ABBREVIATIONS

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
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
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
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

ESSEX POLICE PRECINCT - 11

RENOVATION & ADDITION

216 & 222 NORTH MARLYN AVE.

ESSEX, MD 21221

100% CONSTRUCTION DOCUMENTS

JULY 14, 2025

ARCHITECT
MURPHY & DITTENHAFER ARCHITECTS
805 NORTH CHARLES STREET
BALTIMORE, MD 21201
TEL. 410.625.4823

CIVIL ENGINEER
MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET SUITE 401
BALTIMORE, MD 21230
TEL. 667.309.6193

MEP ENGINEER
BOWMAN CONSULTING GROUP LTD.
300 E JOPPA RD SUITE 501
TOWSON, MD 21286
TEL. 410.494.1111

FIRE PROTECTION ENGINEER
WFT ENGINEERING, INC.
1801 RESEARCH BLVD, SUITE 100
ROCKVILLE, MD 21201
TEL. 301.230.0811

STRUCTURAL ENGINEER
COLUMBIA ENGINEERING, INC
6210 OLD DOBBIN LN #150
COLUMBIA, MD 21045
TEL. 410.992.9970

LANDSCAPE ARCHITECT
MAHAN RYKIEL ASSOCIATES, INC.
3300 CLIPPER MILL RD
BALTIMORE, MD 21211
TEL. 410.235.6001

AV/IT/DATA CONSULTANT
CONVERGENT TECHNOLOGIES DESIGN GROUP
6501 YORK RD
BALTIMORE, MD 21212
TEL. 410.532.2395

LEED CONSULTANT
SUSTAINABLE DESIGN CONSULTING, LLC
1432 K ST NW 3RD FLOOR
WASHINGTON, DC 20005
TEL. 202.667.1620

COST ESTIMATOR
COSTCON CONSTRUCTION SERVICES, INC.
1504 WILD CRANBERRY DRIVE
CROWNSVILLE, MD 21032
TEL. 443.510.4427

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\dwp\Documents\22139A1 - BC OC Essex Police Station DD_dwpQZAN8.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
CS-1	25022 PP0

JOB ORDER NUMBER: PROJ-10000636

SHEET 01 OF 295

DRAWING NUMBER: 2025-892

FILE NO.: 8 REV: 03/03

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE: JULY 14, 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

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/AWU

CHKD BY: RLM

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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT

