCTION. DEDUCT THE FOLLOWING FROM THE TOTAL BUILDING WATER USAGE:
   - MOP SINK METERED USAGE
   - DISHWASHER METERED USAGE
   - DRINKING FOUNTAIN METERED USAGE
4. FIXTURES TO BE WATERSENSE LABELED WITH FLOW RATES / FLUSH VOLUMES NO MORE THAN INDICATED ON THE CONTRACT DOCUMENTS.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
	HW	HOT WATER (110°F OR 140°F)
	HWR	HOT WATER RECIRCULATING (110°F OR 140°F)
SAN	SAN	SANITARY (ABOVE FLOOR)
SAN-UG	SAN	SANITARY (UNDERGROUND)
V	V	VENT PIPE
SW	SW	STORM WATER (ABOVE FLOOR)
SW-UG	SW	STORM WATER (UNDERGROUND)
FD	FD	FOUNDATION DRAIN
	CO	CLEAN OUT: LINE, FLUSH
CD	CD	CONDENSATE DRAIN (ABOVE FLOOR)
CD-UG	CD	CONDENSATE DRAIN (UNDERGROUND)
OF	OF	OVERFLOW DRAIN
G	G	GASOLINE
ø	DIA.	DIAMETER
#	NO.	NUMBER
SW 1		STORMWATER RISER DESIGNATION STORMWATER RISER NUMBER
OF 1		OVERFLOW RISER DESIGNATION OVERFLOW RISER NUMBER
V 1		SANITARY VENT RISER DESIGNATION SANITARY VENT RISER NUMBER
S 1		SANITARY RISER DESIGNATION SANITARY RISER NUMBER
CW 1		COLD WATER RISER DESIGNATION COLD WATER RISER NUMBER
HW 1		HOT WATER RISER DESIGNATION HOT WATER RISER NUMBER
HWR 1		HOT WATER RETURN RISER DESIGNATION HOT WATER RETURN RISER NUMBER
1 / X		DETAIL MARKER DETAIL NUMBER SHEET WHERE DETAIL IS SHOWN
A / X		SECTION MARKER SECTION LETTER SHEET WHERE SECTION IS SHOWN
XX		REVISION REFERENCE SYMBOL
XX		DRAWING NOTE REFERENCE SYMBOL
P-X		PLUMBING FIXTURE DESIGNATION

SEISMIC REQUIREMENTS

1. PROVIDE SEISMIC BRACING FOR ALL HAZARDOUS AND LIFE-SAFETY SYSTEMS. THIS INCLUDES FIRE PROTECTION SYSTEMS, SPRINKLER SYSTEMS, DUCTWORK, PIPING, EQUIPMENT, ETC.

SUBSTANTIAL COMPLETION

1. MECHANICAL AND ELECTRICAL SYSTEMS ARE NOT SUBSTANTIALLY COMPLETE UNTIL ALL SYSTEMS ARE STARTED, TESTED, BALANCED, AND O&M'S ARE RECEIVED BY THE OWNER.
2. THESE ITEMS NOTED ABOVE MUST BE COMPLETE IN TIME FOR THE SYSTEMS DEMONSTRATIONS TO OWNER WITH ALL O&M'S MANUALS IN HAND AT TIME OF DEMONSTRATION.
3. PROVIDE SYSTEM DEMONSTRATION AND TRAINING FOR OWNER PERSONNEL FOR EACH SYSTEM. PROVIDE 8 HOURS OF SYSTEM DEMONSTRATION AND 8 HOURS OF OPERATIONS TRAINING FOR EACH SYSTEM.
4. PUNCHLIST ITEMS SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
5. ON SEASON COMMISSIONING SHALL BE COMPLETED PRIOR TO SUBSTANTIAL COMPLETION.
6. START OF ALL WARRANTIES TO BEGIN ON DATE OF SUBSTANTIAL COMPLETION.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	DP, DN	ELBOW DOWN OR DROP
	UP	ELBOW UP OR RISE
		PIPE CONTINUES
		FLOW IN DIRECTION OF ARROW
		RISE OR DROP IN PIPE
		SIDE PIPE CONNECTION
		BOTTOM PIPE CONNECTION
		TOP PIPE CONNECTION
		CAPPED OUTLET
		CAPPED PIPE
		UNION
		PIPE GUIDE
		PIPE ANCHOR
	VTR	VENT THRU ROOF
		BALL VALVE
S		CHECK VALVE - SPRING
		CHECK VALVE
		DOUBLE CHECK BACKFLOW PREVENTOR
		PLUG VALVE
		COMBINATION BALANCING & SHUT-OFF VALVE
		DIRECTION OF PIPE PITCH (DOWN)
		PIPE REDUCER - CONCENTRIC
		PIPE REDUCER - ECCENTRIC STRAIGHT CROWN
		PIPE REDUCER - ECCENTRIC STRAIGHT INVERT
	BWV	BACK WATER VALVE
	T & P	TEMPERATURE & PRESSURE RELIEF VALVE
A	SA	SHOCK ABSORBER
	CP	IN-LINE CIRCULATING PUMP
	F.DR.	FLOOR DRAIN
	R.DR.	ROOF DRAIN
		PUMP
		BUTTERFLY VALVE
	PRV	PRESSURE REDUCING (REGULATING) VALVE
	RV	RELIEF VALVE (TYPE AS NOTED)
		STRAINER (Y OR BASKET) W/ HOSE END DRAIN VALVE
		PRESSURE GAUGE W/ NEEDLE VALVE
		THERMOMETER
	BFP	BACKFLOW PREVENTOR W/ FUNNEL (REDUCED PRESSURE PRINCIPAL TYPE)
		THERMAL WELL
A.A.V.	AAV	AUTOMATIC AIR VENT
	MAV	MANUAL AIR VENT
P.T.	FMF - P.T.	FLOW METER FITTING - PITOT TUBE
PT		PRESSURE TRANSMITTER
S		SOLENOID VALVE
	P/T	PRESSURE AND TEMPERATURE PLUG
	FC	FLEXIBLE CONNECTION - PIPING
	WH, P-9	WALL HYDRANT, P-9
	HB	HOSE BIBB
DP SENSOR		DIFFERENTIAL PRESSURE SENSOR
DP SWITCH		DIFFERENTIAL PRESSURE SWITCH
		CONDENSATE HUB DRAIN

APPLICABLE CODES

YEAR	CODE
2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE
2021	INTERNATIONAL FIRE CODE
2021	INTERNATIONAL FUEL GAS CODE
2021	NATIONAL FIRE PROTECTION ASSOCIATION CODES

PLUMBING LEGEND

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ADJ.	ADJUSTABLE	LF	LINEAR FEET
ALT.	ALTERNATE	MFGR.	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MSB	MOP SINK BASIN
AFG	ABOVE FINISHED GRADE	MAX.	MAXIMUM
AST	ABOVEGROUND STORAGE TANK	MIN.	MINIMUM
BAS	BUILDING AUTOMATION SYSTEM	NO	NORMALLY OPENED
BLDG.	BUILDING	NC	NORMALLY CLOSED
CI	CAST IRON	NTS	NOT TO SCALE
CONT.	CONTINUATION	OC	ON CENTER
CU	CONDENSING UNIT	PD	PUMP DISCHARGE
CONN.	CONNECTION	PSIG	POUNDS PER SQUARE INCH GAUGE
CLG.	CEILING	RM.	ROOM
DISP.	GAS DISPENSER	REQ'D	REQUIRED
DTL.	DETAIL	SF	SQUARE FEET
DFU	DRAINAGE FIXTURE UNIT	SHT.	SHEET
DWG.	DRAWING	SPEC.	SPECIFICATIONS
DN.	DOWN	SLP	SLOPE
EJ	EXPANSION JOINT	SP	SUMP PUMP
ET	EXPANSION TANK	TMS	TANK MONITORING SYSTEM
ELEV.	ELEVATION	TYP.	TYPICAL
FCU	FAN COIL UNIT	TRAN.	TRANSITION
FFE	FINISHED FLOOR ELEVATION	TPL	TRAP PRIMING LINE
FLR.	FLOOR	UNO	UNLESS NOTED OTHERWISE
FMS	FUEL MANAGEMENT SYSTEM	V/ ø /HZ	VOLTS/PHASE/HERTZ
GPH	GALLONS PER HOUR	VERT.	VERTICAL
GPM	GALLONS PER MINUTE	W/	WITH
INV. ELEV.	INVERT ELEVATION		

RADON MITIGATION SYSTEM PROJECT NOTES

1. OWNER/CONTRACTOR SHALL ENGAGE THE SERVICES OF A THIRD PARTY RADON DESIGN CONSULTANT FOR DESIGN OF THE SUBSLAB RADON MITIGATION PIPING SYSTEM. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/AARST STANDARDS.
2. COORDINATE INSTALLATION OF SUBSLAB PLUMBING SYSTEMS WITH DESIGN AND INSTALLATION OF RADON MITIGATION PIPING.
3. PROVIDE CONTROLS VERIFICATION, LABELING, AND DOCUMENTATION IN THE OPERATIONS AND MAINTENANCE MANUALS PER THE REQUIREMENTS OF SECTION 11 OF ANSI /AARST STANDARD CC-1000 2018 (SOIL GAS CONTROL SYSTEMS IN NEW CONSTRUCTION BUILDINGS.)
4. HVAC EVALUATION:
   A. HVAC SYSTEMS HAVE BEEN DESIGNED TO AVOID EXCESSIVE NEGATIVE PRESSURE.
   B. HVAC DESIGN COMPLIES WITH ASHRAE 62.1 VENTILATION STANDARDS.

PLUMBING DRAWING INDEX

Sheet Number	Sheet Name
P001	PLUMBING COVERSHEET
P201	SUBSLAB PLAN - PLUMBING - WING A
P202	SUBSLAB - PLUMBING - WING B PART 1
P203	SUBSLAB - PLUMBING - WING B PART 2
P204	FIRST FLOOR - PLUMBING - WING A
P205	FIRST FLOOR - PLUMBING - WING B PART 1
P206	FIRST FLOOR - PLUMBING - WING B PART 2
P207	SECOND FLOOR - PLUMBING - WING A
P208	SECOND FLOOR - PLUMBING - WING B PART 1
P209	SECOND FLOOR- PLUMBING - WING B PART 2
P210	ROOF - PLUMBING - WING A
P211	ROOF - PLUMBING - WING B
P212	PLUMBING - FUELING AREA
P601	PLUMBING RISER
P602	PLUMBING RISER
P603	PLUMBING RISER
P604	PLUMBING RISER
P605	PLUMBING RISER
P606	PLUMBING RISER
P701	PLUMBING DETAILS
P702	PLUMBING DETAILS
P703	PLUMBING DETAILS
P704	PLUMBING DETAILS
P705	PLUMBING DETAILS - FUELING
P801	PLUMBING SCHEDULES
P802	PLUMBING SCHEDULES

DWG. FILENAME: C:\Users\mscott\Documents\298601 Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL

DATE : 7/14/2025 7:38:42 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT BY: DATE: DWN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING COVERSHEET

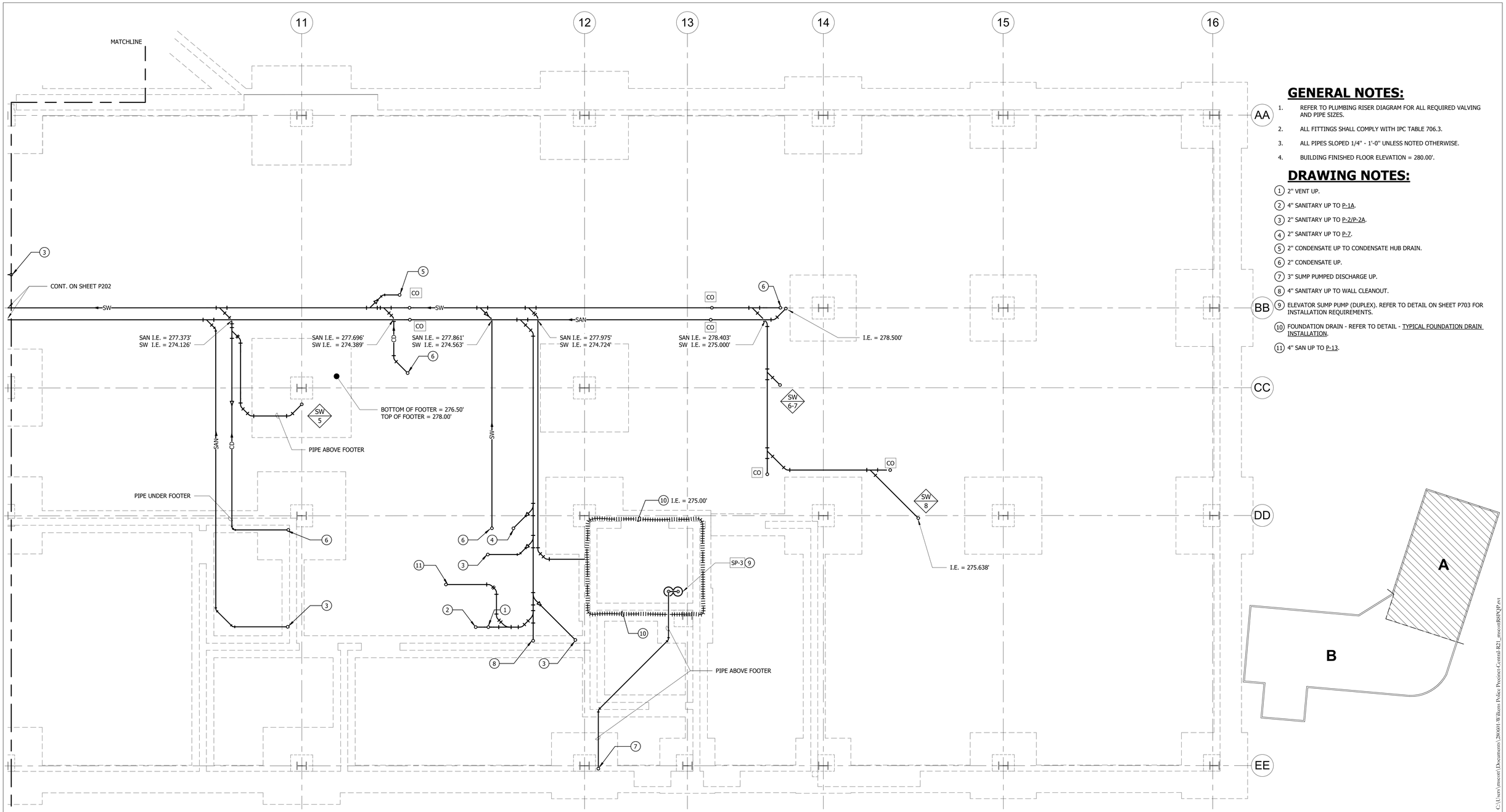
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P001	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 210 OF 302	
DRAWING NUMBER	2024 – 1523
FILE NO.: 8	



SUBSLAB - PLUMBING - WING A

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
2. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
3. ALL PIPES SLOPED 1/4" - 1'-0" UNLESS NOTED OTHERWISE.
4. BUILDING FINISHED FLOOR ELEVATION = 280.00'.

DRAWING NOTES:

1. 2" VENT UP.
2. 4" SANITARY UP TO P-1A.
3. 2" SANITARY UP TO P-2/P-2A.
4. 2" SANITARY UP TO P-7.
5. 2" CONDENSATE UP TO CONDENSATE HUB DRAIN.
6. 2" CONDENSATE UP.
7. 3" SUMP PUMPED DISCHARGE UP.
8. 4" SANITARY UP TO WALL CLEANOUT.
9. ELEVATOR SUMP PUMP (DUPLEX). REFER TO DETAIL ON SHEET P703 FOR INSTALLATION REQUIREMENTS.
10. FOUNDATION DRAIN - REFER TO DETAIL - TYPICAL FOUNDATION DRAIN INSTALLATION.
11. 4" SAN UP TO P-13.

SEAL:

DATE : 7/14/2025 7:38:43 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: DATE: CHKD BY: AL

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SUBSLAB PLAN - PLUMBING - WING A

NEW BUILDING DESIGN

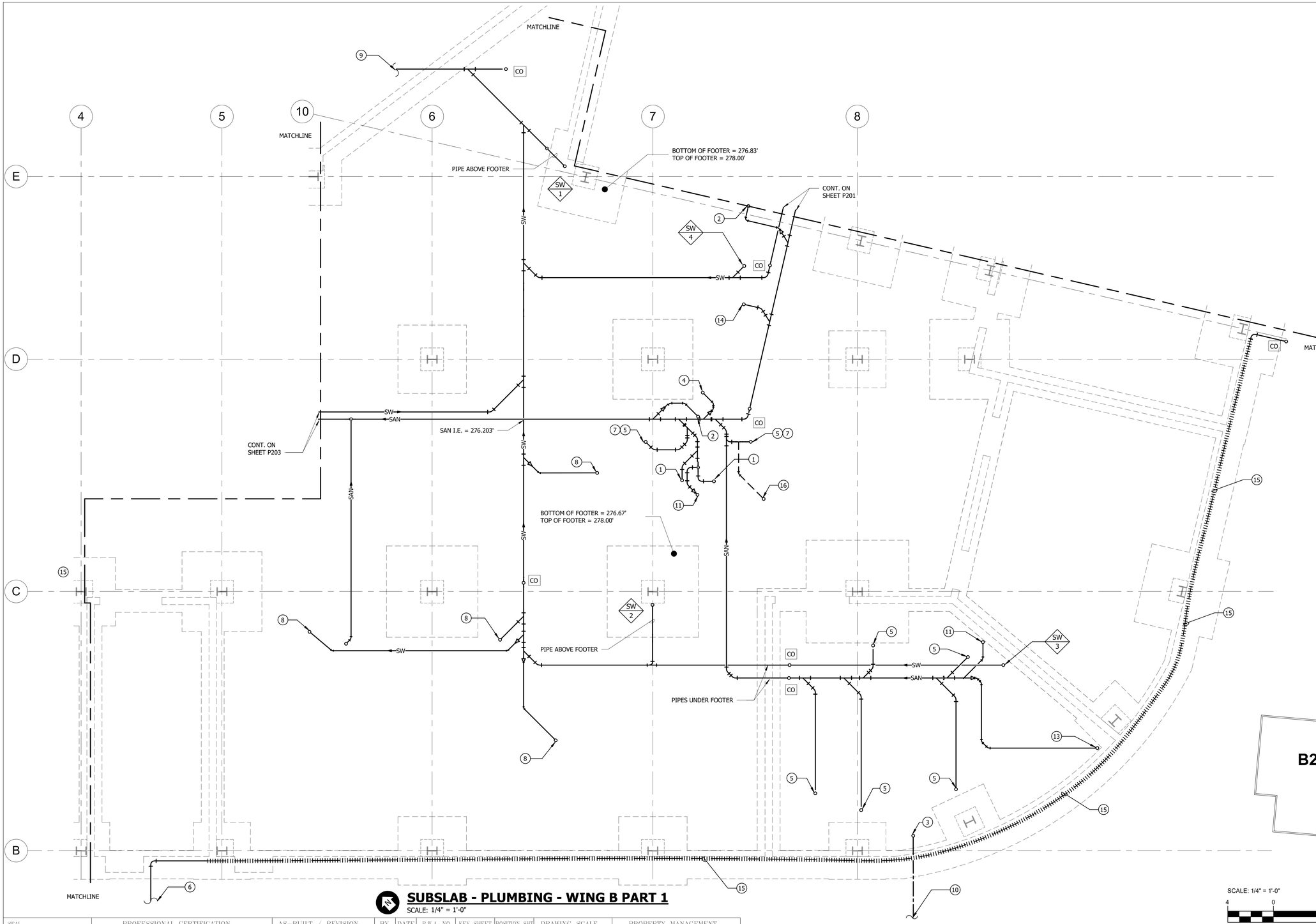
SUBDIVISION: WILKENS

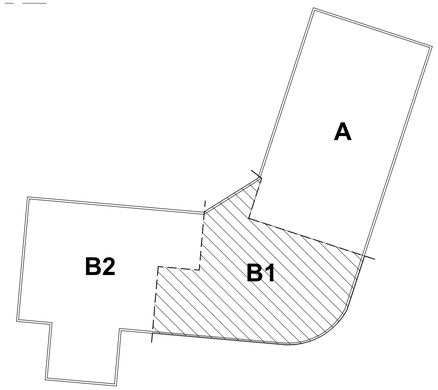
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P201	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 211 OF 302	
DRAWING NUMBER	
2024 - 1524	
FILE NO.: 8	REV. 07.12

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR6PQP.rvt





GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
2. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
3. ALL PIPES SLOPED 1/4" - 1'-0" UNLESS NOTED OTHERWISE.
4. BUILDING FINISHED FLOOR ELEVATION = 280.00'.

DRAWING NOTES:

1. 4" SANITARY UP TO P-1/P-1A.
2. 2" SANITARY UP TO P-2/P-2A.
3. 8" COMBINED FIRE/DOMESTIC WATER UP TO MECHANICAL ROOM.
4. 2" SANITARY UP TO P-7.
5. 4" SANITARY UP TO P-13.
6. INCOMING 4" STORM FOR BUILDING FOUNDATION DRAIN, INVERT AT 276.50'. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
7. PROVIDE TRAP PRIMING LINE FOR FLOOR DRAIN. REFER TO DETAIL.
8. 2" CONDENSATE UP.
9. INCOMING 8" STORM. INVERT AT 268.00'. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
10. INCOMING 8" COMBINED WATER/FIRE LINE. INVERT AT 276.00'. REFER TO CIVIL DRAWINGS FOR CONTINUATION. MAIN WATER BY CIVIL OUTSIDE BUILDING.
11. 3" VENT UP.
12. 4" SANITARY UP TO FUNNEL DRAIN.
13. 2" SANITARY UP TO SERVE OUTDOOR HAND WASH.
14. 4" SANITARY UP.
15. FOUNDATION DRAIN. REFER TO DETAIL - TYPICAL FOUNDATION DRAIN INSTALLATION.
16. 2" VENT UP.
17. 2" SANITARY UP TO P-5B.

SUBSLAB - PLUMBING - WING B PART 1

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottRHPQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DATE : 7/14/2025 7:38:45 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: MRS	REVIEWED BY:							
CHKD BY: AL	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SUBSLAB - PLUMBING - WING B PART 1

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

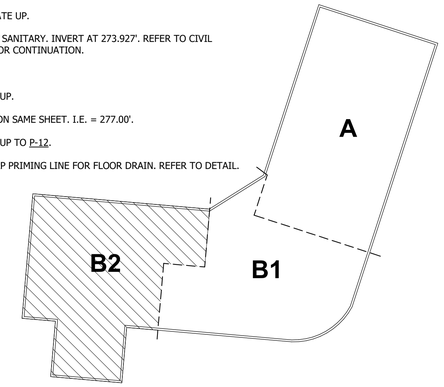
SHEET DESIGNATION	CONTRACT NUMBER
P202	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 212 OF 302
	DRAWING NUMBER
	2024 – 1525
	FILE NO.: 8

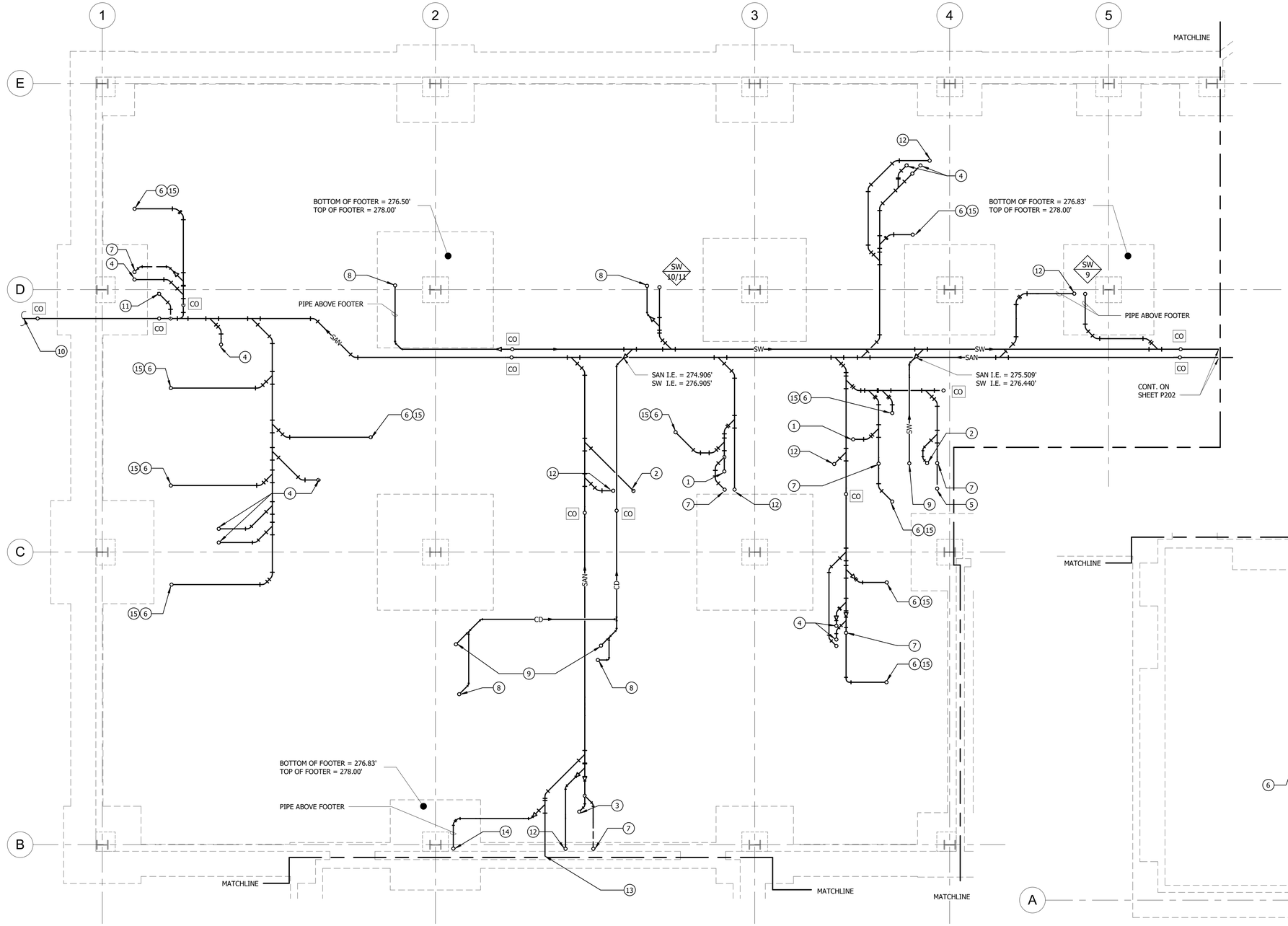
GENERAL NOTES:

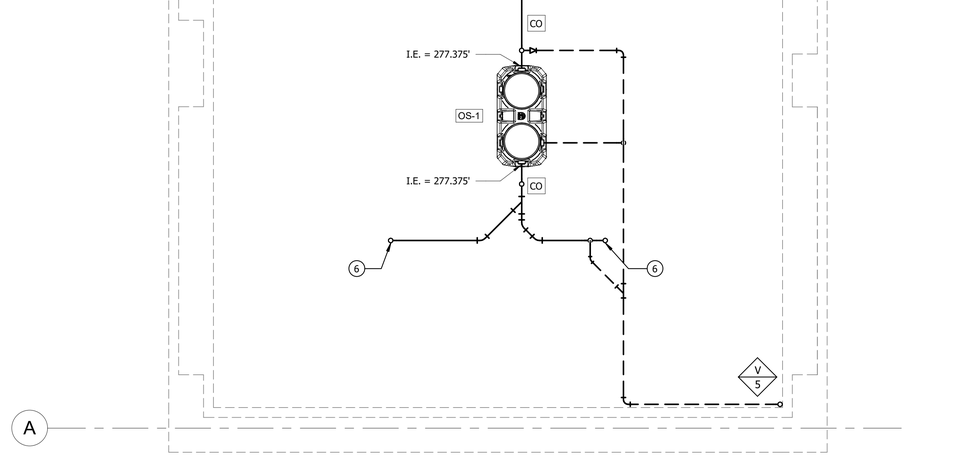
1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
2. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
3. ALL PIPES SLOPED 1/4" - 1'-0" UNLESS NOTED OTHERWISE.
4. BUILDING FINISHED FLOOR ELEVATION = 280.00'.

DRAWING NOTES:

(1) 4" SANITARY UP TO P-1/P-1A/P-1B.
(2) 2" SANITARY UP TO P-2/P-2A/P-2B.
(3) 2" SANITARY UP TO P-3.
(4) 4" SANITARY UP TO P-6.
(5) 3" SANITARY UP TO P-8.
(6) 3" SANITARY UP TO P-14.
(7) 2" VENT UP.
(8) 2" CONDENSATE UP TO HUB DRAIN.
(9) 2" CONDENSATE UP.
(10) INCOMING 4" SANITARY. INVERT AT 273.927'. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
(11) 3" VENT UP.
(12) 4" SANITARY UP.
(13) CONTINUED ON SAME SHEET. I.E. = 277.00'.
(14) 2" SANITARY UP TO P-12.
(15) PROVIDE TRAP PRIMING LINE FOR FLOOR DRAIN. REFER TO DETAIL.







SUBSLAB - PLUMBING - WING B PART 2

SCALE: 1/4" = 1'-0"

SUBSLAB - PLUMBING - SALLY PORT

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"
4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE : 7/14/2025 7:38:48 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DESIGNED BY:	MRS
DRN BY:	MRS
CHKD BY:	AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SUBSLAB - PLUMBING - WING B PART 2

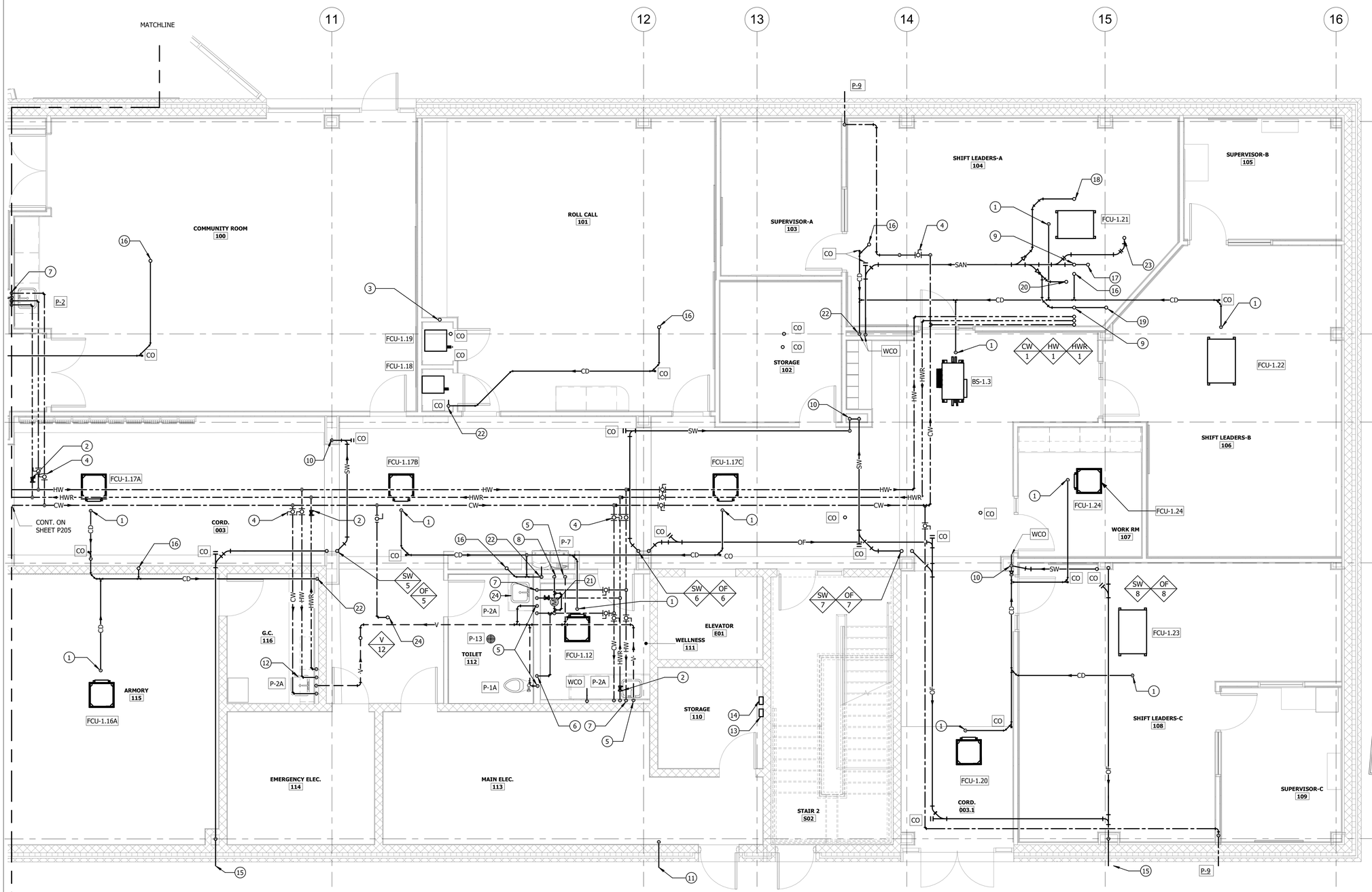
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P203	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 213 OF 302	
DRAWING NUMBER	2024 – 1526
FILE NO.: 8	REV. 07/20



GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. 1" CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. COMBINATION THERMOSTATIC BALANCING AND SHUTOFF VALVE.
3. CONDENSATE RECEPTOR IN WALL.
4. BALL VALVE (TYPICAL).
5. 2" VENT DOWN.
6. 1" CW DOWN TO P-1A.
7. 1/2" CW/HW/HWR DOWN TO P-2/P-2A.
8. 1/2" CW DOWN TO P-7.
9. 2" VENT UP.
10. STORM WATER DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
11. 3" ELEVATOR SUMP DISCHARGE. DISCHARGE MINIMUM 18" AFG.
12. PROVIDE POINT OF USE ACID NEUTRALIZER STRIEM MODEL LB-2.
13. VEEDER-ROOT ELECTRONIC LINE LEAK DETECTOR FOR FUELING TANK.
14. ELEVATOR SUMP PUMP OIL MINDER CONTROL PANEL. REFER TO DETAIL ON SHEET P703 FOR INSTALLATION REQUIREMENTS.
15. DOWNSPOUT NOZZLE, MODEL NO. Z199-DC AS MANUFACTURED BY ZURN. TERMINATE MINIMUM 18" AFG.
16. 1" CONDENSATE UP.
17. 4" SANITARY UP TO P-1A.
18. 2" SANITARY UP TO P-2A.
19. 2" SANITARY UP TO P-3.
20. 2" SANITARY UP TO P-5.
21. MTR-6 5/8" WATER METER, REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION.
22. CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
23. 4" SANITARY UP TO P-13.
24. INSTALL TRAP PRIMING VALVE TO SERVE FLOOR DRAIN CONCEALED WITH MEANS OF ACCESS AND IDENTIFICATION UNDER LAVATORY. ROUTE TRAP PRIMING LINE TO FLOOR DRAIN.
24. 1/2" CW UP.

FIRST FLOOR - PLUMBING - WING A

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

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DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: 7/14/2025 7:38:51 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY:	DWN BY:	CHKD BY:
MRS	MRS	AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - PLUMBING - WING A

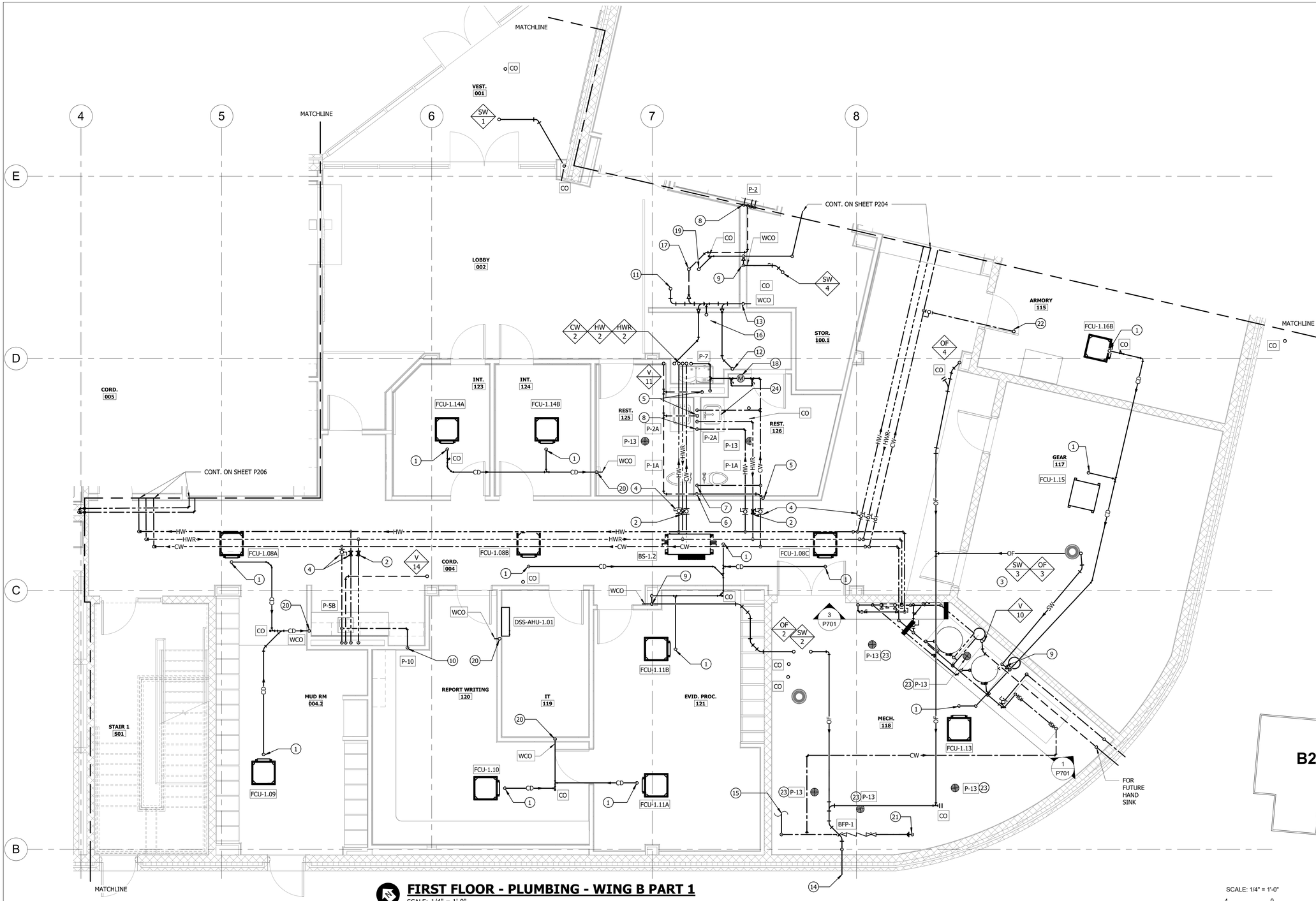
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P204	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 214 OF 302
	DRAWING NUMBER
	2024 - 1527
	FILE NO.: 8



FIRST FLOOR - PLUMBING - WING B PART 1

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. 1" CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. COMBINATION THERMOSTATIC BALANCING AND SHUTOFF VALVE.
3. SURFACE MOUNTED TRAP PRIMING STATION, MODEL PT-6 AS MANUFACTURED BY PRECISION PLUMBING, OR EQUIVALENT. REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION.
4. BALL VALVE (TYPICAL).
5. 2" VENT DOWN.
6. 3" VENT DOWN.
7. 2" CW DOWN TO P-1/P-1A.
8. 1/2" CW/HW/HWR DOWN TO P-2/P-2A.
9. STORM WATER DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
10. 1/2" CW DOWN TO P-10.
11. 4" SANITARY UP TO P-1A.
12. 2" SANITARY UP TO P-2A.
13. 4" SANITARY DOWN.
14. DOWNSPOUT NOZZLE, MODEL NO. Z199-DC AS MANUFACTURED BY ZURN. TERMINATE MINIMUM 18" AFG.
15. REFER TO FIRE PROTECTION DRAWINGS FOR CONTINUATION.
16. 4" SANITARY UP TO FLOOR DRAIN.
17. 3" VENT UP.
18. MTR-1 5/8" WATER METER, REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION. TRANSITION PIPING AS REQUIRED.
19. 1" CONDENSATE UP.
20. CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
21. INCOMING 8" COMBINED FIRE/DOMESTIC WATER SERVICE.
22. 1/2" CW UP TO P-11.
23. TRAP PRIMING LINE FROM TRAP PRIMING STATION TPS-1.
24. INSTALL TRAP PRIMING VALVE TO SERVE FLOOR DRAIN CONCEALED WITH MEANS OF ACCESS AND IDENTIFICATION UNDER LAVATORY. ROUTE TRAP PRIMING LINE TO FLOOR DRAIN.

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottBSPQP.rvt

SEAL

DATE : 7/14/2025 7:38:55 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: As indicated. PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

	DGN BY:	DRN BY:	CHKD BY:
	MRS	MRS	AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - PLUMBING - WING B PART 1

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

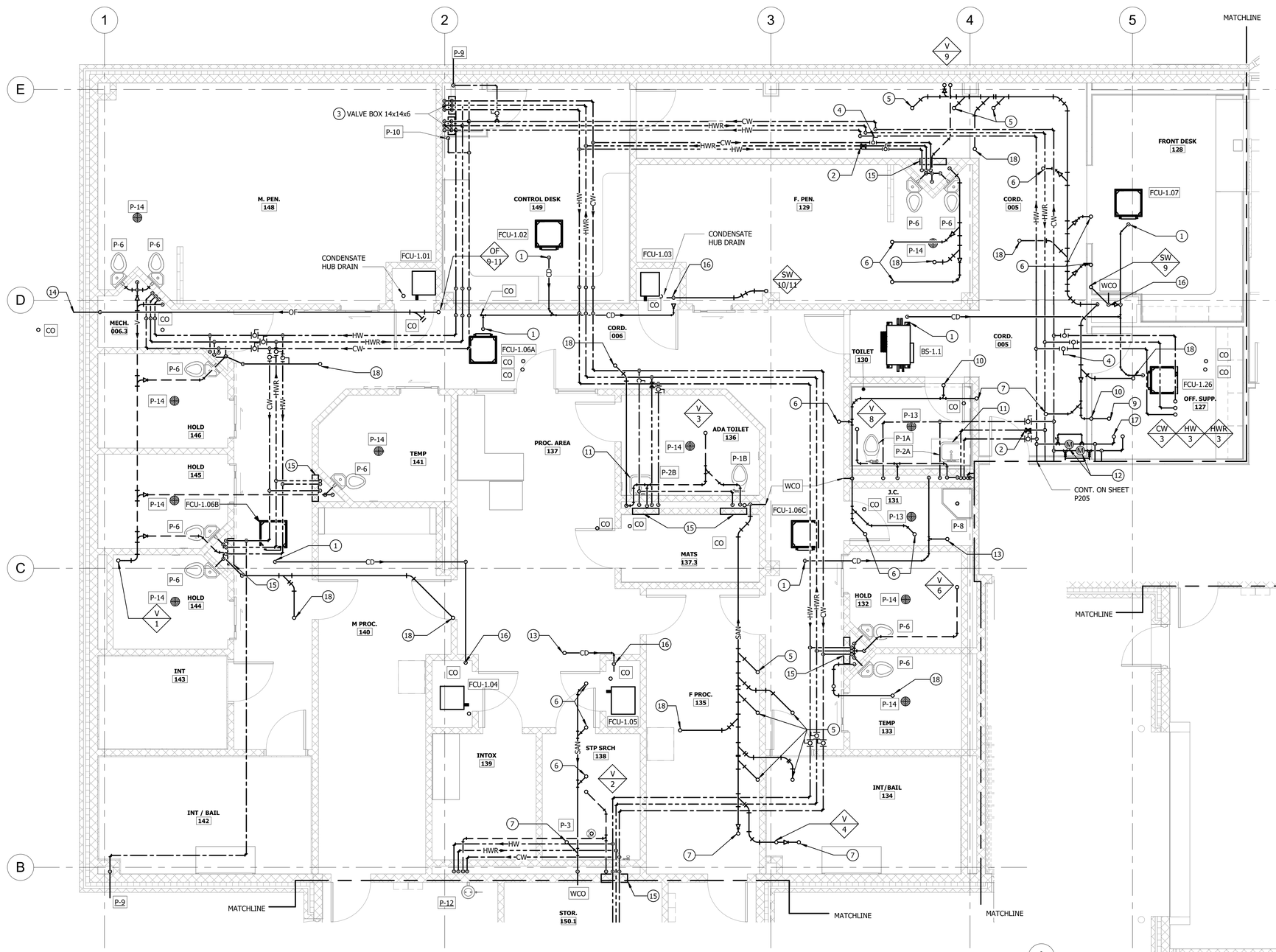
SHEET DESIGNATION	CONTRACT NUMBER
P205	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 215 OF 302	
DRAWING NUMBER	2024 - 1528
FILE NO.: 8	REV. 0

GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. COMBINATION BALANCING AND SHUTOFF VALVE.
3. REFER TO DRAWING CONTROL DESK SHUTOFF VALVING ON SHEET P701 FOR MORE INFORMATION.
4. BALL VALVE (TYPICAL).
5. 4" SANITARY UP TO P-1/P-1A.
6. 2" SANITARY UP TO P-2/P-2A.
7. 2" SANITARY UP TO P-3.
8. 2" SANITARY UP TO P-4.
9. 2" SANITARY UP TO P-8.
10. 2" VENT UP.
11. INSTALL TRAP PRIMING VALVE TO SERVE FLOOR DRAIN CONCEALED WITH MEANS OF ACCESS AND IDENTIFICATION UNDER LAVATORY. ROUTE TRAP PRIMING LINE TO FLOOR DRAIN.
12. MTR-3, MTR-4 5/8" WATER METERS, REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION.
13. 1" CONDENSATE UP.
14. DOWNSPOUT NOZZLE, MODEL NO. Z199-DC AS MANUFACTURED BY ZURN. TERMINATE MINIMUM 18" AFG.
15. PROVIDE ACCESS PANEL FOR VALVING/CLEANOUT/FLUSH VALVE(S)/TRAP PRIMING VALVE LOCATED IN CHASE. BASIS OF DESIGN MILCOR 3211 24x36. LOCATE 8" AFF TO BOTTOM OF PANEL. SEE STRUCTURAL DRAWINGS FOR LINTEL. TRAP PRIMING VALVE TO BE INSTALLED ACCESSIBLE IN CHASE.
16. STORM WATER / CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING INFORMATION.
17. 1/2" CW/HW UP TO P-8.
18. 4" SAN UP TO P-13.
19. INSTALL TRAP PRIMING VALVE ON CW P-9 TO SERVE SALLY PORT FLOOR DRAINS. ROUTE TRAP PRIMING LINES TO FLOOR DRAINS.



FIRST FLOOR - PLUMBING - WING B PART 2

SCALE: 1/4" = 1'-0"

FIRST FLOOR - PLUMBING - SALLY PORT

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

DATE: 7/14/2025 7:39:01 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DESIGNED BY:	DGN BY: MRS	DRN BY: MRS	CHKD BY: AL
BUREAU OF ENGINEERING AND CONSTRUCTION	REVIEWED BY:	DATE REVIEWED:	
TRAFFIC			
HIGHWAYS			
STRUCTURES			
STORM DRAINS			
SEWER			
WATER			
FIELD ENGINEER			

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR - PLUMBING - WING B PART 2

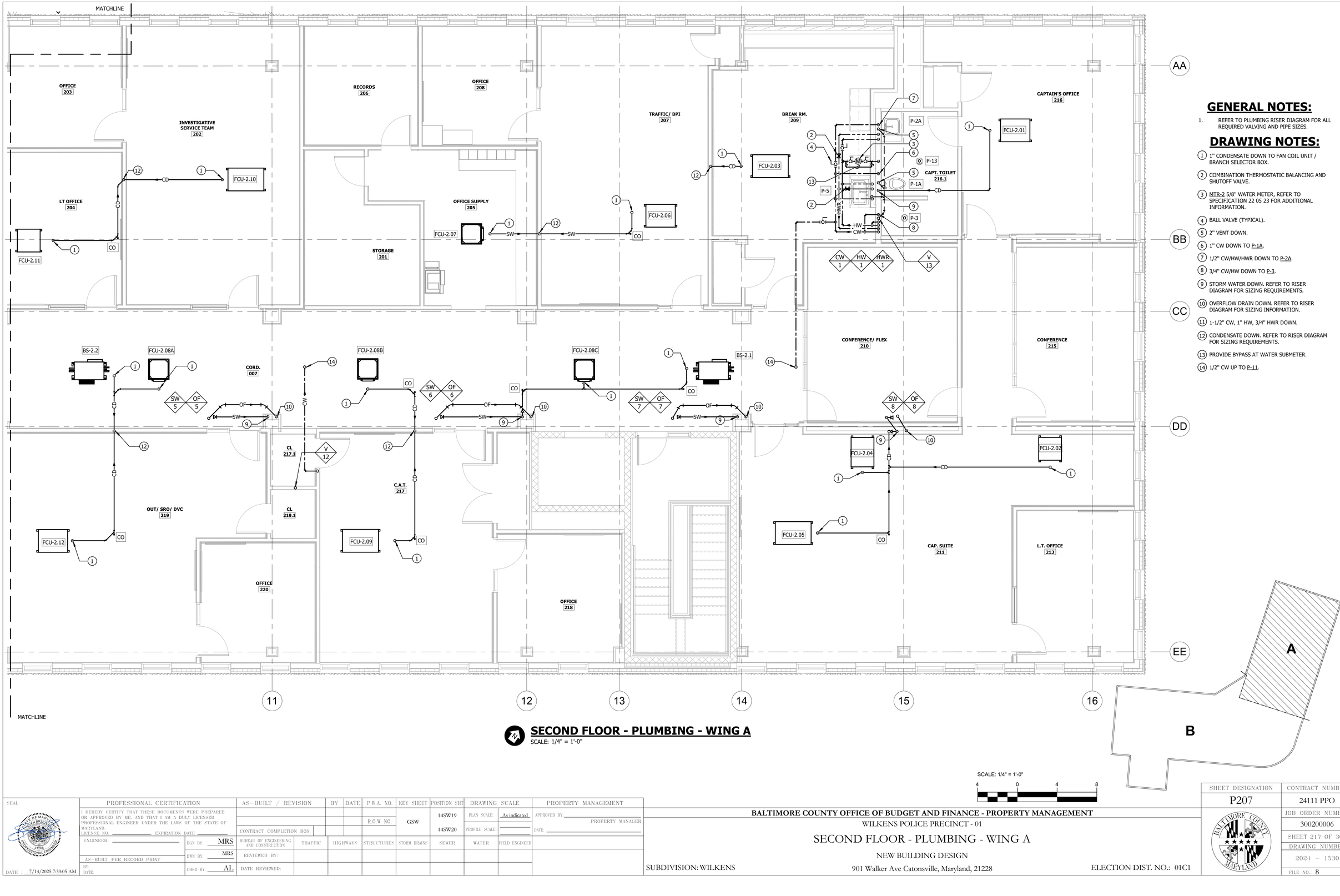
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P206	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 216 OF 302	
DRAWING NUMBER	
2024 – 1529	
FILE NO.: 8	REV. 07/25



SECOND FLOOR - PLUMBING - WING A

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. 1" CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. COMBINATION THERMOSTATIC BALANCING AND SHUTOFF VALVE.
3. MTR-2 5/8" WATER METER, REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION.
4. BALL VALVE (TYPICAL).
5. 2" VENT DOWN.
6. 1" CW DOWN TO P-1A.
7. 1/2" CW/HW/HWR DOWN TO P-2A.
8. 3/4" CW/HW DOWN TO P-3.
9. STORM WATER DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
10. OVERFLOW DRAIN DOWN. REFER TO RISER DIAGRAM FOR SIZING INFORMATION.
11. 1-1/2" CW, 1" HW, 3/4" HWR DOWN.
12. CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
13. PROVIDE BYPASS AT WATER SUBMETER.
14. 1/2" CW UP TO P-11.

SCALE: 1/4" = 1'-0"

4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL

DATE : 7/14/2025 7:39:05 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - PLUMBING - WING A

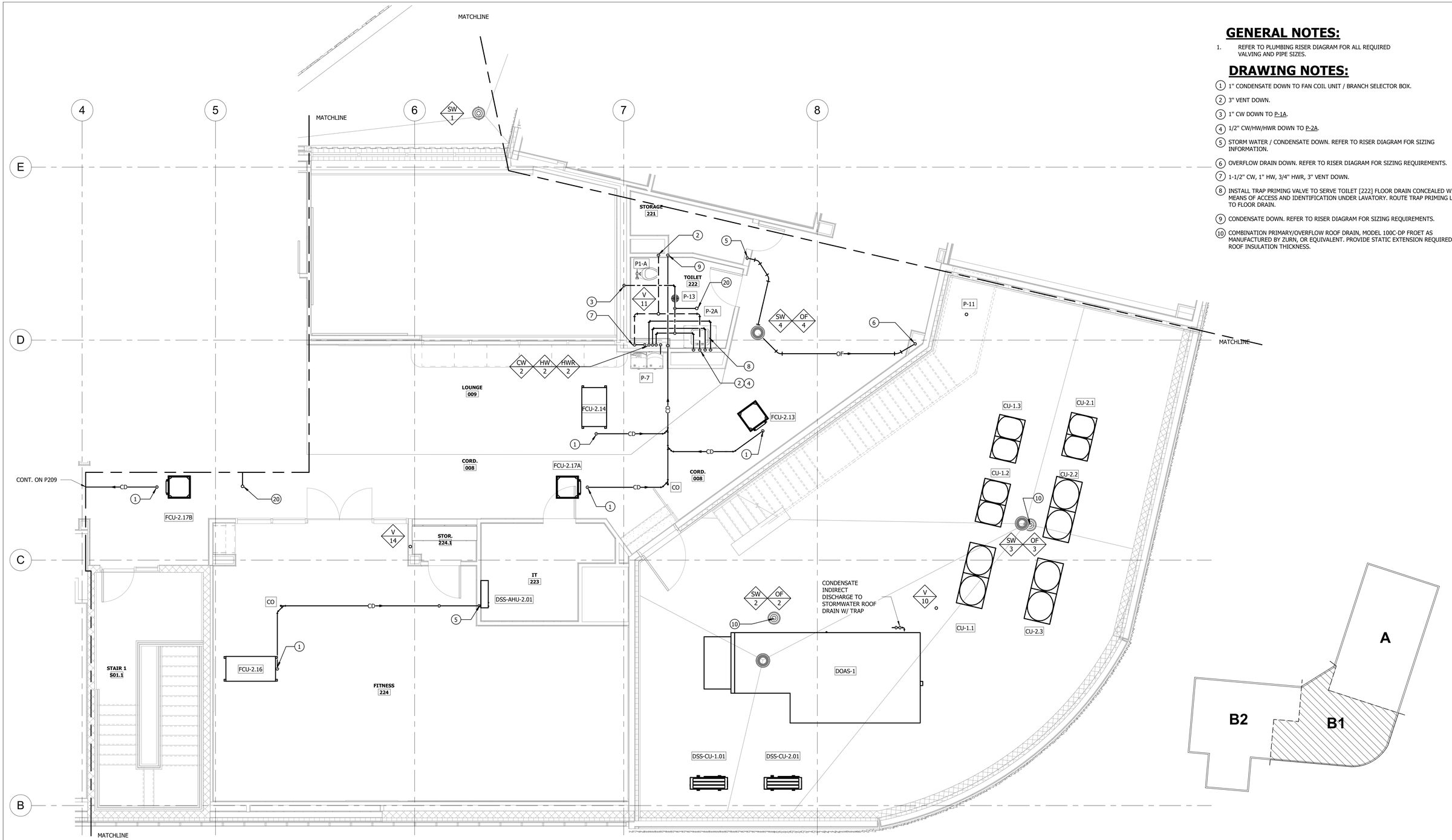
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P207	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 217 OF 302	
DRAWING NUMBER	2024 – 1530
FILE NO.: 8	REV. 01.10



GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. 1" CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. 3" VENT DOWN.
3. 1" CW DOWN TO P-1A.
4. 1/2" CW/HW/HWR DOWN TO P-2A.
5. STORM WATER / CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING INFORMATION.
6. OVERFLOW DRAIN DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
7. 1-1/2" CW, 1" HW, 3/4" HWR, 3" VENT DOWN.
8. INSTALL TRAP PRIMING VALVE TO SERVE TOILET [222] FLOOR DRAIN CONCEALED WITH MEANS OF ACCESS AND IDENTIFICATION UNDER LAVATORY. ROUTE TRAP PRIMING LINE TO FLOOR DRAIN.
9. CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
10. COMBINATION PRIMARY/OVERFLOW ROOF DRAIN, MODEL 100C-DP FROET AS MANUFACTURED BY ZURN, OR EQUIVALENT. PROVIDE STATIC EXTENSION REQUIRED FOR ROOF INSULATION THICKNESS.

SECOND FLOOR - PLUMBING - WING B PART 1

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\289691-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL

DATE: 7/14/2025 7:39:08 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: MRS
DWN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: As indicated | APPROVED BY: _____ PROPERTY MANAGER

14SW20 | PROFILE SCALE: _____ | DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR - PLUMBING - WING B PART 1

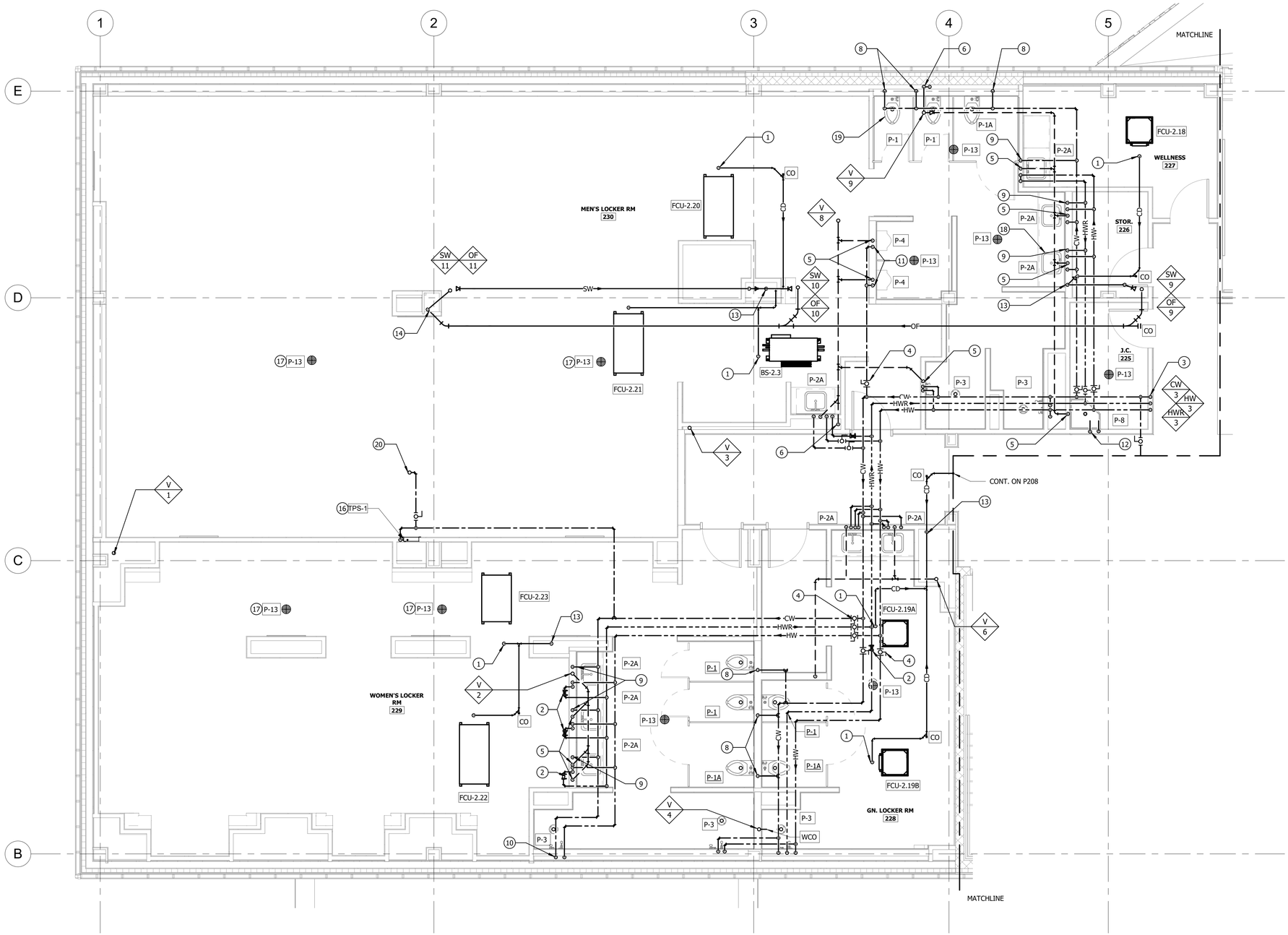
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P208	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 218 OF 302	
DRAWING NUMBER	2024 – 1531
FILE NO.: 8	REV. 00/00



SECOND FLOOR - PLUMBING - WING B PART 2

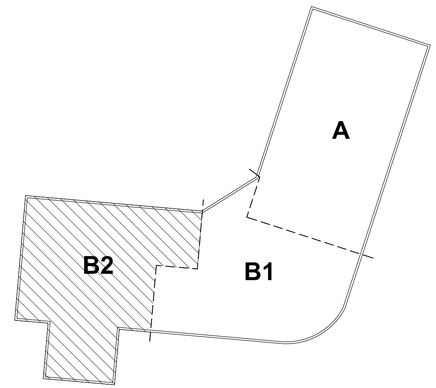
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.

DRAWING NOTES:

1. 1" CONDENSATE DOWN TO FAN COIL UNIT / BRANCH SELECTOR BOX.
2. COMBINATION THERMOSTATIC BALANCING AND SHUTOFF VALVE.
3. 2-1/2" CW, 2" HW, 3/4" HWR DOWN.
4. BALL VALVE (TYPICAL).
5. 2" VENT DOWN.
6. 3" VENT DOWN.
7. 4" VENT DOWN.
8. 1" CW DOWN TO P-1/P-1A.
9. 1/2" CW/HW/HWR DOWN TO P-2/P-2A.
10. 3/4" CW/HW DOWN TO P-3.
11. 1" CW DOWN TO P-4.
12. 3/4" CW/HW DOWN TO P-8.
13. STORM WATER DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
14. OVERFLOW DRAIN DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
15. CONDENSATE DOWN. REFER TO RISER DIAGRAM FOR SIZING REQUIREMENTS.
16. FLUSH MOUNTED TRAP PRIMING STATION TPS-1, MODEL PT-4 AS MANUFACTURED BY PRECISION PLUMBING, OR EQUIVALENT. ROUTE TRAP PRIMING LINES TO P-13 IN MEN'S LOCKER ROOM (QTY. 2) AND TO P-13 IN WOMEN'S LOCKER ROOM (QTY. 2). REFER TO SPECIFICATION 22 05 23 FOR ADDITIONAL INFORMATION.
17. TRAP PRIMING LINE FROM TRAP PRIMING STATION TPS-1.
18. INSTALL TRAP PRIMING VALVE TO SERVE FLOOR DRAINS CONCEALED WITH MEANS OF ACCESS AND IDENTIFICATION UNDER LAVATORY. ROUTE TRAP PRIMING LINES TO FLOOR DRAIN IN FRONT OF LAVATORIES AND TO FLOOR DRAIN IN FRONT OF URINALS.
19. INSTALL TRAP PRINING VALVE FROM WATER CLOSET FLUSH VALVE. ROUTE TRAP PRIMING LINE TO FLOOR DRAIN IN FRONT OF WATER CLOSETS.
20. 1/2" CW UP TO P-11.



SCALE: 1/4" = 1'-0"

4 0 4 8

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt

SEAL

DATE : 7/14/2025 7:39:12 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: _____ DATE: _____ CHKD BY: AL

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR- PLUMBING - WING B PART 2

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P209	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 219 OF 302	
DRAWING NUMBER	
2024 - 1532	
FILE NO.: 8	REV. 07.22

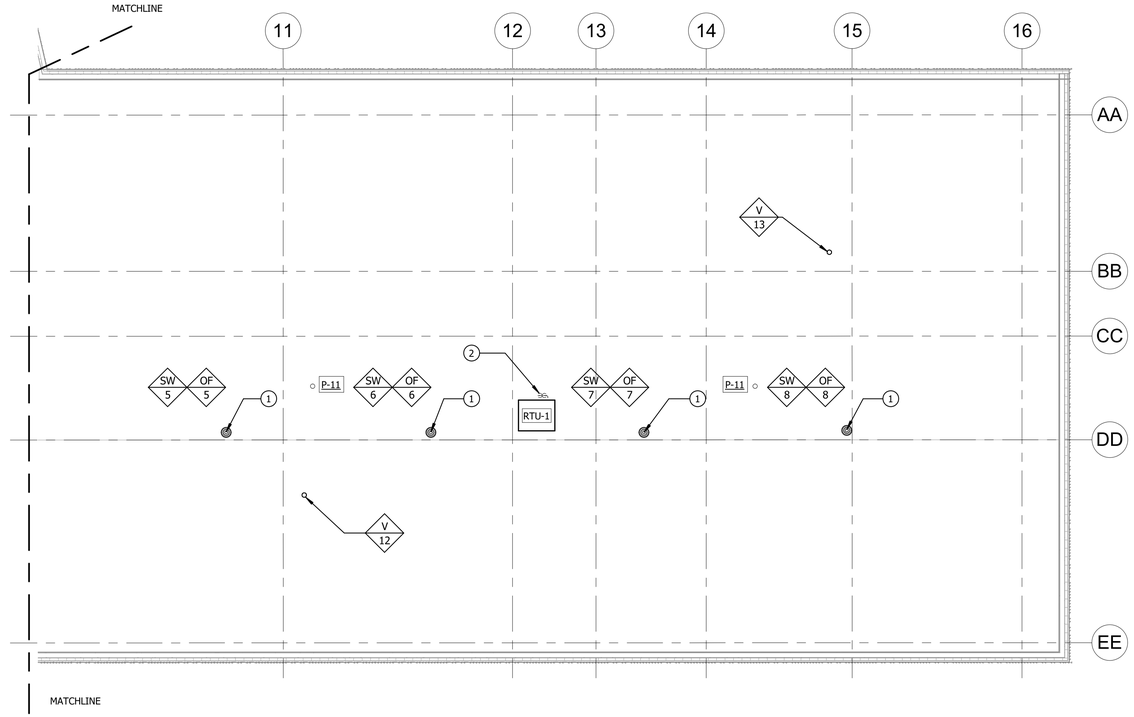
GENERAL NOTES:

1. COORDINATE EXACT LOCATION OF ALL VENT THROUGH ROOFS AND ROOF HYDRANTS WITH APPROVED SOLAR VENDOR LAYOUT.

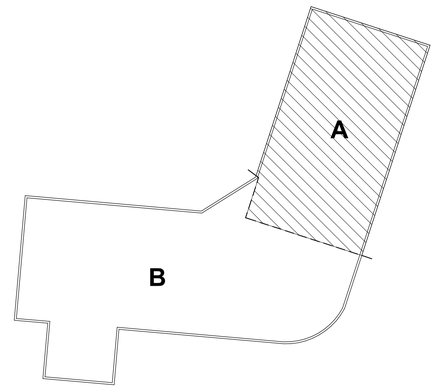
DRAWING NOTES:

(1) COMBINATION PRIMARY/OVERFLOW ROOF DRAIN, MODEL 100C-DP FROET AS MANUFACTURED BY ZURN, OR EQUIVALENT. PROVIDE STATIC EXTENSION REQUIRED FOR ROOF INSULATION THICKNESS.

(2) ROUTE CONDENSATE TO INDIRECTLY DISCHARGE TO STORMWATER ROOF DRAIN.



ROOF - PLUMBING - WING A
SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"
8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL

DATE : 7/14/2025 7:39:14 AM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE: _____							14SW19	PLAN SCALE:	As indicated	APPROVED BY: _____ PROPERTY MANAGER
					R.O.W. NO.	GSW	14SW20	PROFILE SCALE:		DATE: _____
ENGINEER: _____	DGN BY: MRS	CONTRACT COMPLETION BOX								
	DRN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT		REVIEWED BY:								
BY:	CHKD BY: AL	DATE REVIEWED:								
DATE:										

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF - PLUMBING - WING A

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

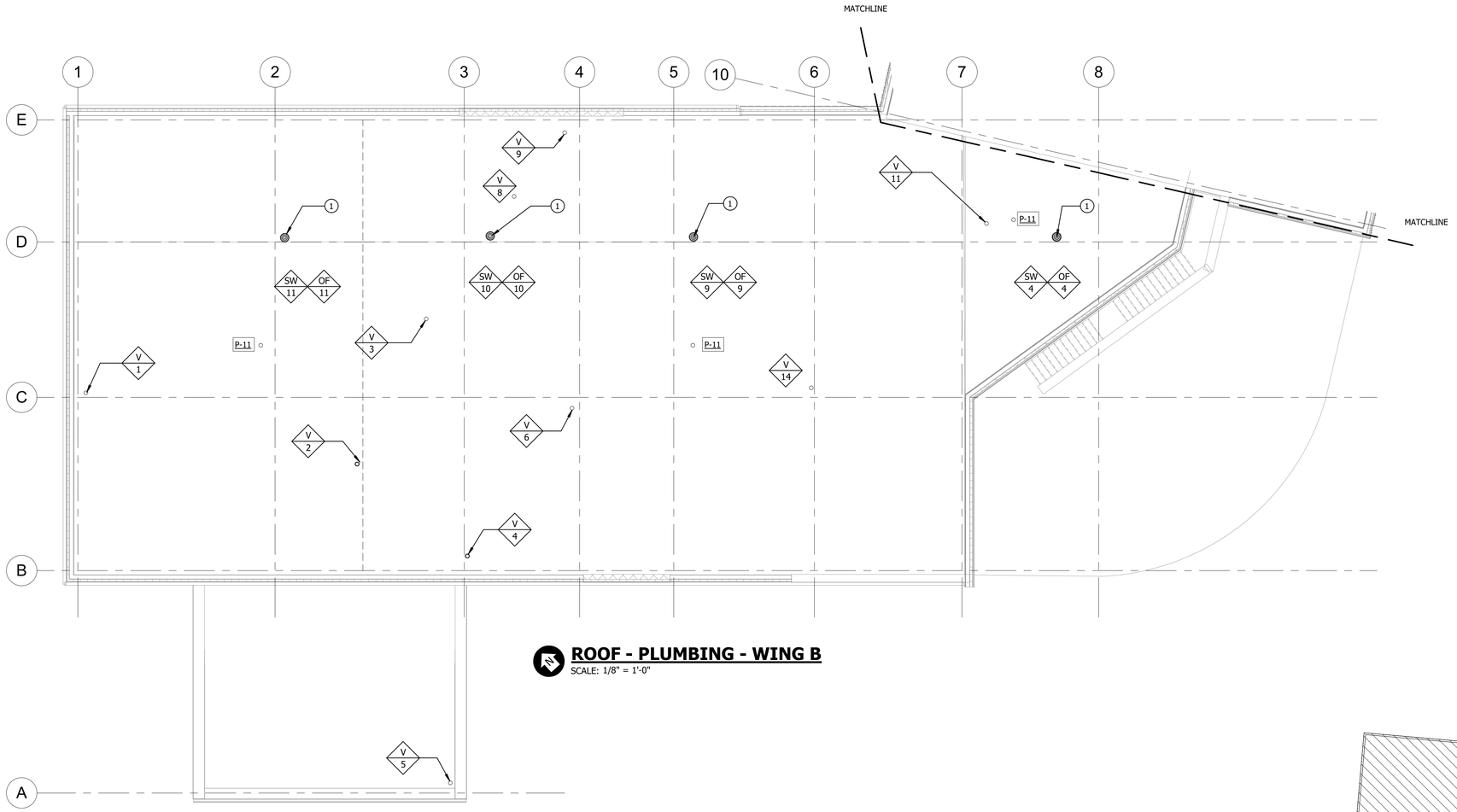
SHEET DESIGNATION	CONTRACT NUMBER
P210	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 220 OF 302
	DRAWING NUMBER
	2024 – 1533
	FILE NO.: 8 REV. 01.22

GENERAL NOTES:

1. COORDINATE EXACT LOCATION OF ALL VENT THROUGH ROOFS AND ROOF HYDRANTS WITH APPROVED SOLAR VENDOR LAYOUT.

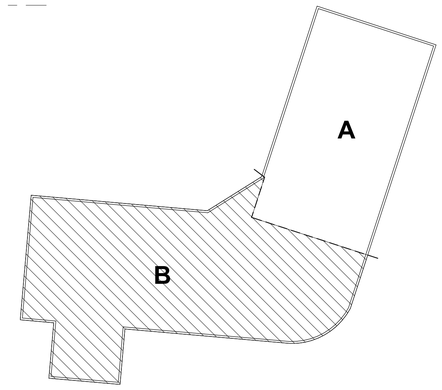
DRAWING NOTES:

(1) COMBINATION PRIMARY/OVERFLOW ROOF DRAIN, MODEL 100C-DP FROET AS MANUFACTURED BY ZURN, OR EQUIVALENT. PROVIDE STATIC EXTENSION REQUIRED FOR ROOF INSULATION THICKNESS.



ROOF - PLUMBING - WING B

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

C:\Users\mscott\Documents\2806\01 Wilkens Police Precinct Central-R21_mscottRSPQP.rvt

DWG. FILENAME:

SEAL

DATE : 7/14/2025 7:39:16 AM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____							14SW19	PLAN SCALE:	As indicated	APPROVED BY: _____ PROPERTY MANAGER
ENGINEER: _____	DGN BY: MRS	CONTRACT COMPLETION BOX			R.O.W NO.	GSW	14SW20	PROFILE SCALE:		DATE: _____
AS-BUILT PER RECORD PRINT	DRN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: AL	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF - PLUMBING - WING B

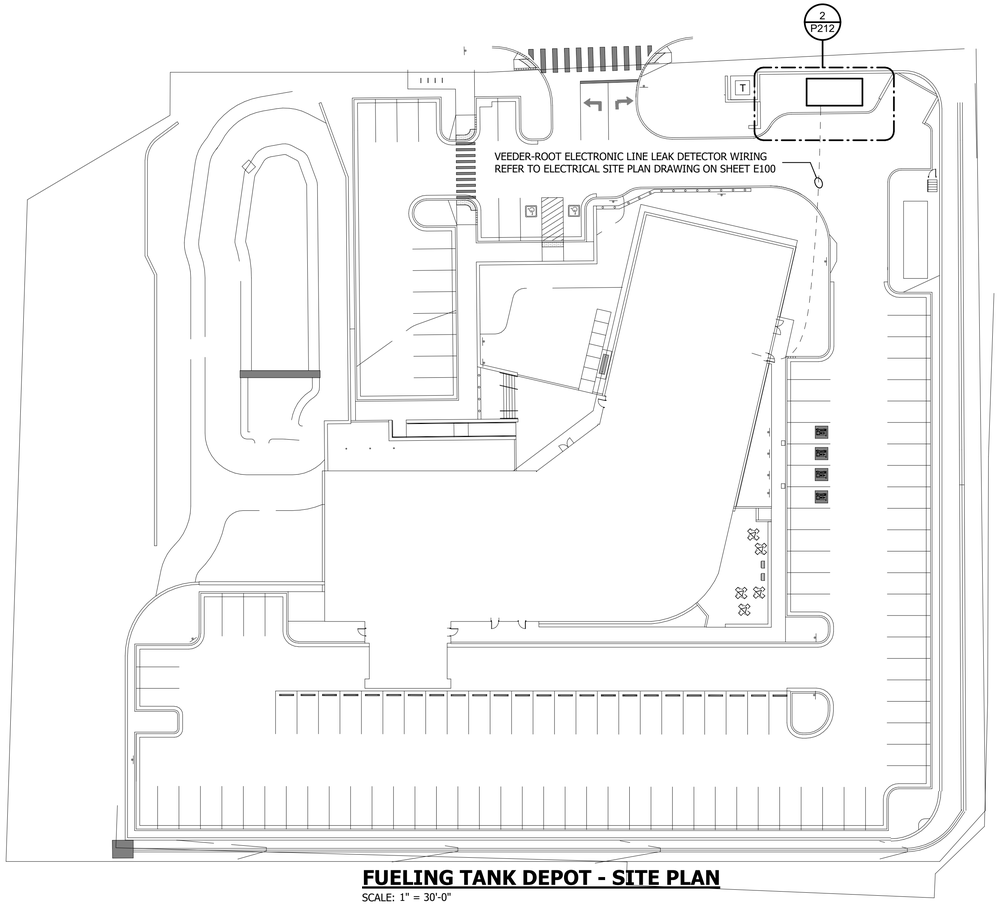
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P211	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 221 OF 302	
DRAWING NUMBER	2024 – 1534
FILE NO.: 8	REV. 07/25

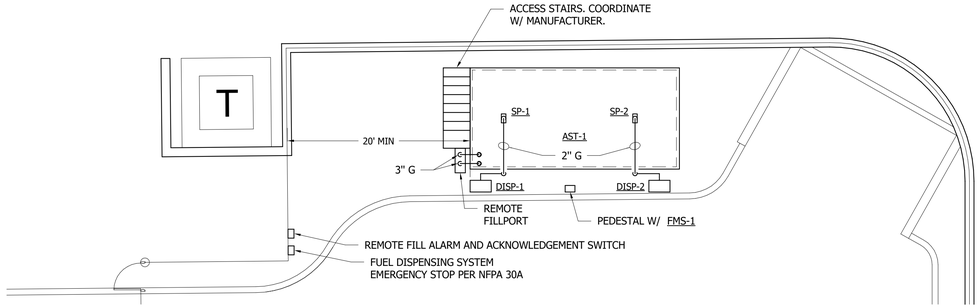


FUELING TANK DEPOT - SITE PLAN

SCALE: 1" = 30'-0"

SCALE: 1" = 30'

30 0 30 60



FUELING TANK DEPOT - PART PLAN

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR8WQP.rvt

SEAL

DATE : 7/14/2025 7:39:16 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: As indicated
PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING - FUELING AREA

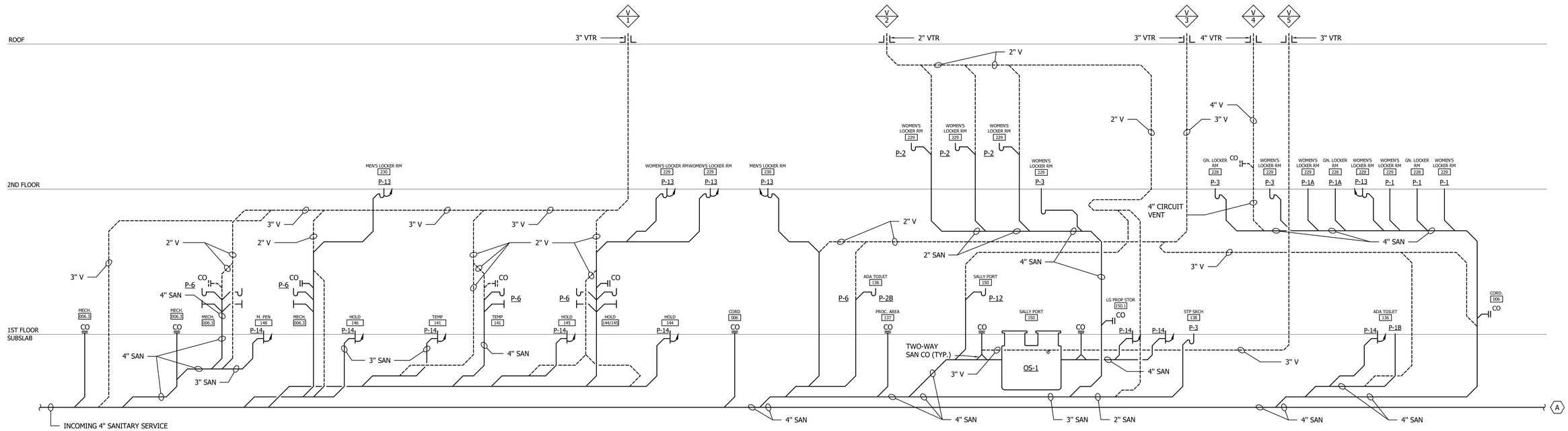
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

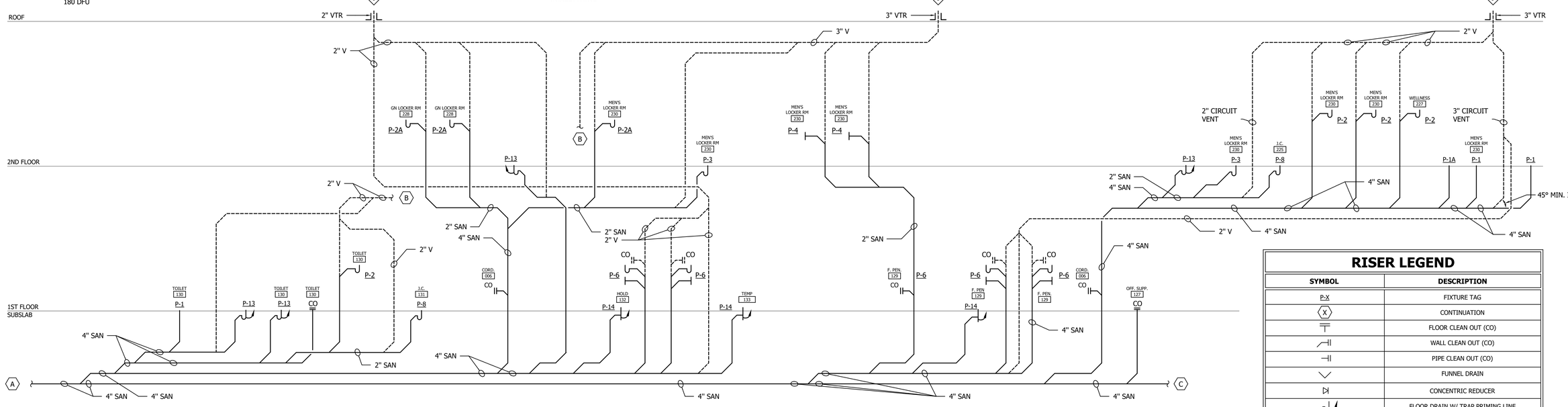
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P212	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 222 OF 302	
DRAWING NUMBER	
2024 – 1535	
FILE NO.: 8	REV. 0



SANITARY VENT RISER DIAGRAM

SCALE: NONE



SANITARY VENT RISER DIAGRAM

SCALE: NONE

RISER LEGEND

SYMBOL	DESCRIPTION
P-X	FIXTURE TAG
X	CONTINUATION
	FLOOR CLEAN OUT (CO)
	WALL CLEAN OUT (CO)
	PIPE CLEAN OUT (CO)
	FUNNEL DRAIN
	CONCENTRIC REDUCER
	FLOOR DRAIN W/ TRAP PRIMING LINE
	RISER TAG

DWG. FILENAME: C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt

SEAL:

DATE : 7/14/2025 7:39:16 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT DRN BY: MRS

BY: _____ CHKD BY: AL

DATE: _____

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	NONE
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

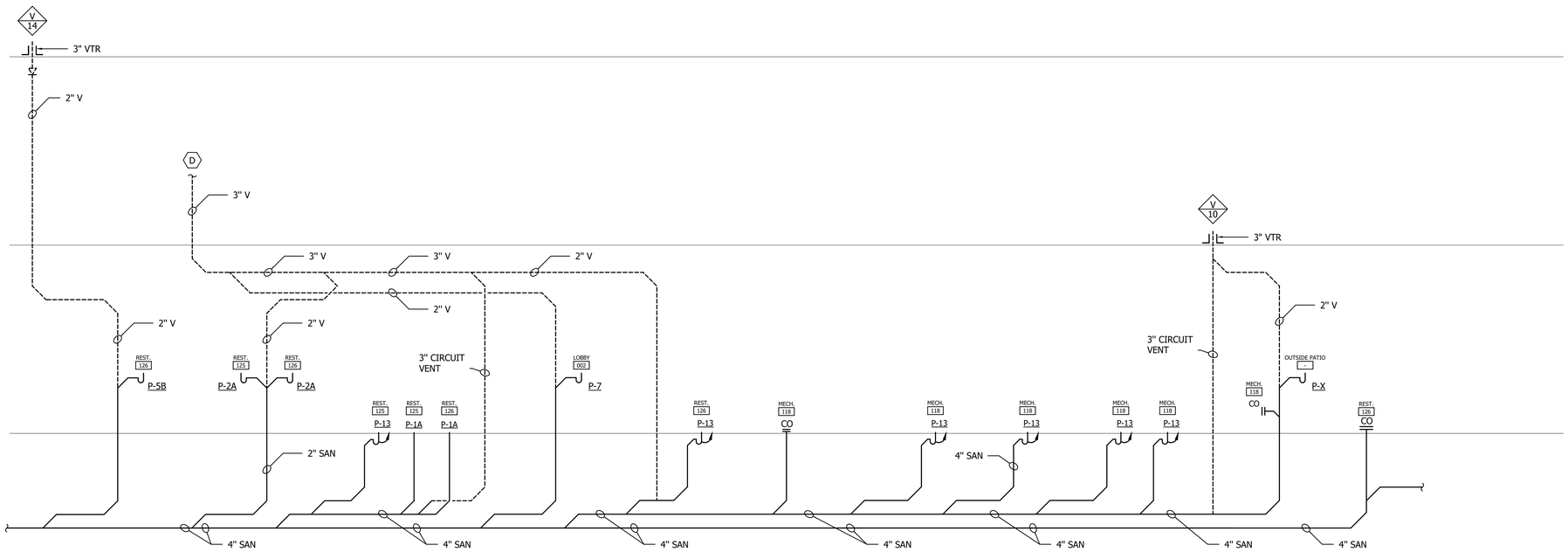
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

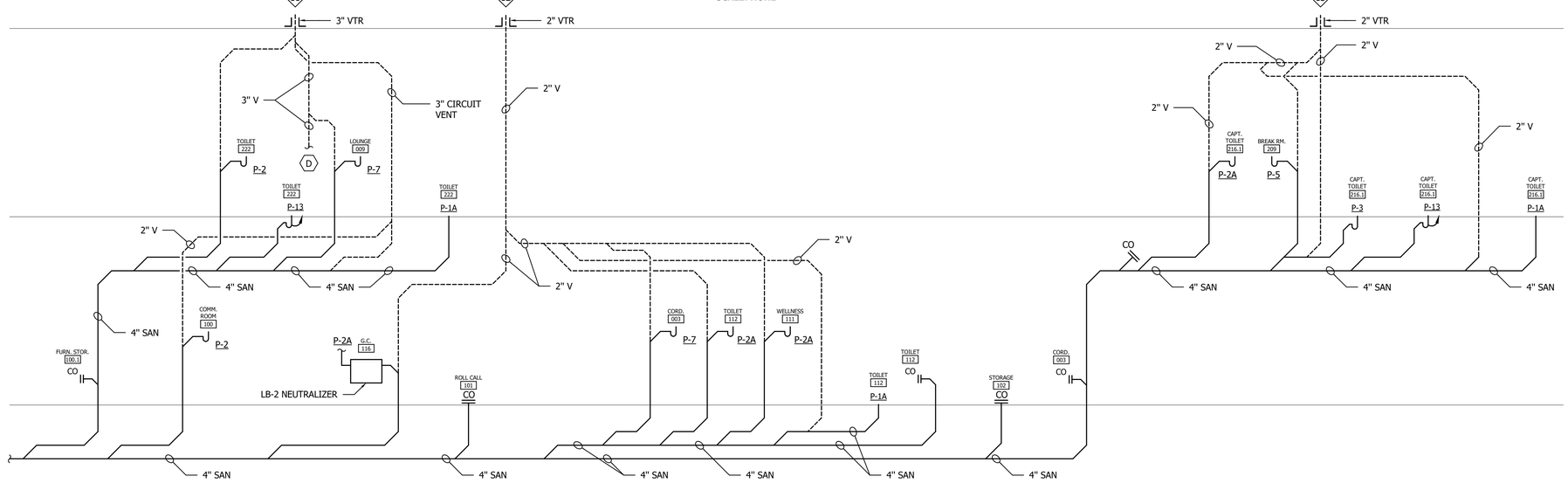
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P601	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 223 OF 302	
DRAWING NUMBER	
2024 – 1536	
FILE NO.: 8	REV. 07/24



SANITARY VENT RISER DIAGRAM

SCALE: NONE



SANITARY VENT RISER DIAGRAM

SCALE: NONE

RISER LEGEND

SYMBOL	DESCRIPTION
P-X	FIXTURE TAG
X	CONTINUATION
	FLOOR CLEAN OUT (CO)
	WALL CLEAN OUT (CO)
	PIPE CLEAN OUT (CO)
	FUNNEL DRAIN
	CONCENTRIC REDUCER
	FLOOR DRAIN W/ TRAP PRIMING LINE
	RISER TAG

DWG. FILENAME: C:\Users\mscott\Documents\298060 Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt

SEAL

DATE : 7/14/2025 7:39:17 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____

DATE: _____

DGN BY: MRS

DRN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: NONE

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

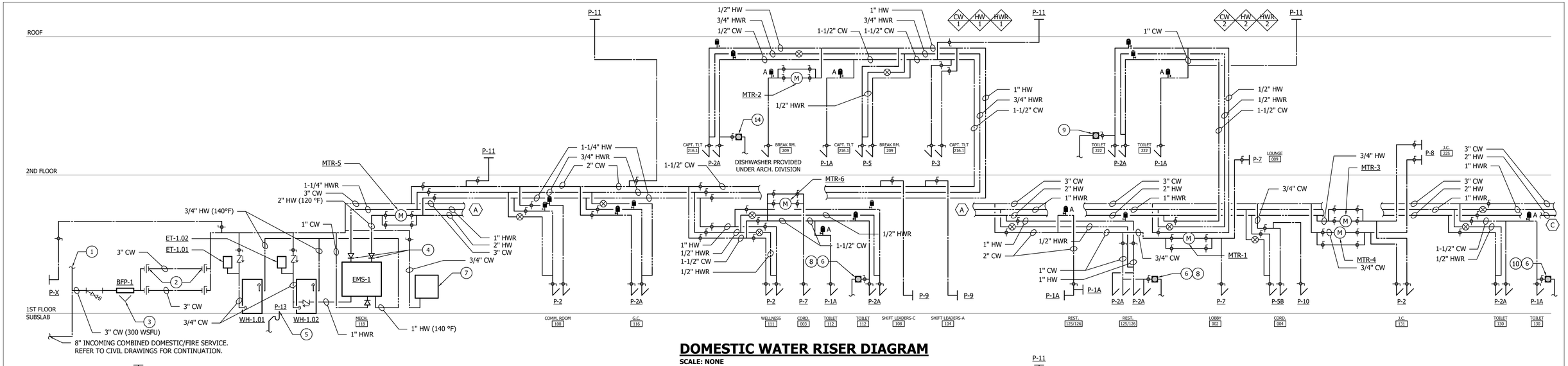
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

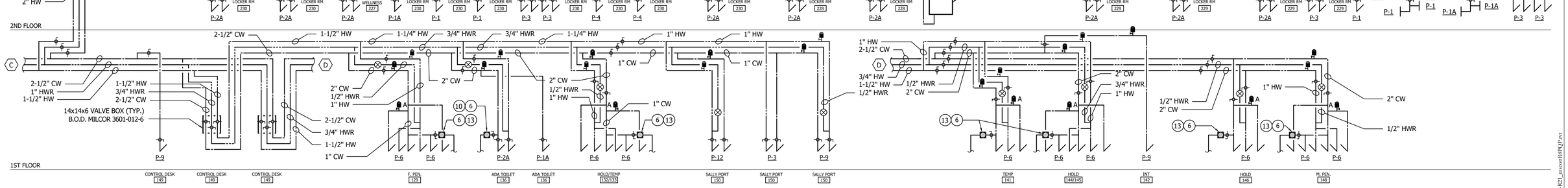
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P602	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 224 OF 302	
DRAWING NUMBER	2024 – 1537
FILE NO.: 8	REV. 07/25



DOMESTIC WATER RISER DIAGRAM

SCALE: NONE



DOMESTIC WATER RISER DIAGRAM

SCALE: NONE

DRAWING NOTES

1. TO FIRE PROTECTION BACKFLOW PREVENTER. REFER TO FIRE PROTECTION DRAWINGS FOR CONTINUATION.
2. BYPASS FOR FUTURE BUILDING WATER TREATMENT.
3. PIPE FUNNEL DRAIN DISCHARGE TO NEAREST FLOOR DRAIN.
4. TRANSITION TO CONNECTION SIZE OF EQUIPMENT.
5. PIPE WH-1.01, WH-1.02 T&P RELIEF DISCHARGE TO NEAREST FLOOR DRAIN.
6. TRAP PRIMING VALVE MODEL NO. P2-500 AS MANUFACTURED BY PRECISION PLUMBING, OR EQUIVALENT. ROUTE TRAP PRIMING LINES TO FLOOR DRAINS. COORDINATE TO PROVIDE TRAP PRIMING LINES BEFORE POURING SLAB.
7. TRAP PRIMING STATION MODEL. NO PT-6 AS MANUFACTURED BY PRECISION PLUMBING, OR EQUIVALENT. ROUTE TRAP PRIMING LINES TO SERVE FIVE FLOOR DRAINS LOCATED IN MECH. [118]. COORDINATE TO PROVIDE TRAP PRIMING LINES BEFORE POURING SLAB.
8. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN REST. [126] AND REST. [125]. INSTALL CONCEALED UNDER LAVATORY IN REST. [126] WITH MEANS OF ACCESS AND IDENTIFICATION. PROVIDE DISTRIBUTION UNIT TO SERVE TWO FLOOR DRAINS.
9. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN TOILET [222]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.
10. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN TOILET [130]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.
11. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN ADA TOILET [136]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.
12. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN TOILET [112]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.
13. TRAP PRIMING VALVE LOCATED IN PENAL AREA CHASE. IN BACK-TO-BACK CHASES, PROVIDE DISTRIBUTION UNIT TO SERVE TWO FLOOR DRAINS.
14. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN CAPT. TOILET [216.1]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.
15. TRAP PRIMING STATION MODEL. NO PT-4 AS MANUFACTURED BY PRECISION PLUMBING, OR EQUIVALENT. ROUTE TRAP PRIMING LINES TO SERVE FOUR FLOOR DRAINS; TWO DRAINS IN MEN'S LOCKER ROOM, AND TWO DRAINS IN WOMEN'S LOCKER ROOM.
16. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN FRONT OF WATER CLOSETS IN MEN'S LOCKER ROOM [230].
17. TRAP PRIMING VALVE TO SERVE FLOOR DRAIN LOCATED IN FRONT OF LAVATORIES AND FLOOR DRAIN LOCATED IN FRONT OF URINALS IN MEN'S LOCKER ROOM [230]. INSTALL CONCEALED UNDER LAVATORY WITH MEANS OF ACCESS AND IDENTIFICATION.