APPROVED BY: JM Doran PROPERTY MANAGER

DATE: 11/4/2025

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

COVER SHEET

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET LIST

DRAWING NUMBER	SHEET DESIGNATION	SHEET NAME
GENERAL		
2025-0892	CS-1	COVER SHEET
2025-0893	CS-2	SHEET LIST
2025-0894	CS-3	CODE SUMMARY
2025-0895	CS-4	CODE & LIFE SAFETY PLAN
2025-0896	CS-5	CONSTRUCTION PHASING PLAN
2025-0897	CS-6	TEMPORARY PHASING PLANS
2025-0898	CS-7	TEMPORARY PHASING PLANS
2025-0899	CS-8	LEED SITE PLAN
CIVIL		
2025-0900	C1.00	GENERAL NOTES
2025-0901	C1.01	EXISTING CONDITIONS PLAN
2025-0902	C2.00	OVERALL DEMOLITION PLAN
2025-0903	C2.014	DEMOLITION PLAN - PHASE 1
2025-0904	C2.02	DEMOLITION PLAN - PHASE 2
2025-0905	C3.00	SITE AND GRADING PLAN
2025-0906	C4.00	SITE DETAILS
2025-0907	C4.01	SITE DETAILS
2025-0908	C4.02	SITE DETAILS
2025-0909	C5.00	STRIPING AND SIGNAGE PLAN
2025-0910	C5.01	PAVING PLAN
2025-0911	C6.00	GEOMETRY PLAN
2025-0912	C7.00	UTILITY PLAN
2025-0913	C7.01	STORM DRAIN DRAINAGE AREA MAP
2025-0914	C7.02	UTLITY PROFILES
2025-0915	C7.03	UTILITY PROFILES
2025-0916	C8.00	EROSION & SEDIMENT CONTROL PLAN - PHASE IA
2025-0917	C8.01	EROSION & SEDIMENT CONTROL PLAN - PHASE IB
2025-0918	C8.02	EROSION & SEDIMENT CONTROL PLAN - PHASE 2A
2025-0919	C8.03	EROSION & SEDIMENT CONTROL PLAN - PHASE 2B
2025-0920	C8.04	EROSION & SEDIMENT CONTROL DETAILS
2025-0921	C8.05	EROSION & SEDIMENT CONTROL DETAILS
2025-0922	C8.06	EROSION & SEDIMENT CONTROL NOTES & DETAILS
2025-0923	C8.07	EROSION & SEDIMENT CONTROL NOTES
2025-0924	C8.08	EROSION & SEDIMENT DA MAP - PHASE 1A EXISTING
2025-0925	C8.09	EROSION & SEDIMENT DA MAP - PHASE 1A INTERIM
2025-0926	C8.10	EROSION & SEDIMENT DA MAP - PHASE 1A FINAL
2025-0927	C8.11	EROSION & SEDIMENT DA MAP - PHASE 1B EXISTING
2025-0928	C8.12	EROSION & SEDIMENT DA MAP - PHASE 1B INTERIM
2025-0929	C8.13	EROSION & SEDIMENT DA MAP - PHASE 1B FINAL
2025-0930	C8.14	EROSION & SEDIMENT DA MAP - PHASE 2A INITIAL
2025-0931	C8.15	EROSION & SEDIMENT DA MAP - PHASE 2A INTERIM
2025-0932	C8.16	EROSION & SEDIMENT DA MAP - PHASE 2A FINAL
2025-0933	C8.17	EROSION & SEDIMENT DA MAP - PHASE 2B INITIAL
2025-0934	C8.18	EROSION & SEDIMENT DA MAP - PHASE 2B INTERIM
2025-0935	C8.19	EROSION & SEDIMENT DA MAP - PHASE 2B FINAL
2025-0936	C8.20	EROSION & SEDIMENT DA MAP - OFF-SITE DIVERSION
2025-0937	C9.00	NATURAL RESOURCES MAP
2025-0938	C9.01	EXISTING IMPERVIOUS AREA MAP
2025-0939	C9.02	PROPOSED IMPERVIOUS AREA MAP
2025-0940	C9.03	ENVIRONMENTAL SITE DESIGN PLAN
2025-0941	C9.04	EXISTING QUANTITY MANAGEMENT DRAINAGE AREA MAP
2025-0942	C9.05	PROPOSED QUANTITY MANAGEMENT DRAINAGE AREA MAP
2025-0943	C9.06	MICRO-BIORETENTION FACILITY #1
2025-0944	C9.07	MICRO-BIORETENTION FACILITY #2
2025-0945	C9.08	SUBMERGED GRAVEL WETLAND FACILITY #1
2025-0946	C9.09	SUBMERGED GRAVEL WETLAND PROFILES & DETAILS
2025-0947	C9.10	STORMWATER MANAGEMENT DETAILS
2025-0948	C9.11	STORMWATER MANAGEMENT NOTES & DETAILS
2025-0949	C9.12	STORMWATER MANAGEMENT BORING LOGS AND OVERALL SEQUENCE OF CONSTRUCTION
LANDSCAPE		
2025-0950	L0.00	LANDSCAPE - COVER SHEET & SHEET INDEX
2025-0951	L1.01	LANDSCAPE - MATERIALS PLAN
2025-0952	L1.02	LANDSCAPE - MATERIALS PLAN ENLARGEMENT
2025-0953	L2.01	LANDSCAPE - LAYOUT PLAN
2025-0954	L2.02	LANDSCAPE - LAYOUT PLAN ENLARGEMENT
2025-0955	L4.01	LANDSCAPE - BOLLARD LAYOUT & ELEVATIONS
2025-0956	L5.01	LANDSCAPE - HARDSCAPE DETAILS
2025-0957	L5.02	LANDSCAPE - HARDSCAPE DETAILS
2025-0958	L5.03	LANDSCAPE - HARDSCAPE DETAILS
2025-0959	L5.10	LANDSCAPE - SITE FURNISHINGS
2025-0960	L6.01	LANDSCAPE - SOILS PLAN
2025-0961	L7.01	LANDSCAPE - PLANTING PLAN
2025-0962	L7.02	LANDSCAPE - PLANTING PLAN ENLARGEMENT
2025-0963	L7.03	LANDSCAPE - PLANTING PLAN ENLARGEMENT
2025-0964	L7.04	LANDSCAPE - PLANTING PLAN ENLARGEMENT
2025-0965	L7.10	LANDSCAPE - PLANTING DETAILS
ARCHITECTURAL		
2025-0966	AD-101	SITE DEMOLITION PLAN
2025-0967	AD-102	DEMOLITION FLOOR PLANS
2025-0968	AD-103	ROOF & EXTERIOR ELEVATIONS DEMOLITION
2025-0969	A-101	BASEMENT PLAN
2025-0970	A-102	FIRST FLOOR PLAN
2025-0971	A-103	ENLARGED BASEMENT PLAN
2025-0972	A-104	ENLARGED FIRST FLOOR PLAN - PART A
2025-0973	A-105	ENLARGED FIRST FLOOR PLAN - PART B
2025-0974	A-106	ROOF PLAN
2025-0975	A-107	ENLARGED ROOF PLAN & DETAILS - PART A
2025-0976	A-108	ENLARGED ROOF PLAN & DETAILS - PART B
2025-0977	A-109	OVERALL FIRST FLOOR RCP
2025-0978	A-110	ENLARGED BASEMENT RCP
2025-0979	A-111	ENLARGED FIRST FLOOR RCP - PART A
2025-0980	A-112	ENLARGED FIRST FLOOR RCP - PART B
2025-0981	A-113	LOBBY & VESTIBULE RCP
2025-0982	A-200	OVERALL EXTERIOR ELEVATIONS
2025-0983	A-201	ENLARGED EXTERIOR ELEVATIONS
2025-0984	A-202	ENLARGED EXTERIOR ELEVATIONS
2025-0985	A-203	ENLARGED EXTERIOR ELEVATIONS
2025-0986	A-204	ENLARGED EXTERIOR ELEVATIONS - VESTIBULE
2025-0987	A-301	BUILDING SECTIONS
2025-0988	A-302	BUILDING SECTIONS
2025-0989	A-310	WALL SECTIONS - TYP. PART A
2025-0990	A-311	WALL SECTIONS - TYP. PART B
2025-0991	A-312	WALL SECTIONS - CANOPIES
2025-0992	A-313	WALL SECTIONS - CANOPIES
2025-0993	A-314	WALL SECTIONS - CANOPIES
2025-0994	A-315	WALL SECTIONS - ELEVATOR/STAIR
2025-0995	A-316	WALL SECTIONS - SALLY PORT
2025-0996	A-400	ENLARGED PLAN - 1ST FL - LOBBY & PUBLIC SPACES
2025-0997	A-401	ELEVATIONS - 1ST FL - LOBBY & PUBLIC SPACES
2025-0998	A-402	ENLARGED PLANS & ELEVS. - 1ST FL - BREAK RM, IT RMS & MECH. RMS
2025-0999	A-403	ENLARGED PLANS & ELEVS. - 1ST FL - DETECTIVES SUITE
2025-1000	A-404	ENLARGED PLANS & ELEVS. - 1ST FL - SHIFT LEADER SUITES
2025-1001	A-405	ENLARGED PLANS & ELEVS. - 1ST FL - BPI, TRAFFIC & DVC SUITES
2025-1002	A-406	ENLARGED PLANS & ELEVS. - 1ST FL - ROLL CALL, EVID. PROC. & REPORT WRITING
2025-1003	A-407	ENLARGED PLANS & ELEVS. - 1ST FL - CAPTAIN'S SUITE
2025-1004	A-408	ENLARGED PLANS & ELEVS. - 1ST FL - CAPTAIN'S OFFICE, CONF. RM & COMM. OUT.
2025-1005	A-409	ENLARGED PLANS & ELEVS. - 1ST FL - ARMORY, GUN CLEAN, RECORDS & CONF. RM
2025-1006	A-410	ENLARGED PLANS & ELEVS. - 1ST FL - FRONT DESK & CONTROL DESK CONNECTOR
2025-1007	A-411	ENLARGED PLANS & ELEVS. - 1ST FL - CONTROL DESK & BULL PENS
2025-1008	A-412	ENLARGED PLANS & ELEVS. - 1ST FL - FEMALE & JUVENILE HOLDING
2025-1009	A-413	ENLARGED PLANS & ELEVS. - 1ST FL - PROCESSING AREA
2025-1010	A-414	ENLARGED PLANS & ELEVS. - 1ST FL - MALE HOLDING
2025-1011	A-415	ENLARGED PLANS & ELEVS. - 1ST FL - SALLY PORT & EXT STORAGE RMS
2025-1012	A-416	ENLARGED PLANS & ELEVS. - 1ST FL - CAT SUITE, COURT LIASON & INTERVIEW RMS
2025-1013	A-417	ENLARGED PLANS & ELEVS. - 1ST FL - SRO SUITE, INTERVIEW RMS & OFFICE SUPPLY
2025-1014	A-418	ENLARGED PLANS & ELEVS. - BSMT - MEN'S LOCKER ROOM
2025-1015	A-419	ENLARGED PLANS & ELEVS. - BSMT - WOMEN'S LOCKER ROOM
2025-1016	A-420	ENLARGED PLANS & ELEVS. - BSMT - GEN. NEUT. LOCKER ROOM, JC & WELLNESS
2025-1017	A-421	ENLARGED PLANS & ELEVS. - BSMT - GEAR STORAGE & DUTY BAG STORAGE
2025-1018	A-422	ENLARGED PLANS, ELEVS. & FITNESS EQUIP - BSMT
2025-1019	A-423	CORRIDOR ELEVS. - 1ST FL & BASEMENT PART A
2025-1020	A-424	CORRIDOR ELEVS. - 1ST FL PART B
2025-1021	A-425	STAIR & ELEVATOR PLANS, SECTIONS & DETAILS
2025-1022	A-426	TOILET ACCESSORIES DIAGRAMS