RISER LEGEND

SYMBOL	DESCRIPTION
P-X	FIXTURE TAG
X	CONTINUATION
	FUNNEL DRAIN
	BALL VALVE
	CHECK VALVE
	BUTTERFLY VALVE
A	SHOCK ABSORBER
	STRAINER (WYE OR BASKET)
M	METER
	COMBINATION BALANCING AND SHUTOFF VALVE
	TRAP PRIMING VALVE
	RISER TAG

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DATE : 7/14/2025 7:39:17 AM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W. NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: NONE
PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: MRS							
DRN BY: MRS							
CHKD BY: AL							
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

NEW BUILDING DESIGN

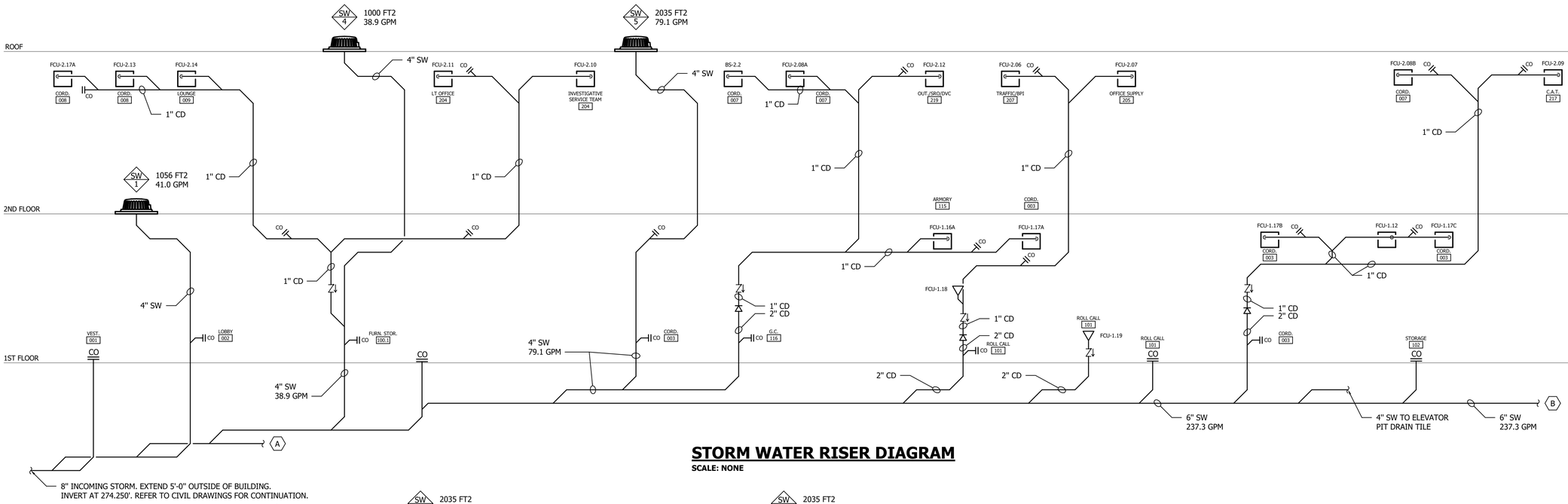
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

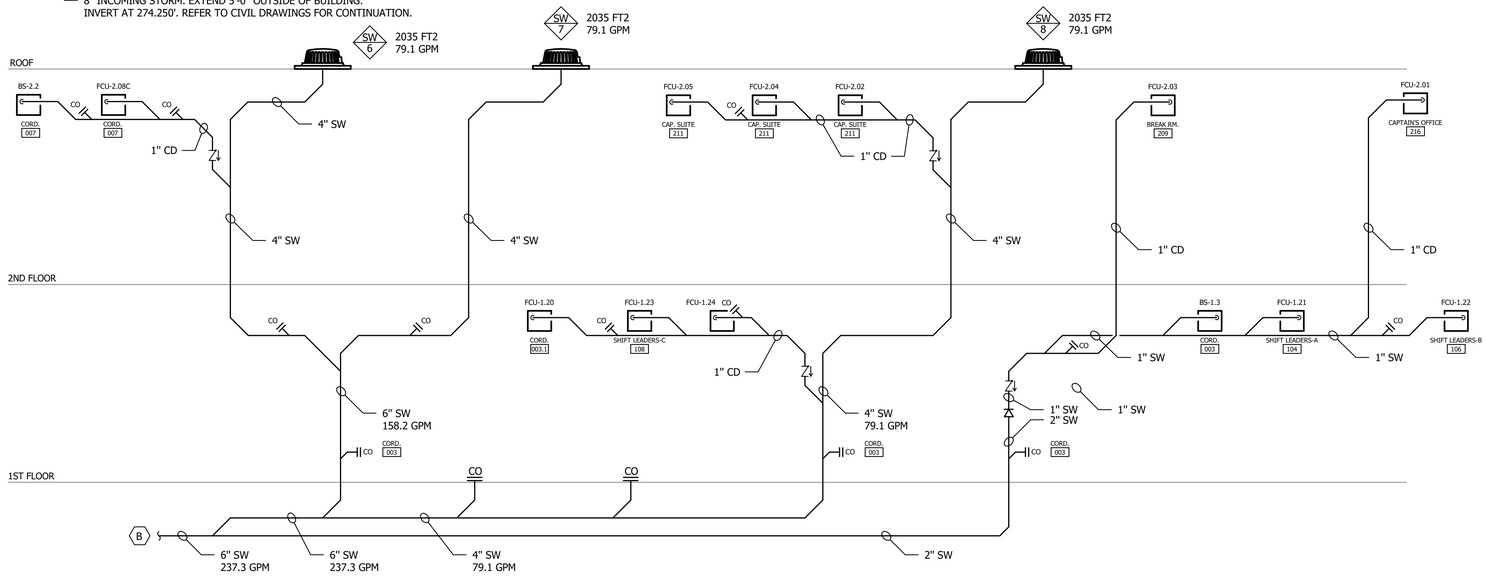
SHEET DESIGNATION	CONTRACT NUMBER
P603	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 225 OF 302	
DRAWING NUMBER	
2024 - 1538	
FILE NO.: 8	REV. 0

DWG. FILENAME: C:\Users\mscott1\Documents\290601-Wilkens Police Precinct-Central-R21_mscottBRNQP.rvt



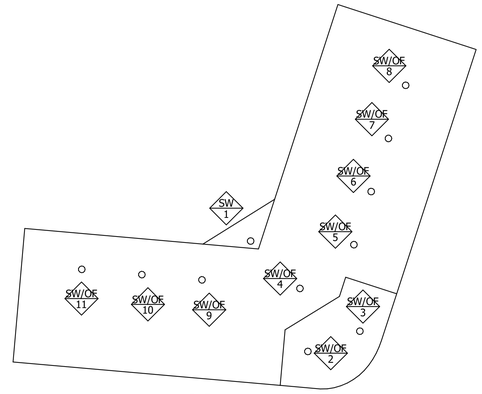
STORM WATER RISER DIAGRAM

SCALE: NONE



STORM WATER RISER DIAGRAM

SCALE: NONE



ROOF PLAN

SCALE: NONE

RISER LEGEND

SYMBOL	DESCRIPTION
	FLOOR CLEAN OUT (CO)
	WALL CLEAN OUT (CO)
	PIPE CLEAN OUT (CO)
FCU-X.XX	FAN COIL UNIT
BS-X.X	BRANCH SELECTOR BOX
	CHECK VALVE
	CONDENSATE HUB DRAIN
	CONCENTRIC REDUCER
	RISER TAG

SEAL

DATE : 7/14/2025 7:39:17 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: NONE
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

NEW BUILDING DESIGN

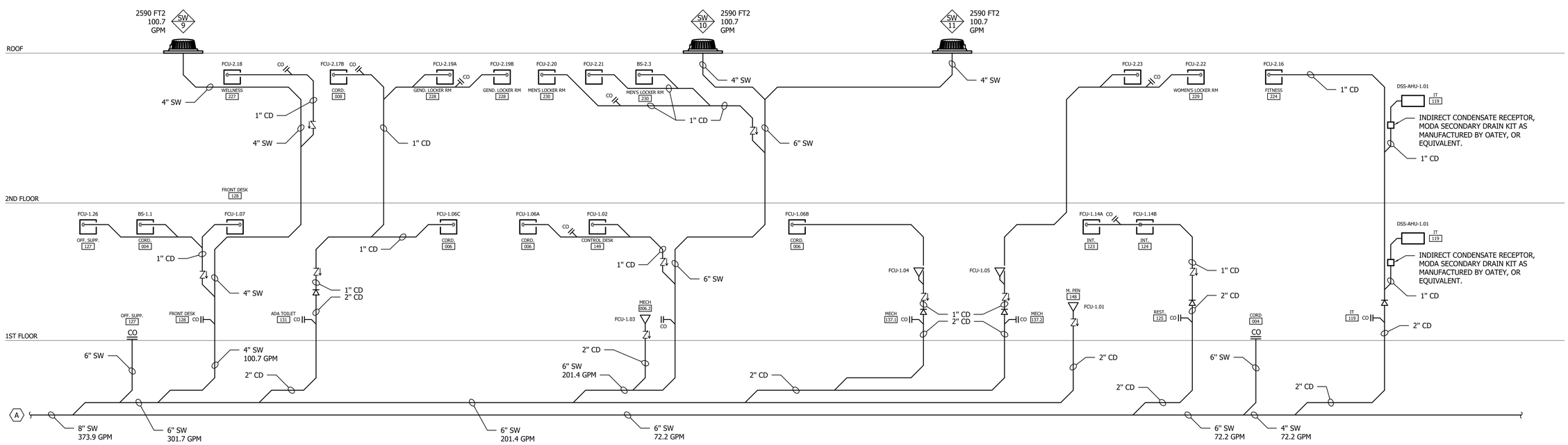
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

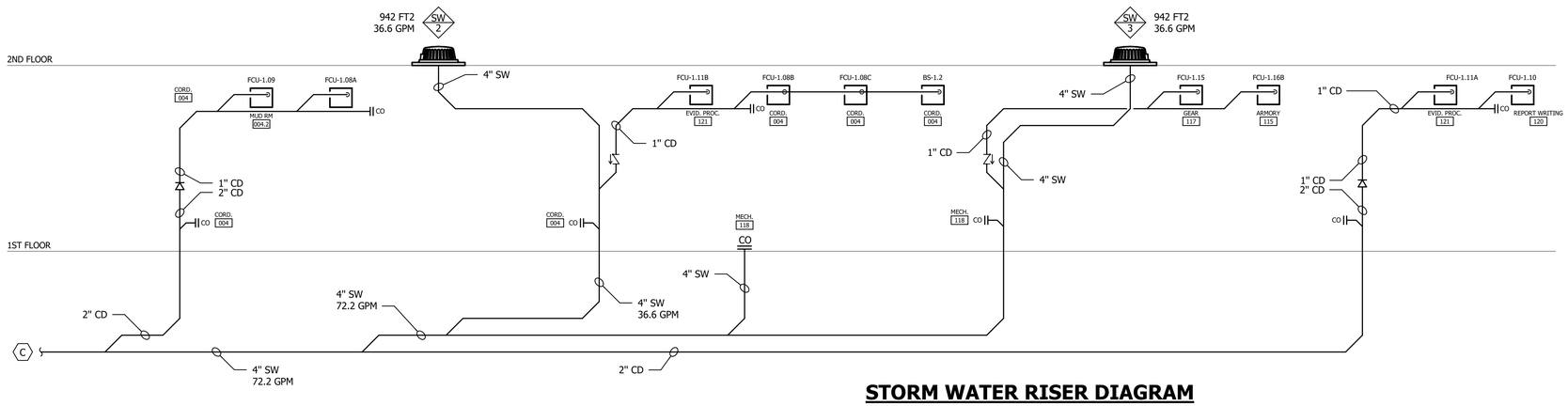
SHEET DESIGNATION	CONTRACT NUMBER
P604	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 226 OF 302	
DRAWING NUMBER	2024 - 1539
FILE NO.: 8	REV. 07.22

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottRSVP.rvt



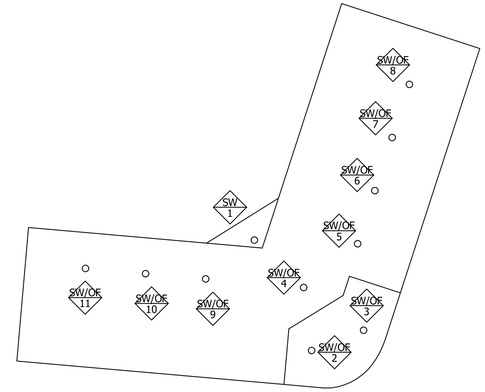
STORM WATER RISER DIAGRAM

SCALE: NONE



STORM WATER RISER DIAGRAM

SCALE: NONE



ROOF PLAN

SCALE: NONE

RISER LEGEND

SYMBOL	DESCRIPTION
	FLOOR CLEAN OUT (CO)
	WALL CLEAN OUT (CO)
	PIPE CLEAN OUT (CO)
FCU-X.XX	FAN COIL UNIT
BS-X.X	BRANCH SELECTOR BOX
	CHECK VALVE
	CONDENSATE HUB DRAIN
	CONCENTRIC REDUCER
	RISER TAG

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottR8WQP.rvt

SEAL

DATE : 7/14/2025 7:39:17 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

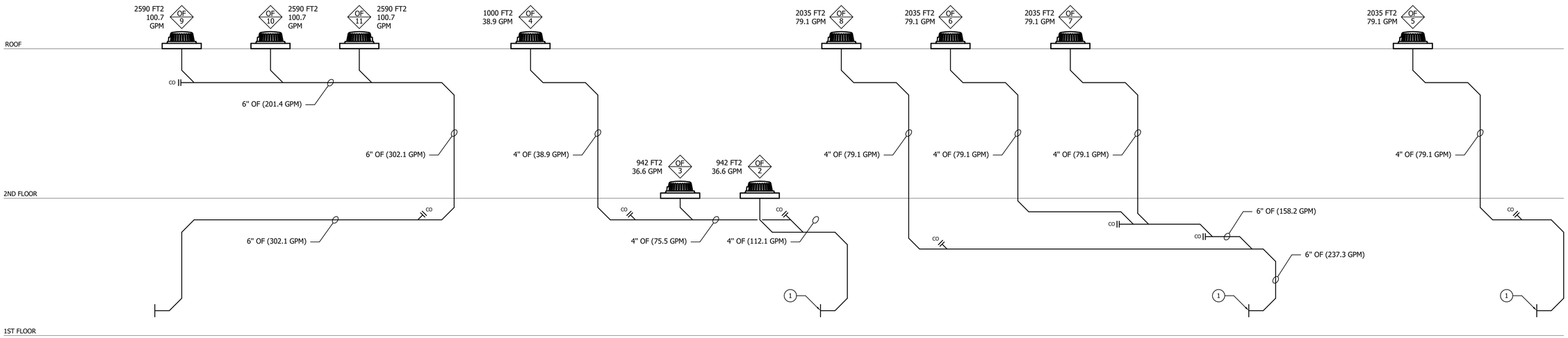
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P605	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 227 OF 302	
DRAWING NUMBER	2024 - 1540
FILE NO.: 8	REV. 12.22

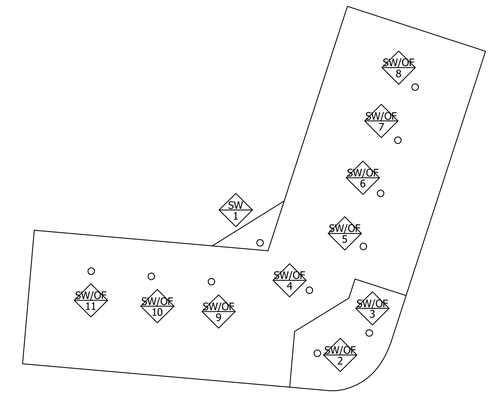


OVERFLOW DRAIN RISER DIAGRAM

SCALE: NONE

DRAWING NOTES

(1) DOWNSPOUT NOZZLE, MODEL NO. Z199-DC AS MANUFACTURED BY ZURN. TERMINATE MINIMUM 1" AFG.



ROOF PLAN

SCALE: NONE

RISER LEGEND

SYMBOL	DESCRIPTION
	FLOOR CLEAN OUT (CO)
	WALL CLEAN OUT (CO)
	PIPE CLEAN OUT (CO)
FCU-X.XX	FAN COIL UNIT
BS-X.X	BRANCH SELECTOR BOX
	CHECK VALVE
	CONDENSATE HUB DRAIN
	CONCENTRIC REDUCER
	RISER TAG

DWG. FILENAME: C:\Users\mscott\Documents\289691-Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt

SEAL

STATE OF MARYLAND — STEVEN BRZOZOWSKI — 31288 — PROFESSIONAL ENGINEER

DATE : 7/14/2025 7:39:17 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____

DATE: _____

DGN BY: MRS

DWN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
CONTRACT COMPLETION BOX			R.O.W. NO.

KEY SHEET	POSITION SHT
GSW	14SW19
	14SW20

DRAWING SCALE

PLAN SCALE: NONE

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING RISER

NEW BUILDING DESIGN

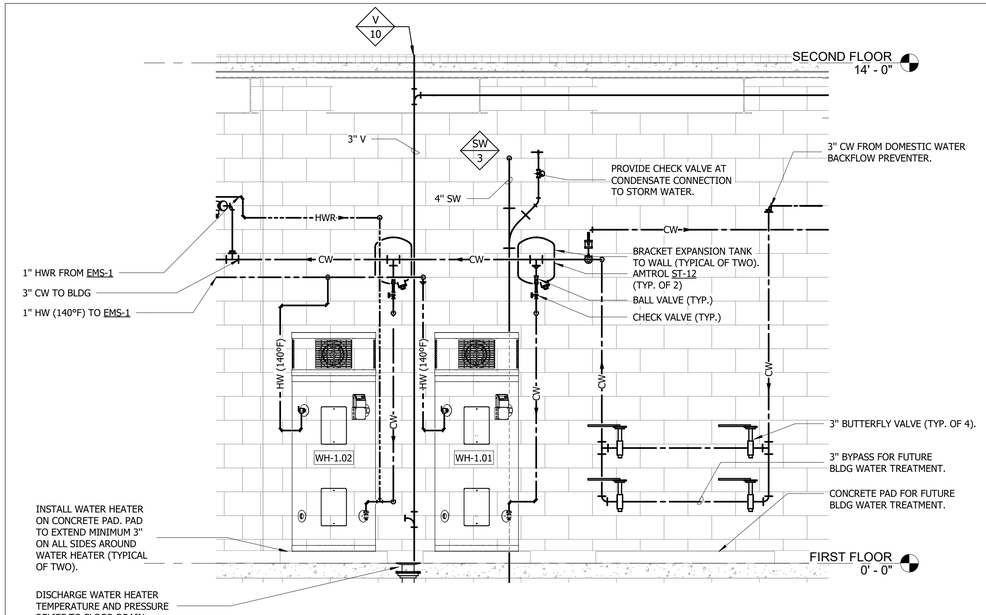
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P606	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 228 OF 302	
DRAWING NUMBER	2024 - 1541
FILE NO.: 8	REV. 00/00

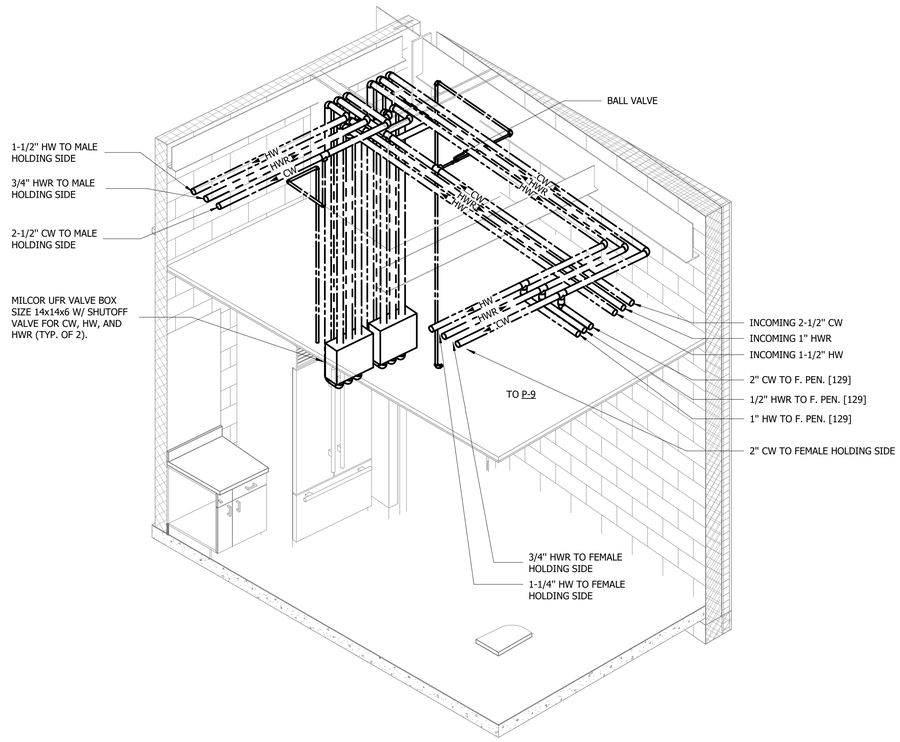
BALTIMORE COUNTY MARYLAND



1 P701 **Mechanical Room Water Heaters**

SCALE: NTS

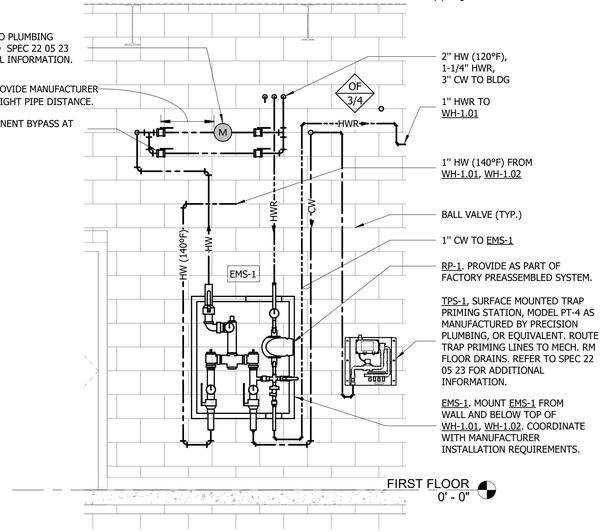
NOTES:
1. REFER TO PLUMBING RISER DIAGRAM FOR PIPE SIZE AND VALVING REQUIREMENTS.



2 P701 **Control Desk Shutoff Valving**

SCALE: NTS

NOTES:
1. DRAWING IS ONLY INTENDED AS A REFERENCE TO ILLUSTRATE INTENT. REFER TO RISER DIAGRAM FOR PIPE SIZES, ADDITIONAL VALVING REQUIREMENTS, ETC. DO NOT SCALE OR DIMENSION OFF THIS DRAWING.



3 P701 **Mechanical Room Electronic Mixing Station**

SCALE: NTS

NOTES:
1. REFER TO PLUMBING RISER DIAGRAM FOR PIPE SIZE AND VALVING REQUIREMENTS.

C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

DWG. FILENAME:

SEAL

DATE: 7/14/2025 7:39:21 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 | PLAN SCALE: NTS | APPROVED BY: _____ PROPERTY MANAGER

14SW20 | PROFILE SCALE: _____ | DATE: _____

DESIGN BY: MRS	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: MRS	REVIEWED BY:							
CHKD BY: AL	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING DETAILS

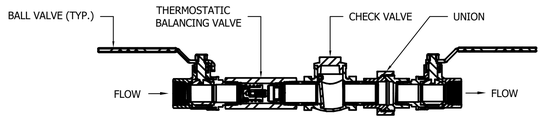
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

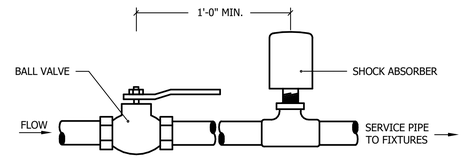
SHEET DESIGNATION	CONTRACT NUMBER
P701	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 229 OF 302
	DRAWING NUMBER
	2024 - 1542
	FILE NO.: 8



1. ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
2. INSTALL DI-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.

DETAIL - TYPICAL DOMESTIC HOT WATER RETURN BALANCING ASSEMBLY

SCALE: NONE



*DESIGNATION	A	B	C	D	E		REMARKS
PIPE SIZE	1/2" - 3/4"	1"	1 1/4" - 1 1/2"	2"	2 1/2"	REFER TO P.D.I. FOR S.A. SIZE	-

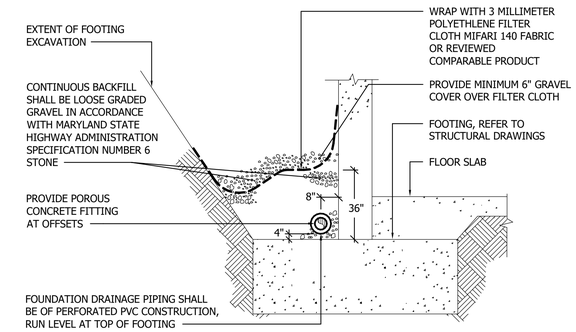
* DESIGNATION IS ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH 201 FOR SHOCK ABSORBERS.

NOTES:

1. SHOCK ABSORBERS SHALL BE INSTALLED ON ALL BRANCH PIPING SERVICING PLUMBING FIXTURES AND WALL HYDRANTS
2. FOR BRANCH PIPES WITH A DEVELOPED LENGTH OF 25' OR LESS ABSORBERS SHALL BE REDUCED ONE SIZE
3. FOR BRANCH PIPES WITH A DEVELOPED LENGTH OF 75' OR GREATER ABSORBERS SHALL BE INCREASED ONE SIZE
4. BALL VALVE AND SHOCK ABSORBER SHALL BE ACCESSIBLE THRU A SINGLE ACCESS DOOR
5. SHOCK ABSORBER SHALL BE CERTIFIED BY THE PLUMBING AND DRAINAGE INSTITUTE (P.D.I.)

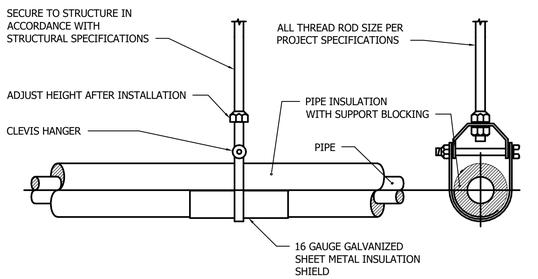
DETAIL - TYPICAL SHOCK ABSORBER INSTALLATION

SCALE: NONE



DETAIL - TYPICAL FOUNDATION DRAIN INSTALLATION

SCALE: NONE

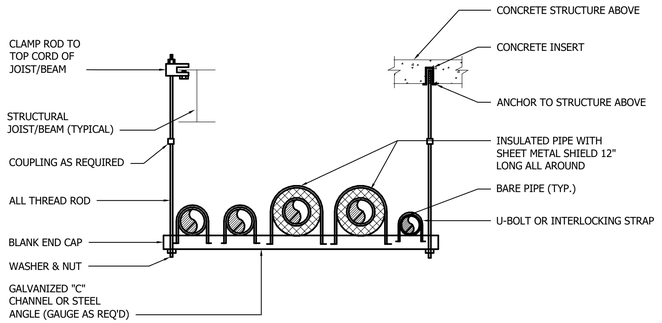


NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL PIPE SUPPORT TYPES AND REQUIREMENTS.
2. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL PIPE SUPPORT DETAILS, INSTALLATION AND REQUIREMENTS.
3. COORDINATE POINT LOADS WITH PROJECT STRUCTURAL ENGINEER.
4. REFER TO SPECIFICATIONS FOR INSULATION TYPES.

DETAIL - PIPE HANGER SUPPORT

SCALE: NONE

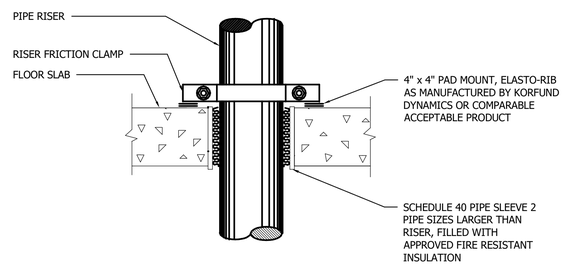


NOTES:

1. ALL PIPING SUPPORT SYSTEM COMPONENTS SHALL HAVE A NON-CORROSIVE METAL FINISH, GALV-KROM OR EQUAL.
2. ALL COPPER PIPING SHALL BE PROTECTED FROM CONTACT WITH DISSIMILAR METALS.
3. PROVIDE BLOCKING TO AVOID, CRUSHING OF INSULATION.

DETAIL - TRAPEZE PIPE SUPPORT

SCALE: NONE



NOTES:

1. ALL FLOOR PENETRATIONS SHALL BE SEALED AND FIREPROOFED.
2. IN MECHANICAL ROOMS, KITCHEN, AND OTHER LOCATIONS, ETC. WHERE WATER WOULD PERIODICALLY BE ON THE FLOOR SLEEVES SHALL EXTEND 2" ABOVE THE FLOOR. RISER CLAMPS SHALL NOT REST ON SLEEVES.
3. FOR WATERPROOF INSTALLATIONS A WATER STOP FLANGE SHALL BE WELDED TO THE MIDPOINT OF THE SLEEVE AND THE ENTIRE ASSEMBLY GALVANIZED AFTER FABRICATION.

DETAIL -TYPICAL PIPE PENETRATION THROUGH FLOOR

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central\R21_mscott86WQP.rvt

SEAL

DATE : 7/14/2025 7:39:22 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT BY: _____ DATE: _____ DRN BY: MRS CHKD BY: AL

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING DETAILS

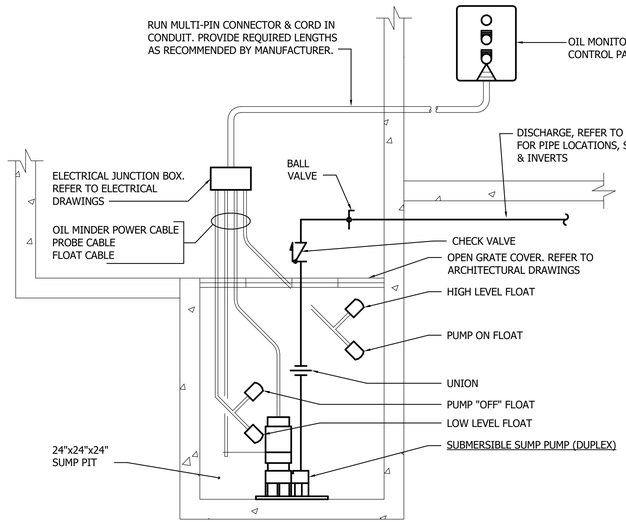
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

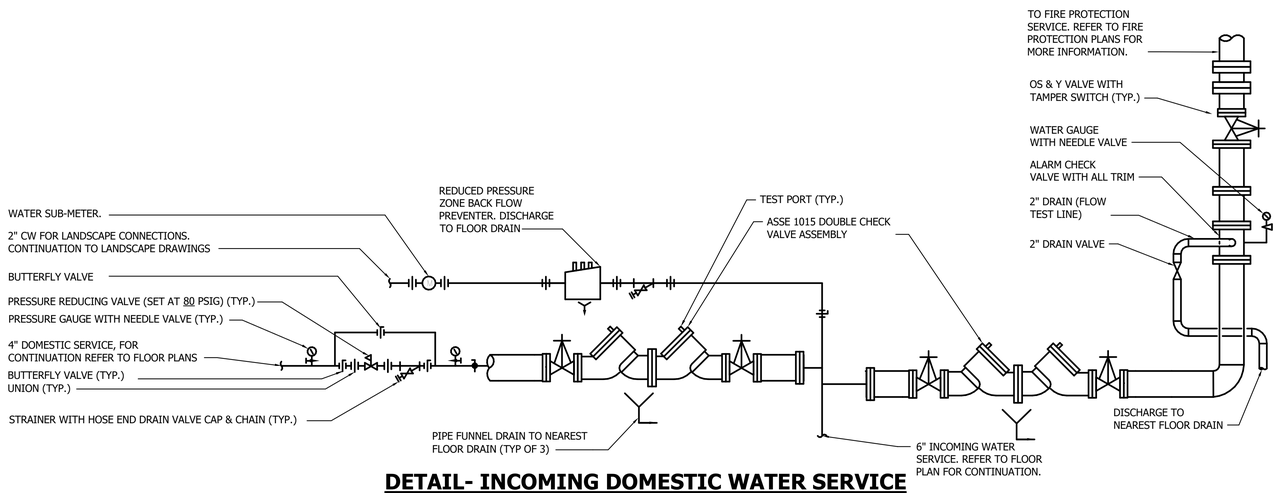
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P702	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 230 OF 302	
DRAWING NUMBER	2024 – 1543
FILE NO.: 8	REV. 0 OF 0



DETAIL - ELEVATOR SUMP PUMP

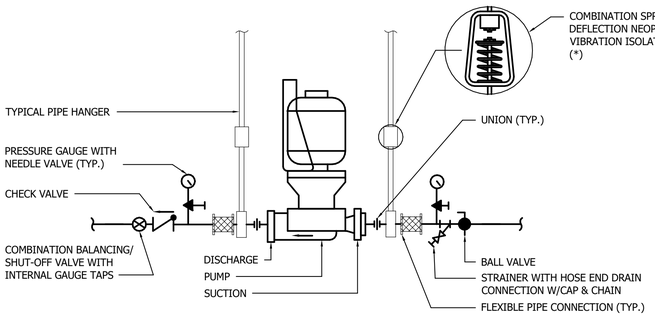
SCALE: NONE



DETAIL- INCOMING DOMESTIC WATER SERVICE VALVING ASSEMBLY

SCALE: NONE

NOTE:
1. MOUNT BACKFLOW PREVENTERS AT PLUMBING CODE/AUTHORITY HAVING JURISDICTION'S REQUIRED HEIGHTS ABOVE FINISHED FLOORS

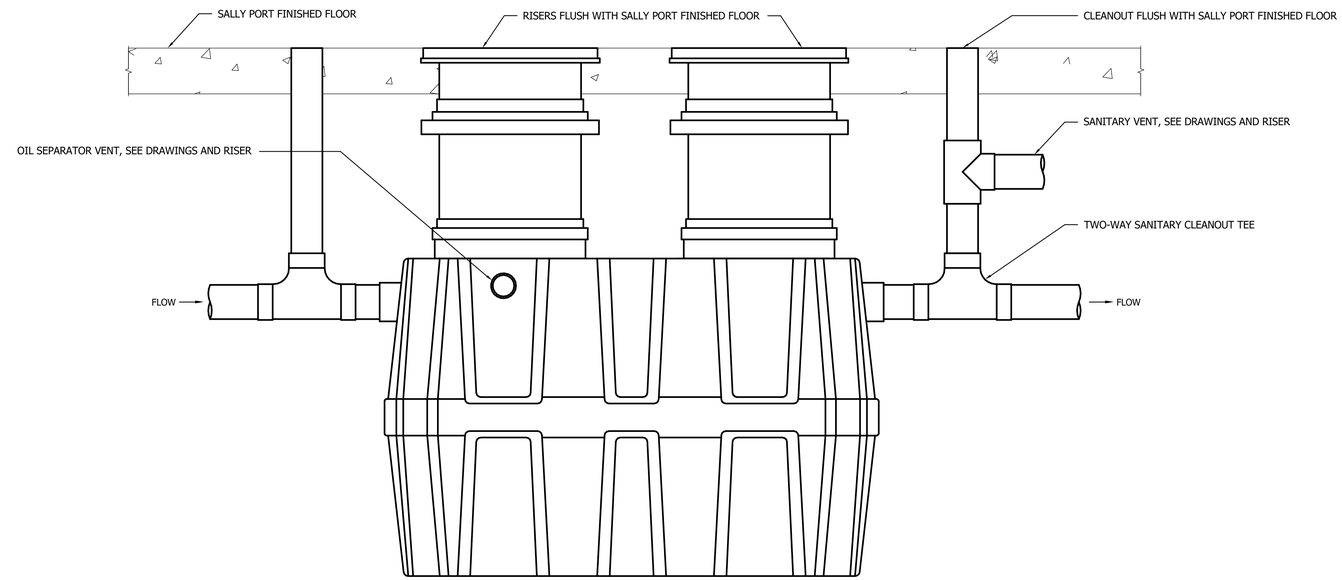


NOTES:

1. WHEN PUMP MOTOR IS MOUNTED HORIZONTALLY ON PUMPS WITH 2-1/2 HP MOTORS OR GREATER, PROVIDE KINDORF RACK, PIPE HANGERS, AND NEOPRENE PAD BETWEEN PUMP MOTOR AND KINDORF CHANNEL.
2. WHEN PUMP MOTOR IS MOUNTED HORIZONTALLY ON PUMPS 2HP OR LESS, DELETE THE COMBINATION SPRING DOUBLE DEFLECTION VIBRATION ISOLATOR.

DETAIL - TYPICAL INLINE DOMESTIC RECIRC. PUMP PIPING / VALVING DIAGRAM

SCALE: NONE



NOTES:

1. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL INSTALLATION REQUIREMENTS.

DETAIL - SAND AND OIL SEPARATOR AT SALLY PORT

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central R21_mscottR8WQP.rvt

SEAL

DATE : 7/14/2025 7:39:22 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.

ENGINEER: _____ DGN BY: MRS

AS-BUILT PER RECORD PRINT BY: DATE: DRN BY: MRS CHKD BY: AL

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING DETAILS

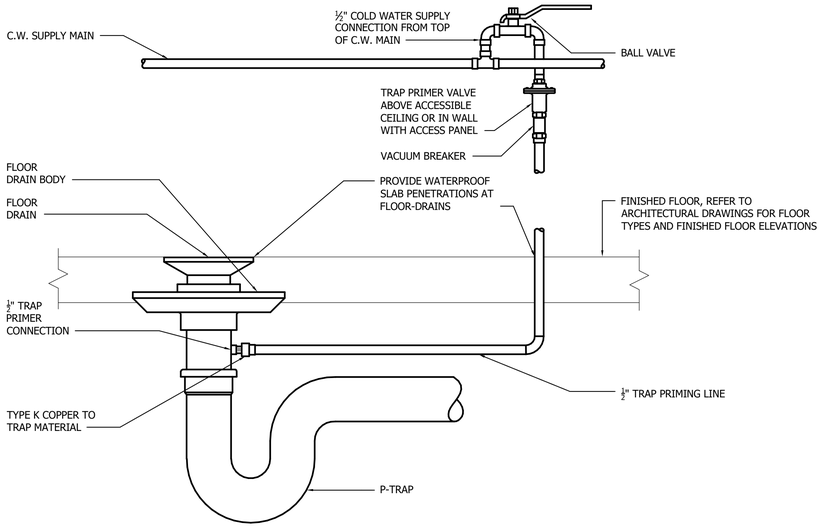
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

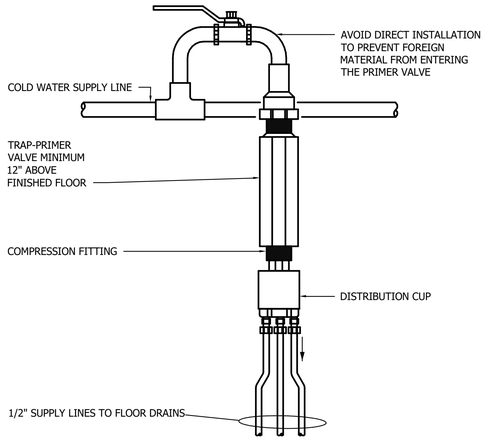
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P703	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 231 OF 302	
DRAWING NUMBER	2024 – 1544
FILE NO.: 8	REV. 0



DETAIL - TYPICAL FLOOR DRAIN WITH TRAP PRIMING VALVE

SCALE: NONE

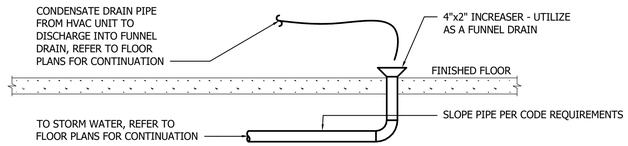


DETAIL - TYPICAL TRAP PRIMER PIPING WITH DISTRIBUTION CUP

SCALE: NONE

NOTES:

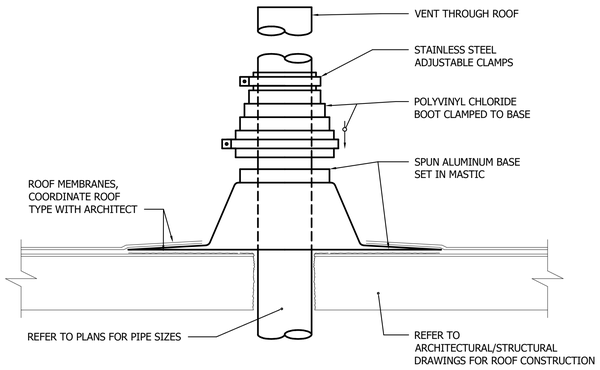
1. PROVIDE ACCESS PANELS TO ALL TRAP PRIMER VALVES.



FUNNEL DRAIN ON SLAB

DETAIL - TYPICAL FUNNEL DRAIN

SCALE: NONE

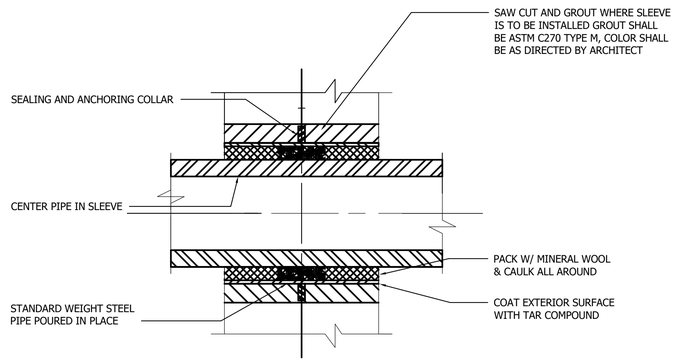


DETAIL - TYPICAL VENT THROUGH ROOF

SCALE: NONE

NOTES:

1. BOOT & BASE SET SHALL BE MANUFACTURED BY THE PATE COMPANY OR COMPARABLE ACCEPTED PRODUCT.

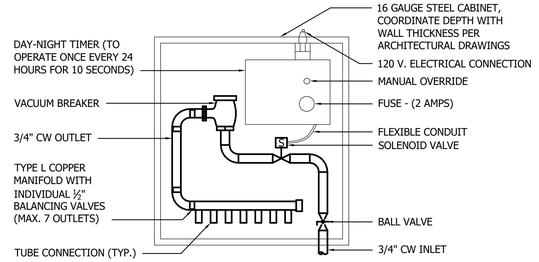


DETAIL - TYPICAL PIPE SLEEVE THRU EXTERIOR WALL

SCALE: NONE

NOTES:

1. PROVIDE WEATHER TIGHT PIPE SLEEVES AT ALL WALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR WALL CONSTRUCTIONS.

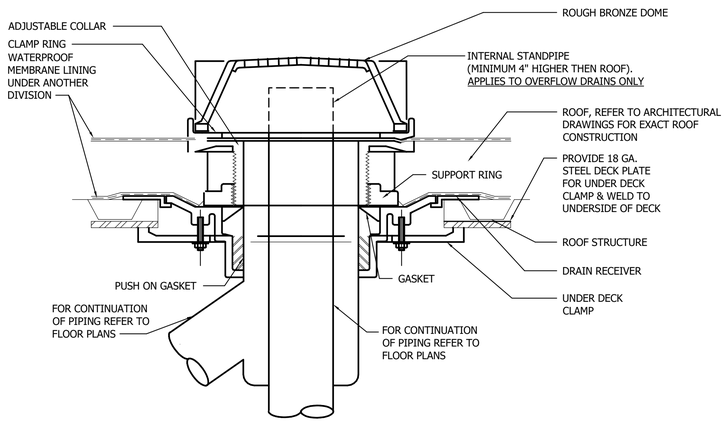


DETAIL - TYPICAL TRAP PRIMING STATION

SCALE: NONE

NOTES:

1. TOTAL NUMBER OF OUTLETS SHALL BE DETERMINED BY THE NUMBER OF FLOOR DRAINS PRIMED WITHIN THE IMMEDIATE AREA.



DETAIL - TYPICAL COMBINATION ROOF AND OVERFLOW DRAIN

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscott83FQD.rvt

SEAL

PROFESSIONAL CERTIFICATION

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ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DATE: 7/14/2025 7:39:22 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: _____

DGN BY: MRS
DRN BY: MRS
CHKD BY: AL

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING DETAILS

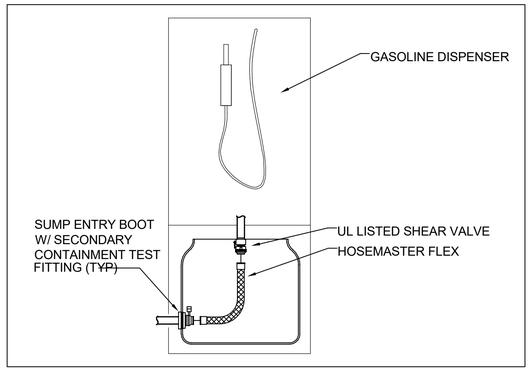
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

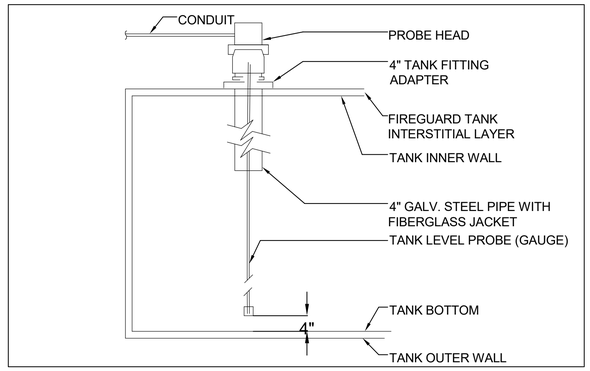
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P704	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 232 OF 302	
DRAWING NUMBER	2024 – 1545
FILE NO.: 8	REV. 0



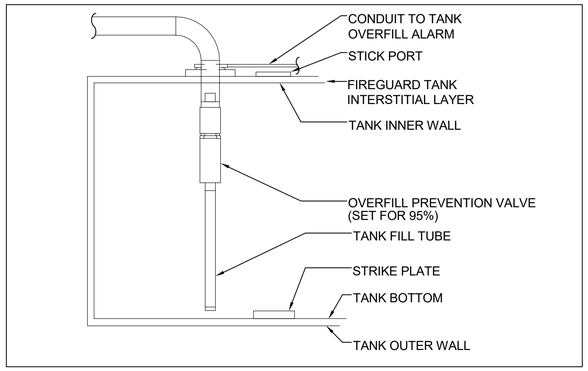
DETAIL - DISPENSER PEDESTAL WITH INTEGRAL SUMP

SCALE: NONE



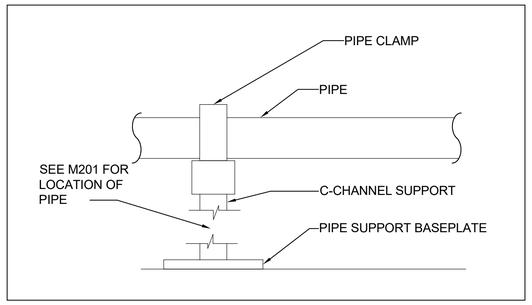
DETAIL - AST-1 AUTOMATIC TANK GAUGE

SCALE: NONE



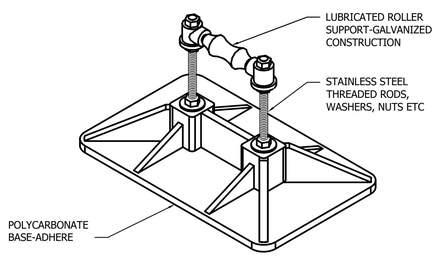
DETAIL - AUTOMATIC FUEL FILL

SCALE: NONE



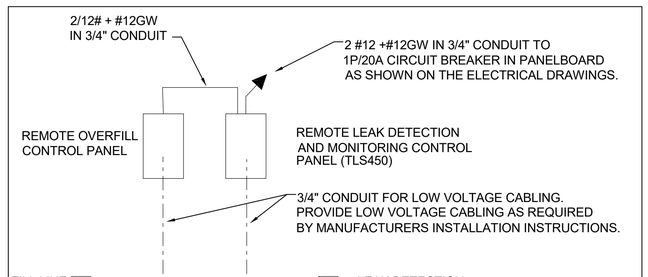
DETAIL - CONCRETE SLAB PIPE SUPPORT BRACKET

SCALE: NONE



DETAIL - PIPE CADDIE SUPPORTS TO SIT ON CONCRETE SLAB FOR FUEL PIPING

SCALE: NONE

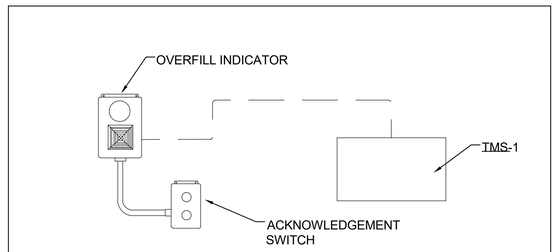


NOTES FOR LEAK DETECTION AND OVERFILL ALARM WIRING DIAGRAM:

1. REFER TO ELECTRICAL PLANS FOR INFORMATION ON CONDUIT ROUTING.
2. CONNECT OVERFILL ALARM PANEL TO THE LEAK DETECTION AND OVERFILL ALARM PANELS TO THE SAME CIRCUIT.
3. PROVIDE A SEPARATE CIRCUIT FOR EACH PANEL.

DETAIL - LEAK DETECTION AND OVERFILL ALARM WIRING DIAGRAM

SCALE: NONE



DETAIL - REMOTE OVERFILL ALARM

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central\R21_mscott84PQP.rvt

SEAL

DATE : 7/14/2025 7:39:22 AM

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AS-BUILT PER RECORD PRINT

BY: _____

DATE: _____

DGN BY: MRS

DRN BY: MRS

CHKD BY: AL

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX

R.O.W. NO. | GSW | 14SW19 | 14SW20

PLAN SCALE: NONE

PROFILE SCALE: _____

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PLUMBING DETAILS - FUELING

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P705	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 233 OF 302	
DRAWING NUMBER	2024 – 1546
FILE NO.: 8	REV. 01.00

PLUMBING FIXTURE CONNECTION SCHEDULE

PLUMBING FIXTURE	SYMBOL (P-#)	MAX FLOW RATE (GPM/GPF)	TYPE / MOUNTING	MIXING VALVE	WATERSENSE	PIPE CONNECTION SIZES (IN)				FIXTURE		FAUCET / FLUSH VALVE		DETAILS	NOTES
						SANITARY	VENT	COLD WATER	HOT WATER	MFGR.	MODEL	MFGR.	MODEL		
WATER CLOSET	P-1	1.0 GPF	FLOOR/ FLUSH VALVE	-	YES	4"	2"	1-1/4"	-	TOTO	CT705UN(G)	TOTO	TET6UA32	FLOOR MOUNTED WATER CLOSET SHALL BE VITREOUS CHINA, TOTO CT 705 UN(G) OR EQUIVALEN FLOOR MOUNTED TOILET (1.0 GAL/FLUSH) WITH SIPHON JET ACTION, ELONGATED BOWL WITH OPEN FRONT SEAT, 1-1/2" (40 MM) TOP SPUD. PROVIDE FLUSH VALVE, TOTOS MODEL #TET6UA32 EXPOSED HARD-WIRED PRODUCT SHALL BE 1.0 GPF. FLUSH SHALVE SHALL BE AN AUTOMATIC INFRARED SENSOR-ACTIVATED, TOILET FLUSH VALVE DESIGNED TO PAIR WITH 24" VACUUM BREAKERS. FLUSH VALVE SHALL HAVE EXPOSED DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1
WATER CLOSET (ADA)	P-1A	1.0 GPF	FLOOR/ FLUSH VALVE	-	YES	4"	2"	1-1/4"	-	TOTO	CT705UN(G)	TOTO	TET6UA32	FLOOR MOUNTED ADA WATER CLOSET SHALL BE ADA COMPLIANT: SHALL BE VITREOUS CHINA, TOTO CT 705 UN(G) OR EQUIVALEN FLOOR MOUNTED TOILET (1.0 GAL/FLUSH) WITH SIPHON JET ACTION, ELONGATED BOWL WITH OPEN FRONT SEAT, 1-1/2" (40 MM) TOP SPUD. TOP OF SEAT SHALL BE 18" (450 MM) ABOVE FINISHED FLOOR. PROVIDE FLUSH VALVE, TOTOS MODEL #TET6UA32 EXPOSED HARD-WIRED PRODUCT SHALL BE 1.0 GPF. FLUSH SHALVE SHALL BE AN AUTOMATIC INFRARED SENSOR-ACTIVATED, TOILET FLUSH VALVE DESIGNED TO PAIR WITH 24" VACUUM BREAKERS. FLUSH VALVE SHALL HAVE EXPOSED DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1,2,6
WATER CLOSET (ADA) - PENAL	P-1B	1.28 GPF	WALL	-	-	4"	2"	1-1/4"	-	ACORN	PENAL-WARE 1695-W-3-1.28-MTPFV-HPS-ADA	ACORN	MASTER-TROL PLUS ELECTRONIC FLUSH VALVE	FIXTURE SHALL BE FABRICATED FROM TYPE 304 STAINLESS STEEL. TOILET SHALL BE CONCEALED BLOWOUT JET TYPE WITH AN ELONGATED BOWL, A SELF-DRAINING FLUSHING RIM, AND AN INTEGRAL CONTOURED SEAT. TOILET SHALL MEET ASME A112.19.3 AND CSA B45.4 REQUIREMENTS AND WILL FLUSH WITH A MINIMUM OF 25 PSI FLOW PRESSURE WHEN USED IN CONJUNCTION WITH A MINIMUM OF 1.28 GPF. TOILET TRAP SHALL HAVE A MINIMUM 3-1/2" SEAL THAT SHALL PASS A 2-1/8" DIAMETER BALL AND BE FULLY ENCLOSED. CABINET INTERIOR IS SOUND-DEADENED WITH FIRE-RESISTANT MATERIAL. FIXTURE SHALL WITHSTAND LOADINGS OF 5,000 POUNDS WITHOUT PERMANENT DAMAGE. FIXTURE SHALL BE FURNISHED WITH NECESSARY FASTENERS FOR PROPER INSTALLATION.	1
LAVATORY (ADA)	P-2/P-2A	0.35 GPM (AERATOR)	SINGLE BOWL UNDERMOUNT COUNTERTOP	ASSE 1070	-	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD	614	MOEN	CA #8301	SINK SHALL BE UNDER COUNTER SINKS: 19-3/4" x 13-3/4" WITH BOWL SIZE OF 18" x 12" x 6-7/16". MADE OF VITREOUS CHINA WITH FRONT OVERFLOW . PROVIDE FITTINGS 4" (100 MM) ON CENTER WITH 5" (130 MM) SPOUT, 4" (100 MM) MOEN FAUCET WITH 0.35 GPM (MAX) AERATOR AND MIXING VALVE, ELECTRONIC SENSOR, TRANSFORMER 104630. PROVIDE GRID DRAIN ASSEMBLY, FLEXIBLE SUPPLIES, TAILPIECE AND CAST BRASS P-TRAP. FAUCET SHALL BE MOEN CA #8301.	1,2,3,4,7,12
LAVATORY (ADA) - PENAL	P-2B	0.5 GPM	WALL	ASSE 1070	YES	1-1/2"	1-1/2"	1/2"	1/2"	ACORN	PENAL-WARE 1652LRB -1-MTP2	-	-	18" WIDE ADA 2010 COMPLIANT LAVATORY WITH RECTANGULAR BOWL. UNIT SHALL CONFORM TO ANSI, UFAS, CBC AND ADA REQUIREMENTS FOR ACCESSIBILITY. FIXTURE SHALL BE FABRICATED FROM 14 GAGE, TYPE 304 STAINLESS STEEL. CONSTRUCTION SHALL BE SEAMLESS WELDED AND EXPOSED SURFACES SHALL HAVE A SATIN FINISH. DECK SHALL HAVE AN AIR-CIRCULATING, SELFDRAINING SOAP DISH. PROVIDE AIR-CONTROL PNEUMATICALLY OPERATED, METERING, NON-HOLD OPEN VALVE WITH ADA COMPLIANT PUSHBUTTON. VALVE AND BUBBLER CONFORM WITH LEAD FREE REQUIREMENTS OF NSF61, SECTION 9 AND CHSC 116875. CABINET INTERIOR SHALL BE SOUND DEADENED WITH FIRE-RESISTANT MATERIAL. FIXTURE SHALL BE FURNISHED WITH NECESSARY FASTENERS FOR PROPER INSTALLATION.	1,2,4
SHOWER (ADA)	P-3	1.5 GPM	WALL	ASSE 1016	YES	3" (2)	2" (2)	1/2"	1/2"	-	-	MOEN	8375EP15	PROVIDE SHOWER WITH PRESSURE BALANCING CYCLING IN-WALL MIXING VALVE. BASIS OF DESIGN SHALL BE MOEN MODEL 8375EP15. 8375EP15 HAS 1/4 TURN STOPS AND 1/2" CC CONNECTIONS WITH A MAX FLOW RATE OF 1.5 GPM. FAUCET SHALL BE HEAD MOUNTED AT 48" ABOVE FINISHED FLOOR. PROVIDE ZURN Z41B FLOOR AND SHOWER DRAIN. PROVIDE ZURN ZS-880 SHOWER TRENCH DRAIN. PROVIDE TRENCH DRAIN LENGTH THAT SPANS SHOWER OPENING AND TO SLOPE FLOOR TOWARDS TRENCH DRAIN.	1,2,8,11
URINAL	P-4	0.125 GPF	WALL/ FLUSH VALVE	-	YES	2"	2"	1-1/4"	-	TOTO	UT105UV	TOTO	TEU1UA12	COMPACT URINALSHALL BE VITREOUS CHINA, TOTO MODEL UT105UV OR EQUIVALENT URINAL WITH LOW WATER CONSUMPTION, SIPHON JET URINAL (0.125 GAL/FLUSH), 3/4"(20 MM) TOP SPUD. PROVIDE FLUSH VALVE, TOTOS MODEL #TEU1UA12 EXPOSED HARD-WIRED PRODUCT SHALL BE 0.125 GPF. FLUSH SHALVE SHALL BE AN AUTOMATIC INFRARED SENSOR-ACTIVATED, TOILET FLUSH VALVE DESIGNED TO PAIR WITH 24" VACUUM BREAKERS. FLUSH VALVE SHALL HAVE EXPOSED DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1
URINAL (ADA)	P-4A	0.125 GPF	WALL/ FLUSH VALVE	-	YES	2"	2"	1-1/4"	-	TOTO	UT105UV	TOTO	TEU1UA12	COMPACT URINAL SHALL BE ADA COMPLIANT: VITREOUS CHINA,COMPACT URINALSHALL BE VITREOUS CHINA, TOTO MODEL# UT105UV OR EQUIVALENT URINAL WITH LOW WATER CONSUMPTION, SIPHON JET URINAL (0.125 GAL/FLUSH), 3/4"(20 MM) TOP SPUD.PROVIDE FLUSH VALVE, TOTOS MODEL #TEU1UA12 EXPOSED HARD-WIRED PRODUCT SHALL BE 0.125 GPF. FLUSH SHALVE SHALL BE AN AUTOMATIC INFRARED SENSOR-ACTIVATED, TOILET FLUSH VALVE DESIGNED TO PAIR WITH 24" VACUUM BREAKERS. FLUSH VALVE SHALL HAVE EXPOSED DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1
KITCHEN SINK	P-5	1.5 GPM	SINGLE BOWL UNDERMOUNT COUNTERTOP	ASSE 1070	-	2"	2"	1/2"	1/2"	ELKAY	ELUHAD191655	KOHLER	SIMPLICE K-597	ELKAY LUSTERTONE CLASSIC STAINLESS STEEL, 21-1/2" X 18-1/2" X 5-3/8" SINGLE BOWL UNDERMOUNT ADA SINK. SINK IS MANUFACTURED FROM 18 GAUGE 304 STAINLESS STEEL WITH A LUSTROUS SATIN FINISH, REAR CENTER DRAIN PLACEMENT, AND BOTTOM ONLY PADS. FAUCET SHALL BE 1.5 GPM MAXIMUM FLOW RATE AT 60 PSI.	1,3,4
KITCHEN SINK	P-5B	1.5 GPM	SINGLE BOWL UNDERMOUNT COUNTERTOP	ASSE 1070	-	2"	2"	1/2"	1/2"	ELKAY	ELUHAD141455	KOHLER	SIMPLICE K-597	ELKAY LUSTERTONE CLASSIC STAINLESS STEEL, 21-1/2" X 18-1/2" X 5-3/8" SINGLE BOWL UNDERMOUNT ADA SINK. SINK IS MANUFACTURED FROM 18 GAUGE 304 STAINLESS STEEL WITH A LUSTROUS SATIN FINISH, REAR CENTER DRAIN PLACEMENT, AND BOTTOM ONLY PADS. FAUCET SHALL BE 1.5 GPM MAXIMUM FLOW RATE AT 60 PSI.	1,3,4
18" LAV/TOILET COMBO- PENAL	P-6	1.28 GPF	WALL	ASSE 1070	-	(1) 4", (1) 1-1/2"	2"	(1) 1", (1) 1/2"	1/2"	ACORN	PENAL-WARE 1418 AL-1-BP-04M-1.28	ACORN	MASTER-TROL PLUS ELECTRONIC FLUSH VALVE	FIXTURE SHALL BE FABRICATED FROM TYPE 304 STAINLESS STEEL. CONSTRUCTION SHALL BE SEAMLESS WELDED AND EXPOSED SURFACES SHALL HAVE A SATIN FINISH. COUNTERTOP SHALL HAVE AN AIR-CIRCULATING, SELF-DRAINING SOAP DISH. PROVIDE AIR-CONTROL PNEUMATICALLY OPERATED PUSHBUTTON VALVE. VALVE AND BUBBLER CONFORM WITH LEAD FREE REQUIREMENTS OF NSF61, SECTION 9 AND CHSC116875. TOILET SHALL BE CONCEALED BLOWOUT JET TYPE WITH AN ELONGATED BOWL, A SELF-DRAINING FLUSHING RIM, AND AN INTEGRAL CONTOURED SEAT. TOILET SHALL MEET ASME A112.19.3 AND CSA B45.4 REQUIREMENTS AND WILL FLUSH WITH A MINIMUM OF 25 PSI FLOW PRESSURE WHEN USED IN CONJUNCTION WITH A MINIMUM OF 1.28 GPF. TOILET TRAP SHALL HAVE A MINIMUM 3-1/2" SEAL THAT SHALL PASS A 2-1/8" DIAMETER BALL AND BE FULLY ENCLOSED. CABINET INTERIOR IS SOUND-DEADENED WITH FIRE-RESISTANT MATERIAL. FIXTURE SHALL WITHSTAND LOADINGS OF 5,000 POUNDS WITHOUT PERMANENT DAMAGE. FIXTURE SHALL BE FURNISHED WITH NECESSARY FASTENERS FOR PROPER INSTALLATION.	1
DRINKING FOUNTAIN	P-7	-	WALL	-	-	2"	2"	1/2"	-	ELKAY	LZSTL8WSLK	-	-	ELKAY EZH20 BOTTLE FILLING STATION & VERSATILE BI-LEVEL ADA COOLER FILTERED REFRIGERATED LIGHT GRAY. CHILLING CAPACITY OF 8.0 GPH (GALLONS PER HOUR) OF 50 DEGREES FARENHEIT DRINKING WATER, BASED ON 80 DEGREE FARENHEIT INLET WATER AND 90 DEGREE FARENHEIT AMBIENT, PER ASHRAE 18 TESTING. FEATURES SHALL INCLUDE ANTIMICROBIAL, FILTERED, GREEN TICKER, HANDS FREE, LAMINAR FLOW, REAL DRAIN, VISUAL FILTER MONITOR. FURNISHED WITH FLEXI-GUARD SAFETY BUBBLER.	1,2,5
MOP SINK	P-8	-	FLOOR	-	-	3"	2"	3/4"	3/4"	SWAN	MS-2424	AMERICAN STANDARD	8344.212	FIXTURE SHALL INCLUDE ONE SINK PLUS ONE CODE-APPROVED 3-INCH IPS CAST BRASS DRAIN AND A 3-INCH RUBBER DRAIN ADAPTER (MS-2411). FAUCET SHALL BE CAST BRASS BODY. METAL LEVER HANDLES WITH HOT AND COLD INDICATORS. 1/4 TURN CERAMIC DISC VALVE CARTRIDGES. VACUUM BREAKER PREVENTS BACK FLOW. INTEGRAL SUPPLY STOPS. SPOUT, TOP BRACED TO WALL, WITH BUCKET HOOK AND THREADED HOSE END. 1/2" FEMALE INLETS ADJUSTABLE FROM 7-7/8" TO 8-1/8".	1,3
WALL HYDRANT	P-9	-	WALL	-	-	-	-	3/4"	-	ZURN	Z1341-CXL	ZURN	Z1341XL	PROVIDE ZURN Z1320-CXL ENCASED, ECOLOTROLTM, LEAD-FREE, NON-FREEZE AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. HYDRANT FEATURES INTEGRAL BACKFLOW PREVENTER WITH ANTI-SIPHON TECHNOLOGY, COPPER CASING, BRONZE AND STAINLESS STEEL INTERIOR COMPONENTS, NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE, COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET CONNECTION, AND 3/4" MALE HOSE CONNECTION. HYDRANT FURNISHED WITH CHROME-PLATED ROUGH CAST BRONZE HOUSING WITH LOCKING HINGED COVER STAMPED "WATER" AND INCLUDES OPERATING KEY.	1
ICE MAKER WALL BOX	P-10	-	WALL	-	-	-	-	1/2"	-	OATEY	39122	-	-	NAILS PRELOADED - NO SUPPORT BRACKET NEEDED, RIGHT OR LEFT HAND INSTALLATION, BOX MADE OF HIGH IMPACT POLYSTYRENE VALVES COMPLY WITH REQUIREMENTS OF NSF 61, SECTION 9, AVAILABLE WITH COPPER, CPVC AND PEX CONNECTIONS, SNAP-ON FACEPLATE FRAME	1
ROOF HYDRANT	P-11	-	THROUGH ROOF	-	-	-	-	1/2"	-	WOODFORD	SRH-MS	-	-	NON-FREEZE ROOF HYDRANT WITH CHECK VALVE, GALVANIZED CASING AND ADJUSTABLE FLOW WHEEL LOCK HANDLE WITH DECK FLANGE AND UNDER DECK CLAMP. DRAIN-FREE.	1
EMERGENCY EYE WASH	P-12	-	WALL	ANSI Z358.1	-	1-1/2"	1-1/2"	1/2"	1/2"	GUARDIAN	G1814BC	-	-	WALL MOUNTED EYE WASH FEATURES 12" STAINLESS STEEL BOWL WITH POWDER COATED CAST ALUMINUM WALL BRACKET. SPRAY HEAD ASSEMBLY HAS TWO GENTLE SPRAY OUTLET HEADS WITH "FLIP-TOP" DUST COVERS MOUNTED ON CHROME PLATED BRASS SUPPLY ARMS. EYE WASH IS ACTIVATED BY A 1/2" IPS CHROME PLATED BRASS STAY-OPEN BALL VALVE WITH CAST ALUMINUM FLAG HANDLE. ACTIVATING EYE WASH VALVE ALSO OPENS STAINLESS STEEL BOWL COVER, WHICH COVERS THE ENTIRE BOWL WHILE NOT IN USE. STAINLESS STEEL BOWL ACTS LIKE A SINK TO DRAIN WATER AWAY. UNIT MEETS ANSI Z358.1 STANDARD AS PRIMARY EYE WASH. FULLY FACTORY ASSEMBLED AND WATER TESTED. COMPLETE WITH ANSI COMPLIANT IDENTIFICATION SIGN.	1,10
FLOOR	P-13	-	FLOOR	-	-	4"	2"	-	-	ZURN	ZN-415-BZ6-TC-P	-	-	FLOOR AND SHOWER DRAIN, DURA-COUATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TYPE "N" D.C.C.I. LIGHT-DUTY STRAINER WITH DEEP FLANGED GRATE.	1,9
PENAL FLOOR DRAIN	P-14	-	FLOOR	-	-	3"	2"	-	-	ZURN	Z355-T5	-	-	PRISON CELL FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH SIDE OUTLET, INTEGRAL TRAP, ANCHOR FLANGE AND ADJUSTABLE NICKEL BRONZE SLOTTED STRAINER SECURED WITH SPANNER TYPE VANDAL-PROOF SCREWS.	1,9

NOTES:

1: PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE FIXTURE ROUGH-IN, I.E., SUPPLIES, STOPS, TRAPS, CARRIERS, GRID DRAINS, TAILPIECES, ETC. NOT ALL REQ'D COMPONENTS ARE SPECIFIED ABOVE.
2: FIXTURES SHALL BE ADA COMPLIANT. PROVIDED WITH ADA COMPLIANT ACCESSORIES. SEE ARCHITECTURAL PLAN FOR ELEVATIONS.
3: PROVIDE TRUE-BRO LAV GUARD INSULATING DEVICES ON EXPOSED UNDERCOUNTER PLUMBING.
4: PROVIDE SINK WITH ASSE 1070 THERMOSTATIC MIXING VALVE.
5: DRINKING FOUNTAIN SHALL BE SUPPLIED WITH A MOUNTING FRAME, CHILLER AND FILTER.
6: COORDINATE VALVE INSTALLATION WITH ADA GRAB BAR. VALVE SHALL BE LOCATED SO THAT GRAB BAR DOES NOT INTERFERE WITH USE OF VALVE. PROVIDE EXTENSION AS REQUIRED.
7: PROVIDE SKAL + GUARD INSULATING DEVICES ON EXPOSED UNDERCOUNTER PLUMBING, TRUEBRO OR EQUAL MANUFACTURER.
8: REFER TO ARCHITECTURAL DRAWINGS FOR MANUFACTURER, MODEL NUMBER, AND SPECIFICATIONS.
9: DRAIN TO BE SERVED BY TRAP PRIMER.
10: PROVIDE THERMOSTATIC MIXING VALVE OPTION G6020 AND TAILPIECE OPTION TP.
11: SHOWER TO BE PROVIDED WITH AN ASSE 1016 MIXING VALVE.
12: LAVATORY IS HARD WIRED WITH BATTERY BACKUP.

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ENGINEER: _____ DGN BY: MRS
DWN BY: MRS
CHKD BY: AL
AS-BUILT PER RECORD PRINT
BY: DATE:
DATE : 7/14/2025 7:39:23 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 1" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
PLUMBING SCHEDULES
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P801	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 234 OF 302	
DRAWING NUMBER	2024 - 1547
FILE NO.: 8	REV. 0

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottBRNQP.rvt

ABOVE GROUND FUEL STORAGE TANK SCHEDULE

TANK DESIGNATION	SERVICE	NOMINAL CAP. (GALLONS)	TANK					BASIS OF DESIGN		NOTES
			OVERALL LENGTH (FT-IN)	OVERAL WIDTH (FT-IN)	OVERALL HEIGHT (FT-IN)	NOMINAL WT. (LBS.)	MATERIAL F.G. / STL.	MFGR.	MODEL	
AST-1	GASOLINE	10000	23'-5"	11'-4"	6'-0"	~30,000	STL.	HIGHLAND TANK	FIREGUARD	1,2,3

NOTES:
1: REFER TO SPECIFCATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH TANK.
2: TANK SHALL BE UL 2085 CERTIFIED.
3: TANK SHALL HAVE AUTOMATIC LEVEL GUAGE, INTERSTITIAL, PRESSURE VACUUM, EMERGENCY AND PRIMARY VENTS, ACCESS STAIR AND PLATFORM, OVERFILL PROTECTION, REMOTE FILL ASSEMBLY WITH CATCH BASIN, AND TWO TANK MOUNTED SUBMERSIBLE PUMP FITTINGS.

TANK MATERIAL
STL. = STEEL

ADDITIONAL FUELING EQUIPMENT

SERVICE	UNIT DESIGNIATION	ELECTRICAL CHARACTERISTICS		BASIS OF DESIGN		NOTES
		AMP	V/ø/Hz	MFGR.	MODEL	
GASOLINE DISPENSER	DISP-1	-	-	GASBOY	9153KXF-CL	NOZZLE EQUIPPED WITH HOLD OPEN, DIGITAL VOLUME DISPLAY, METER, FILTER, VALVE AND ALL ACCESSORIES FOR AST APPLICATION. PROVIDE 14" HIGH SHEET METAL MOUNTING PEDESTAL AND INTEGRATED CONTAINMENT PUMP EQUAL TO BRAVO A6000.
GASOLINE DISPENSER	DISP-2	-	-	GASBOY	9153KXF-CL	NOZZLE EQUIPPED WITH HOLD OPEN, DIGITAL VOLUME DISPLAY, METER, FILTER, VALVE AND ALL ACCESSORIES FOR AST APPLICATION. PROVIDE 14" HIGH SHEET METAL MOUNTING PEDESTAL AND INTEGRATED CONTAINMENT PUMP EQUAL TO BRAVO A6000.
TANK MONITORING SYSTEM	TMS-1	2	120/1/60	VEEDER-ROOT	TLS-450	-
FUEL MANAGEMENT SYSTEM	FMS-1	-	120/1/60	FUELMASTER	2550	PROVIDE WITH TANK MONITOR INTERFACE KIT TO ALLOW FOR COMMUNICATION WITH VEEDER-ROOT SYSTEM.

PUMP SCHEDULE

PUMP DESIGNATION	SERVICE	GPM	FT. OF HEAD	PUMP TYPE	PUMP MOTOR		ELECTRICAL CHARACTERISTICS		BASIS OF DESIGN		NOTES
					HP	RPM	AMP	V/Ø/HZ	MFGR.	MODEL	
RP-1	HOT WATER RECIRC	14	13	CC	0.167	-	0.1-3.0	115/1/60	BELL AND GOSSET	ECOCIRC XL 36-45	1,10
SP-1	GASOLINE	110	46	SP	0.75	3450	7	208/1/60	FRANKLIN FUELING	STP75-VL2	1-7
SP-2	GASOLINE	110	46	SP	1	3450	7	208/1/60	FRANKLIN FUELING	STP75-VL2	1-7
SP-3	ELEVATOR SUMP	50	22	SP	0.5	3450	5.2	115/1/60	STANCOR	SE50	1,8,9

NOTES:
1: REFER TO SPECIFCATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH PUMP.
2: PROVIDE PREMIUM EFFICIENCY MOTOR.
3: PUMPS SHALL HAVE FIXED SPEED AND VARIABLE LENGTH.
4: INCLUDE INTEGRATED 2-3/4"ø CHECK VALVE.
5: SET PRESSURE RELIEF VALVE TO 40 PSI, RESETS ABOVE 35 PSI.
6: PUMP SHALL INCLUDE LEAK DETECTOR.
7: INCLUDE STARTING AND RUNNING CAPACITOR, AND 370V INTERNAL BLEED RESISTOR.
8: PUMP SHALL BE DUPLEX.
9: PROVIDE W/ OIL MINDER CONTROL PANEL.
10: PUMP PROVIDED FACTORY-INSTALLED AS A COMPONENT OF ELECTRONIC MIXING STATION, EMS-1.

PUMP TYPES
IL = IN-LINE
CC = CARTRIDGE CIRCULATION
SP = SUBMERSIBLE PUMP

DOMESTIC HEAT PUMP ELECTRIC WATER HEATER SCHEDULE

UNIT DESIGNATION	LOCATION	TANK			HEATER										EXPANSION TANK				WATER HEATER BASIS OF DESIGN		NOTES
					WATER SIDE					HEAT PUMP AIR SIDE		ELECTRICAL CHARACTERISITICS			TANK VOLUME (GALLONS)		MFGR.	MODEL	MFGR.	MODEL	
		STORAGE (GALLONS)	DIAMETER x HEIGHT (IN x IN)	MAX. PRESS. (PSI)	EWT (°F)	LWT (°F)	RECOVERY RATE (GPH) @ 100 (°F)	PIPE CONNECTIONS CW INLET (IN)	PIPE CONNECTIONS HW OUTLET (IN)	AIR FLOW (HIGH FAN)	AIRFLOW (LOW FAN)	KW	UEF	V/Ø/HZ	TOTAL CAPACITY	ACCEPTANCE					
WH-1.01, WH-1.02	WATER ROOM	80	30"x84"	150	40	140	88	3/4"	3/4"	450	250	27	2.3	480/3/60	4.4	3.2	AMTROL	ST-12	HUBBELL	PBX-80SL-27T4	1,2,3,4

NOTES:
1: REFER TO SPECIFICATIONS FOR ACCESSORIES AND ADDITIONAL INFORMATION ASSOCIATED WITH WATER HEATER.
2: WATER HEATER SHALL MEET ASME STANDARDS.
3: MOUNT ON 4" HIGH CONCRETE HOUSEKEEPING PAD.
4: WATER HEATER EXHAUST DISCHARGE SHALL HAVE A MINIMUM OF 12" CLEARANCE.

WATER SUBMETER SCHEDULE

UNIT DESIGNATION	LOCATION	FIXTURE(S) METERED	METER SIZE (IN)	TYPICAL OPERATING RANGE (MIN...MAX, GPM)	MAXIMUM CONTINUOUS OPERATION (GPM)	PRESSURE LOSS @ MAXIMUM CONTINOUS OPERATION (PSI)	TEMPERATURE RANGE (MIN...MAX, °F)	METER BASIS OF DESIGN		NOTES
								MFGR.	MODEL	
MTR-1	REST. [126]	P-7 (QTY: 2)	5/8	0.5...25	15	2.8	32...120	BADGER METER	MODEL 25 BRONZE	1 THRU 6
MTR-2	BREAK RM. [209]	DISHWASHER	5/8	0.5...25	15	2.8	32...120	BADGER METER	MODEL 25 BRONZE	1 THRU 6
MTR-3	CORD. [005]	P-8 (QTY: 2, HW ONLY)	5/8	0.5...25	15	2.8	32...120	BADGER METER	MODEL 25 BRONZE	1 THRU 6
MTR-4	CORD. [005]	P-8 (QTY: 2, HW ONLY)	5/8	0.5...25	15	2.8	32...120	BADGER METER	MODEL 25 BRONZE	1 THRU 6
MTR-5	MECH [118]	BLDG. HW SERVICE	1	0.1...55	40	3.4	32...120	BADGER METER	MODEL 55 BRONZE	1 THRU 6
MTR-6	WELLNESS [111]	P-7 (QTY: 1)	5/8	0.5...25	15	2.8	32...120	BADGER METER	MODEL 25 BRONZE	1 THRU 6

NOTES:
1: REFER TO SPECIFICATIONS FOR ACCESSORIES AND ADDITIONAL INFORMATION ASSOCIATED WITH WATER METER.
2: PROVIDE VALVED BYPASS AT METER.
3: PROVIDE BAS POINT FOR METER READOUT.
4: METER SHALL BE SUITABLE FOR USE IN POTABLE WATER SYSTEMS (NSF STANDARD 61 AND 372 CERTIFIED).
5: METER SHALL BE INSTALLED HORIZONTALLY WITH AT LEAST MANUFACTURER REQUIRED MINIMUM STRAIGHT PIPE DISTANCE.
6: HOUSING TO BE LEAD-FREE BRONZE ALLOY, AND CHAMBER/DISC ENGINEERED POLYMER.

OIL SEPARATOR SCHEDULE

TANK DESIGNATION	MAX FLOW RATE (GPM)	MAX LIQUID CAPACITY (GALLONS)	TANK				BASIS OF DESIGN		NOTES
			OVERALL LENGTH (FT-IN)	OVERALL WIDTH (FT-IN)	OVERALL HEIGHT (FT-IN)	NOMINAL WT. (LBS.)	MFGR.	MODEL	
OS-1	100	250	6'-8"	2'-9"	4'-3"	345	STRIEM	OS-100	1,2

NOTES:
1: REFER TO SPECIFCATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH TANK.
2: PROVIDE CAST IRON TANK COVERS.

BACKFLOW PREVENTER SCHEDULE

DESIGNATION	SERVICE	SIZE (IN.)	TYPE	ASSE DESIGNATION	FLOW RATE (GPM)	PRESSURE LOSS (PSI)	BASIS OF DESIGN		NOTES
							MFGR.	MODEL	
BFP-1	DOMESTIC WATER	3	REDUCED PRESSURE ZONE	1013	59	10	WATTS	4000SS	1,2,3,4,5,6

NOTES:
1: REFER TO SPECIFCATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH BACKFLOW PREVENTER.
2: BACKFLOW PREVENTER SHALL INCLUDE TWO (2) OS&Y VALVES AND TWO (2) CHECK VALVES.
3: BACKFLOW PREVENTER SHALL BE LEAD FREE.
4: PROVIDE Y-TYPE STRAINER ON INLET TO BACKFLOW PREVENTER.
5: PROVIDE SUPPORTS FOR BACKFLOW PREVENTER PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
6: PROVIDE AIR GAP FITTING AND PIPE TO NEAREST FLOOR DRAIN.