2025-1023	A-427	ENLARGED PLANS & ELEVS. - RESTROOMS
2025-1024	A-428	ENLARGED PLANS & ELEVS. - LOCKER RESTROOMS
2025-1025	A-500	EXTERIOR SECTION DETAILS - VESTIBULE
2025-1026	A-501	EXTERIOR SECTION DETAILS - PART A
2025-1027	A-502	EXTERIOR SECTION DETAILS - PART B
2025-1028	A-503	EXTERIOR SECTION DETAILS - PART B
2025-1029	A-504	EXTERIOR SECTION DETAILS - CANOPIES
2025-1030	A-505	EXTERIOR SECTION DETAILS - CANOPIES
2025-1031	A-506	EXTERIOR SECTION DETAILS - ROOF ELEVATOR/ STAIR
2025-1032	A-507	PLAN DETAILS- FIRST FL - PART A
2025-1033	A-508	PLAN DETAILS- FIRST FL - PART B
2025-1034	A-509	PLAN DETAILS - ROOF
2025-1035	A-510	PLAN DETAILS - VESTIBULE
2025-1036	A-511	PLAN DETAILS - VESTIBULE
2025-1037	A-512	PLAN DETAILS - VESTIBULE
2025-1038	A-513	PLAN & SECTION DETAILS - EXTERIOR STAIR
2025-1039	A-514	CASEWORK PLANS & ELEVATIONS
2025-1040	A-515	CASEWORK PLANS & ELEVATIONS
2025-1041	A-516	CASEWORK PLANS & ELEVATIONS
2025-1042	A-517	WELDED METAL LOCKER PLANS & DETAILS
2025-1043	A-518	WELDED METAL LOCKER PLANS, ELEVATIONS & DETAILS
2025-1044	A-519	CASEWORK TYPICAL DETAILS
2025-1045	A-520	ROOF DETAILS
2025-1046	A-521	ROOF DETAILS
2025-1047	A-522	ROOF DETAILS
2025-1048	A-523	MOCK UP PANELS
2025-1049	A-600	ROOM FINISH PLAN & SCHEDULE
2025-1050	A-601	ROOM FINISH PLAN & SCHEDULE
2025-1051	A-602	ROOM FINISH PLAN & SCHEDULE
2025-1052	A-603	DOOR SCHEDULE
2025-1053	A-604	DOOR DETAILS
2025-1054	A-605	EXTERIOR GLAZING
2025-1055	A-606	INTERIOR GLAZING
2025-1056	A-607	WINDOW DETAILS
2025-1057	A-608	INTERIOR PARTITION TYPES
2025-1058	A-609	ROOM/SIGNAGE SCHEDULE
2025-1059	A-610	ROOM/SIGNAGE SCHEDULE
2025-1060	A-611	ROOM/SIGNAGE SCHEDULE
2025-1061	A-620	APPLIANCE & EQUIPMENT SCHEDULE
2025-1062	A-801	FURNITURE PLAN - FOR REFERENCE ONLY
2025-1063	A-802	FURNITURE PLAN - FOR REFERENCE ONLY
STRUCTURAL		
2025-1064	S-001	GENERAL NOTES
2025-1065	S-002	GENERAL NOTES AND INSPECTION TABLES
2025-1066	S-003	INSPECTION TABLES
2025-1067	S-004	SCHEDULES
2025-1068	S-101	EXISTING AND DEMOLITION PLANS
2025-1069	S-102	EXISTING AND DEMOLITION PLANS
2025-1070	S-111	FOUNDATION - AREA A NEW WORK
2025-1071	S-112	FOUNDATION, SLAB ON GRADE, LEVEL 01 FRAMING PLAN – PART A
2025-1072	S-113	FOUNDATION AND SLAB ON GRADE - AREA B
2025-1073	S-114	ROOF FRAMING PLAN - AREA A
2025-1074	S-115	LOW ROOF AND CANOPY FRAMING AREA B
2025-1075	S-116	ROOF FRAMING PLAN - AREA B
2025-1076	S-301	TYPICAL DETAILS
2025-1077	S-302	TYPICAL DETAILS
2025-1078	S-303	TYPICAL DETAILS
2025-1079	S-304	TYPICAL DETAILS
2025-1080	S-305	TYPICAL DETAILS
2025-1081	S-306	TYPICAL DETAILS
2025-1082	S-401	SECTIONS
2025-1083	S-402	SECTIONS
2025-1084	S-403	SECTIONS
2025-1085	S-501	SECTIONS
2025-1086	S-502	SECTIONS
2025-1087	S-503	SECTIONS
2025-1088	S-504	SECTIONS
2025-1089	S-505	SECTIONS
2025-1090	S-506	SECTIONS
MECHANICAL		
2025-1091	M001	MECHANICAL COVER SHEET
2025-1092	M002	MECHANICAL COVER SHEET
2025-1093	M003	PHASING PLAN
2025-1094	M100	DEMOLITION - AREA A - MECHANICAL
2025-1095	M201A	NEW WORK - AREA A - HVAC
2025-1096	M201B	NEW WORK - AREA B - HVAC
2025-1097	M202	NEW WORK - ROOF - MECHANICAL
2025-1098	M301A	NEW WORK - AREA A - REFRIGERANT & ATC
2025-1099	M301B	NEW WORK - AREA B - REFRIGERANT & ATC
2025-1100	M501	REFRIGERANT RISERS
2025-1101	M502	REFRIGERANT RISERS
2025-1102	M601	CONTROLS
2025-1103	M602	CONTROLS
2025-1104	M603	CONTROLS
2025-1105	M701	DETAILS
2025-1106	M702	DETAILS
2025-1107	M703	DETAILS
2025-1108	M704	DETAILS
2025-1109	M705	DETAILS
2025-1110	M801	SCHEDULES
2025-1111	M802	SCHEDULES
PLUMBING		
2025-1112	P001	PLUMBING COVERSHEET