SEAL

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____.
ENGINEER: _____ DGN BY: MRS
AS-BUILT PER RECORD PRINT DRN BY: MRS
BY: _____ DATE: _____ CHKD BY: AL

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W. NO. | GSW | 14SW19 / 14SW20

DRAWING SCALE
PLAN SCALE: 12" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DATE : 7/14/2025 7:39:24 AM

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
PLUMBING SCHEDULES
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
P802	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 235 OF 302	
DRAWING NUMBER	2024 - 1548
FILE NO.: 8	REV. 07/24

DWG. FILENAME: C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R21_mscottR6WQP.rvt

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
#	DRAWING NOTE
#	HVAC EQUIPMENT CONNECTION SCHEDULE REFERENCE
#	ELECTRICAL FEEDER SCHEDULE REFERENCE
	EXISTING OR FUTURE EQUIPMENT, AS NOTED THIN/SOLID
	EXISTING EQUIPMENT TO BE REMOVED, HEAVY/DASHED
	NEW EQUIPMENT, AS NOTED HEAVY/SOLID
A a 1	LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, LOWER CASE INDICATES SWITCHING, NUMBER (WHERE SHOWN) INDICATES CIRCUIT
	SURFACE OR RECESSED MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE; WALL WASH TYPE
	WALL MOUNTED LIGHT FIXTURE
	STRIP OR INDUSTRIAL FIXTURE, CEILING MOUNTED; WALL MOUNTED
	POLE MOUNTED LIGHT FIXTURE
,	EMERGENCY OR NITE-LITE FIXTURE, AS NOTED
,	DIRECT/ INDIRECT LIGHT FIXTURE
	JUNCTION BOX
,	EXIT SIGN, CEILING OR WALL MOUNTED - DARKENED PORTION INDICATES THE FACE OF EXIT SIGN AND THE ARROW INDICATES DIRECTIONAL FACE
S_a, S^3, S^4	20 AMP SWITCH - LINE VOLTAGE, SINGLE POLE; 3-WAY; 4-WAY. SUBSCRIPT IDENTIFIES FIXTURE CONTROLLED
S^K	KEYED SWITCH - LINE VOLTAGE; M.H. 48" AFF
S^{LD}	DIGITAL SWITCH, DIMMING, FOR USE WITH DIGITAL OCCUPANCY SENSORS. M.H. 48" AFF
$S^{LD}_{a,b,c,d}$	DIGITAL 5 BUTTON DIMMER SWITCH; M.H. 48" AFF, SUBSCRIPTS IDENTIFY LIGHT FIXTURES CONTROLLED
U,IR,DT,CU a , U,IR,DT,CU	DIGITAL OCCUPANCY SENSOR, CEILING MOUNTED; WALL MOUNTED (U = ULTRASONIC, IR = INFRARED, DT = DUAL TECHNOLOGY, CU = CORRIDOR LONG RANGE ULTRASONIC); SUBSCRIPT INDICATES FIXTURE CONTROLLED
WDTD	DIGITAL WALL SWITCH OCCUPANCY SENSOR, DUAL TECHNOLOGY, 0-10V DIMMING, M.H. 48" AFF
WU,WDT,WIR	WALL SWITCH LINE VOLTAGE OCCUPANCY SENSOR; M.H. 48" AFF (WU = ULTRASONIC, WDT = DUAL TECHNOLOGY, WIR = INFRARED)
WIRD	WALL SWITCH LINE VOLTAGE OCCUPANCY SENSOR, INFRARED, 0-10V DIMMING, M.H. 48" AFF
	PHOTOSENSOR FOR DAYLIGHT HARVESTING (DIMMING); FOR USE WITH DIGITAL LIGHTING CONTROLS
,	NEMA 5-20R RECEPTACLE; M.H. 18"; M.H. COUNTERTOP OUTLET 6" ABOVE COUNTER HEIGHT TO BOTTOM OF OUTLET
	DOUBLE DUPLEX NEMA 5-20R RECEPTACLE. M.H. 18"
GFI	GFI TYPE RECEPTACLE; GFI ONLY WHERE NOTED MAY BE PROTECTED BY UPSTREAM GFI PROTECTION. MH 18" AFF
USB	DUPLEX NEMA 5-20R WITH 2 USB PORTS. MH 18" AFF
OS OS OS OS	PLUG-LOAD CONTROLLED NEMA 5-20R DUPLEX RECEPTACLE; HALF SWITCHED; ABOVE COUNTER HALF SWITCHED; DOUBLE DUPLEX WITH ONE DUPLEX SWITCHED; DUPLEX, WHOLLY SWITCHED; ALL PLUG LOAD SWITCHING CONTROLLED BY OCCUPANCY SENSOR & WALL SWITCH LOCATED IN SAME ROOM AS DEVICE
AV	NEMA 5-20R RECEPTACLE FOR DIGITAL DISPLAY. MOUNTING HEIGHT SHALL BE COORDINATED WITH TA SERIES DRAWINGS.
TR	DUPLEX NEMA 5-20R TAMPER RESISTANT RECEPTACLE. MH 18" AFF
L6-20R	CEILING MOUNTED RECEPTACLE; NEMA TYPE AS NOTED
#D #V	CEILING MOUNTED LOW VOLTAGE OUTLETS AS SHOWN; D = DATA, V = VOICE, # INDICATES QUANTITY OF EACH PORT
6-30R	SPECIAL RECEPTACLE; NEMA TYPE AS NOTED. M.H. 18" UNLESS NOTED
,	FLUSH FLOOR OUTLET WITH NEMA 5-20R DUPLEX/QUAD RECEPTACLE OR AS NOTED
,	FLUSH COMBINATION FLOOR OUTLET; POWER & LOW VOLTAGE OUTLETS AS SHOWN
	PUSHBUTTON, FUNCTION AS NOTED; M.H. 48" AFF U.N.O.
	PLYWOOD EQUIPMENT BACKBOARD. DIMENSIONS AS NOTED, FIRE RETARDANT
M	CONTACTOR, TYPE AS NOTED
TC	TIME CLOCK
M	METER SOCKET, AS NOTED
	DISTRIBUTION PANELBOARD
,	BRANCH CIRCUIT PANELBOARD; SURFACE MOUNTED, FLUSH MOUNTED
, CB	ENCLOSED CIRCUIT BREAKER
SPD	SURGE PROTECTIVE DEVICE; TYPE PER SPEC
,	DISCONNECT SWITCH - 3P-30A UNLESS OTHERWISE NOTED; FUSED, NON-FUSED
,	MAGNETIC MOTOR STARTER; COMBINATION STARTER/DISCONNECT

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	TRANSFORMER (INTERIOR)
	TRANSFORMER ON CONCRETE PAD (EXTERIOR)
ATS , G	TRANSFER SWITCH, AUTOMATIC AS INDICATED; PLAN; RISER
G	EMERGENCY GENERATOR
EGS	GENERATOR EMERGENCY STOP BUTTON
	MOTOR - HP AS NOTED
	GROUND CONNECTION
	DUCTBANK - CONCRETE ENCASED RACEWAYS
HH	HANDHOLE, SIZE AS NOTED
	CONDUIT OR CONDUIT AND WIRE ROUTED IN GRADE OR BELOW SLAB
DB	DIRECT BURIED UNDERGROUND CABLE OR CONDUIT AS NOTED
	CONDUIT AND WIRE OR CABLE ROUTED WITHIN WALLS OR CEILING SPACE OR ROUTED EXPOSED ON WALLS OR CEILINGS. CROSSLINES INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN TWO (NOT INCLUDING GROUND)
	HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES THE NUMBER OF CIRCUITS
	SURFACE METAL RACEWAY, TYPE AS NOTED. SQUARES INDICATE DUPLEX OUTLETS (OR SIMPLEX OUTLETS FOR PLUGMOLD)
,	CONDUIT ENTRANCE FROM ABOVE, FROM BELOW

ELECTRICAL ABBREVIATIONS

A	AMPERE	HWH	HOT WATER HEATER
AFF	ABOVE FINISHED FLOOR	IDC	INITIATING DEVICE CIRCUIT
AF	AMPERE FRAME	IMC	INTERMEDIATE METAL CONDUIT
AFG	ABOVE FINISHED GRADE	KV	KILOVOLTS
AIC	AMPS INTERRUPTING CURRENT	KVA	KILOVOLT-AMPERE
AT	AMPERE TRIP	KW	KILOWATT
ATS	AUTOMATIC TRANSFER SWITCH	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MFG	MANUFACTURER
BLDG	BUILDING	MIN	MINIMUM
C	CONDUIT	MOD	MOTOR OPERATED DAMPER
CAT	CATEGORY	MTD	MOUNTED
CB	CIRCUIT BREAKER	NAC	NOTIFICATION APPLIANCE CIRCUIT
CKT	CIRCUIT	No.	NUMBER
CLG	CEILING	N.C.	NORMALLY CLOSED
CONC	CONCRETE	N.O.	NORMALLY OPEN
CR	CONTROL RELAY	NFSS	NON-FUSED SAFETY SWITCH
DWG	DRAWING	P	POLE
EF	EXHAUST FAN	PF	POWER FACTOR
EMERG	EMERGENCY	PNL	PANEL
EMR	ELEVATOR MACHINE ROOM	PR	PAIR
EMT	ELECTRICAL METALLIC TUBING	PVC	POLYVINYL CHLORIDE (SCHEDULE 40)
ENCL	ENCLOSURE	PRI	PRIMARY
EWC	ELECTRIC WATER COOLER	Ø	PHASE
EX	EXISTING	QTY	QUANTITY
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RGS	RIGID GALVANIZED STEEL
FACP	FIRE ALARM CONTROL PANEL	RM	ROOM
FLEX	FLEXIBLE	SW	SWITCH
FSS	FUSED SAFETY SWITCH	TEMP	TEMPERATURE
GA	GAUGE	TYP	TYPICAL
GEN	GENERATOR	UH	UNIT HEATER
GFI	GROUND FAULT INTERRUPTING	UTP	UNSHIELDED TWISTED PAIR
GFP	GROUND FAULT PROTECTION	V	VOLTS
GND	GROUND	VAC	VOLTS - ALTERNATING CURRENT
HOA	HAND-OFF-AUTOMATIC (SWITCH)	W	WIRE
HP	HORSEPOWER	WP	WEATHERPROOF
HTR	HEATER	XFMR	TRANSFORMER

GENERAL PROJECT DEMOLITION NOTES

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM EXISTING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL CONDITIONS AND EFFECT ON HIS WORK PRIOR TO FABRICATION, ROUGHIN, MATERIAL ORDERS OR PERFORMANCE OF THE WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. REMOVE ALL EQUIPMENT INDICATED, INCLUSIVE OF ASSOCIATED CONDUIT, WIRING, BOXES, SUPPORTS, ETC. BACK TO SOURCE OR LAST REMAINING DEVICE ON SAME CIRCUIT, UNLESS NOTED OTHERWISE.
3. EXISTING CIRCUITS INTERRUPTED BY DEMOLITION OR RELOCATION WORK, BUT SERVING ITEMS INDICATED TO REMAIN, SHALL BE MADE CONTINUOUS.
4. DEMOLITION SHALL INCLUDE REMOVAL OF ELECTRICAL EQUIPMENT AND ASSOCIATED COMPONENTS AND MATERIALS. DO NOT ABANDON IN PLACE ANY ITEMS UNLESS NOTED ON THE DRAWINGS. EQUIPMENT REMOVED SHALL BE OFFERED TO THE OWNER PRIOR TO DISPOSAL, AND IF DESIRED, SHALL BE STORED ON SITE, WHERE INSTRUCTED. ALL MATERIALS NOT TO BE RETAINED BY OWNER SHALL BE REMOVED FOR OFF-SITE, LEGAL DISPOSAL
5. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY/DASHED (- - - - -) SHALL BE REMOVED AND/OR RELOCATED. ELECTRICAL ITEMS SHOWN LIGHT/SOLID (_____) ARE EXISTING TO REMAIN. ELECTRICAL ITEMS SHOWN HEAVY/SOLID (_____) REPRESENTS NEW WORK.
6. THE EXISTING FACILITY SHALL REMAIN IN OPERATION DURING CONSTRUCTION. ALL INTERRUPTIONS TO UTILITIES OR SERVICES MUST BE COORDINATED WITH THE OWNER OR USING AGENCY TO MINIMIZE DISRUPTIONS. PROVIDE NOTICE TO THE FACILITY AND OWNER 15 DAYS IN ADVANCE OF PLANNED OUTAGES.
7. REFER TO PROJECT PHASING DRAWINGS AND/OR REQUIREMENTS FOR COORDINATION OFALL DEMOLITION WORK WITH OVERALL PROJECT PHASING.
8. WHENEVER THE BUILDING IS OCCUPIED DURING THE WORK, EXISTING FIRE ALARM AND LIFE SAFETY SYSTEMS SHALL BE KEPT IN OPERATION.
9. NOTIFY OWNER OF ANY DAMAGED OR NON-WORKING ITEMS PRIOR TO REMOVAL. ANY EQUIPMENT DAMAGED DURING REMOVAL AND/OR RELOCATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH EQUIPMENT EQUAL TO EXISTING.
10. WHERE SITE DEMOLITION WORK REQUIRES REMOVAL OF LIGHT POLES, PAD MOUNTED EQUIPMENT, ETC., REMOVE ASSOCIATED POLE BASES, CONCRETE PADS, ETC. DOWN TO 36 INCHES BELOW FINAL FINISHED GRADE.
11. ANY OPENINGS LEFT IN CEILINGS/WALLS SHALL BE PATCHED AND FINISHED TO MATCH EXISTING ADJACENT SURFACES. WHERE DEVICES ARE REMOVED FROM CEILING TILES, PROVIDE REPLACEMENT TILE(S) TO MATCH EXISTING.
12. DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL CONNECTIONS FOR EXISTING HVAC AND PLUMBING EQUIPMENT BEING REMOVED, INCLUDING: CONDUIT, WIRING, OUTLETS, DISCONNECTING MEANS, STARTERS, SWITCHES, ETC. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL PROJECT NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND GENERALLY REPRESENTATIVE OF THE WORK REQUIRED. VERIFY ALL WORK ON SITE AND REPORT ANY CONFLICTS TO THE ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH WORK OR CHANGES.
2. REFER TO ARCHITECTURAL OR PHASING DRAWINGS FOR OVERALL PROJECT PHASING. PLAN AND COORDINATE THE WORK, AS REQUIRED.
3. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL NEW PANELBOARDS AND ANY EXISTING PANELS IN WHICH CIRCUITS WERE MODIFIED.
4. ALL PANELBOARD AND SWITCHBOARD SCHEDULES ARE BASED ON COPPER CONDUCTORS. ALUMINUM CONDUCTORS ARE NOT PERMITTED.
5. ALL CONDUIT, BOXES, CABLE TRAY, ETC. SHALL GENERALLY BE INSTALLED A MINIMUM OF 12" ABOVE CEILINGS. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLATION.
6. ALL CEILING MOUNTED DEVICES, INCLUDING FIRE STROBES, SMOKE DETECTORS, SPEAKERS, OCCUPANCY SENSORS, ETC. SHALL BE CENTERED IN 2X2 CEILING TILES, OR IN HALF OF 2X4 TILES, AS APPLICABLE.
7. WHERE AREAS HAVE NO FINISHED CEILINGS, INSTALL FIRE STROBES, EXIT LIGHTS, OCCUPANCY SENSORS, ETC. AT A HEIGHT EQUAL TO THE BOTTOM OF TH E GENERAL LIGHTING FIXTURES, OR DUCTWORK, AS APPLICABLE SO THAT SUCH DEVICES ARE VISIBLE TO OCCUPANTS AND NOT BLOCKED BY OTHER EQUIPMENT.
8. ALL PROJECT CONDUIT AND CABLING SHALL BE INSTALLED ABOVE FINISHED CEILINGS, WHERE POSSIBLE TO MINIMIZE VISIBILITY OF SUCH ITEMS IN AREAS WITH EXPOSED STRUCTURE. ALL CABLING INSTALLED IN EXPOSED STRUCTURE AREAS, SHALL BE IN EMT CONDUIT INSTALLED TIGHT TO DECK ABOVE, EXCEPT FOR SHORT FINAL CONNECTIONS TO FIRE ALARM DEVICES, LIGHT FIXTURES, ETC. MC CABLE SHALL BE PERMITTED WHERE INSTALLED ABOVE FINISHED CEILINGS OR CONCEALED IN PARTITION WALLS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES, FINISHES, ETC. COORDINATE ALL LIGHT FIXTURE MOUNTING, FRAME KITS, ETC. AS REQUIRED.
10. MAKE MINOR ADJUSTMENTS TO LIGHT FIXTURE LOCATIONS AND/OR ELEVATIONS IN UTILITY ROOMS, TO COORDINATE WITH FINAL INSTALLED PIPING, CONDUITS, AND LARGE EQUIPMENT. DO NOT INSTALL LIGHTS ABOVE PIPING OR EQUIPMENT.
11. ALL LOW VOLTAGE CABLING INSTALLED ABOVE CEILINGS AND NOT IN RACEWAYS SHALL BE PLENUM RATED.
12. ALL BRANCH CIRCUITS SHALL UTILIZE INDIVIDUAL NEUTRAL CONDUCTORS. SHARED NEUTRALS AND MULTI-WIRE CIRCUITS ARE NOT PERMITTED.
13. ALL BRANCH CIRCUITS AND FEEDERS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR. CONDUIT IS NOT PERMITTED AS THE SOLE GROUND PATH.
14. ALL EMERGENCY AND EGRESS LIGHTING FIXTURES SHALL BE CONNECTED TO LIFE SAFETY EMERGENCY SYSTEM BRANCH CIRCUITS AHEAD OF ALL SWITCHING, UNLESS INDICATED OTHERWISE.
15. WHERE EMERGENCY LIGHTING IS SWITCHED, UL-924 LISTED COMPONENTS IN CONJUCTION WITH THE LIGHTING CONTROLS SHALL BE PROVIDED TO BRING LIGHTING TO FULL BRIGHTNESS UNDER EMERGENCY/LOSS OF POWER CONDITION.
16. LIGHTING CONTROLS SHOWN ON PLAN ARE LIMITED TO PLACEMENT AND QUANTITY OF SWITCHING AND OCCUPANCY SENSORS. ADDITIONAL COMPONENTS CONTAINING BUT NOT LIMITED TO CONTROLLERS, RELAYS AND LOW VOLTAGE CABLING, ETC. ARE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SPECIFICAITIONS FOR ADDITIONAL INFORMATION.
17. PROVIDE ACCESS PANELS FOR ALL DUCT SMOKE DETECTORS, JUNCTION BOXES, AND OTHER EQUIPMENT REQUIRING ACCESS OR ADJUSTMENT, AND LOCATED ABOVE HARD CEILINGS OR BEHIND WALL PARTITIONS, IN CHASES, ETC.
18. THIS PROJECT REQUIRES SPECIFIC SEISMIC SWAY BRACING AND SUPPORTING OF SELECTED EQUIPMENT AND SYSTEMS. REFER TO SPEC SECTION 26 05 48.
19. UNLESS LARGER GAUGE IS INDICATED ON PANEL SCHEDULES, BRANCH CIRCUIT WIRING SHALL COMPENSATE FOR VOLTAGE DROP, AS FOLLOWS:
    a. 120V, 0-90LF: #12AWG 277V, 0-150LF: #12 AWG
    b. 120V, 91-140LF:#10 AWG 277V, 151-240LF: #10 AWG
    c. 120V, >140LF: #8 AWG 277V, >240LF: #8 AWG
20. UNLESS NOTED OTHERWISE, ALL WIRING & CONDUIT/CABLING SHOWN ON FLOOR PLANS IS FOR DIAGRAMMATIC PURPOSES ONLY. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH FIELD CONDITIONS AND INSTALL PER SPECIFICATIONS.
21. MINIMUM INTERIOR RIGID CONDUIT SIZE SHALL BE ¾" UNLESS NOTED OTHERWISE.
22. ALL RECEPTACLES INSTALLED IN KITCHENS, BREAK ROOMS AND WITHIN 6 FT OF SINKS, ETC. SHALL HAVE GFI PROTECTION PER NEC. DO NOT INSTALL GFCI OUTLETS BEHIND RANGES, REFRIGS, FREEZERS, DISHWASHERS, BUILT-IN MICROWAVES, AND SIMILAR INACCESSIBLE LOCATIONS. SUCH CIRCUITS SHALL USE GFCI BREAKERS.
23. PROVIDE RECEPTACLES AND LOW-VOLTAGE CONNECTION BOXES BEHIND ALL WALL-MOUNTED VIDEO MONITORS, FLAT SCREEN TV'S, ETC. LOW VOLTAGE SHALL INCLUDE A MINIMUM OF 2-GANG BOX WITH EMPTY 1-1/4" EMT CONDUIT TO CEILING CAVITY, UNLESS NOTED OTHERWISE. MOUNT RECEPTACLE AND LV BOX SIDE BY SIDE AT SAME ELEVATION, CONCEALED BEHIND THE TV OR MONITOR. COORDINATE OUTLET LOCATIONS WITH ARCH DETAILS AND MOUNTING HARDWARE/SUPPORT BRACKET FOR TV.
24. ALL ELECTRIC WATER COOLERS SHALL BE PROVIDED WITH GFCI PROTECTION PER NEC. WHERE RECEPTACLES INSTALLED FOR CORD/PLUG CONNECTED WATER COOLERS ARE CONCEALED BEHIND ACCESS PANEL OR SIMILAR INACCESSIBLE LOCATION, USE STANDARD OUTLET AND PROVIDE GFCI BRANCH BREAKER FOR PROTECTION.
25. REFRIGERATOR & FREEZER RECEPTACLES SHALL BE MOUNTED AT 42" AFF AND 6" FROM ADJACENT COUNTER, WHERE APPLICABLE.
26. MULTIPLE SWITCHES IN THE SAME LOCATION SHALL USE A SINGLE MULTI-GANG DEVICE BOX AND COVER PLATE.
27. PROVIDE WIRE BALL GUARDS FOR ALL EXIT SIGNS INSTALLED IN GYMNASIUMS OR MULTIPURPOSE ROOMS. CONCEAL ALL CONDUIT AND BACKBOXES, AS PRACTICABLE.
28. THE PROJECT INCLUDES PERFORMANCE SPECIFICATIONS (SECTION 27 60 00) TO PROVIDE AN EMERGENCY RESPONDER SYSTEM PER IFC 510. SYSTEM DESIGNER/INSTALLER SHALL SUBMIT ALL SYSTEM INFORMATION, DESIGN, ETC. TO THE FIRE DEPARTMENT AND LOCAL BUILDING PERMIT/INSPECTION DEPARTMENT FOR REVIEW AND APPROVAL.
29. THE PROJECT INCLUDES PERFORMANCE SPECIFICATIONS (SECTION 26 31 00) TO PROVIDE PHOTOVOLTAIC SYSTEM. SYSTEM DESIGNER/INSTALLER SHALL SUBMIT ALL SYSTEM INFORMATION, DESIGN, ETC. FOR REVIEW AND APPROVAL
30. PROVIDE A COMPLETE UL MASTER LABEL LIGHTNING PROTECTION SYSTEM (LPS) FOR THE ENTIRE BUILDING AND ALL ASSOCIATED ROOFTOP EQUIPMENT, EXTENSIONS, FLUES, VENTS, ETC. PER SPECIFICATION SECTION 13100 (26 41 13) AND NFPA 780.
31. NOTIFY MISS UTILITY OR NATIONAL "811" MINIMUM OF 48 HOURS PRIOR TO DIGGING. ON SITES WHERE SUCH SERVICES ARE NOT APPLICABLE, PROVIDE SERVICES OF AN UNDERGROUND UTILTY LOCATING CONTRACTOR TO LOCATE AND MARK ALL BURIED UTILITIES IN THE REGION WHERE EXCAVATION IS TO OCCUR.
32. EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN HEREIN REFLECT AVAILABLE DATA, AND MAY NOT REPRESENT AS-BUILT CONDITIONS. LOCATE AND PROTECT ALL UTILITIES WHICH ARE TO REMAIN IN USE, WHETHER SHOWN OR NOT. PROVIDE AMPLE COVER AND PROTECTION OF ALL INSTALLED UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.
33. CONFORM TO ALL FEDERAL, STATE AND LOCAL REQUIREMENTS FOR STORM WATER AND SEDIMENT & EROSION CONTROL, AS APPLICABLE TO THE SITE WORK OF THIS CONTRACT, INCLUDING ALL EXCAVATION AND TRENCHING.
34. ALL DEBRIS CREATED AS A RESULT OF TRENCHING OR SITE UTILITY INSTALLATION SHALL BE LEGALLY DISPOSED OF OFF-SITE.
35. TRENCHING WORK SHALL BE LIMITED TO A MAXIMUM OF 100LF OF OPEN TRENCH AT ANY TIME. EXCEPTIONS CAN ONLY BE APPROVED BY THE STATE'S DEPARTMENT OF THE ENVIRONMENT UPON SUBMISSION OF A SEDIMENT AND EROSION CONTROL PLAN.
36. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC, DIRECT BURIED OR CONCRETE ENCASED, AS INDICATED. MINIMUM BURIAL DEPTHS SHALL BE PER NEC.
37. ALL UNDERGROUND SITE LIGHTING CONDUITS SHALL BE SCHEDULE 40, DIRECT BURIED, MINIMUM 1" UNLESS NOTED OTHERWISE. MINIMUM BURIAL DEPTHS SHALL BE PER NEC.
38. ALL BURIED CABLES/CONDUIT/DUCTBANKS, HANDHOLES, MANHOLES, EQUIPMENT PADS, LIGHT POLE FOUNDATIONS, ETC. SHALL BE COORDINATED WITH FINAL GRADES PRIOR TO INSTALLATION.
39. ALL LIGHT POLES SHALL BE LOCATED A MINIMUM OF 18" FROM SIDEWALK OR PAVEMENT.
40. FOR OUTDOOR GENERATORS, COORDINATE DIRECTION OF RADIATOR AND EXHAUST DISCHARGE TO BE AWAY FROM BUILDINGS, STRUCTURES, ETC. AS INDICATED ON PLANS. MAINTAIN MINIMUM 10 FT FRONT CLEARANCE AT RADIATOR DISCHARGE.
41. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, AS INDICATED, INCLUDING ASSOCIATED CONCRETE PADS, FOUNDATIONS, AND CONDUIT DOWN TO A DEPTH OF 48" BELOW FINAL FINISHED GRADE.

ELECTRICAL DRAWING INDEX

Sheet Number	Sheet Name
E001	ELECTRICAL COVERSHEET
E002	LIGHT FIXTURE SCHEDULE
E100	ELECTRICAL SITE PLAN
E201	FIRST FLOOR LIGHTING - WING A
E202	FIRST FLOOR LIGHTING - WING B
E203	SECOND FLOOR LIGHTING - WING A
E204	SECOND FLOOR LIGHTING - WING B
E205	FIRST FLOOR POWER - WING A
E206	FIRST FLOOR POWER - WING B
E207	SECOND FLOOR POWER - WING A
E208	SECOND FLOOR POWER - WING B
E209	ROOF PLAN - ELECTRICAL - WING A
E210	ROOF PLAN - ELECTRICAL - WING B
E301	PART PLANS - ELECTRICAL
E501	ELECTRICAL POWER RISER DIAGRAM
E502	ELECTRICAL METER RISER DIAGRAMS
E601	ELECTRICAL DETAILS
E602	ELECTRICAL DETAILS
E603	ELECTRICAL DETAILS
E604	ELECTRICAL DETAILS
E605	ELECTRICAL DETAILS
E801	HVAC SCHEDULE
E802	PANEL SCHEDULES
E803	PANEL SCHEDULES

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SEAL: STATE OF MARYLAND — DALTON J. TWARDUS — 51627 — PROFESSIONAL ENGINEER — 7/14/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 51627 EXPIRATION DATE: 12/06/2026

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: 7/14/2025 2:34:47 PM

DGN BY:	KEC
DRN BY:	KEC
CHKD BY:	DJT

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE — PLAN SCALE: 12" = 1'-0" — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL COVERSHEET

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E001	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 236 OF 302	
DRAWING NUMBER	2024 – 1549
FILE NO.: 8	REV. NO.:

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLT	MOUNTING	LAMPS	MANUFACTURER/MODEL #
A	24" X 24" HIGH ABUSE LED FIXTURE WITH DIE FORMED, SEAM WELDED, STAINLESS STEEL HSG, PRISMATIC TEMP GLASS, TAMPER RESISTANT HARDWARE, WHITE POWDER COAT FINISH AND 0-10V DIMMING	MVOLT	RECESSED	50W LED 5500 LUMENS 3500K	NEW STAR 57R-22-B/B-L4-35-1C-3/C-UN-DM-PF
B1	2X2 LED TROFFER	MVOLT	RECESSED	29.5W LED 2816 LUMENS 3500K	H E WILLIAMS PT-22-L43/835-RA-(L30)-DIM-UNV
B2	2X4 LED TROFFER	MVOLT	RECESSED	34.2W LED 3874 LUMENS 3500K	H E WILLIAMS PT-24-L49/835-RA-(L40)-DIM-UNV
C	48" DIRECT/INDIRECT WALL MOUNTED LED FIXTURE WITH EXTRUDED ALUMINUM HSG, DIFFUSED ACRYLIC LENS	MVOLT	SUSPENDED	27.2W LED 3172 LUMENS 3500K	H E WILLIAMS MX2WUD-4'00-L4/835U/L4/835D-S-FA/F-DIM-UNV
C1	4' GASKETED & LENSED STRIP LIGHT	MVOLT	SURFACE	30W LED 4086 LUMENS 4000K	H E WILLIAMS 96-4-L40/840-HIAFR-DIM-UNV
D	6" LED SQUARE RECESSED DOWNLIGHT BUG RATING: B2-U0-G0	MVOLT	RECESSED	19.5W LED 1936 LUMENS 3500K	H E WILLIAMS 6DR-TL-L20/835-DIM-UNV-RW-OF-WH-N-F1
D1	6" LED SQUARE RECESSED DOWNLIGHT	MVOLT	RECESSED	22.5W LED 1936 LUMENS 3500K	H E WILLIAMS 6DS-L20/835-DIM-UNV-RW-OF-WH-WET/CC-N-F1
D2	6" LED SQUARE RECESSED DOWNLIGHT	MVOLT	RECESSED	8.7W LED 1936 LUMENS 3500K	H E WILLIAMS 6DS-TL-L10/835-DIM-UNV-AWW-OF-WH-WET/CC-N-F1
E	LED EXIT SIGN	MVOLT	SURFACE	3W GREEN LED	LIGHTALARMS 6UEAGM
F	4' LED STRIP LIGHT WITH CURVED ACRYLIC LENS	MVOLT	SURFACE/SUSPENDED	35.8W LED 5261 LUMENS 4000K	H E WILLIAMS 76R-4-L52/840-DIM-UNV
F1	2' LED STRIP LIGHT WITH CURVED ACRYLIC LENS	MVOLT	SURFACE/SUSPENDED	18.2W LED 2470 LUMENS 3500K	H E WILLIAMS 75R-2-L25/835-DIM-UNV
L	LINEAR RECESSED FIXTURE	MVOLT	SUSPENDED	17.5W LED 1820 LUMENS 3500K	XAL/BASO BASO2.5-9GR-WH-OP-35K-C80-UNV-010V-0500LF-ST-48"
P1	4' LINEAR SUSPENDED LED FIXTURE	MVOLT	SUSPENDED	7.7W LED 1820 LUMENS 3500K	XAL/BASO BASO2.5-PDT-WH-OPBW-35K-C80-UNV-010V-0750LF-ST-4FT
P2	8' LINEAR SUSPENDED LED FIXTURE	MVOLT	SUSPENDED	7.7W LED 3650 LUMENS 3500K	XAL BASO2.5-PDT-WH-OPBW-35K-C80-UNV-010V-0455LF-ST-8FT

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLT	MOUNTING	LAMPS	MANUFACTURER/MODEL #
S1	LED POLE LIGHT & SQUARE POLE BUG RATING: B2-U0-G2	277V	16' POLE	94W LED 12500 LUMENS 3000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TIII C-3000K-12000-BASE COVER-NERI GRAY
S2	LED POLE LIGHT & SQUARE POLE BUG RATING: B3-U0-G2	277V	16' POLE	94W LED 12500 LUMENS 3000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TIV C-3000K-12000-BASE COVER-NERI GRAY
S3	LED POLE LIGHT & SQUARE POLE BUG RATING: B3-U0-G1	277V	16' POLE	94W LED 12500 LUMENS 3000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TV C-3000K-12000-BASE COVER-NERI GRAY
S4	LED POLE LIGHT & SQUARE POLE BUG RATING: B2-U0-G2	277V	16' POLE	72W LED 9000 LUMENS 3000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TIII C-3000K-9000-BASE COVER-NERI GRAY
T	ACOUSTICAL TILE T-BAR LINEAR LED LIGHTING	MVOLT	SURFACE	4.8W/FT LED 486 LUMENS/FT 3500K	GOLDENEYE AL-0.5-SC-24-M(9/16")-35K-90+-X
V	STEP/WALL LED LIGHT BUG RATING: B0-U1-G0	MVOLT	RECESSED	3W LED 157 LUMENS 4000K	AMERLUX PRCD8-H30-BLK-RTBX-8
W	ARCHITECTURAL WALL PACK BUG RATING: B1-U0-G0	MVOLT	WALL MOUNTED ABOVE DOOR	27W LED 2868 LUMENS 3000K	H E WILLIAMS VWM H-L20/830-T3-BLK-SDGL-PC-DIM-277
W1	ARCHITECTURAL WALL PACK BUG RATING: B1-U0-G0	MVOLT	WALL MOUNTED @ 8' AFG	17W LED 1921 LUMENS 3000K	H E WILLIAMS VWMH-L17/830-TL-BLK-SDGL-DIM-UNV
W2	ARCHITECTURAL WALL PACK BUG RATING: B1-U0-G1	MVOLT	WALL MOUNTED @ 12' AFG	27W LED 3325 LUMENS 3000K	H E WILLIAMS VWPH-L30/830-TFT-BLK-CGL-DIM-UNV
X	4' IN-GRADE LED WALL GRAZER BUG RATING: B0-U5-G0	MVOLT	SURFACE	8W/FT LED 712 LUMENS/FT 3500K	ALUZ A4-ZERA-ING-10D-STS-30K-8W-10V-IP67-UNV-LENGTH PER PLANS
X1	FLAG POLE LED SPOTLIGHT BUG RATING: B3-U1-G0	MVOLT	IN-GRADE	27W LED 2787 LUMENS 4000K	HEPER LIGHTING LF-8018.694-US-N-700-840-0-10V-HM1
Y	MONUMENT SIGN LIGHTING BUG RATING: B0-U1-G0	MVOLT	SURFACE	27W LED 2787 LUMENS 4000K	ALUZ A1-ZAKY-ASM-6W-10V-40K-WET SA-8'-0"

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DATE : 7/14/2025 2:34:47 PM

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P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: 12" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LIGHT FIXTURE SCHEDULE

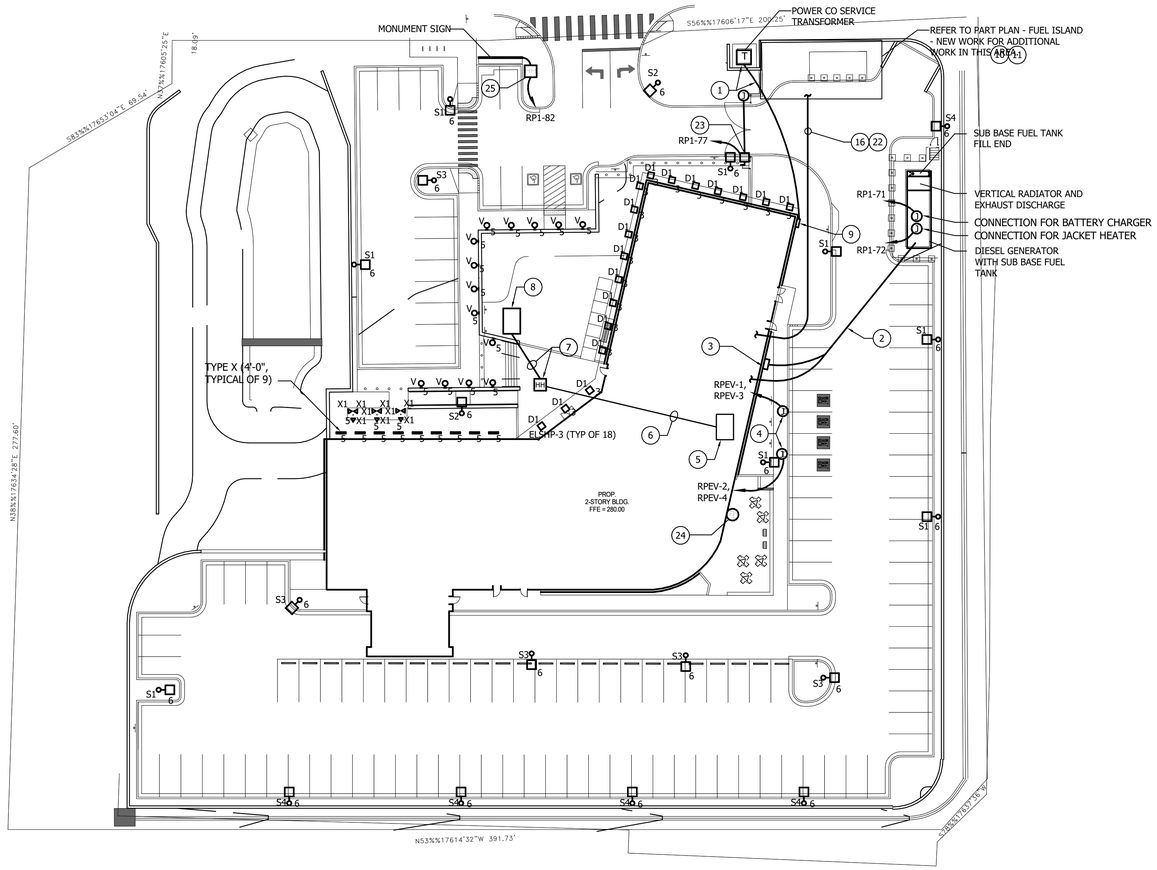
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

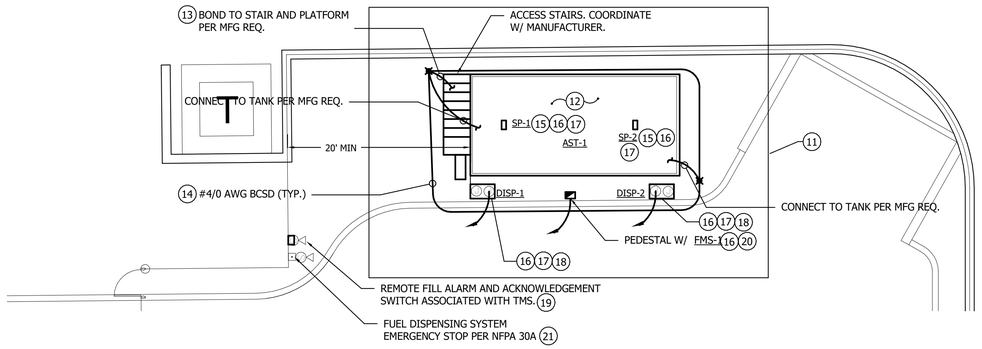
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E002	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 237 OF 302	
DRAWING NUMBER	2024 - 1550
FILE NO.: 8	REV. 07/22



Electrical Site Plan

SCALE: 1" = 30'-0"



PART PLAN - FUEL TANK AND DISPENSERS - NEW WORK

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONFORM TO ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR STORM WATER AND SEDIMENT & EROSION CONTROL, AS APPLICABLE TO THE SITE WORK OF THIS CONTRACT, INCLUDING ALL EXCAVATION AND TRENCHING.
2. ALL DEBRIS CREATED AS A RESULT OF TRENCHING OR SITE UTILITY INSTALLATION SHALL BE LEGALLY DISPOSED OF OFF-SITE.
3. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC, DIRECT BURIED OR CONCRETE ENCASED, AS INDICATED.
4. ALL BURIED CABLES/CONDUIT/DUCTBANKS, EQUIPMENT PADS, ETC. SHALL BE COORDINATED WITH FINAL GRADES PRIOR TO INSTALLATION.
5. COORDINATE ROUTING OF DIRECT BURIED/CONCRETE ENCASED DUCTBANKS WITH STRUCTURAL PLANS PRIOR TO INSTALLATION.
6. ALL SITE CONDUITS SHALL BE ROUTED 30" MINIMUM BELOW FINISHED GRADED.
7. PROVIDE HANDHOLES AS REQUIRED, SIZED PER NEC.
8. WORK ON THIS SHEET FALLS WITHIN THE BOUNDRY OF A MOTOR FUEL DISPENSING FACILITY. ALL WIRING, CONDUIT, EQUIPMENT, ETC. SHALL COMPLY WITH NEC 514. AS REQUIRED BY NEC 514.8, ALL UNDERGROUND WIRING INSTALLED BELOW MOTOR FUEL DISPENSING FACILITIES SHALL BE IN RGS. IN LIEU OF RGS, NEC 514.8 EXCEPTION 2 ALLOWS PVC WHERE BURIED UNDER AT LEAST 2' OF COVER, WITH TRANSITION TO RGS FOR LAST 2' OF UNDERGROUND RUN PRIOR TO EMERGENCE FROM BELOW GRADE. IN ADDITION, THIS EXCEPTION REQUIRES AN EQUIPMENT GROUNDING CONDUCTOR, WHEREVER NOT ALREADY BEING PROVIDED. REFER TO E604 FOR ADDITIONAL INFORMATION.
9. AS INDICATED BY THE NEC HANDBOOK MANY STEPS ARE REQUIRED TO PROPERLY CLASSIFY A HAZARDOUS LOCATION. ALTHOUGH THE NEC PROVIDES GENERAL AREA CLASSIFICATIONS, IT DOES NOT CLASSIFY SPECIFIC LOCATIONS. NEC CLASSIFICATIONS HAVE BEEN EXTRACTED FROM OTHER NFPA DOCUMENTS. THOSE RESPONSIBLE FOR SPECIFIC AREA CLASSIFICATIONS MUST CONSIDER THE BASIS FOR THE GENERAL CLASSIFICATIONS IN ORDER TO DETERMINE APPLICABILITY TO A SPECIFIC LOCATION. THEREFORE, THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND AHJ PRIOR TO WORK IN ORDER TO CONFIRM FINAL APPROVED HAZARDOUS LOCATION CLASSIFICATIONS AND ASSOCIATED BOUNDRIES.
10. ALL WIRING METHODS, DEVICES AND EQUIPMENT INSTALLED WITHIN, BELOW, OR ABOVE A CLASSIFIED HAZARDOUS LOCATION SHALL COMPLY WITH NEC 514 AND ASSOCIATED PORTIONS OF NEC 501. AS REQUIRED BY NEC 514.8, WHERE ANY PORTION OF ELECTRICAL WIRING PASSES BELOW A CLASS 1 DIVISION 1 OR 2 LOCATION, THE CONDUIT SHALL BE SEALED WITHIN 10' OF EMERGENCE ABOVE GRADE AT BOTH ENDS AND PER NEC 514.9(B), SEALS ARE REQUIRED AT THE BOUNDRIES OF ALL CLASS 1 LOCTIONS. CONDUIT SEALS ARE CALLED OUT BY DRAWING NOTE 16, AND OTHER NOTES ON THIS DRAWING, BASED ON ASSUMED CONDUIT ROUTING. PROVIDE ALL SEALS AS REQUIRED BY NEC, BASED ON INSTALLED CONDUIT ROUTING. PER NEC 501.15(B)(1), PROVIDE SEALS WITHIN 18" OF EXPLOSION PROOF ENCLOSURES.
11. DO NOT ROUTE ANY CONDUITS DIRECTLY BELOW ABOVE GROUND FUEL TANKS.
12. PER SPEC SECTION 26 05 19, ALL WIRING FOR MOTOR FUEL DISPENSING FACILITY SHALL BE MARKED "GASOLINE AND OIL RESISTANT", 600V, 90C. PROVIDE STRANDED OR SOLID PER SPEC, OR AS REQUIRED BY MANUFACTURER OF EQUIPMENT SERVED.
13. PROVIDE GROUNDING AND BONDING OF ALL METAL RACEWAYS, METALLIC SHEATH/ARMOR, AND NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT WITHIN MOTOR FUEL DISPENSING FACILITY PER NEC 514.16. AS REFERENCED BY NEC 514.16, THIS SHALL INCLUDE GROUNDING AND BONDING PER NEC 501.30. PROVIDE BONDING OF CONDUIT CONNECTIONS TO ASSOCIATED ENCLOSURES VIA LISTED DEVICES SUCH AS BONDING TYPE LOCKNUTS AND BUSHINGS, OR BUSHINGS WITH BONDING JUMPERS, FOR ALL VOLTAGES, FROM CLASS 1 LOCATION BACK TO THE MAIN BONDING JUMPER AT THE MAIN BUILDING SERVICE DISCONNECT.

DRAWING NOTES

1. PAD MOUNTED SERVICE TRANSFORMER & SECONDARY DUCTBANK TO EXTERIOR CT CABINET. REFER TO POWER RISER FOR ADDITIONAL INFORMATION.
2. GENERATOR DUCTBANK. REFER TO DETAIL - GENERATOR DUCTBANK ON DRAWING E701 FOR ADDITIONAL INFORMATION.
3. GENERATOR DOCKING STATION.
4. PROVIDE A DUAL PORT ELECTRIC CAR CHARGING STATION - "CHARGEPOINT CT4023-GW1; CPCLD-COMMERCIAL-5; CT 4000-INSTALLVALID; CPSUPPORT-ACTIVE" (INSTALL PER MANUFACTURER'S REQIREMENTS/ RECOMMENDATIONS) (PLEASE NOTE THAT THIS UNIT CAN BE INSTALLED BY EITHER MANUFACTURER'S ELECTRICIAN OR THE PROJECT'S ELECTRICIAN, IF THE PROJECT'S ELECTRICIAN INSTALLS, THIS MANUFACTURER REQUIRES A SPECIFIC PROCESS FOR INSTALLATION).
5. EX. GENERATOR TO BE RELOCATED TO SERVE EX. BUILDING WHILE NEW BUILDING IS UNDER CONSTRUCTION.
6. FIELD VERIFY ROUTING OF EXISTING GENERATOR CONDUITS. REMOVE EXISTING GENERATOR CONDUITS SO NOT TO BE DISTURBED DURING CONSTRUCITON OF NEW BUILDING.
7. INTERCEPT EXISTING GENERATOR CONDUITS, PROVIDE HANDHOLE AND EXTEND CONDUIT & WIRING TO MATCH EXISTING TO RELOCATED GENERATOR LOCATION.
8. PROPOSED RELOCATED EX. GENERATOR LOCATION. COORDINATE FINAL LOCATION ON SITE PRIOR TO ROUGH-IN/RELOCATION.
9. BGE CT CABINET AND METER. REFER TO BUILDING PLAN AND POWER RISER FOR ADDITIONAL INFORMATION.
10. BOUNDRY OF MOTOR FUEL DISPENSING AREA. PROVIDE CONDUIT, SEALS AND WIRING WITHIN BOUNDRY OF MOTOR FUEL DISPENSING AREA AS REQUIRED BY NEC, AND AS INDICATED ON SITE PLAN AND IN SPECIFICATIONS.
11. CLASS 1 DIVISION 2 HAZARDOUS LOCATION UP TO 10' ABOVE GRADE LEVEL IN ALL DIRECTIONS FROM ABOVE GROUND GASOLINE STORAGE TANK (CLASS 1 LIQUID). AREA SHOWN IS FOR REFERENCE ONLY - CONFIRM WITH AHJ PRIOR TO WORK. REFER TO GENERAL NOTES #11 & 12 ON THIS SHEET FOR ADDITIONAL INFORMATION.
12. CLASS 1 DIVISION 1 HAZARDOUS LOCATION ASSOCIATED WITH GASOLINE TANK VENT(S) (CLASS 1 LIQUID), LOCATED WITHIN 5' OF GASOLINE TANK VENT IN ALL DIRECTIONS. REFER TO MECHANICAL DRAWINGS FOR VENT LOCATION(S). AREA DESCRIBED IS FOR REFERENCE ONLY - CONFIRM WITH AHJ PRIOR TO WORK. REFER TO GENERAL NOTES #11 & 12 ON THIS SHEET FOR ADDITIONAL INFORMATION.
13. ALL SECTIONS OF STAIR, PLATFORM AND TANK SHALL BE BONDED TOGETHER.
14. BURIED GROUNDING CONDUCTOR SHALL BE INSTALLED IN RGS CONDUIT AS INDICATED BY GENERAL NOTE #3 ON THIS SHEET. NO PVC CONDUIT IS PERMITTED FOR GROUNDING CONDUCTOR. BOND GROUNDING CONDUCTOR TO EACH END OF CONDUIT PER NEC 250.64(E). PROVIDE HAZARDOUS LOCATION SEALS AS REQUIRED BY GENERAL NOTE #12 ON THIS SHEET. PROVIDE FUEL RESISTANT/WEATHERPROOF SEALS ON EACH END OF CONDUIT.
15. GASOLINE FUEL PUMP (3/4HP, 208V, 1PHASE). PROVIDE POWER CONNECTION AS INDICATED BY PART PLAN - ELEVATOR MACHINE RM AND PIT ON SHEET E301. PROVIDE SEAL WITHIN 18" OF EXPLOSION PROOF ENCLOSURE AS REQUIRED BY NEC 501.15.
16. PER NEC 514.8, PROVIDE SEAL ON EACH END OF CONDUIT RUNS ASSOCIATED WITH THIS EQUIPMENT WITHIN 10' OF EMERGENCE ABOVE GRADE. NO UNIONS, COUPLINGS, BOXES OR FITTINGS ARE PERMITTED BETWEEN THE SEAL AND POINT OF EMERGENCE ABOVE GRADE. REFER TO GENERAL NOTE #12 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
17. POWER AND LOW VOLTAGE/CONTROL WIRING, INCLUDING NEUTRALS, FOR BOTH DISPENSERS AND PUMPS SHALL BE DISCONNECTED BY EMERGENCY SHUTOFF BUTTONS VIA DISPENSER CIRCUIT MANAGER PER NEC 514.11. IN ADDITION, DISPENSER CIRCUIT MANAGER SHALL PROVIDE MEANS TO INDIVIDUALLY DISCONNECT POWER AND LOW VOLTAGE/CONTROL WIRING TO EACH DISPENSER FOR MAINTENANCE PER NEC 514.13. PROVIDE ALL REQUIRED POWER AND LOW VOLTAGE/CONTROL WIRING AS NECESSARY TO IMPLEMENT EMERGENCY SHUTOFF AND MAINTENANCE DISCONNECT FUNCTIONS. REFER TO PANEL SCHEDULE AND DETAIL - TYPICAL FUEL DISPENSER SCHEMATIC DIAGRAM FOR ADDITIONAL INFORMATION.
18. INTEGRAL EXPLOSION PROOF JUNCTION BOX FOR GASOLINE FUEL DISPENSER POWER (3.4A, 120V). IN ADDITION TO POWER WIRING AND CONDUIT FOR BRANCH CIRCUIT, PROVIDE LOW VOLTAGE EXPLOSION PROOF JUNCTION BOX WITH DIVIDER FOR INTRINSICALLY SAFE WIRING, AS WELL AS (4) 1"C. FROM JUNCTION BOX TO DCM LOW VOLTAGE PULLBOX IN BUILDING STORAGE ROOM FOR CONTROLS. PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. PROVIDE SEAL AT EACH CONDUIT ENTERING AND LEAVING DISPENSER PER NEC 514.9(A) (INCLUDES POWER, CONTROL, ETC.). REFER TO DETAIL - TYPICAL FUEL DISPENSER SCHEMATIC DIAGRAM ON E604 FOR ADDITIONAL INFORMATION.
19. PROVIDE AND INSTALL ALARM SIREN/LIGHT AND ACKNOWLEDGE/RESET BUTTON AT TANK LOCATION COMPATABLE WITH TANK MONITORING SYSTEM. ALARM SIREN/LIGHT AND ACKNOWLEDGE/RESET BUTTON SHALL BE TOTALLY ENCLOSED TYPE, OR CONSTRUCTED TO PREVENT THE ESCAPE OF SPARKS OR HOT METAL PARTICLES, OR SHALL OTHERWISE COMPLY WITH NEC 511.7(B)(1)(a). INSTALL AND CONNECT TO TANK MONITORING SYSTEM PER MANUFACTURER'S REQUIREMENTS. COORDINATE MODEL # WITH MECHANICAL AND FUEL MONITORING SYSTEM MANUFACTURER. COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER. REFER TO DRAWING NOTES ON SHEET E604 FOR ADDITIONAL INFORMATION ON ROUTING OF CONDUITS TO MAIN BUILDING TMS LOCATION.
20. PEDESTAL MOUNTED FUEL MANAGMENT SYSTEM (PROVIDED BY MECHANICAL). INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE (1) 3/4"C. FROM FMS TO PANEL F1 FOR POWER; (1) 3/4"C. TO EQUIPMENT BACKBOARD IN MAIN ELECTRICAL ROOM FOR DATA/TELEPHONE; FOR EACH DISPENSER, (2) 3/4"C. TO DCM LOW VOLTAGE PULLBOX IN STORAGE RM FOR CONTROLS (AND CONDUIT FROM PULLBOX TO DISPENSERS AS INDICATED BY DRAWING NOTE #**); AND (1) 3/4"C. TO DCM LOW VOLTAGE PULLBOX FOR CONNECTION TO TANK MONITORING SYSTEM. PROVIDE ALL NECESSARY CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. CLASS 1 CONTROL WIRING SHALL BE IN CONDUIT. REFER TO DETAIL - TYPICAL FUEL DISPENSER SCHEMATIC DIAGRAM ON SHEET E604 FOR ADDITIONAL INFORMATION.
21. FUEL DISPENSER EMERGENCY SHUTOFF LOCATED ON FENCE AT TANK LOCATION. PROVIDED BY MANUFACTURER WITH DISPENSER CIRCUIT MANAGER.
22. PROVIDE (6) 1"CONDUITS FOR POWER WIRING FROM PANEL F1 TO FUEL TANK AREA FOR CONNECTION OF FUEL TANK PUMPS, FUEL DISPENSERS, ETC. PROVIDE (6) 1" CONDUITS FOR LOW VOLTAGE EQUIPMENT CONNECTIONS. REFER TO DETAIL - TYPICAL DISPENSER CIRCUIT MANAGER CONTROL WIRING FOR ADDITIONAL INFORMATION ON SHEET E604.
23. PROVIDE 2P-30A NFSS IN NEMA 3R ENCLOSURE FOR CONTROL OF ACCESS GATE POWER. COORDINATE EXACT LOCATION WITH MANUFACTURER, CIVIL AND LANDSCAPE CONTRACTOR PRIOR TO ROUGHIN.
24. PROVIDE LIGHTING SYSTEM PHOTOCELL FOR CONTROL OF BUILDING EXTERIOR AND SITE LIGHTING. LOCATE ON ROOF WHERE MAXIMUM EXPOSURE TO NATURAL LIGHTING AND MINIMUM EXPOSURE TO ARTIFICIAL LIGHTING.
25. HANDHOLE FOR LOCATION OF MONUMENT SIGN LED LIGHTING REMOTE DRIVER. COORDINATE LOCATION WITH LANDSCAPE CONTRACTOR.

DWG. FILENAME: C:\Users\kecallison\Documents\2890401-Wilkens Police Precinct-Central\R21_kevincallison.rvt

SEAL: STATE OF MARYLAND — DALTON J. TWARDUS — 51627 — PROFESSIONAL ENGINEER — 7/24/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026.					R.O.W NO.	GSW	14SW19	PLAN SCALE: As indicated		APPROVED BY: PROPERTY MANAGER
		CONTRACT COMPLETION BOX					14SW20	PROFILE SCALE:		DATE:
ENGINEER:	DGN BY: KEC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: KEC	REVIEWED BY:								
BY: DATE:	CHKD BY: DJT	DATE REVIEWED:								

DATE: 7/24/2025 12:49:38 PM

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL SITE PLAN

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

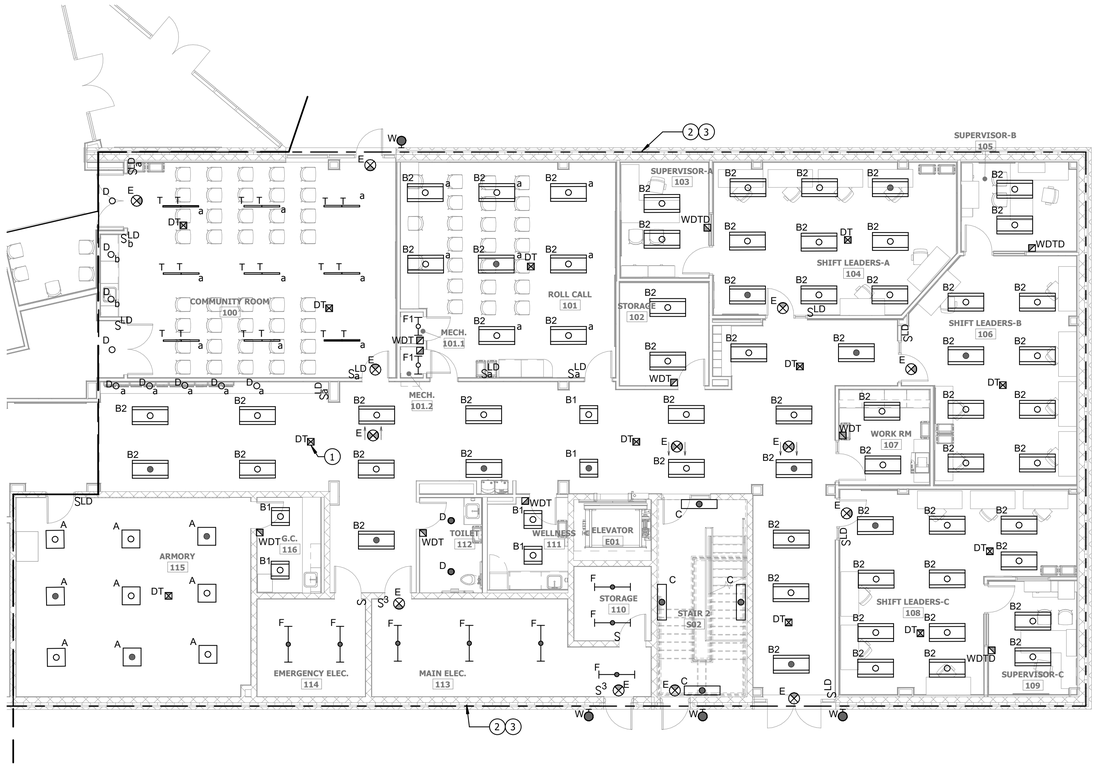
SHEET DESIGNATION	CONTRACT NUMBER
E100	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 238 OF 302	
DRAWING NUMBER	2024 – 1551
FILE NO.: 8	REV. 07.24

GENERAL NOTES

1. PROVIDE ALL WIRING REQUIRED FOR SWITCH LEGS AS NECESSARY.
2. UNLESS NOTED OTHERWISE, ALL OCCUPANCY SENSOR SHOWN ON THIS SHEET SHALL BE SET TO MANUAL-ON (VACANCY MODE). TOILETS & STAIR OCCUPANCY SENSORS SHALL BE SET TO AUTO-ON (OCCUPANCY MODE).
3. EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE CONTROLLED BY LOCAL SWITCHING IN THE ROOMS/AREAS WITH SUBSCRIPT ADJACENT FIXTURE AND IN ROOMS WHERE ALL FIXTURES ARE ON EMERGENCY POWER, OTHERWISE EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED.
4. ALL SWITCHED EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE PROVIDED WITH A LISTED UL 924 RELAY PER SPECIFICATIONS.
5. UNLESS NOTED OTHERWISE, ALL NORMAL LIGHTING (NON SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LP1-1.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT ESLHP-1.

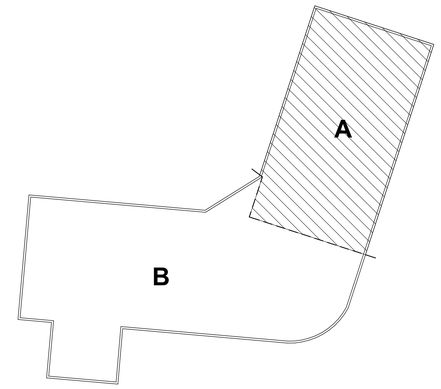
DRAWING NOTES

1. OCCUPANCY SENSOR CONTROLS SWITCH AND DOWNLIGHTS WITH SWITCH LETTER 'A'. IN ADDITION TO CORRIDOR LIGHTING.
2. ALL NORMAL LIGHTING (NON SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT LP1-1.
3. ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT ESLHP-1.



FIRST FLOOR LIGHTING - WING A

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

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DWG. FILENAME:

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND DALTON J. TWARDOWSKI 21627 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 21627, EXPIRATION DATE 12/06/2026.						14SW19	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER	
7/14/2025	ENGINEER: DGN BY: DJT	CONTRACT COMPLETION BOX			R.O.W. NO.	GSW	14SW20	PROFILE SCALE:	DATE:	
DATE: 7/14/2025 2:34:50 PM	AS-BUILT PER RECORD PRINT DRN BY: BJA	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	BY: CHKD BY: DJT	REVIEWED BY:								
	DATE:	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR LIGHTING - WING A

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

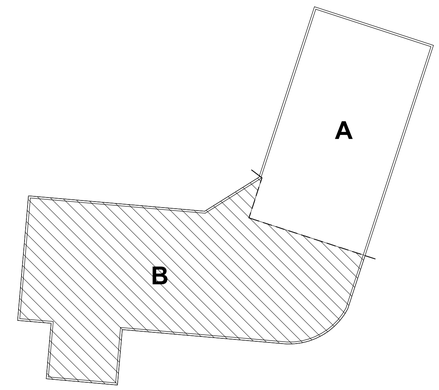
SHEET DESIGNATION	CONTRACT NUMBER
E201	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 239 OF 302	
DRAWING NUMBER	2024 - 1552
FILE NO.: 8	REV. 07.19

GENERAL NOTES

1. PROVIDE ALL WIRING REQUIRED FOR SWITCH LEGS AS NECESSARY.
2. UNLESS NOTED OTHERWISE, ALL OCCUPANCY SENSOR SHOWN ON THIS SHEET SHALL BE SET TO MANUAL-ON (VACANCY MODE). TOILETS & STAIR OCCUPANCY SENSORS SHALL BE SET TO AUTO-ON (OCCUPANCY MODE).
3. EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE CONTROLLED BY LOCAL SWITCHING IN THE ROOMS/AREAS WITH SUBSCRIPT ADJACENT FIXTURE AND IN ROOMS WHERE ALL FIXTURES ARE ON EMERGENCY POWER, OTHERWISE EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED.
4. ALL SWITCHED EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE PROVIDED WITH A LISTED UL 924 RELAY PER SPECIFICATIONS.
5. UNLESS NOTED OTHERWISE, ALL NORMAL LIGHTING (NON SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LP1-2.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT ESLHP-1.

DRAWING NOTES

1. SUSPEND LIGHT FIXTURES AT 10' AFF.
2. ALL NORMAL LIGHTING (NON SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT LP1-1.
3. LIGHTING FIXTURES IN THIS AREA SHALL BE SUSPENDED BETWEEN BEAMS WITH BOTTOM OF FIXTURE AT SAME ELEVATION WITH BOTTOM OF BEAMS. COORDINATE MOUNTING WITH GARAGE DOOR TRACK SYSTEM AND STRUCTURAL FRAMING.
4. ALL NORMAL LIGHTING (NON SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT LP1-2.
5. ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT ESLHP-1.



FIRST FLOOR LIGHTING - WING B

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottBRNQP.rvt

SEAL: STATE OF MARYLAND · DYLON J. TWARDUS · #1621 · PROFESSIONAL ENGINEER

DATE: 7/14/2025 2:34:53 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026.			
ENGINEER:	CONTRACT COMPLETION BOX		
AS-BUILT PER RECORD PRINT			
BY: DATE:			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: DJT							
DWN BY: BJA							
CHKD BY: DJT							
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR LIGHTING - WING B

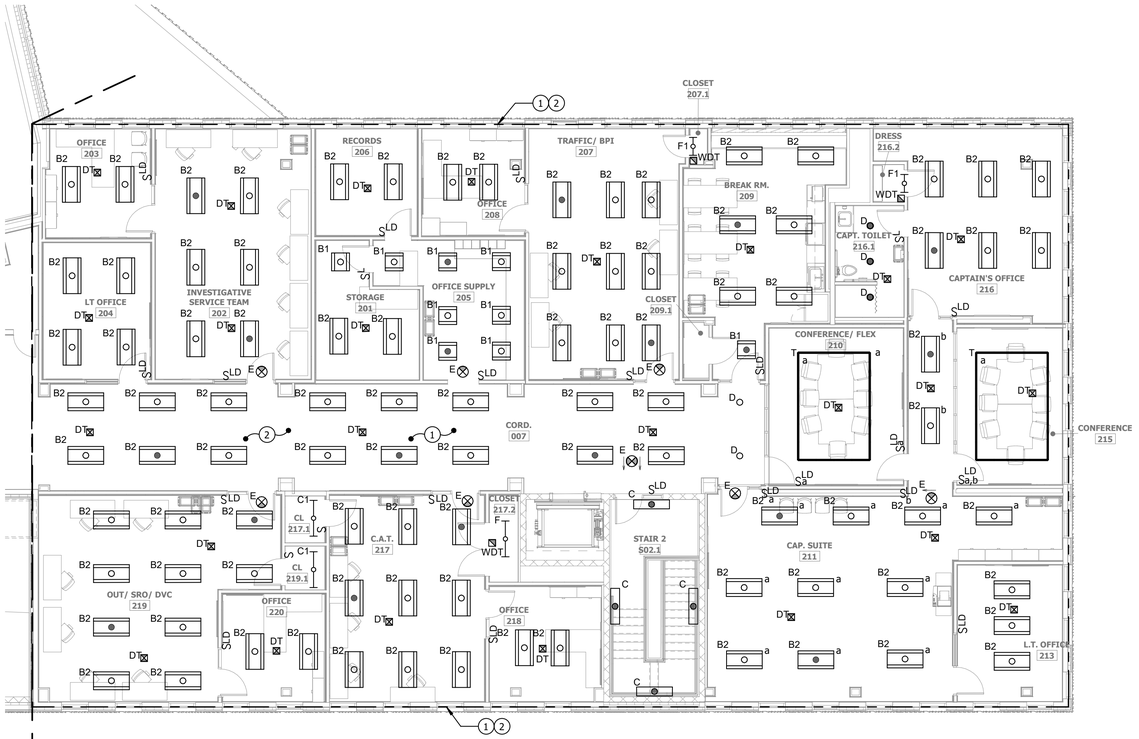
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E202	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 240 OF 302	
DRAWING NUMBER	2024 – 1553
FILE NO.: 8	REV. 0.0.00



SECOND FLOOR LIGHTING - WING A

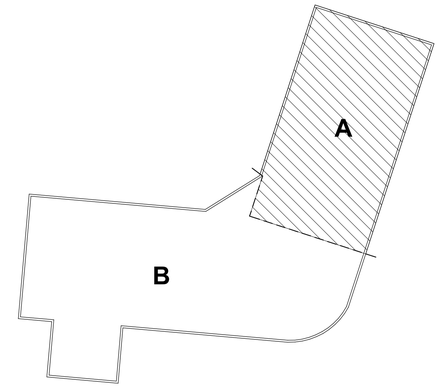
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE ALL WIRING REQUIRED FOR SWITCH LEGS AS NECESSARY.
2. UNLESS NOTED OTHERWISE, ALL OCCUPANCY SENSOR SHOWN ON THIS SHEET SHALL BE SET TO MANUAL-ON (VACANCY MODE). TOILETS & STAIR OCCUPANCY SENSORS SHALL BE SET TO AUTO-ON (OCCUPANCY MODE).
3. EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE CONTROLLED BY LOCAL SWITCHING IN THE ROOMS/AREAS WITH SUBSCRIPT ADJACENT FIXTURE AND IN ROOMS WHERE ALL FIXTURES ARE ON EMERGENCY POWER, OTHERWISE EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED.
4. ALL SWITCHED EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE PROVIDED WITH A LISTED UL 924 RELAY PER SPECIFICATIONS.
5. UNLESS NOTED OTHERWISE, ALL NORMAL LIGHTING (NON SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LP1-3.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT ESLHP-2.

DRAWING NOTES

1. ALL NORMAL LIGHTING (NON SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT LP1-3.
2. ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT ESLHP-2.



SCALE: 1/8" = 1'-0"

8 0 8 16

C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R2L_mscottR8PQP.rvt

DWG. FILENAME:

SEAL: STATE OF MARYLAND DALTON J. TWARDUY 51627 PROFESSIONAL ENGINEER

DATE: 7/14/2025 2:34:57 PM

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026.				
		CONTRACT COMPLETION BOX		
ENGINEER:	DGN BY: DJT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS
AS–BUILT PER RECORD PRINT	DRN BY: BJA	REVIEWED BY:		
BY: DATE:	CHKD BY: DJT	DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W NO.	GSW	14SW19	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER
		14SW20	PROFILE SCALE:	DATE:

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR LIGHTING - WING A

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E203	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 241 OF 302	
DRAWING NUMBER	2024 – 1554
FILE NO.: 8	REV. 07/25

SECOND FLOOR LIGHTING - WING B

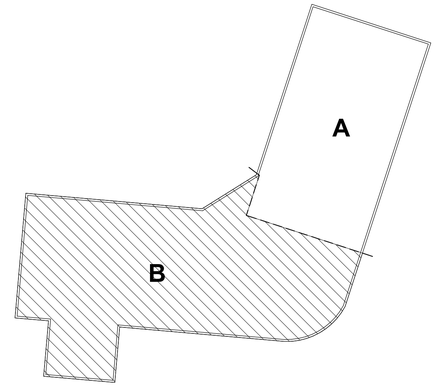
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE ALL WIRING REQUIRED FOR SWITCH LEGS AS NECESSARY.
2. UNLESS NOTED OTHERWISE, ALL OCCUPANCY SENSOR SHOWN ON THIS SHEET SHALL BE SET TO MANUAL-ON (VACANCY MODE). TOILETS & STAIR OCCUPANCY SENSORS SHALL BE SET TO AUTO-ON (OCCUPANCY MODE).
3. EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE CONTROLLED BY LOCAL SWITCHING IN THE ROOMS/AREAS WITH SUBSCRIPT ADJACENT FIXTURE AND IN ROOMS WHERE ALL FIXTURES ARE ON EMERGENCY POWER, OTHERWISE EMERGENCY LIGHTING SHALL REMAIN UNSWITCHED.
4. ALL SWITCHED EMERGENCY (SHADED) LIGHT FIXTURES SHALL BE PROVIDED WITH A LISTED UL 924 RELAY PER SPECIFICATIONS.
5. UNLESS NOTED OTHERWISE, ALL NORMAL LIGHTING (NON SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LP1-4.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT ESLHP-2.

DRAWING NOTES

1. MOUNT FIXTURE AS HIGH AS POSSIBLE.
2. ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT ESLHP-2.
3. ALL NORMAL LIGHTING (NON SHADED) FIXTURES WITHIN THIS SPACE SHALL BE CONNECTED TO CIRCUIT LP1-4.



SCALE: 1/8" = 1'-0"

8 0 8 16

C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

DWG. FILENAME:

SEAL: STATE OF MARYLAND · DALTON J. TWARDOS · 21622 · PROFESSIONAL ENGINEER · 7/14/2025

DATE: 7/14/2025 2:35:00 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627 EXPIRATION DATE: 12/06/2026.

ENGINEER:

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DJT
DWN BY: BJA
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR LIGHTING - WING B

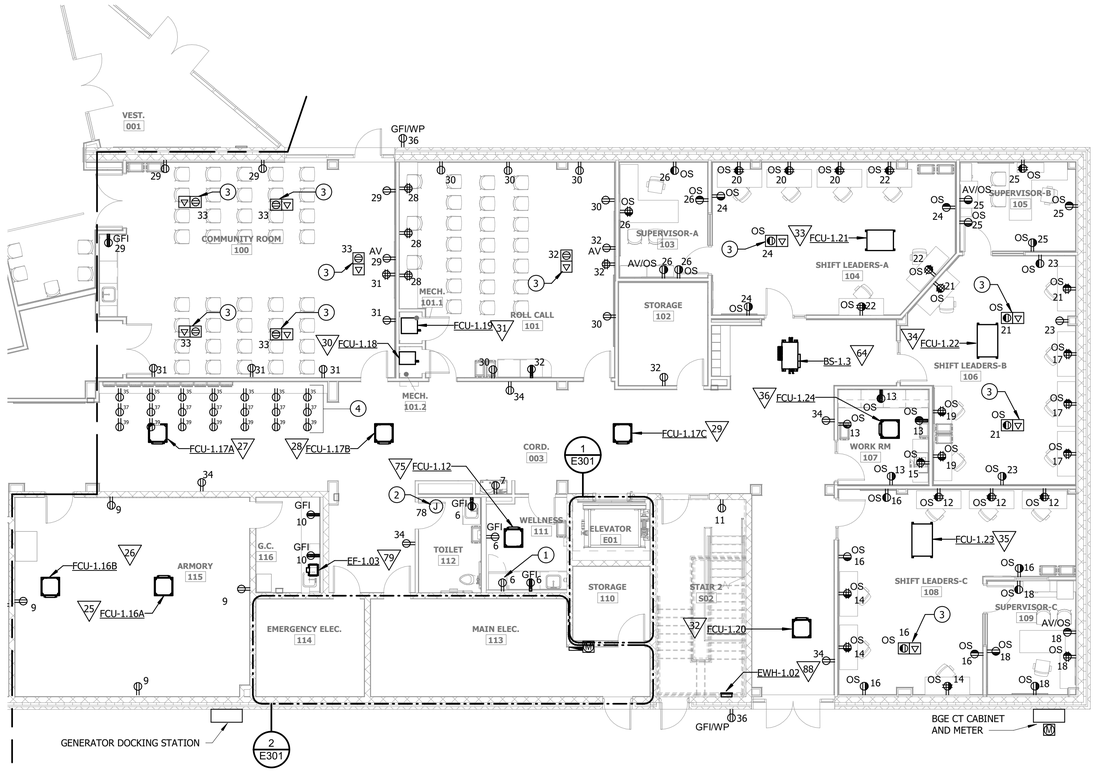
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

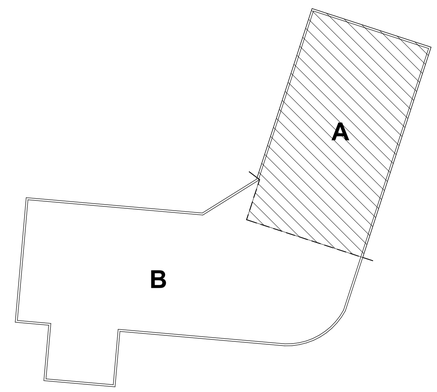
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E204	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 242 OF 302
	DRAWING NUMBER
	2024 – 1555
	FILE NO.: 8



FIRST FLOOR POWER - WING A

SCALE: 1/8" = 1'-0"



KEY PLAN - A

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP1, CIRCUIT ADJACENT DEVICE.
2. ALL FLOOR BOXES ON THIS SHEET SHALL BE FLUSH IN FLOOR TYPE. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECT AND FURNITURE PRIOR TO ROUGH-IN.
3. COORDINATE ALL 'AV' RECEPTACLES HEIGHTS AND LOCATIONS WITH LOW VOLTAGE CONSULTANT PRIOR TO ROUGH-IN.
4. REFER TO LOW VOLTAGE DRAWINGS FOR LOCATIONS OF DATA OUTLETS. WHERE RECEPTACLE AND DATA ARE ADJACENT, PROVIDE A COMBINATION LOW VOLTAGE/LINE VOLTAGE JUNCTION BOX AND COVER PLATE.
5. ALL SWITCHED RECEPTACLES (WITH 'OS' SUBSCRIPT) SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS IN SAME ROOM OR AREA.

DRAWING NOTES

1. CONNECT DOWNSTREAM OF GFI RECEPTACLE ON SAME CIRCUIT.
2. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF REST ROOM SINK AND LAV SENSOR TRANSFORMER. TRANSFORMER PROVIDED BY MECHANICAL. EC SHALL CONNECT TRANSFORMER AND PROVIDE ALL LOW VOLTAGE WIRING DOWN TO PLUMBING FIXTURE SENSORS FOR A COMPLETE SYSTEM. COORDINATE ALL SENSOR LOCATIONS WITH MECHANICAL.
3. PROVIDE FLUSH IN FLOOR COMBINATION FOUR COMPARTMENT BOX RATED FOR INSTALLATION IN CONCRETE (WIREMOLD RFB4 SERIES OR EQUAL). DEVICE SHALL INCLUDE DUPLEX RECEPTACLE AND DATA CONNECTION PORTS (COORDINATE WITH IT). COORDINATE EXACT LOCATIONS WITH OWNER, ARCHITECT AND FURNITURE SUPPLIER PRIOR TO ROUGH-IN OF DEVICE IN CONCRETE FLOOR. EXTEND 1 1/4" EMPTY CONDUIT TO NEAREST WALL AND UP TO CEILING CAVITY FOR ROUTING OF DATA CABLING BACK TO IT ROOM. ROUTE 3/4" CONDUIT TO WALL FOR CONNECTION TO NEXT RECEPTACLE ON SAME CIRCUIT. PROVIDE PULL CORD IN ALL CONDUITS.
4. PROVIDE V4000 SERIES DUAL CHANNEL WIREMOLD WITH DUPLEX RECEPTACLES LOCATED IN WIREMOLD BETWEEN EACH BODY CAM CHARGING STATIONS (2 STATIONS PER RECEPT). LOCATE WIREMOLD RUNS ON FACE OF EACH BODY CAM SHELF END TO END BETWEEN WING WALLS. COORDINATE EXACT LOCATIONS WITH OWNER AND ARCHITECT. COORDINATE LOW VOLTAGE OUTLET LOCATIONS WITH SHEET TA103.

SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\298060 Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL: STATE OF MARYLAND · DAVID J. TWARDZIK · 21621 · PROFESSIONAL ENGINEER

DATE: 7/14/2025 2:35:03 PM

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026							14SW19	PLAN SCALE:	1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER
					R.O.W NO.	GSW	14SW20	PROFILE SCALE:		DATE:
ENGINEER:	DGN BY: KEC	CONTRACT COMPLETION BOX								
	DWN BY: KEC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	CHKD BY: DJT	REVIEWED BY:								
BY: DATE:		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR POWER - WING A

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

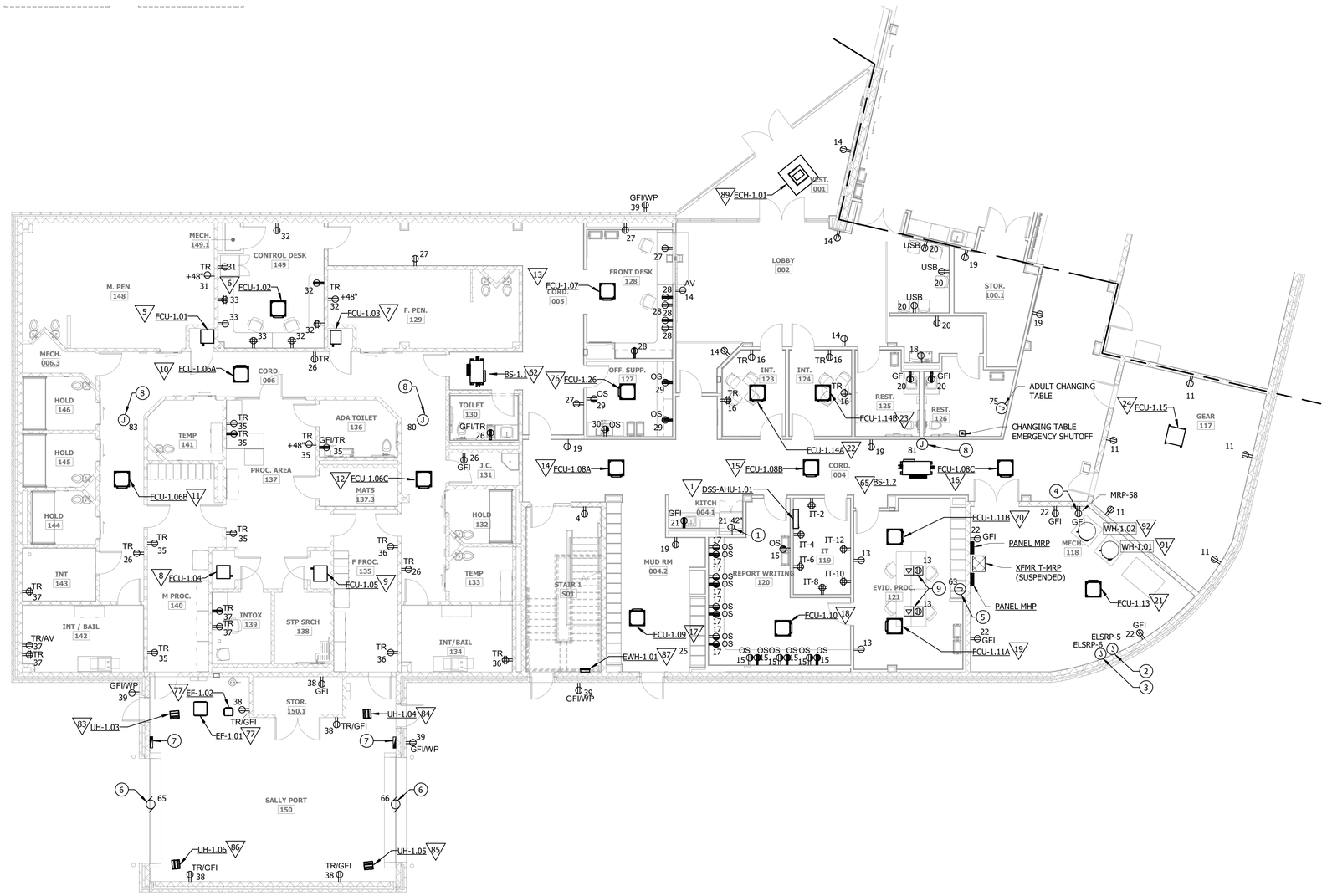
SHEET DESIGNATION	CONTRACT NUMBER
E205	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 243 OF 302
	DRAWING NUMBER
	2024 – 1556
	FILE NO.: 8

GENERAL NOTES

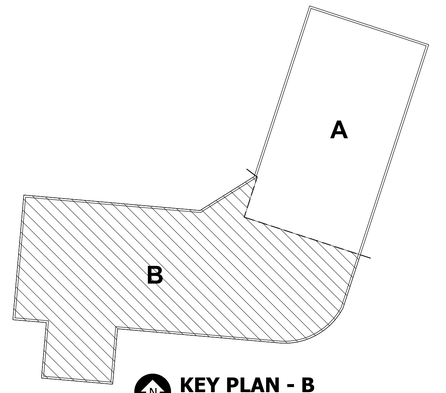
1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP2, CIRCUIT ADJACENT DEVICE.
2. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECT AND FURNITURE PRIOR TO ROUGH-IN.
3. COORDINATE ALL 'AV' RECEPTACLES HEIGHTS AND LOCATIONS WITH LOW VOLTAGE CONSULTANT PRIOR TO ROUGH-IN.
4. REFER TO LOW VOLTAGE DRAWINGS FOR LOCATIONS OF DATA OUTLETS. WHERE RECEPTACLE AND DATA ARE ADJACENT, PROVIDE A COMBINATION LOW VOLTAGE/LINE VOLTAGE JUNCTION BOX AND COVER PLATE.
5. ALL SWITCHED RECEPTACLES (WITH 'OS' SUBSCRIPT) SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS IN SAME ROOM OR AREA.
6. ALL FLOOR BOXES ON THIS SHEET SHALL BE FLUSH IN FLOOR TYPE.
7. ALL DEVICES, BOXES, COVERS, ETC. ACCESSIBLE TO INMATES SHALL BE SECURED TO THE WALL/CEILING WITH TAMPERPROOF HARDWARE.

DRAWING NOTES

1. CONNECT DOWNSTREAM OF GFI RECEPTACLE ON SAME CIRCUIT.
2. FOR PRE-ACTION SYSTEM. REFER TO F/FA SERIES DRAWINGS FOR FINAL LOCATION AND CONNECTION REQUIRMENTS.
3. FOR FIRE PROTECTION SYSTEM AIR COMPRESSOR (1/4HP, 120V/1Ø). PROVIDE A SINGLE POLE THERMAL DISCONENCT SWITCH. REFER TO F/FA SERIES DRAWINGS FOR FINAL LOCATION AND CONNECTION REQUIRMENTS.
4. TRAP PRIMER CONTROL PANEL. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
5. FOR LOCKER INTEGRAL POWER CONNECTION. COORDINATE QUANTITY OF WIRES, BREAKER SIZE, AND CONNECTION WITH APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
6. OVERHEAD DOOR MOTOR (1HP, 208V/3Ø). CONNECT TO GARAGE DOOR CONTROL PANEL PER MANUFACTURER'S REQUIREMENTS.
7. OVERHEAD DOOR MOTOR CONTROL PANEL. COORDINATE FINAL LOCATION IN FIELD PRIOR TO ROUGH-IN. PROVIDE A 3/4" EMPTY CONDUIT WITH PULL STRING TO INTERIOR ACCESSIBLE CEILING FOR REMOTE CONTROLS. COORDINATE WITH OWNER AND LOW VOLTAGE CONSULTANT. PROVIDE ALL ADDITIONAL WIRING/CONDUIT BETWEEN CONTROL PANEL AND DOOR MOTOR AS REQUIRED BY MANUFACTURER.
8. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF REST ROOM SINK AND LAV SENSOR TRANSFORMERS. TRANSFORMERS PROVIDED BY MECHANICAL. EC SHALL CONNECT TRANSFORMER AND PROVIDE ALL LOW VOLTAGE WIRING DOWN TO PLUMBING FIXTURE SENSORS FOR A COMPLETE SYSTEM. COORDINATE ALL SENSOR LOCATIONS WITH MECHANICAL.
9. PROVIDE FLUSH IN FLOOR COMBINATION FOUR COMPARTMENT BOX RATED FOR INSTALLATION IN CONCRETE (WIREMOLD RFB4 SERIES OR EQUAL). DEVICE SHALL INCLUDE DUPLEX RECEPTACLE AND DATA CONNECTION PORTS (COORDINATE WITH IT). COORDINATE EXACT LOCATIONS WITH OWNER, ARCHITECT AND FURNITURE SUPPLIER PRIOR TO ROUGH-IN OF DEVICE IN CONCRETE FLOOR. EXTEND 1 1/4" EMPTY CONDUIT TO NEAREST WALL AND UP TO CEILING CAVITY FOR ROUTING OF DATA CABLING BACK TO IT ROOM. ROUTE 3/4" CONDUIT TO WALL FOR CONNECTION TO NEXT RECEPTACLE ON SAME CIRCUIT. PROVIDE PULL CORD IN ALL CONDUITS.



FIRST FLOOR POWER - WING B
SCALE: 1/8" = 1'-0"



KEY PLAN - B
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

C:\Users\mscott\Documents\289691-Wilkens Police Precinct-Central-R21_mscottRSPQP.rvt
DWG. FILENAME:

SEAL: STATE OF MARYLAND — DALTON J. TWARDUS — 51627 — PROFESSIONAL ENGINEER — 7/14/2025
DATE: 7/14/2025 2:35:06 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627 EXPIRATION DATE 12/06/2026
ENGINEER:
AS-BUILT PER RECORD PRINT
BY:
DATE:

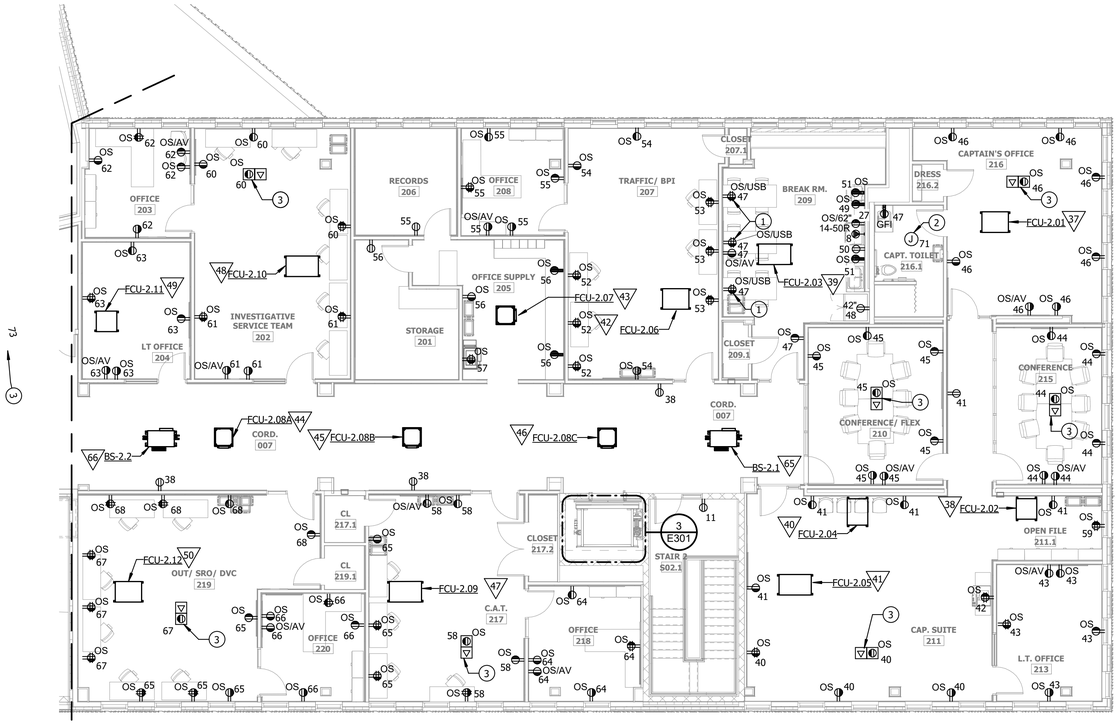
DGN BY: KEC
DWN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT
CONTRACT COMPLETION BOX | R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: 1/8" = 1'-0" | APPROVED BY:
14SW20 | PROFILE SCALE: | PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER
REVIEWED BY:
DATE REVIEWED:

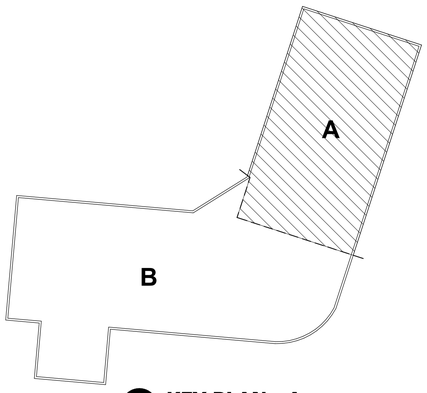
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
FIRST FLOOR POWER - WING B
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E206	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 244 OF 302
	DRAWING NUMBER
	2024 – 1557
	FILE NO.: 8



SECOND FLOOR POWER - WING A

SCALE: 1/8" = 1'-0"



KEY PLAN - A

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

8 0 8 16

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP1, CIRCUIT ADJACENT DEVICE.
2. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECT AND FURNITURE PRIOR TO ROUGH-IN.
3. COORDINATE ALL 'AV' RECEPTACLES HEIGHTS AND LOCATIONS WITH LOW VOLTAGE CONSULTANT PRIOR TO ROUGH-IN.
4. REFER TO LOW VOLTAGE DRAWINGS FOR LOCATIONS OF DATA OUTLETS. WHERE RECEPTACLE AND DATA ARE ADJACENT, PROVIDE A COMBINATION LOW VOLTAGE/LINE VOLTAGE JUNCTION BOX AND COVER PLATE.
5. ALL SWITCHED RECEPTACLES (WITH 'OS' SUBSCRIPT) SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS IN SAME ROOM OR AREA.
6. ALL FLOOR BOXES ON THIS SHEET SHALL BE POKE-THRU TYPE.

DRAWING NOTES

1. ONE OCCUPANCY SENSOR CONTROLLED RECEPTACLE (WHOLE DEVICE SWTICHED) & ONE USB TYPE RECEPTACLE (UNSWITCHED).
2. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF REST ROOM SINK AND LAV SENSOR TRANSFORMERS. TRANSFORMERS PROVIDED BY MECHANICAL. EC SHALL CONNECT TRANSFORMER AND PROVIDE ALL LOW VOLTAGE WIRING DOWN TO PLUMBING FIXTURE SENSORS FOR A COMPLETE SYSTEM. COORDINATE ALL SENSOR LOCATIONS WITH MECHANICAL.
3. PROVIDE FLUSH IN FLOOR POKE THROUGH DEVICE. DEVICE SHALL INCLUDE DUPLEX RECEPTACLE AND DATA CONNECTION PORTS (COORDINATE WITH IT). COORDINATE EXACT LOCATIONS WITH OWNER, ARCHITECT AND FURNITURE SUPPLIER PRIOR TO CORE DRILLING CONCRETE FLOOR. EXTEND 1 1/4" EMPTY CONDUIT TO NEAREST WALL AND UP TO CEILING CAVITY FOR ROUTING OF DATA CABLING BACK TO IT ROOM. PROVIDE PULL CORD IN EMPTY CONDUIT.

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL: STATE OF MARYLAND · DANION J. TWARDUP · 51627 · PROFESSIONAL ENGINEER

DATE: 7/14/2025 2:35:10 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026

ENGINEER:

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KEC
DRN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

R.O.W NO. | GSW | 14SW19 | PLAN SCALE: 1/8" = 1'-0" | APPROVED BY: PROPERTY MANAGER
14SW20 | PROFILE SCALE: | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:
DATE REVIEWED:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR POWER - WING A

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

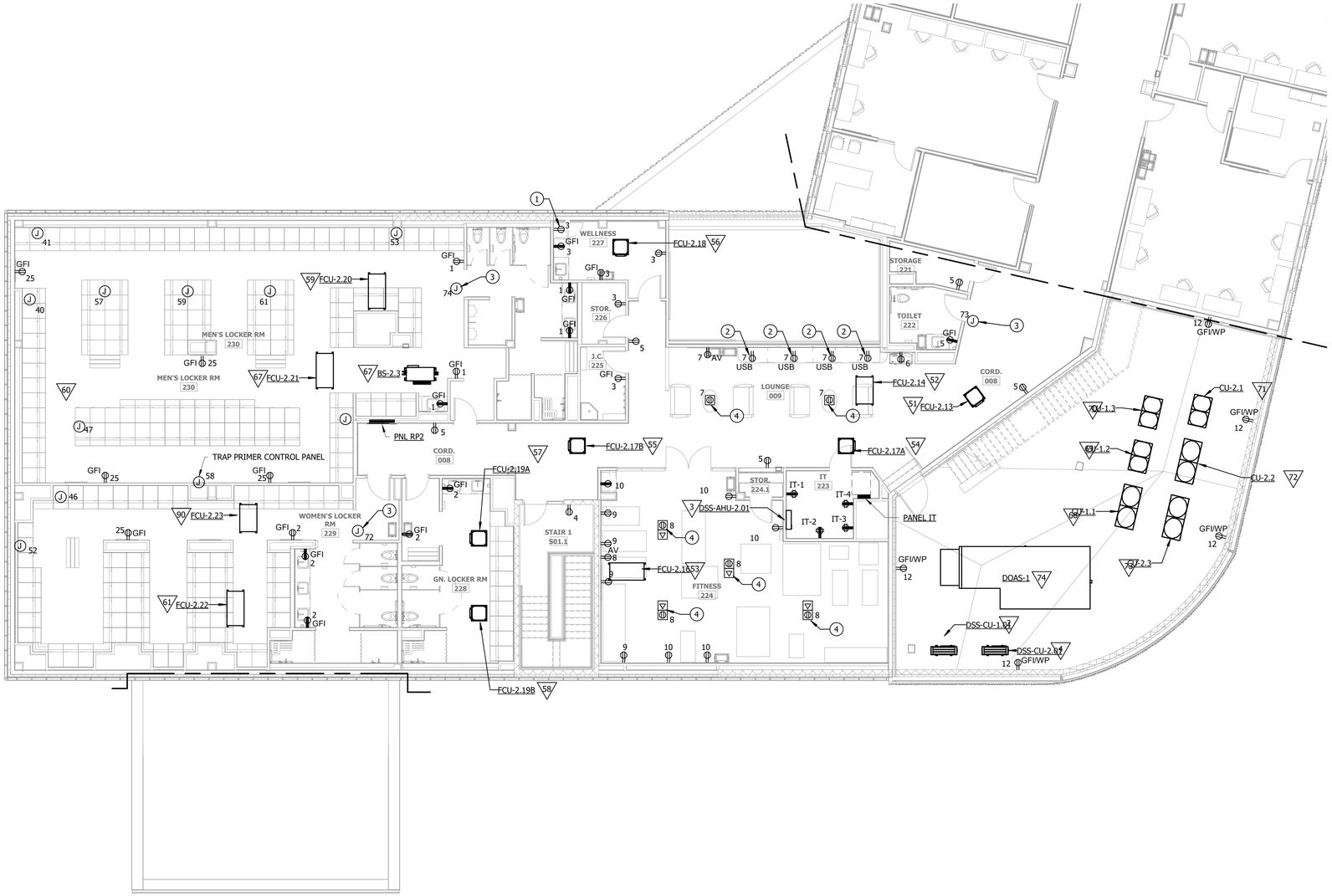
SHEET DESIGNATION	CONTRACT NUMBER
E207	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 245 OF 302	
DRAWING NUMBER	2024 – 1558
FILE NO.: 8	

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP2, CIRCUIT ADJACENT DEVICE.
2. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECT AND FURNITURE PRIOR TO ROUGH-IN.
3. COORDINATE ALL 'AV' RECEPTACLES HEIGHTS AND LOCATIONS WITH LOW VOLTAGE CONSULTANT PRIOR TO ROUGH-IN.
4. REFER TO LOW VOLTAGE DRAWINGS FOR LOCATIONS OF DATA OUTLETS. WHERE RECEPTACLE AND DATA ARE ADJACENT, PROVIDE A COMBINATION LOW VOLTAGE/LINE VOLTAGE JUNCTION BOX AND COVER PLATE.
5. ALL SWITCHED RECEPTACLES (WITH 'OS' SUBSCRIPT) SHALL BE CONTROLLED BY LOCAL LIGHTING CONTROLS IN SAME ROOM OR AREA.
6. ALL DEVICES, BOXES, COVERS, ETC. ACCESSIBLE TO INMATES SHALL BE SECURED TO THE WALL/CEILING WITH TAMPERPROOF HARDWARE.
7. ALL FLOOR BOXES ON THIS SHEET SHALL BE POKE-THRU TYPE.

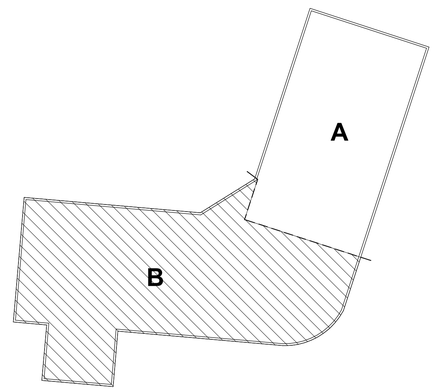
DRAWING NOTES

1. CONNECT DOWNSTREAM OF GFI RECEPTACLE ON SAME CIRCUIT.
2. POP UP DUPLEX TAMPER RESISTANT RECEPTLE WITH INTEGRAL (1) USB A AND (1) USB C OUTLET, LEW ELECTRIC PUFP-CT-SS-AC-PB, OR EQUAL. PROVIDE HARWIRED CONNECTION PER MANUFACTUER REQUIREMENT.
3. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF REST ROOM SINK AND LAV SENSOR TRANSFORMERS. TRANSFORMERS PROVIDED BY MECHANICAL. EC SHALL CONNECT TRANSFORMER AND PROVIDE ALL LOW VOLTAGE WIRING DOWN TO PLUMBING FIXTURE SENSORS FOR A COMPLETE SYSTEM. COORDINATE ALL SENSOR LOCATIONS WITH MECHANICAL.
4. PROVIDE FLUSH IN FLOOR POKE THROUGH DEVICE. DEVICE SHALL INCLUDE DUPLEX RECEPTACLE AND DATA CONNECTION PORTS (COORDINATE WITH IT). COORDINATE EXACT LOCATIONS WITH OWNER, ARCHITECT AND FURNITURE SUPPLIER PRIOR TO CORE DRILLING CONCRETE FLOOR. EXTEND 1 1/4" EMPTY CONDUIT TO NEAREST WALL AND UP TO CEILING CAVITY FOR ROUTING OF DATA CABLING BACK TO IT ROOM. PROVIDE PULL CORD IN EMPTY CONDUIT.



SECOND FLOOR POWER - WING B

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

8 0 8 16

C:\Users\mscott\Documents\280901-Wilkens Police Precinct-Central-R2L_mscottR85PQP.rvt

DWG. FILENAME:

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND DALTON J. TWARDUS 51627 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627 EXPIRATION DATE 12/06/2026						14SW19	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER
7/14/2025	ENGINEER:	CONTRACT COMPLETION BOX			R.O.W NO.	GSW	14SW20	PROFILE SCALE:	DATE:
DATE: 7/14/2025 2:35:13 PM	AS-BUILT PER RECORD PRINT BY: DATE:	DGN BY: KEC DRN BY: KEC CHKD BY: DJT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
		DATE REVIEWED:	REVIEWED BY:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR POWER - WING B

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

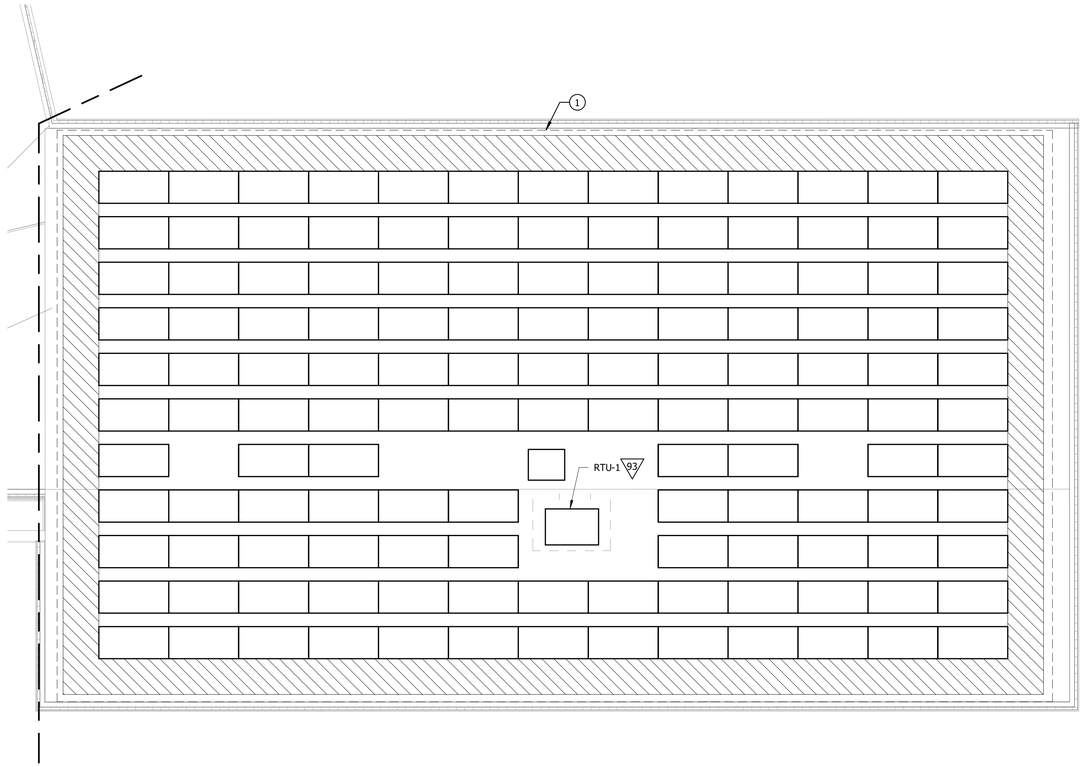
SHEET DESIGNATION	CONTRACT NUMBER
E208	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 246 OF 302
	DRAWING NUMBER
	2024 - 1559
	FILE NO.: 8

GENERAL NOTES

1. AREAS INTENTIALLY LEFT EMPTY WITHOUT PV MODULES ARE DEDICATED TO ROOF DRAINS, MECHANICAL EQUIPMENT, ETC. COORDINATE FINAL LOCATION OF PV MODULES IN FIELD PRIOR TO ROUGH-IN.

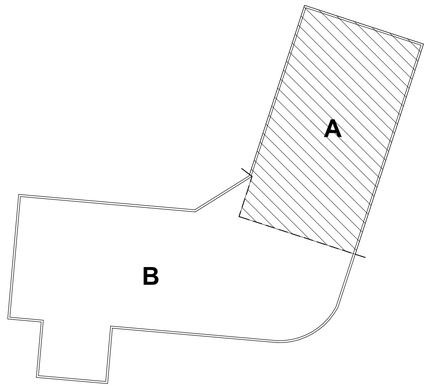
DRAWING NOTES

(1) AREA OF PHOTOVOLTAICS. APPROXIMATELY 133 MODULES, 71.82KW TOTAL POWER. PROVIDE ALL COMPONENTS OF A PHOTOVOLTAIC SYSTEMS FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



ROOF PLAN - ELECTRICAL - WING A

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

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SEAL: STATE OF MARYLAND · DALTON J. TWARDOFF · 21627 · PROFESSIONAL ENGINEER · 7/14/2025

DATE : 7/14/2025 2:35:14 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026.

ENGINEER:

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY:	KEC
DRN BY:	KEC
CHKD BY:	DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: 1/8" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF PLAN - ELECTRICAL - WING A

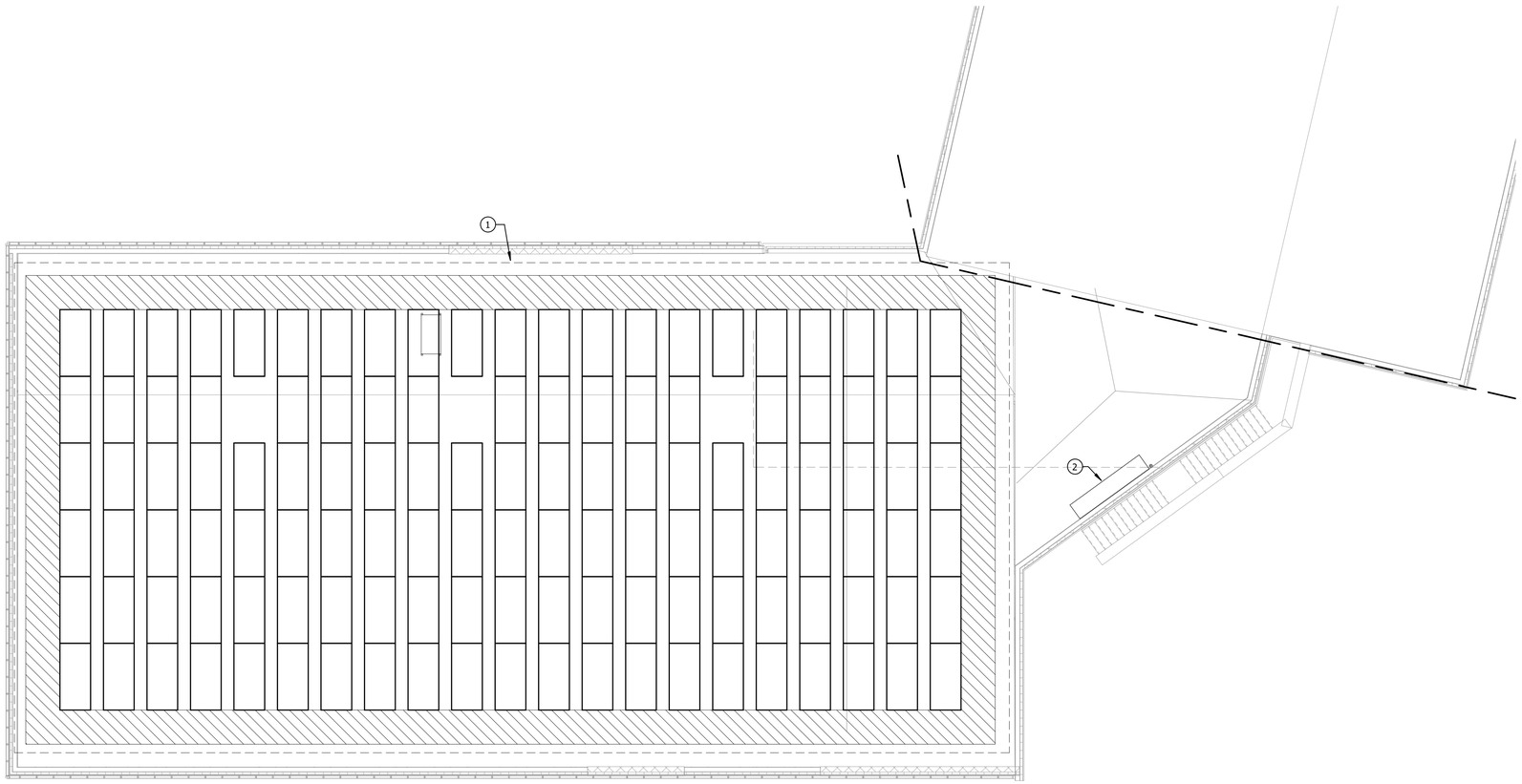
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E209	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 247 OF 302	
DRAWING NUMBER	2024 – 1560
FILE NO.: 8	REV. 0



ROOF PLAN - ELECTRICAL - WING B

SCALE: 1/8" = 1'-0"

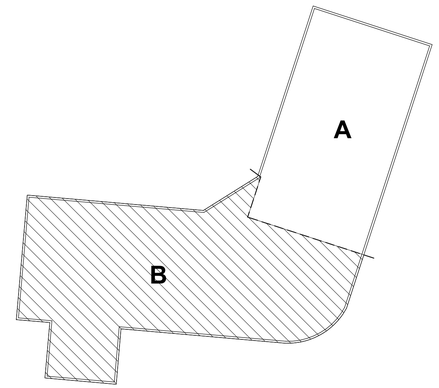
GENERAL NOTES

1. AREAS INTENTIALLY LEFT EMPTY WITHOUT PV MODULES ARE DEDICATED TO ROOF DRAINS, MECHANICAL EQUIPMENT, ETC. COORDINATE FINAL LOCATION OF PV MODULES IN FIELD PRIOR TO ROUGH-IN.

DRAWING NOTES

(1) AREA OF PHOTOVOLTAICS. APPROXIMATELY 123 MODULES, 66.42KW TOTAL POWER. PROVIDE ALL COMPONENTS OF A PHOTOVOLTAIC SYSTEMS FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(2) APPROXIMATE LOCATION OF DISCONNECT, INVERTOR & COMBINER BOX. COORDINATE EXAT LOCATION WITH PV PLANS PRIOR TO ROUGH-IN. PROVIDE KINDORF RACKING AS REQUIRED FOR COMPLETE INSTALLATION.



SCALE: 1/8" = 1'-0"

8 0 8 16

DWG. FILENAME: C:\Users\mscott\Documents\289601-Wilkens Police Precinct-Central-R21_mscottRBPQP.rvt

SEAL: STATE OF MARYLAND · DALTON J. TWARDUS · 21621 · PROFESSIONAL ENGINEER · 7/14/2025

DATE : 7/14/2025 2:35:14 PM

PROFESSIONAL CERTIFICATION

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ENGINEER:

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KEC

DWN BY: KEC

CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ROOF PLAN - ELECTRICAL - WING B

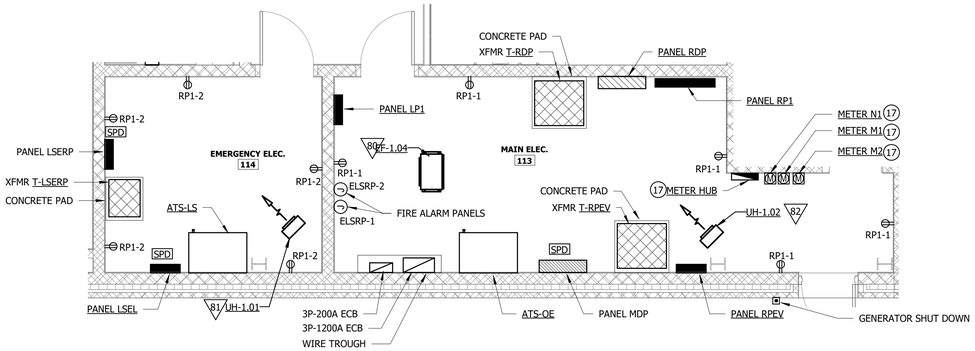
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

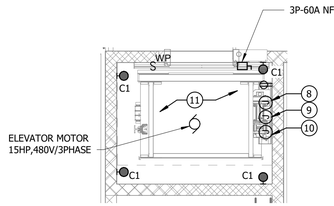
SHEET DESIGNATION	CONTRACT NUMBER
E210	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 248 OF 302
	DRAWING NUMBER
	2024 – 1561
	FILE NO.: 8



PART PLAN - MAIN AND EMERGENCY ELECTRIC ROOMS

2 / E301

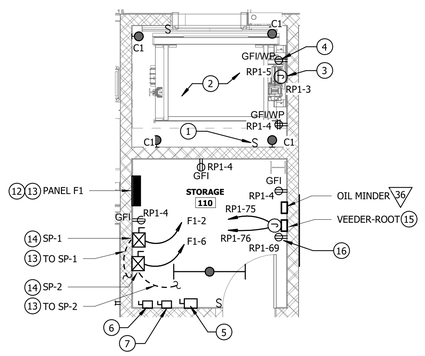
SCALE: 1/4" = 1'-0"



PART PLAN - ELEVATOR TOP OF SHAFT

3 / E301

SCALE: 1/4" = 1'-0"



PART PLAN - ELEVATOR MACHINE ROOM AND PIT

1 / E301

SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL ELEVATOR FEEDER CONDUCTORS SHALL BE COPPER ONLY, PER MANUFACTURERS REQUIREMENTS.
2. ALL EXPOSED AND/OR SURFACE MOUNTED CONDUIT IN ELEVATOR PIT (AS WELL AS WIRING IN SUCH CONDUIT) SHALL BE SUITABLE FOR WET LOCATIONS. ALL DEVICES MARKED AS WEATHERPROOF SHALL HAVE WEATHERPROOF COVERS.
3. COORDINATE ALL ELEVATOR CAB LIGHTING, CAB PHONE, AND FIRE ALARM CONNECTION REQUIREMENTS WITH ELEVATOR VENDOR PRIOR TO ROUGH-INS.
4. ALL PENETRATIONS OF ELEVATOR SHAFT AND CONTROL ROOM WALLS SHALL BE SEALED WITH FIRESTOP SEALANT.
5. ALL LIGHTING IN ELEVATOR SHAFT, PIT AND MACHINE ROOMS SHALL BE CONNECTED AHEAD OF ANY GFCI PROTECTION.
6. COORDINATE ALL PIT/SHAFT DEVICES INCLUDING SWITCHES, OUTLETS, WITH PIT LADDERS, ELEVATOR BEAMS, TRAVEL CABLES, ETC.
7. PER SPEC SECTION 26 05 19, ALL WIRING FOR MOTOR FUEL DISPENSING FACILITY SHALL BE MARKED "GASOLINE AND OIL RESISTANT", 600V, 90C. PROVIDE STRANDED OR SOLID PER SPEC, OR AS REQUIRED BY MANUFACTURER OF EQUIPMENT SERVED.

DRAWING NOTES

1. SWITCH SHALL CONTROL LIGHTS IN PIT ONLY.
2. MOUNT LIGHTS TO PROVIDE A MINIMUM OF 19FC IN MACHINE SPACE. MOUNT LIGHTS VERTICALLY AT 4' ABOVE PIT FLOOR LANDING TO CENTER OF FIXTURE.
3. FOR ELEVATOR SUMP PUMP. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR/ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
4. FOR ELEVATOR SUMP PUMP CONTROLLER. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR/ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
5. PROVIDE 3P-100A FSS (F@100A) IN NEMA 1 ENCLOSURE FOR ELEVATOR MOTOR WITH EXTERNAL HANDLE DISCONNECT LOCKABLE IN OFF POSITION ONLY. PROVIDE ENGRAVED PHENOLIC LABEL INDICATING "ELEVATOR MAIN DISCONNECT".
6. PROVIDE 1P-30A FSS (F @ 15A) IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTING CIRCUIT. CONNECT TO ELEVATOR CONTROLLER PER MANUFACTURER'S REQUIREMENTS. LABEL AS "ELEVATOR CAB LIGHTS".
7. PROVIDE 1P-30A FSS (F @ 15A) IN NEMA 1 ENCLOSURE FOR ELEVATOR COMMUNICATION SYSTEM DEVICE. CONNECT TO ASSOCIATED ELEVATOR CONTROLLER PER MANUFACTURER'S REQUIREMENTS. LABEL AS "ELEVATOR SYSTEM COMMUNICATION DEVICE".
8. FOR ELEVATOR CAB LIGHTING TRAVELING CABLE CONNECTION. COORDINATE LOCATION WITH ELEVATOR INSTALLER.
9. FOR ELEVATOR TELEPHONE TRAVELING CABLE CONNECTION. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
10. FOR ELEVATOR COMMUNICATION DEVICE. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
11. ALL DEVICES AND EQUIPMENT IN THIS PLAN SHALL BE LOCATED AT OR NEAR TOP OF SHAFT FOR MACHINE SPACE. COORDINATE LOCATIONS AND/OR MOUNTING HEIGHTS WITH ELEVATOR MANUFACTURER PRIOR TO ROUGH-IN. MOUNT LIGHTS VERTICALLY 2' BELOW TOP OF SHAFT TO PROVIDE A MINIMUM OF 19FC IN MACHINE SPACE.
12. COMBINATION DISPENSER CIRCUIT MANAGER/PANELBOARD WITH NEMA 1 ENCLOSURE. PROVIDE CIRCUIT FOR LVDD/CONTROL POWER AS REQUIRED BY MANUFACTURER AND CONNECT TO BREAKER FOR CONTROL WIRING. REFER TO PANEL SCHEDULE AND TYPICAL DISPENSER CIRCUIT MANAGER CONTROL WIRING DETAIL FOR ADDITIONAL INFORMATION. PER GENERAL NOTE #*, PROVIDE SEAL AT EACH CONDUIT ENTERING AND LEAVING DCM.
13. PER NEC 514.8, PROVIDE SEAL ON EACH END OF CONDUIT RUNS ASSOCIATED WITH THIS EQUIPMENT WITHIN 10' OF EMERGENCE ABOVE GRADE. NO UNIONS, COUPLINGS, BOXES OR FITTINGS ARE PERMITTED BETWEEN THE SEAL AND POINT OF EMERGENCE ABOVE GRADE. REFER TO GENERAL NOTE #5 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
14. NEMA 0 COMBINATION STARTER/2P-30A FSS (F@10A) WITH NEMA 1 ENCLOSURE. PROVIDE (1) 1"C. TO LOW VOLTAGE PULLBOX IN DISPENSER FOR CONTROLS, WITH CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS.
15. TANK MONITORING SYSTEM (PROVIDED BY MECHANICAL). INSTALL PER MANUFACTURER'S REQUIREMENTS. COORDINATE LOCATION AND MOUNTING HEIGHT IN FIELD WITH OWNER. POWER WIRING, INTRINSICALLY SAFE CONTOL WIRING SHALL BE INSTALLED IN SEPARATE CONDUITS AND ROUTED DIRECTLY INTO ASSOCIATED SECTION OF TANK MONITORING SYSTEM. FOR EACH DISPENSER, (2) 1"C. TO DCM LOW VOLTAGE PULLBOX AT FUEL ISLAND FOR CONTROLS (AND CONDUIT FROM PULLBOX TO DISPENSERS AS INDICATED BY DRAWING NOTE #18 ON SHEET E100) AND (1) 1"C. TO DCM LOW VOLTAGE PULLBOX FOR CONNECTION TO FUEL MANAGMENT SYSTEM. PROVIDE ALL NECESSARY CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. IN ADDITION, PROVIDE QTY OF 3/4"C. TO ABOVE GROUND GASOLINE TANK AS REQUIRED BY MECHANICAL FOR TANK PROBES AND SENSORS, WITH INTRINSICALLY SAFE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. FOR TANK PROBES AND SENSORS, INSTALL SEAL, THEN WP/EXPLOSION PROOF JUNCTION BOX WITH GASKETED COVER JUST OUTSIDE OF TANK OPENING. PROVIDE TANK MONITORING SYSTEM LOW VOLTAGE PULLBOX AS NECESSARY TO ALLOW CONDUIT CONNECTION TO MONITORING SYSTEM, WITH PARTITION FOR SEPARATION OF INTRINSICALLY SAFE AND NON-INTRINSICALLY SAFE WIRING.
16. FOR TMS AND ASSOCIATED EQUIPMENT. COORDINATE MOUNTING HEIGHT AND LOCATION WITH OWNER. FOR TELECOM OUTLET, PROVIDE 4"X4"X2-1/8"D DEVICE BOX WITH SINGLE GANG DEVICE RING AND 1" C. TO ACCESSIBLE CEILING SPACE.
17. ASHRAE 90.1 REQUIRED ENERGYMONITORING EQUIPMENT. REFER TO SHEET E-502 FOR ADDITIONAL INFORMATION.

SCALE: 1/4" = 1'-0"

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DWG. FILENAME:

SEAL: STATE OF MARYLAND · DAVON J. TYWARDUS · 21621 · PROFESSIONAL ENGINEER

7/14/2025

DATE : 7/14/2025 2:35:17 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: KEC
DRN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: 1/4" = 1'-0"

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PART PLANS - ELECTRICAL

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E301	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 249 OF 302	
DRAWING NUMBER	2024 – 1562
FILE NO.: 8	REV. 07/25

FEEDER SCHEDULE

#	FROM	TO	# SETS	WIRE			CONDUITS	COMMENTS
				QTY	SIZE (ø,N)	GND		
1	CT CABINET	WIRE TROUGH	4	4	#500MCM	-	(5) 4"	ROUTED BELOW SLAB AND/OR GRADE; (1) SPARE CONDUIT
2	WIRE TROUGH	3P-1200A ECB	4	4	#500MCM	#3/0	(4) 4"	
3	3P-1200A ECB (TROUGH)	ATS-OE	4	4	#500MCM	#3/0	(4) 4"	
4	3P-1200A ECB (GENERATOR)	ATS-OE	4	4	#500MCM	#3/0	(4) 4"	
5	ATS-OE	PANEL MDP	4	4	#500MCM	#3/0	(4) 4"	
6	WIRE TROUGH	3P-250AF/125AT ECB	1	4	#1	#6	1-1/2"	
7	3P-250AF/125AT ECB (TROUGH)	ATS-LS	1	4	#1	#6	1-1/2"	
8	3P-250AF/125AT ECB (GENERATOR)	DOCKING STATION	1	4	#1	#6	1-1/2"	
9	DOCKING STATION	ATS-LS	1	4	#1	#6	1-1/2"	
10	ATS-LS	PANEL LSEL	1	4	#1	#6	1-1/2"	
11	XFMR T-LSERP	PANEL LSERP	1	4	#6	#8	1"	
12	XFMR T-RDP	PANEL RDP	2	4	#500MCM	#1/0	(2) 4"	
13	XFMR T-RPEV	PANEL RPEV	2	4	#3/0	#4	(2) 2-1/2"	
14	XFMR T-MRP	PANEL MRP	1	4	#250MCM	#2	2-1/2"	

TRANSFORMER SCHEDULE

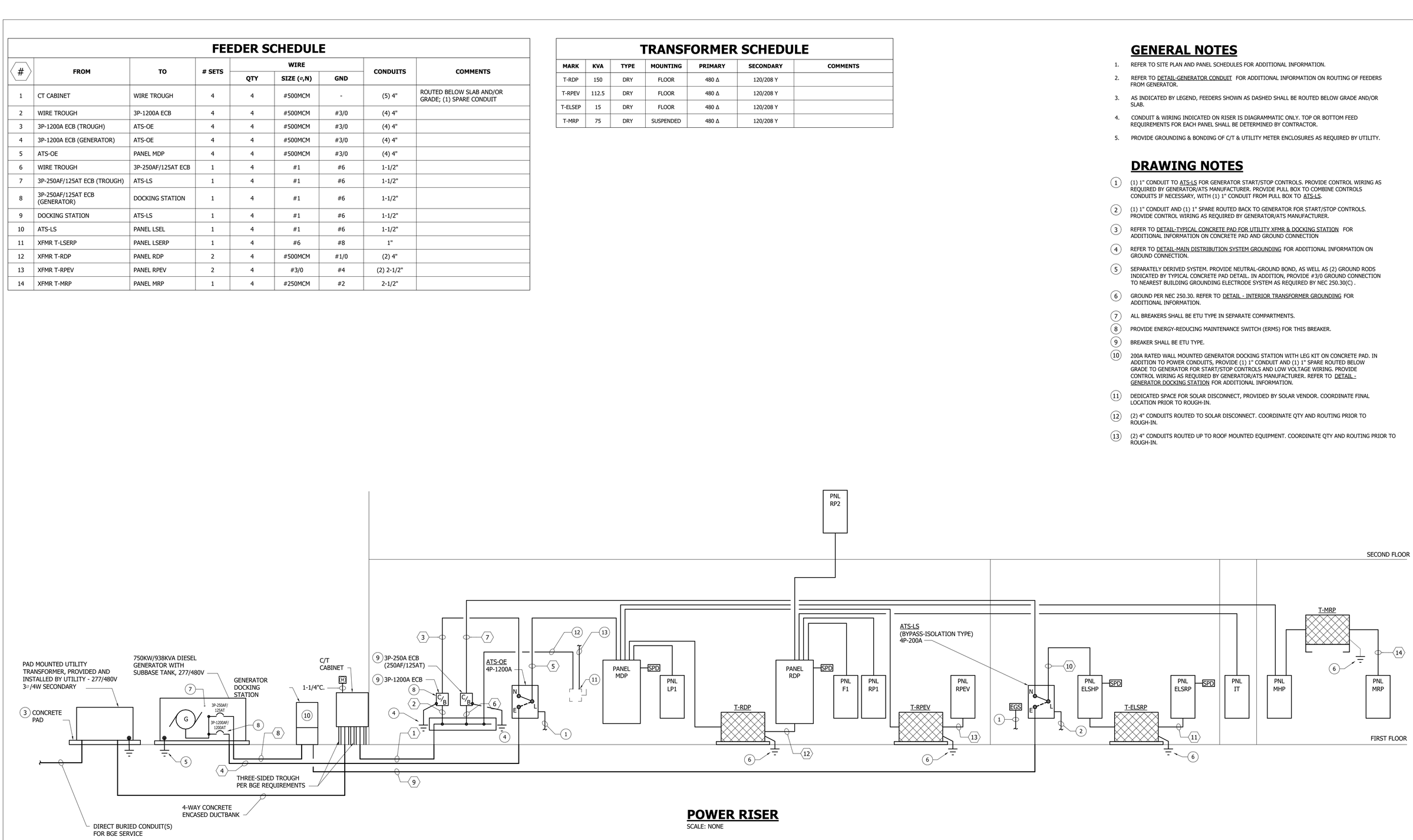
MARK	KVA	TYPE	MOUNTING	PRIMARY	SECONDARY	COMMENTS
T-RDP	150	DRY	FLOOR	480 Δ	120/208 Y	
T-RPEV	112.5	DRY	FLOOR	480 Δ	120/208 Y	
T-ELSEP	15	DRY	FLOOR	480 Δ	120/208 Y	
T-MRP	75	DRY	SUSPENDED	480 Δ	120/208 Y	

GENERAL NOTES

1. REFER TO SITE PLAN AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO DETAIL-GENERATOR CONDUIT FOR ADDITIONAL INFORMATION ON ROUTING OF FEEDERS FROM GENERATOR.
3. AS INDICATED BY LEGEND, FEEDERS SHOWN AS DASHED SHALL BE ROUTED BELOW GRADE AND/OR SLAB.
4. CONDUIT & WIRING INDICATED ON RISER IS DIAGRAMMATIC ONLY. TOP OR BOTTOM FEED REQUIREMENTS FOR EACH PANEL SHALL BE DETERMINED BY CONTRACTOR.
5. PROVIDE GROUNDING & BONDING OF C/T & UTILITY METER ENCLOSURES AS REQUIRED BY UTILITY.

DRAWING NOTES

1. (1) 1" CONDUIT TO ATS-LS FOR GENERATOR START/STOP CONTROLS. PROVIDE CONTROL WIRING AS REQUIRED BY GENERATOR/ATS MANUFACTURER. PROVIDE PULL BOX TO COMBINE CONTROLS CONDUITS IF NECESSARY, WITH (1) 1" CONDUIT FROM PULL BOX TO ATS-LS.
2. (1) 1" CONDUIT AND (1) 1" SPARE ROUTED BACK TO GENERATOR FOR START/STOP CONTROLS. PROVIDE CONTROL WIRING AS REQUIRED BY GENERATOR/ATS MANUFACTURER.
3. REFER TO DETAIL-TYPICAL CONCRETE PAD FOR UTILITY XFMR & DOCKING STATION FOR ADDITIONAL INFORMATION ON CONCRETE PAD AND GROUND CONNECTION
4. REFER TO DETAIL-MAIN DISTRIBUTION SYSTEM GROUNDING FOR ADDITIONAL INFORMATION ON GROUND CONNECTION.
5. SEPARATELY DERIVED SYSTEM. PROVIDE NEUTRAL-GROUND BOND, AS WELL AS (2) GROUND RODS INDICATED BY TYPICAL CONCRETE PAD DETAIL. IN ADDITION, PROVIDE #3/0 GROUND CONNECTION TO NEAREST BUILDING GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC 250.30(C) .
6. GROUND PER NEC 250.30. REFER TO DETAIL - INTERIOR TRANSFORMER GROUNDING FOR ADDITIONAL INFORMATION.
7. ALL BREAKERS SHALL BE ETU TYPE IN SEPARATE COMPARTMENTS.
8. PROVIDE ENERGY-REDUCING MAINTENANCE SWITCH (ERMS) FOR THIS BREAKER.
9. BREAKER SHALL BE ETU TYPE.
10. 200A RATED WALL MOUNTED GENERATOR DOCKING STATION WITH LEG KIT ON CONCRETE PAD. IN ADDITION TO POWER CONDUITS, PROVIDE (1) 1" CONDUIT AND (1) 1" SPARE ROUTED BELOW GRADE TO GENERATOR FOR START/STOP CONTROLS AND LOW VOLTAGE WIRING. PROVIDE CONTROL WIRING AS REQUIRED BY GENERATOR/ATS MANUFACTURER. REFER TO DETAIL - GENERATOR DOCKING STATION FOR ADDITIONAL INFORMATION.
11. DEDICATED SPACE FOR SOLAR DISCONNECT, PROVIDED BY SOLAR VENDOR. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN.
12. (2) 4" CONDUITS ROUTED TO SOLAR DISCONNECT. COORDINATE QTY AND ROUTING PRIOR TO ROUGH-IN.
13. (2) 4" CONDUITS ROUTED UP TO ROOF MOUNTED EQUIPMENT. COORDINATE QTY AND ROUTING PRIOR TO ROUGH-IN.



POWER RISER

SCALE: NONE

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottRHQP.rvt

SEAL: STATE OF MARYLAND · DALTON J. TWARDUS · 21412 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE : 7/14/2025 2:35:17 PM

DGN BY:	KEC
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CHKD BY:	DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER | DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL POWER RISER DIAGRAM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E501	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 250 OF 302	
DRAWING NUMBER	2024 – 1563
FILE NO.: 8	REV. 0.0.00

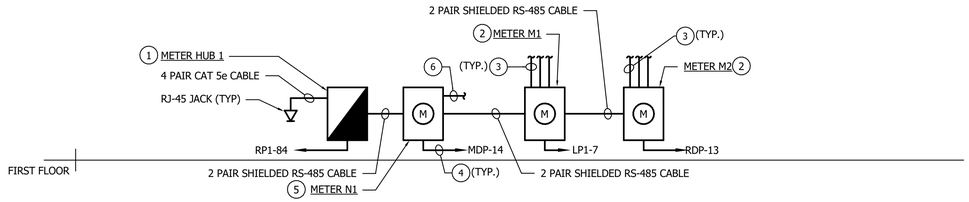
BALTIMORE COUNTY MARYLAND

GENERAL NOTES:

1. METER RISER REPRESENTS ASHRAE 90.1 REQUIRED ENERGY MONOTORING EQUIPMENT, NOT RELATED TO BUILDING SERVICE METERING OR BILLING.
2. PROVIDE EXECUTIVE REPORTING (BMOSW-EXE, BMOSW-TR1) AND TECHNICAL SUPPORT SERVICE PLAN (BMOSW-LTP) AS WELL AS AN ON SITE IN-PERSON TRAINING SESSION FOR THE LEVITON VERIFEYE SYSTEM.

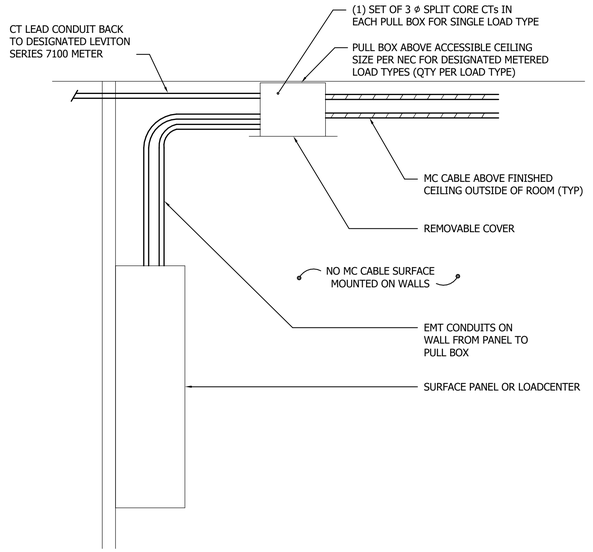
DRAWING NOTES:

1. LEVITON EMB HUB IN NEMA 4X ENCLOSURE (MODEL A8810-PS1) FOR DATA NETWORK COMMUNICATION.
2. LEVITON SERIES 7100 METER IN NEMA 1 ENCLOSURE (MODEL 71D48-000) TO MONITOR DESIGNATED LOADS IN EACH PANEL VIA SPLIT CORE CTs. REFER TO DETAIL - CT CONNECTIONS/MC CABLE CONNECTIONS @ PANELBOARD FOR ADDITIONAL INFORMATION.
3. 3ø SPLIT CORE CT LEADS (MODEL CTV01-K21, CTV02-K21 & CTV04-K40) (QTY PER METER CT SCHEDULE SCHEDULE) TO DESIGNATED PANELBOARD.
4. METER POWER/REFERENCE VOLTAGE CIRCUIT. CONNECT TO INDICATED PANEL.
5. LEVITON SERIES 4000 METER IN NEMA 4X ENCLOSURE (MODEL 40UMR-R24) TO MONITOR MDP TOTAL LOAD.
6. CONNECT 24" ROGOWSKI COIL CTs (MODEL CRV50-KC2) TO PANEL MDP.



METER RISER

SCALE: NONE



DETAIL - CT CONNECTIONS/MC CABLE CONNECTIONS @ PANELBOARD

NOT TO SCALE

NOTE:
1. DESIGNATED LOAD TYPES FOR EACH PANEL ARE AS FOLLOWS: HVAC, INTERIOR LIGHTING, EXTERIOR LIGHTING & RECEPTACLE CIRCUITS. NOT EVERY PANEL WILL CONTAIN EACH LOAD TYPE, REFER TO METER CT SCHEDULES FOR THIS INFORMATION.
2. PROVIDE A SINGLE PULL BOX FOR EACH DESIGNATED LOAD TYPE AT EACH PANELBOARD. REFER TO METER CT SCHEDULES FOR REQUIRED QUANTITY OF PULL BOXES AT EACH PANELBOARD.
3. EACH LOAD TYPE PER METER CT SCHEDULES SHALL BE SEPARATED WITHIN THE PULL BOX BY THE CONNECTED PHASE WITHIN THE PANEL FOR A SINGLE 3ø SET OF SPLIT CORE CTs TO MONITOR THE 3ø LOAD OF EACH DESIGNATED LOAD TYPE.
4. THE MAXIMUM CT LEAD LENGTH IS 300' FROM METER TO PANELBOARD PULL BOX.
5. WHERE PANEL CONTAINS ONLY ONE LOAD TYPE, CTs AROUND PANEL FEEDERS IS ACCEPTABLE IN LIEU OF HAVING CTs IN THE PULL BOX.
5. WHERE CTs ARE TO METER PANEL FEEDER, ENSURE CTs ARE LARGE ENOUGH FOR INCREASED WIRE SIZE DUE TO VOLTAGE DROP. PROVIDE LARGER CTs IF REQUIRED.

SEAL: STATE OF MARYLAND — DYLAN J. TWIGGS — 31621 — PROFESSIONAL ENGINEER — 7/14/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: 7/14/2025 2:35:17 PM

DGN BY:	KEC
DWN BY:	KEC
CHKD BY:	DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER | DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL METER RISER DIAGRAMS

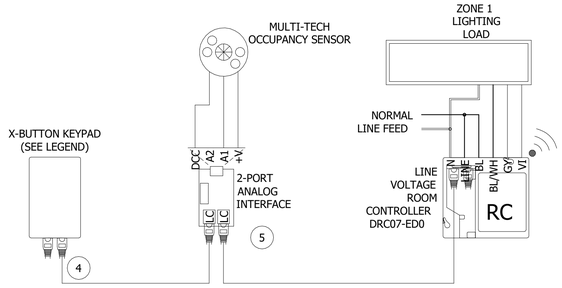
NEW BUILDING DESIGN

SUBDIVISION: WILKENS | 901 Walker Ave Catonsville, Maryland, 21228 | ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E502	24111 PPO
JOB ORDER NUMBER	300200006
SHEET	251 OF 302
DRAWING NUMBER	2024 – 1564
FILE NO.:	8

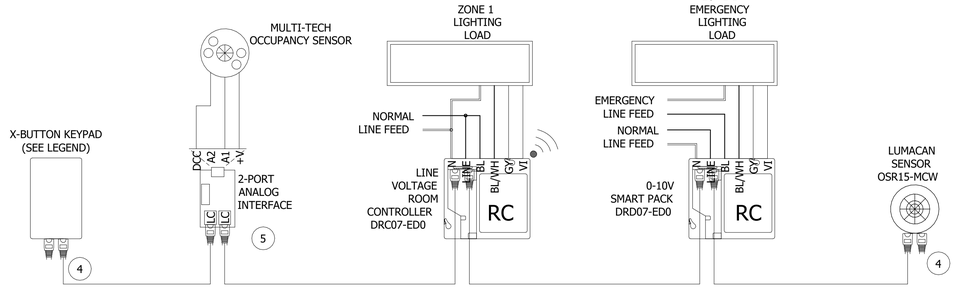
BALTIMORE COUNTY MARYLAND

DWG. FILENAME: C:\Users\mscott\Documents\296001 Wilkens Police Precinct Central\E2_mscott8879.dwt



DETAIL- SINGLE ZONE CONTROL WITH OCCUPANCY

SCALE: NONE



DETAIL- SINGLE/MULTI ZONE CONTROL WITH OCCUPANCY PLUS DAYLIGHTING AND EMERGENCY (AS REQUIRED)

SCALE: NONE

NOTES:

1. SMART PACK, SENSORS, AND PHASE CONTROL DIMMER QUANTITY PER CONTROL ZONE REQUIREMENTS.
2. RECEPTACLES TO BE WIRED AS SPLIT OR WHOLE CONTROLLED, CODE DEPENDENT. DIAGRAM SHOWS WHOLE CONTROL.
3. OSR05-ICW USED FOR DAYLIGHTING CONTROL. PROVIDE AS REQUIRED PER DAYLIGHTING ZONE.
4. TERMINATE EACH END OF A LUMACAN NETWORK.
5. DEVICES MOUNTED ATOP A 4x4 SQUARE BOX COVER.
6. REFER TO PRODUCT LITERATURE (DATA SHEETS, INSTALLATION MANUALS, ETC.) FOR MORE INFORMATION.

WIRE RUN KEY:

- LUMACAN
- 0-10V FIXTURE CONTROL, VIO
- 0-10V FIXTURE CONTROL, GRY
- LOW VOLTAGE +24VDC
- LOW VOLTAGE DCC
- LOW VOLTAGE SIG
- LINE VOLTAGE, LINE
- LINE VOLTAGE, LOAD
- LINE VOLTAGE, NEU

KEYPAD
LEGEND

ENGRAVING:
1-,2-,and 4-button Keypad buttons can be engraved with a single symbol OR a maximum of 8 characters including spaces. 8-button Keypad buttons can be engraved with a single symbol OR a maximum of 4 characters including spaces.

1 BUTTON STATION
DRKDN-C1x

2 BUTTON STATION
DRKDN-C2x

4 BUTTON STATION
DRKDN-C4x

8 BUTTON STATION
DRKDN-C8x

C:\Users\mscott\Documents\289601-Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

DWG. FILENAME:

SEAL: STATE OF MARYLAND — DALTON J. TWARDUS — 31622 — PROFESSIONAL ENGINEER — 7/14/2025

DATE: 7/14/2025 2:35:17 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO: _____ EXPIRATION DATE: _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT
BY: _____
DATE: _____

DGN BY: KEC
DWN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: 12" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER | DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL DETAILS

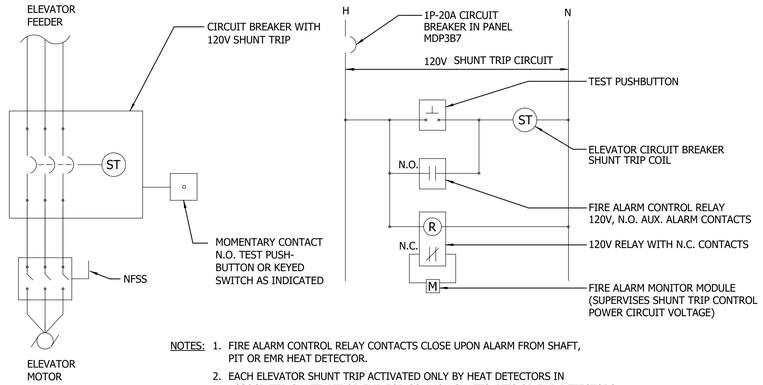
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

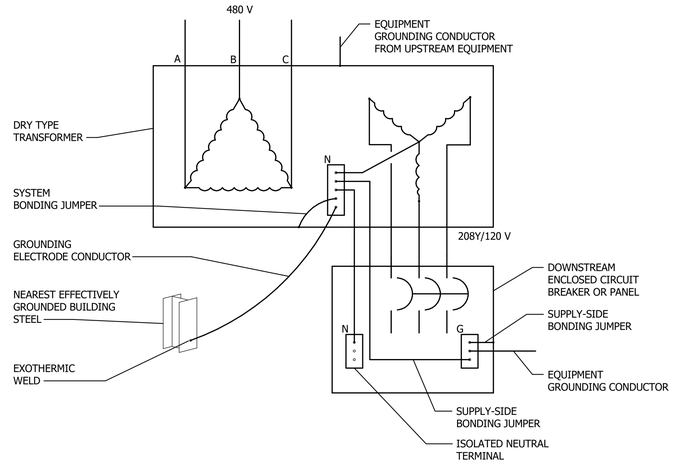
SHEET DESIGNATION	CONTRACT NUMBER
E601	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 252 OF 302	
DRAWING NUMBER	2024 – 1565
FILE NO.: 8	REV. 00/16



NOTES:
1. FIRE ALARM CONTROL RELAY CONTACTS CLOSE UPON ALARM FROM SHAFT, PIT OR EMR HEAT DETECTOR.
2. EACH ELEVATOR SHUNT TRIP ACTIVATED ONLY BY HEAT DETECTORS IN ASSOCIATED SHAFT, PIT OR EMR FOR COMMON SHAFTS, PITS OR EMR DETECTORS SHALL SHUT OFF POWER TO ALL ELEVATORS.
3. COORDINATE HEAT DETECTOR LOCATIONS WITHIN 18" OF SPRINKLER HEADS
4. LOSS OF SHUNT TRIP CIRCUIT VOLTAGE CAUSES SUPERVISORY SIGNAL IN FIRE ALARM SYSTEM.

DETAIL - ELEVATOR SHUNT TRIP

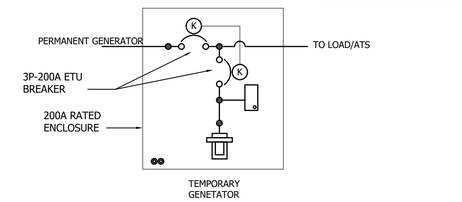
NOT TO SCALE



DETAIL - INTERIOR TRANSFORMER GROUNDING

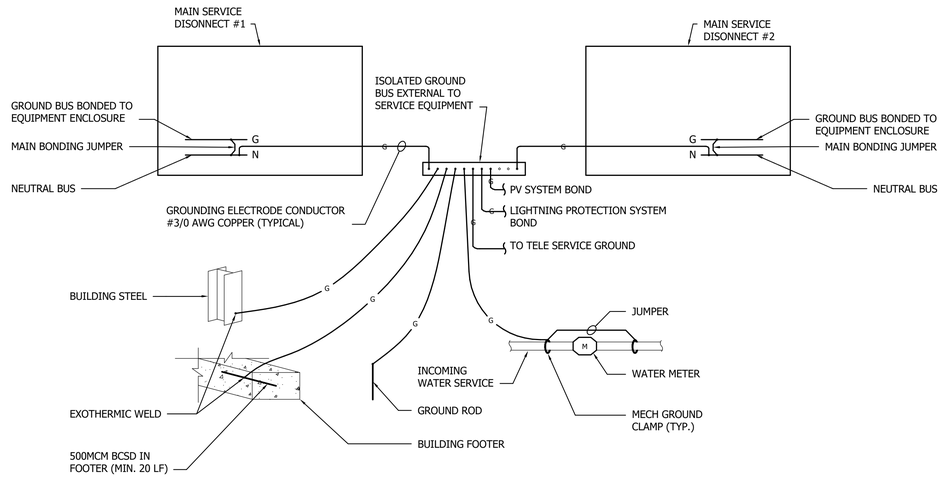
NO SCALE

NOTES:
1. DETAIL ABOVE APPLIES TO INTERIOR TRANSFORMERS THAT ARE SEPARATELY DERIVED SYSTEMS.



DETAIL - GENERATOR DOCKING STATION

NOT TO SCALE



DETAIL - MAIN DISTRIBUTION SYSTEM GROUNDING

NO SCALE

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottRBNQP.rvt

SEAL: STATE OF MARYLAND · DALTON J. TWARDUS · 31412525 · #1621 · PROFESSIONAL ENGINEER

DATE : 7/14/2025 2:35:17 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026.

ENGINEER:

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY:	KEC
DWN BY:	KEC
CHKD BY:	DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL DETAILS

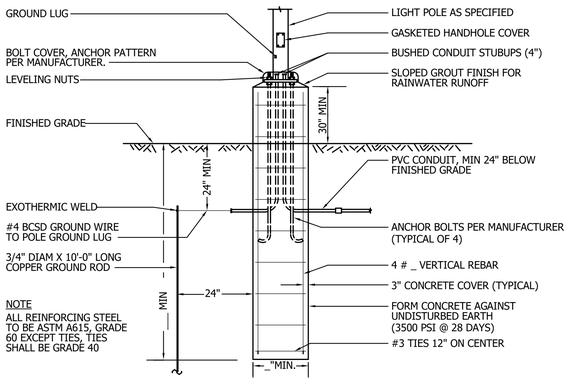
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E602	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 253 OF 302
	DRAWING NUMBER
	2024 – 1566
	FILE NO.: 8

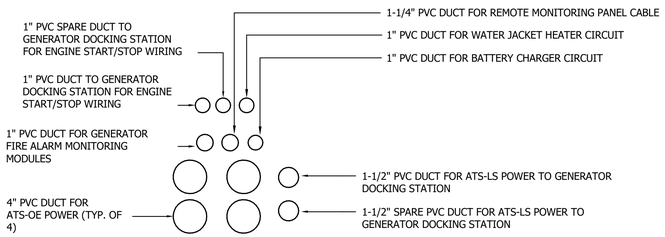


NOTE: CONTRACTOR SHALL COORDINATE EXACT LOCATION OF POLE BASE, GROUND ROD & CONDUIT WITH EXISTING UNDERGROUND ITEMS.

DETERMINE EXACT POLE LOCATION BASED ON EXISTING UNDERGROUND EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING DIGGING.

DETAIL - POLE BASE & FOUNDATION

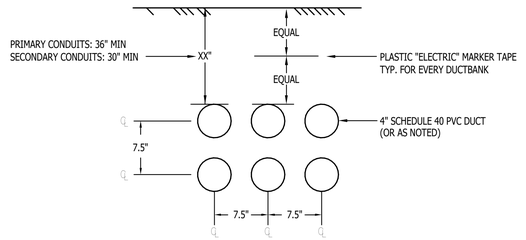
NOT TO SCALE



DETAIL - GENERATOR CONDUIT

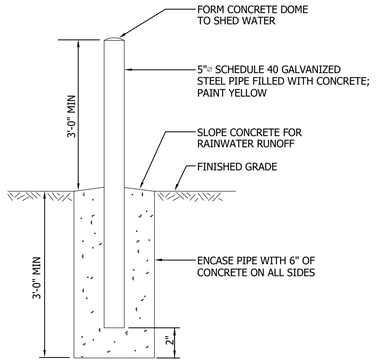
NOT TO SCALE

NOTE: DETAIL REPRESENTS CONDUITS AT GENERATOR, ROUTING DETERMINED BY CONTRACTOR. REFER TO SITE PLAN AND POWER RISER FOR ADDITIONAL INFORMATION.



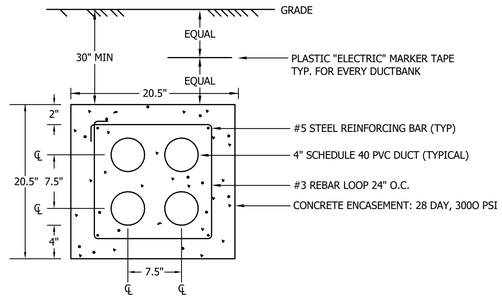
DETAIL - DIRECT BURIED CONDUIT TYPICAL CONSTRUCTION DETAILS

NOT TO SCALE



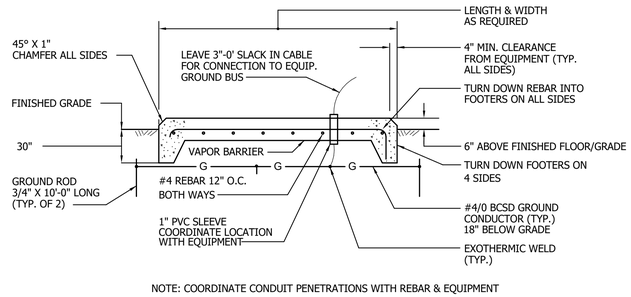
DETAIL - BOLLARD

NOT TO SCALE



DETAIL - 4-WAY DUCTBANK

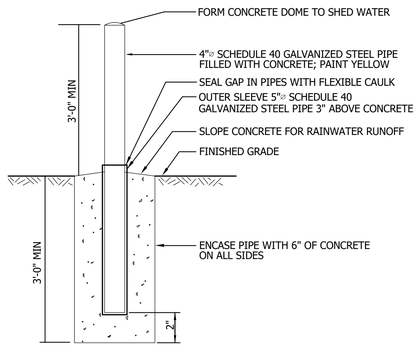
NOT TO SCALE



NOTE: COORDINATE CONDUIT PENETRATIONS WITH REBAR & EQUIPMENT

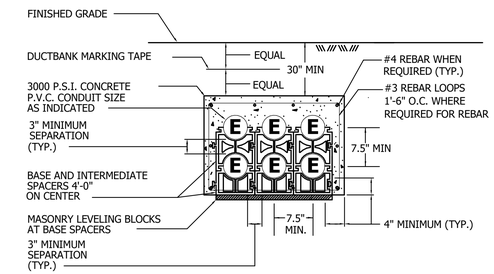
DETAIL - TYPICAL CONCRETE PAD FOR UTILITY XFMR & DOCKING STATION

NOT TO SCALE



DETAIL - REMOVABLE BOLLARD

NOT TO SCALE



DETAIL - CONCRETE ENCASED DUCTBANK TYPICAL CONSTRUCTION DETAILS

NOT TO SCALE

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL: STATE OF MARYLAND · DANTON J. TWARDUP · 21627 · PROFESSIONAL ENGINEER · 7/14/2025

DATE: 7/14/2025 2:35:18 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE 12/06/2026			
ENGINEER:	CONTRACT COMPLETION BOX		
AS-BUILT PER RECORD PRINT			
BY: DATE:			

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: KEC	DRN BY: KEC	CHKD BY: DJT

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL DETAILS

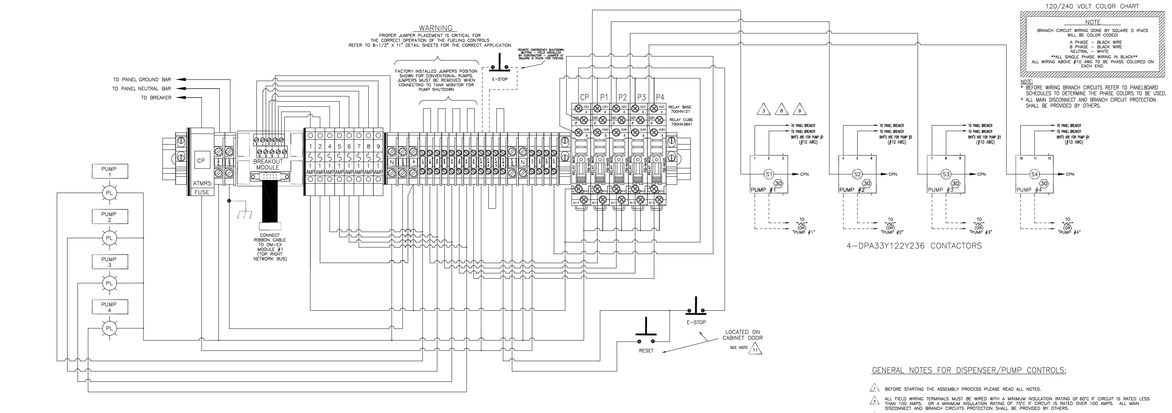
NEW BUILDING DESIGN

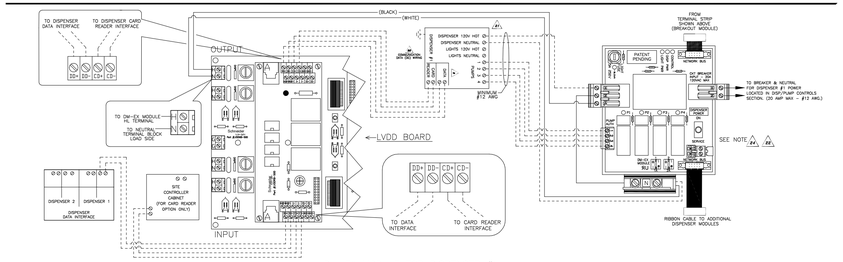
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E603	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 254 OF 302
	DRAWING NUMBER
	2024 – 1567
	FILE NO.: 8





DM-EX MODULE FOR DISPENSER #1
****** TYPICAL OF ALL DISPENSERS. ******

GENERAL NOTES FOR DISPENSER/PUMP CONTROLS:

1. BEFORE STARTING THE ASSEMBLY PROCESS PLEASE READ ALL NOTES.
2. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 80°C IF CIRCUIT IS RATED LESS THAN 100 AMPS. OR A MINIMUM INSULATION RATING OF 75°C IF CIRCUIT IS RATED OVER 100 AMPS. ALL MAIN DISCONNECT AND BRANCH CIRCUITS PROTECTION SHALL BE PROVIDED BY OTHERS.
3. WHEN CONTROLLED LOAD IS A MOTOR, CIRCUITS MUST HAVE THERMAL PROTECTION INTEGRAL TO MOTOR OR PROVIDED BY OTHERS.
4. THIS DRAWING CONTAINS ALL THE FACTORY WIRING REQUIRED TO ASSEMBLE THESE CONTROLS. FOR A COMPLETE EXAMPLE OF ALL FIELD WIRING TO THESE CONTROLS PLEASE SEE THE DETAIL DRAWINGS IN THIS SET.
5. THE WIRE GAUGE USED TO ASSEMBLE THESE CONTROLS VARIES THROUGHOUT. TO DETERMINE WHAT SIZE THAT SHOULD BE USED PLEASE CHECK THE AMPERAGE OF THE CIRCUIT CONTROLLING THESE COMPONENTS. THE AMPERAGE CAN BE OBTAINED FROM THE PANELBOARD SCHEDULES DRAWING LOCATED IN THIS SET.
6. N/A
7. WHEN VARIABLE SPEED CONTROLLERS ARE FIELD INSTALLED, THE PLACEMENT OF THE EQUIPMENT SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR.
8. N/A
9. THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER. ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY, THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
10. THE PILOT LIGHTS SHOWN ON THIS DRAWING ARE TO VISUALLY VERIFY THE OPERATION OF EACH PUMP. ALL PILOT LIGHTS SHOWN SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP CONTROLS SECTION.
11. THE MOMENTARY SWITCHES FOR "FUEL SHUTDOWN" AND "FUEL RESET" SHOWN ON THIS DRAWING SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP SECTION.

DISPENSER FIELD WIRING

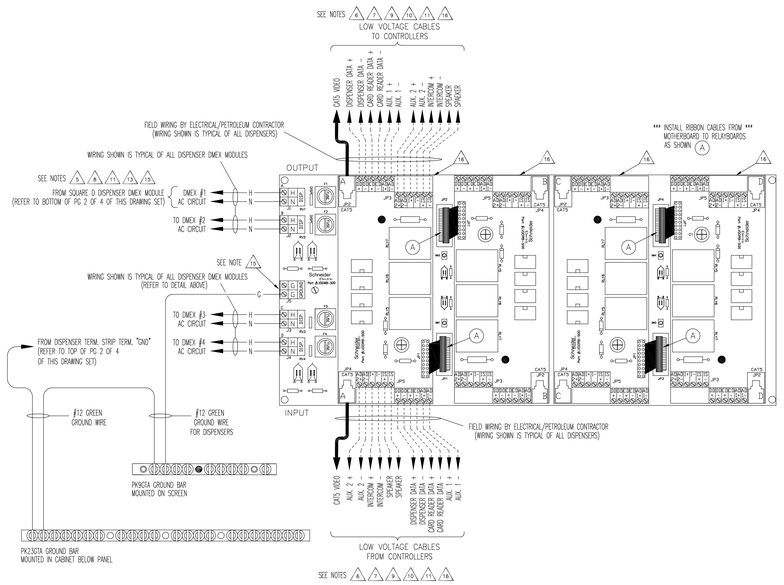
NOTES:

6. WIRING IS TYPICAL OF ALL DISPENSERS. GROUND CONDUCTOR (#12 AWG) MUST ALSO BE RUN FROM EACH DISPENSER TO THE GROUND BAR OF THE DISPENSER/PUMP CONTROL PANEL.
7. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURERS REQUIREMENTS.
8. SEE DISPENSER INSTALLATION DIAGRAMS FOR TERMINATION LABELING.
9. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C.
10. FACTORY INSTALLED "REMOTE OFF" JUMPERS ON DM-EX MODULES MUST REMAIN IN PLACE DURING NORMAL OPERATION. REMOVING THIS JUMPER AND WIRING INTO A "FAIL SENSOR" SYSTEM PROVIDES INDIVIDUAL SHUTDOWN OF EACH DISPENSER.
11. THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY 2 CONDUCTORS (NORMALLY SHIELDED CABLE) ARE REQUIRED WHEN CARD READERS ARE USED IN THE DISPENSERS.

GENERAL NOTES FOR THE LOW VOLTAGE DISPENSER DISCONNECT:

1. BEFORE STARTING THE INSTALLATION PROCESS PLEASE READ ALL NOTES AND LOW VOLTAGE DISPENSER DISCONNECT INSTRUCTION BULLETIN.
2. Omit
3. AS SOME SYSTEMS HAVE BOOTING SEQUENCES WHEN STARTING. THE "LVDD" SHOULD BE ENERGIZED AND THEN BRING UP DEVICES ASSOCIATED WITH THE "LVDD" AS PER THEIR MANUFACTURERS INSTRUCTIONS. ALSO CAREFULLY READ LVDD INSTRUCTION BULLETIN SECTION 5 – PRE-ENERGIZING CHECKOUT PROCEDURE AND SECTION 6 – ENERGIZING THE LVDD.
4. ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA 70. PLEASE NOTE: DATA, VIDEO, AND INTERCOM ARE CONSIDERED CLASS 1 CIRCUITS.
5. POWER WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
6. DATA WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
7. INTERCOM WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
8. THE DISPENSER "AC" POWER IS FROM EITHER THE ASSOCIATED DISPENSER CIRCUIT BREAKER –OR– THE REMOTE INDIVIDUAL SHUTDOWN TERMINAL ON THE SQUARE D IPaCS DMEX FOR EACH "LVDD" MOTHER BOARD (AS SHOWN AT LEFT). ALSO CARFULLY READ LVDD INSTRUCTION BULLETIN SECTIONS "ELECTRICAL INSTALLATION", "CABLE PULLING" AND "CABLE TERMINATIONS".
9. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURERS REQUIREMENTS.
10. THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY (2) CONDUCTORS (NORMALLY SHIELDED CABLE) ARE REQUIRED WHEN CARD READERS ARE USED IN THE DISPENSERS.
11. THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER. ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
12. ALL SOLID LINES (———) REPRESENT FACTORY WIRING.
13. ALL DASHED LINES (- - - - - -) REPRESENT FIELD WIRING.
14. ALL MAIN DISCONNECT & BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.
15. VIDEO MOTHERBOARD (PART #LVDDMB-500). (1) MOTHERBOARD IS USED FOR THIS PARTICULAR PRODUCT. INCOMING POWER/CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.
16. VIDEO RELAYBOARD (PART #LVDDRB-500). (4) RELAYBOARDS ARE USED FOR THIS PARTICULAR PRODUCT. CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.

	MODEL NUMBER USING THIS DWG.	MOTHERBOARD PART #	QTY	RELAYBOARD PART #	QTY
VIDEO	LVDD-V-4	LVDDMB-500	1	LVDDRB-500	4



LVDD-V-4: LOW VOLTAGE DISPENSER DISCONNECT WIRING (VIDEO MODEL WITH (1) MOTHERBOARD)

GENERAL NOTES ABOUT THE DISPENSER CIRCUIT MANAGER: DCM-4D-4P

1 – THE IPaCS DISPENSER CIRCUIT MANAGER (DISPENSER CIRCUIT MANAGER: DCM-4D-4P):
- THIS CONTROL PANEL INCLUDES: ALL SQUARE D PANELBOARDS, BREAKERS, DISPENSER AND SUBMERSIBLE PUMP CONTROLS, PILOT LIGHTS, SWITCHES, TERMINAL STRIPS, LOW VOLTAGE DISPENSER DISCONNECT MOTHERBOARD & RELAYBOARD(S), WHICH ARE PRE-INSTALLED AND INTERNALLY PREWIRED. ALL OF THESE ITEMS ARE INCLUDED BUT HAVE TO BE FIELD CONNECTED BY ELECTRICAL CONTRACTOR.
- THE ENCLOSURE MATERIAL IS 1/8" ALUMINUM.
- THE ENTIRE TOP & BOTTOM OF THE CABINET IS SOLID. HOLES CAN BE KNOCKED OUT FOR CONDUIT ENTRY IN THE TOP AND THE BOTTOM OF THE CABINET.

2 – THE MAIN DISTRIBUTION PANEL, METER CABINET, AND PULL SECTION EQUIPMENT LOCATED OUTSIDE THE BUILDING IS NOT A PART OF THE IPaCS SYSTEM (IF APPLICABLE).

3 – THIS UNIT IS DESIGNED TO PROVIDE COMPLIANCE WITH NFPA 30A, SECTION 6.7 AND NEC SECTIONS 514.11 AND 514.13.

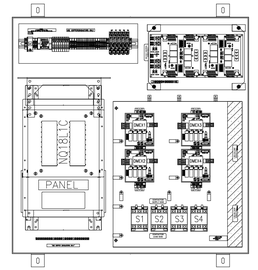
4 – QUESTIONS REGARDING THE OPERATION OR INSTALLATION OF THE IPaCS SYSTEM SHOULD BE DIRECTED TO THE IPaCS – TECHNICAL SERVICE DEPARTMENT AT 1-800-868-9662.

WIRING

LEGEND

IPaCS FACTORY WIRING.

CONTRACTOR FIELD WIRING.



INTERIOR COMPONENT LAYOUT

DETAIL - TYPICAL DISPENSER CIRCUIT MANAGER CONTROL WIRING

NO SCALE

NOTES:

1. THIS SHEET SHOWS A TYPICAL SQUARE D DISPENSER CIRCUIT MANAGER DETAIL, AND APPLIES TO COMBINATION DISPENSER CIRCUIT MANAGER/PANELBOARD F LOCATED IN THE BOOTH OF THE NEW FUEL ISLAND.
2. DETAIL SHOWS TYPICAL CONTROL WIRING ONLY. ACTUAL DISPENSER CIRCUIT MANAGER WIRING AND COMPONENTS SHALL BE BASED ON EQUIPMENT, PANEL & CIRCUITS INDICATED ON DRAWINGS. NOTE THAT THIS TYPICAL DRAWING ONLY SHOWS DMEX/LVDD CONTROLS FOR (4) DISPENSERS, BUT AS NOTED ON DRAWINGS & IN SPECIFICATIONS, DMEX/LVDD CONTROLS SHALL BE PROVIDED FOR A MINIMUM OF (9) DISPENSERS.
3. DISPENSER CIRCUIT MANAGER SHALL PROVIDE FUNCTIONALITY INDICATED ON DRAWINGS.
4. REFER TO E-601 FOR PANEL SCHEDULE ASSOCIATED WITH COMBINATION DISPENSER CIRCUIT MANAGER/PANELBOARD F1.
5. INFORMATION ON THIS SHEET IS A TYPICAL DETAIL PROVIDED BY SQUARE D. ANY REFERENCE TO "BY OWNER" SHALL BE BY CONTRACTOR.

DWG. FILENAME: C:\Users\mscott\Documents\298601 Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL: STATE OF MARYLAND – STEVEN J. TWILLEY – 21621 – PROFESSIONAL ENGINEER – 7/14/2025

DATE: 7/14/2025 2:35:18 PM

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____				R.O.W NO.	GSW	14SW19 14SW20	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: _____ PROPERTY MANAGER DATE: _____
	CONTRACT COMPLETION BOX							

ENGINEER:	DGN BY: KEC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: KEC	REVIEWED BY:							
BY:	CHKD BY: DJT	DATE REVIEWED:							
DATE:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL DETAILS

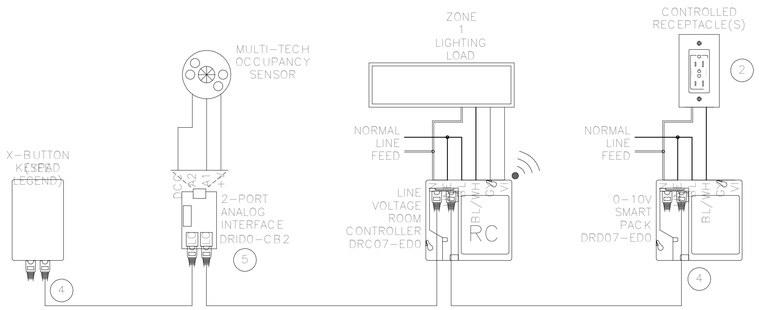
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E604	24111 PPO
JOB ORDER NUMBER	3002000006
SHEET 255 OF 302	
DRAWING NUMBER	2024 – 1568
FILE NO.: 8	REV. 0



NOTES:

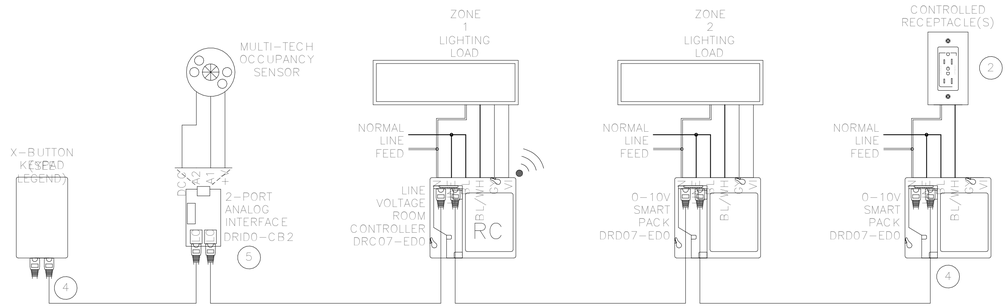
1. SMART PACK, SENSORS, AND PHASE CONTROL DIMMER QUANTITY PER CONTROL ZONE REQUIREMENTS.
2. RECEPTACLES TO BE WIRED AS SPLIT OR WHOLE CONTROLLED, CODE DEPENDENT. DIAGRAM SHOWS WHOLE CONTROL.
3. OSR05-ICW USED FOR DAYLIGHTING CONTROL. PROVIDE AS REQUIRED PER DAYLIGHTING ZONE.
4. TERMINATE EACH END OF A LUMACAN NETWORK.
5. DEVICES MOUNTED ATOP A 4x4 SQUARE BOX COVER.
6. REFER TO PRODUCT LITERATURE (DATA SHEETS, INSTALLATION MANUALS, ETC.) FOR MORE INFORMATION.

WIRE RUN KEY:

- LUMACAN
- 0-10V FIXTURE CONTROL, VIO
- 0-10V FIXTURE CONTROL, GRY
- LOW VOLTAGE +24VDC
- LOW VOLTAGE DCC
- LOW VOLTAGE SIG
- LINE VOLTAGE, LINE
- LINE VOLTAGE, LOAD
- LINE VOLTAGE, NEU

DETAIL- SINGLE ZONE CONTROL WITH OCCUPANCY PLUS PLUG LOAD

SCALE: NONE



KEYPAD LEGEND

ENGRAVING:
1-,2-,and 4-button Keypad buttons can be engraved with a single symbol OR a maximum of 8 characters including spaces. 8-button Keypad buttons can be engraved with a single symbol OR a maximum of 4 characters including spaces.

1 BUTTON STATION DRKDN-C1x	2 BUTTON STATION DRKDN-C2x	4 BUTTON STATION DRKDN-C4x	8 BUTTON STATION DRKDN-C8x

DETAIL- TWO ZONE CONTROL WITH OCCUPANCY PLUS PLUG LOAD (AS REQUIRED)

SCALE: NONE

SEAL: STATE OF MARYLAND · DALTON J. THARDEN · 21621 · PROFESSIONAL ENGINEER

DATE : 7/14/2025 2:35:18 PM

PROFESSIONAL CERTIFICATION									
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____.									
ENGINEER: _____	DGN BY: KEC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	DRN BY: KEC								
AS-BUILT PER RECORD PRINT		REVIEWED BY:							
BY:	CHKD BY: DJT								
DATE:		DATE REVIEWED:							

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE	
PLAN SCALE:	12" = 1'-0"
PROFILE SCALE:	
DATE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRICAL DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E605	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 256 OF 302
	DRAWING NUMBER
	2024 – 1569
	FILE NO.: 8 REV. 07/20

DWG. FILENAME: C:\Users\mscott\Documents\290601-Wilkens Police Precinct-Central-R21_mscottRSVP.rvt

HVAC ELECTRICAL CONNECTION SCHEDULE

#	DESCRIPTION	SIZE	VOLT/ø	STARTER				SEPARATE DISC. SWITCH		FUSE SIZE	THERMAL SWITCH	NEMA ENCL.	CIRCUIT #	EMERG. POWER	COMMENTS	DWG. NO.
				SIZE	HOA	AUX. CONT.	COMB. FUSED SW.	NON FUSED	FUSED							
1	DSS-AHU-1.01	1MCA	208V/1ø								X	1			INDOOR UNIT POWERED FROM OUTDOOR UNIT	E206
2	DSS-CU-1.01	25MCA	208V/1ø					2P-60A				3R	MRP-1			
3	DSS-AHU-2.01	1MCA	208V/1ø								X	1			INDOOR UNIT POWERED FROM OUTDOOR UNIT	E208
4	DSS-CU-2.01	25MCA	208V/1ø					2P-60A				3R	MRP-2			
5	FCU-1.01	4.13MCA	208V/1ø								X	1	MRP-5			E206
6	FCU-1.02	.28MCA	208V/1ø								X	1	MRP-5			E206
7	FCU-1.03	3MCA	208V/1ø								X	1	MRP-5			E206
8	FCU-1.04	4.13MCA	208V/1ø								X	1	MRP-6			E206
9	FCU-1.05	5.63MCA	208V/1ø								X	1	MRP-6			E206
10	FCU-1.06A	.29MCA	208V/1ø								X	1	MRP-9			E206
11	FCU-1.06B	.29MCA	208V/1ø								X	1	MRP-9			E206
12	FCU-1.06C	.29MCA	208V/1ø								X	1	MRP-9			E206
13	FCU-1.07	.35MCA	208V/1ø								X	1	MRP-9			E206
14	FCU-1.08A	.24MCA	208V/1ø								X	1	MRP-9			E206
15	FCU-1.08B	.24MCA	208V/1ø								X	1	MRP-9			E206
16	FCU-1.08C	.24MCA	208V/1ø								X	1	MRP-9			E206
17	FCU-1.09	.28MCA	208V/1ø								X	1	MRP-9			E206
18	FCU-1.10	.29MCA	208V/1ø								X	1	MRP-9			E206
19	FCU-1.11A	.24MCA	208V/1ø								X	1	MRP-10			E206
20	FCU-1.11B	.24MCA	208V/1ø								X	1	MRP-10			E206
21	FCU-1.13	.92MCA	208V/1ø								X	1	MRP-10			E206
22	FCU-1.14A	.28MCA	208V/1ø								X	1	MRP-10			E206
23	FCU-1.14B	.28MCA	208V/1ø								X	1	MRP-10			E206
24	FCU-1.15	2.13MCA	208V/1ø								X	1	MRP-10			E206
25	FCU-1.16A	.28MCA	208V/1ø								X	1	MRP-10			E205
26	FCU-1.16B	.28MCA	208V/1ø								X	1	MRP-10			E205
27	FCU-1.17A	.28MCA	208V/1ø								X	1	MRP-13			E205
28	FCU-1.17B	.28MCA	208V/1ø								X	1	MRP-13			E205
29	FCU-1.17C	.28MCA	208V/1ø								X	1	MRP-13			E205
30	FCU-1.18	3MCA	208V/1ø								X	1	MRP-13			E205
31	FCU-1.19	4.13MCA	208V/1ø								X	1	MRP-13			E205
32	FCU-1.20	.29MCA	208V/1ø								X	1	MRP-13			E205
33	FCU-1.21	2.94MCA	208V/1ø								X	1	MRP-14			E205
34	FCU-1.22	2.88MCA	208V/1ø								X	1	MRP-14			E205
35	FCU-1.23	2.88MCA	208V/1ø								X	1	MRP-14			E205
36	FCU-1.24	.24MCA	208V/1ø								X	1	MRP-14			E301
37	FCU-2.01	2.88MCA	208V/1ø								X	1	MRP-17			E207
38	FCU-2.02	2.88MCA	208V/1ø								X	1	MRP-17			E207
39	FCU-2.03	2.88MCA	208V/1ø								X	1	MRP-17			E207
40	FCU-2.04	2.94MCA	208V/1ø								X	1	MRP-18			E207
41	FCU-2.05	2.7MCA	208V/1ø								X	1	MRP-18			E207
42	FCU-2.06	2.94MCA	208V/1ø								X	1	MRP-18			E207
43	FCU-2.07	.28MCA	208V/1ø								X	1	MRP-21			E207
44	FCU-2.08A	.24MCA	208V/1ø								X	1	MRP-21			E207
45	FCU-2.08B	.24MCA	208V/1ø								X	1	MRP-21			E207
46	FCU-2.08C	.24MCA	208V/1ø								X	1	MRP-21			E207
47	FCU-2.09	2.88MCA	208V/1ø								X	1	MRP-21			E207
48	FCU-2.10	2.88MCA	208V/1ø								X	1	MRP-21			E207
49	FCU-2.11	1.75MCA	208V/1ø								X	1	MRP-21			E207
50	FCU-2.12	2.94MCA	208V/1ø								X	1	MRP-22			E207
51	FCU-2.13	.28MCA	208V/1ø								X	1	MRP-22			E208
52	FCU-2.14	2.88MCA	208V/1ø								X	1	MRP-22			E208
53	FCU-2.16	4.25MCA	208V/1ø								X	1	MRP-22			E208
54	FCU-2.17A	.29MCA	208V/1ø								X	1	MRP-25			E208
55	FCU-2.17B	.29MCA	208V/1ø								X	1	MRP-25			E208

HVAC ELECTRICAL CONNECTION SCHEDULE

#	DESCRIPTION	SIZE	VOLT/ø	STARTER				SEPARATE DISC. SWITCH		FUSE SIZE	THERMAL SWITCH	NEMA ENCL.	CIRCUIT #	EMERG. POWER	COMMENTS	DWG. NO.
				SIZE	HOA	AUX. CONT.	COMB. FUSED SW.	NON FUSED	FUSED							
56	FCU-2.18	.29MCA	208V/1ø								X	1	MRP-25			E208
57	FCU-2.19A	.28MCA	208V/1ø								X	1	MRP-25			E208
58	FCU-2.19B	.28MCA	208V/1ø								X	1	MRP-25			E208
59	FCU-2.20	4.38MCA	208V/1ø								X	1	MRP-25			E208
60	FCU-2.21	4.38MCA	208V/1ø								X	1	MRP-26			E208
61	FCU-2.22	4.25MCA	208V/1ø								X	1	MRP-26			E208
62	BS-1.1	.83MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E206
63	BS-1.2	1.19MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E206
64	BS-1.3	.83MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E205
65	BS-2.1	.83MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E208
66	BS-2.2	1.19MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E208
67	BS-2.3	.83MCA	208V/1ø								X	1			CONNECT TO ASSOCIATED FCU BRANCH CIRCUIT	E207
68	CU-1.1	33MCA	480V/3ø					3P-60A				3R	MDP-2			E207
69	CU-1.2	19MCA	480V/3ø					3P-30A				3R	MDP-7			E207
70	CU-1.3	22MCA	480V/3ø					3P-60A				3R	MDP-8			E207
71	CU-2.1	19MCA	480V/3ø					3P-30A				3R	MDP-7			E207
72	CU-2.2	26MCA	480V/3ø					3P-60A				3R	MDP-8			E207
73	CU-2.3	30MCA	480V/3ø					3P-60A				3R	MDP-8			E207
74	DOAS-1	158.1MCA	480V/3ø					3P-200A				3R	MDP-1			E207
75	FCU-1.12	.24MCA	208V/1ø								X	1	MRP-13			E207
76	FCU-1.26	.24MCA	208V/1ø								X	1	MRP-9			E207
77	EF-1.01	.25 HP	120V/1ø								X	1	MRP-30			E205
78	EF-1.02	.25 HP	120V/1ø								X	1	MRP-32			E205
79	EF-1.03	12 W	120V/1ø								X	1	-		CONNECT TO LOCAL RECEPTACLE CIRCUIT	E205
80	EF-1.04	110 W	120V/1ø								X	1	MRP-33			E301
81	UH-1.01	3.1 KW	208V/1ø					2P-30A				1	MRP-34			E301
82	UH-1.02	3.1 KW	208V/1ø					2P-30A				1	MRP-35			E206
83	UH-1.03	3.1 KW	208V/1ø					2P-30A				1	MRP-38			E206
84	UH-1.04	3.1 KW	208V/1ø					2P-30A				1	MRP-39			E206
85	UH-1.05	3.1 KW	208V/1ø					2P-30A				1	MRP-42			E206
86	UH-1.06	3.1 KW	208V/1ø					2P-30A				1	MRP-55			E206
87	EWH-1.01	3 KW	208V/1ø					2P-30A				1	MRP-46			E206
88	EWH-1.02	3 KW	208V/1ø					2P-30A				1	MRP-47			E205
89	ECH-1.01	4 KW	208V/1ø					2P-30A				1	MRP-43			E206
90	FCU-2.23	2.88MCA	208V/1ø								X	1	MRP-25			
91	WH-1.01	27 KW	480V/3ø					3P-60				1	MHP-20			
92	WH-1.02	27 KW	480V/3ø					3P-60				1	MHP-25			
93	RTU-1	20.6MCA	208V/1ø					2P-30A				3R	MRP-29			
94	RP-1 H.W.RECIRC	.167 HP	120V/1ø								X	1	MRP-51			
95	SP-1 GASOLINE	.75 HP	208V/1ø					2P-30A				3R	MRP-50			
96	SP-2 GASOLINE	1 HP	208V/1ø					2P-30A				3R	MRP-54			
97	SP-3 ELEVATOR SUMP	.5 HP	120V/1ø								X	1	MRP-53			

DWG. FILENAME: G:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottBRPQP.rvt

SEAL: STATE OF MARYLAND · DYTON J. TWARDUS · #1621 · PROFESSIONAL ENGINEER · 7/14/2025

DATE : 7/14/2025 2:35:18 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: Designer

DWN BY: Author

CHKD BY: Checker

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE

PLAN SCALE: 12" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

HVAC SCHEDULE

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E801	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 257 OF 302
	DRAWING NUMBER
	2024 - 1570
	FILE NO.: 8 REV. 07.20

PANEL MDP

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C		15.2	15.2	19.0
	Receptacles [R] *	0.5	N		124.5	67.3	67.3
1	Motors [M]	1	<M/H>	14.8	131.8	146.6	146.6
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>		165.9	165.9	165.9
	Heating [H] **	1	<M/H>		88.6	88.6	88.6
	Air Conditioning [A] **	1	<M/H>			**	**
2	Other (appliances, etc.) [O]	1	N	0.3	83.1	83.4	83.4
	Auxiliary [X]	1	C		24.8	24.8	31.0
	Kitchen [K]	0.65	N				
3	CIRCUITS						

PANEL CONNECTED LOAD	649.0 KVA	@ 1200 AMPS
PANEL DEMAND LOAD	591.7 KVA	997.7 CB MAX KVA
TOTAL PANEL LOAD	601.7 KVA 723.7 AMPS	
SPARE CAPACITY = (BASED ON CB)	396.0 KVA 476.3 AMPS 39.7 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = HEATING

PROVIDE I-LINE STYLE PANELBOARD
SURFACE MOUNTED PANEL MDP 277/480 VOLT 3 PHASE 4 WIRE 1200 AMP BUS 1200 AMP MAIN BREAKER 25,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
	390.0		1	PANEL MHP	600	3	600	2	4	350MCM	1	3"	2	PANEL LP1	100	3	100	1	4	3	8	1 1/4"		65.0	
			3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
			5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
	112.5		7	TRANSFORMER T-RPEV	225	3	175	1	3	2/0	6	2"	8	TRANSFORMER T-RDP	225	3	125	1	3	1	6	1 1/2"		75.0	
			9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
			11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
M	14.8		13	ELEVATOR	100	3	30	1	3	10	10	3/4"	14	METER N1	100	3	20	1	4	12	12	3/4"	O	0.2	
			15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
			17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
			19	SPARE	100	3	100	----	--	----	----	----	20	SPARE	100	3	100	----	--	----	----	----			
			21	----------	----	----	----	----	--	----	----	----	22	----------	----	----	----	----	--	----	----	----			
			23	----------	----	----	----	----	--	----	----	----	24	----------	----	----	----	----	--	----	----	----			
			25	SPACE W/BUS	100	1	----	----	--	----	----	----	26	SPACE W/BUS	100	1	----	----	--	----	----	----			
			27	SPACE W/BUS	100	1	----	----	--	----	----	----	28	SPACE W/BUS	100	1	----	----	--	----	----	----			
			29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			
			31	SPACE W/BUS	100	1	----	----	--	----	----	----	32	SPACE W/BUS	100	1	----	----	--	----	----	----			
			33	SPACE W/BUS	100	1	----	----	--	----	----	----	34	SPACE W/BUS	100	1	----	----	--	----	----	----			
			35	SPACE W/BUS	100	1	----	----	--	----	----	----	36	SPACE W/BUS	100	1	----	----	--	----	----	----			
O	0.1		37	SPD UNIT	100	3	30	1	4	8	8	1"	38	SPACE W/BUS	100	1	----	----	--	----	----	----			
			39	----------	----	----	----	----	--	----	----	----	40	SPACE W/BUS	100	1	----	----	--	----	----	----			
			41	----------	----	----	----	----	--	----	----	----	42	SPACE W/BUS	100	1	----	----	--	----	----	----			