2025-1113	P200	NEW WORK - AREA A - SUB-SLAB
2025-1114	P201	NEW WORK - AREA A - BASEMENT
2025-1115	P202	NEW WORK - AREA A - FIRST FLOOR
2025-1116	P203	NEW WORK - AREA B - SUB SLAB
2025-1117	P204	NEW WORK - AREA B - FIRST FLOOR
2025-1118	P205	NEW WORK - ROOF - PLUMBING
2025-1119	P501	RISERS - DOMESTIC WATER
2025-1120	P502	RISERS - SANITARY & VENT
2025-1121	P503	RISERS - STORMWATER/CONDENSATE
2025-1122	P701	DETAILS
2025-1123	P702	DETAILS
2025-1124	P703	DETAILS
2025-1125	P704	DETAILS
2025-1126	P705	DETAILS
2025-1127	P801	SCHEDULES
2025-1128	P802	SCHEDULES
ELECTRICAL		
2025-1129	E001	ELECTRICAL COVERSHEET
2025-1130	ES101	ELECTRICAL DEMOLITION SITE PLAN
2025-1131	ES201	ELECTRICAL NEW WORK SITE PLAN
2025-1132	E002	LIGHT FIXTURE SCHEDULE
2025-1133	E003	ELECTRICAL SITE LIGHTING CALCULATIONS
2025-1134	E201	BASEMENT PLAN - LIGHTING
2025-1135	E202	FIRST FLOOR LIGHTING - WING A
2025-1136	E203	FIRST FLOOR LIGHTING - WING B
2025-1137	E301	BASEMENT PLAN - POWER
2025-1138	E302	FIRST FLOOR POWER - WING A
2025-1139	E303	FIRST FLOOR POWER - WING B
2025-1140	E304	ROOF PLAN POWER - WING A
2025-1141	E305	ROOF PLAN POWER - WING B
2025-1142	E401	PART PLANS - ELECTRICAL
2025-1143	E501	ELECTRICAL POWER RISER DIAGRAM
2025-1144	E601	ELECTRICAL DETAILS
2025-1145	E602	ELECTRICAL DETAILS
2025-1146	E603	ELECTRICAL DETAILS
2025-1147	E701	HVAC SCHEDULE
2025-1148	E702	HVAC SCHEDULE
2025-1149	E703	PANEL SCHEDULES
2025-1150	E704	PANEL SCHEDULES
FIRE PROTECTION		
2025-1151	FP-001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
2025-1152	FP-101	BASEMENT FLOOR PLAN - FIRE PROTECTION
2025-1153	FP-102	FIRST FLOOR PLAN - WING A - FIRE PROTECTION
2025-1154	FP-103	FIRST FLOOR PLAN - WING B - FIRE PROTECTION
2025-1155	FP-301	SECTIONS
2025-1156	FP-401	ENLARGED PLANS
2025-1157	FP-501	DETAILS
2025-1158	FP-601	RISERS, DIAGRAMS AND SCHEDULES
2025-1159	FP-701	FIRST FLOOR PLAN - FIRE PROTECTION - CALCULATIONS
2025-1160	FP-901	ISOMETRICS
FIRE ALARM		
2025-1161	FA-001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
2025-1162	FAD-101	BASEMENT FLOOR PLAN - FIRE ALARM - DEMOLITION
2025-1163	FAD-102	FIRST FLOOR PLAN - FIRE ALARM - DEMOLITION
2025-1164	FA-101	BASEMENT FLOOR PLAN - FIRE ALARM
2025-1165	FA-102	FIRST FLOOR PLAN - WING A - FIRE ALARM
2025-1166	FA-103	FIRST FLOOR PLAN - WING B - FIRE ALARM
2025-1167	FA-301	MATRIX
LOW VOLTAGE		
2025-1168	TA001	LOW VOLTAGE SYSTEMS TITLESHEET
2025-1169	TA002	LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX
2025-1170	TA010	TELECOM GROUNDING DETAILS & RISER DIAGRAM
2025-1171	TA100	LOW VOLTAGE SITE PLAN
2025-1172	TA101	LOW VOLTAGE BASEMENT FLOOR PLAN
2025-1173	TA102	LOW VOLTAGE FIRT FLOOR PLAN - WING A
2025-1174	TA103	LOW VOLTAGE FIRT FLOOR PLAN - WING B
2025-1175	TA104	LOW VOLTAGE ROOF PLAN
2025-1176	TA121	LOW VOLTAGE BASEMENT REFLECTED CEILING PLAN
2025-1177	TA122	LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING A
2025-1178	TA123	LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING B
2025-1179	TA200	IT ELEVATIONS & ENLARGED DETAILS
2025-1180	TA210	DISPLAY WALL ELEVATIONS
2025-1181	TA211	FRONT DESK & BODY CAMERA CHARGING ELEVATIONS
2025-1182	TA500	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (1 OF 3)
2025-1183	TA501	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (2 OF 3)
2025-1184	TA502	LOW VOLTAGE SYSTEMS INFFRASTRUCTURE DETAILS (3 OF 3)
2025-1185	TA510	ELECTRONIC ACCESS CONTROL DOORS
2025-1186	TA511	ELECTRONIC ACCESS CONTROL DOOR SCHEDULE
PUBLIC PLANS		
2024-3872	WATER	8" FM METER PLAN AND PROFILE
2024-3873	WATER	2" & 5/8" DOMESTIC METER ABANDONMENT