PANEL RDP

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C		0.2	0.2	0.3
	Receptacles [R] *	0.5	N		124.5	67.3	67.3
	Motors [M]	1	<M/H>		7.7	7.7	7.7
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
2	Other (appliances, etc.) [O]	1	N	0.3	28.4	28.7	28.7
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
2	CIRCUITS						

PANEL CONNECTED LOAD	161.1 KVA	@ 400 AMPS
PANEL DEMAND LOAD	103.8 KVA	144.1 CB MAX KVA
TOTAL PANEL LOAD	103.9 KVA 288.4 AMPS	FED FROM MDP (150.0 KVA XFMR)
SPARE CAPACITY = (BASED ON CB)	40.2 KVA 111.6 AMPS 27.9 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

PROVIDE I-LINE STYLE PANELBOARD
SURFACE MOUNTED PANEL RDP 120/208 VOLT 3 PHASE 4 WIRE 400 AMP BUS 400 AMP MAIN BREAKER 10,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
			1	PANEL RP1	225	3	225	1	4	4/0	4	2 1/2"	2	PANEL RP2	225	3	225	1	4	4/0	4	2 1/2"			
			3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
			5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
			7	PANEL IT	100	3	100	1	4	3	8	1 1/4"	8	PANEL F1	100	2	100	1	3	3	8	1 1/4"			
			9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
			11	----------	----	----	----	----	--	----	----	----	12	SPARE	100	1	20	----	--	----	----	----			
O	0.2		13	METER M2	100	3	20	1	4	12	12	3/4"	14	SPARE	100	3	20	----	--	----	----	----			
			15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
			17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
			19	SPACE W/BUS	100	1	----	----	--	----	----	----	20	SPACE W/BUS	100	1	----	----	--	----	----	----			
			21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPACE W/BUS	100	1	----	----	--	----	----	----			
			23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	SPACE W/BUS	100	1	----	----	--	----	----	----			
			25	SPACE W/BUS	100	1	----	----	--	----	----	----	26	SPACE W/BUS	100	1	----	----	--	----	----	----			
			27	SPACE W/BUS	100	1	----	----	--	----	----	----	28	SPACE W/BUS	100	1	----	----	--	----	----	----			
			29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			
			31	SPACE W/BUS	100	1	----	----	--	----	----	----	32	SPACE W/BUS	100	1	----	----	--	----	----	----			
			33	SPACE W/BUS	100	1	----	----	--	----	----	----	34	SPACE W/BUS	100	1	----	----	--	----	----	----			
			35	SPACE W/BUS	100	1	----	----	--	----	----	----	36	SPACE W/BUS	100	1	----	----	--	----	----	----			
			37	SPACE W/BUS	100	1	----	----	--	----	----	----	38	SPD UNIT	100	3	30	1	4	8	8	1"	O	0.1	
			39	SPACE W/BUS	100	1	----	----	--	----	----	----	40	----------	----	----	----	----	--	----	----	----			
			41	SPACE W/BUS	100	1	----	----	--	----	----	----	42	----------	----	----	----	----	--	----	----	----			

PANEL LP1

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
6	Lighting [L]	1	C	15.0		15.0	18.8
	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>				
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
1	Other (appliances, etc.) [O]	1	N	0.2		0.2	0.2
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
7	CIRCUITS						

PANEL CONNECTED LOAD	15.2 KVA	@ 100 AMPS
PANEL DEMAND LOAD	15.2 KVA	83.1 CB MAX KVA
TOTAL PANEL LOAD	19.0 KVA 22.9 AMPS	FED FROM MDP
SPARE CAPACITY = (BASED ON CB)	64.1 KVA 77.1 AMPS 77.1 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

SURFACE MOUNTED PANEL LP1 277/480 VOLT 3 PHASE 4 WIRE 100 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
L	3.4		1	LTG-1ST FL WING A,LOB,VEST,COR	100	1	20	1	2	12	12	3/4"	2	LTG-1ST FL WING B	100	1	20	1	2	12	12	3/4"	L	3.0	
L	2.9		3	LTG-2ND FL WING A	100	1	20	1	2	12	12	3/4"	4	LTG-2ND FL WING B,COR	100	1	20	1	2	12	12	3/4"	L	3.1	
L	1.0		5	LTG-EXTERIOR SOFFIT & LANDSCAPE	100	1	20	1	2	12	12	3/4"	6	SITE POLE LIGHTING	100	1	20	1	2	12	12	3/4"	L	1.6	
O	0.2		7	METER M1	100	3	20	1	4	12	12	3/4"	8	SPARE	100	1	20	----	--	----	----	----			
			9	----------	----	----	----	----	--	----	----	----	10	SPARE	100	1	20	----	--	----	----	----			
			11	----------	----	----	----	----	--	----	----	----	12	SPARE	100	1	20	----	--	----	----	----			
			13	SPARE	100	1	20	----	--	----	----	----	14	SPARE	100	1	20	----	--	----	----	----			
			15	SPARE	100	1	20	----	--	----	----	----	16	SPARE	100	1	20	----	--	----	----	----			
			17	SPARE	100	1	20	----	--	----	----	----	18	SPARE	100	1	20	----	--	----	----	----			
			19	SPARE	100	1	20	----	--	----	----	----	20	SPARE	100	1	20	----	--	----	----	----			
			21	SPARE	100	1	20	----	--	----	----	----	22	SPARE	100	1	20	----	--	----	----	----			
			23	SPARE	100	1	20	----	--	----	----	----	24	SPARE	100	1	20	----	--	----	----	----			
			25	SPARE	100	1	20	----	--	----	----	----	26	SPARE	100	1	20	----	--	----	----	----			
			27	SPARE	100	1	20	----	--	----	----	----	28	SPARE	100	1	20	----	--	----	----	----			
			29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			
			31	SPACE W/BUS	100	1	----	----	--	----	----	----	32	SPACE W/BUS	100	1	----	----	--	----	----	----			
			33	SPACE W/BUS	100	1	----	----	--	----	----	----	34	SPACE W/BUS	100	1	----	----	--	----	----	----			
			35	SPACE W/BUS	100	1	----	----	--	----	----	----	36	SPACE W/BUS	100	1	----	----	--	----	----	----			
			37	SPACE W/BUS	100	1	----	----	--	----	----	----	38	SPACE W/BUS	100	1	----	----	--	----	----	----			
			39	SPACE W/BUS	100	1	----	----	--	----	----	----	40	SPACE W/BUS	100	1	----	----	--	----	----	----			
			41	SPACE W/BUS	100	1	----	----	--	----	----	----	42	SPACE W/BUS	100	1	----	----	--	----	----	----			

PANEL MHP

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
	Receptacles [R] *	0.5	N				
6	Motors [M]	1	<M/H>	121.0	3.1	124.1	124.1
	Motors (alternate) [M2]	1	<M/H>				
1	Multimotor/Combination [MM]	1	<M/H>	127.0	38.9	165.9	165.9
1	Heating [H] **	1	<M/H>	60.0	28.6	88.6	88.6
	Air Conditioning [A] **	1	<M/H>			**	**
2	Other (appliances, etc.) [O]	1	N	54.0	0.2	54.2	54.2
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
10	CIRCUITS						

PANEL CONNECTED LOAD	432.8 KVA	@ 600 AMPS
PANEL DEMAND LOAD	432.8 KVA	498.8 CB MAX KVA
TOTAL PANEL LOAD	432.8 KVA 520.6 AMPS	FED FROM MDP
SPARE CAPACITY = (BASED ON CB)	66.0 KVA 79.4 AMPS 13.2 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = HEATING

SURFACE MOUNTED PANEL MHP 277/480 VOLT 3 PHASE 4 WIRE 600 AMP BUS MAIN LUGS ONLY 25,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
MM	127.0		1	DOAS - 1	225	3	175	1	3	2/0	6	2"	2	CU - 1.1	100	3	50	1	3	8	10	3/4"	M	27.0	
H	60.0		3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
			5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
M	15.0		7	CU - 1.2	100	3	30	1	3	10	10	3/4"	8	CU - 1.3	100	3	35	1	3	8	10	3/4"	M	18.0	
			9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
			11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
M	15.0		13	CU - 2.1	100	3	30	1	3	10	10	3/4"	14	CU - 2.2	100	3	40	1	3	8	10	3/4"	M	21.0	
			15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
			17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
M	25.0		19	CU - 2.3	100	3	50	1	3	8	10	3/4"	20	WH-1.01	100	3	45	1	3	8	10	3/4"	O	27.0	
			21	----------	----	----	----	----	--	----	----	----	22	----------	----	----	----	----	--	----	----	----			
			23	----------	----	----	----	----	--	----	----	----	24	----------	----	----	----	----	--	----	----	----			
O	27.0		25	WH-1.02	100	3	45	1	3	8	10	3/4"	26	SPARE	100	3	20	----	--	----	----	----			
			27	----------	----	----	----	----	--	----	----	----	28	----------	----	----	----	----	--	----	----	----			
			29	----------	----	----	----	----	--	----	----	----	30	----------	----	----	----	----	--	----	----	----			
			31	SPACE W/BUS	100	1	----	----	--	----	----	----	32	SPACE W/BUS	100	1	----	----	--	----	----	----			
			33	SPACE W/BUS	100	1	----	----	--	----	----	----	34	SPACE W/BUS	100	1	----	----	--	----	----	----			
			35	SPACE W/BUS	100	1	----	----	--	----	----	----	36	SPACE W/BUS	100	1	----	----	--	----	----	----			
			37	SPACE W/BUS	100	1	----	----	--	----	----	----	38	TRANSFORMER T-MRP	225	3	125	1	3	1	6	1 1/2"		75.0	
			39	SPACE W/BUS	100	1	----	----	--	----	----	----	40	----------	----	----	----	----	--	----	----	----			
			41	SPACE W/BUS	100	1	----	----	--	----	----	----	42	----------	----	----	----	----	--	----	----	----			

PANEL RP1

E

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
1	Lighting [L]	1	C	0.2		0.2	0.3
58	Receptacles [R] *	0.5	N	64.2		37.1	37.1
1	Motors [M]	1	<M/H>	1.2		1.2	1.2
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
21	Other (appliances, etc.) [O]	1	N	23.0		23.0	23.0
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
81	CIRCUITS						

PANEL CONNECTED LOAD	88.6 KVA	@ 225 AMPS
PANEL DEMAND LOAD	61.5 KVA	81.1 CB MAX KVA
TOTAL PANEL LOAD	61.5 KVA 170.7 AMPS	FED FROM RDP
SPARE CAPACITY = (BASED ON CB)	19.6 KVA 54.3 AMPS 24.1 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

PROVIDE AS 2 SECTION PANEL
SURFACE MOUNTED PANEL RP1 120/208 VOLT 3 PHASE 4 WIRE 225 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
R	1.2		1	RECEPTACLES- ELECT ROOM	100	1	20	1	2	12	12	3/4"	2	RECEPTACLES-EM ELECT RMR	100	1	20	1	2	12	12	3/4"	R	0.8	
M	1.2	0.5	3	ELEVATOR SUMP PUMP	100	1	20	1	2	12	12	3/4"	4	RECEPTACLES-ELEV MACH RM	100	1	20	1	2	12	12	3/4"	R	1.0	
O	0.1		5	ELEVATOR SUMP PUMP CNTL	100	1	20	1	2	12	12	3/4"	6	RECEPTACLES-WELLNESS	100	1	20	1	2	12	12	3/4"	R	1.2	
O	0.8		7	EWC (GFCI)	100	1	20	1	2	12	12	3/4"	8	OVEN-BREAK RM (GFCI)	100	2	50	1	2	8	10	3/4"	O	8.0	
R	1.2		9	RECEPTACLES-ARMORY	100	1	20	1	2	12	12	3/4"	10	----------	----	----	----	----	--	----	----	----			
R	0.4		11	RECEPTACLES-STAIR 2	100	1	20	1	2	12	12	3/4"	12	RECEPTACLES-SHIFT LEADER-C	100	1	20	1	2	12	12	3/4"	R	1.2	
R	0.8		13	RECEPT-WORK ROOM	100	1	20	1	2	12	12	3/4"	14	RECEPTACLES-SHIFT LEADER-C	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		15	RECEPT-WORK RM-COPIER	100	1	20	1	2	12	12	3/4"	16	RECEPT-SHIFT LEADER-C-GEN.	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.2		17	RECEPTACLES-SHIFT LEADER-B	100	1	20	1	2	12	12	3/4"	18	RECEPT-SHIFT LEADER-C-SUP.	100	1	20	1	2	12	12	3/4"	R	1.2	
R	0.8		19	RECEPTACLES-SHIFT LEADER-B	100	1	20	1	2	12	12	3/4"	20	RECEPTACLES-SHIFT LEADER-A	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		21	RECEPTACLES-SHIFT LEADER-B	100	1	20	1	2	12	12	3/4"	22	RECEPTACLES-SHIFT LEADER-A	100	1	20	1	2	12	12	3/4"	R	1.2	
R	0.6		23	RECEPT-SHIFT LEADER-B-GEN.	100	1	20	1	2	12	12	3/4"	24	RECEPT-SHIFT LEADER-A-GEN.	100	1	20	1	2	12	12	3/4"	R	0.8	
R	1.2		25	RECEPT-SHIFT LEADER-B-SUP.	100	1	20	1	2	12	12	3/4"	26	RECEPT-SHIFT LEADER-A-SUP.	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		27	MICROWAVE-BREAK RM (GFCI)	100	1	20	1	2	12	12	3/4"	28	RECEPTACLES-ROLL CALL	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.0		29	RECEPTACLES-COMMUNITY RM	100	1	20	1	2	12	12	3/4"	30	RECEPTACLES-ROLL CALL	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		31	RECEPTACLES-COMMUNITY RM	100	1	20	1	2	12	12	3/4"	32	RECEPTACLES-ROLL CALL	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.0		33	RECEPTACLES-COMMUNITY RM	100	1	20	1	2	12	12	3/4"	34	RECEPTACLES - CORRIDOR	100	1	20	1	2	12	12	3/4"	R	1.0	
O	0.9		35	RECEPT-BODY CAM CHARGERS	100	1	20	1	2	12	12	3/4"	36	RECEPTACLES - EXTERIOR	100	1	20	1	2	12	12	3/4"	R	0.4	
O	0.9		37	RECEPT-BODY CAM CHARGERS	100	1	20	1	2	12	12	3/4"	38	RECEPTACLES-2ND FLR CORR.	100	1	20	1	2	12	12	3/4"	R	1.0	
O	0.9		39	RECEPT-BODY CAM CHARGERS	100	1	20	1	2	12	12	3/4"	40	RECEPTACLES-CAPT. SUITE	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.0		41	RECEPTACLES-CAPT. SUITE	100	1	20	1	2	12	12	3/4"	42	RECEPT-CAPT SUITE COPIER	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		43	RECEPTACLES-LT OFFICE	100	1	20	1	2	12	12	3/4"	44	RECEPTACLES-CONF RM 215	100	1	20	1	2	12	12	3/4"	R	1.4	
R	1.6		45	RECEPTACLES-CONF RM 210	100	1	20	1	2	12	12	3/4"	46	RECEPTACLES-CAPT. OFFICE	100	1	20	1	2	12	12	3/4"	R	1.6	
R	1.6		47	RECEPTACLES-BREAK RM 209	100	1	20	1	2	12	12	3/4"	48	REFRIGERATOR-BREAK RM(GFCI)	100	1	20	1	2	12	12	3/4"	O	0.8	
R	1.2		49	MICROWAVE-BREAK RM (GFCI)	100	1	20	1	2	12	12	3/4"	50	DISHWASHER-BREAK RM (GFCI)	100	1	20	1	2	12	12	3/4"	O	0.8	
R	0.4		51	RECEPT-BRK RM CNTER (GFCI)	100	1	20	1	2	12	12	3/4"	52	RECEPTACLE-TRAFFIC 207	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		53	RECEPTACLES-TRAFFIC 207	100	1	20	1	2	12	12	3/4"	54	RECEPTACLE-TRAFFIC 207	100	1	20	1	2	12	12	3/4"	R	0.6	
R	1.4		55	RECEPTACLES-OFFICE 208	100	1	20	1	2	12	12	3/4"	56	RECEPTACLES-OFFICE SUPPLY	100	1	20	1	2	12	12	3/4"	R	0.8	
R	1.2		57	RECEPTACLES-OFFICE COPIER	100	1	20	1	2	12	12	3/4"	58	RECEPTACLES-C.A.T. 217	100	1	20	1	2	12	12	3/4"	R	1.4	
O	1.2		59	RECEPT-CAPT SUITE COPIER	100	1	20	1	2	12	12	3/4"	60	RECEPT-INVEST TEAM 202	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		61	RECEPT-INVEST TEAM 202	100	1	20	1	2	12	12	3/4"	62	RECEPT-INVEST TEAM OFFICE	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		63	RECEPT-LT OFFICE 204	100	1	20	1	2	12	12	3/4"	64	RECEPTACLES-OFFICE 218	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.2		65	RECEPTACLES-C.A.T. 217	100	1	20	1	2	12	12	3/4"	66	RECEPTACLES-OFFICE 220	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.4		67	RECEPT-OUT/SRO/DVC 219	100	1	20	1	2	12	12	3/4"	68	RECEPT-OUT/SRO/DVC 219	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.0		69	TMS RECEPTACLE	100	1	20	1	2	12	12	3/4"	70	OIL MINDER PANEL	100	1	20	1	2	12	12	3/4"	O	0.2	
O	0.2		71	GENERATOR BATTERY CHARGER	100	1	20	1	2	12	12	3/4"	72	GENERATOR JACKET HEATER	100	2	20	1	2	12	12	3/4"	O	1.5	
O	0.2		73	ELEVATOR CONTROLS	100	1	20	1	2	12	12	3/4"	74	----------	----	----	----	----	--	----	----	----			
O	0.5		75	VEEDER ROOT EQUIP.	100	1	20	1	2	12	12	3/4"	76	VEEDER ROOT EQUIP	100	1	20	1	2	12	12	3/4"	O	0.5	
O	1.0		77	ACCESS GATE POWER	100	2	20	1	2	12	12	3/4"	78	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	O	1.0	
			79	----------	----	----	----	----	--	----	----	----	80	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	O	1.0	
O	0.5		81	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	82	MONUMENT SIGN LIGHTING	100	1	20	1	2	12	12	3/4"	L	0.2	
O	1.0		83	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	84	METER HUB	100	1	20	1	2	12	12	3/4"	O	1.0	
			85	SPARE	100	1	20	----	--	----	----	----	86	SPARE	100	1	20	----	--	----	----	----			
			87	SPARE	100	1	20	----	--	----	----	----	88	SPARE	100	1	20	----	--	----	----	----			
			89	SPARE	100	1	20	----	--	----	----	----	90	SPARE	100	1	20	----	--	----	----	----			
			91	SPARE	100	1	20	----	--	----	----	----	92	SPARE	100	1	20	----	--	----	----	----			
			93	SPARE	100	1	20	----	--	----	----	----	94	SPARE	100	1	20	----	--	----	----	----			
			95	SPARE	100	1	20	----	--	----	----	----	96	SPARE	100	1	20	----	--	----	----	----			
			97	SPARE	100	1	20	----	--	----	----	----	98	SPARE	100	1	20	----	--	----	----	----			
			99	SPARE	100	1	20	----	--	----	----	----	100	SPARE	100	1	20	----	--	----	----	----			
			101	SPACE W/BUS	100	1	----	----	--	----	----	----	102	SPACE W/BUS	100	1	----	----	--	----	----	----			
			103	SPACE W/BUS	100	1	----	----	--	----	----	----	104	SPACE W/BUS	100	1	----	----	--	----	----	----			
			105	SPACE W/BUS	100	1	----	----	--	----	----	----	106	SPACE W/BUS	100	1	----	----	--	----	----	----			
			107	SPACE W/BUS	100	1	----	----	--	----	----	----	108	SPACE W/BUS	100	1	----	----	--	----	----	----			
			109	SPACE W/BUS	100	1	----	----	--	----	----	----	110	SPACE W/BUS	100	1	----	----	--	----	----	----			
			111	SPACE W/BUS	100	1	----	----	--	----	----	----	112	SPACE W/BUS	100	1	----	----	--	----	----	----			
			113	SPACE W/BUS	100	1	----	----	--	----	----	----	114	SPACE W/BUS	100	1	----	----	--	----	----	----			
			115	SPACE W/BUS	100	1	----	----	--	----	----	----	116	SPACE W/BUS	100	1	----	----	--	----	----	----			
			117	SPACE W/BUS	100	1	----	----	--	----	----	----	118	SPACE W/BUS	100	1	----	----	--	----	----	----			
			119	SPACE W/BUS	100	1	----	----	--	----	----	----	120	SPACE W/BUS	100	1	----	----	--	----	----	----			

PANEL RP2

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
45	RECEPT [R] *	0.5	N	56.3		33.2	33.2
2	Motors [M]	1	<M/H>	3.3		3.3	3.3
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
5	Other (appliances, etc.) [O]	1	N	4.0		4.0	4.0
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
52	CIRCUITS						

PANEL CONNECTED LOAD	63.6 KVA	@ 225 AMPS
PANEL DEMAND LOAD	40.5 KVA	81.1 CB MAX KVA
TOTAL PANEL LOAD	40.5 KVA 112.4 AMPS	FED FROM RDP
SPARE CAPACITY = (BASED ON CB)	40.6 KVA 112.6 AMPS 50.0 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

PROVIDE AS 2 SECTION PANEL
SURFACE MOUNTED PANEL RP2 120/208 VOLT 3 PHASE 4 WIRE 225 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
R	1.0		1	RECEPT-MENS LOCKER RM	100	1	20	1	2	12	12	3/4"	2	RECEPT-WOMENS LOCKER RM	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.2		3	RECEPT-WELLNESS RM	100	1	20	1	2	12	12	3/4"	4	RECEPT-STAIR 1	100	1	20	1	2	12	12	3/4"	R	0.4	
R	1.2		5	RECEPT-2ND FLR CORR/TLT/STO.	100	1	20	1	2	12	12	3/4"	6	2ND FLR EWC (GFCI)	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.4		7	RECEPT-2ND FLR LOUNGE	100	1	20	1	2	12	12	3/4"	8	RECEPT-FITNESS 224	100	1	20	1	2	12	12	3/4"	R	0.8	
R	0.8		9	RECEPT-FITNESS 224	100	1	20	1	2	12	12	3/4"	10	RECEPT-FITNESS 224	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.0		11	RECEPT-GEAR 117	100	1	20	1	2	12	12	3/4"	12	RECEPT-MECHANICAL	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.2		13	RECEPT-EVID PROC 121	100	1	20	1	2	12	12	3/4"	14	RECEPT-1ST FLR LOBBY	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.4		15	RECEPT-REPORT WRITING 120	100	1	20	1	2	12	12	3/4"	16	RECEPT-INT 123 & 124	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.6		17	RECEPT-REPORT WRITING 120	100	1	20	1	2	12	12	3/4"	18	LOBBY EWC (GFCI)	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.0		19	RECEPT-1ST FLR CORRIDOR	100	1	20	1	2	12	12	3/4"	20	RECEPT-1ST FLR LOBBY	100	1	20	1	2	12	12	3/4"	R	1.2	
R	0.4		21	RECEPT-KITCHEN	100	1	20	1	2	12	12	3/4"	22	RECEPT-MECH 118	100	1	20	1	2	12	12	3/4"	R	0.8	
R	0.8		23	REFRIGERATOR-KITCHEN 004.1	100	1	20	1	2	12	12	3/4"	24	SPARE	100	1	20	----	--	----	----	----			
R	1.0		25	RECEPT-LOCKER ROOMS	100	1	20	1	2	12	12	3/4"	26	RECEPT-INT/BAIL 134	100	1	20	1	2	12	12	3/4"	R	1.0	
R	0.8		27	RECEPT-FRONT DESK 128	100	1	20	1	2	12	12	3/4"	28	RECEPT-FRONT DESK 128	100	1	20	1	2	12	12	3/4"	R	1.0	
R	0.6		29	RECEPT-OFF SUP 127	100	1	20	1	2	12	12	3/4"	30	RECEPT-COPIER 127	100	1	20	1	2	12	12	3/4"	R	1.2	
O	0.6		31	RECEPT-CONTL DESK 149 FRIDGE	100	1	20	1	2	12	12	3/4"	32	RECEPT-CNTL DESK 149	100	1	20	1	2	12	12	3/4"	R	1.2	
R	1.0		33	RECEPT-CONTL DESK 149	100	1	20	1	2	12	12	3/4"	34	SPARE	100	1	20	----	--	----	----	----			
R	1.2		35	RECEPT-M. PROC AREA	100	1	20	1	2	12	12	3/4"	36	RECEPT-F. PROC/INT/BAIL	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.4		37	RECEPT-INT/BAIL/INTOX	100	1	20	1	2	12	12	3/4"	38	RECEPT-SALLY PORT	100	1	20	1	2	12	12	3/4"	R	1.0	
R	1.0		39	RECEPT-EXTERIOR	100	1	20	1	2	12	12	3/4"	40	LOCKERS POWER	100	3	20	1	4	12	12	3/4"	R	2.6	
R	2.4		41	LOCKER POWER	100	3	20	1	4	12	12	3/4"	42	----------	----	----	----	----	--	----	----	----			
			43	----------	----	----	----	----	--	----	----	----	44	----------	----	----	----	----	--	----	----	----			
			45	----------	----	----	----	----	--	----	----	----	46	LOCKER POWER	100	3	20	1	4	12	12	3/4"	R	2.4	
R	2.4		47	LOCKER POWER	100	3	20	1	4	12	12	3/4"	48	----------	----	----	----	----	--	----	----	----			
			49	----------	----	----	----	----	--	----	----	----	50	----------	----	----	----	----	--	----	----	----			
			51	----------	----	----	----	----	--	----	----	----	52	LOCKER POWER	100	3	20	1	4	12	12	3/4"	R	2.4	
R	1.5		53	LOCKER POWER	100	2	20	1	3	12	12	3/4"	54	----------	----	----	----	----	--	----	----	----			
			55	----------	----	----	----	----	--	----	----	----	56	----------	----	----	----	----	--	----	----	----			
R	2.4		57	LOCKER POWER	100	3	20	1	4	12	12	3/4"	58	LOCKER POWER	100	3	20	1	4	12	12	3/4"	R	2.4	
			59	----------	----	----	----	----	--	----	----	----	60	----------	----	----	----	----	--	----	----	----			
			61	----------	----	----	----	----	--	----	----	----	62	----------	----	----	----	----	--	----	----	----			
R	0.8		63	EVID. PROC LOCKER POWER	100	1	20	1	2	12	12	3/4"	64	SPARE	100	1	20	----	--	----	----	----			
M	1.7	1.0	65	SALLYPORT OH DOOR	100	3	15	1	3	12	12	3/4"	66	SALLYPORT OH DOOR	100	3	15	1	3	12	12	3/4"	M	1.7	1.0
			67	----------	----	----	----	----	--	----	----	----	68	----------	----	----	----	----	--	----	----	----			
			69	----------	----	----	----	----	--	----	----	----	70	----------	----	----	----	----	--	----	----	----			
O	0.2		71	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	72	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	O	1.5	
O	0.2		73	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	74	REST ROOM SENSORS	100	1	20	1	2	12	12	3/4"	O	1.5	
			75	SPARE	100	1	20	----	--	----	----	----	76	SPARE	100	1	20	----	--	----	----	----			
			77	SPARE	100	1	20	----	--	----	----	----	78	SPARE	100	1	20	----	--	----	----	----			
			79	SPARE	100	1	20	----	--	----	----	----	80	SPARE	100	1	20	----	--	----	----	----			
			81	SPARE	100	1	20	----	--	----	----	----	82	SPARE	100	1	20	----	--	----	----	----			
			83	SPARE	100	1	20	----	--	----	----	----	84	SPARE	100	1	20	----	--	----	----	----			
			85	SPARE	100	1	20	----	--	----	----	----	86	SPARE	100	1	20	----	--	----	----	----			
			87	SPACE W/BUS	100	1	----	----	--	----	----	----	88	SPACE W/BUS	100	1	----	----	--	----	----	----			
			89	SPACE W/BUS	100	1	----	----	--	----	----	----	90	SPACE W/BUS	100	1	----	----	--	----	----	----			
			91	SPACE W/BUS	100	1	----	----	--	----	----	----	92	SPACE W/BUS	100	1	----	----	--	----	----	----			
			93	SPACE W/BUS	100	1	----	----	--	----	----	----	94	SPACE W/BUS	100	1	----	----	--	----	----	----			
			95	SPACE W/BUS	100	1	----	----	--	----	----	----	96	SPACE W/BUS	100	1	----	----	--	----	----	----			
			97	SPACE W/BUS	100	1	----	----	--	----	----	----	98	SPACE W/BUS	100	1	----	----	--	----	----	----			
			99	SPACE W/BUS	100	1	----	----	--	----	----	----	100	SPACE W/BUS	100	1	----	----	--	----	----	----			
			101	SPACE W/BUS	100	1	----	----	--	----	----	----	102	SPACE W/BUS	100	1	----	----	--	----	----	----			
			103	SPACE W/BUS	100	1	----	----	--	----	----	----	104	SPACE W/BUS	100	1	----	----	--	----	----	----			
			105	SPACE W/BUS	100	1	----	----	--	----	----	----	106	SPACE W/BUS	100	1	----	----	--	----	----	----			
			107	SPACE W/BUS	100	1	----	----	--	----	----	----	108	SPACE W/BUS	100	1	----	----	--	----	----	----			
			109	SPACE W/BUS	100	1	----	----	--	----	----	----	110	SPACE W/BUS	100	1	----	----	--	----	----	----			
			111	SPACE W/BUS	100	1	----	----	--	----	----	----	112	SPACE W/BUS	100	1	----	----	--	----	----	----			
			113	SPACE W/BUS	100	1	----	----	--	----	----	----	114	SPACE W/BUS	100	1	----	----	--	----	----	----			
			115	SPACE W/BUS	100	1	----	----	--	----	----	----	116	SPACE W/BUS	100	1	----	----	--	----	----	----			
			117	SPACE W/BUS	100	1	----	----	--	----	----	----	118	SPACE W/BUS	100	1	----	----	--	----	----	----			
			119	SPACE W/BUS	100	1	----	----	--	----	----	----	120	SPACE W/BUS	100	1	----	----	--	----	----	----			

PANEL MRP

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
	Receptacles [R] *	0.5	N				
5	Motors [M]	1	<M/H>	3.1		3.1	3.1
	Motors (alternate) [M2]	1	<M/H>				
15	Multimotor/Combination [MM]	1	<M/H>	38.9		38.9	38.9
9	Heating [H] **	1	<M/H>	28.6		28.6	28.6
	Air Conditioning [A] **	1	<M/H>			**	**
1	Other (appliances, etc.) [O]	1	N	0.2		0.2	0.2
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
30	CIRCUITS						

PANEL CONNECTED LOAD	70.8 KVA	@ 225 AMPS
PANEL DEMAND LOAD	70.8 KVA	81.1 CB MAX KVA
TOTAL PANEL LOAD	70.8 KVA 196.5 AMPS	FED FROM MDP
SPARE CAPACITY = (BASED ON CB)	10.3 KVA 28.5 AMPS 12.7 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = HEATING

SURFACE MOUNTED PANEL MRP 120/208 VOLT 3 PHASE 4 WIRE 225 AMP BUS 225 AMP MAIN BREAKER 10,000 A.I.C.

TYPE	KVA	HP	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
MM	5.2		1	DSS-CU-1.01	100	2	35	1	2	8	10	3/4"	2	DSS-CU-2.01	100	2	35	1	2	8	10	3/4"	MM	5.2	
			3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
MM	1.7		5	FCU-1.01, 1.02, & 1.03	100	2	15	1	2	12	12	3/4"	6	FCU-1.04 & 1.05	100	2	15	1	2	12	12	3/4"	MM	2.3	
			7	----------	----	----	----	----	--	----	----	----	8	----------	----	----	----	----	--	----	----	----			
MM	1.5		9	FCU-1.06,1.07,1.08,1.09,1.10,1.26	100	2	15	1	2	12	12	3/4"	10	FCU-1.11,1.13,1.14,1.15 & 1.16	100	2	15	1	2	12	12	3/4"	MM	1.2	
			11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
MM	2.2		13	FCU-1.17, 1.18, 1.19,1.12 & 1.20	100	2	15	1	2	12	12	3/4"	14	FCU-1.21, 1.22,1.23 & 1.24	100	2	15	1	2	12	12	3/4"	MM	2.2	
			15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
MM	1.9		17	FCU-2.01, 2.02 & 2.03	100	2	15	1	2	12	12	3/4"	18	FCU-2.04, 2.05 & 2.06	100	2	15	1	2	12	12	3/4"	MM	1.9	
			19	----------	----	----	----	----	--	----	----	----	20	----------	----	----	----	----	--	----	----	----			
MM	2.0		21	FCU-2.07, 2.08, 2.09,2.10 & 2.11	100	2	15	1	2	12	12	3/4"	22	FCU-2.12, 2,13, 2.14, 2.16	100	2	15	1	2	12	12	3/4"	MM	2.3	
			23	----------	----	----	----	----	--	----	----	----	24	----------	----	----	----	----	--	----	----	----			
MM	2.0		25	FCU-2.17, 2.18, 2.19, 2.20 &2.23	100	2	15	1	2	12	12	3/4"	26	FCU- 2.21 & 2.22	100	2	15	1	2	12	12	3/4"	MM	2.0	
			27	----------	----	----	----	----	--	----	----	----	28	----------	----	----	----	----	--	----	----	----			
MM	5.3		29	RTU-1	100	2	30	1	2	10	10	3/4"	30	EF-1.01	100	1	15	1	2	12	12	3/4"	M	0.7	0.3
			31	----------	----	----	----	----	--	----	----	----	32	EF-1.02	100	1	15	1	2	12	12	3/4"	M	0.7	0.3
M	0.0		33	EF-1.04	100	1	15	1	2	12	12	3/4"	34	UH-1.01	100	2	20	1	2	12	12	3/4"	H	3.1	
H	3.1		35	UH-1.02	100	2	20	1	2	12	12	3/4"	36	----------	----	----	----	----	--	----	----	----			
			37	----------	----	----	----	----	--	----	----	----	38	UH-1.03	100	2	20	1	2	12	12	3/4"	H	3.1	
H	3.1		39	UH-1.04	100	2	20	1	2	12	12	3/4"	40	----------	----	----	----	----	--	----	----	----			
			41	----------	----	----	----	----	--	----	----	----	42	UH-1.05	100	2	20	1	2	12	12	3/4"	H	3.1	
H	4.0		43	ECH-1.01	100	2	25	1	2	10	10	3/4"	44	----------	----	----	----	----	--	----	----	----			
			45	----------	----	----	----	----	--	----	----	----	46	EWH-1.01	100	2	20	1	2	12	12	3/4"	H	3.0	
H	3.0		47	EWH-1.02	100	2	20	1	2	12	12	3/4"	48	----------	----	----	----	----	--	----	----	----			
			49	----------	----	----	----	----	--	----	----	----	50	SPARE	100	2	20	----	--	----	----	----			
M	0.5	0.1	51	RP-1 (H.W. RECIRC)	100	1	15	1	2	12	12	3/4"	52	----------	----	----	----	----	--	----	----	----			
M	1.2	0.5	53	SP-3 (ELEV SUMP)	100	1	20	1	2	12	12	3/4"	54	SPARE	100	2	20	----	--	----	----	----			
H	3.1		55	UH-1.06	100	2	20	1	2	12	12	3/4"	56	----------	----	----	----	----	--	----	----	----			
			57	----------	----	----	----	----	--	----	----	----	58	TRAP PRIMER CONTROL PANEL	100	1	15	1	2	12	12	3/4"	O	0.2	
			59	SPARE	100	1	20	----	--	----	----	----	60	SPARE	100	1	20	----	--	----	----	----			
			61	SPARE	100	1	20	----	--	----	----	----	62	SPARE	100	1	20	----	--	----	----	----			
			63	SPARE	100	1	20	----	--	----	----	----	64	SPARE	100	1	20	----	--	----	----	----			
			65	SPARE	100	1	20	----	--	----	----	----	66	SPARE	100	1	20	----	--	----	----	----			
			67	SPARE	100	1	20	----	--	----	----	----	68	SPARE	100	1	20	----	--	----	----	----			
			69	SPACE W/BUS	100	1	----	----	--	----	----	----	70	SPACE W/BUS	100	1	----	----	--	----	----	----			
			71	SPACE W/BUS	100	1	----	----	--	----	----	----	72	SPACE W/BUS	100	1	----	----	--	----	----	----			

DWG. FILENAME: C:\Users\mscott\Documents\280601-Wilkens Police Precinct-Central-R21_mscottR8PQP.rvt

SEAL
STATE OF MARYLAND
DALTON J. TWARDUS
51627
PROFESSIONAL ENGINEER
7/14/2025
DATE : 7/14/2025 2:35:19 PM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. ________, EXPIRATION DATE ________.
ENGINEER: ________
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: Designer
DWN BY: Author
CHKD BY: Checker

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | R.O.W NO.
CONTRACT COMPLETION BOX
BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER
REVIEWED BY:
DATE REVIEWED:

KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20
DRAWING SCALE
PLAN SCALE: 12" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: ________ PROPERTY MANAGER
DATE: ________

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
PANEL SCHEDULES
NEW BUILDING DESIGN
901 Walker Ave Catonsville, Maryland, 21228
SUBDIVISION: WILKENS
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION: E802
BALTIMORE COUNTY MARYLAND
CONTRACT NUMBER: 24111 PPO
JOB ORDER NUMBER: 300200006
SHEET 258 OF 302
DRAWING NUMBER: 2024 - 1571
FILE NO.: 8
REV. 03/22

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
10	Receptacles [R] *	0.5	N	4.0		4.0	4.0
	Motors [M]	1	<M/H>				
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
	Other (appliances, etc.) [O]	1	N				
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
10	CIRCUITS						

PANEL CONNECTED LOAD	4.0 KVA	@ 100 AMPS
PANEL DEMAND LOAD	4.0 KVA	36.0 CB MAX KVA
TOTAL PANEL LOAD	4.0 KVA	FED FROM RDP
	11.1 AMPS	
SPARE CAPACITY =	32.0 KVA	
(BASED ON CB)	88.9 AMPS	
	88.9 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

SURFACE MOUNTED PANEL IT 120/208 VOLT 3 PHASE 4 WIRE 100 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
1	RECEPTACLES-IT ROOM 223	100	1	20	1	2	12	12	3/4"	2	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
3	RECEPTACLES-IT ROOM 223	100	1	20	1	2	12	12	3/4"	4	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
5	RECEPTACLES-IT ROOM 223	100	1	20	1	2	12	12	3/4"	6	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
7	RECEPTACLES-IT ROOM 223	100	1	20	1	2	12	12	3/4"	8	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
9	SPARE	100	1	20	----	--	----	----	----	10	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
11	SPARE	100	1	20	----	--	----	----	----	12	RECEPTACLES-IT 119	100	1	20	1	2	12	12	3/4"	R	0.4	
13	SPARE	100	1	20	----	--	----	----	----	14	SPARE	100	1	20	----	--	----	----	----			
15	SPARE	100	1	20	----	--	----	----	----	16	SPARE	100	1	20	----	--	----	----	----			
17	SPARE	100	1	20	----	--	----	----	----	18	SPARE	100	1	20	----	--	----	----	----			
19	SPARE	100	1	20	----	--	----	----	----	20	SPARE	100	1	20	----	--	----	----	----			
21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPACE W/BUS	100	1	----	----	--	----	----	----			
23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	SPACE W/BUS	100	1	----	----	--	----	----	----			
25	SPACE W/BUS	100	1	----	----	--	----	----	----	26	SPACE W/BUS	100	1	----	----	--	----	----	----			
27	SPACE W/BUS	100	1	----	----	--	----	----	----	28	SPACE W/BUS	100	1	----	----	--	----	----	----			
29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
2	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>	3.2		3.2	3.2
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
5	Other (appliances, etc.) [O]	1	N	1.4		1.4	1.4
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
7	CIRCUITS						

PANEL CONNECTED LOAD	4.6 KVA	@ 70 AMPS
PANEL DEMAND LOAD	4.6 KVA	14.6 CB MAX KVA
TOTAL PANEL LOAD	4.6 KVA	FED FROM RDP
	22.1 AMPS	
SPARE CAPACITY =	10.0 KVA	
(BASED ON CB)	47.9 AMPS	
	68.4 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

(D)=MAINT DISCONNECT PER NEC 514.13; (E)=EMERGENCY SHUTOFF PER NEC 514.11
SURFACE MOUNTED PANEL F1 120/208 VOLT 1 PHASE 3 WIRE 100 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
1	DISP-1 GASOLINE DISP (D)(E)	100	1	20	1	2	12	12	3/4"	2	SP-1 GASOLINE TANK PUMP (E)	100	2	20	1	2	12	12	3/4"	M	1.6	0.8
3	DISP-2 GASOLINE DISP (D)(E)	100	1	20	1	2	12	12	3/4"	4	----------	----	----	----	----	--	----	----	----			
5	LVDD/CONTROL POWER	100	1	20	1	2	12	12	3/4"	6	SP-2 GASOLINE TANK PUMP (E)	100	2	20	1	2	12	12	3/4"	M	1.6	0.8
7	FUEL MANAGEMENT SYSTEM	100	1	20	1	2	12	12	3/4"	8	----------	----	----	----	----	--	----	----	----			
9	SPARE	100	1	20	----	--	----	----	----	10	SPARE	100	1	20	----	--	----	----	----			
11	SPARE	100	1	20	----	--	----	----	----	12	SPARE	100	1	20	----	--	----	----	----			
13	SPARE	100	1	20	----	--	----	----	----	14	SPARE	100	1	20	----	--	----	----	----			
15	SPACE W/BUS	100	1	----	----	--	----	----	----	16	SPACE W/BUS	100	1	----	----	--	----	----	----			
17	SPACE W/BUS	100	1	----	----	--	----	----	----	18	SPACE W/BUS	100	1	----	----	--	----	----	----			
19	SPACE W/BUS	100	1	----	----	--	----	----	----	20	SPACE W/BUS	100	1	----	----	--	----	----	----			
21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPD UNIT	100	2	30	1	4	10	10	1"	O	0.1	
23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	----------	----	----	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
3	Lighting [L]	1	C	1.5	0.2	1.7	2.1
	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>		0.7	0.7	0.7
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
1	Other (appliances, etc.) [O]	1	N	0.1	2.5	2.6	2.6
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
4	CIRCUITS						

PANEL CONNECTED LOAD	5.0 KVA	@ 100 AMPS
PANEL DEMAND LOAD	5.0 KVA	83.1 CB MAX KVA
TOTAL PANEL LOAD	5.4 KVA	
	6.5 AMPS	
SPARE CAPACITY =	77.7 KVA	
(BASED ON CB)	93.5 AMPS	
	93.5 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

SURFACE MOUNTED PANEL ELSHP 277/480 VOLT 3 PHASE 4 WIRE 100 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
1	LIGHTING	100	1	20	1	2	12	12	3/4"	2	LIGHTING	100	1	20	1	2	12	12	3/4"	L	0.5	
3	BLDG SOFFIT LIGHTING	100	1	20	1	2	12	12	3/4"	4	SPARE	100	1	20	----	--	----	----	----			
5	SPARE	100	1	20	----	--	----	----	----	6	SPARE	100	1	20	----	--	----	----	----			
7	SPARE	100	1	20	----	--	----	----	----	8	SPARE	100	1	20	----	--	----	----	----			
9	SPARE	100	1	20	----	--	----	----	----	10	SPARE	100	1	20	----	--	----	----	----			
11	SPARE	100	1	20	----	--	----	----	----	12	SPARE	100	1	20	----	--	----	----	----			
13	SPARE	100	1	20	----	--	----	----	----	14	SPARE	100	1	20	----	--	----	----	----			
15	SPARE	100	1	20	----	--	----	----	----	16	SPARE	100	1	20	----	--	----	----	----			
17	SPACE W/BUS	100	1	----	----	--	----	----	----	18	SPACE W/BUS	100	1	----	----	--	----	----	----			
19	SPACE W/BUS	100	1	----	----	--	----	----	----	20	SPACE W/BUS	100	1	----	----	--	----	----	----			
21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPACE W/BUS	100	1	----	----	--	----	----	----			
23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	SPACE W/BUS	100	1	----	----	--	----	----	----			
25	SPD UNIT	100	3	30	1	4	8	8	1"	26	T-ELSRP	100	3	100	1	3	3	8	1 1/4"			
27	----------	----	----	----	----	--	----	----	----	28	----------	----	----	----	----	--	----	----	----			
29	----------	----	----	----	----	--	----	----	----	30	----------	----	----	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>				
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
4	Other (appliances, etc.) [O]	1	N	24.8		24.8	31.0
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
4	CIRCUITS						

PANEL CONNECTED LOAD	24.8 KVA	@ 400 AMPS
PANEL DEMAND LOAD	24.8 KVA	144.1 CB MAX KVA
TOTAL PANEL LOAD	31.0 KVA	FED FROM MDP
	86.0 AMPS	(112.5 KVA XFMR)
SPARE CAPACITY =	87.7 KVA	
(BASED ON XFMR)	243.4 AMPS	
	78.0 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

SURFACE MOUNTED PANEL RPEV 120/208 VOLT 3 PHASE 4 WIRE 400 AMP BUS 400 AMP MAIN BREAKER 10,000 A.I.C.

CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
1	EV CHARGER	100	2	40	1	2	8	10	3/4"	2	EV CHARGER	100	2	40	1	2	8	10	3/4"	X	6.2	
3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
5	EV CHARGER	100	2	40	1	2	8	10	3/4"	6	EV CHARGER	100	2	40	1	2	8	10	3/4"	X	6.2	
7	----------	----	----	----	----	--	----	----	----	8	----------	----	----	----	----	--	----	----	----			
9	SPACE W/BUS	100	1	----	----	--	----	----	----	10	SPACE W/BUS	100	1	----	----	--	----	----	----			
11	SPACE W/BUS	100	1	----	----	--	----	----	----	12	SPACE W/BUS	100	1	----	----	--	----	----	----			
13	SPACE W/BUS	100	1	----	----	--	----	----	----	14	SPACE W/BUS	100	1	----	----	--	----	----	----			
15	SPACE W/BUS	100	1	----	----	--	----	----	----	16	SPACE W/BUS	100	1	----	----	--	----	----	----			
17	SPACE W/BUS	100	1	----	----	--	----	----	----	18	SPACE W/BUS	100	1	----	----	--	----	----	----			
19	SPACE W/BUS	100	1	----	----	--	----	----	----	20	SPACE W/BUS	100	1	----	----	--	----	----	----			
21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPACE W/BUS	100	1	----	----	--	----	----	----			
23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	SPACE W/BUS	100	1	----	----	--	----	----	----			
25	SPACE W/BUS	100	1	----	----	--	----	----	----	26	SPACE W/BUS	100	1	----	----	--	----	----	----			
27	SPACE W/BUS	100	1	----	----	--	----	----	----	28	SPACE W/BUS	100	1	----	----	--	----	----	----			
29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			
31		100	1	----	----	--	----	----	----	32		100	1	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
1	Lighting [L]	1	C	0.2		0.2	0.3
1	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>	0.7		0.7	0.7
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>			**	**
4	Other (appliances, etc.) [O]	1	N	2.5		2.5	2.5
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
6	CIRCUITS						

PANEL CONNECTED LOAD	3.4 KVA	@ 60 AMPS
PANEL DEMAND LOAD	3.4 KVA	21.6 CB MAX KVA
TOTAL PANEL LOAD	3.4 KVA	
	9.4 AMPS	
SPARE CAPACITY =	18.2 KVA	
(BASED ON CB)	50.6 AMPS	
	84.3 %	

FOR CONT. LOADS (C), TOTAL KVA=DEMAND KVA*1.25; FOR NONCONT. (N) & MOTOR/HEATING <M/H> LOADS, TOTAL KVA=DEMAND KVA
* IF RECEPTACLE LOAD IS >10KVA, RECEPTACLE DEMAND LOAD IS (CONNECTED LOAD - 10KVA) * .5 + 10KVA
** INDICATES GREATER OF HEATING OR COOLING. GREATEST SEASONAL LOAD = SAME

SURFACE MOUNTED PANEL ELSRP 120/208 VOLT 3 PHASE 4 WIRE 100 AMP BUS 60 AMP MAIN BREAKER 10,000 A.I.C.

CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	CKT NO.	FOR	BRANCH BREAKERS FRAME	POLES	TRIP	# SETS	WIRING #	SIZE	GND	COND.	TYPE	KVA	HP
1	FIRE ALARM SYS FACP	100	1	20	1	2	12	12	3/4"	2	FIRE ALARM PANEL	100	1	20	1	2	12	12	3/4"	O	0.5	
3	SECURITY SYSTEM	100	1	20	1	2	12	12	3/4"	4	ELEVATOR CAB LIGHTING	100	1	20	1	2	12	12	3/4"	L	0.2	
5	PRE-ACTION FA SYSTEM	100	1	20	1	2	12	12	3/4"	6	SPRINKLER AIR COMPRESSOR	100	1	15	1	2	12	12	3/4"	M	0.7	0.3
7	SPARE	100	1	20	----	--	----	----	----	8	SPARE	100	1	20	----	--	----	----	----			
9	SPARE	100	1	20	----	--	----	----	----	10	SPARE	100	1	20	----	--	----	----	----			
11	SPARE	100	1	20	----	--	----	----	----	12	SPARE	100	1	20	----	--	----	----	----			
13	SPARE	100	1	20	----	--	----	----	----	14	SPARE	100	1	20	----	--	----	----	----			
15	SPARE	100	1	20	----	--	----	----	----	16	SPARE	100	1	20	----	--	----	----	----			
17	SPARE	100	1	20	----	--	----	----	----	18	SPARE	100	1	20	----	--	----	----	----			
19	SPACE W/BUS	100	1	----	----	--	----	----	----	20	SPACE W/BUS	100	1	----	----	--	----	----	----			
21	SPACE W/BUS	100	1	----	----	--	----	----	----	22	SPACE W/BUS	100	1	----	----	--	----	----	----			
23	SPACE W/BUS	100	1	----	----	--	----	----	----	24	SPACE W/BUS	100	1	----	----	--	----	----	----			
25	SPACE W/BUS	100	1	----	----	--	----	----	----	26	SPACE W/BUS	100	1	----	----	--	----	----	----			
27	SPACE W/BUS	100	1	----	----	--	----	----	----	28	SPACE W/BUS	100	1	----	----	--	----	----	----			
29	SPACE W/BUS	100	1	----	----	--	----	----	----	30	SPACE W/BUS	100	1	----	----	--	----	----	----			

DWG. FILENAME: C:\Users\mscott\Documents\280601 Wilkens Police Precinct-Central-R21_mscottR85PQP.rvt

SEAL: STATE OF MARYLAND DAVID J. TWARDUP 21622 PROFESSIONAL ENGINEER 7/14/2025

DATE : 7/14/2025 2:35:19 PM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ENGINEER: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KEC
DWN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.

CONTRACT COMPLETION BOX | R.O.W NO. GSW

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
	14SW19	PLAN SCALE: 12" = 1'-0"	APPROVED BY:
			PROPERTY MANAGER
	14SW20	PROFILE SCALE:	
			DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

PANEL SCHEDULES

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
E803	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 259 OF 302	
DRAWING NUMBER	2024 - 1572
FILE NO.: 8	REV. 07/22

FIRE PROTECTION GENERAL NOTES

1. DESIGN AND INSTALL SUPERVISED AUTOMATIC SPRINKLER SYSTEMS THROUGHOUT THE BUILDING IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE CODES AND STANDARDS LISTED BELOW.
2. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE DESIGN, MATERIALS, AND EQUIPMENT FOR A FULLY FUNCTIONING AND OPERATING SPRINKLER SYSTEM, INCLUDING THE PROPER INTERFACE AND COORDINATION WITH MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.
3. IT IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS OF THE AUTHORITY HAVING JURISDICTION.
4. SYSTEM SHALL BE DESIGNED FOR PROTECTION OF PIPING AGAINST FROM EARTHQUAKES AS REQUIRED BY THE STATE AND REFERENCED NFPA 13.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE LOCATIONS OF SPRINKLERS AND PIPING WITH LIGHTING FIXTURES, DIFFUSERS, DUCTWORKS, CLEARANCE REQUIRED FOR EQUIPMENT ACCESS, CONDUITS, PIPES, STRUCTURAL MEMBERS, AND ALL OTHER OBSTRUCTIONS FOR A CODE COMPLIANT COVERAGE IN ACCORDANCE WITH NFPA 13.
6. STRUCTURAL MEMBERS SHALL NOT BE CUT OR PENETRATED UNLESS APPROVED BY THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER.
7. PIPING LAYOUTS, WHERE SHOWN, ARE DIAGRAMMATIC AND SHOW SYSTEM INTENT ONLY. THE CONTRACTOR SHALL PROVIDE FINAL LAYOUT AND HYDRAULIC CALCULATIONS IN ACCORDANCE WITH THE STATE BUILDING CODE AND REFERENCED NFPA 13.
8. SPRINKLER PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED THROUGH THE MAIN DRAIN VALVES FOR THE SYSTEM. WHERE TRAPPED SECTIONS OF PIPING CANNOT BE AVOIDED, AUXILIARY DRAINS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13. ALL TRAPPED SECTIONS OF PIPING SERVING MORE THAN ONE SPRINKLER SHALL BE PROVIDED WITH ACCESSIBLE AUXILIARY DRAIN VALVE OR DRAIN CAP AT LOW POINT OF TRAPPED SECTION.
9. PIPING SHALL NOT PENETRATE IN OR ABOVE ELECTRICAL ROOMS, COMMUNICATIONS ROOM, AND SIMILAR SPACES EXCEPT FOR PIPING SERVING THE SPRINKLERS PROTECTING THESE SPACES.
10. DO NOT INSTALL PIPING BELOW HVAC EQUIPMENT OR THAT INTERFERES WITH ANY TYPE OF ACCESS PANELS.
11. SPRINKLERS LOCATED IN AREAS EXPOSED TO STRUCTURE ABOVE SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.
12. SPRINKLERS SHALL BE PROVIDED BELOW DUCTWORK OR EQUIPMENT GREATER THAN 4 FEET IN WIDTH AND COMPLY WITH ALL APPLICABLE OBSTRUCTION RULES OF NFPA 13.
13. WHERE CEILING TILES ARE PROVIDED, SPRINKLERS SHALL BE CENTERED IN CEILING TILES.
14. SPRINKLER GUARDS SHALL BE PROVIDED ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE, INCLUDING ALL UTILITY ROOMS AND ON SPRINKLERS LOCATED LESS THAN 7 FEET ABOVE FINISHED FLOOR.
15. PROVIDE ORDINARY TEMPERATURE SPRINKLERS IN ALL AREAS EXCEPT WHERE INTERMEDIATE OR HIGH TEMPERATURE SPRINKLERS ARE SPECIFICALLY REQUIRED BY NFPA 13, INCLUDING ADJACENT TO HEATING DUCTS AND DIFFUSERS.
16. PROVIDE QUICK-RESPONSE SPRINKLERS IN LIGHT HAZARD SPACES IN ACCORDANCE WITH NFPA 13.
17. ALL SPRINKLER SYSTEM CONTROL VALVES SHALL BE ELECTRICALLY SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM UNLESS OTHERWISE NOTED.
18. ACCESS PANELS SHALL BE PROVIDED FOR SPRINKLER SYSTEM COMPONENTS REQUIRING ACCESS FOR MAINTENANCE OR TESTING.
19. UNDERGROUND FIRE SERVICE LINE SHALL BE TESTED AND FLUSHED BY THE UTILITY CONTRACTOR PRIOR TO CONNECTION TO THE SPRINKLER SYSTEM.
20. ALL PIPING SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13.
21. PROVIDE SPRINKLERS IN ALL CLOSETS.

CODES AND STANDARDS

2021 MARYLAND BUILDING CODE

2020 STATE OF MARYLAND FIRE PREVENTION CODE

NFPA 13, 2019 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

NFPA 24, 2019 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

AS PER LOCAL AUTHORITIES

NOTE: WHERE THERE ARE CONFLICTING REQUIREMENTS BETWEEN CODES AND STANDARDS, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

DESIGN CRITERIA

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 13 HAZARD CLASSIFICATIONS AND THEIR CORRESPONDING DESIGN DENSITY, DESIGN AREA, AND HOSE STREAM REQUIREMENTS. PIPE SCHEDULE METHOD IS NOT PERMITTED TO BE USED. MINIMUM SAFETY FACTOR OF 10 PSI SHALL BE PROVIDED.

1. LIGHT HAZARD: OFFICES, CLASSROOMS, CONFERENCE ROOMS, RESTROOMS, AND SIMILAR SPACES SHALL BE DESIGNED USING 0.1 GPM/SF OVER 1500 SQUARE FEET WITH 100 GPM HOSE STREAM. SEE FLOOR PLAN FOR INDIVIDUAL ROOM HAZARD TYPE AND CONSIDER THE MAXIMUM PROTECTION AREA ACCORDINGLY. MAXIMUM SPRINKLER PROTECTION AREA SHALL NOT EXCEED 225 SQUARE FEET (15 FEET MAXIMUM DISTANCE BETWEEN SPRINKLERS.) WITH MINIMUM K-FACTOR 5.6.
2. ORDINARY HAZARD GROUP 1: ELECTRICAL, TELECOM, MECHANICAL, KITCHEN, AND SIMILAR SPACES SHALL BE DESIGNED USING 0.15 GPM/SF OVER 1500 SQUARE FEET WITH 250 GPM HOSE STREAM. SEE FLOOR PLAN FOR INDIVIDUAL ROOM HAZARD TYPE AND CONSIDER THE MAXIMUM PROTECTION AREA ACCORDINGLY MAXIMUM SPRINKLER PROTECTION AREA SHALL NOT EXCEED 130 SQUARE FEET (12 FEET MAXIMUM DISTANCE BETWEEN SPRINKLERS.) WITH MINIMUM K-FACTOR 5.6.

SYMBOLS

PIPE FITTINGS

ECCENTRIC
CONCENTRIC
CAPPED CONNECTION
PIPE UNION
ELBOW TURNED UP
ELBOW TURNED DOWN
TEE DOWN

ANNOTATIONS

F / 1 — FIRE RISER DESIGNATION
1 — REVISION NUMBER

DETAIL ANNOTATIONS

2 / F-701 — DETAIL NUMBER; WHERE THE DETAIL IS DRAWN
2 / F-101 F-701 — DETAIL NUMBER; WHERE THE DETAIL IS DRAWN; WHERE THE DETAIL REFERENCED

PIPE REPRESENTATION

FIRE PROTECTION WET PIPING — X"
FIRE PROTECTION DRAINAGE PIPING — X" D
FIRE PROTECTION PRE-ACTION PIPING — X" FP-PA

PIPE VALVES AND ACCESSORIES

BUTTERFLY VALVE W/ TAMPER SWITCH
OS&Y VALVE W/ TAMPER SWITCH
DOUBLE CHECK VALVE / DETECTOR BACKFLOW PREVENTER (ASSE 1015, 1048)
BALL VALVE
CHECK VALVE
PRESSURE REDUCING VALVE
RISER CHECK VALVE (SHOTGUN RISER)
ALARM CHECK VALVE
DRY PIPE VALVE
FIRE PUMP
JOCKEY PUMP
PRESSURE GAUGE
PRESSURE SWITCH — FS
FLOW SWITCH
STRAINER
FIRE PUMP TEST CONNECTION
FIRE HYDRANT
FIRE HOSE CONNECTION (IN RISER) FIRE PIPING
FIRE HOSE CONNECTION (IN PLAN)
FIRE DEPARTMENT CONNECTION
FREE STANDING FIRE DEPARTMENT CONNECTION
PRESSURE RELIEF VALVE
UPRIGHT SPRINKLER HEAD
PENDANT SPRINKLER HEAD
UPRIGHT SPRINKLER HEAD IN PRE-ACTION ZONE — D
CONCEALED SPRINKLER HEAD IN PRE - ACTION ZONE — D
SMOKE DETECTOR — S
VERTICAL FLOOR CONTROL VALVE ASSEMBLY — TDA, FS

NOTE: ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

ABBREVIATIONS

AAV	AUTO AIR VENT
ABV	ABOVE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERS
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BLW	BELOW
BMS	BUILDING MANAGEMENT SYSTEM
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUATION
CW	COLD WATER
DCWASA	D.C. WATER AND SEWER AUTHORITY
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E	EXISTING
EA	EACH
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
F	FIRE
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FL	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPT	FIRE PUMP TEST HEADER CONN
FS	FLOW SWITCH
FT	FEET
FP-PA	PRE ACTION SYSTEM
FACP	FIRE ALARM CONTROL PANEL
GAL	GALLON
GPM	GALLONS PER MINUTE
HC-1	HAZARD CATEGORY 1
HC-2	HAZARD CATEGORY 2
HDPE	HIGH DENSITY POLYETHYLENE
HP	HORSE POWER
IN	INCH
INV	INVERT
KW	KILOWATT
LH	LIGHT HAZARD
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
N	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
OH	ORDINARY HAZARD
OS&Y	OUTSIDE STEM AND YOLK
P	PUMP
PH	PHASE (ELECTRICAL)
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PTFE	POLYTETRAFLUOROETHYLENE
QR	QUICK RESPONSE
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY/WASTE PIPE
SF	SQUARE FEET
SS	STAINLESS STEEL
STP	STANDPIPE
STRUC	STRUCTURAL
TDA	TEST AND DRAIN ASSEMBLY W/ PRESSURE RELIEF
TEMP	TEMPERATURE
TYP	TYPICAL
W	WATT
WM	WATER METER
WTR	WATER
W/	WITH
W/O	WITHOUT

NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

FIRE PROTECTION DRAWING LIST

SHEET	DRAWING	TITLE
260	F-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
261	F-002	ZONING PLAN - FIRE PROTECTION
262	F-101.1	FIRST FLOOR PLAN - WING A - FIRE PROTECTION
263	F-101.2	FIRST FLOOR PLAN - WING B - FIRE PROTECTION
264	F-102.1	SECOND FLOOR PLAN - WING A - FIRE PROTECTION
265	F-102.2	SECOND FLOOR PLAN - WING B - FIRE PROTECTION
266	F-501	FIRE PROTECTION RISER DIAGRAMS AND SCHEDULES
267	F-601	FIRE PROTECTION CALCULATION
268	F-701	FIRE PROTECTION DETAILS
269	F-702	FIRE PROTECTION DETAILS

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01
DWG. FILENAME:

SEAL — STATE OF MARYLAND, ROBERT N. THOMAS, 44123, PROFESSIONAL ENGINEER
DATE : 6/20/2025 11:40:33 AM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123, EXPIRATION DATE 06/09/2025.
ENGINEER: ROBERT N. THOMAS
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: AK
DWN BY: VK
CHKD BY: RT

AS-BUILT / REVISION | BY | DATE
CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | GSW | 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: NTS; PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

GENERAL NOTES, SYMBOLS & ABBREVIATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

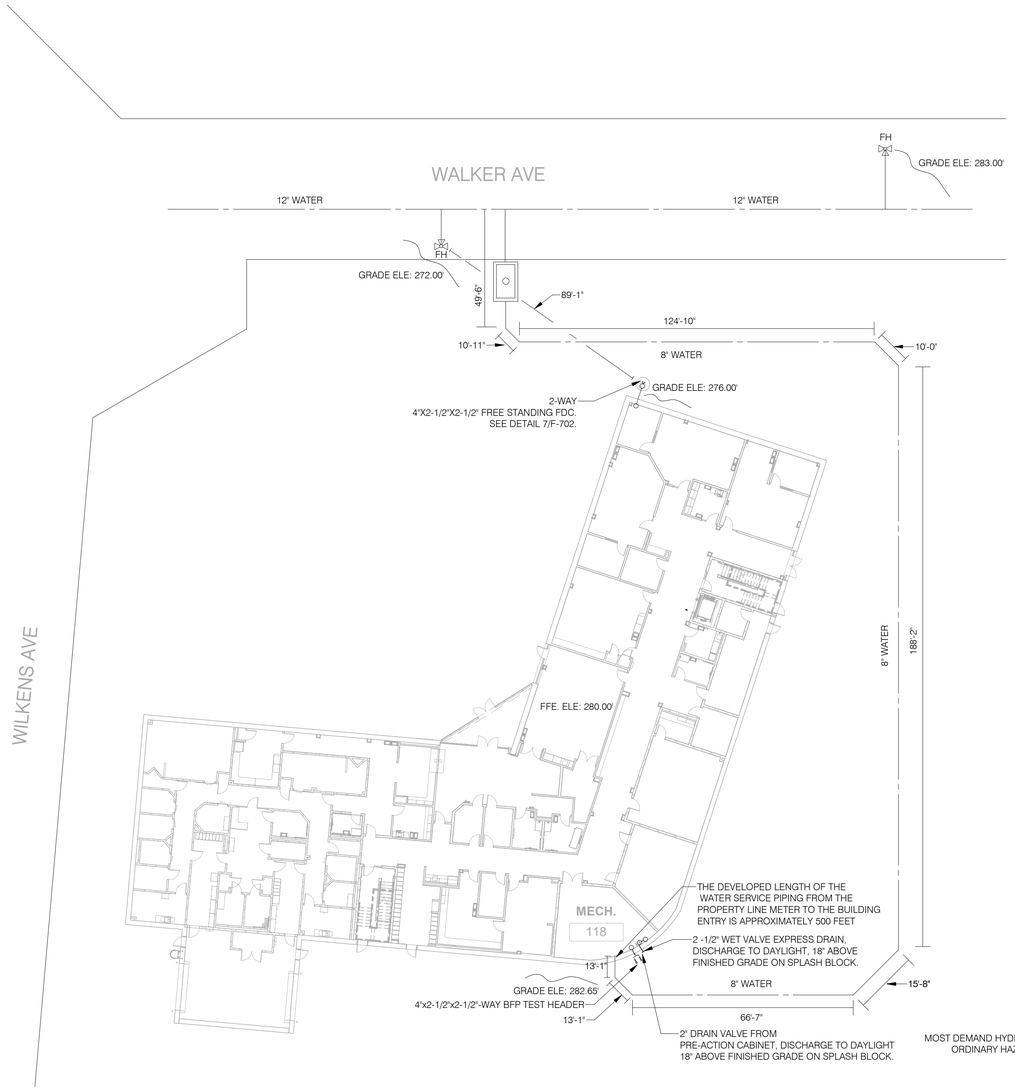
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

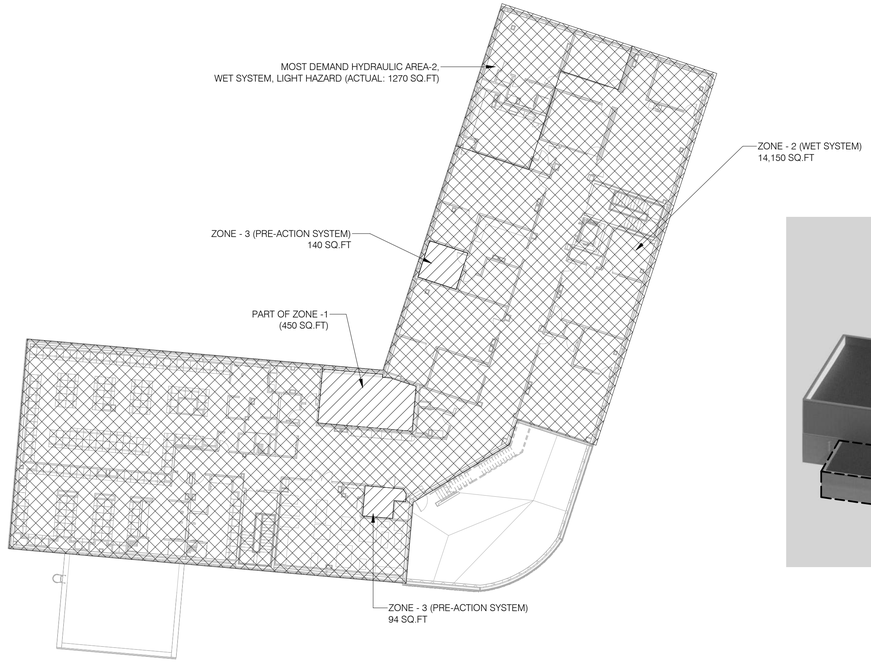
SHEET DESIGNATION	CONTRACT NUMBER
F-001	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 260 OF 302	
DRAWING NUMBER	2024-1573
FILE NO.: 8	REV. 07.22

BALTIMORE COUNTY MARYLAND

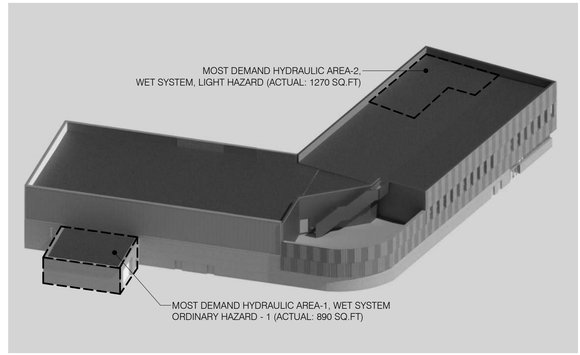
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED



3 F-002 FIRE PROTECTION - SITE PLAN
3/64" = 1'-0"
0 4' 8' 16'



2 F-002 SECOND FLOOR PLAN - FIRE PROTECTION ZONING
3/64" = 1'-0"
0 4' 8' 16'



4 F-002 ISOMETRIC BUILDING VIEW_1
NO SCALE

1 F-002 FIRST FLOOR PLAN - FIRE PROTECTION - ZONING
3/64" = 1'-0"
0 4' 8' 16'

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPO231913.01
DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123 EXPIRATION DATE 06/09/2025

ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY:

DATE: 6/20/2025 11:40:39 AM

DGN BY: AK
DWN BY: VK
CHKD BY: RT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19, 14SW20, 15SW19, 15SW20 | PLAN SCALE: As indicated | PROFILE SCALE:

APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ZONING PLAN - FIRE PROTECTION

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-002	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 261 OF 302	
DRAWING NUMBER	2024-1574
FILE NO.: 8	

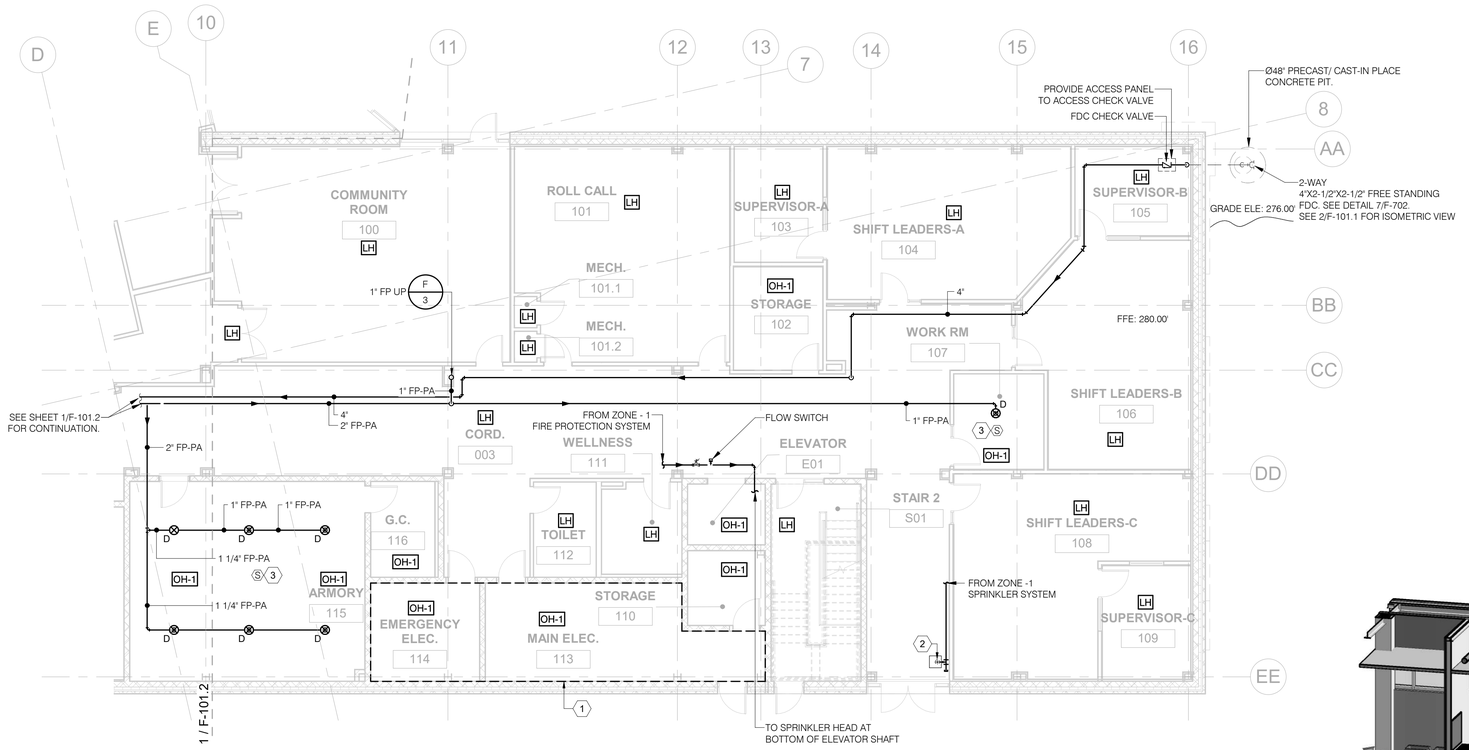
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

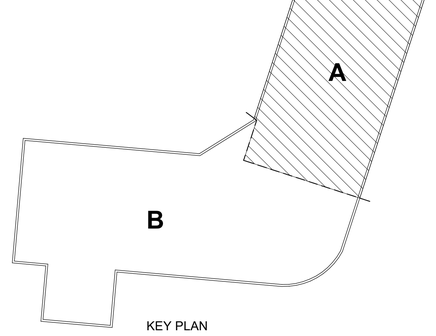
1. REFER TO SHEET F-001 FOR GENERAL NOTES, SYMBOL, AND PRODUCT REQUIREMENT.
2. REFER TO SHEET F-002 FOR ZONING REQUIREMENT.
3. ALL AREAS SHALL BE PROTECTED BY WET PIPE SPRINKLER SYSTEMS UNLESS OTHERWISE NOTED.

(#) SHEET KEY NOTES

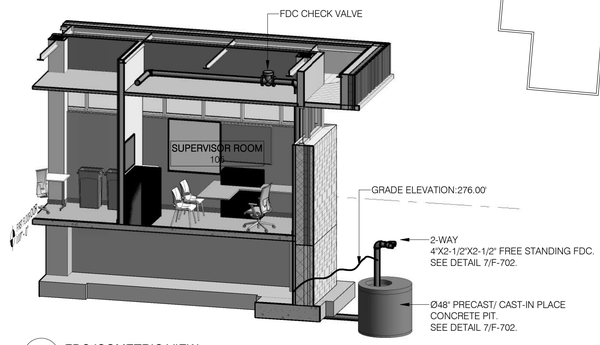
1. PIPING SHALL NOT PENETRATE IN OR ABOVE THIS ROOM, EXCEPT FOR PIPING SERVING THE SPRINKLERS PROTECTING THIS ROOM.
2. PROVIDE AUTOMATIC AIR RELEASE VALVE PIPED TO DRAIN AT HIGH POINT OF SYSTEM WITH MIN OF 16" X 16" ACCESS PANEL. BASIS OF DESIGN: UNITED FIRE SYSTEM, MODEL NUMBER AR-1. SEE DETAIL 1/F-702.
3. PROVIDE SMOKE DETECTOR AND CONNECT SIGNAL WIRING TO DOUBLE INTERLOCK PREACTION SYSTEM CONTROL PANEL TO RELEASE THE PREACTION VALVE. REFER FA SPECIFICATION FOR MORE DETAILS.



1 F-101.1 FIRST FLOOR PLAN - WING A - FIRE PROTECTION
1/8" = 1'-0"
0 4' 8' 16'



KEY PLAN



2 F-101.1 FDC ISOMETRIC VIEW
NO SCALE

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BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME:

SEAL: STATE OF MARYLAND · ROBERT N. THOMAS · 44123 · PROFESSIONAL ENGINEER

DATE : 6/20/2025 11:40:41 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123, EXPIRATION DATE 06/09/2025 .

ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: AK
DRN BY: VK
CHKD BY: RT

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" ; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER ; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR PLAN - WING A - FIRE PROTECTION

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-101.1	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 262 OF 302	
DRAWING NUMBER	2024-1575
FILE NO.: 8	REV. 07-12

BALTIMORE COUNTY MARYLAND

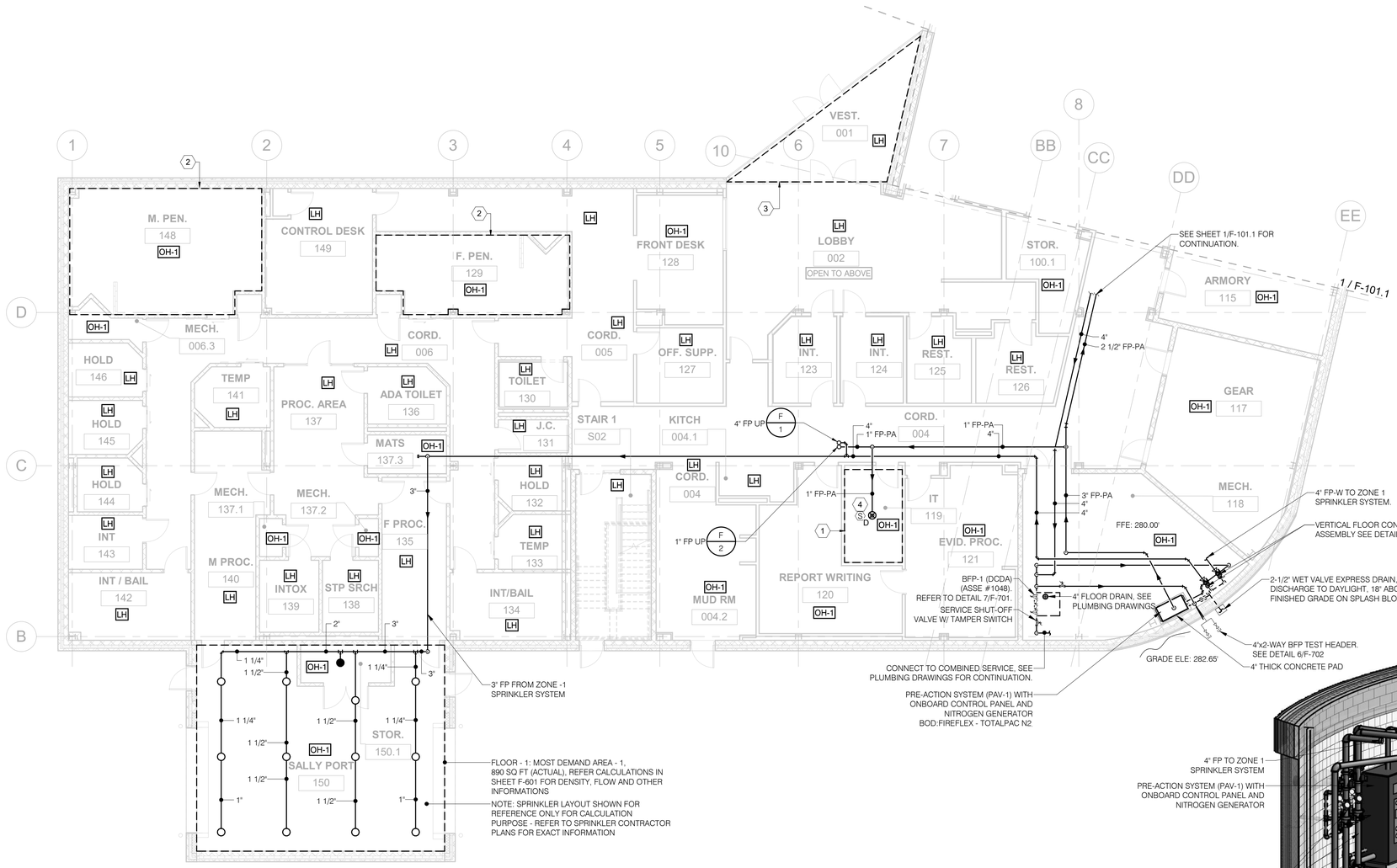
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

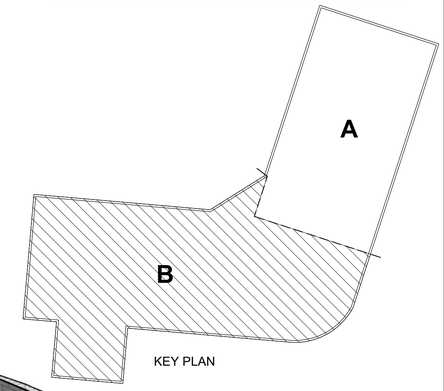
1. REFER TO SHEET F-001 FOR GENERAL NOTES, SYMBOL, AND PRODUCT REQUIREMENT.
2. REFER TO SHEET F-002 FOR ZONING REQUIREMENT.
3. ALL AREAS SHALL BE PROTECTED BY WET PIPE SPRINKLER SYSTEMS UNLESS OTHERWISE NOTED.

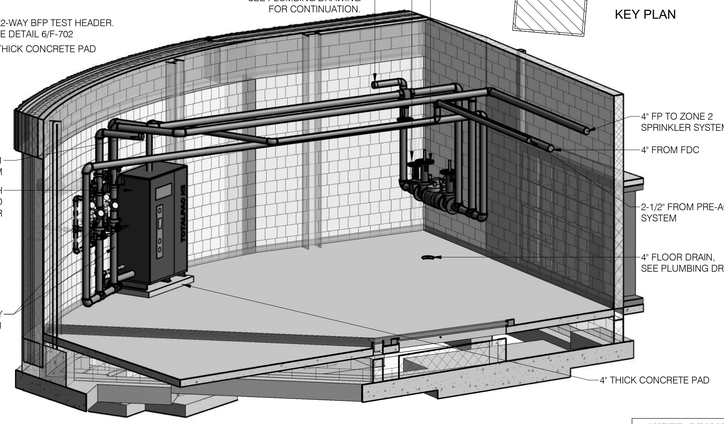
(#) SHEET KEY NOTES

1. PIPING SHALL NOT PENETRATE IN OR ABOVE THIS ROOM, EXCEPT FOR PIPING SERVING THE SPRINKLERS PROTECTING THIS ROOM.
2. PROVIDE INSTITUTIONAL TYPE SPRINKLER HEAD IN THIS ROOM.
3. VESTIBULE AREA SHALL BE PROTECTED USING DRY SIDEWALL SPRINKLERS FED BY THE WET-PIPE SPRINKLER SYSTEM.
4. PROVIDE SMOKE DETECTOR AND CONNECT SIGNAL WIRING TO DOUBLE INTERLOCK PREACTION SYSTEM CONTROL PANEL TO RELEASE THE PREACTION VALVE. REFER FA SPECIFICATION FOR MORE DETAILS.



1 / F-101.2 FIRST FLOOR PLAN - WING B - FIRE PROTECTION
1/8" = 1'-0"
0 4' 8' 16'





2 / F-101.2 MECHANICAL ROOM - ISOMETRIC VIEW
NO SCALE

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123, EXPIRATION DATE 06/09/2025

ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : 6/20/2025 11:40:47 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY:	AK
DWN BY:	VK
CHKD BY:	RT

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR PLAN - WING B - FIRE PROTECTION

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-101.2	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 263 OF 302	
DRAWING NUMBER	2024-1576
FILE NO.: 8	REV. 0.0.22

DWG. FILENAME:

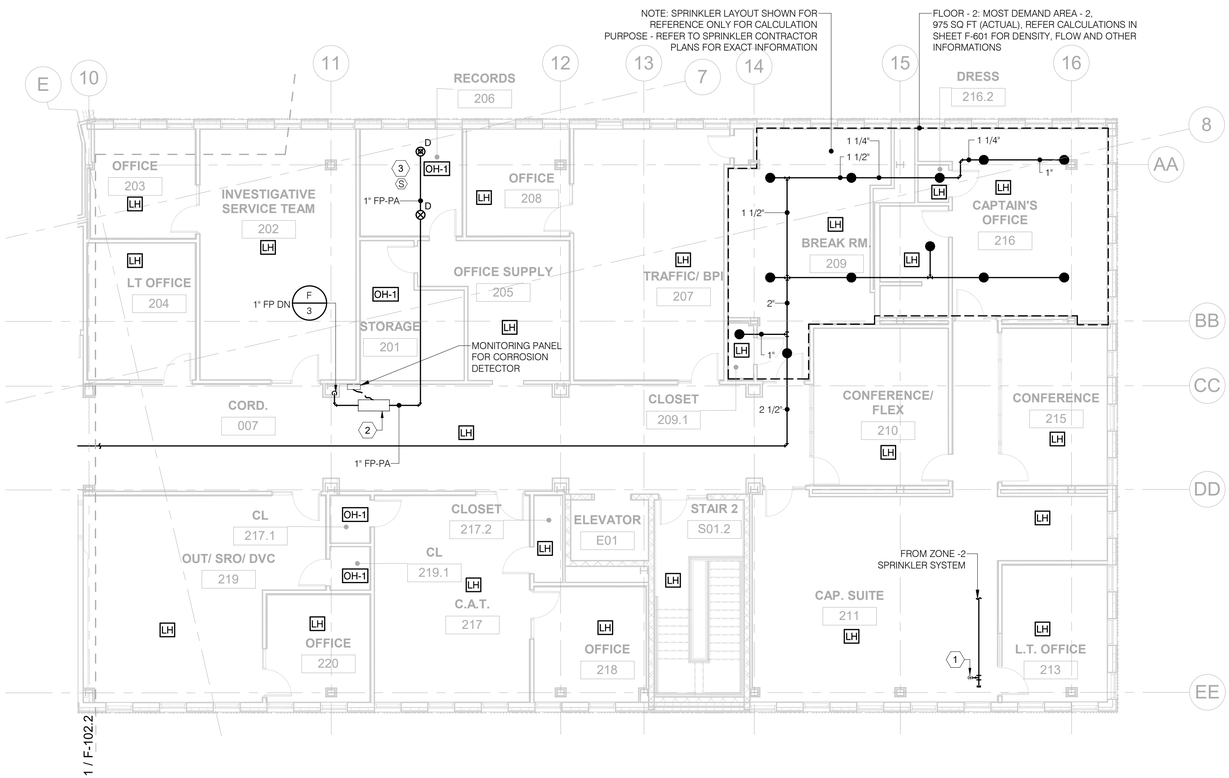
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

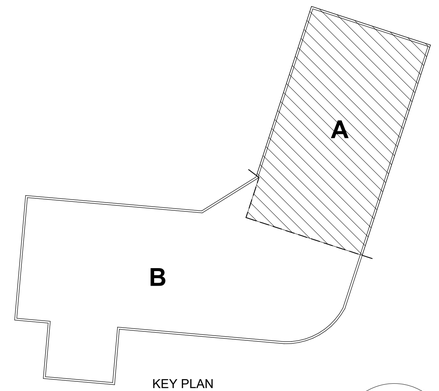
1. REFER TO SHEET F-001 FOR GENERAL NOTES, SYMBOL, AND PRODUCT REQUIREMENT.
2. REFER TO SHEET F-002 FOR ZONING REQUIREMENT.
3. ALL AREAS SHALL BE PROTECTED BY WET PIPE SPRINKLER SYSTEMS UNLESS OTHERWISE NOTED.

(#) SHEET KEY NOTES

1. PROVIDE AUTOMATIC AIR RELEASE VALVE PIPED TO DRAIN AT HIGH POINT OF SYSTEM. BASIS OF DESIGN: UNITED FIRE SYSTEM, MODEL NUMBER AR-1. SEE DETAIL 1/F-702.
2. IN-LINE CORROSION DETECTOR W/ PRESSURE SWITCH, DRY CONTACTS WIRED TO REMOTE MONITORING.
3. PROVIDE SMOKE DETECTOR AND CONNECT SIGNAL WIRING TO DOUBLE INTERLOCK PREACTION SYSTEM CONTROL PANEL TO RELEASE THE PREACTION VALVE. REFER FA SPECIFICATION FOR MORE DETAILS.