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE

PLAN SCALE:

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: JM Doran PROPERTY MANAGER

DATE: 11/4/2025

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

ESSEX POLICE PRECINCT - 11

SHEET LIST

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

805 North Charles Street, Baltimore, Maryland 21201 410-625-4600 voice 410-625-4614 fax

229 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
CS-2	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 02 OF 295
	DRAWING NUMBER
	2025-893
	FILE NO.: 8 REV: 03/03

BALTIMORE COUNTY MARYLAND

BUILDING CODE STUDY DATA

Updated for DD: **6/10/2025**

1 PROJECT NAME AND LOCATION

NAME	Essex Police Precinct 11
STREET ADDRESS	216 N Marlyn Ave
MUNICIPALITY	Baltimore County
CITY, STATE	Essex, Maryland 21221

PROJECT DESCRIPTION: **fully sprinklered: Yes**

Renovations and Additions for a 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:	meeting Maryland's Building Energy Performance Standards

2 BUILDING DATA

ACTUAL HEIGHT approx. 24 feet grade to highest parapet

GROSS FLOOR AREAS in SF	FOOTPRINT to Ext. face EXISTING	FOOTPRINT to Ext. face EXIST.& NEW	AREAS excluding circ./shafts/canopies Business***	Stor./Mech.	Com.Rm.**	Lockup**	TOTAL
BASEMENT*	7900	8400	5284	1059	0	0	6343
FIRST FLOOR	7900	25860	14485	926	722	1378	17511
TOTAL:	**15800**	**34260**	**19769**	**1985**	**722**	**1378**	**23854**

* Basement has been included, although it would qualify to be excluded from area calculations per IBC 506.1.3 (Allowable area factor B occupancy - 1 story: 92000 sf > proposed basement area)

** Community Room and Lockup considered accessory to main Business funcion with their aggregate area < 10% of first floor area (IBC 303.1.2)

***excluding Community Room

OCCUPANT LOADS: IBC (table 1004.5) NFPA 101 (table 7.3.1.2)

(most restrictive factor used where values differ in both codes)

USE GROUP:	Business*	Stor./Mech.	Comm. Rm**	Lockup	TOTAL
FACTOR (SF/person):	**150 or 50**	**300**	**7**	*******	
BASEMENT	105	4	0	0	109
FIRST FLOOR	97	4	70	45	216
TOTAL:	**202**	**8**	**70**	**45**	**325**

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

** Community Room calculated from maximum floor area available for chair seating excluding egress aisles

*** Lockup area has assigned occupancy per cell capacities

3 BUILDING USE AND CONSTRUCTION CLASSIFICATIONS:

	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
USE GROUP	**B**	302	**Business, Assembly, Lockup**	6.1.2.1, 12, 22.4.6, 38	a) b)
CONSTRUCTION TYPE	**II B**	table 601	**II (000)**	NFPA 220	
ALLOWABLE HEIGHT	**75 feet** (sprinklered)	table 504.3	unregulated		
ALLOWABLE STORIES	**4** for B	table 504.4	4	12,22,38,4.6.3	
ALLOW. AREA FACTOR	92000 for B	table 506.2	unregulated		
ALLOWABLE AREA / FLOOR	92000	506.2.4	unregulated		c)
OCCUP. SEPARATION	**N/A**	508.2.4	**N/A**		
INCIDENTAL & ACCESSORY USE AREA	storage / lockup	303.1.2 311.1.1	storage	6.1.14.1.3(1)	d)
FIRE SEP.DISTANCE	30 feet or greater	table 705.5			

Remarks:

a) Chapter 22 of NFPA 101 does not apply for Holding Areas <24hrs. (NFPA 38.2.11.2); specific requirements per 22.4.6.1.4 for doors

b) Community Room on first floor (<750sf in area) is considered a Small Assembly Space per IBC 303.1.2 and considered part of Business function (IBC 508.2. does not apply); Lockups with less than 50 detainees not considered Institutional per NFPA 101 - 22.4.5; different occupancies are considered unseparated occupancies (IBC 508.3); allowable height and area based on main occupancy (IBC 508.2.2 & 508.2.3)

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

d) Accessory areas are less than 10% of first floor area and considered accessory to the main occupancy (IBC 303.1.2 & 508.2.3):

1863 / 25860 = 7.2%

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 By Space	IBC Value	IBC Ref.	NFPA Value	NFPA 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*

* for Business occupancies w/ more than 50 occupants

MAXIMUM DEAD-END limit in feet	IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
Assembly	**classified as B**		**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	**classified as B**		**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	**classified as B**		**75'***	12.2.5.1.2	sprinklered
Business B	**100**	1006.2.1	**100**	38.2.5.3	sprinklered

** 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:

Basement egress: 109 total occupant load on floor below first floor level 2 Egress stairs provided

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.

IBC 1005 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:

48 inches / 0.3 = **160 capacity per stair**

NFPA 7.3.3.2 calculation:

Stair width betw. walls/guards / most stringent factor from table above:

48 inches / 0.3 = **160 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 a Sally Port is permitted (IBC 408.3.7 & NFPA 101 22.2.5.5)

PANIC HARDWARE

Per IBC Code 1010.2.9 & NFPA 101 7.2.1.7, 12.2, 22.2, 38.2

ALL DOORS SERVING MORE THAN 50 & AT SMOKE BARRIER DOORS (& 1200A ELECTRICAL ROOMS)

FIRE EXIT HARDWARE

Per IBC Code 1010.2.9 & NFPA 101 7.2.1.7, 12.2, 22.2, 38.2

ALL DOORS SERVING MORE THAN 50 AT OPENINGS THROUGH FIRE ASSEMBLIES

EMERGENCY LIGHTING REQUIREMENTS

Per IBC Code 1008 & 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	903.2.11.1	9.7 12.3.5.2 22.3.5.2	Not required on first floor for B occupancy, but required in stories below grade. Anti-ligature sprinkler heads are recommended in detention cells. Provided throughout.
Fire Alarm System	YES	907.2.2	9.6 12.3.4 22.4.5.2.4 38.3.4	IBC and NFPA 101 requires a fire alarm system.
Carbon Monoxide Detection	PARTIAL	NOT REQ.	12.3.4.4	At fuel-burning equipment locations only and near garage in Assembly occupancy (N/A)

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	permitted	712.1.9	permitted	8.6.8	open to basement
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**	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, with min. one extinguisher within 30ft from any commercial cooking equipment.
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 atti spaces.
b. Identification markings shall be located within 15'-0" of the end of each wall and at intervals nc 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".

6 INTERIOR FINISH REQUIREMENTS

ELEMENT class required		IBC VALUE	IBC REF.	NFPA 101 VALUE	NFPA 101 REF.	REMARKS
Business B	- walls,ceil.	C	803.13	C	38.3.3.2.2	
	- in corridors, stairs	C	803.13	B	38.3.3.2.1	IBC sprinkler exception
Floors in rooms		no requirement	804.4.2	no requirement		
Floors in corridors & exit enclosures		Class II	804.4.2	Class II	12.3.3.5 38.3.3.3	a)

IBC values are for fully sprinklered buildings; refer to NFPA 101, Section 10.2.

a) materials complying with DOC FF-1 "pill test" or with ASTM D2859 permitted (IBC 804.4.2 Exc.)

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

Total occupant load per use group: Business including Community Room: **272**

Lockup: **45** Incidental Storage/Mech.: **8**

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	B	105	53	2.12	1.33	2.12	1.33
Lockup***		0	0	0.00	0.00	0.00	0.00
Stor./Mech.		4	2	0.02	0.02	0.02	0.02
	subtotal:	**109**					
B Business	1	167	84	2.68	2.10	2.68	2.10
Lockup***		45	23	0.92	0.58	0.92	0.58
Stor./Mech.		4	2	0.02	0.02	0.02	0.02
	subtotal:	**216**					
	Total Occupant Load	**325**	**Total required** (rounded)**	**6**	**5**	**6**	**5**

* Up to 67% of required WC's can be urinals - UP TO: **4**

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 based on I-3 occupancy in addition to the following requirements:

	WC	Lav.	Bathtub/shower
	1 per cell	1 per cell	1 per 15 detainees
Total required:	**9**	**9**	**1**

Additionally required:	Drinking fountains		Service sinks
Business	(1 per 100)	2.72	1
Business (Lockup)	(1 per 100)	0.45	1
Storage	(1 per 1000)	0.01	1
	subtotal:	3.18	N/A
	Total required:	**4**	**1**

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
Mass wall above grade	R = 9.5 continuous	R = 15 continuous
Slab on grade	R = 15 for 24" below	R = 15 (3")
Below-grade wall	R = 7.5 continuous	R = 10 (2")
ELEMENT (table 402.1.4, 402.4)	**MAXIMUM VALUE**	**SPECIFIED VALUE**
Opaque swinging doors	u = 0.37	u = 0.37
Fixed fenestration	u = 0.36	u = 0.36
	SHGC = 0.36	SHGC = 0.36
Entrance doors	u = 0.63	u = 0.63

AIR BARRIER

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

END OF CODE SUMMARY

C:\Users\dwg\Documents\23139\1 - BC OC Essex Police Station DD_dwgQZ.NS.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS

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

228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2449 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

BY:

DATE:

AS-BUILT / REVISION | BY | DATE

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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