1 F-102.1 SECOND FLOOR PLAN - WING A - FIRE PROTECTION
1/8" = 1'-0" 0 4' 8' 16'



KEY PLAN

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME:

SEAL: STATE OF MARYLAND · ROBERT N. THOMAS · 44123 · PROFESSIONAL ENGINEER
DATE : 6/20/2025 11:40:51 AM

PROFESSIONAL CERTIFICATION

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ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

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PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER ; DATE:

DGN BY: AK	DRN BY: VK	CHKD BY: RT

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR PLAN - WING A - FIRE PROTECTION

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-102.1	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 264 OF 302
	DRAWING NUMBER
	2024-1577
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

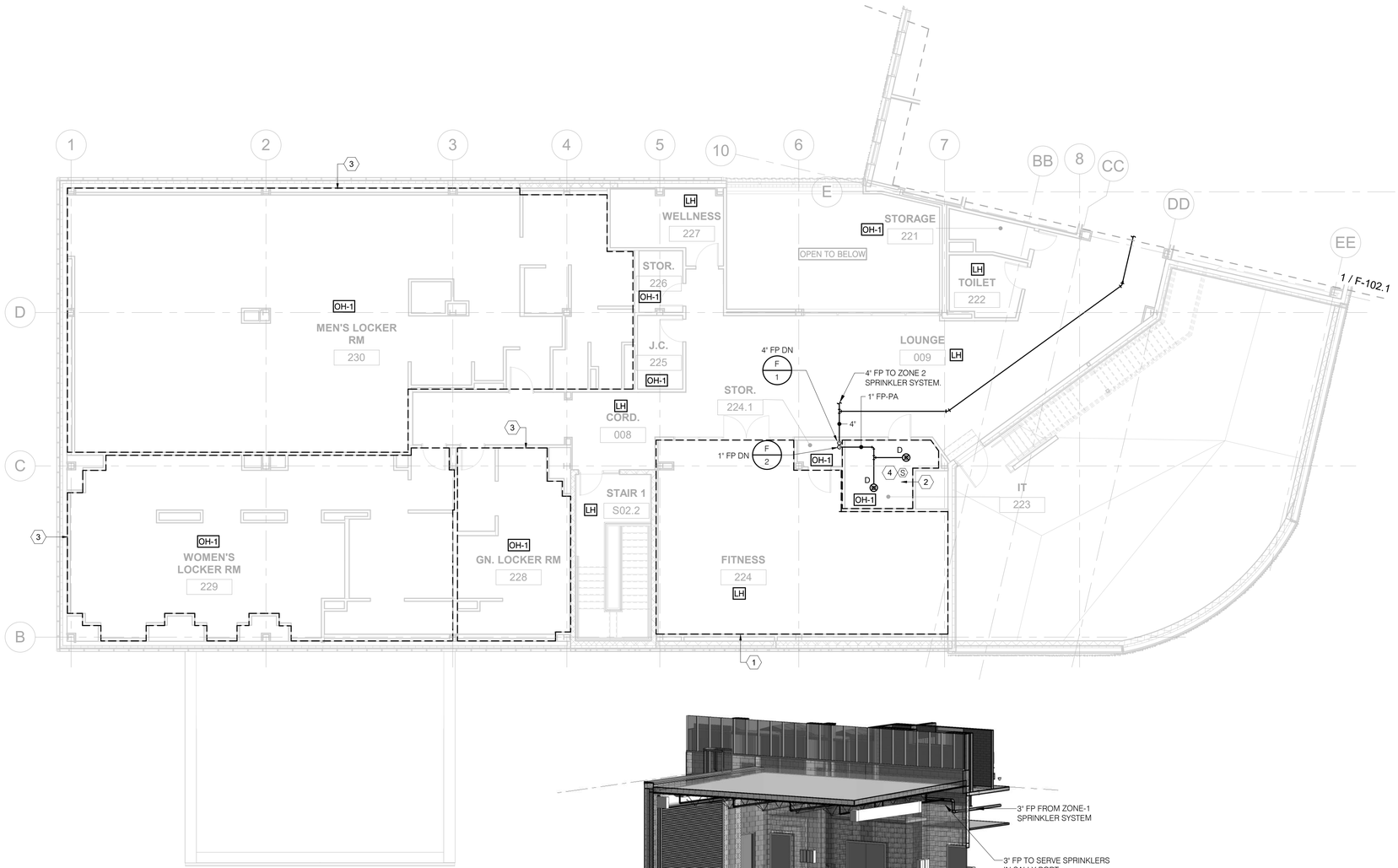
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

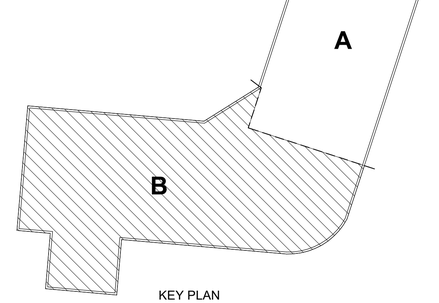
GENERAL NOTES

1. REFER TO SHEET F-001 FOR GENERAL NOTES, SYMBOL, AND PRODUCT REQUIREMENT.
2. REFER TO SHEET F-002 FOR ZONING REQUIREMENT.
3. ALL AREAS SHALL BE PROTECTED BY WET PIPE SPRINKLER SYSTEMS UNLESS OTHERWISE NOTED.

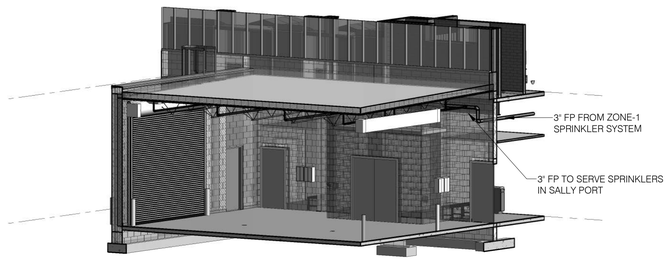
(#) SHEET KEY NOTES

1. SPRINKLER HEADS TO BE PROVIDED WITH GUARDS IN THE GYM AREA.
2. PIPING SHALL NOT PENETRATE IN OR ABOVE THIS ROOM, EXCEPT FOR PIPING SERVING THE SPRINKLERS PROTECTING THIS ROOM.
3. PROVIDE PTFE IN THIS ROOM.
4. PROVIDE SMOKE DETECTOR AND CONNECT SIGNAL WIRING TO DOUBLE INTERLOCK PREACTION SYSTEM CONTROL PANEL TO RELEASE THE PREACTION VALVE. REFER FA SPECIFICATION FOR MORE DETAILS.





KEY PLAN



1 F-102.2 SECOND FLOOR PLAN - WING B - FIRE PROTECTION
1/8" = 1'-0" (0, 4', 8', 16')

2 F-102.2 SALLY PORT-3D VIEW
NO SCALE

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BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPO231913.01
DWG. FILENAME:

SEAL

PROFESSIONAL CERTIFICATION

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ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE: 6/20/2025 11:40:55 AM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: AK
DWN BY: VK
CHKD BY: RT

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR PLAN - WING B - FIRE PROTECTION

NEW BUILDING DESIGN

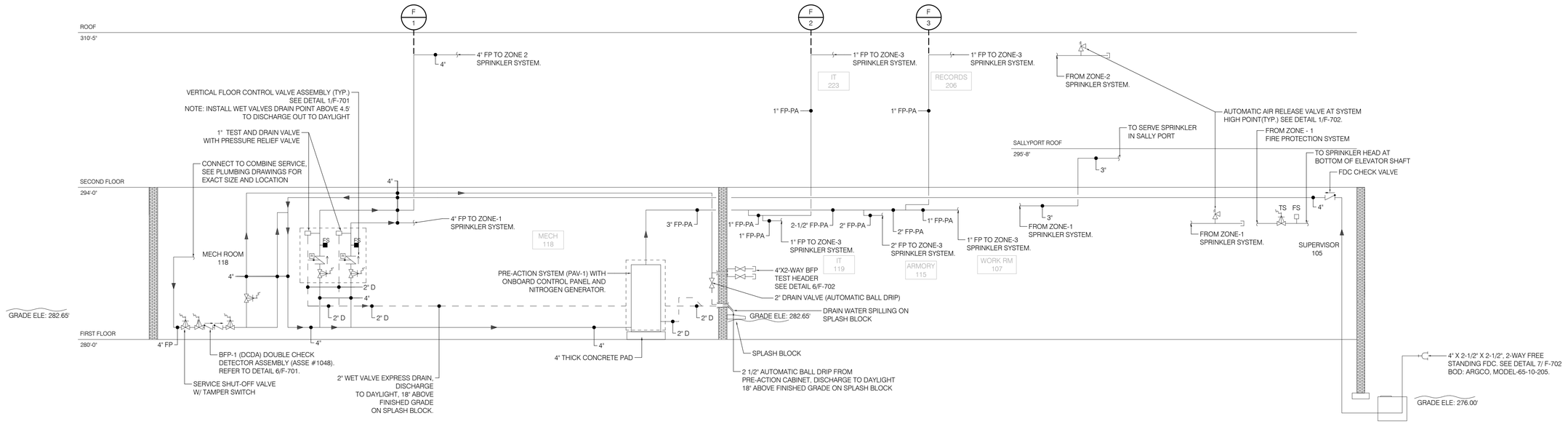
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-102.2	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 265 OF 302	
DRAWING NUMBER	2024-1578
FILE NO.: 8	REV. 07/22

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED



1 / F-501 RISER DIAGRAM

SCALE: NOT TO SCALE

BACKFLOW PREVENTER SCHEDULE

ID	SERVICE	LOCATION	PREVENTER DESCRIPTION	ASSE #	BASIS OF DESIGN
BFP-1	FIRE PROTECTION SERVICE	MECH ROOM - FIRST FLOOR	4" DOUBLE CHECK DETECTOR ASSEMBLY	ASSE 1048	WATTS - 709 DCDA

WET PIPE VALVE ASSEMBLY

ID	SERVICE	LOCATION	MODEL / REMARKS	ELECTRICAL REQUIREMENT	EMERGENCY POWER	BMS / FA PANEL
WPV-1	WET PIPE VALVE, SERVING THE WET SYSTEM ON FIRST AND SECOND FLOOR	MECHANICAL ROOM	VIKING SERIES 751 FIRELOCK ALARM CHECK VALVE WITH A 4-INCH WET PIPE VALVE, MODEL 752 RETARD CHAMBER	(1) TAMPER SWITCH CONTROL VALVE AND (1) FLOW SWITCH	YES	CONNECT SIGNALS BMS THROUGH FACP

PREACTION PIPE VALVE WITH N2 GENERATOR ASSEMBLY CABINET

ID	SERVICE	LOCATION	MODEL / REMARKS	ELECTRICAL REQUIREMENT	EMERGENCY POWER	BMS / FA PANEL
PAV-1	PREACTION VALVE, SERVING THE IT ROOM	MECHANICAL ROOM	VIKING FIREFLEX TOTAL PAC-N2 CABINET WITH A 3-INCH PREACTION VALVE, DOUBLE INTERLOCK, ELECTRICAL- ELECTRICAL/ PNUEMATIC TYPE WITH INTEGRATED RELEASE PANEL VFR-400.	(1) ALARM PRESSURE SWITCH & (1) AIR PRESSURE SUPERVISORY SWITCH	YES	CONNECT SIGNALS BMS THROUGH FACP
			MODEL ECS PGEN-5 FF NITROGEN GENERATOR	(1) TAMPER SWITCH CONTROL VALVE AND (1) FLOW SWITCH		
			MODEL ECS PSV-D SMART VENT	1/2 HP, 115/120VAC, 60Hz – 15 AMP N2 GENERATOR AIR COMPRESSOR & 115/120VAC, 60Hz TO POWER THE VFR-400 RELEASE CONTROL PANEL		
			ECS SMART PROTECTOR GAS ANALYZER	115/120VAC, 60Hz –GAS ANALYZER		
			ECS INLINE CORROSION DETECTOR	(1) PRESSURE SWITCH FOR CORROSION DETECTOR		

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BALTIMORE, MD 21201
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www.SETTY.com

PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME:

SEAL

STATE OF MARYLAND · ROBERT N. THOMAS · 44123 · PROFESSIONAL ENGINEER

DATE : 6/20/2025 11:40:56 AM

PROFESSIONAL CERTIFICATION

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ENGINEER: ROBERT N. THOMAS

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: AK

DWN BY: VK

CHKD BY: RT

AS–BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DRAWING SCALE

PLAN SCALE: 1/8" = 1'-0"

PROFILE SCALE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE PROTECTION RISER DIAGRAMS AND SCHEDULES

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-501	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 266 OF 302	
DRAWING NUMBER	2024-1579
FILE NO.: 8	REV. 0

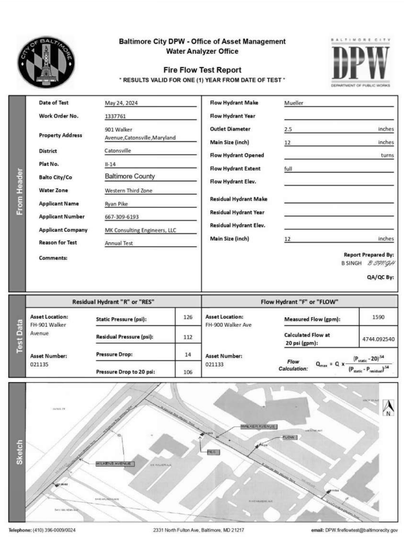
BALTIMORE COUNTY MARYLAND

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

FIRE PROTECTION SYSTEM

SYSTEM INFORMATION			
SYSTEM TYPE		WET	WET
HAZARD CLASS		LH	OH1
MOST DEMANDING HYDRAULIC AREA DESCRIPTION		MOST DEMAND AREA-2 AT SECOND FLOOR	MOST DEMAND AREA-1 AT FIRST FLOOR, SALLY PORT
SPRINKLER RESPONSE		QUICK	QUICK
MAXIMUM COVERAGE/SPRINKLER HEAD	SF	225	130
DENSITY (0.1 FOR LH, 0.15 FOR OH-GH1, 0.2 FOR OH-G2)	GPM/SF	0.1	0.15
PRESCRIBED HYDRAULIC AREA	SF	1500	1500
HOSE STREAM	GPM	100	250
SPRINKLER K-FACTOR	GPM/PSI ^ 1/2	5.6	5.6
AREA CEILING HEIGHT	FT	10	16
QR SPRINKLERS AREA REDUCTION ADJUSTMENT	%	-40%	-31%
CEILING SLOPED MORE THAN 16%?		NO	NO
SLOPED CEILING AREA ADJUSTMENT		0%	0%
DRY SYSTEM AREA ADJUSTMENT (DRY & DOUBLE INTERLOCK)		0%	0%
ADJUSTED HYDRAULIC AREA	SF	900	1035
MINIMUM REQUIRED FLOW AT A SPRINKLER	GPM	22.5	19.5
MINIMUM PRESSURE AT THE MOST REMOTE SPRINKLER HEAD	PSI	16.14	12.13
NUMBER OF ACTIVE SPRINKLERS	#	13	9
OVERAGE DUE TO HYDRAULIC BALANCING	%	20	20
ESTIMATED SPRINKLER FLOW	GPM	351	211
THEORETICAL SPRINKLER FLOW	GPM	108	270
DESIGN SPRINKLER FLOW	GPM	351	270
DESIGN FIRE FLOW	GPM	451	520
ELEVATION PRESSURE LOSSES			
ELEVATION RESIDUAL HYDRANT	FT.	280	280
ELEVATION OF HIGHEST SPRINKLER	FT.	310	295
ELEVATION PRESSURE LOSS	PSI	12.99	6.50
EQUIPMENT PRESSURE LOSSES			
WATER METER LOSS AT DESIGN SPRINKLER FLOW	PSI	8	8
BACKFLOW PREVENTER LOSS AT DESIGN SPRINKLER FLOW	PSI	8	8

UNDERGROUND PIPING LOSSES			
DOMESTIC DEMAND ON SHARED MAIN	GPM	300	300
LENGTH OF UNDERGROUND PIPING	FT.	470	470
UNDERGROUND FITTING FACTOR	%	50	50
UNDERGROUND EQUIVALENT LENGTH	FT.	705	705
UNDERGROUND PIPE TYPE		DR 14 PVC	DR 14 PVC
UNDERGROUND C-FACTOR		150	150
UNDERGROUND PIPE NOMINAL SIZE	NPS	6	6
UNDERGROUND PIPE INTERNAL DIAMETER	IN.	5.86	5.86
PRESSURE LOSS PER FOOT	PSI/FT.	0.0124	0.0097
UNDERGROUND PIPE FRICTION LOSS	PSI	8.77	6.86
MAIN PIPING LOSSES			
LENGTH OF PIPE BETWEEN ZONE CONTROL & BACKFLOW PREVENTER	FT.	240	150
ZONE MAIN FITTING FACTOR	%	50	50
ZONE MAIN EQUIVALENT LENGTH	FT.	360	225
ZONE MAIN PIPE TYPE		SCH 40	SCH 40
MAIN PIPE NOMINAL SIZE	NPS	4.0	4.0
MAIN PIPE INTERNAL DIAMETER	IN.	4.03	4.03
MAIN PRESSURE LOSS PER FOOT	PSI/100 FT.	0.50	1.39
MAIN PIPE FRICTION LOSS	PSI	1.80	3.13
BRANCHLINE LOSSES			
ESTIMATED BRANCHLINE LENGTH	FT.	145	120
ESTIMATED BRANCHLINE PRESSURE LOSS	PSI	9	9
SYSTEM PRESSURE REQUIREMENT			
PRESSURE SAFETY FACTOR	PSI	10	10
DESIGN PRESSURE DEMAND	PSI	75.1	64.6
DESIGN FIRE FLOW	GPM	451.0	520.0
MUNICIPAL WATER SUPPLY DATA			
STATIC PRESSURE	PSI	122	122
PR (RESIDUAL PRESSURE)	PSI	104	104
QT, QR (TOTAL FLOW OR RESIDUAL FLOW)	GPM	1560	1560
CITY PRESSURE AT SYSTEM FLOW	PSI	120	120
EXCESS PRESSURE ABOVE DEMAND		45	55
FIRE PUMP REQUIRED?		NO	NO



Baltimore City DPW - Office of Asset Management
Water Analyzer Office

Fire Flow Test Report

" RESULTS VALID FOR ONE (1) YEAR FROM DATE OF TEST "

BALTIMORE CITY DPW — DEPARTMENT OF PUBLIC WORKS

From Header

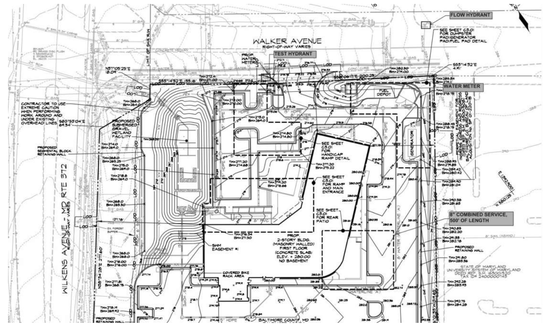
Date of Test	May 24, 2024	Flow Hydrant Make	Mueller
Work Order No.	1337761	Flow Hydrant Year	
Property Address	901 Walker Avenue,Catonsville,Maryland	Outlet Diameter	2.5 inches
District	Catonsville	Main Size (inch)	12 inches
Plat No.	9-14	Flow Hydrant Opened	turns
Baltimore City/Co	Baltimore County	Flow Hydrant Extent	full
Water Zone	Western Third Zone	Flow Hydrant Elev.	
Applicant Name	Ryan Pike	Residual Hydrant Make	
Applicant Number	667-309-6193	Residual Hydrant Year	
Applicant Company	MK Consulting Engineers, LLC	Residual Hydrant Elev.	
Reason for Test	Annual Test	Main Size (inch)	12 inches
Comments:		Report Prepared By: B SINGH	
		QA/QC By:	

Test Data

Residual Hydrant "R" or "RES"			Flow Hydrant "F" or "FLOW"		
Asset Location: FH-901 Walker Avenue	Static Pressure (psi):	126	Asset Location: FH-900 Walker Ave	Measured Flow (gpm):	1590
	Residual Pressure (psi):	112		Calculated Flow at 20 psi (gpm):	4744.092540
Asset Number: 021135	Pressure Drop:	14	Asset Number: 021133	Flow Calculation:	$Q_{rated} = Q_t \times \frac{(P_{static} - 20)^{.54}}{(P_{static} - P_{residual})^{.54}}$
	Pressure Drop to 20 psi:	106			

Sketch

Telephone: (410) 396-0009/0024 — 2331 North Fulton Ave, Baltimore, MD 21217 — email: DPW.fireflowtest@baltimorecity.gov

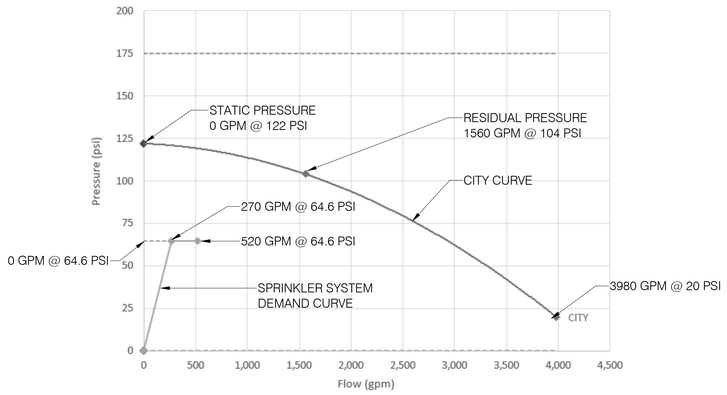


2 / F-601 FLOW TEST DATA
SCALE: NOT TO SCALE

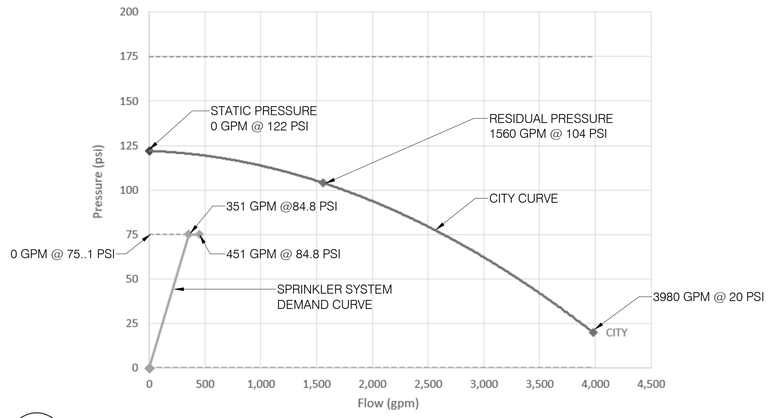
PRE-ACTION (DOUBLE INTERLOCK) SYSTEM VOLUME

NOMINAL DIAMETER (INCH)	THICKNESS	LENGTH (FEET)	INTERNAL DIAMETER (INCH)	VOLUME (GALLON/FT)	VOLUME (GALLONS)
1.00	SCEDHULE 40	230	1.049	0.045	10.3
1.25	SCEDHULE 40	20	1.380	0.078	1.6
2	SCEDHULE 40	50	2.067	0.174	8.7
2.5	SCEDHULE 40	20	2.469	0.249	5
3	SCEDHULE 40	40	3.068	0.384	15.4
				TOTAL VOLUME	40.9

1 / F-601 SPRINKLER DEMAND ESTIMATE
SCALE: NOT TO SCALE



3 / F-601 SPRINKLER DEMAND CURVE-MOST DEMAND AREA-1
SCALE: NOT TO SCALE



4 / F-601 SPRINKLER DEMAND CURVE-MOST DEMAND AREA-2
SCALE: NOT TO SCALE

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com

PROJECT NUMBER: SIPQ231913.01
DWG. FILENAME:

SEAL — STATE OF MARYLAND — ROBERT N. THOMAS — 44123 — PROFESSIONAL ENGINEER
DATE : 6/20/2025 11:40:57 AM

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123, EXPIRATION DATE 06/09/2025.
ENGINEER: ROBERT N. THOMAS
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: AK
DWN BY: VK
CHKD BY: RT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE — PLAN SCALE: NTS — PROFILE SCALE:

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

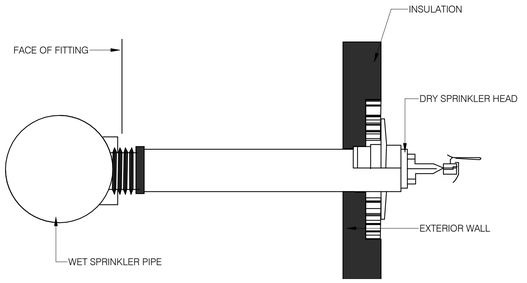
FIRE PROTECTION CALCULATION

NEW BUILDING DESIGN

SUBDIVISION: WILKENS — 901 Walker Ave Catonsville, Maryland, 21228 — ELECTION DIST. NO.: 01C1

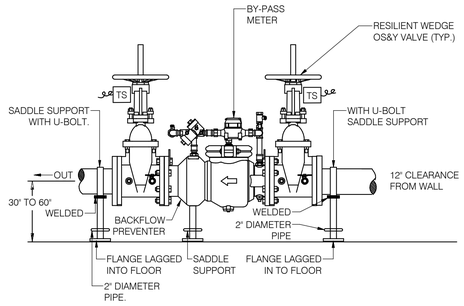
SHEET DESIGNATION	CONTRACT NUMBER
F-601	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 267 OF 302	
DRAWING NUMBER	2024-1580
FILE NO.: 8	REV. 0

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED



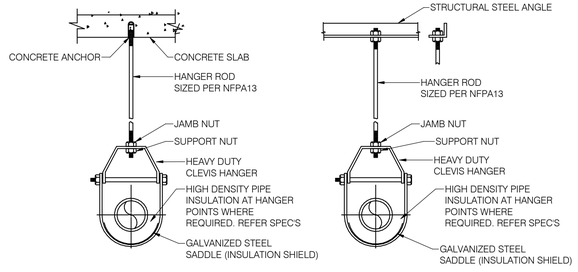
9 / F-701 DRY SIDEWALL SPRINKLER DETAIL

SCALE: NOT TO SCALE



6 / F-701 DOUBLE CHECK DETECTOR ASSEMBLY DETAIL

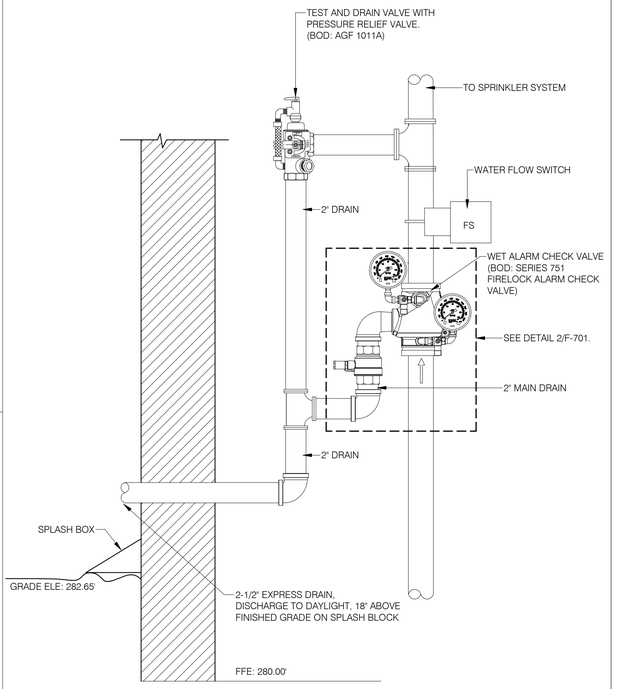
SCALE: NOT TO SCALE



MAXIMUM DISTANCE BETWEEN HANGERS (FEET - INCHES)												
	NOMINAL PIPE SIZE (IN INCHES)											
	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
STEEL PIPE EXCEPT THREADED LIGHT WALL	N/A	12 - 0	12 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0

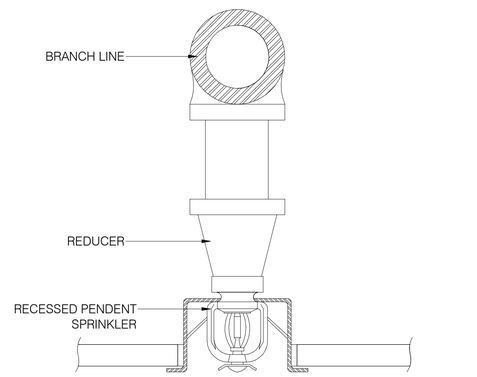
3 / F-701 PIPE SUPPORT DETAIL

SCALE: NOT TO SCALE



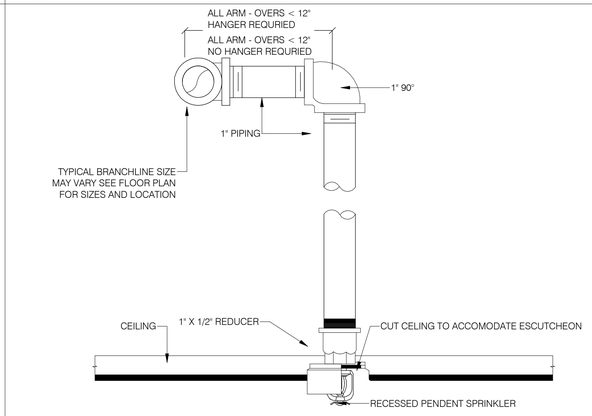
1 / F-701 VERTICAL FLOOR CONTROL VALVE ASSEMBLY DETAIL

SCALE: NOT TO SCALE



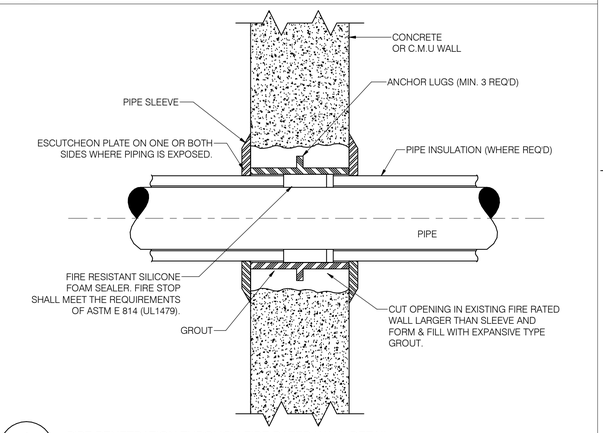
10 / F-701 RECESS PENDENT DROP

SCALE: NOT TO SCALE



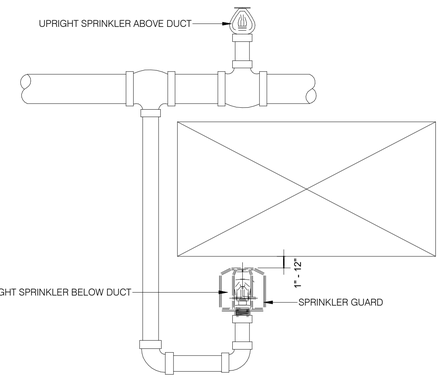
5 / F-702 SPRINKLER ARMOVER RECESSED PENDENT

SCALE: NOT TO SCALE



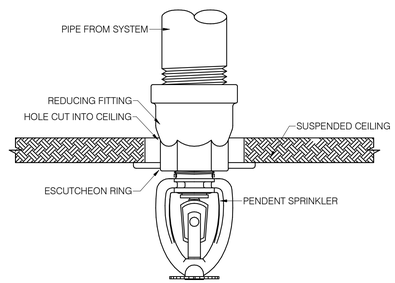
4 / F-701 PIPE PENETRATION THROUGH FIRE RATED WALL DETAIL

SCALE: NOT TO SCALE



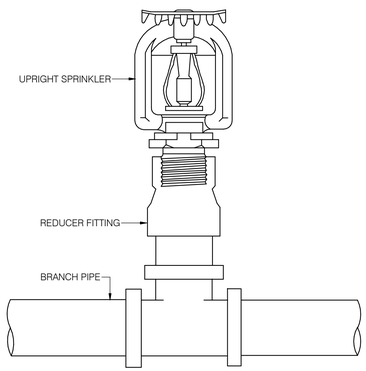
11 / F-701 UPRIGHT SPRINKLER W/GUARD ABOVE & BELOW OBSTRUCTION LARGER THAN 48"

SCALE: NOT TO SCALE



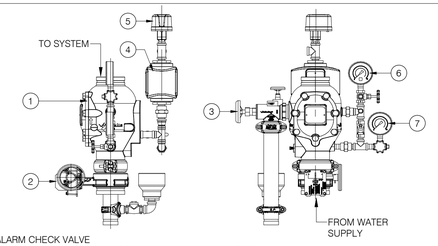
8 / F-701 PENDENT SPRINKLER HEAD DETAIL

SCALE: NOT TO SCALE



5 / F-701 UPRIGHT SPRINKLER HEAD DETAIL

SCALE: NOT TO SCALE



1. ALARM CHECK VALVE
2. WATER SUPPLY MAIN CONTROL VALVE W/ TAMPER SWITCH
3. SYSTEM MAIN DRAIN VALVE
4. RETARD CHAMBER ASSEMBLY
5. ALARM PRESSURE SWITCH
7. SYSTEM PRESSURE GAUGE/GAUGE VALVE ASSEMBLY (0-300 psi/0-2068 kPA)
8. WATER SUPPLY PRESSURE GAUGE/GAUGE VALVE ASSEMBLY (0-300 psi/0-2068 kPA)

NOTES: INSTALL ALARM CHECK VALVE PER MANUFACTURER RECOMMENDATIONS WITH ALL ASSOCIATED PIPING/ FITTINGS AND SERVICE/ MAINTENANCE CLEARANCES ALL AROUND, WITH NO BOOK SPECIFICATIONS PROVIDED.

2 / F-701 WET ALARM CHECK VALVE (WPV-1) DETAIL

SCALE: NOT TO SCALE

SETTY™
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com

PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME:

SEAL

STATE OF MARYLAND — ROBERT N. THOMAS — 44123 — REGISTERED PROFESSIONAL ENGINEER

DATE : 6/20/2025 11:41:00 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123 EXPIRATION DATE 06/09/2025 .

ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: AK
DWN BY: VK
CHKD BY: RT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT

CONTRACT COMPLETION BOX | R.O.W NO. | GSW | 14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE PROTECTION DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

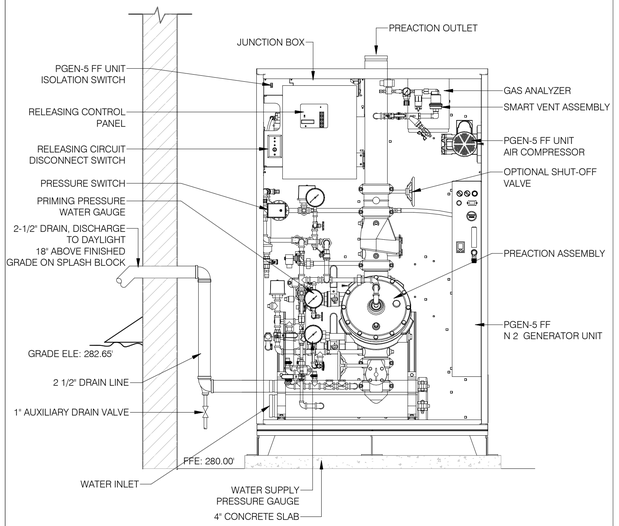
SUBDIVISION: WILKENS

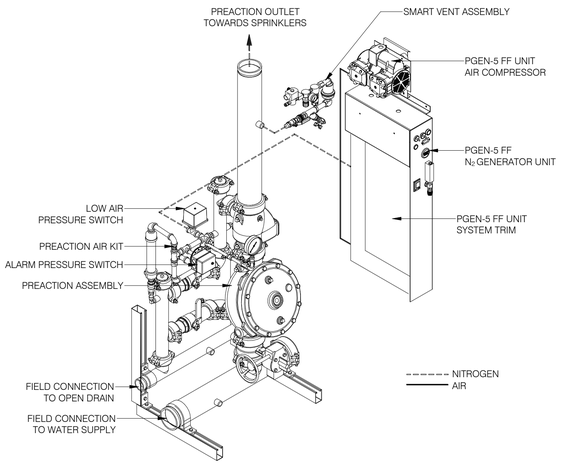
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-701	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 268 OF 302
	DRAWING NUMBER
	2024-1581
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

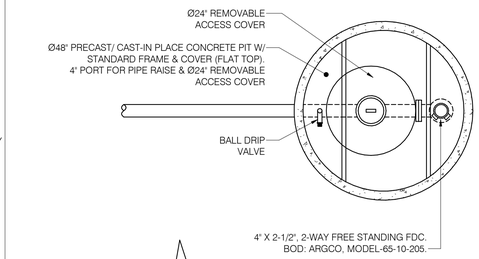
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

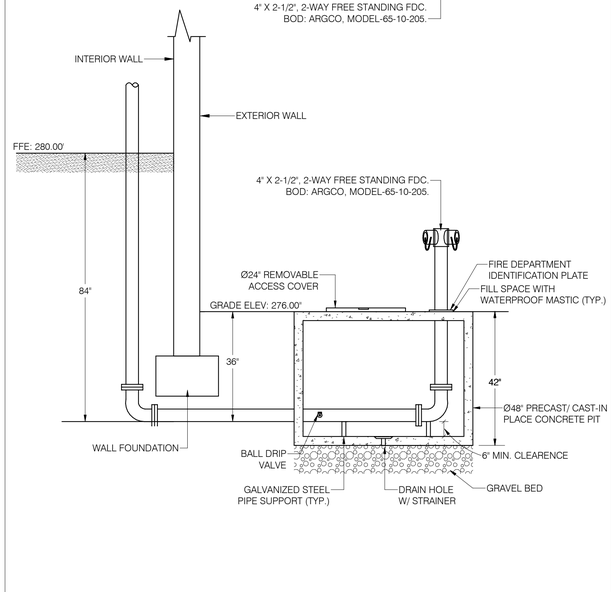




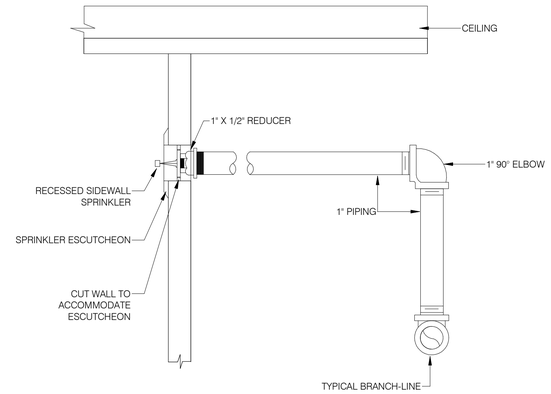
BOD: FIREFLEX - TOTAL N2, DOUBLE-INTERLOCK PREACTION SYSTEM WITH PROTECTOR SMART GAS ANALYZER, ECS INLINE CORROSION DETECTOR, NITROGEN GENERATOR FEATURES, PROTECTOR DRY SMART VENT.

7 / F-702 PRE-ACTION SYSTEM WITH NITROGEN GENERATOR
SCALE: NOT TO SCALE

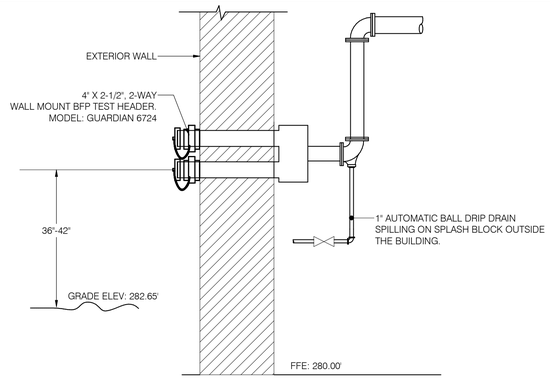




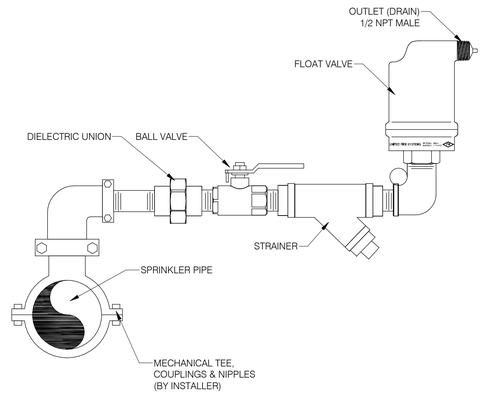
6 / F-702 FIRE DEPARTMENT CONNECTION DETAIL (FREE STANDING TYPE)
SCALE: NOT TO SCALE



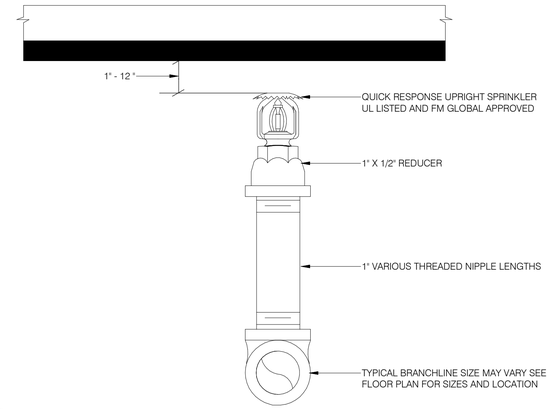
4 / F-702 SPRINKLER RECESSED SIDEWALL
SCALE: NOT TO SCALE



5 / F-702 BFP TEST HEADER DETAIL
SCALE: NOT TO SCALE



1 / F-702 AIR VENT FOR WET SPRINKLER DETAIL
SCALE: NOT TO SCALE



2 / F-702 SPRINKLER UPRIGHT
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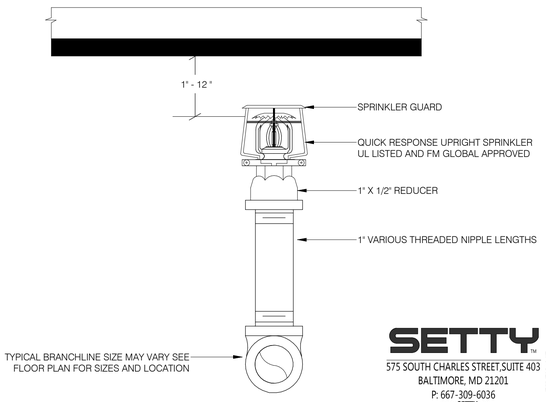


3 / F-702 SPRINKLER WITH GUARD
SCALE: NOT TO SCALE

SETTY™
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPC0231913.01

DWG. FILENAME:

SEAL: STATE OF MARYLAND · ROBERT N. THOMAS · 44123 · PROFESSIONAL ENGINEER
DATE : 6/20/2025 11:41:01 AM

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44123 EXPIRATION DATE 06/09/2025 .

ENGINEER: ROBERT N. THOMAS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: AK
DWN BY: VK
CHKD BY: RT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO.

CONTRACT COMPLETION BOX

R.O.W NO.

KEY SHEET: GSW

POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

SUBDIVISION: WILKENS

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE PROTECTION DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
F-702	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 269 OF 302
	DRAWING NUMBER
	2024-1582
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

FIRE ALARM GENERAL NOTES

1. INSTALLATION OF ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS, CODES, ETC.:
   A. LOCAL CODES AND ORDINANCES.
   B. PRACTICES AND PROCEDURES FOLLOWING OSHA STANDARDS.
   C. THE EDITION OF THE NATIONAL ELECTRICAL CODE NFPA 70 (NEC) IN EFFECT.
   D. THE EDITION OF THE INTERNATIONAL BUILDING CODE IN EFFECT.

2. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL ADJOINING EXISTING BUILDINGS, EQUIPMENT, AND SPACE CONDITIONS ON WHICH HIS WORK IS IN ANY WAY DEPENDENT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. CONTRACTOR SHALL REPORT TO THE ARCHITECT/ENGINEER ANY CONDITION WHICH MIGHT PREVENT HIM FROM INSTALLING HIS EQUIPMENT IN THE MANNER SPECIFIED OR AS SHOWN IN CONTRACT DOCUMENTS TEN BUSINESS DAYS PRIOR TO SUBMISSION OF BIDS. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE PERFORMED. THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL LABOR AND MATERIAL THAT MAY AFFECT HIS WORK.

3. CONTRACTOR TO PROVIDE SUFFICIENT NOTICE TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK TO ALLOW ADEQUATE TIME FOR COORDINATION OF EXISTING SITE ACTIVITIES WITH THE CONSTRUCTION WORK.

4. THE CONTRACTOR TO INCLUDE IN THEIR SCOPE ALL LABOR, MATERIALS, SERVICES, APPARATUS AND SHOP DRAWINGS IN ADDITION TO THE CONTRACT DOCUMENTS AS REQUIRED TO COMPLY WITH ALL APPLICABLE GOVERNING LAWS, CODES AND JURISDICTION REQUIREMENTS. PROVIDE ELECTRICAL EQUIPMENT WITH ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT INFRASTRUCTURE AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.

5. ALL MATERIALS AND WORK SHALL BE ACCORDING TO PROJECT SPECIFICATIONS.

6. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL CHARGE IF IN THE OPINION OF THE ARCHITECT OR ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE DRAWINGS AND/OR SPECIFICATIONS.

7. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION, ELEVATION, MOUNTING HEIGHTS AND DETAILS OF ALL DEVICES. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.

8. PROVIDE FIRESTOPPING MATERIALS TO MAINTAIN INTEGRITY OF THE FIRE RATED CONSTRUCTION WHERE CONDUITS PASS THROUGH WALLS AND FLOORS.

9. ELECTRICAL SYSTEMS SHALL BE GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.

10. PROVIDE RED COLOR LOCKABLE TYPE BREAKERS FOR CIRCUITS SERVING LIFE SAFETY PANEL BOARDS.

11. NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. PROVIDE THE NUMBER AND SIZE OF CONDUCTORS AS NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER SPECIFICALLY INDICATED ON PLAN OR NOT.

12. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE #12 AWG MINIMUM. PROVIDE EACH CIRCUIT HOMERUN WITH A DEDICATED NEUTRAL CONDUCTOR AND INSULATED EQUIPMENT GROUNDING CONDUCTOR.

13. PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE JUNCTION BOXES AS REQUIRED BY THE N.E.C.

14. PROVIDE FIRE ALARM INTERFACE HARDWARE, MODULES AND WIRING TO ALL ELECTRICALLY SECURED DOORS. COORDINATE WITH BUILDING SECURITY SYSTEM.

15. CONTRACTOR TO COORDINATE ELECTRICAL WORK TO AVOID INTERFERENCE BETWEEN ALL TRADES.
   A. DETERMINE INTERFERENCE BEFORE WORK IS FABRICATED OR INSTALLED. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL DETAILS OF WORK AND WORKING CONDITIONS AND COORDINATE WORK DURING PRELIMINARY STAGES TO ENSURE ACTUAL ERECTION WILL PROCEED WITHOUT INTERFERENCE. COORDINATION IS OF PARAMOUNT IMPORTANCE AND NO REQUESTS FOR ADDITIONAL PAYMENT WILL BE CONSIDERED WHERE REQUEST IS BASED ON INTERFERENCE.
   B. WHERE JOB CONDITIONS REQUIRE REASONABLE DEVIATIONS FROM CONTRACT DOCUMENTS, MAKE DEVIATIONS WITHOUT ADDITIONAL COST TO OWNER, AFTER OBTAINING APPROVAL OF ARCHITECT.
   C. PROVIDE MAXIMUM PRACTICAL SPACE FOR OPERATION, REPAIR, REMOVAL, AND TESTING OF ELECTRICAL EQUIPMENT. DEVIATIONS MAY BE MADE TO PROVIDE REQUIRED ACCESSIBILITY PROVIDED THEY ARE APPROVED BY THE OWNERS OR THE ARCHITECTS.
   D. KEEP CONDUITS, WIRE WAYS AND SIMILAR ITEMS AS CLOSE AS POSSIBLE TO CEILING, WALLS AND COLUMNS IN ORDER TO TAKE UP MINIMUM AMOUNT OF SPACE. ALL WORK TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
   E. PROVIDE OFFSETS, FITTINGS AND SIMILAR ITEMS NECESSARY TO ACCOMPLISH REQUIREMENTS OF COORDINATION WITHOUT ADDITIONAL EXPENSE TO OWNER.
   F. PROVIDE ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT AS REQUIRED BY THE N.E.C.

FIRE ALARM SYMBOL LIST

(STANDARD SYMBOLS, ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS)

(H) / (H)	CEILING/WALL MOUNTED FIRE ALARM HEAT DETECTOR
FS / TS / PS	FLOW SWITCH/TAMPER SWITCH/PRESSURE SWITCH
F	WALL MOUNTED FIRE ALARM SYSTEM MANUAL PULL STATION AT 48" AFF
EL (S) / (S)	CEILING/WALL MOUNTED FIRE ALARM SMOKE DETECTOR, DEVICES MAY HAVE THE FOLLOWING SUBSCRIPTS: EL : DEVICE DEDICATED FOR ELEVATOR RECALL FUNCTION R/T : BEAM SMOKE DETECTOR TRANSMITTER/RECEIVER RE : BEAM SMOKE DETECTOR REFLECTOR
(AV) 15cd / (AV) 15cd	CEILING/WALL MOUNTED FIRE ALARM COMBINATION AUDIO HORN/VISUAL DEVICE, ADA COMPLIANT NUMBER DENOTES CANDELA INTENSITY RATING. MINIMUM 15cd, MOUNTING HEIGHT FROM 80" UP TO A MAXIMUM OF 96" AFF
(V) 15cd / (V) 15cd	CEILING/WALL MOUNTED FIRE ALARM VISUAL DEVICE (STROBE), ADA COMPLIANT NUMBER DENOTES CANDELA INTENSITY RATING, MINIMUM 15cd, MOUNTING HEIGHT FROM 80" UP TO A MAXIMUM OF 96" AFF
(A) / (A)	CEILING/WALL MOUNTED FIRE ALARM AUDIO (HORN) DEVICE, MOUNTING HEIGHT NOT LESS THAN 90" AFF AND 6" BELOW FINISHED CEILING
(B)	WALL MOUNTED FIRE ALARM BELL DEVICE, MOUNTING HEIGHT FROM 80" UP TO A MAXIMUM OF 96" AFF
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
AIM	ADDRESSABLE INPUT MONITOR MODULE
AOM	ADDRESSABLE OUTPUT MODULE
D	FIRE ALARM DUCT SMOKE DETECTOR
RTI	REMOTE TEST INDICATOR STATION
#	KEYED DRAWING NOTE
(CO) / (CO)	CEILING/WALL MOUNTED FIRE ALARM CARBON MONOXIDE DETECTOR

ABBREVIATIONS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AF	FUSE RATING IN AMPS
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
AT	TRIP RATING IN AMPS
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CU	COPPER
D	EXISTING TO BE DEMOLISHED
DISC. SW.	DISCONNECT SWITCH
DIV.	DIVISION
DWG	DRAWING
E, EX	EXISTING TO REMAIN
EM	DEVICE ON EMERGENCY CIRCUIT
EMT	ELECTRICAL METALLIC TUBING
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FASP	FIRE ALARM SMOKE PURGE PANEL
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FSS	FUSIBLE SAFETY SWITCH
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GRS	GALVANIZED RESISTIVE CONDUIT
HP	HORSE POWER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWH	HOT WATER HEATER
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
IG	ISOLATED GROUND
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IESNA AMERICA	ILLUMINATING ENGINEERING SOCIETY OF NORTH
KCMIL	THOUSANDS OF CIRCULAR MILS
KVA	KILOVOLT-AMPS
KW	KILOWATT
LM	LUMEN
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
N	NEW
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFSS	NON FUSED SAFETY SWITCH
NL	NIGHT LIGHT FIXTURE
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PH, Ø	PHASE
PNL	PANEL
R	RELOCATED AT NEW LOCATION
REC	RECEPTACLE
RR	REMOVE AND RELOCATE
S/N	SOLID NEUTRAL
SPD	SURGE PROTECTIVE DEVICE
SWBD	SWITCHBOARD
T, XFMR	TRANSFORMER
TYP.	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHERPROOF

FIRE ALARM DRAWING LIST

SHEET	DRAWING	TITLE
270	FA-001	GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
271	FA-101.1	FIRST FLOOR PLAN - WING A - FIRE ALARM
272	FA-101.2	FIRST FLOOR PLAN - WING B - FIRE ALARM
273	FA-102.1	SECOND FLOOR PLAN - WING A - FIRE ALARM
274	FA-102.2	SECOND FLOOR PLAN - WING B - FIRE ALARM
275	FA-501	FIRE ALARM RISER DIAGRAM
276	FA-701	FIRE ALARM DETAILS

C:\Users\kiran.hv\Documents\23191301_R21_Fire Alarm_kiran.hv.rvt

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME:

SEAL: STATE OF MARYLAND — SOMANNA MOODERA — 50803 — PROFESSIONAL ENGINEER — 06/20/2025

DATE : 20-06-2025 19:00:05

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 50803, EXPIRATION DATE 04/13/2027		100% CD			6/9/2025				PLAN SCALE:	NTS	APPROVED BY: PROPERTY MANAGER
						R.O.W NO.	GSW	14SW19 14SW20 15SW19 15SW20	PROFILE SCALE:		DATE:
ENGINEER: SOMANNA MOODERA	DGN BY: SP	CONTRACT COMPLETION BOX									
	DWN BY: KHV	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS-BUILT PER RECORD PRINT											
BY:	CHKD BY: SM	REVIEWED BY:									
DATE:		DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-001	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 270 OF 302
	DRAWING NUMBER
	2024-1583
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

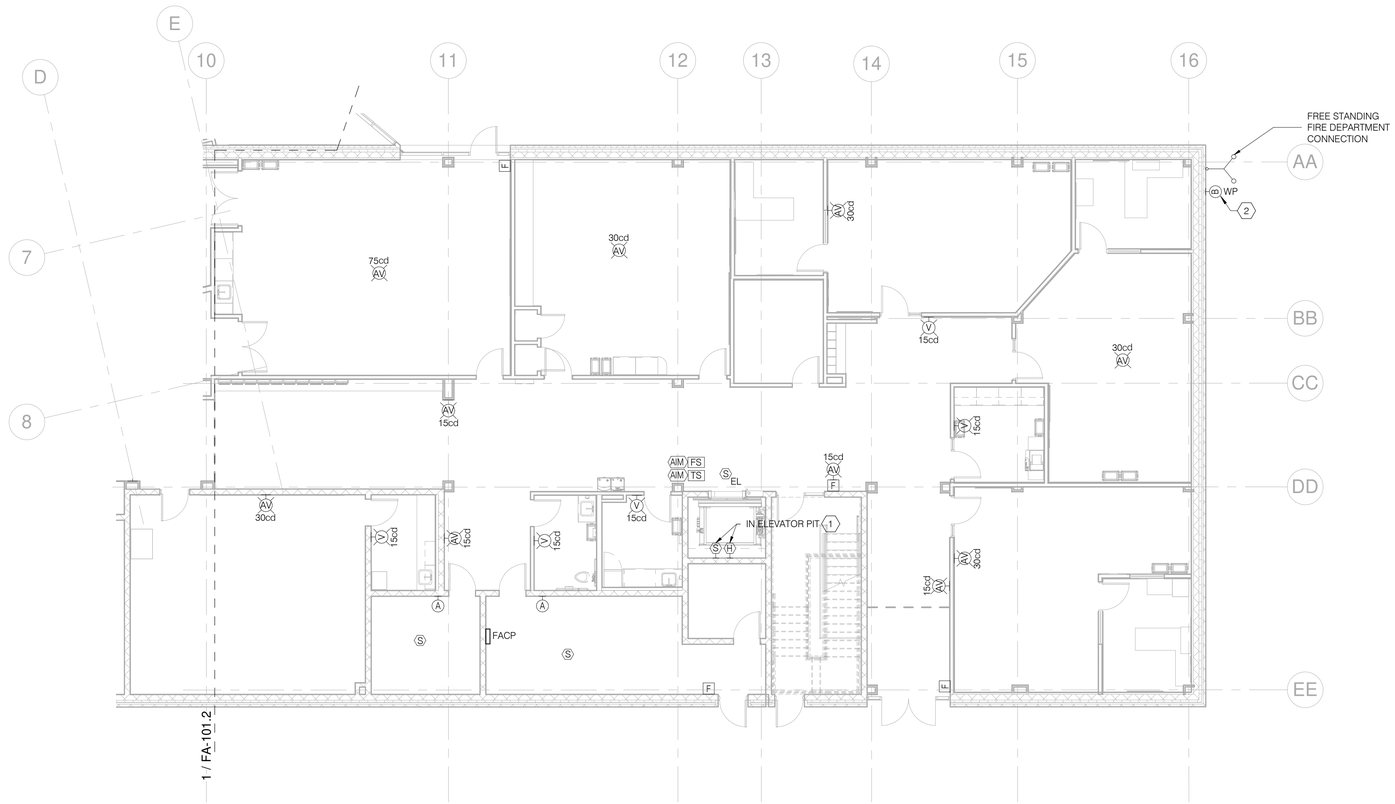
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

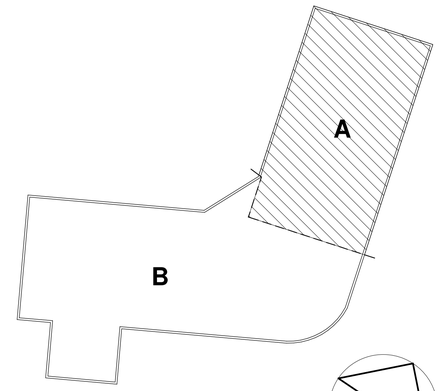
1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS. REFER TO DETAIL DRAWINGS FOR THE PROPOSED MOUNTING REQUIREMENTS OF TYPICAL FIRE ALARM DEVICES.
2. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE AND VERIFY AGAINST THE CEILING PLANS, ELEVATIONS AND DETAILS AT THE PROPOSED FIRE ALARM DEVICE INSTALLATION LOCATIONS PRIOR TO THE ROUGH-IN.
3. COORDINATE WITH MECHANICAL AND FIRE PROTECTION CONTRACT DOCUMENTS TO VERIFY THE EXACT LOCATION AND QUANTITY OF DUCT SMOKE DETECTORS AND ALL FLOW AND TAMPER SWITCHES RESPECTIVELY.
4. ALL FIRE ALARM DEVICES SHALL BE INSTALLED AS FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.

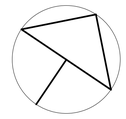
(#) SHEET KEY NOTES

1. COORDINATE WITH ELEVATOR AND FIRE PROTECTION CONTRACTOR FOR EXACT SMOKE/HEAT DETECTORS LOCATION PRIOR TO INSTALLATION.
2. EXTERIOR WATER FLOW ALARM BELL AT FIRE DEPARTMENT CONNECTION TO BE CONNECTED TO THE AUTOMATIC SPRINKLER SYSTEM. COORDINATE EXACT LOCATION OF FIRE DEPARTMENT CONNECTION WITH FIRE PROTECTION DRAWINGS.



1 FA-101.1 FIRST FLOOR PLAN - WING A - FIRE ALARM
1/8" = 1'-0"
0 4' 8' 16'





SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME: C:\Users\larau.hv\Documents\23191301_R21_Fire Alarm_larau.hv.rvt

SEAL: STATE OF MARYLAND · SOMANNA MOODERA · No. 50803 · PROFESSIONAL ENGINEER · DocuSigned by: 20-06-2025 19:00:10

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 50803, EXPIRATION DATE 04/13/2027
ENGINEER: SOMANNA MOODERA
AS-BUILT PER RECORD PRINT
BY:
DATE: 20-06-2025 19:00:10

DGN BY: SP
DWN BY: KHV
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
100% CD		6/19/2025
CONTRACT COMPLETION BOX		

P.W.A. NO.
R.O.W NO.
KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRST FLOOR PLAN - WING A - FIRE ALARM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-101.1	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 271 OF 302
	DRAWING NUMBER
	2024-1584
	FILE NO.: 8

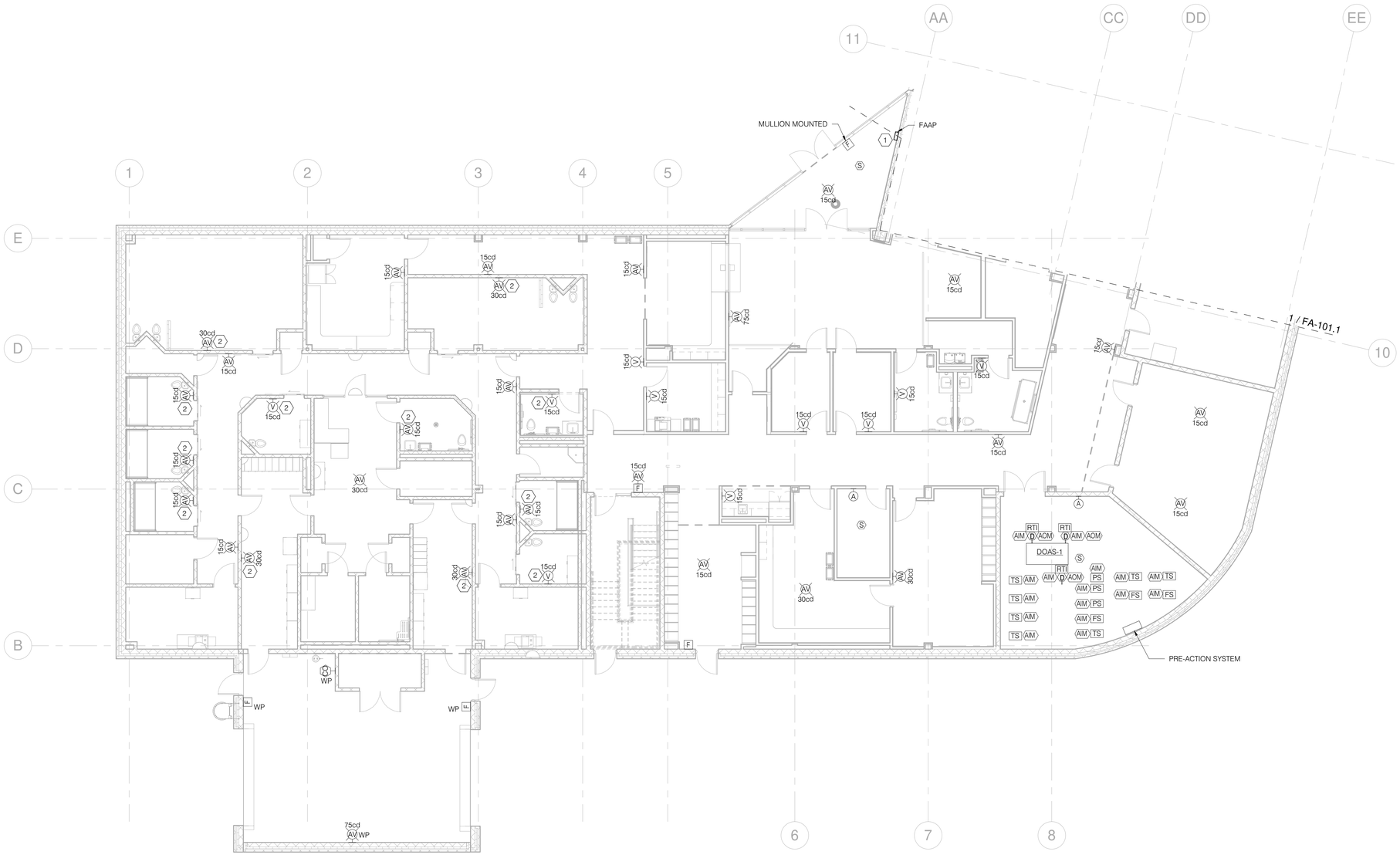
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

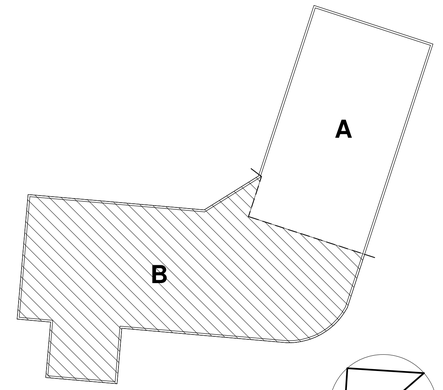
1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS. REFER TO DETAIL DRAWINGS FOR THE PROPOSED MOUNTING REQUIREMENTS OF TYPICAL FIRE ALARM DEVICES.
2. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE AND VERIFY AGAINST THE CEILING PLANS, ELEVATIONS AND DETAILS AT THE PROPOSED FIRE ALARM DEVICE INSTALLATION LOCATIONS PRIOR TO THE ROUGH-IN.
3. COORDINATE WITH MECHANICAL AND FIRE PROTECTION CONTRACT DOCUMENTS TO VERIFY THE EXACT LOCATION AND QUANTITY OF DUCT SMOKE DETECTORS AND ALL FLOW AND TAMPER SWITCHES RESPECTIVELY.
4. ALL FIRE ALARM DEVICES SHALL BE INSTALLED AS FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.

(#) SHEET KEY NOTES

1. REMOTE ZONING ALPHANUMERIC ANNUNCIATOR PANEL.
2. PROVIDE WITH VANDAL PROOF.



1 FA-101.2 FIRST FLOOR PLAN - WING B - FIRE ALARM
1/8" = 1'-0"
0 4' 8' 16'



C:\Users\kiran.hv\Documents\231913.01_R21_Fire Alarm_kiran.hv.rvt

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPC231913.01

DWG. FILENAME:

SEAL: STATE OF MARYLAND — SOMANNA MOODERA — No. 50803 — PROFESSIONAL ENGINEER — 06/20/2025

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 50803 EXPIRATION DATE 04/13/2027
ENGINEER: SOMANNA MOODERA
AS-BUILT PER RECORD PRINT
BY:
DATE: 20-06-2025 19:00:13

AS-BUILT / REVISION	BY	DATE
100% CD		6/19/2025
CONTRACT COMPLETION BOX		

P.W.A. NO.
R.O.W NO.
KEY SHEET: GSW
POSITION SHT: 14SW19, 14SW20, 15SW19, 15SW20
DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0"; PROFILE SCALE:
PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DGN BY: SP
DRN BY: KHV
CHKD BY: SM

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
WILKENS POLICE PRECINCT - 01
FIRST FLOOR PLAN - WING B - FIRE ALARM
NEW BUILDING DESIGN
SUBDIVISION: WILKENS
901 Walker Ave Catonsville, Maryland, 21228
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-101.2	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 272 OF 302	
DRAWING NUMBER	2024-1585
FILE NO.: 8	REV. 03/16

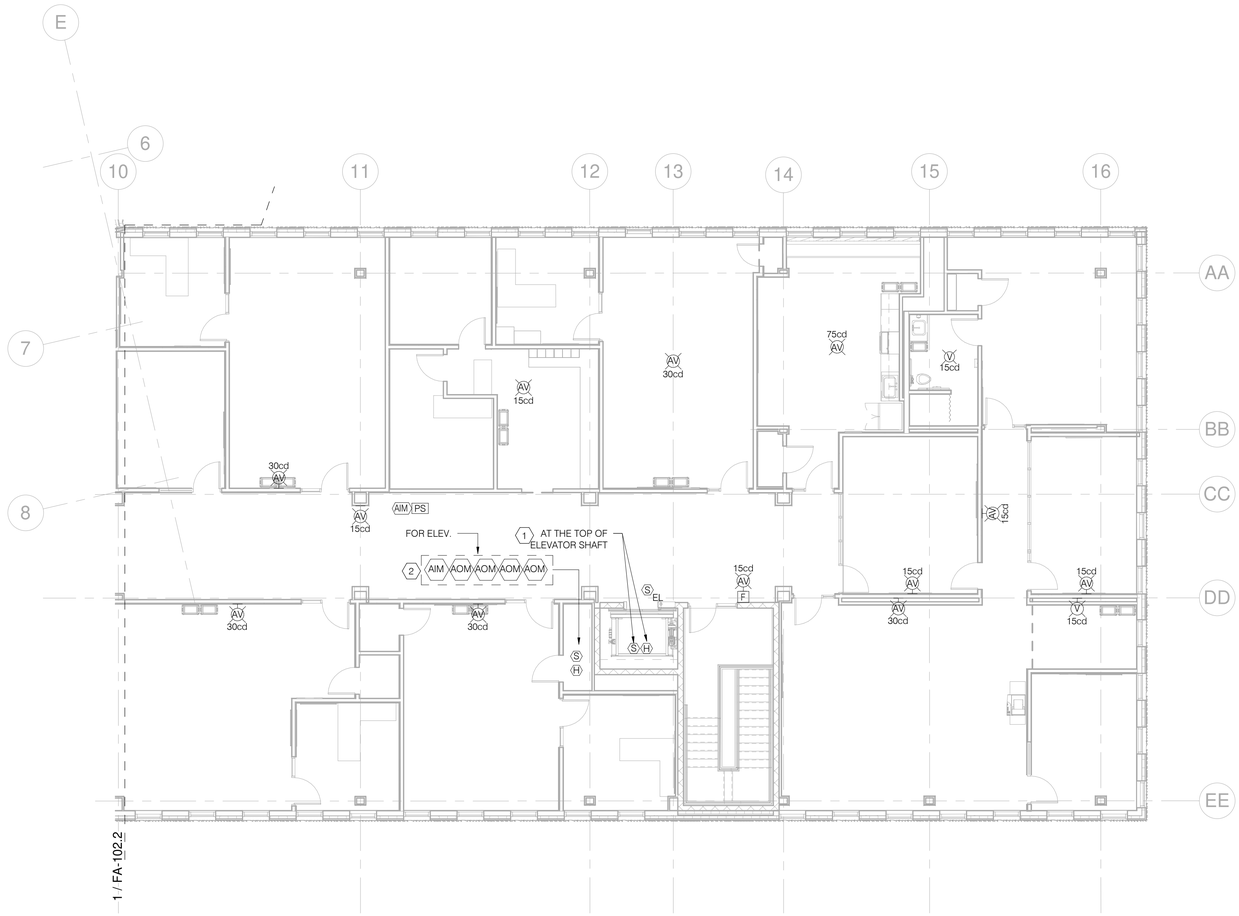
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

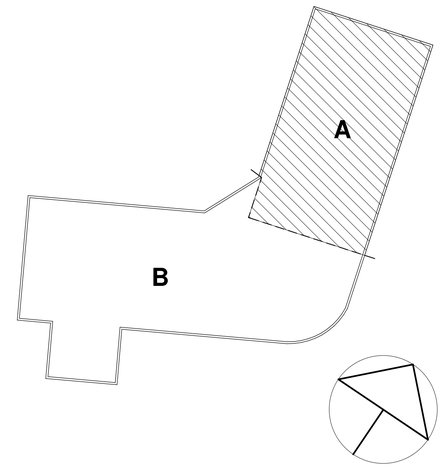
1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS. REFER TO DETAIL DRAWINGS FOR THE PROPOSED MOUNTING REQUIREMENTS OF TYPICAL FIRE ALARM DEVICES.
2. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE AND VERIFY AGAINST THE CEILING PLANS, ELEVATIONS AND DETAILS AT THE PROPOSED FIRE ALARM DEVICE INSTALLATION LOCATIONS PRIOR TO THE ROUGH-IN.
3. COORDINATE WITH MECHANICAL AND FIRE PROTECTION CONTRACT DOCUMENTS TO VERIFY THE EXACT LOCATION AND QUANTITY OF DUCT SMOKE DETECTORS AND ALL FLOW AND TAMPER SWITCHES RESPECTIVELY.
4. ALL FIRE ALARM DEVICES SHALL BE INSTALLED AS FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.

(#) SHEET KEY NOTES

1. COORDINATE WITH ELEVATOR AND FIRE PROTECTION CONTRACTOR FOR EXACT SMOKE/HEAT DETECTORS LOCATION PRIOR TO INSTALLATION.
2. CONTROL MODULES (4 NUMBER OF AOM) FOR ELEVATOR RECALL – PRIMARY LEVEL OF DISCHARGE, SECONDARY LEVEL OF DISCHARGE, ELEVATOR SHUNT TRIP, ELEVATOR RED HAT WARNING SIGNAL AND MONITOR MODULE (1 NUMBER OF AIM) FOR ELEVATOR LOSS OF POWER. COORDINATE THE EXACT LOCATION IN FIELD.



1 FA-102.1 SECOND FLOOR PLAN - WING A - FIRE ALARM
1/8" = 1'-0"
0 4' 8' 16'



SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME: C:\Users\kiran.hv\Documents\231913.01_R21_Fire Alarm_kiran.hv.rvt

SEAL: STATE OF MARYLAND · SOMANNA WOODERA · No. 50803 · PROFESSIONAL ENGINEER · ORIGINAL SEAL
DATE : 20-06-2025 19:00:19

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 50803, EXPIRATION DATE 04/13/2027.

ENGINEER: SOMANNA MOODERA

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: SP
DRN BY: KHV
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
100% CD		6/19/2025
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR PLAN - WING A - FIRE ALARM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-102.1	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 273 OF 302
	DRAWING NUMBER
	2024-1586
	FILE NO.: 8

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

GENERAL NOTES

1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS. REFER TO DETAIL DRAWINGS FOR THE PROPOSED MOUNTING REQUIREMENTS OF TYPICAL FIRE ALARM DEVICES.
2. REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE AND VERIFY AGAINST THE CEILING PLANS, ELEVATIONS AND DETAILS AT THE PROPOSED FIRE ALARM DEVICE INSTALLATION LOCATIONS PRIOR TO THE ROUGH-IN.
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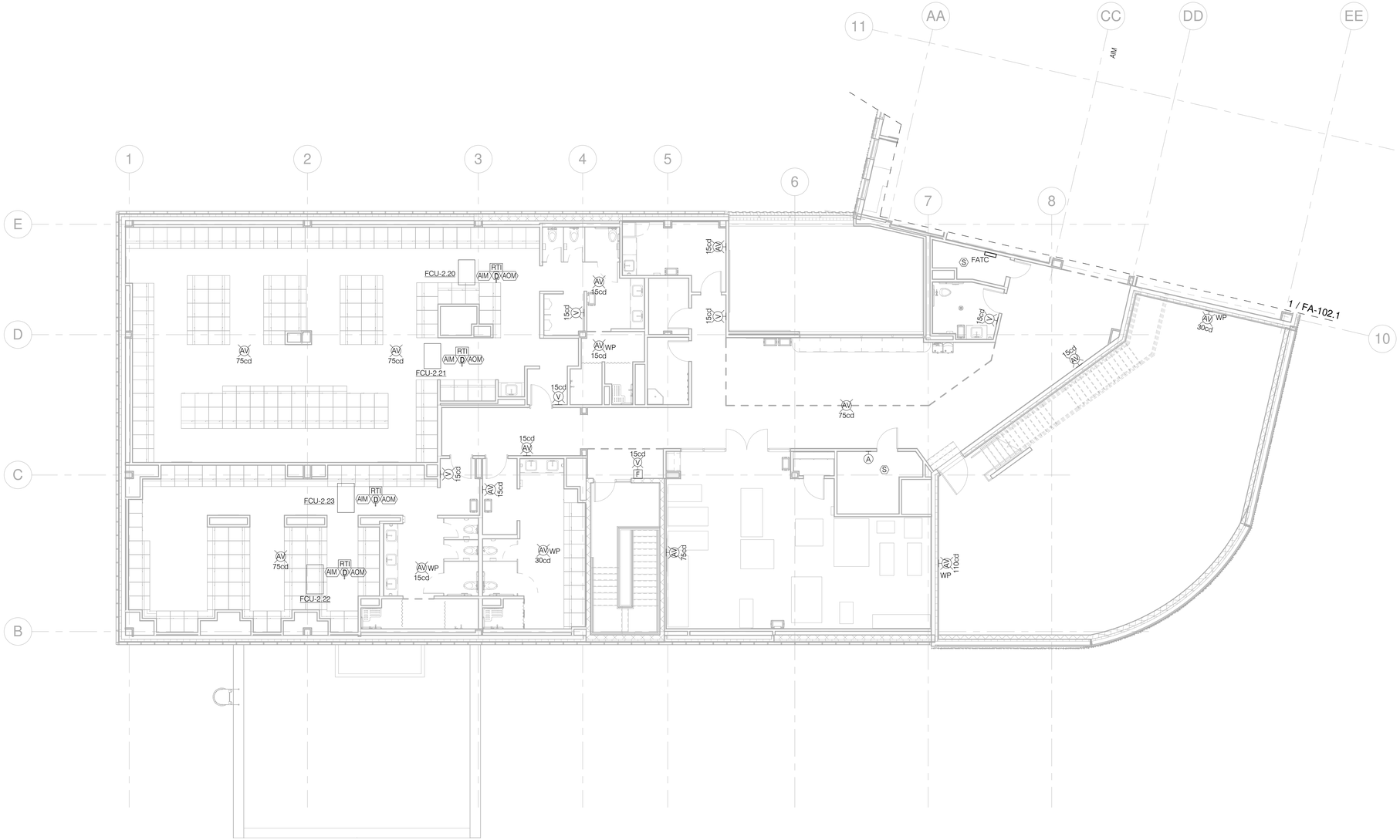
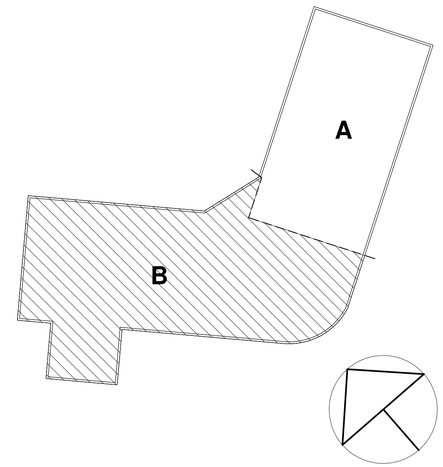




1 SECOND FLOOR PLAN - WING B - FIRE ALARM
FA-102.2 1/8" = 1'-0"
0 4' 8' 16'

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME: C:\Users\kkrau.hv\Documents\231913.01_R21_Fire Alarm_kkrau.hv.rvt

SEAL: STATE OF MARYLAND · SOMANNA MOODERA · No. 50803 · PROFESSIONAL ENGINEER · 06.20.2025

PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 50803, EXPIRATION DATE 04/13/2027	100% CD		6.19.2025		GSW	14SW19 14SW20 15SW19 15SW20	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER
	CONTRACT COMPLETION BOX			R.O.W NO.			PROFILE SCALE:	DATE:

ENGINEER: SOMANNA MOODERA	DGN BY: SP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS–BUILT PER RECORD PRINT	DRN BY: KHV	REVIEWED BY:							
BY: DATE:	CHKD BY: SM	DATE REVIEWED:							

DATE: 20-06-2025 19:00:23

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

SECOND FLOOR PLAN - WING B - FIRE ALARM

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-102.2	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 274 OF 302	
DRAWING NUMBER	2024-1587
FILE NO.: 8	

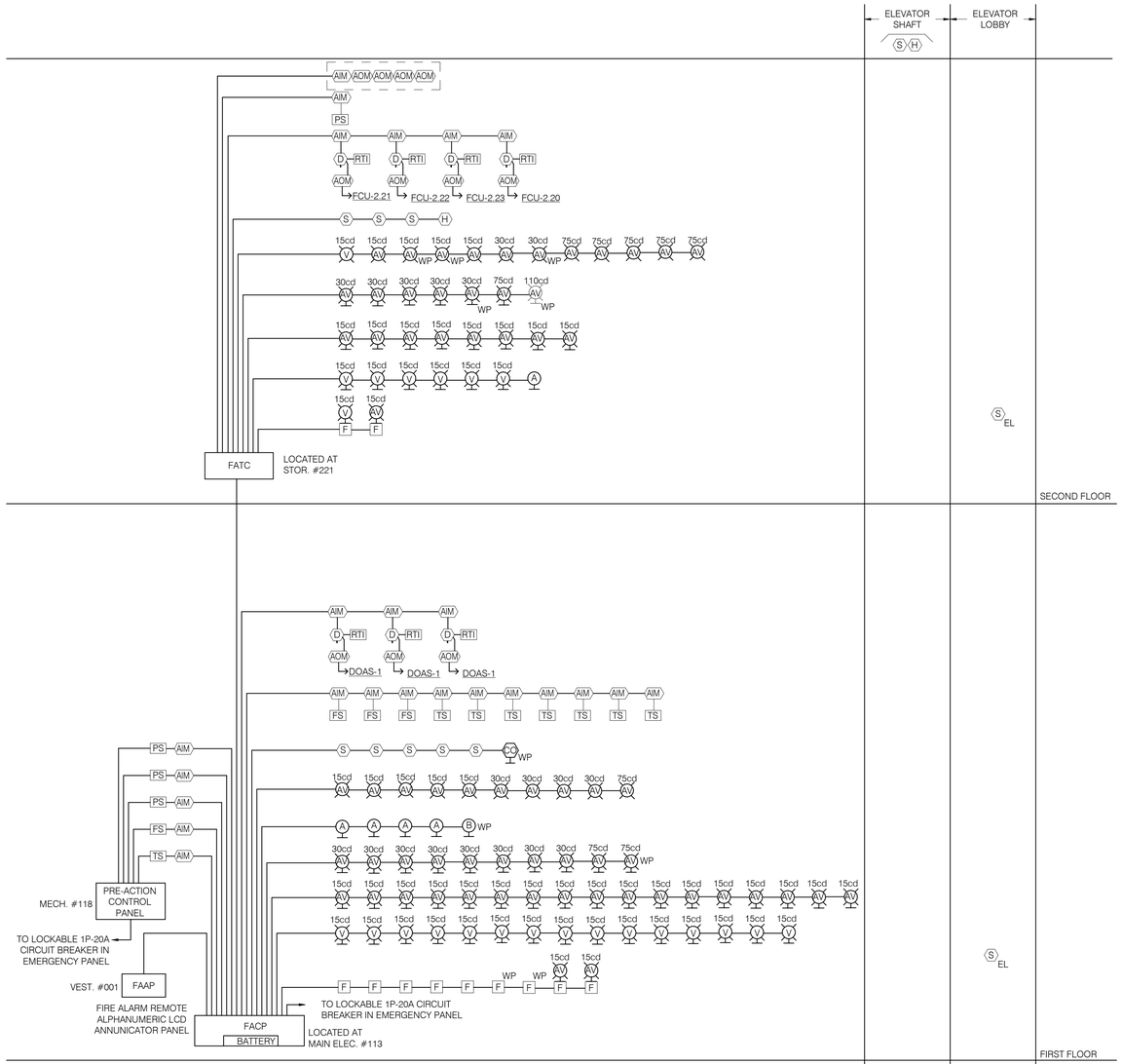
ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

SYSTEMS OUTPUTS	CONTROL UNIT ANNUNCIATION							NOTIFICATION						REQUIRED FIRE SAFETY CONTROL				SUPPLEMENTARY			
SYSTEMS INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE COMMON ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE COMMON SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE FLOOR/ZONE ALARM INDICATOR	ACTIVATE NOTIFICATION EVACUATION SIGNALS	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RECALL ELEVATORS TO DESIGNATED (PRIMARY) FLOOR	RECALL ELEVATORS TO ALTERNATE LEVEL	SHUTDOWN APPLIANCES UNDER COMMERCIAL EXHAUST HOOD	SHUTDOWN ELEVATORS (SEE NOTE 1)	DEACTIVATE AUDIO-VISUAL AND WHITE NOISE SYSTEMS	PRESSURIZE STAIRWELLS (KEYNOTE 1)	SHUTDOWN ASSOCIATED HVAC SYSTEM EQUIPMENT (KEYNOTE 1)	ACTIVATE SMOKE EXHAUST FANS IN SEQUENCE (KEYNOTE 1)
MANUAL FIRE ALARM BOXES (FLOOR/ZONE)	●	●					●	●	●	●							●				
AREA SMOKE DETECTORS (FLOOR/ZONE)	●	●					●	●	●	●			●		●		●				
AREA HEAT DETECTOR (FLOOR/ZONE)	●	●					●	●	●	●					●		●				
FIRE ALARM AC POWER FAILURE			●	●							●										
FIRE ALARM SYSTEM LOW BATTERY			●	●							●										
OPEN CIRCUIT					●	●						●									
GROUND FAULT					●	●						●									
NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●						●									
WATERFLOW (FLOOR/ZONE) ALARM	●	●					●	●	●	●			●					●	●	●	
SPRINKLER TAMPER SWITCH			●	●			●		●		●	●									
DUCT SMOKE DETECTOR			●				●		●		●										●
ELEVATOR LOBBY SMOKE DETECTOR (OTHER THAN PRIMARY)	●	●	●	●			●	●	●	●	●		●		●		●				
ELEVATOR LOBBY SMOKE DETECTOR (AT DISCHARGE/PRIMARY LEVEL)	●	●	●	●			●	●	●	●	●			●	●		●				
SMOKE DETECTOR IN ELEVATOR SHAFT	●	●					●	●	●	●			●		●		●				
SMOKE DETECTOR IN ELEVATOR MACHINE ROOM	●	●					●	●	●	●			●		●		●				
HEAT DETECTOR IN ELEVATOR PIT	●	●					●	●	●	●				●	●		●				
HEAT DETECTOR IN ELEVATOR SHAFT	●	●					●	●	●	●			●		●	●	●				
EMERGENCY GENERATOR - LOW FUEL					●	●						●									
EMERGENCY GENERATOR FAIL TO START					●	●						●									
PACKAGED PREACTION SYSTEM ALARM SIGNAL	●	●					●	●	●	●											
PACKAGED PREACTION SYSTEM SUPERVISORY SIGNAL			●	●							●										
PACKAGED PREACTION SYSTEM TROUBLE SIGNAL					●	●						●									
EMERGENCY RESPONDER RADIO COMMUNICATION SYSTEM - LOSS OF AC POWER, SYSTEM BATTERY CHARGER FAIL AND FAILURE OF ACTIVE RF SYSTEM					●	●						●									

FIRE ALARM OPERATIONAL MATRIX

GENERAL NOTES FOR FIRE ALARM MATRIX:

1. ACTUATION OF ELEVATOR HOISTWAY, MACHINE ROOM, OR CONTROL SPACE INITIATION DEVICES SHALL CAUSE SEPARATE AND DISTINCT VISIBLE ANNUNICATION AT THE BUILDING FIRE ALARM CONTROL UNIT.
2. REFER TO MECHANICAL CONTRACT DOCUMENTS FOR SYSTEM SHUTDOWN SEQUENCE OF OPERATIONS.



1 FA-501 FIRE ALARM RISER DIAGRAM
NTS

GENERAL NOTES

1. REFER TO FLOOR PLAN DRAWING TO VERIFY EXACT QUANTITY OF DEVICES.
2. THE FIRE ALARM RISER DIAGRAM IS PROVIDED FOR REFERENCE ONLY AND IS NOT INTENDED TO DESCRIBE THE SYSTEM ARCHITECTURE AND DOES NOT INCLUDE ALL NECESSARY INFORMATION TO INSTALL THE SYSTEM. THE INSTALLED SYSTEM MUST MEET ALL REQUIREMENTS OF THE NFPA AND AHJ.
3. THE FIRE ALARM SYSTEM IS DESIGNED TO UTILIZE HORN MODULES FOR AUDIBLE NOTIFICATIONS.
4. ALL FIRE ALARM VISUAL NOTIFICATION DEVICES IN THE SCOPE OF WORK AREA MUST BE ADA COMPLIANT.
5. THE FIRE ALARM AUDIBLE DEVICE SHALL HAVE A SOUND LEVEL AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, THROUGHOUT THE AREA OF WORK.
6. ALL FIRE ALARM DEVICES INSTALLED IN THE AREA OF WORK SHALL CONFORM WITH ALL STANDARDS AND REQUIREMENTS OF ADA, UL, ANSI AND NFPA. VISUAL (STROBE) DEVICES SHALL BE EQUIPPED WITH FIELD SELECTABLE WITH MINIMUM 15 AND MAXIMUM 110 CANDELA RATED LIGHT OUTPUT OPTION AND SIMULTANEOUS FLASH RATE OF 1 TO 3 Hz.
7. CONTRACTOR TO PROVIDE ADDRESSABLE MONITOR INTERFACE/RELAY MODULES AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM FOR ALL APPLICABLE EQUIPMENT AND DEVICES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - FLOW SWITCHES
   - TAMPER SWITCHES
   - DRY PIPE SYSTEM
   - ELEVATORS
   - IT, AV AND SECURITY SYSTEMS
   - HVAC UNITS
   - DISTRIBUTED ANTENNA SYSTEM
   - GENERATOR
   - PRE-ACTION SYSTEM
8. ALL SOUND MASKING, WHITE NOISE, PA AND SIMILAR SYSTEMS MUST BE DEACTIVATED WHEN AN ALARM SIGNAL IS INITIATED BY THE FIRE ALARM SYSTEM. CONTRACTOR TO PROVIDE MODULES TO INTERFACE WITH THE FIRE ALARM SYSTEM AS REQUIRED.
9. PROVIDE FIRE ALARM ANNUNCIATOR PANEL WITH ADDITIONAL KEY SWITCH INTERLOCKED WITH MOTORIZED DAMPERS SERVING ELEVATOR SHAFTS TO ALLOW MANUAL OVERRIDE.
10. ALL FIRE ALARM WORK MUST BE COORDINATED WITH THE OWNER AND BUILDING ENGINEER AT LEAST 3 DAYS PRIOR TO INSTALLATION. THE FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL AS THE BUILD OUT OCCURS. OBTAIN WRITTEN PERMISSION FROM THE OWNER PRIOR TO THE INTERRUPTION OF THE BUILDING FIRE ALARM SYSTEM. THE CONTRACTOR MUST FOLLOW ALL BUILDING OWNER PROTOCOLS AND CODE REQUIREMENTS FOR A FIRE ALARM INTERRUPTION.
11. CONTRACTOR TO PREPARE AND SUBMIT FIRE ALARM SHOP DRAWINGS TO THE ENGINEER AND THE FIRE MARSHAL FOR REVIEW AND FINAL APPROVAL. CONTRACTOR TO BE PRESENT DURING FINAL INSPECTION AND TESTING BY THE FIRE MARSHALL. SHOP DRAWINGS SHALL INCLUDE:
    - SYSTEM RISER DIAGRAM AND FLOOR PLAN WITH DEVICE ADDRESSES, CONDUIT SIZES AND WIRE TYPE AND SIZES
    - FIRE ALARM EXTENDER PANEL, IF REQUIRED
    - COMPONENT WIRING DIAGRAMS
    - PRODUCT DATA SHEETS AND EQUIPMENT DESCRIPTION
    - BATTERY SIZE CALCULATIONS
    - VOLTAGE DROP CALCULATIONS ANY REVISIONS AND ADDITIONS REQUIRED BY THE AHJ PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY ARE THE RESPONSIBILITY OF THE CONTRACTOR.
12. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.

PRE-ACTION SYSTEM MATRIX									
SINGLE INTERLOCKED PRE-ACTION SYSTEM SEQUENCE OF OPERATION MATRIX	OUTPUT								
EVENT	INDICATE DEVICE ADDRESS AT THE CONTROL PANEL	ACTIVATE THE PRE-ACTION SOLENOID VALVE	INDICATE SUPERVISORY STATUS AT THE CONTROL PANEL	INDICATE TROUBLE STATUS AT THE CONTROL PANEL	INDICATE ALARM STATUS AT THE CONTROL PANEL	SEND A SUPERVISORY SIGNAL TO BUILDING FIRE ALARM SYSTEM	SEND A TROUBLE SIGNAL TO BUILDING FIRE ALARM SYSTEM	SEND AN ALARM SIGNAL TO BUILDING FIRE ALARM SYSTEM	SEND SIGNAL TO SHUTDOWN ALL SELF CONTAINED UNITS SERVING PROTECTED AREAS AND ACTIVATE FIRE/SMOKE DAMPERS
ACTIVATION OF MANUAL PULL STATION	X	X			X			X	X
ACTIVATION OF SMOKE DETECTOR	X	X			X			X	X
ACTIVATION OF LOW AIR ALARM	X		X			X			
ACTIVATION OF TAMPER SWITCH	X		X			X			
ACTIVATION OF WATER FLOW SWITCH	X				X	X			
LOSS OF PRIMARY/SECONDARY POWER				X			X		
SYSTEM WIRING FAILURE	X			X			X		

PRE-ACTION FIRE ALARM NOTES

1. ALL FIRE ALARM CABLES SHALL BE TWISTED PAIR #14 GAUGE SOLID COPPER, 200 DEG C, 600V, SHEILDED INSULATED, CLASS 'E', BSA AND MFA APPROVED FOR NYC LOCAL LAW #5 WITH FEP (TEFLON OR APPROVED EQUAL) INSULATION AND CONDUCTORS COLORED BLACK AND RED. ALL FIRE ALARM CABLES WILL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CABLES INSTALLED IN HUNG CEILING SHALL BE MOUNTED AND SUPPORTED ABOVE THE HUNG CEILING AND INSTALLED CONDUITS. UNLESS OTHERWISE NOTED.
2. PROGRAMMING OF BASE BUILDING SYSTEM FIRE ALARM PANELS WILL BE BY THE BASE BUILDING CONTRACTOR. PROGRAMMING OF ALL PREACTION DEVICES (SMOKE DETECTORS) SHALL BE BY THE FIRE PROTECTION CONTRACTOR.
3. ALL CONDUITS SHALL BE EMT.
4. PATCH AND SEAL PENETRATIONS FROM ALL CONDUITS PASSING THRU WALLS, FIRE RATED CONSTRUCTIONS AND PLENUMS.
5. ALL RACEWAYS, ENCLOSURES AND BOXES SHALL BE GROUNDED IN ACCORDANCE WITH NYC BUILDING CODE APPROVED MANNER.
6. NO TOP PENETRATIONS SHALL BE MADE IN ANY FIRE ALARM PANELS.
7. CONTRACTOR SHALL COORDINATE DEVICE PENETRATIONS WITH ENGINEER AND ARCHITECT FOR ALL NON-DRY WALL FACED WALLS.
8. NO 'I' TAPPING WILL BE PERMITTED. ALL BOX COVERS, CONDUIT COVERS SHALL BE PAINTED RED.
9. FOR SEQUENCE OF OPERATION OF PREACTION SYSTEM. SEE PLUMBING/FIRE PROTECTION DRAWINGS.
10. TROUBLE ALARM NOTIFICATION SHALL BE SENT TO SENSAFONE 800.

SETTY
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01

DWG. FILENAME: C:\Users\kiran.hv\Documents\23191301_R21_Fire Alarm_kiran.hv.rvt

SEAL: STATE OF MARYLAND — SOMANNA MOODERA — No. 50803 — PROFESSIONAL ENGINEER — 06-06-2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 50803, EXPIRATION DATE 04/13/2027.

ENGINEER: SOMANNA MOODERA

AS-BUILT PER RECORD PRINT

BY:

DATE: 20-06-2025 19:00:27

AS-BUILT / REVISION	BY	DATE
100% CD		6/9/2025
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19 14SW20 15SW19 15SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" ; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER ; DATE:

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DGN BY: SP ; DRN BY: KHV ; CHKD BY: SM

REVIEWED BY:

DATE REVIEWED:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE ALARM RISER DIAGRAM

NEW BUILDING DESIGN

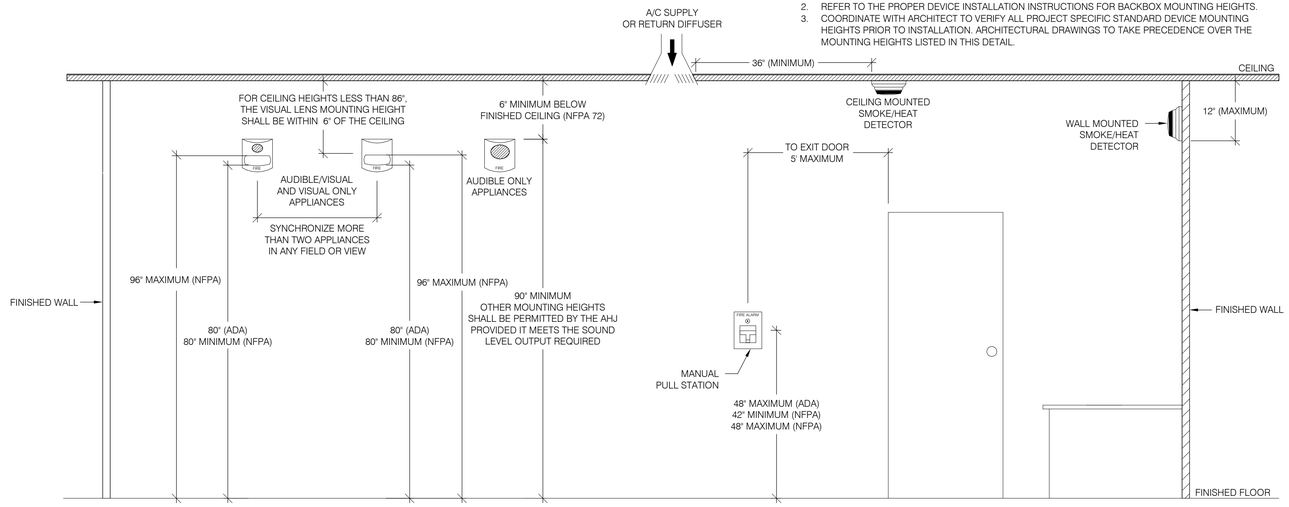
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

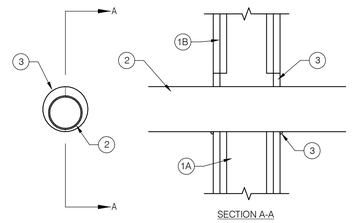
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-501	24111 PPO
JOB ORDER NUMBER	
300200006	
SHEET 275 OF 302	
DRAWING NUMBER	
2024-1588	
FILE NO.: 8	REV. 0

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED



2 / FA-701 TYPICAL DEVICE MOUNTING HEIGHT
NTS



SECTION A-A

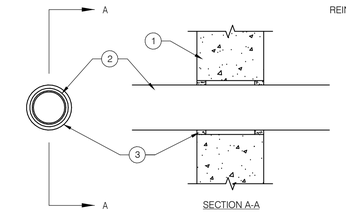
GYPSUM WALLBOARD

F RATINGS - 1 AND 2 HR
T RATING - 0 HR

L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT

L RATING AT 400 F - LESS THAN 1 CFM/SQ FT

1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   1.1. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC.
   1.2. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IN WOOD STUD WALLS IS 8 IN. MAX DIAM OF OPENING IN STEEL STUD WALLS IS 14 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE A MIN 0 IN. (POINT CONTACT) TO A MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   2.1. STEEL PIPE - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 5 (OR HEAVIER STEEL PIPE).
   2.2. IRON PIPE - NOM 12 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   2.3. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT.
   2.4. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   2.5. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* - CAULK - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 3/8 IN. DIAM BEAD OF FILL MATERIAL APPLIED AT POINT CONTACT LOCATION AT THE PENETRANT/GYPSUM BOARD INTERFACE ON BOTH SIDES OF WALL. PENETRATIONS THROUGH STRUCTURE SHALL MAINTAIN FIRE RESISTANCE AND COMPLY WITH SECTION 714.4 OF THE IBC 2021. ALL ANNULAR SPACES BETWEEN RATED STRUCTURE/ENCLOSURE SHALL BE FILLED WITH APPROVED MATERIAL COMPLYING WITH REQUIREMENTS OF UL 1479.



SECTION A-A

REINFORCED CONCRETE

F RATING - 2 HR.
T RATING - 0 HR.

1. WALL ASSEMBLY - MIN 6 IN. (152 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 25 IN. (635 MM). SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR THE NAMES OF MANUFACTURERS.
2. THROUGH PENETRANT - ONE METALLIC PIPE, TUBING OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPES, TUBING OR CONDUITS AND PERIPHERY OF OPENING IS DEPENDENT UPON THE TYPE AND MAX DIAM OF THE THROUGH PENETRANT AS TABULATED BELOW. PIPE, TUBING OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, TUBING OR CONDUITS MAY BE USED:
   2.1. STEEL PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   2.2. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   2.3. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   2.4. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   2.5. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. (152 MM) DIAM GALV STEEL CONDUIT OR NOM 1 IN. DIAM FLEXIBLE STEEL CONDUIT.

TYPE OF THROUGH PENETRANT	MAX DIAM OF THROUGH PENETRANT, IN. (MM)	MIN & MAX ANNULAR SPACE, IN. (MM)
STEEL OR IRON PIPE	4 (102)	0, 1-1/2 (38)
STEEL TUBING OR CONDUIT	4 (102)	0, 1-1/2 (38)
STEEL CONDUIT	6 (152)	1/8 (3), 1/2 (13)
STEEL OR IRON PIPE	24 (610)	1/8 (3), 1/2 (13)
COPPER TUBING OR PIPE	6 (152)	1/8 (3), 1/2 (13)

3. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN THROUGH PENETRANT AND CONCRETE, A MIN 3/8 IN. (10 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/THROUGH PENETRANT INTERFACE ON BOTH SURFACES OF WALL.
PENETRATIONS THROUGH STRUCTURE SHALL MAINTAIN FIRE RESISTANCE AND COMPLY WITH SECTION 714.4 OF THE IBC 2021. ALL ANNULAR SPACES BETWEEN RATED STRUCTURE/ENCLOSURE SHALL BE FILLED WITH APPROVED MATERIAL COMPLYING WITH REQUIREMENTS OF UL 1479.

1 / FA-701 THROUGH-PENETRATION FIRE STOP
NTS

C:\Users\karan.hv\Documents\23191301_R21_Fire Alarm_karan.hv.rvt

SETTY™
575 SOUTH CHARLES STREET,SUITE 403
BALTIMORE, MD 21201
P: 667-309-6036
www.SETTY.com
PROJECT NUMBER: SIPQ231913.01
DWG. FILENAME:

SEAL: STATE OF MARYLAND · SOMANNA MOODERA · No. 50803 · PROFESSIONAL ENGINEER · 06-20-2025
DATE: 20-06-2025 19:00:28

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 50803, EXPIRATION DATE 04/13/2027.
ENGINEER: SOMANNA MOODERA

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: SP
DWN BY: KHV
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
100% CD		6/19/2025		GSW	14SW19 14SW20 15SW19 15SW20
			R.O.W NO.		
CONTRACT COMPLETION BOX					

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

DRAWING SCALE
PLAN SCALE: NTS
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

FIRE ALARM DETAILS

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
FA-701	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 276 OF 302
	DRAWING NUMBER
	2024-1589
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

ORIGINAL DRAWING SIZE IS 24" x 36"; SCALE ENTITIES ACCORDINGLY IF REDUCED/ENLARGED

LOW VOLTAGE SYSTEMS SYMBOL LEGEND

SYMBOL:	DESCRIPTION:	BACKBOX:	CONDUITS:	MOUNTING HEIGHT:	ELECTRONICS:	TELECOM CABLE:	POWER REQUIREMENTS:
L	CEILING RECESSED LOUDSPEAKER	N/A	N/A	CEILING RECESSED	OFOI LOUDSPEAKER	N/A	N/A
L	WALL MOUNTED LOUDSPEAKER	2-GANG BOX WITH SINGLE GANG TRIM RING	N/A	80" AFF	OFOI LOUDSPEAKER	N/A	N/A
D	FLAT PANEL DISPLAY	TWO (2) 2-GANG BOXES WITH SINGLE GANG TRIM RINGS	ONE (1) 1-1/4" EC FOR AV & ONE (1) 1" EC FOR TELECOM	74" AFF TO CENTER OF BACKBOX	OFOI FLAT PANEL DISPLAY	TWO (2) CATEGORY CABLES (OFOI)	120VAC DUPLEX RECEPTACLE
AV	AV INPUT WALLPLATE	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1-1/4" EC	OUTLET HEIGHT	N/A	N/A	N/A
3	3-GANG AV INPUT WALLPLATE	3-GANG BOX	TWO (2) 1-1/4" EC	OUTLET HEIGHT	N/A	N/A	N/A
CP	REMOTE CONTROL TOUCH PANEL	3-GANG BOX	ONE (1) 1" EC	SWITCH HEIGHT	OFOI REMOTE CONTROL TOUCH PANEL	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
X	STANDARD TELECOMMUNICATION OUTLET	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	OUTLET HEIGHT	N/A	"X" CATEGORY CABLES (OFOI)	N/A
X C	ABOVE COUNTER HEIGHT TELECOMMUNICATION OUTLET	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	ABOVE COUNTER HEIGHT	N/A	"X" CATEGORY CABLES (OFOI)	N/A
X R	RACEWAY TELECOMMUNICATION OUTLET	SURFACE MOUNTED RACEWAY (BY ELECTRICAL)	N/A	ABOVE COUNTER HEIGHT (SEE ELECTRICAL)	N/A	"X" CATEGORY CABLES (OFOI)	N/A
TV2	DISPLAY TELECOMMUNICATION OUTLET	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	72" AFF TO CENTER OF BACKBOX	N/A	TWO (2) CATEGORY CABLES (OFOI)	N/A
W	WALL PHONE TELECOMMUNICATIONS OUTLET	2-GANG BOX WITH SINGLE GANG STUDDED FACEPLATE	ONE (1) 3/4" EC	SWITCH HEIGHT	N/A	ONE (1) CATEGORY CABLE (OFOI)	N/A
IW	INMATE WALL PHONE TELECOMMUNICATIONS OUTLET	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 3/4" EC	SWITCH HEIGHT	N/A	ONE (1) CATEGORY CABLE (OFOI)	N/A
	FLOORBOX	WIREMOLD EFB8S	THREE (3) 1-1/4" EC	IN FLOOR	N/A	FOUR (4) CATEGORY CABLES (OFOI)	120V DUPLEX RECEPTACLE
WAP	WIRELESS ACCESS POINT	SURFACE MOUNTED BISCUIT JACK	N/A	CEILING MOUNTED	OFOI WIRELESS ACCESS POINT	TWO (2) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
EXT WAP	EXTERIOR WIRELESS ACCESS POINT	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 3/4" EC TO INTERIOR OF BUILDING	WALL MOUNTED 10' AFF	OFOI WIRELESS ACCESS POINT	TWO (2) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
	12" X 4" WIRE MESH CABLE TRAY	N/A	N/A	6" ABOVE CEILING	N/A	N/A	N/A
	RATED PASS-THRU ASSEMBLY	N/A	N/A	ABOVE ACCESIBLE CEILING	N/A	N/A	N/A
"SIZE"	EMT SLEEVE - SINGLE	N/A	N/A	ABOVE ACCESIBLE CEILING	N/A	N/A	N/A
D #	ELECTRONIC ACCESS CONTROL DOOR	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	REFER TO ACCESS CONTROL DOOR DETAILS	N/A	N/A
CR	CARD READER	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	REFER TO ACCESS CONTROL DOOR DETAILS	OFOI CARD READER	N/A	REMOTE LOW VOLTAGE POWER
DR	DOOR RELEASE BUTTON	3-GANG BOX	ONE (1) 1" EC	ABOVE COUNTER HEIGHT	OFOI DOOR RELEASE BUTTON	N/A	REMOTE LOW VOLTAGE POWER
AP	ALARM SYSTEM ANNUNCIATOR PANEL	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC	48" AFF	OFOI ANNUNCIATOR PANEL	N/A	REMOTE LOW VOLTAGE POWER
VI	AUDIO/VIDEO INTERCOM STATION	CUSTOM BACK BOX	ONE (1) 1" EC	48" AFF	OFOI VIDEO INTERCOM STATION	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
LI	LOBBY AUDIO INTERCOM STATION	2-GANG BOX WITH SINGLE GANG TRIM RING	ONE (1) 1" EC TO MULLION	ABOVE FINISHED CEILING	OFOI LOBBY AUDIO INTERCOM STATION	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
C	FIXED SURVEILLANCE VIDEO CAMERA	BISCUIT BOX	N/A	CEILING MOUNTED	OFOI FIXED VIDEO CAMERA	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
E C	EXTERIOR SURVEILLANCE VIDEO CAMERA	2-GANG BOX INTERIOR TO BUILDING	N/A	VARIES	OFOI EXTERIOR VIDEO CAMERA	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER

LOW VOLTAGE SYSTEM SHEET LIST

#	Sheet Name
TA001	LOW VOLTAGE SYSTEMS TITLESHEET
TA002	LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX
TA010	TELECOM RISER DIAGRAM & GROUNDING DETAIL
TA100	LOW VOLTAGE SITE PLAN
TA101	LOW VOLTAGE FIRST FLOOR PLAN - WING A
TA102	LOW VOLTAGE FIRST FLOOR PLAN - WING B
TA103	LOW VOLTAGE SECOND FLOOR PLAN - WING A
TA104	LOW VOLTAGE SECOND FLOOR PLAN - WING B
TA121	LOW VOLTAGE FIRST FLOOR RCP - WING A
TA122	LOW VOLTAGE FIRST FLOOR RCP - WING B
TA123	LOW VOLTAGE SECOND FLOOR RCP - WING A
TA124	LOW VOLTAGE SECOND FLOOR RCP - WING B
TA200	IT 119 ELEVATIONS & ENLARGED DETAILS
TA201	IT 223 ELEVATIONS & ENLARGED DETAILS
TA210	DISPLAY WALL ELEVATIONS (1 OF 2)
TA211	DISPLAY WALL ELEVATIONS (2 OF 2)
TA212	BODY CAMERA CHARGING STATION ELEVATION
TA500	LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (1 OF 3)
TA501	LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (2 OF 3)
TA502	LOW VOLTAGE SYSTEM INFRASTRUCTURE DETAILS (3 OF 3)
TA510	ELECTRONIC ACCESS CONTROL DOORS
TA511	ELECTRONIC ACCESS CONTROL DOORS SCHEDULE

TA SERIES SHEET NOTES

1. ALL CONDUIT, BACK BOXES, AND AC POWER REQUIREMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
2. ANY CONDUIT TERMINATIONS AT CONSOLE OR EQUIPMENT RACK LOCATIONS SHOULD BE ACCESSIBLE.
3. EACH LOW VOLTAGE OUTLET SHALL INCLUDE A 200lb TEST PULL WIRE TO ACCESSIBLE AFC OR CABLE TRAY UNLESS OTHERWISE NOTED.
4. REFERENCE ELECTRICAL DIVISION 26 00 00 SPECIFICATION FOR CONDUIT SPECIFICATIONS.
5. COORDINATE CEILING MOUNTED ELEMENTS WITH ARCHITECTURAL CEILING PLANS.
6. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL BOX LOCATIONS AND DIMENSIONS.
7. ALL TELECOM CONDUITS ARE TO RUN FROM BACK BOX TO ACCESSIBLE AFC UNLESS DETAILED OTHERWISE.
8. NOTES ON INDIVIDUAL DRAWING SHEETS SUPERSEDE THE ABOVE REQUIREMENTS.

ABBREVIATIONS

AFF = ABOVE FINISHED FLOOR
EC = ELECTRICAL CONDUIT
N/A = NOT APPLICABLE
OFOI = OWNER FURNISHED & OWNER INSTALLED
PBB = PRIMARY BONDING BUSBAR
SBB = SECONDASRY BONDING BUSBAR

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI — BRIAN WHITLOCK — BICSI ID # 1535087 — EXPIRES 12-31-26 — RCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE

R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: As indicated
14SW20 | PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SYSTEMS TITLESHEET

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA001	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 277 OF 302	
DRAWING NUMBER	2024-1590
FILE NO.: 8	REV. 01.22

LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX

	ITEM	FURNISHED BY	INSTALLED BY	NOTES
1	TELECOMMUNICATIONS OUTSIDE PLANT CABLING - INCOMING FIBER OPTIC CABLING	OWNER	OWNER	INCOMING FIBER OPTIC SERVICE FROM WALKER AVENUE TO BE COORDINATED BY OWNER AND SERVICE PROVIDER
2	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE - SERVICE PROVIDER	GC	GC	OWNER AND GC TO COORDINATE THE PATHWAY OF INCOMING FIBER OPTIC SERVICE FROM WALKER AVE.
3	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE - SITE SECURITY	GC	GC	
4	RECESSED ELECTRICAL JUNCTION WALL BOXES, CONDUIT, FITTINGS, BUSHINGS, RACEWAYS, BONDING, MULTIMEDIA CONNECTION WALL BOXES AND FLOOR BOXES	GC	GC	TO BE INSTALLED BY SUB-CONTRACTOR AT DISCRESSION OF GC
5	AC POWER RECEPTACLES & RELATED EQUIPMENT	GC	GC	TO BE INSTALLED BY SUB-CONTRACTOR AT DISCRESSION OF GC
6	TELECOMM STRUCTURED CABLING & RELATED HARDWARE	OWNER	OWNER	
7	IN-WALL PLYWOOD BLOCKING FOR ALL FLAT PANEL DISPLAY LOCATIONS	GC	GC	TO BE INSTALLED BY SUB-CONTRACTOR AT DISCRESSION OF GC
8	AUDIOVISUAL SYSTEM EQUIPMENT	OWNER	OWNER	
9	WIRELESS PRESENTATION GATEWAY	OWNER	OWNER	
10	ALL AUDIOVISUAL CABLING TO INTERCONNECT DEVICES	OWNER	OWNER	
11	FLAT PANEL DISPLAY MOUNTS	OWNER	OWNER	
12	NETWORK ELECTRONICS AND PROGRAMMING	OWNER	OWNER	
13	ELECTRONIC ACCESS CONTROL SYSTEM	OWNER	OWNER	
14	VIDEO SURVEILLANCE SYSTEM CAMERA AND ELECTRONICS.	OWNER	OWNER	

ABBREVIATIONS	
OWNER	BALTIMORE COUNTY GOVERNMENT
GC	GENERAL CONTRACTOR - WHITING TURNER

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

DATE: 06/19/2025

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ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: BW

DWN BY: JM

CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | R.O.W. NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: _____ PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

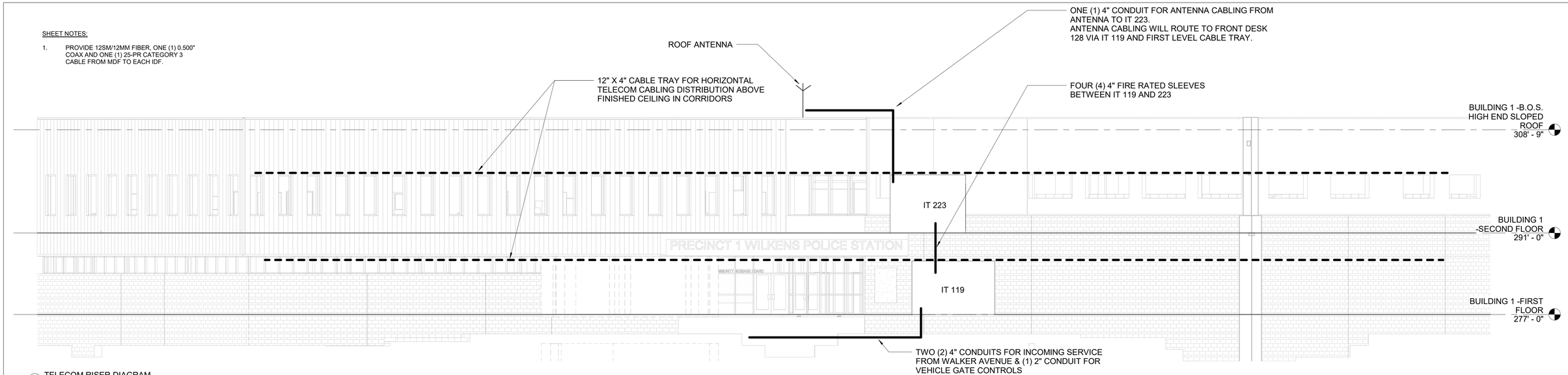
ELECTION DIST. NO.: 01C1

BALTIMORE COUNTY MARYLAND

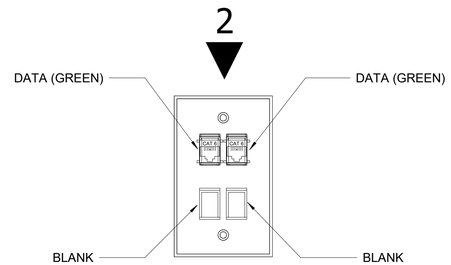
SHEET DESIGNATION	CONTRACT NUMBER
TA002	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 278 OF	302
DRAWING NUMBER	2024-1591
FILE NO.:	8

SHEET NOTES:

1. PROVIDE 12SM/12MM FIBER, ONE (1) 0.500" COAX AND ONE (1) 25-PR CATEGORY 3 CABLE FROM MDF TO EACH IDF.



1 TELECOM RISER DIAGRAM
1/8" = 1'-0"

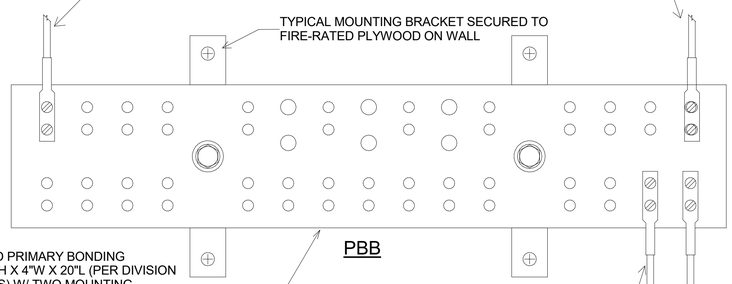


2 TELECOMMUNICATIONS DUAL DATA OUTLET DETAIL
6" = 1'-0"

TELECOMMUNICATIONS BONDING BACKBONE (TBB) FROM PRIMARY BONDING BUSBAR (PBB) TO THE SECONDARY BONDING BUSBAR (SBB). CONNECTION TO PBB SHALL BE UL LISTED EXOTHERMIC TWO-HOLE LUG. WHEN MORE THAN ONE TBB IS USED, BOND THEM TOGETHER ON THE TOP FLOOR AND EVERY THIRD FLOOR IN-BETWEEN WITH A BBC (PER DIVISION 27 SPECIFICATIONS).

TELECOMMUNICATIONS BONDING CONDUCTOR (TBC) FROM THE PBB TO THE GROUNDING ELECTRODE IN ELECTRICAL ENTRANCE FACILITY. CONNECTION TO PBB SHALL BE UL LISTED EXOTHERMIC TWO-HOLE LUG.

TYPICAL MOUNTING BRACKET SECURED TO FIRE-RATED PLYWOOD ON WALL



PBB

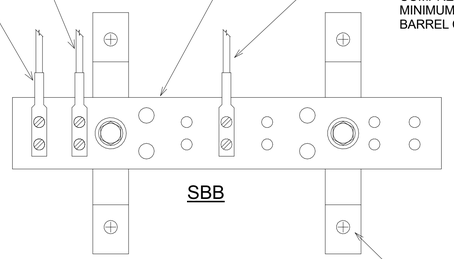
COPPER UL LISTED PRIMARY BONDING BUSBAR (PBB) 1/4"H X 4"W X 20"L (PER DIVISION 27 SPECIFICATIONS) W/ TWO MOUNTING BRACKETS AND INSULATORS. ACCEPTABLE MANUFACTURERS: CHATSWORTH, ERITECH, HARGER, HOMACO, & PANDUIT. CONNECTION TO PBB SHALL BE UL LISTED EXOTHERMIC TWO-HOLE LUG.

BONDING CONDUCTOR FROM THE STRUCTURAL METAL TO PBB OR SBB. CONNECTION TO STRUCTURAL STEEL SHALL BE UL LISTED EXOTHERMIC TWO-HOLE LUG.

TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR (TEBC). A CABLE USED FOR RACKS AND CABINETS. EACH RACK OR CABINET TO HAVE A HOME RUN TEBC BACK TO THE PBB OR SBB.

BONDING CABLE FOR CABLE RUNWAYS / APPLICABLE EQUIPMENT. SIZE PER DIVISION 27 SPECIFICATIONS

SIZING OF THE TBB/BCC/TBC	
LENGTH (FEET)	SIZE (AWG)
LESS THAN (<) 13'	#6
14' - 20'	#4
21' - 26'	#3
27' - 33'	#2
34' - 41'	#1
42' - 52'	#1/0
53' - 66'	#2/0
67' - 84'	#3/0
85' - 105'	#4/0
106' - 125'	250 KCMIL
126' - 150'	300 KCMIL
151' - 175'	350 KCMIL
176' - 250'	500 KCMIL
251' - 300'	600 KCMIL
GREATER THAN (>) 301'	750 KCMIL



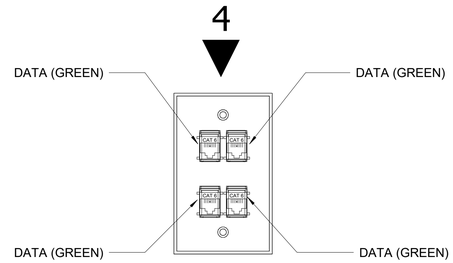
SBB

COPPER UL LISTED SECONDARY BONDING BUSBAR (SBB) MINIMUM 1/4"H X 2"W X 12"L (PER DIVISION 27 SPECIFICATIONS) W/ TWO MOUNTING BRACKETS AND INSULATORS. ACCEPTABLE MANUFACTURERS: CHATSWORTH, ERITECH, HARGER, HOMACO, & PANDUIT. UTILIZE BUSBAR MANUFACTURER FOR COMPRESSION TWO-HOLE LUGS.

TYPICAL BONDING CONDUCTOR CONNECTORS SHALL BE UL LISTED COMPRESSION TWO-HOLE LUGS. A MINIMUM OF TWO CRIMPS ON A LONG BARREL COMPRESSION LUG.

TYPICAL MOUNTING BRACKET SECURED TO FIRE-RATED PLYWOOD ON WALL.

PROVIDE PBB AT TELECOMMUNICATIONS ENTRANCE ROOM AND SBB IN TYPICAL TELECOMMUNICATIONS SPACES



3 TELECOMMUNICATIONS QUAD DATA OUTLET DETAIL
6" = 1'-0"

4 TELECOMMUNICATIONS GROUNDING DETAILS
6" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

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ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

CONTRACT COMPLETION BOX | R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: As indicated | APPROVED BY: _____ PROPERTY MANAGER

14SW20 | PROFILE SCALE: _____ | DATE: _____

DESIGNED BY:	BW	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY:	JM	REVIEWED BY:							
CHKD BY:	BH	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

TELECOM RISER DIAGRAM & GROUNDING DETAIL

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

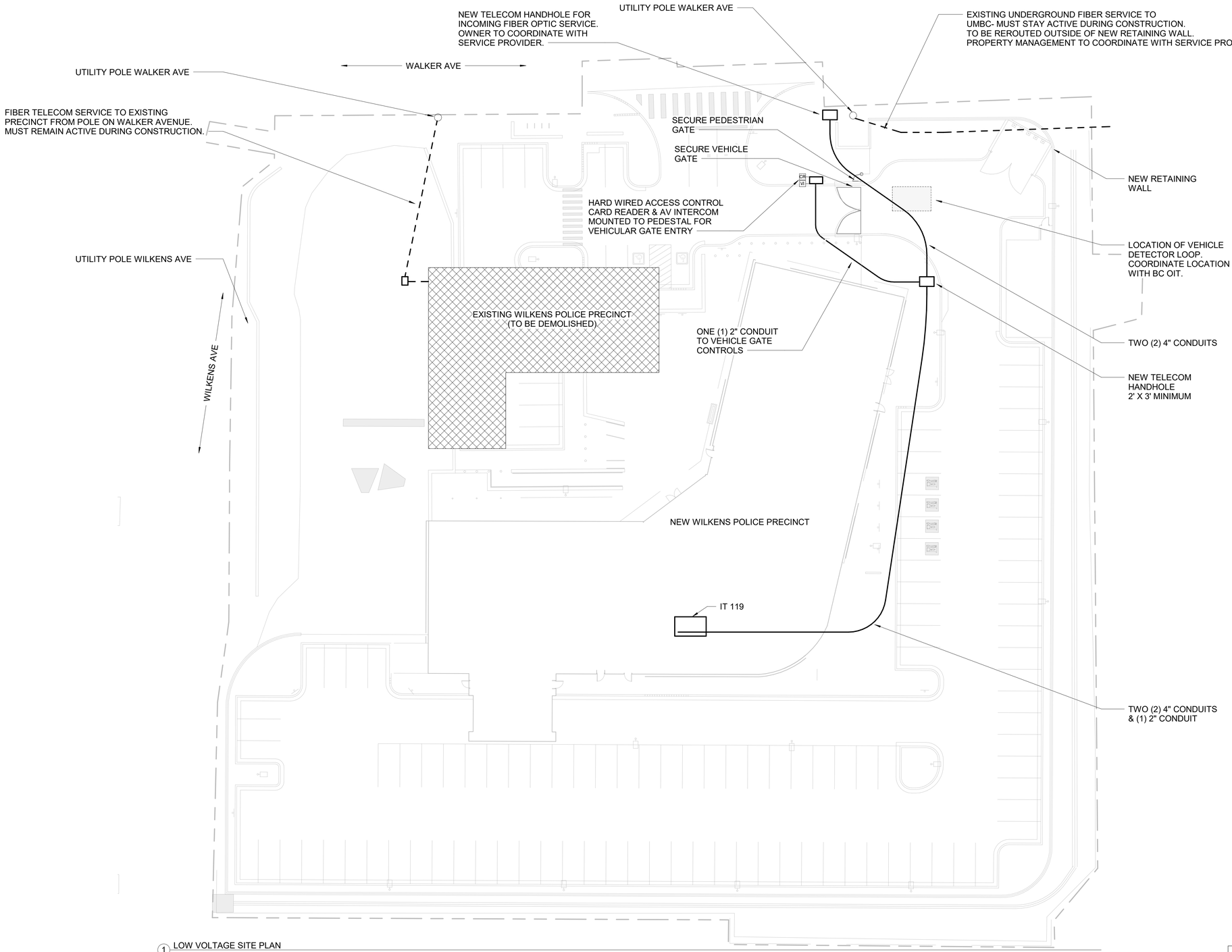
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA010	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 279 OF 302
	DRAWING NUMBER
	2024-1592
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

REV. 05/19



1 LOW VOLTAGE SITE PLAN
1" = 20'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

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AS-BUILT PER RECORD PRINT

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DGN BY: BW
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AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT

R.O.W. NO. | GSW | 14SW19 | PLAN SCALE: 1" = 20'-0" | APPROVED BY: _____ PROPERTY MANAGER

14SW20 | PROFILE SCALE: _____ | DATE: _____

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SITE PLAN

NEW BUILDING DESIGN

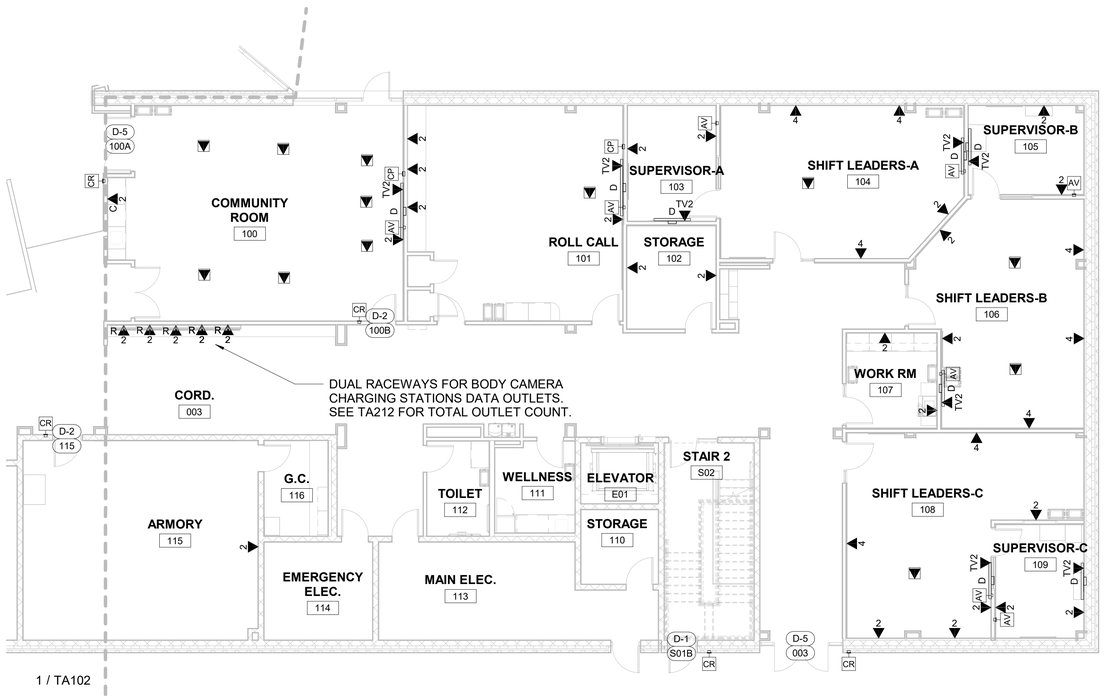
901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

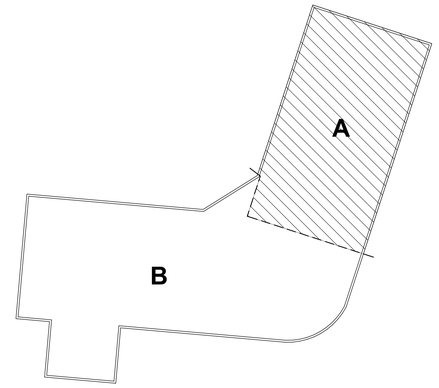
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA100	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 280 OF 302
	DRAWING NUMBER
	2024-1593
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 ENLARGED - FIRST FLOOR WING A
1/8" = 1'-0"



File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

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LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

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BY: _____
DATE: _____

DGN BY: BW
DWN BY: JM
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AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO. | R.O.W NO. | KEY SHEET | POSITION SHT

GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE FIRST FLOOR PLAN - WING A

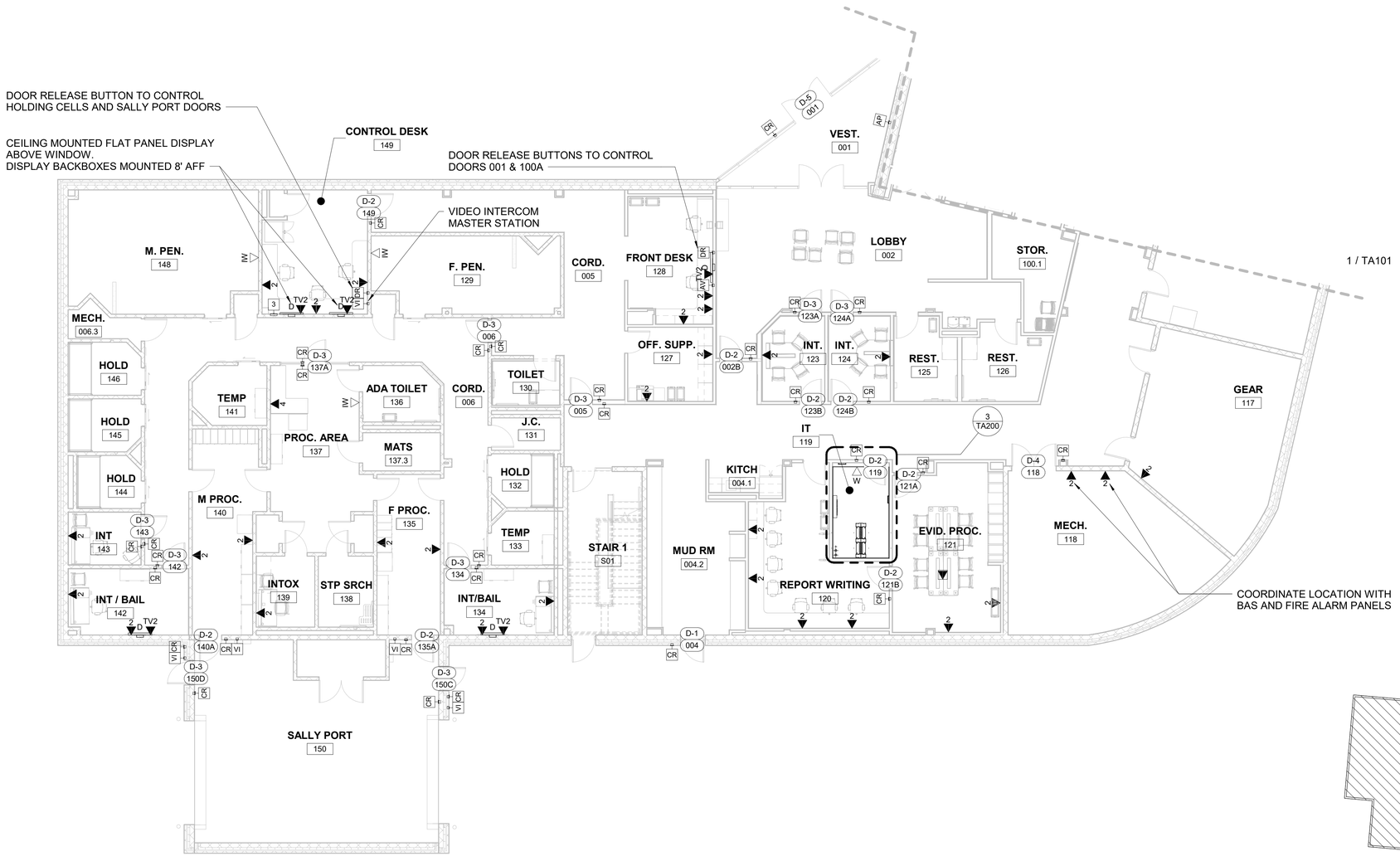
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA101	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 281 OF 302
	DRAWING NUMBER
	2024-1594
	FILE NO.: 8



1 ENLARGED - FIRST FLOOR WING B
1/8" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

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CHKD BY: BH

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	GSW	14SW19
CONTRACT COMPLETION BOX					14SW20

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE FIRST FLOOR PLAN - WING B

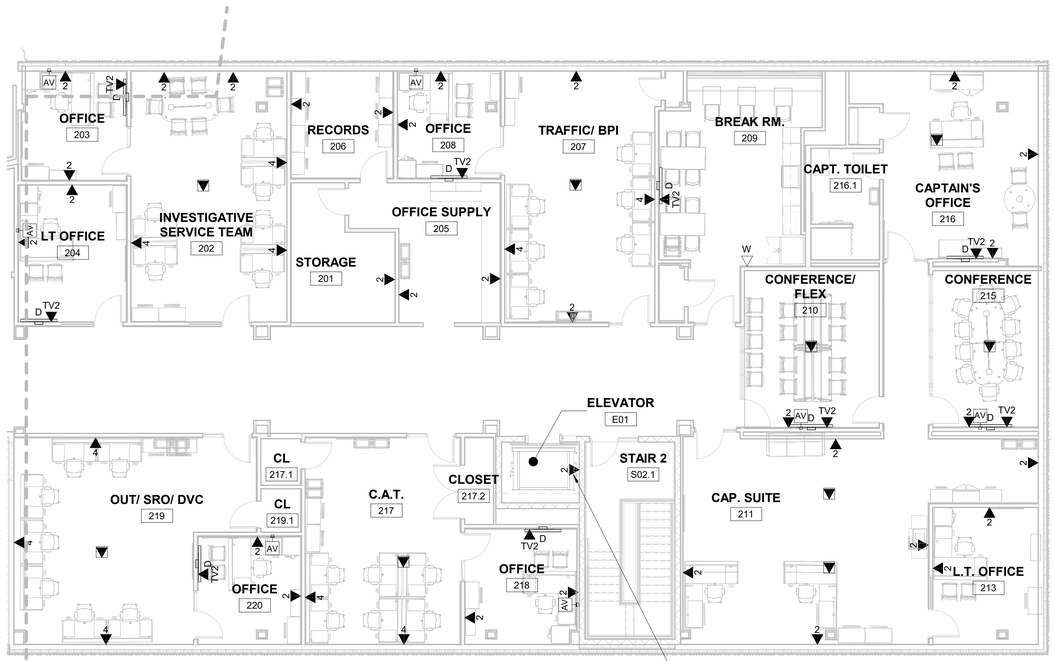
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

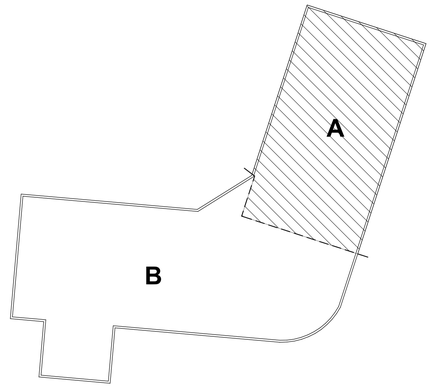
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA102	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 282 OF 302
	DRAWING NUMBER
	2024-1595
	FILE NO.: 8



1 / TA104

1 ENLARGED - SECOND FLOOR WING A
1/8" = 1'-0"



File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-26 — CBCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT DWN BY: JM

BY: _____ CHKD BY: BH
DATE: _____

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SECOND FLOOR PLAN - WING A

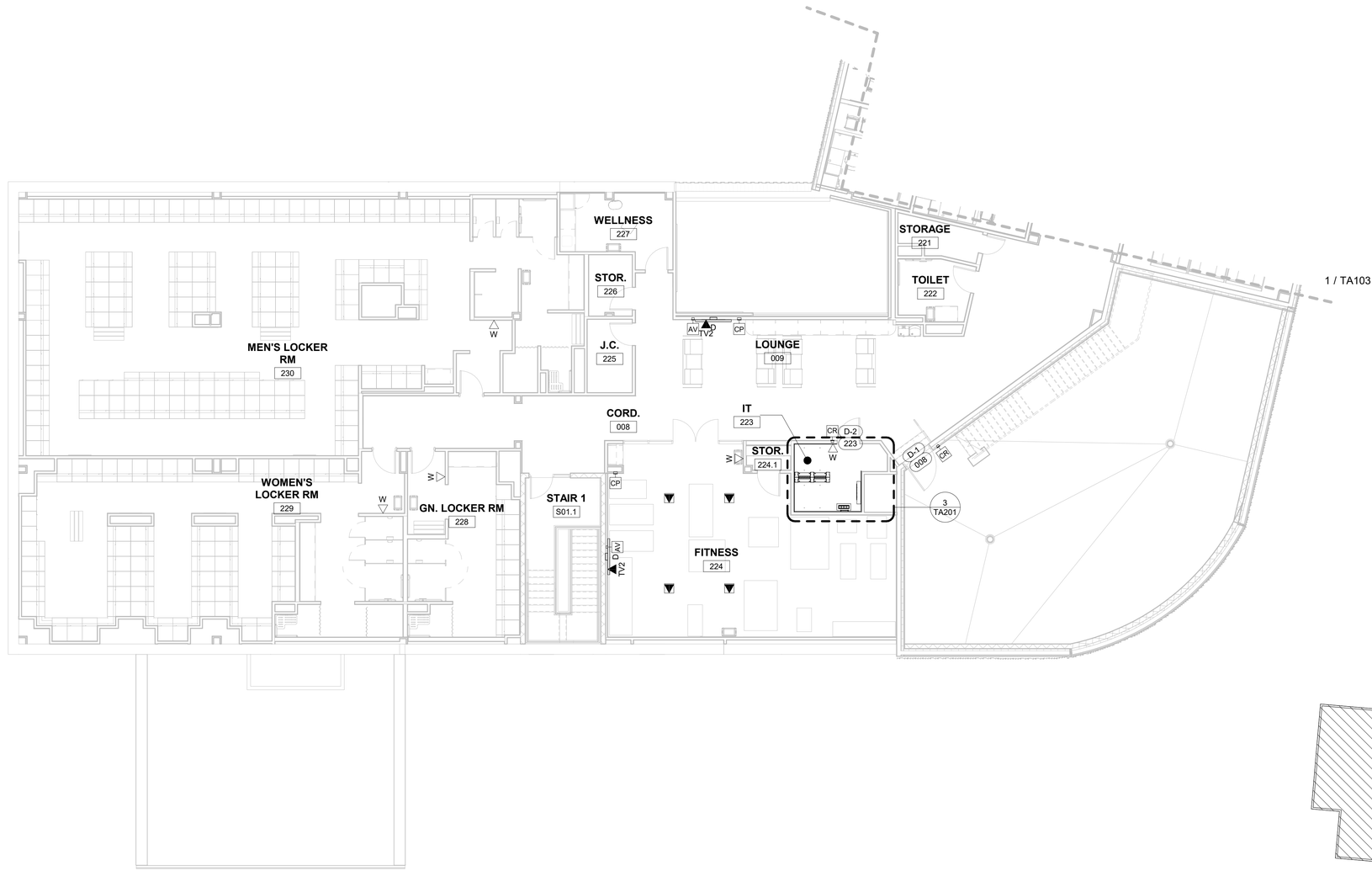
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

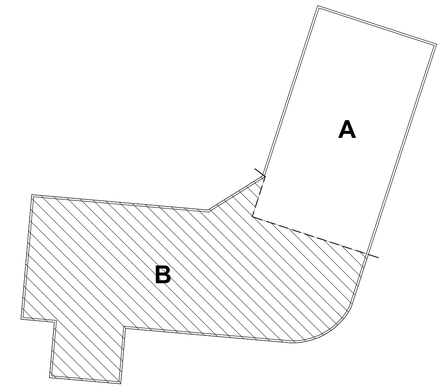
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA103	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 283 OF 302
	DRAWING NUMBER
	2024-1596
	FILE NO.: 8



1 ENLARGED - SECOND FLOOR WING B
1/8" = 1'-0"



File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — CRCDD 11-77-2024

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION		AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE:							14SW19	PLAN SCALE:	1/8" = 1'-0"	APPROVED BY: _____ PROPERTY MANAGER
		CONTRACT COMPLETION BOX			R.O.W. NO.	GSW	14SW20	PROFILE SCALE:		DATE: _____
ARCHITECT: _____	DGN BY: BW	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS–BUILT PER RECORD PRINT	DWN BY: JM	REVIEWED BY:								
BY: DATE:	CHKD BY: BH	DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SECOND FLOOR PLAN - WING B

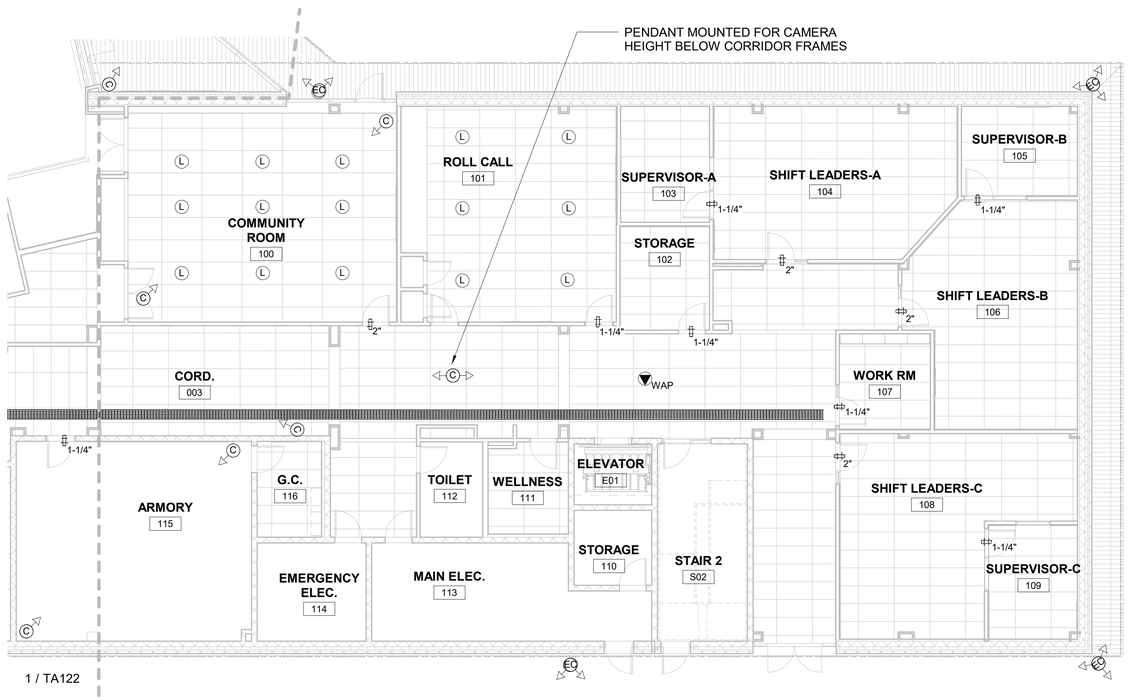
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

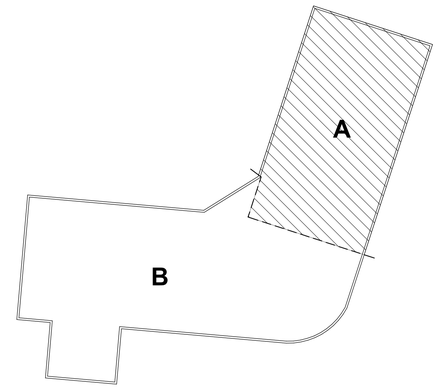
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA104	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 284 OF 302
	DRAWING NUMBER
	2024-1597
	FILE NO.: 8 REV. 07/22



1 / TA122

1 ENLARGED RCP - FIRST FLOOR WING A
1/8" = 1'-0"



File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-25 — RCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT — DWN BY: JM

BY: _____ DATE: _____ CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" — PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE FIRST FLOOR RCP - WING A

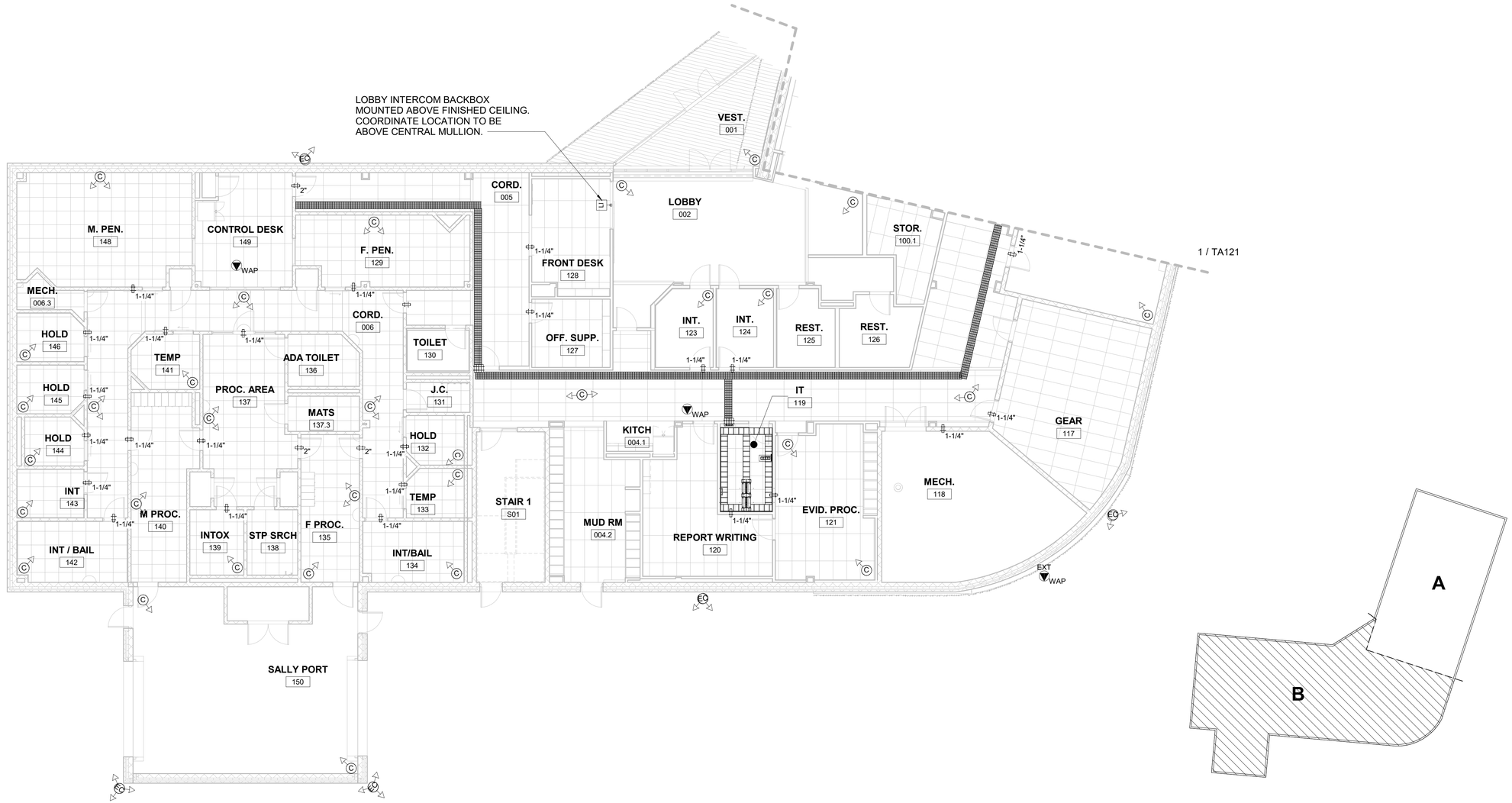
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA121	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 285 OF 302	
DRAWING NUMBER	2024-1598
FILE NO.: 8	



1 ENLARGED RCP - FIRST FLOOR WING B
1/8" = 1'-0"

File Path

DWG FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE FIRST FLOOR RCP - WING B

NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

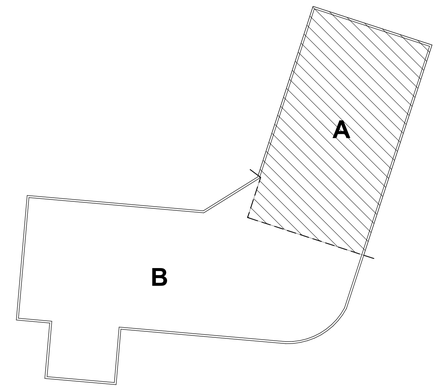
SHEET DESIGNATION	CONTRACT NUMBER
TA122	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 286 OF 302	
DRAWING NUMBER	2024-1599
FILE NO.: 8	REV. 07/25

BALTIMORE COUNTY MARYLAND

1 / TA124

ENLARGED RCP - SECOND FLOOR WING A

1 1/8" = 1'-0"



File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — Expires 12-31-25 — RCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT BY: DRN BY: JM

DATE: CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SECOND FLOOR RCP - WING A

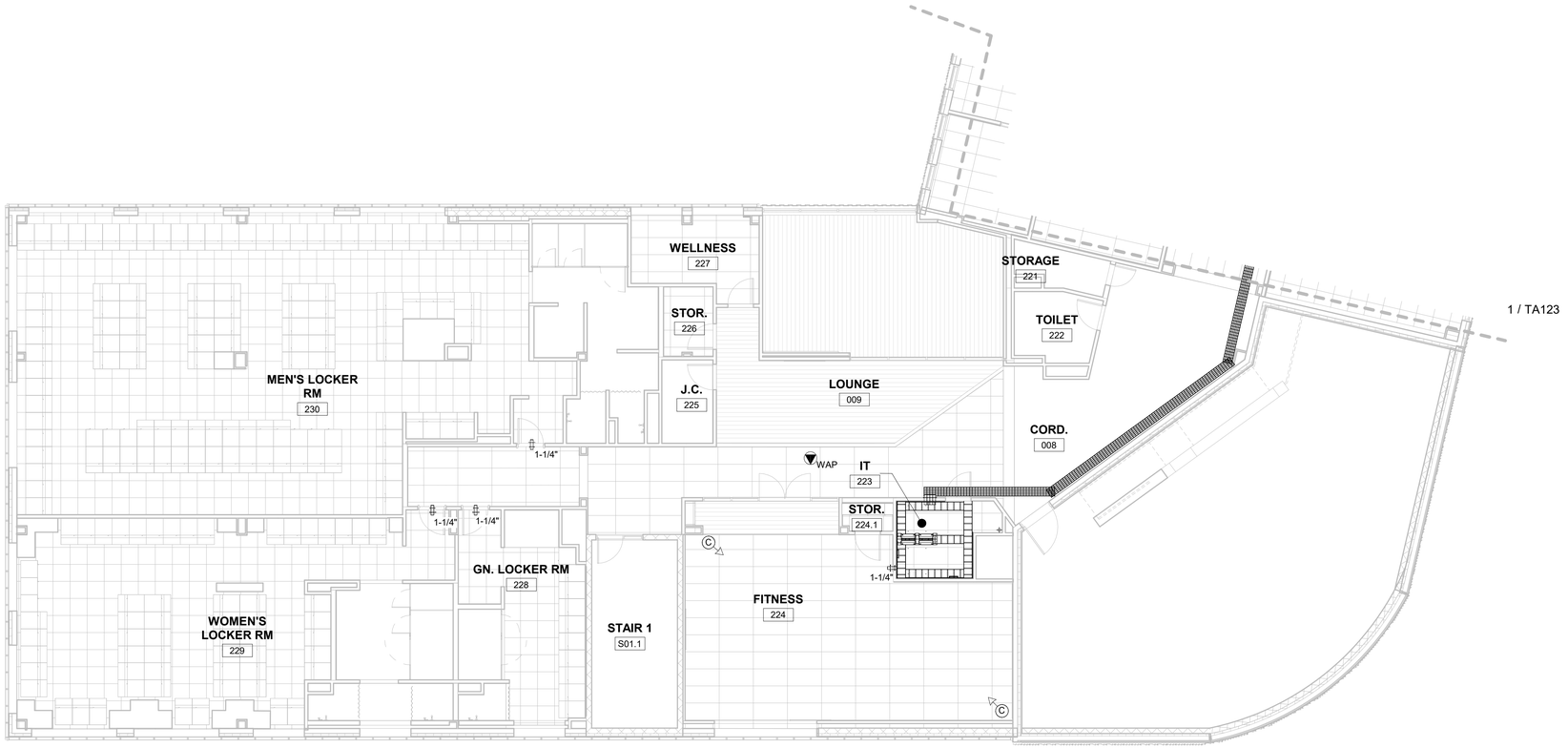
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

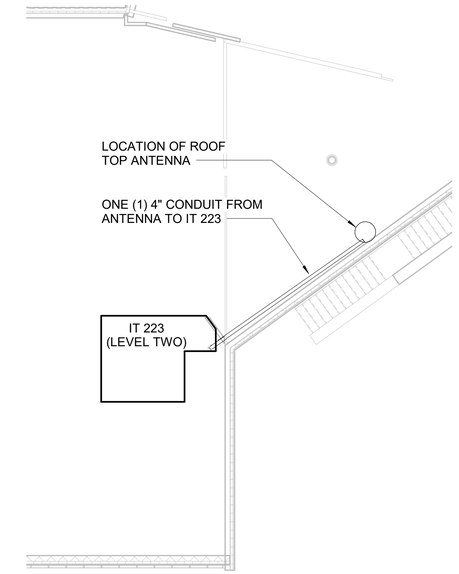
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

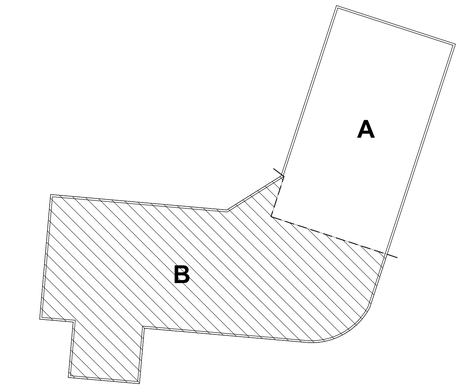
SHEET DESIGNATION	CONTRACT NUMBER
TA123	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 287 OF 302
	DRAWING NUMBER
	2024-1600
	FILE NO.: 8



ENLARGED RCP - SECOND FLOOR WING B
1/8" = 1'-0"



2 LOW VOLTAGE ROOF ANTENNA
1/8" = 1'-0"



File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — Expires 12-31-25 — RCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT — DRN BY: JM

BY: _____ DATE: _____ CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" — PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER — DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SECOND FLOOR RCP - WING B

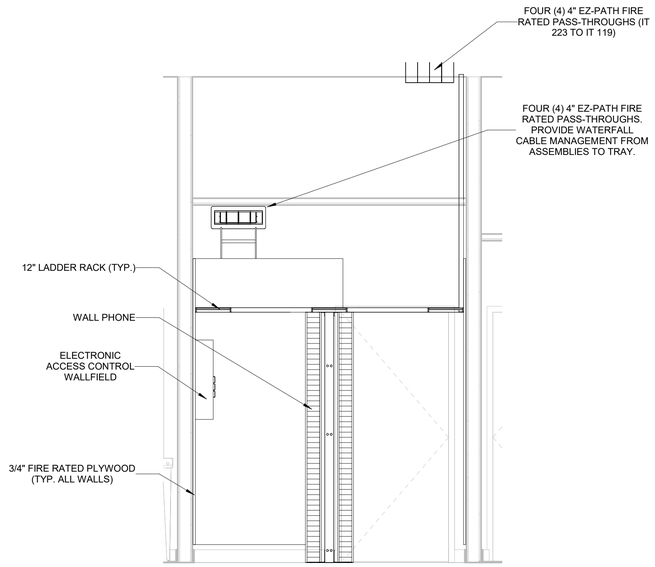
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

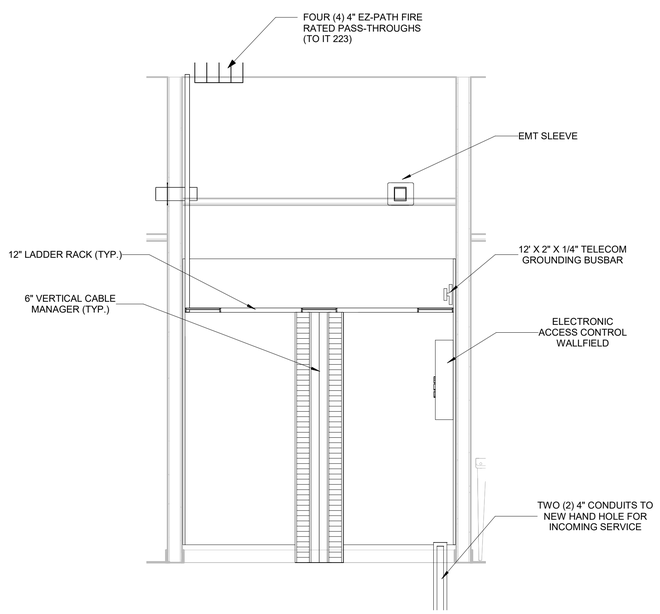
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

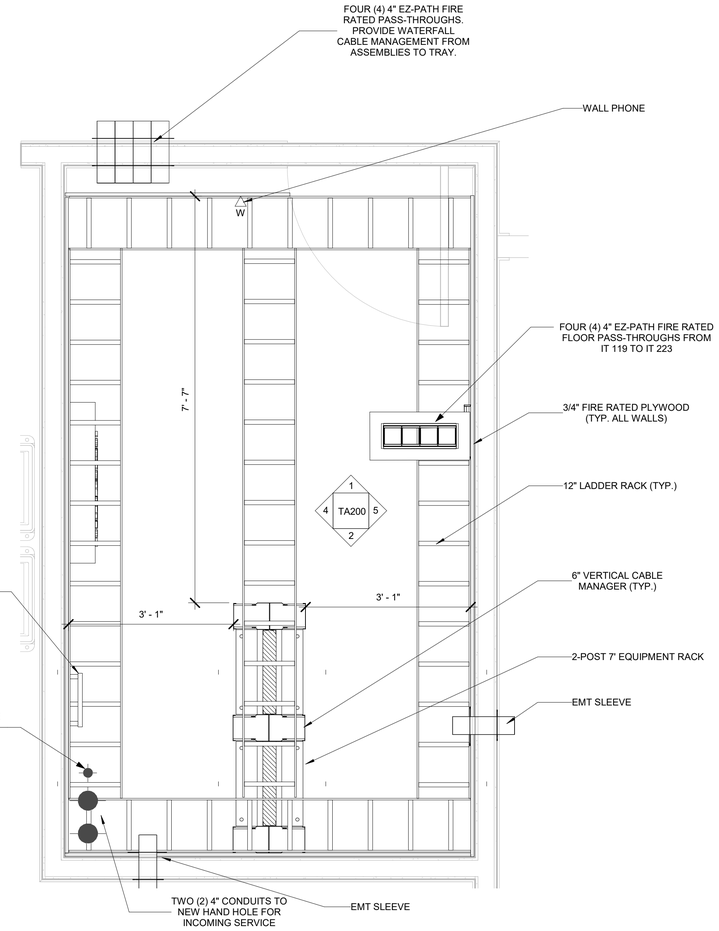
SHEET DESIGNATION	CONTRACT NUMBER
TA124	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 288 OF 302
	DRAWING NUMBER
	2024-1601
	FILE NO.: 8



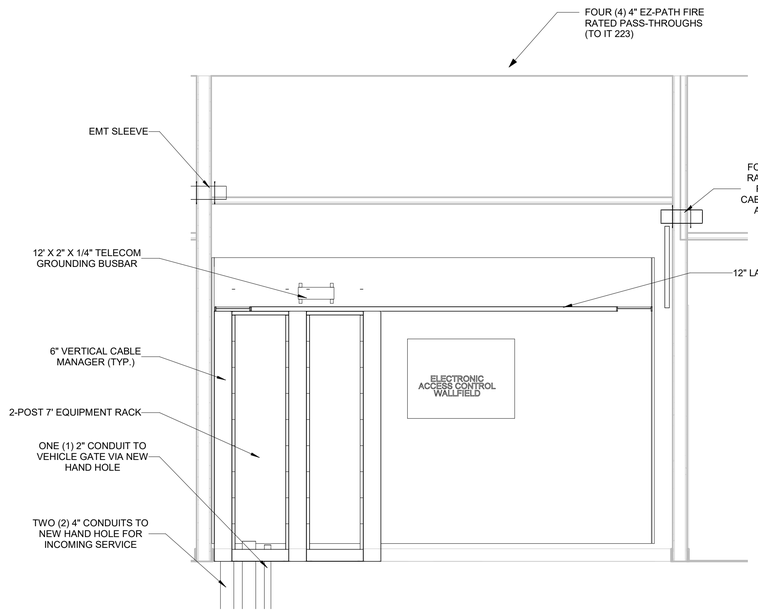
1 IT 119 ELEVATION NORTH
1/2" = 1'-0"



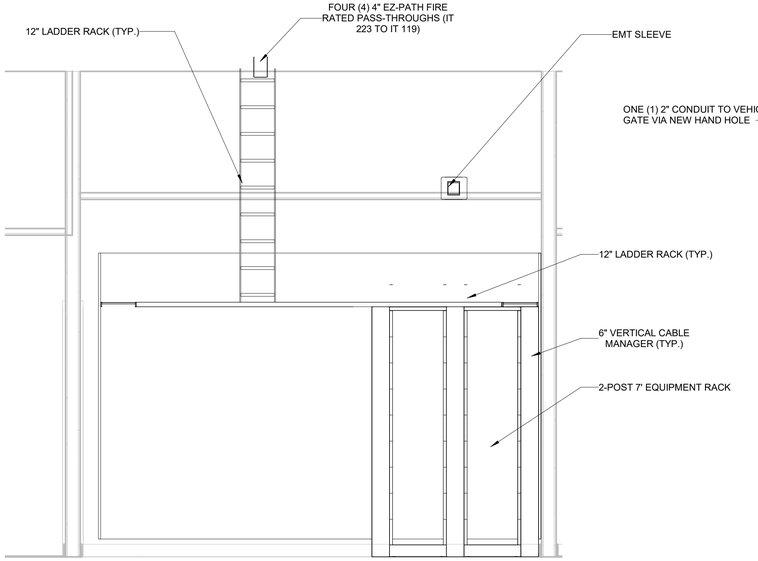
2 IT 119 ELEVATION SOUTH
1/2" = 1'-0"



3 IT 119 ENLARGED FLOOR PLAN
3/4" = 1'-0"



4 IT 119 ELEVATION WEST
1/2" = 1'-0"



5 IT 119 ELEVATION EAST
1/2" = 1'-0"

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — CBCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE: _____							14SW19	PLAN SCALE:	As indicated
					R.O.W NO.	GSW	14SW20	PROFILE SCALE:	
		CONTRACT COMPLETION BOX							
ARCHITECT: _____	DGN BY: BW	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DRN BY: JM	REVIEWED BY:							
BY: DATE:	CHKD BY: BH	DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

IT 119 ELEVATIONS & ENLARGED DETAILS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

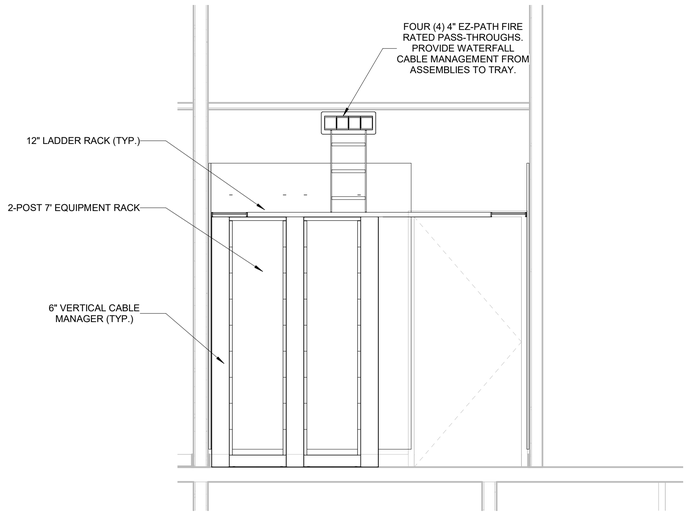
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA200	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 289 OF 302
	DRAWING NUMBER
	2024-1602
	FILE NO.: 8 REV. 07.22

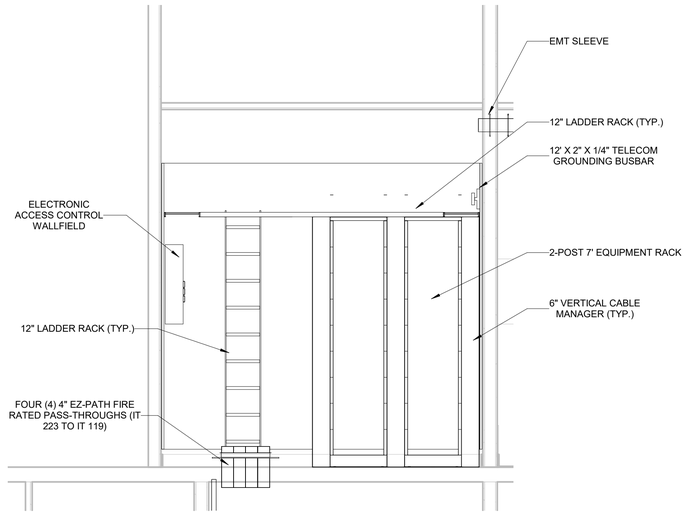
BALTIMORE COUNTY MARYLAND

File Path

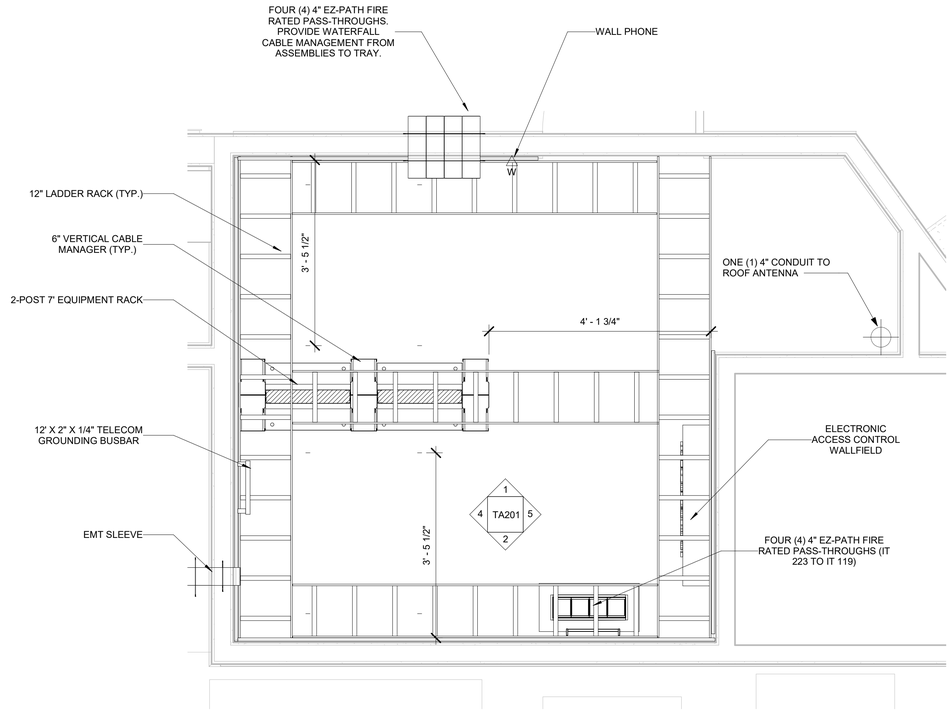
DWG. FILENAME:



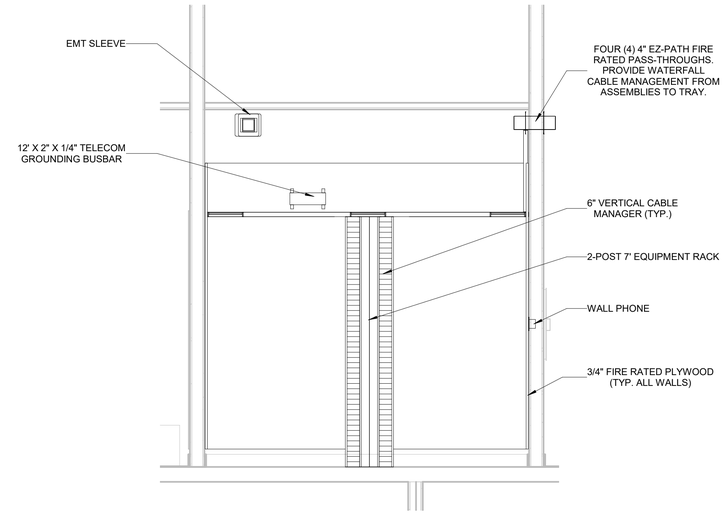
1 IT 223 ELEVATION NORTH
1/2" = 1'-0"



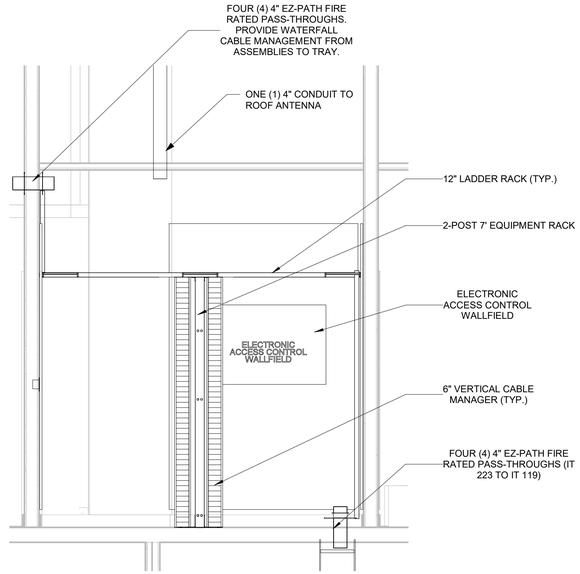
2 IT 223 ELEVATION SOUTH
1/2" = 1'-0"



3 IT 223 ENLARGED FLOOR PLAN
3/4" = 1'-0"



4 IT 223 ELEVATION WEST
1/2" = 1'-0"



5 IT 223 ELEVATION EAST
1/2" = 1'-0"

File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — CBCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT DRN BY: JM

BY: _____ DATE: _____ CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

DATE REVIEWED:

P.W.A. NO. | R.O.W NO. | KEY SHEET: GSW | POSITION SHT: 14SW19, 14SW20

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

IT 223 ELEVATIONS & ENLARGED DETAILS

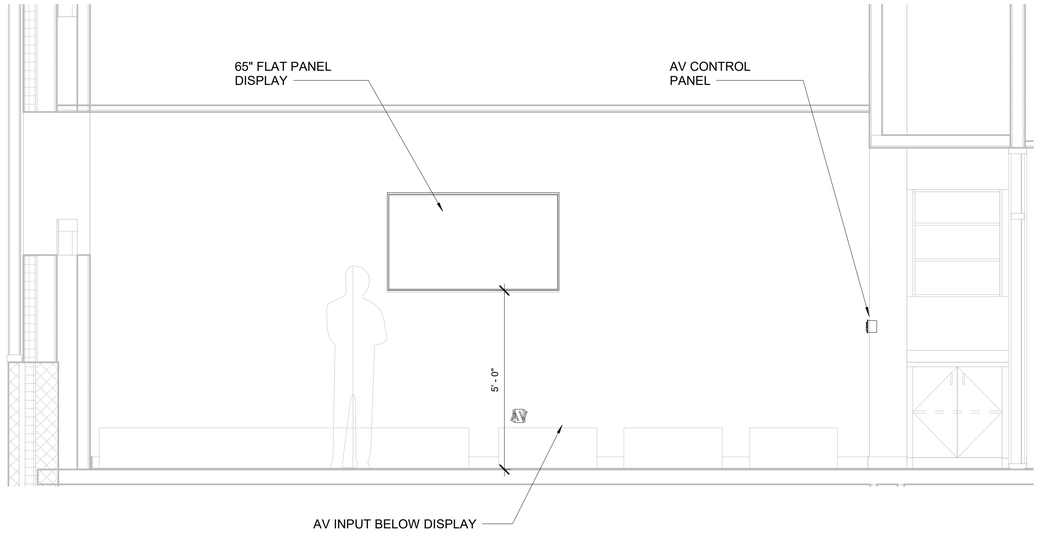
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

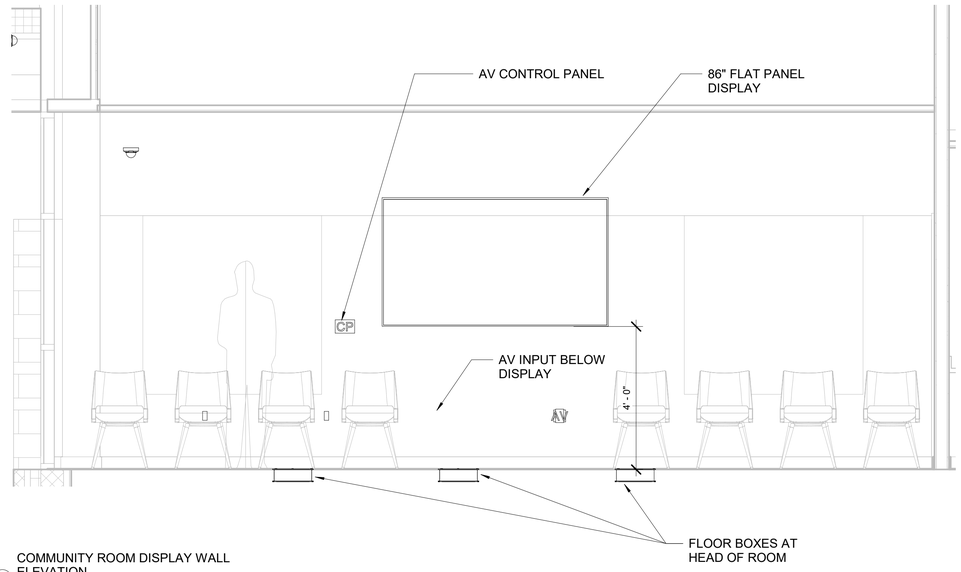
SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

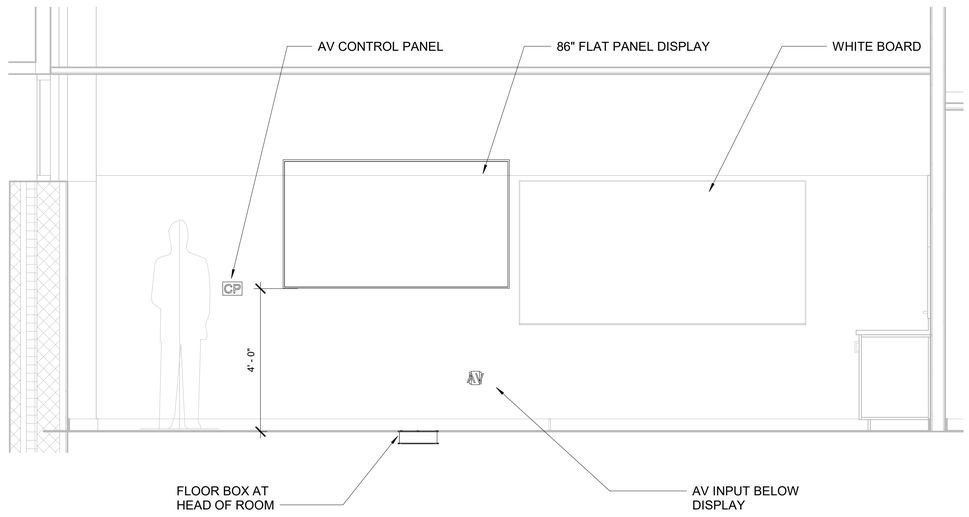
SHEET DESIGNATION	CONTRACT NUMBER
TA201	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 290 OF 302
	DRAWING NUMBER
	2024-1603
	FILE NO.: 8 REV. 07/10



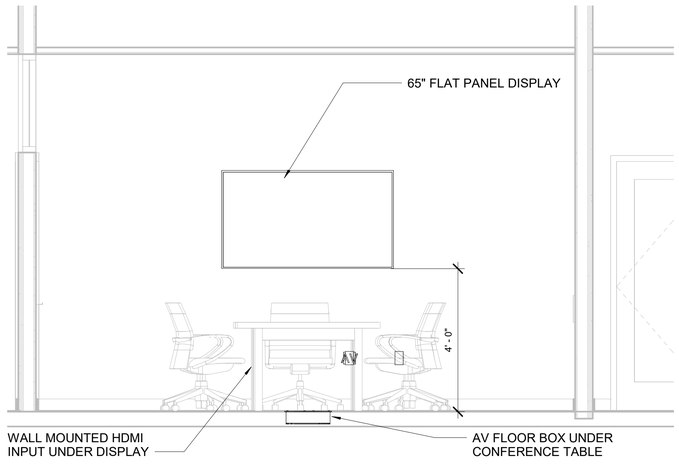
1 TYPICAL FITNESS ROOM DISPLAY WALL ELEVATION
1/2" = 1'-0"



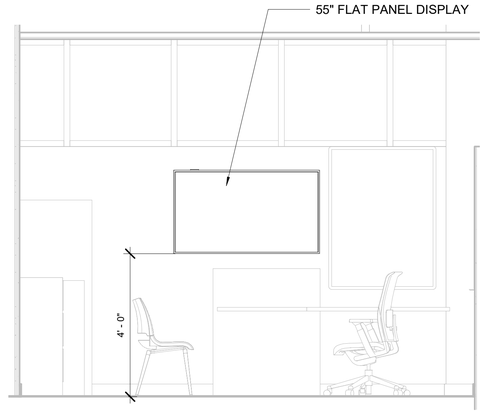
2 COMMUNITY ROOM DISPLAY WALL ELEVATION
1/2" = 1'-0"



3 ROLL CALL DISPLAY WALL ELEVATION
1/2" = 1'-0"



4 TYPICAL CONFERENCE ROOM DISPLAY WALL ELEVATION
1/2" = 1'-0"



5 TYPICAL OFFICE DISPLAY ELEVATION
1/2" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT BY: DATE: DWN BY: JM CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 1/2" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DISPLAY WALL ELEVATIONS (1 OF 2)

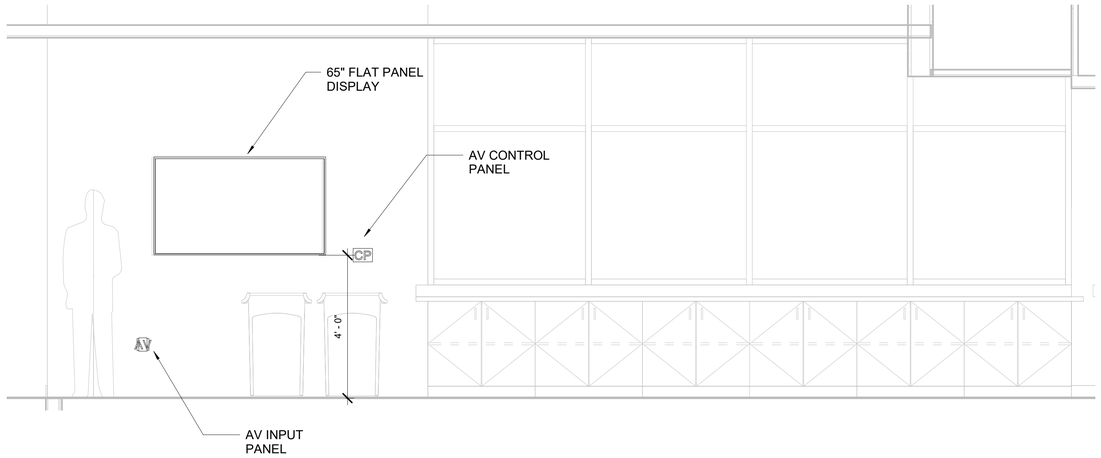
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

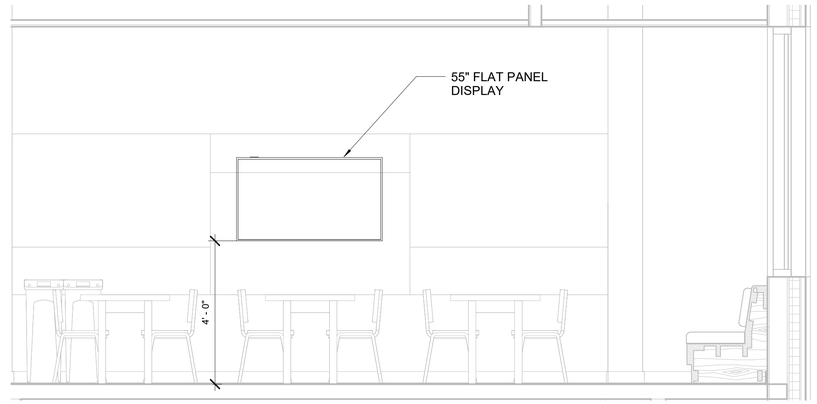
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

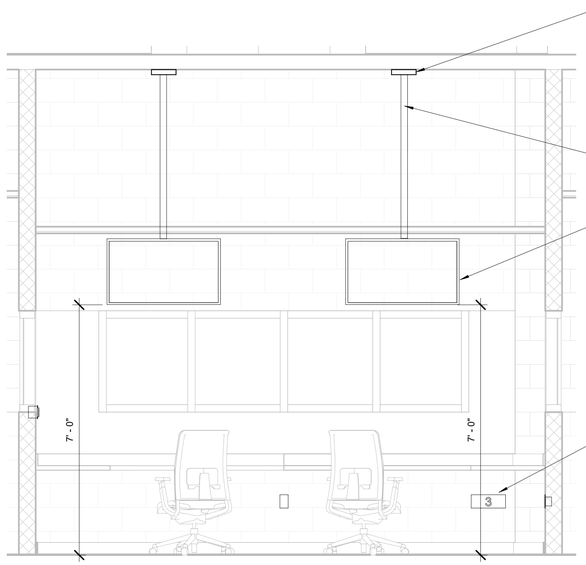
SHEET DESIGNATION	CONTRACT NUMBER
TA210	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 291 OF 302	
DRAWING NUMBER	2024-1604
FILE NO.: 8	REV. 01.02



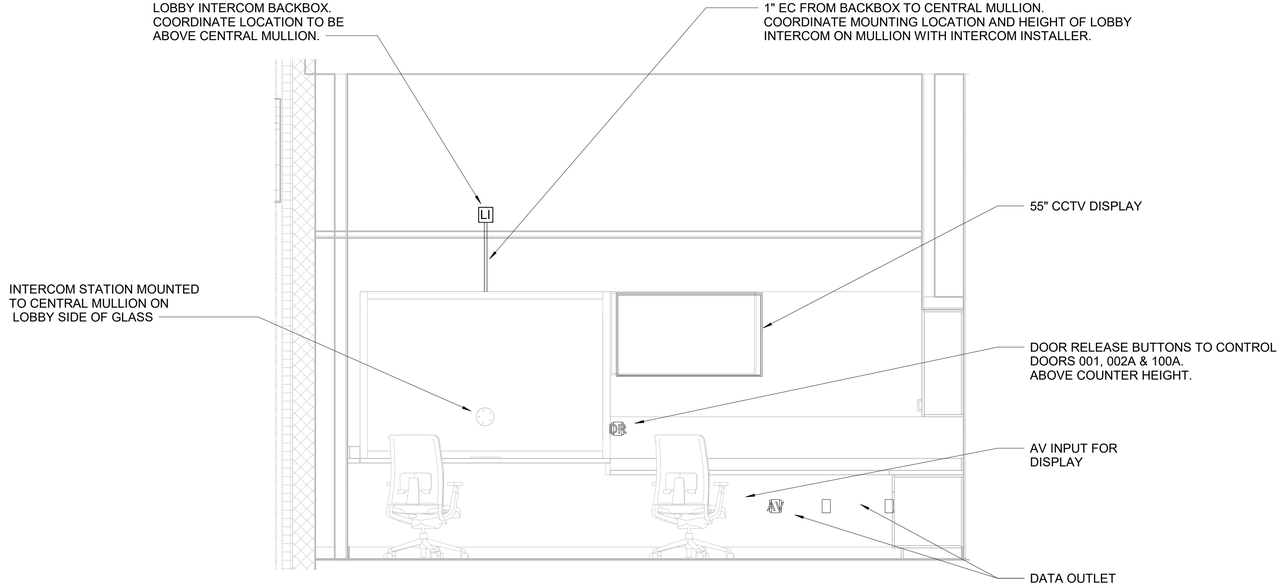
1 LOUNGE 009 DISPLAY WALL ELEVATION
1/2" = 1'-0"



2 BREAK ROOM DISPLAY WALL ELEVATION
1/2" = 1'-0"



3 CONTROL DESK DISPLAY WALL ELEVATION
1/2" = 1'-0"



4 FRONT DESK 121 DISPLAY WALL ELEVATION
1/2" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630387 — EXPIRES 12-31-26 — CRCDD — 11-27-2024

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 1/2" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

DISPLAY WALL ELEVATIONS (2 OF 2)

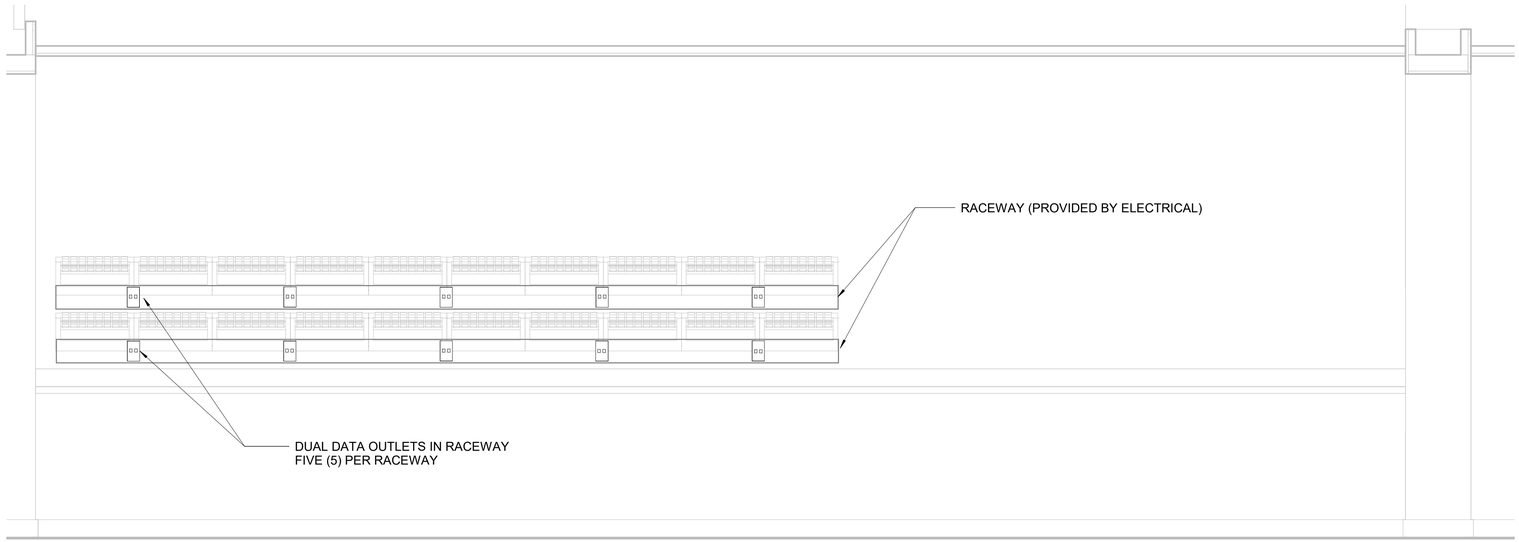
NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA211	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 292 OF 302
	DRAWING NUMBER
	2024-1605
	FILE NO.: 8



1 BODY CAMERA CHARGING STATION
TELECOM OUTLETS
3/4" = 1'-0"

File Path

DWG. FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO.

KEY SHEET: GSW

POSITION SHT: 14SW19 | 14SW20

DRAWING SCALE
PLAN SCALE: 3/4" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

BODY CAMERA CHARGING STATION ELEVATION

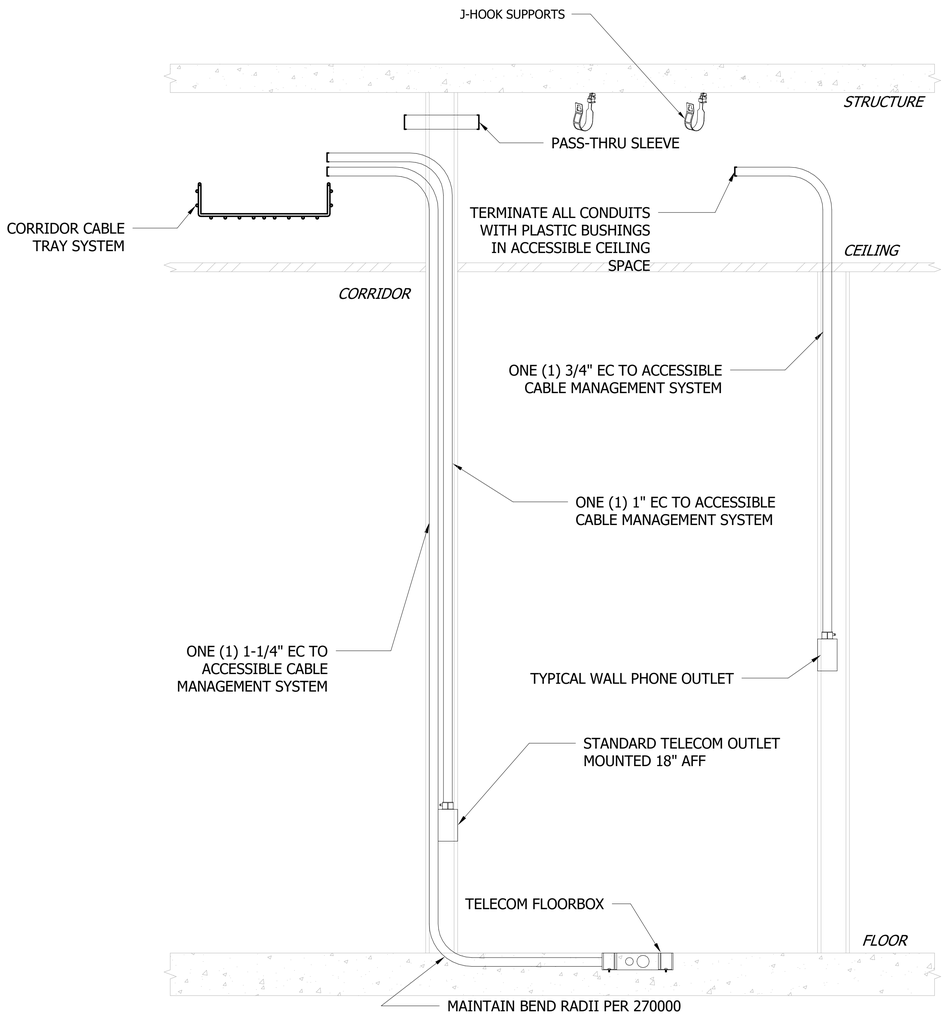
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

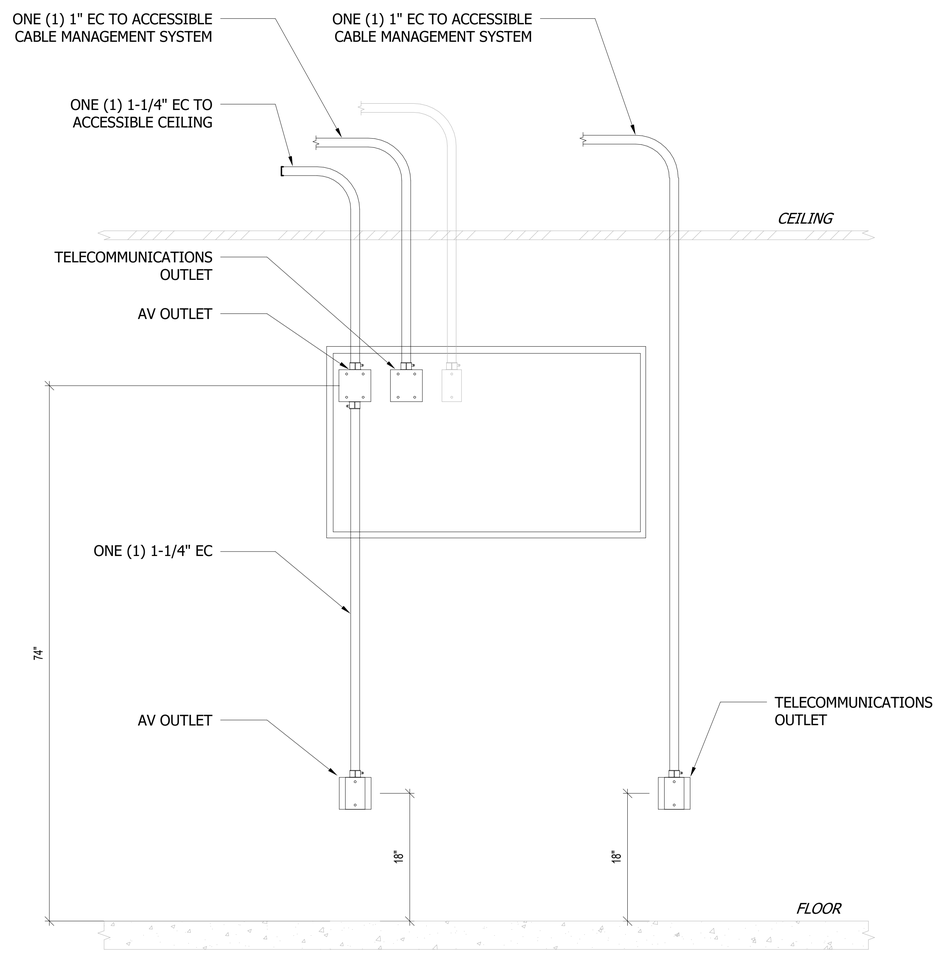
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA212	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 293 OF 302	
DRAWING NUMBER	2024-1606
FILE NO.: 8	REV. 07/25



1 TYPICAL TELECOM INFRASTRUCTURE DETAILS
3" = 1'-0"



2 TYPICAL DISPLAY INFRASTRUCTURE DETAIL
3" = 1'-0"

File Path

DWG. FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI BRIAN WHITLOCK BICSI ID # 163087 EXPIRES 12-31-26

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY: BW
DWN BY: JM
CHKD BY: BH

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	GSW	14SW19
		14SW20

DRAWING SCALE
PLAN SCALE: 3" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (1 OF 3)

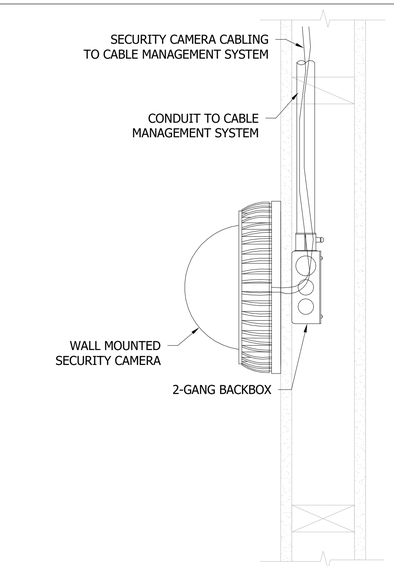
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

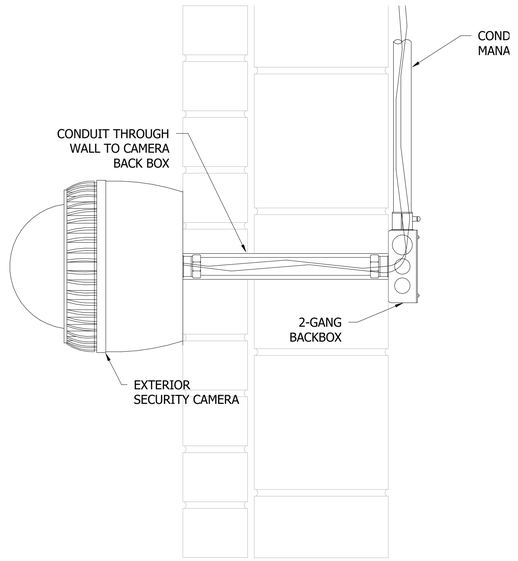
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

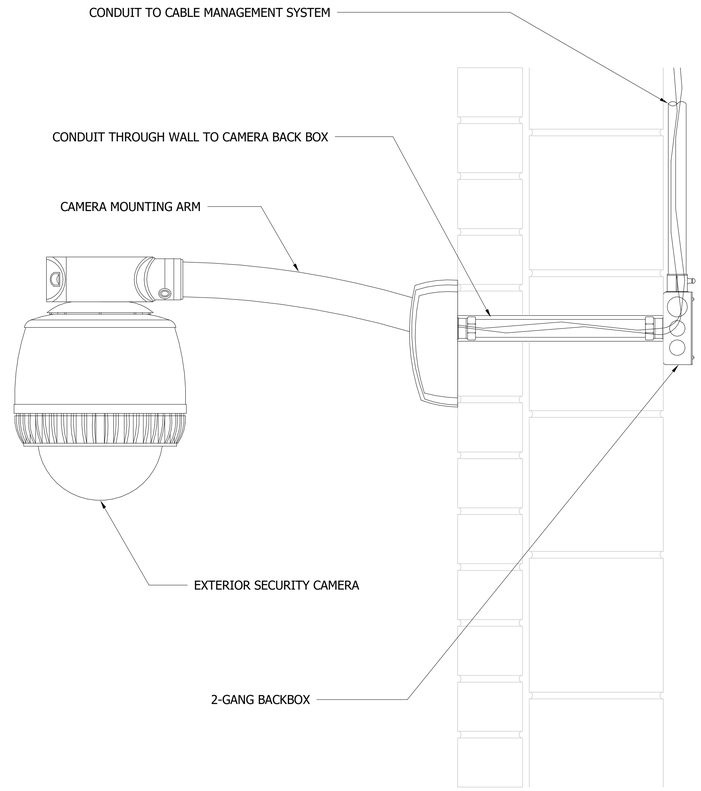
SHEET DESIGNATION	CONTRACT NUMBER
TA500	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 294 OF 302
	DRAWING NUMBER
	2024-1607
	FILE NO.: 8



1 INTERIOR WALL MOUNTED CAMERA INFRASTRUCTURE DETAILS
3" = 1'-0"



2 EXTERIOR CAMERA INFRASTRUCTURE DETAIL
3" = 1'-0"



3 EXTERIOR CAMERA WITH MOUNTING ARM INFRASTRUCTURE DETAIL
3" = 1'-0"

4 CEILING PENDANT CAMERA INFRASTRUCTURE DETAILS
3" = 1'-0"

5 CAMERA IN ACCESSIBLE CEILING TILE INFRASTRUCTURE DETAIL
3" = 1'-0"

File Path

DWG FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — CCDD — 11-22-2024

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____
DATE: _____

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
			R.O.W NO.
CONTRACT COMPLETION BOX			

KEY SHEET	POSITION SHT
GSW	14SW19
	14SW20

DRAWING SCALE
PLAN SCALE: 3" = 1'-0"
PROFILE SCALE: _____

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY: BW	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: JM	REVIEWED BY:							
CHKD BY: BH	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (2 OF 3)

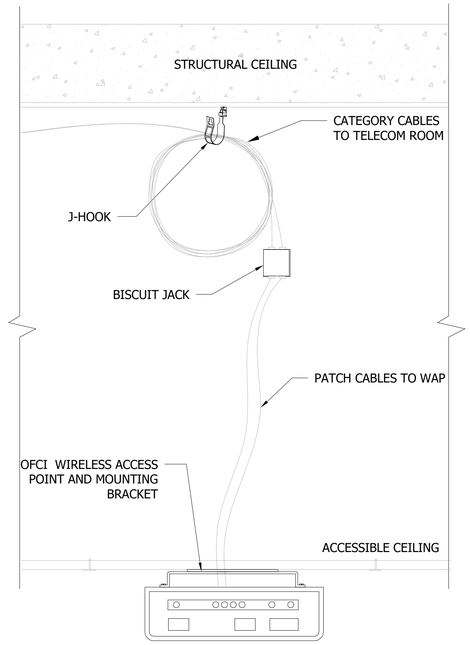
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

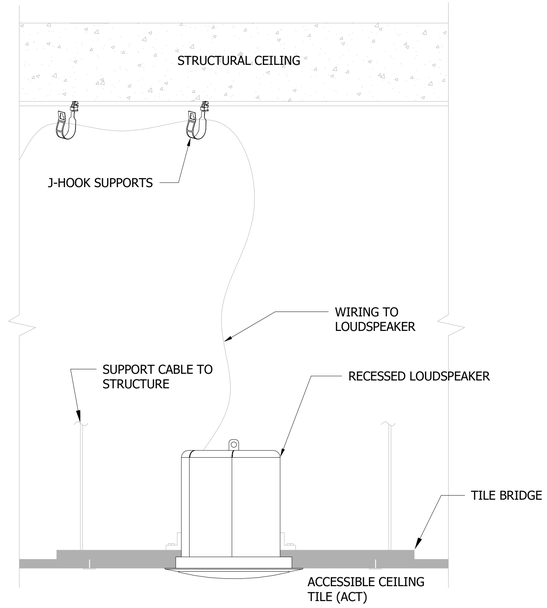
901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA501	24111 PPO
	JOB ORDER NUMBER
	300200006
	SHEET 295 OF 302
	DRAWING NUMBER
	2024-1608
	FILE NO.: 8

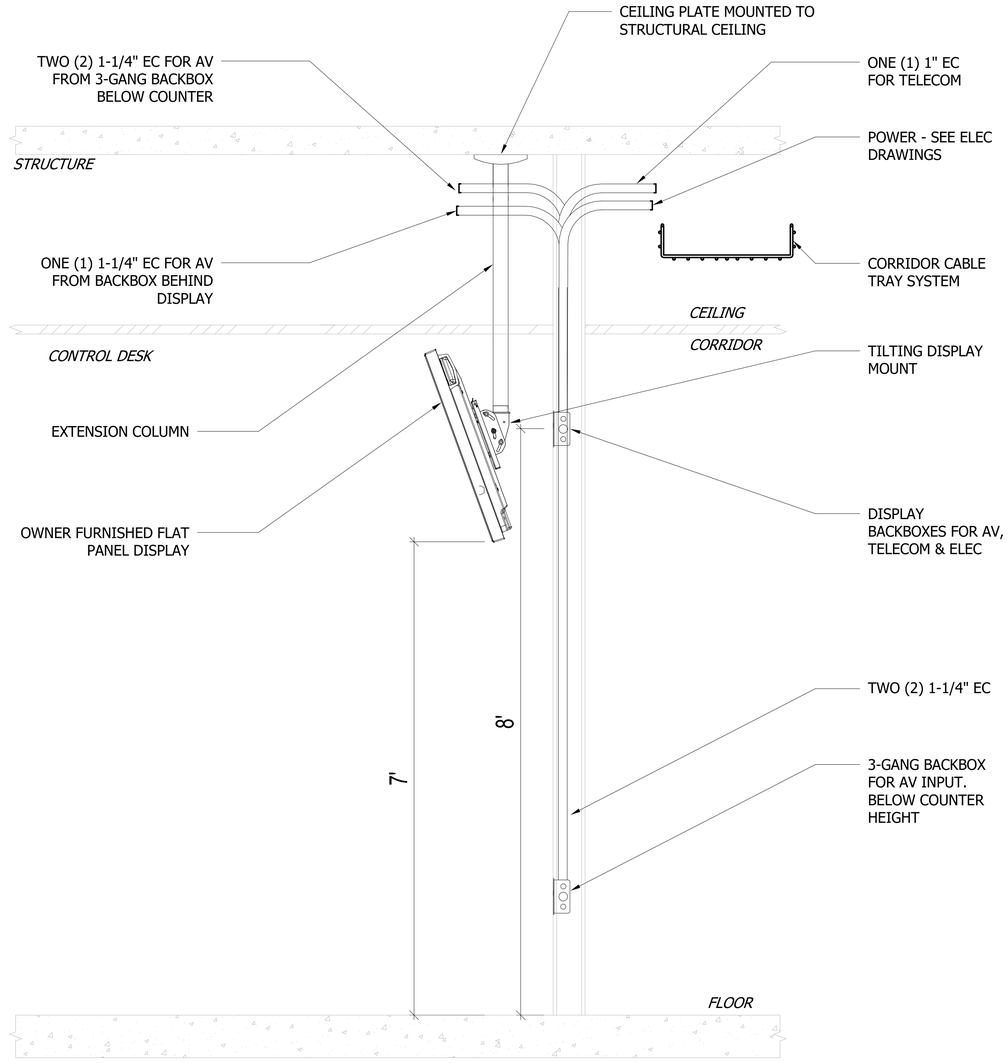


1 WAP IN ACCESSBLE CEILING TILE INFRASTRUCTURE DETAIL
3" = 1'-0"



2 CEILING RECESSED LOUDSPEAKER IN ACT INFRASTRUCTURE DETAIL
3" = 1'-0"

3 EXTERIOR WALL MOUNTED WAP INFRASTRUCTURE DETAILS
3" = 1'-0"



4 TYPICAL CEILING MOUNTED DISPLAY INFRASTRUCTURE DETAILS
3" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD — DATE 06/19/2025

PROFESSIONAL CERTIFICATION

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ARCHITECT: _____ DGN BY: BW

AS-BUILT PER RECORD PRINT BY: DATE: DWN BY: JM CHKD BY: BH

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	GSW	14SW19
		14SW20

DRAWING SCALE: PLAN SCALE: 3" = 1'-0" PROFILE SCALE: _____

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

LOW VOLTAGE SYSTEM INFRASTRUCTURE DETAILS (3 OF 3)

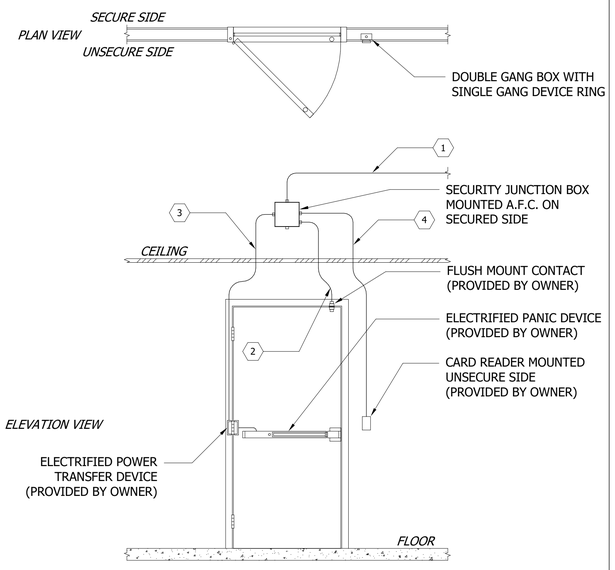
NEW BUILDING DESIGN

SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

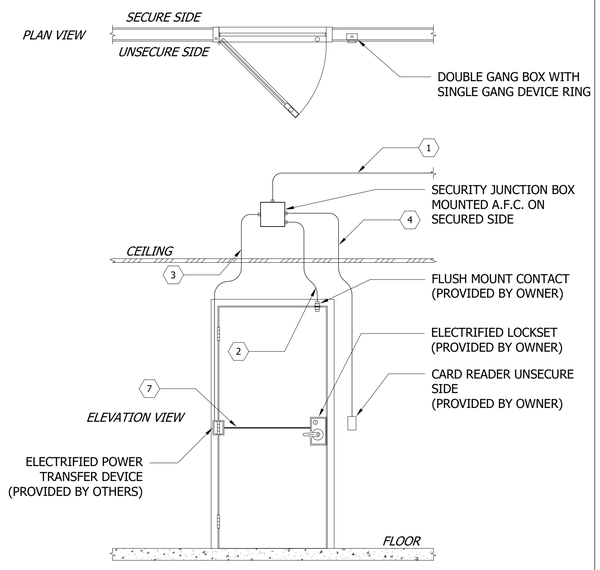
ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA502	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 296 OF 302	
DRAWING NUMBER	2024-1609
FILE NO.: 8	REV. 01.02



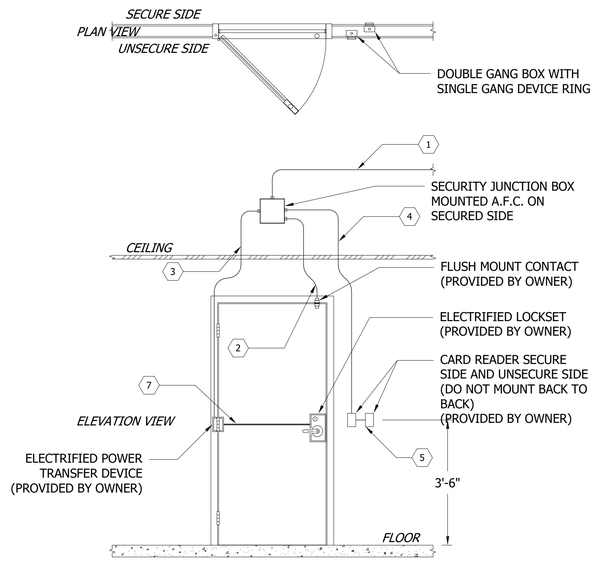
D-1 DOOR TYPE D-1

Scale: NTS



D-2 DOOR TYPE D-2

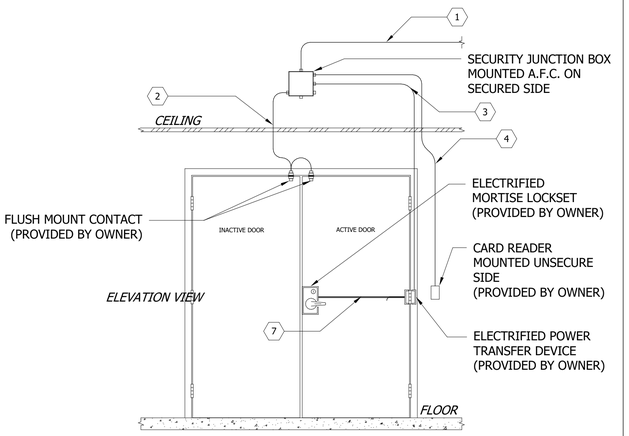
Scale: NTS



D-3 DOOR TYPE D-3

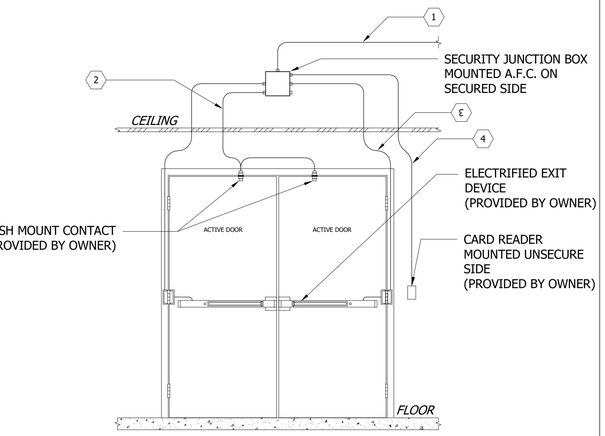
Scale: NTS

1/2"=1'-0"



D-4 DOOR TYPE D4

Scale: NTS



D-5 DOOR TYPE D-5

Scale: NTS

KEY LEGEND

1 = ONE (1) 1" EC FROM SECURITY JUNCTION BOX TO ACCESS CONTROL PANEL.

2 = ONE (1) 3/4" EC FROM SECURITY JUNCTION BOX TO DOOR CONTACT MOUNT LOCATION.

3 = ONE (1) 3/4" EC FROM SECURITY JUNCTION BOX STUBBED BEHIND DOOR FRAME TO ELECTRIFIED POWER TRANSFER DEVICE.

4 = DOUBLE GANG BOX WITH SINGLE GANG DEVICE RING MOUNTED 42" A.F.F. WITH ONE (1) 3/4" TO SECURITY JUNCTION BOX.

5 = DOUBLE GANG BOX WITH SINGLE GANG DEVICE RING MOUNTED 42" A.F.F. WITH ONE (1) 3/4" TO ADJACENT DOUBLE GANG BOX.

6 = AUTOMATIC DOOR OPERATOR (PROVIDED BY OTHERS).

7 = ONE (1) 3/8" CORE DRILL THROUGH DOOR TO LOCKSET. (PROVIDED BY OWNER).

1 ELECTRONIC ACCESS CONTROL DOOR DETAILS
1/2" = 1'-0"

File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____, EXPIRATION DATE _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: BW
DRN BY: JM
CHKD BY: BH

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.
CONTRACT COMPLETION BOX			R.O.W NO.

KEY SHEET	POSITION SHT
GSW	14SW19
	14SW20

DRAWING SCALE

PLAN SCALE: 1/2" = 1'-0"

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRONIC ACCESS CONTROL DOORS

NEW BUILDING DESIGN

901 Walker Ave Catonsville, Maryland, 21228

SUBDIVISION: WILKENS

ELECTION DIST. NO.: 01C1

SHEET DESIGNATION	CONTRACT NUMBER
TA510	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 297 OF 302	
DRAWING NUMBER	2024-1610
FILE NO.: 8	REV. 05/25

ELECTRONIC ACCESS CONTROL DOOR SCHEDULE								
Door Number	Door Type	Single/Double	Telecom Room	Video Intercom	Door Contact	Door Contact (2nd Leaf)	Card Reader (Secure Side)	Card Reader (Unsecure Side)
001	D-5	Double	IT 119	No	Yes	Yes	No	Yes
002B	D-2	Single	IT 119	No	Yes	No	No	Yes
003	D-5	Double	IT 119	No	Yes	Yes	No	Yes
004	D-1	Single	IT 119	No	Yes	No	No	Yes
005	D-3	Single	IT 119	No	Yes	No	Yes	Yes
006	D-3	Single	IT 119	No	Yes	No	Yes	Yes
008	D-1	Single	IT 223	No	Yes	No	No	Yes
100A	D-5	Double	IT 119	No	Yes	Yes	No	Yes
100B	D-2	Single	IT 119	No	Yes	No	No	Yes
115	D-2	Single	IT 119	No	Yes	No	No	Yes
118	D-4	Double	IT 119	No	Yes	Yes	No	Yes
119	D-2	Single	IT 119	No	Yes	No	No	Yes
121A	D-2	Single	IT 119	No	Yes	No	No	Yes
121B	D-2	Single	IT 119	No	Yes	No	No	Yes
123A	D-3	Single	IT 119	No	Yes	No	No	Yes
123B	D-2	Single	IT 119	No	Yes	No	No	Yes
124A	D-3	Single	IT 119	No	Yes	No	No	Yes
124B	D-2	Single	IT 119	No	Yes	No	No	Yes
134	D-3	Single	IT 119	No	Yes	No	No	Yes
135A	D-2	Single	IT 119	Yes	Yes	No	No	Yes
137A	D-3	Single	IT 119	No	Yes	No	Yes	Yes
140A	D-2	Single	IT 119	Yes	Yes	No	No	Yes
142	D-3	Single	IT 119	No	Yes	No	No	Yes
143	D-3	Single	IT 119	No	Yes	No	No	Yes
149	D-2	Single	IT 119	No	Yes	No	No	Yes
150C	D-3	Single	IT 119	Yes	Yes	No	Yes	Yes
150D	D-3	Single	IT 119	Yes	Yes	No	Yes	Yes
223	D-2	Single	IT 223	No	Yes	No	No	Yes
S01B	D-1	Single	IT 119	No	Yes	No	No	Yes
Grand total: 29								

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-26 — RCDD — 01-27-004

DATE: 06/19/2025

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. _____, EXPIRATION DATE: _____

ARCHITECT: _____

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DGN BY: BW

DWN BY: JM

CHKD BY: BH

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W. NO. | GSW | 14SW19 | 14SW20

DRAWING SCALE

PLAN SCALE: _____

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

WILKENS POLICE PRECINCT - 01

ELECTRONIC ACCESS CONTROL DOORS SCHEDULE

NEW BUILDING DESIGN

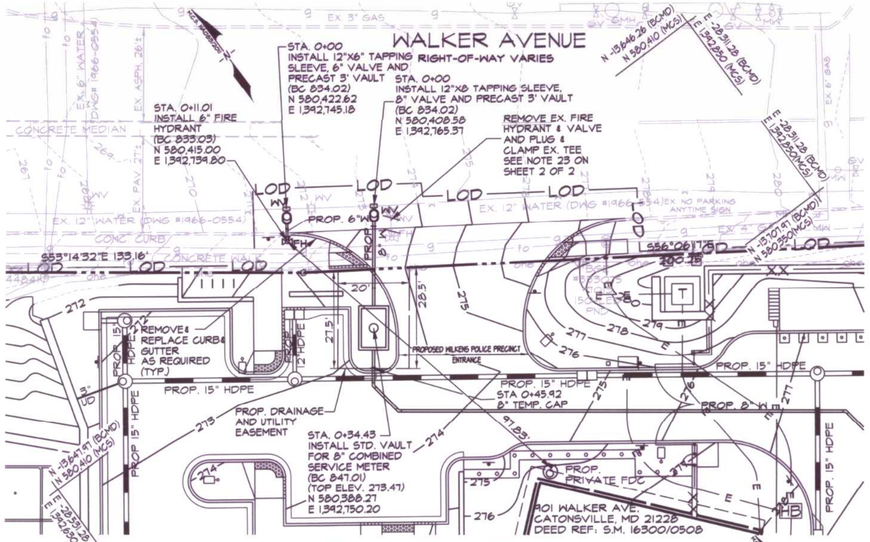
SUBDIVISION: WILKENS

901 Walker Ave Catonsville, Maryland, 21228

ELECTION DIST. NO.: 01C1

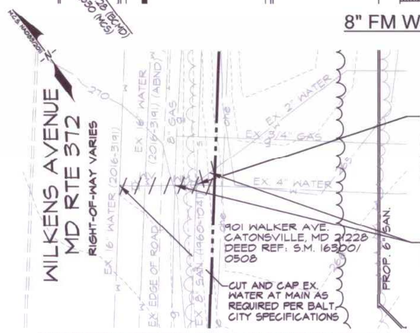
BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
TA511	24111 PPO
JOB ORDER NUMBER	300200006
SHEET 298 OF 302	
DRAWING NUMBER	2024-1611
FILE NO.: 8	REV. 07-22



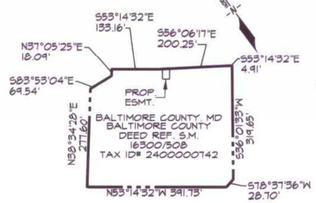
8" FM WATER METER PLAN

SCALE: 1" = 20'



WATER METER ABANDOMENT PLAN

SCALE: 1" = 20'

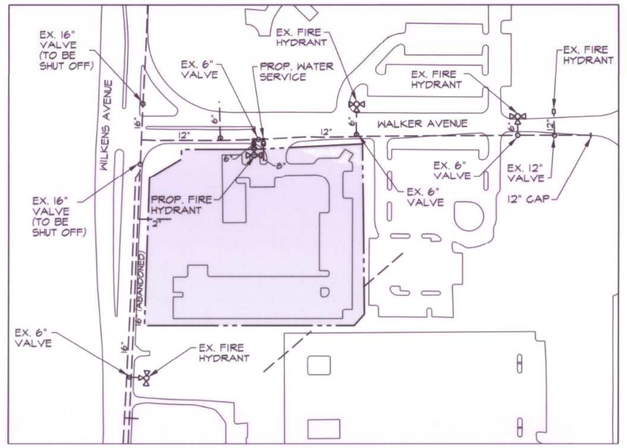


PROPERTY BOUNDARY

SCALE: 1"=200'

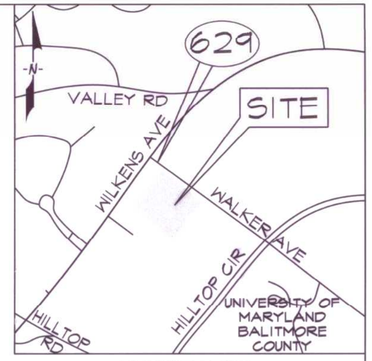
LEGEND

- PROPERTY LINE
- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- EX. CONCRETE CURB
- EX. ELECTRIC UNDERGROUND
- EX. OVERHEAD ELECTRIC
- EX. TRANSFORMER, POWER POLE, LIGHT POLE
- EX. FIBER OPTIC
- EX. GAS
- EX. STORM DRAIN
- EX. SANITARY SEWER
- EX. WATER
- EX. WATER ABANDONED
- EX. FIRE HYDRANT, VALVE & METER
- EX. MANHOLE, INLET, CLEANOUT
- EX. SIGN
- EX. FENCE
- EX. WATER FEATURES TO BE REMOVED
- PROP. WATER
- PROP. FIRE HYDRANT, TAPPING SLEEVE & WATER VALVE
- PROP. WATER VAULT
- PROP. UTILITY EASEMENT
- PROP. STORM DRAIN
- PROP. INLET, MANHOLE
- PROP. SANITARY



SHUT-OFF DIAGRAM

NOT TO SCALE



VICINITY MAP

SCALE: 1"=500'

CONTROL/BENCHMARK DATA

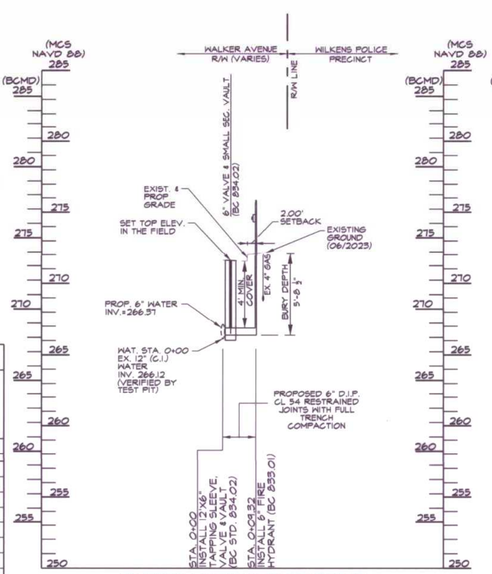
1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.999987699.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TRAVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580,553.642 E: 1,342,605.427

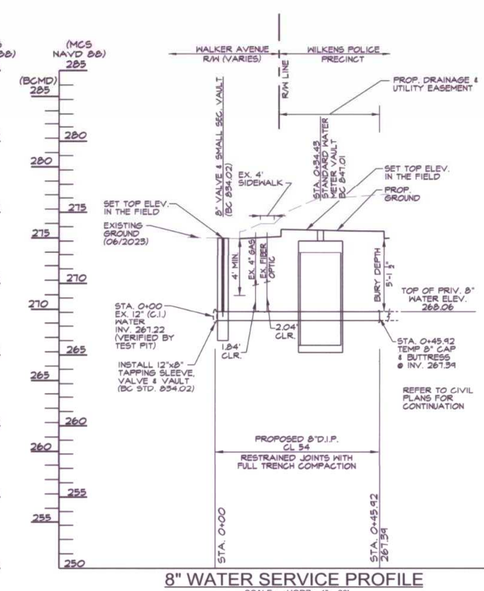
DRAINAGE AND UTILITY EASEMENT

BEARING	DISTANCE
S56°45'28.26"W	27.50'
S53°14'31.74"E	20.00'
N36°45'28.26"E	28.50'
S56°06'16.74"E	20.05'



6" FIRE HYDRANT PROFILE

SCALE: HORZ.: 1" = 20'
VERT.: 1" = 5'



8" WATER SERVICE PROFILE

SCALE: HORZ.: 1" = 20'
VERT.: 1" = 5'

BILL OF MATERIALS

QUANTITY	DESCRIPTION	SIZE
46 L.F.	DIP (CL 54) WITH RESTRAINED JOINTS	8"
1	FM METER	8"
1	VAULT (BC. STD. 847.01) * COMPLETE IN PLACE	LARGE
1	TAPPING SLEEVE, VALVE & VAULT (BC. STD. 834.02)	12" X 8"
1	TEMPORARY CAP (BC. STD. 861.01) & BUTTRESS	8"
1	ABANDON 2" WATER SERVICE	2"
1	ABANDON 4" WATER SERVICE	4"
10 L.F.	DIP (CL 54) WITH RESTRAINED JOINTS	6"
1	TAPPING SLEEVE, VALVE & VAULT (BC. STD. 834.02)	12" X 6"
1	FIRE HYDRANT (BC. STD. 833.03) WITH 5'-5 ½" BURY DEPTH	6"
1	REMOVE EX. HYDRANT & VALVE & PLUG	6"

* SHALL BE BID LUMP SUMP INCLUDING 8" FM METER AND ALL PIPING APPURTENANCES WITHIN VAULT, COMPLETE IN PLACE

DEDICATION TABLE

THE FOLLOWING RIGHTS OF WAY ARE TO BE CONVEYED TO BALTIMORE COUNTY BY THE DEVELOPER/OWNER OF THIS PROPERTY AS A CONDITION OF APPROVAL OF THESE PLANS. DATA ENTERED INTO THE TABLE INDICATES PERTINENT INFORMATION INCLUDED ON THE PLANS. WHERE THE TABLE IS BLANK, DATA IS NOT APPLICABLE AND NO DEDICATION IS REQUIRED.

TYPE OF CONVEYANCE	NO.	TOTAL AREA* (AC.)
ACCESS EASEMENT		
DRAINAGE AND UTILITY EASEMENT	1	560 S.F. OR 0.0129 AC.
HIGHWAY WIDENING		
HIGHWAY EASEMENT		
REVERTIBLE SLOPE EASEMENT		
HIGHWAY RIGHT-OF-WAY		
SIGHTLINE EASEMENT		
TURNAROUND EASEMENT		

* THE FOLLOWING RIGHTS OF WAY ARE TO BE CONVEYED TO BALTIMORE COUNTY BY THE DEVELOPER/OWNER OF THIS PROPERTY AS A CONDITION OF APPROVAL OF THESE PLANS.
* AREAS SHOWN IN THIS TABLE ARE APPROXIMATE. REFER TO THE RECORD PLAT OR RIGHT OF WAY DRAWINGS FOR EXACT AREAS.

NOTES

1. CONTRACTOR TO TEST PIT AND VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER AND BALTIMORE COUNTY IF THE CLEARANCES WITH THE UTILITIES SHOWN CANNOT BE ACHIEVED.
3. THE CONTRACTOR IS REQUIRED TO PROTECT AND MAINTAIN EXISTING STREETLIGHT POLES AND OVERHEAD/UNDERGROUND CONDUIT/CABLES ETC., AND STREET LIGHTING FACILITIES DURING CONSTRUCTION.

WATER CONNECTION TO BE ABANDONED

OWNER	SERV. ADDRESS	ACCOUNT NO.	METER NO.	SERVICE SIZE	METER SIZE
BALTIMORE COUNTY	901 WALKER AVENUE CATONSVILLE, MD 21228	09408644004	60962679	2"	1.5"
BALTIMORE COUNTY	901 WALKER AVENUE CATONSVILLE, MD 21228	05408643004	4867524	4"	4"

GENERAL NOTES

1. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
2. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY, TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN, PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EMERGENCY MANAGEMENT NOTES

1. DPW INSPECTORS WILL NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE DUTY OFFICER (ADO) OF ANY PLANNED WATER OUTAGE. (CONTACT: FIRE ADO OR CALL AT 410-307-2052)
2. DPW INSPECTORS WILL NOTIFY BALTIMORE CITY'S 311 OF ANY PLANNED WATER OUTAGE.
3. FOR OUTAGES AFFECTING MORE THAN 200 SERVICES AND/OR THAT ARE MORE THAN EIGHT(8) HOURS IN DURATION CONTRACTORS WILL NOTE IN THEIR PLANS TO NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE OFFICER (ADO) AND THE OFFICE OF EMERGENCY MANAGEMENT BY E-MAIL AND BY PHONE emergencymanagement@baltimorecounty.gov and 410-887-5996.)

BGE UTILITY NOTES

1. PICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA (BGE UTILITY INFORMATION). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST EMPLOY SAFE DIGGING BEST RACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL NEWS INCLUDING BUT NOT LIMITED TO, THE "MISS UTILITY LAW."
2. REPRESENTATIONS, GUARANTEES, OR HARRANTIES, EXPRESS OR IMPLIED ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THE DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.

ENGINEER

MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE, MD 21230
ATTN: RYAN PIKE, P.E.
PHONE: (667) 309-6193
EMAIL: RPIKE@MKCENG.COM

OWNER/DEVELOPER

BALTIMORE COUNTY- PROPERTY MANAGEMENT
OFFICE OF BUDGET & FINANCE
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410) 887-7912

REFERENCE DRAWINGS

6" WATER - WALKER AVE. DWG #1966-0554
12" WATER - WALKER AVE. DWG #1966-0554
16" WATER - WILKENS AVENUE. DWG. #2016-3191
8" SANITARY - WILKENS AVE. DWG. #1960-1041
ROAD - WILKENS AVENUE DWG. MSA 51624-15999
ROAD - WALKER AVENUE - DWG. #1966-565
ROAD - WALKER AVENUE - DWG. #2024-2100,#2024-2101

LOWEST ELEV. TOP OF MAIN:	268.22
NORMAL OPERATING PRESSURE:	157 P.S.I.
TEST PRESSURE:	235 P.S.I.
WATER ZONE:	4TH
200 SCALE GRID:	101-B3
CITY PLAT NUMBER:	4T

RIGHT OF WAY CERTIFICATION

"IN MY PROFESSIONAL OPINION, THIS PLAN IS SEALED AND CERTIFIED THAT THE RIGHT(S) OF WAY AND EASEMENT(S) SHOWN HEREON CONFORM IN ALL MATERIAL RESPECTS TO THE RIGHT(S) OF WAY AND EASEMENT(S) SHOWN IN THE RECORDED DEED OF THE BALTIMORE COUNTY CIRCUIT COURT LAND RECORDS SM BOOK 16300 PAGE 334 ALSO KNOWN AS MSA CE 62-16155 AND BALTIMORE COUNTY LAND AQUISITION NUMBER SP 01-220-IB."

GRAPHIC SCALES

20 0 10 20 40
HORZ. 1 inch = 20 ft.
5 0 5 10
VERT. 1 inch = 5 ft.

MCS

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL (Pressure Only)	

DWG. FILENAME:

SMG

CITY OF BALTIMORE

CHIEF, UTILITIES ENGINEERING SECTION — DATE 2/12/25

CHIEF, OFFICE OF ENGINEERING AND CONSTRUCTION — DATE 2/12/25

REVISION – CITY OF BALTIMORE

DIRECTOR, DEPT. OF PUBLIC WORKS — Steve Sharkey — DATE 2/13/25

CHIEF, UTILITIES ENGINEERING SECTION — DATE

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 , EXPIRATION DATE 06/07/2025

ENGINEER: RYAN JAMES PIKE — DESIGN BY: RJP
MK CONSULTING ENGINEERS, LLC — DRAWN BY: AP
AS-BUILT PER RECORD PRINT — CHKD BY: PC
BY: DATE:
DATE: 12/9/24

AS-BUILT / REVISION

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		N/A	GSW	14SW19 14SW20
		R.O.W NO.		

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
REVIEWED BY:				12-20-24	EM
DATE REVIEWED:					12/23/24

DRAWING SCALE
PLAN SCALE: AS SHOWN
PROFILE SCALE: HOR. 1"=20' VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS
APPROVED BY: DIRECTOR
DATE: 12/24/2024

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION

WILKENS POLICE PRECINCT PUBLIC IMPROVEMENT PLANS

8" FM METER, 6" FIRE HYDRANT, AND 2" & 4" DOMESTIC METER ABANDONMENT

200' SOUTHEAST OF WILKENS AVENUE (MD RTE. 372)

SUBDIVISION: WILKENS POLICE PRECINCT, 901 WALKER AVE. — ELECTION DISTRICT NO. 01C1 — COUNCILMANIC DISTRICT NO. 1

SHEET DESIGNATION	CONTRACT NUMBER
WATER	24126-UAO
JOB ORDER NUMBER	210-203-7651
SHEET 1 OF 2	
DRAWING NUMBER	2024-2098
FILE NO.: 3	

BALTIMORE COUNTY MARYLAND

12/20/24

12/9/2024 G:\2022-2\2017- 300 - Wilkens Police Precinct\Drawings\C11.01 - Public Water Plan & Profile.dgn

WATER CONSTRUCTION STANDARD NOTES

1. THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION UNDER THIS CONTRACT, AND AS SHOWN ON THE APPROVED SEDIMENT CONTROL PLAN AS PART OF THE CONTRACT DOCUMENTS. AT THE END OF EACH DAY, ALL SUCH DISTURBED DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE. THE COST OF PERFORMING THE WORK, INCLUDING MATERIALS, SHALL BE PAID FOR BY A LUMP SUM BID FOR MAINTENANCE AND REPAIR OF SEDIMENT CONTROL DEVICES.

2. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PERMIT NUMBER 164 - COUNTY - 23.

3. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (FEBRUARY 2000, AS AMENDED) AND BALTIMORE COUNTY STANDARD DETAILS WHERE NOTED.

4. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT (800) 257-7777 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION.

5. THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.

6. THE CONTRACTOR SHALL USE EXTREME CAUTION DURING EXCAVATION AND/OR INSTALLATION OF ALL WORK SHOWN ON THESE PLANS. ALL UTILITIES SHALL BE FULLY PROTECTED FROM DAMAGE OR INTERRUPTION.

7. WHERE TWO (2) FEET OF CLEARANCE CANNOT BE OBTAINED BETWEEN PIPES AND STRUCTURES, SAND BACKFILL SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN THE FIELD.

8. UNLESS OTHERWISE NOTED, THE BID LINE FOR EXCAVATION SHALL BE SUB-GRADE UNDER PROPOSED ROADS, ESTABLISHED GRADE UNDER TURF AREAS, AND EXISTING GRADE ALONG EXISTING PAVEMENT.

9. FULL TRENCH COMPACTION IS REQUIRED FOR A MINIMUM DISTANCE OF 20 FEET ON EACH SIDE OF ALL CROSSINGS, WITHIN ALL EXISTING ROAD RIGHTS-OF-WAY, AND WHERE SHOWN ON THE PLANS.

10. THE DEVELOPER SHALL ACCOMPLISH ALL GRADING WITHIN EASEMENT AREAS WHERE UTILITIES ARE TO BE INSTALLED BEFORE THE NOTICE TO PROCEED WILL BE ISSUED.

11. ONLY BALTIMORE CITY PERSONNEL SHALL OPERATE EXISTING VALVES OR NEW VALVES AFTER THEY ARE PLACED IN SERVICE. THE CONTRACTOR SHALL NOTIFY THE BALTIMORE COUNTY INSPECTOR TO ARRANGE A SHUTDOWN WITH THE COUNTY AT LEAST TEN (10) DAYS PRIOR TO THE PROPOSED SHUTDOWN. IF THE INSPECTOR IN THE FIELD IS UNAVAILABLE, CALL THE BALTIMORE COUNTY AREA ENGINEER AT (410) 887-3531.

12. MAIN IS TO HAVE FOUR (4) FEET OF COVER BASED ON THE ESTABLISHED GRADE UNLESS OTHERWISE NOTED.

13. FIRE HYDRANTS SHALL BE PLACED TWO (2) FEET BEHIND THE FACE OF STANDARD CURB, THREE (3) FEET FOUR (4) INCHES BEHIND THE FACE OF MOUNTABLE CURB.

14. THE CONTRACTOR FOR THE MAIN EXTENSION AND/OR METER INSTALLATION SHALL NOTIFY BALTIMORE CITY, BUREAU OF WATER AND WASTEWATER, (410) 396-1663, 72 HOURS BEFORE STARTING WORK.

15. THE CONTRACTOR SHALL DISCHARGE THE CHLORINATED FLUSH WATER INTO A SANITARY SEWER. CONTACT THE BALTIMORE CITY DPW SEWER SECTION AT (410)-887-3701 FOR DISCHARGE RATE.

16. FEDERAL REGULATION REQUIRES DOCUMENTATION OF ANY DISCHARGE FROM THE SANITARY SEWER COLLECTION SYSTEM AND THE CAUSE OF THE DISCHARGE. TO MEET THESE REQUIREMENTS, THE DATE, RATE AND DURATION OF THE CHLORINATED WATER DISCHARGE SHALL BE DOCUMENTED BY THE CONTRACTOR AND/OR INSPECTOR. DOCUMENTATION WILL BE SUBMITTED TO THE SEWER DESIGN SECTION FOLLOWING THE COMPLETION OF ALL CHLORINATED WATER DISCHARGES.

17. ALL DISCHARGES WILL BE RESTRICTED TO DRY WEATHER AND NOT LESS THAN 24 HOURS AFTER ANY RAIN EVENT.

18. ONE (1) BUSINESS DAY PRIOR TO DISCHARGE OF ANY CHLORINATED WATER TO THE SANITARY SEWER, THE CONTRACTOR SHALL NOTIFY THE SEWER DESIGN SECTION AT 410-887-3761 AND THE BUREAU OF UTILITIES AT 410-887-7413 OF THE EXACT LOCATION OF THE PLANNED DISCHARGE. THIS WILL ALLOW THE REMOVAL, AT THEIR DISCRETION, OF ANY FLOW MONITORING EQUIPMENT LOCATED WITHIN THE SANITARY SEWER SYSTEM AND GIVE NOTICE IN THE EVENT OF ANY SEWER BACKUPS OR OVERFLOWS CAUSED BY SUCH DISCHARGES.

19. WHEN 1-1/2" OR LARGER WATER METERS ARE INVOLVED:

    A. THE METER SHALL BE SUPPLIED BY THE BALTIMORE CITY DEPARTMENT OF PUBLIC WORKS. THE METER FEE MUST BE PREPAID AT THE BALTIMORE COUNTY, DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS PRIOR TO METER PICK-UP. CALL 410-396-0170 FOR METER PICK-UP. DELIVERY AND INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE OWNER SHALL PAY THE COST OF THE METER.

    B. FOR FM METERS, THE SERVICE LEAD SHALL BE STRAIGHT AND LEVEL FOR A HORIZONTAL DISTANCE OF EIGHT (8) TIMES THE PIPE DIAMETER ON THE INLET SIDE OF THE METER AND WITH A COVER OF 5.8' MINIMUM AND 6.3' MAXIMUM.

    C. RESTRAINED JOINTS SHALL BE RETAINER GLANDS OR MEGALUG OR APPROVED EQUAL (FOR METER SERVICES, HYDRANT LEADS AND MAIN RELOCATIONS).

    D. THE COMPLETED METER INSTALLATION SHALL BE INSPECTED BY BALTIMORE CITY, BUREAU OF WATER AND WASTEWATER, CONSTRUCTION MANAGEMENT. CALL NICK GIANFERANO AT 443-765-4421, 48 HOURS PRIOR TO TOP SLAB PLACEMENT.

    E. THE METER VAULT SHALL CONFORM TO BALTIMORE CITY STANDARD DETAIL BC - 847.01

    F. THE SERVICE LEAD SHALL BE FLUSHED PRIOR TO METER INSTALLATION.

20. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF THE EXISTING MAIN BEFORE LAYING ANY PIPE.

21. WATER SERVICE METERS SHALL NOT BE PERMITTED TO BE INSTALLED IN EITHER ROADWAYS OR DRIVEWAYS.

22. FOR SERVICE ABANDONMENT, PLUG SMALL SERVICES TWO INCHES (2") OR LESS AT THE CORPORATION ON THE MAIN. FOR LARGE SERVICES, REMOVE THE TEE FROM THE MAIN AND INSTALL A SLEEVE AND SPACER. METERS SHALL BE RETURNED TO THE METER SHOP AT 200 N. FRANKLINTOWN ROAD.

23. FOR ABANDONMENT OF FIRE HYDRANTS, VALVES, MAINS, STUBS, ETC., REMOVE THE TEE FROM THE MAIN AND INSTALL A SLEEVE AND SPACER. ALL FIRE HYDRANTS AND VALVES SHALL BE REMOVED AND RETURNED TO THE UTILITY MAINTENANCE YARD LOCATED AT 2947 WASHINGTON BOULEVARD.

24. THE CONTRACTOR SHALL NOTIFY THE METER SHOP, (410) 396-0170, AT LEAST ONE (1) WEEK PRIOR TO PICK-UP OF THE METER(S).

25. METERS DESIGNATED TO A SPECIFIC LOCATION OR ADDRESS SHALL NOT BE RELOCATED WITHOUT PERMISSION FROM BALTIMORE CITY, BUREAU OF WATER AND WASTEWATER.

26. WHENEVER MORE THAN ONE SERVICE IS INSTALLED TO ANY PROPERTY OR BUILDING, CHECK VALVES (BACKFLOW PREVENTERS) MUST BE INSTALLED ON ALL THE SERVICES, BOTH EXISTING AND PROPOSED. THESE MUST BE SHOWN ON THE DRAWING AND WILL BE VISUALLY VERIFIED BY THE UTILITY MAINTENANCE DIVISION INSPECTOR PRIOR TO TURNING ON THE NEW SERVICES. SERVICE WITHOUT PROPER CHECK VALVES WILL NOT BE TURNED ON.

27. CONTRACTOR SHALL ENSURE THAT EXISTING VALVES ARE TIED BACK (ABANDONMENT) BEFORE REMOVING ANY PART OF THE EXISTING WATER LINE OR BUTTRESSES.

28. DUCTILE IRON PIPE:
    6" CLASS 54 THICKNESS 0.37"
    8" CLASS 54 THICKNESS 0.39"
    12" CLASS 54 THICKNESS 0.43"
    (AWWA C150/A21.50 /TABLE 15 OR LATEST)

29. DUCTILE IRON FITTINGS SHALL MEET LATEST AWWA C110/A21.10 AND C153/A21.53 (PRESSURE RATING SHALL BE 350 PSI).

30. ALL TOPS OF ALL NEW MANHOLES, INLETS AND VALVES LOCATED WITHIN EXISTING ROAD MATERIAL SHALL BE BUILT TO EXISTING GRADE ELEVATIONS UNDER THIS CONTRACT.

31. EXISTING CURB AND GUTTER AND/OR SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT AND BE REPLACED AS REQUIRED WITH EQUAL OR BETTER MATERIALS, AS DIRECTED BY THE ENGINEER IN THE FIELD.

32. TRENCH REPAIR SHALL BE AS PER STANDARD DETAIL R-38. RESURFACING BEYOND THE TRENCH MAY BE REQUIRED, AT THE DISCRETION OF THE FIELD ENGINEER.

33. THE CONTRACTOR SHALL INSTALL NON-DETECTABLE TAPE ON ALL RESTRAINED JOINT PIPE AND MARK THE RESTRAINED JOINTS MEETING THE FOLLOWING SPECIFICATIONS:

    1. MATERIAL: NON-DETECTABLE TYPE, LOW DENSITY, VIRGIN GRADE POLYETHYLENE, ACID AND ALKALI RESISTANT; MINIMUM WETTING TENSION: 35 DYNES/CM, ASTM D2578.

    2. PRINTING: TWO LINES WITH MINIMUM 1 INCH HEIGHT LETTERS WITH "NO-DIG" SYMBOL FOLLOWING EACH CYCLE OF TEXT.
    A. FOLLOWING REPEATED EVERY 20 TO 24 INCHES: CAUTION-RESTRAINED JOINT PIPE CALL DPW @410-396-1870

    B. COLORS:
        i. TAPE: APWA RED.
        ii. LETTERING: PERMANENT BLACK.

    C. ACCEPTABLE MANUFACTURERS:
        i. EMPIRE LEVEL MANUFACTURING CORPORATION, UTILITY PRODUCTS DIVISION, SHIELDED UNDERGROUND WARNING TAPE.

        ii. BLACKBURN MANUFACTURING CO., INC., NON-DETECTABLE UNDERGROUND UTILITY WARNING TAPE.

        iii. REEF INDUSTRIES, INC. TERRA TAPE STANDARD NON-DETECTABLE.

        iv. MUTUAL INDUSTRIES, NON-DETECTABLE UNDERGROUND MARKING TAPE.

        v. PRO-LINE SAFETY PRODUCTS (A DIVISION OF PRO-PAK IND., INC.) STANDARD NON-DETECTABLE

        vi. OR EQUAL.

34. RESTRAINED JOINTS:
    1. MARK RESTRAINED JOINTS AT CROWN WITH 2-FOOT LONG BY 4-INCH WIDE ORANGE PAINT STRIPE PERPENDICULAR TO AND CENTERED ON JOINT.

    2. INSTALL RESTRAINED JOINTS ON PIPE FOLLOWING BALTIMORE CITY STANDARD DETAILS AND MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
    A. PLACE "RESTRAINED JOINT PIPE" TAPE DIRECTLY ON TOP OF THE PIPE WITH RESTRAINED JOINTS BEFORE BACKFILL OPERATIONS HAVE REACHED TOP OF PIPE. TAPE SHALL BE PROPERLY SECURED TO THE MAIN, AND RUN ALONG COMPLETE LENGTH OF THE RESTRAINED SEGMENT(S), EXTENDING A MINIMUM OF 12-INCHES ON EITHER SIDE.

    B. SECURE "RESTRAINED JOINT PIPE" TAPE TO TOP OF PIPE EVERY 4 FEET ALONG THE PIPE, AND ON EACH SIDE OF THE FITTING, WRAPPING FULL CIRCUMFERENCE OF PIPE.

    C. CONTINUE BACKFILL OPERATIONS FOLLOWING SPECIFICATIONS AND AVOID DISPLACEMENT OF WARNING TAPE.

35. PRESSURE REDUCING VALVE IF NEEDED, IS REQUIRED TO BE INSTALLED ON THE CUSTOMER SIDE OF THE WATER MAIN SERVICE.

36. ALL CONSTRUCTION WITHIN WILKENS AVENUE (MD RTE 372) RIGHT-OF-WAY TO BE IN ACCORDANCE WITH STATE HIGHWAY ADMINISTRATION PERMIT NUMBER _____. ALL TRENCH REPAIR SHALL BE PER THE SHA PERMIT.

REFERENCE DRAWINGS

8" WATER - WALKER AVE. DWG #1966-0554
12" WATER - WALKER AVE. DWG. #1966-0554
16" WATER - WILKENS AVENUE. DWG. #2016-3191
8" SANITARY - WILKENS AVE. DWG. #1960-1041
ROAD - WILKENS AVENUE DWG. MSA 514624-15999
ROAD - WALKER AVENUE - DWG. #1966-565
ROAD - WALKER AVENUE - DWG. #2024-2100,#2024-2101

ENGINEER

MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE, MD 21230
ATTN: RYAN PIKE, P.E.
PHONE: (667) 309-6193
EMAIL: RPIKE@MKGENS.COM

OWNER/DEVELOPER

BALTIMORE COUNTY- PROPERTY MANAGEMENT
OFFICE OF BUDGET & FINANCE
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410) 887-7412

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL (Pressure Only)	

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
WATER	24126-UAO
	JOB ORDER NUMBER
	210-203-7651
	SHEET 2 OF 2
	DRAWING NUMBER
	2024-2099
	FILE NO.: 3

MCS

SMG

CITY OF BALTIMORE

CHIEF, UTILITIES ENGINEERING SECTION — DATE 2/12/25
CHIEF, OFFICE OF ENGINEERING AND CONSTRUCTION — DATE 2/12/25
DIRECTOR, DEPT. OF PUBLIC WORKS — Steve Sharkey — DATE 2/13/25

REVISION – CITY OF BALTIMORE

CHIEF, UTILITIES ENGINEERING SECTION — DATE

SEAL

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066, EXPIRATION DATE 06/07/2025

ENGINEER: RYAN JAMES PIKE
MK CONSULTING ENGINEERS, LLC
AS-BUILT PER RECORD PRINT
BY:
DATE: 12/9/24

DESIGN BY: RJP
DRAWN BY: AP
CHKD BY: PC

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT.
N/A		
R.O.W NO.	GSW	14SW19 14SW20

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	HOR. N/A. VERT. N/A

DEPARTMENT OF PUBLIC WORKS
APPROVED BY: Oliver E. Covington, P.E. DIRECTOR
DATE: 12/24/2024

BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	
REVIEWED BY:				12-20-24	EAM	
DATE REVIEWED:				12/23/24		

EAM 12/20/24

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION – BUREAU OF ENGINEERING & CONSTRUCTION

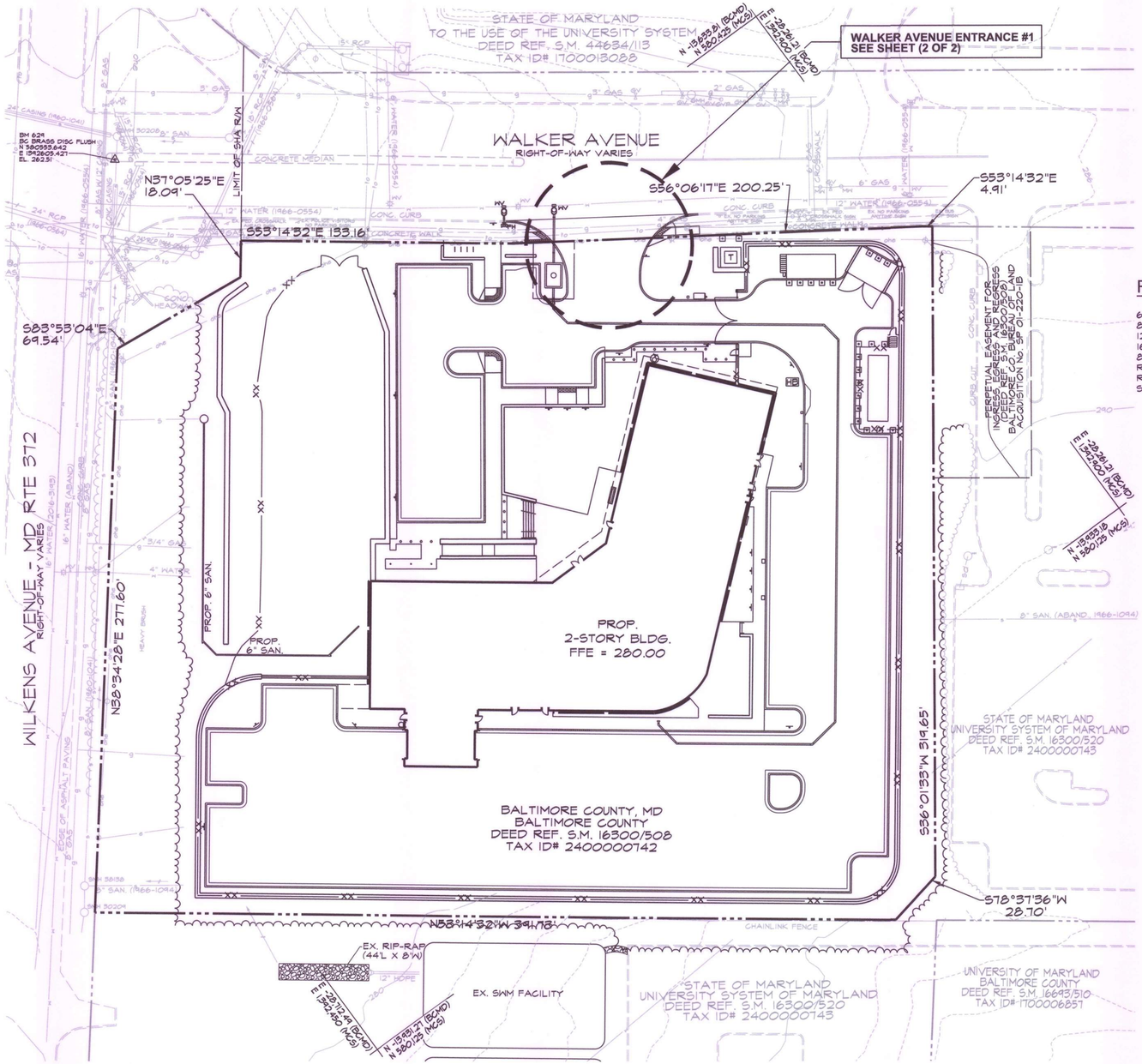
WILKENS POLICE PRECINCT PUBLIC IMPROVEMENT PLANS

8" FM METER, 6" FIRE HYDRANT, AND 2" & 4" DOMESTIC METER ABANDONMENT

200' SOUTHEAST OF WILKENS AVENUE (MD RTE. 372)

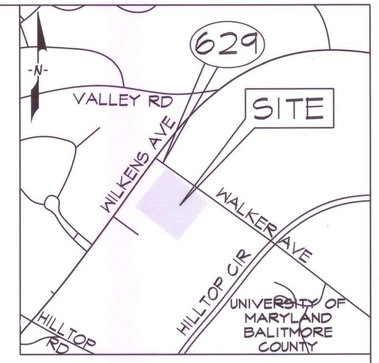
SUBDIVISION: WILKENS POLICE PRECINCT, 901 WALKER AVE. — ELECTION DISTRICT NO. 01C1 — COUNCILMANIC DISTRICT NO. 1

12/9/2024 G:\2022\2207- 300 - Wilkens Police Precinct\Drawings\C1.02 - Public Water Notes.dgn



OVERALL SITE LOCATION PLAN

SCALE: 1" = 30'



VICINITY MAP

SCALE: 1"=500'

REFERENCE DRAWINGS

6" WATER - WALKER AVE. DWG #1966-0554
8" WATER - WALKER AVE. DWG. #2024-2098,#2024-2099
12" WATER - WALKER AVE. DWG. #1966-0554
16" WATER - WILKENS AVENUE, DWG. #2016-3191
8" SANITARY - WILKENS AVE. DWG. #1960-1041
ROAD - WILKENS AVENUE DWG. MSA S1624-15999
ROAD - WALKER AVENUE - DWG. #1966-565
STORM DRAINS - WALKER AVENUE - DWG. #1966-0564

CONTROL/BENCHMARK DATA

1. BEARING AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM NAD83-2011 AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.
2. ELEVATIONS AS SHOWN HEREON WERE BASED ON MARYLAND COORDINATE SYSTEM NAVD-88 VERTICAL DATUM AND THE FOLLOWING BALTIMORE COUNTY TVERSE STATION:

   TR NO.: 629 DESC.: BRASS DISC SET IN MEDIAN AT INTERSECTION OF MD 372 WILKENS AVE AND WALKER AVE. ELEV.: 262.51 FT

   N: 580,553.642 E: 1,342,605.427

NOTES

1. OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS LLC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
2. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY. TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN, PRIOR TO ANY CHANGE BEING MADE. ANY DEVIATION FROM THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ROAD NOTES

1. THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION UNDER THIS CONTRACT, AND AS SHOWN ON THE APPROVED SEDIMENT CONTROL PLAN AS PART OF THE CONTRACT DOCUMENTS. AT THE END OF EACH DAY, ALL SUCH DISTURBED DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE. THE COST OF PERFORMING THE WORK, INCLUDING MATERIALS, SHALL BE PAID FOR BY A LUMP SUM BID FOR MAINTENANCE AND REPAIR OF SEDIMENT CONTROL DEVICES.
2. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PERMIT NUMBER 164 - COUNTY - 23.
3. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (FEBRUARY 2000, AS AMENDED).
4. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT (800) 257-7777 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION.
5. THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
6. THE CONTRACTOR SHALL USE EXTREME CAUTION DURING EXCAVATION AND/OR INSTALLATION OF ALL WORK SHOWN ON THESE PLANS. ALL UTILITIES SHALL BE FULLY PROTECTED FROM DAMAGE OR INTERRUPTION.
7. CURB DEPRESSIONS FOR HANDICAP RAMPS SHALL BE PLACED AT ALL INTERSECTION CURB RETURNS. THE COST SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS BID.
8. RAMPS SHALL BE PROVIDED FOR PHYSICALLY HANDICAPPED PERSONS AT ALL STREET INTERSECTIONS. THE RAMPS SHALL HAVE DETECTABLE WARNING AREAS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADA STANDARDS.
9. ALL PERMANENT STREET SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD). ALL SIGNS SHALL BE INSTALLED AS PER THE LATEST BALTIMORE COUNTY SIGN INSTALLATION MANUAL. FOR A COPY OF THE MANUAL, PLEASE CONTACT THE BUREAU OF TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING AT 410-887-3554.
10. THE PRICE BID FOR PERMANENT STREET SIGNS SHALL INCLUDE THE COSTS FOR FURNISHING AND PLACING OF SIGNS, COMPLETE IN PLACE, AS SHOWN, SPECIFIED OR DIRECTED.
11. CONTRACTOR SHALL ADJUST ALL TOPS OF ALL MANHOLES, INLETS AND VALVES LOCATED WITHIN THE ROADBEDS TO FINAL GRADE.
12. EXISTING CURB AND GUTTER AND/OR SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT AND BE REPLACED AS REQUIRED WITH EQUAL OR BETTER MATERIALS, AS DIRECTED BY THE ENGINEER IN THE FIELD.
13. WHEN WORKING WITHIN 250-FEET OF A BALTIMORE COUNTY TRAFFIC SIGNAL, PLEASE CONTACT MIKE LORENZO AT 410-887-8601 AT LEAST 2 WEEKS PRIOR TO ANY CONSTRUCTION WORK.
14. TRENCH REPAIR SHALL BE AS PER STANDARD DETAIL R-38. RESURFACING BEYOND THE TRENCH MAY BE REQUIRED, AT THE DISCRETION OF THE FIELD ENGINEER.

GRAPHIC SCALE

30 0 15 30 60

(IN FEET) 1 inch = 30 ft.

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL (Pressure Only)	

DWG. FILENAME:

ENGINEER

MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE, MD 21230
ATTN: RYAN PIKE, P.E.
PHONE: (667) 309-6193
EMAIL: RPIKE@MKCENG.COM

OWNER/DEVELOPER

BALTIMORE COUNTY- PROPERTY MANAGEMENT
OFFICE OF BUDGET & FINANCE
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410) 887-7912

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND RYAN J. PIKE 51066 PROFESSIONAL ENGINEER	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51066, EXPIRATION DATE 06/07/2025				N/A	GSW	14SW19 14SW20	PLAN SCALE: 1" = 30'	APPROVED BY: Chad K Edmondson PE DIRECTOR
					R.O.W NO.			PROFILE SCALE: HOR. N/A VERT. N/A	DATE: 12-24-2024
	ENGINEER: RYAN JAMES PIKE	CONTRACT COMPLETION BOX							
	MK CONSULTING ENGINEERS, LLC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
	AS-BUILT PER RECORD PRINT	REVIEWED BY:			WES				
DATE: 12/9/24	BY: DATE:	DATE REVIEWED:			12/23/24	Michael L. Vissman		12-20-24	

DESIGN BY: RJP
DRAWN BY: AP
CHKD BY: PC

HAP 12/20/24

MCS

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION – BUREAU OF ENGINEERING & CONSTRUCTION

WILKENS POLICE PRECINCT PUBLIC IMPROVEMENT PLANS

DRIVEWAY ENTRANCE

200' SOUTHEAST OF WILKENS AVENUE (MD RTE. 372)

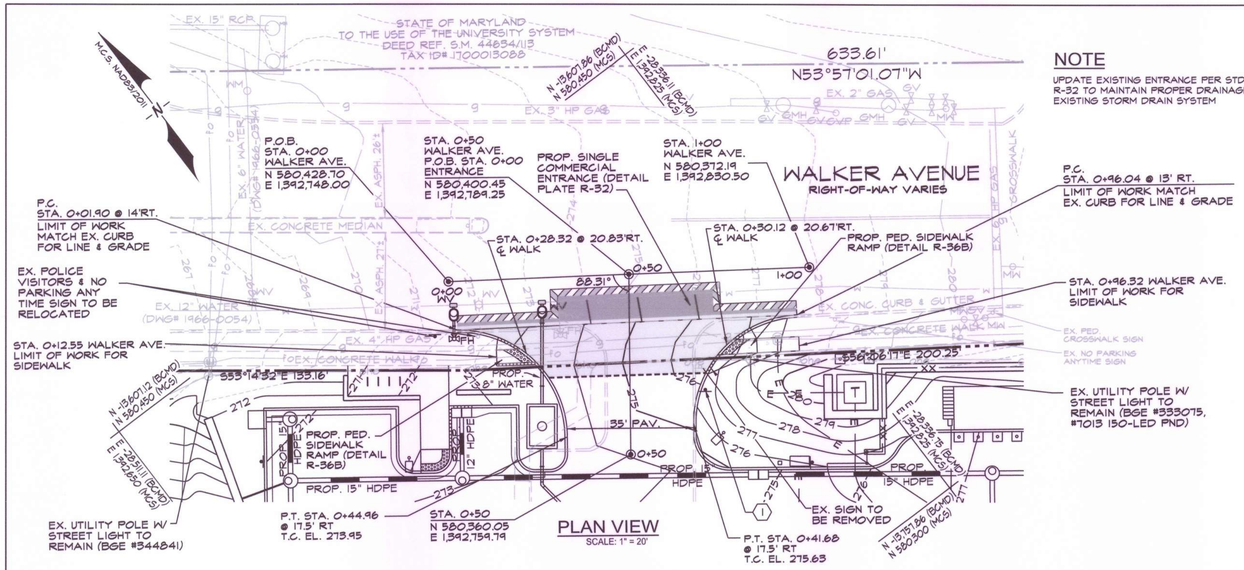
SUBDIVISION: WILKENS POLICE PRECINCT, 901 WALKER AVE. ELECTION DISTRICT NO. 01C1 COUNCILMANIC DISTRICT NO. 1

SHEET DESIGNATION	CONTRACT NUMBER
ROAD	24127-RAO
	JOB ORDER NUMBER
	210-205-7651
	SHEET 1 OF 2
	DRAWING NUMBER
	2024-2100
	FILE NO.: 5

BALTIMORE COUNTY MARYLAND

REV. 01/11

12/9/2024 G:\2022\22017 - 300 - Wilkens Police Precinct\Drawings\C11.00 - Public Plan Cover Sheet.dgn



NOTE

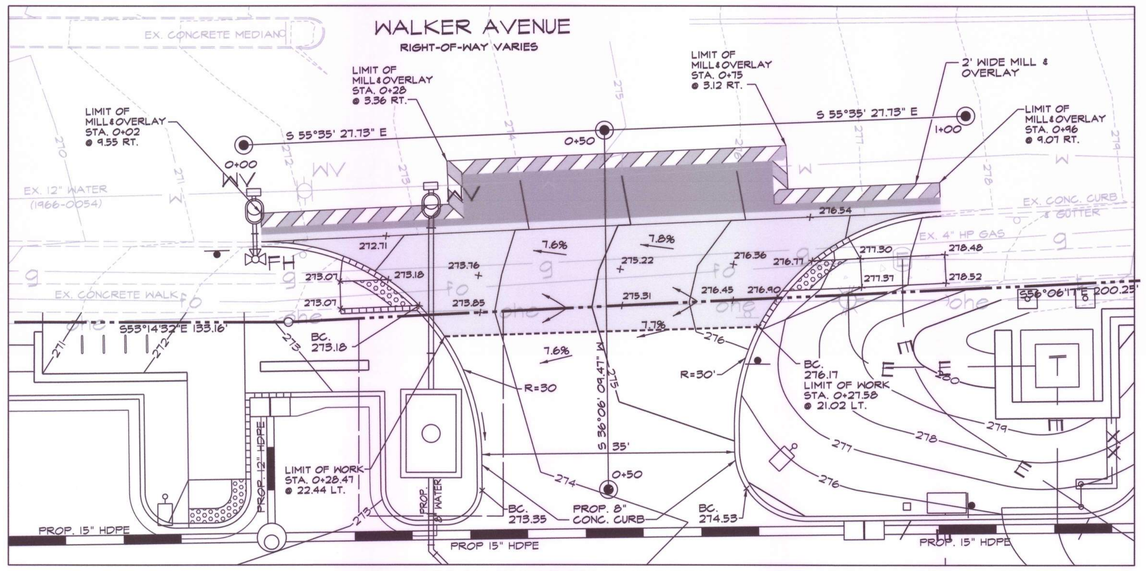
UPDATE EXISTING ENTRANCE PER STD. DETAIL R-32 TO MAINTAIN PROPER DRAINAGE TO EXISTING STORM DRAIN SYSTEM

LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- EX. EASEMENTS
- EX. SETBACKS
- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- EX. ELECTRIC UNDERGROUND
- EX. OVERHEAD ELECTRIC
- EX. TRANSFORMER, POWER POLE, LIGHT POLE
- EX. FIBER OPTIC
- EX. GAS
- EX. STORM DRAIN
- EX. SANITARY SEWER
- EX. WATER
- EX. WATER ABANDONED
- EX. FIRE HYDRANT, VALVE & METER
- EX. MANHOLE, INLET, CLEANOUT
- EX. SIGN
- EX. FENCE
- SIGN
- CONCRETE CURB
- 2 FOOT WIDE MILL & OVERLAY
- FULL DEPTH PAVEMENT REPLACEMENT
- CONCRETE APRON
- CONCRETE SIDEWALK
- RETAINING WALL

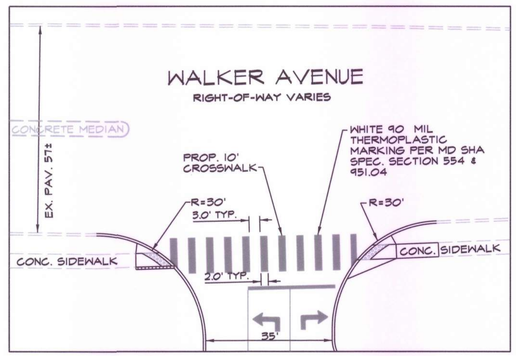
REFERENCE DRAWINGS

6" WATER - WALKER AVE. DWG #1966-0554
8" WATER - WALKER AVE. DWG. #24126-4A0
12" WATER - WALKER AVE. DWG. #1966-0554
16" WATER - WILKENS AVENUE, DWG. #2016-3141
8" SANITARY - WILKENS AVE. DWG. #1960-1041
ROAD - WILKENS AVENUE DWG. MSA S1624-15999
ROAD - WALKER AVENUE - DWG. #1966-565



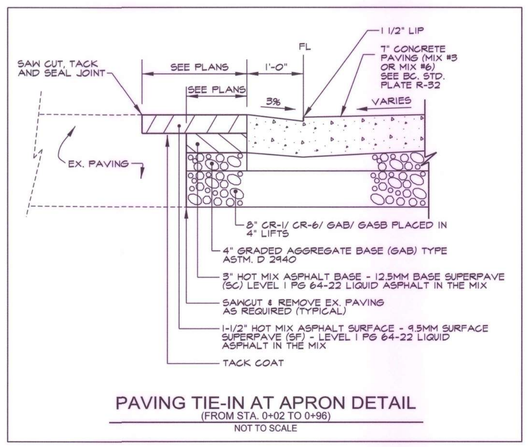
APRON ENLARGEMENT DETAIL

SCALE: 1" = 10'



CROSSWALK / PAVEMENT MARKING DETAIL

SCALE: 1" = 20'



PAVING TIE-IN AT APRON DETAIL

(FROM STA. 0+02 TO 0+96)
NOT TO SCALE

STREET LIGHT SCHEDULE

LOCATION	CHECK ONE: INSTALL	CHECK ONE: UPGRADE/REMOVE	FIXTURE TYPE	CHECK ONE: CUSTOMER OWNED (STREETLIGHTS)	CHECK ONE: CUSTOMER LEASED (STREETLIGHTS)	POLE TYPE	CHECK ONE: CUSTOMER OWNED (STREET SIGNS)	CHECK ONE: CUSTOMER LEASED (STREET SIGNS)	POLE NUMBER	STATION LOCATION
WALKER AVENUE	N/A	N/A	150W LED PENDANT & 4' ARM		X	WOOD		X	333075	0+82.65, 24.93' RT

APPROVED BY TRAFFIC ENGINEERING
INIT: TB DATE: 1.8.25' INIT: TB DATE: 1.8.25'

SIGN LEGEND

KEY	SIGN SYMBOL	NUMBER OF SIGNS	MUTCD SIGN DESIGNATION
①	STOP	1	(R1-1) 30"x30" ATTACHED TO UNISTRUT AND SNS SIGN

RIGHT OF WAY CERTIFICATION

"IN MY PROFESSIONAL OPINION, THIS PLAN IS SEALED AND CERTIFIED THAT THE RIGHT(S) OF WAY AND EASEMENT(S) SHOWN HEREON CONFORM IN ALL MATERIAL RESPECTS TO THE RIGHT(S) OF WAY AND EASEMENT(S) SHOWN ON THE RECORD PLAT OF BERKSHIRE ELEMENTARY SCHOOL RECORDED IN THE LAND RECORDS OF BALTIMORE COUNTY IN PLAT BOOK OS, FOLIO 83, WHICH PLAT HAS PREPARED IN COMPLIANCE WITH BALTIMORE COUNTY, DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, REAL ESTATE COMPLIANCE, DRAFTING SECTION MANUAL DATED JANUARY, 1997.)"

ENGINEER

MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE, MD 21230
ATTN: RYAN PIKE, P.E.
PHONE: (667) 309-6193
EMAIL: RPIKE@MKCENG.COM

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12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: ANGELA DOSS
EMAIL: ADOSS@BALTIMORECOUNTYMD.GOV
PHONE: (410) 887-7912

GRAPHIC SCALES

HORZ. 1 inch = 20 ft.
(IN FEET) 1 inch = 10 ft.
VERT. 1 inch = 5 ft.

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL (Pressure Only)	

DWG. FILENAME: MCS

SEAL
STATE OF MARYLAND · RYAN J. PIKE · 51066 · PROFESSIONAL ENGINEER
DATE: 12/9/24

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 51066 , EXPIRATION DATE 06/07/2025.
ENGINEER: RYAN JAMES PIKE
MK CONSULTING ENGINEERS, LLC
AS-BUILT PER RECORD PRINT
BY:
DATE:
DESIGN BY: RJP
DRAWN BY: AP
CHKD BY: PC

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
N/A			PLAN SCALE: AS SHOWN
R.O.W NO.	GSW	14SW19	PROFILE SCALE: HOR. N/A VERT. N/A

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
REVIEWED BY:		NCS				
DATE REVIEWED:		12/13/24				

DEPARTMENT OF PUBLIC WORKS
APPROVED BY: Chad K. Edmondson, Jr. DIRECTOR
DATE: 12-24-2024

12-20-24

Rec'd: 12/20/24

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION – BUREAU OF ENGINEERING & CONSTRUCTION

WILKENS POLICE PRECINCT PUBLIC IMPROVEMENT PLANS

DRIVEWAY ENTRANCE

200' SOUTHEAST OF WILKENS AVENUE (MD RTE. 372)

SUBDIVISION: WILKENS POLICE PRECINCT, 901 WALKER AVE. ELECTION DISTRICT NO. 01C1 COUNCILMANIC DISTRICT NO. 1

SHEET DESIGNATION	CONTRACT NUMBER
ROAD	24127-RAO
	JOB ORDER NUMBER
	210-205-7651
	SHEET 2 OF 2
	DRAWING NUMBER
	2024-2101
	FILE NO.: 5

BALTIMORE COUNTY MARYLAND

12/9/2024 G:\2022\2207- 300 - Wilkens Police Precinct\Drawings\C11.03 - Public Road Plan & Profile.dgn