ESSEX POLICE PRECINCT - 11

CODE SUMMARY

RENOVATION & ADDITION

SUBDIVISION: ESSEX

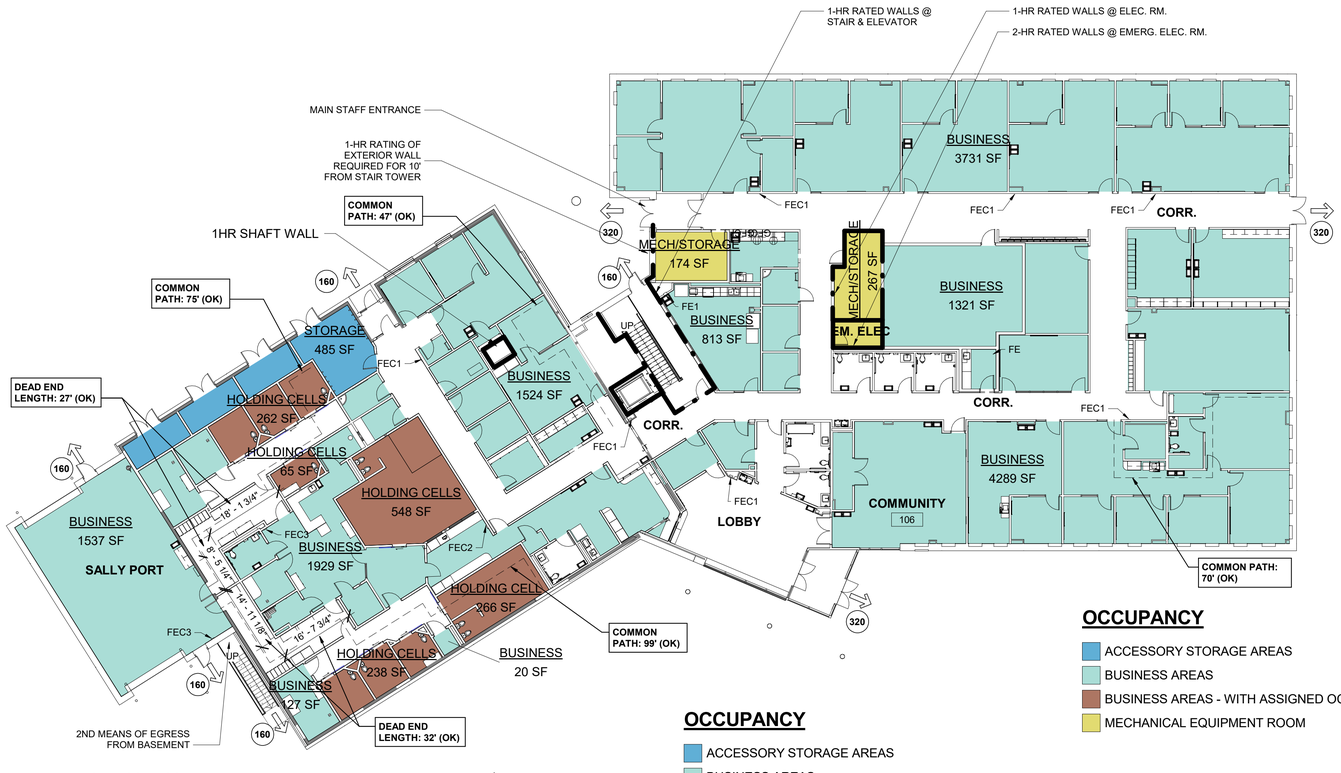
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
CS-3	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 03 OF 295	
DRAWING NUMBER	2025-894
FILE NO.: 8	REV. 0/02

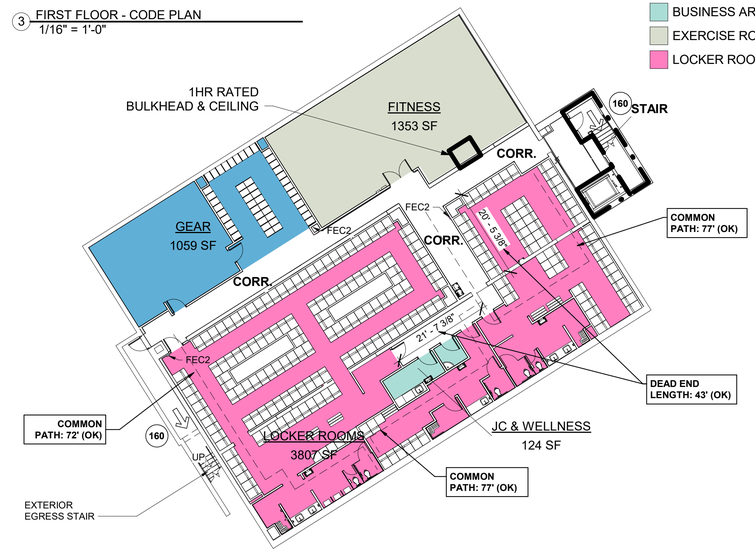
Area Schedule (Code Area Plans)					
Level	Name	TABLE 1004.1.1	Area	S.F.PerPerson XX	Persons
BASEMENT FLOOR	GEAR	ACCESSORY STORAGE AREAS	1059 SF	300	4
		SUBTOTAL:	1059 SF		4
BASEMENT FLOOR	JC & WELLNESS	BUSINESS AREAS	124 SF	150	1
		SUBTOTAL:	124 SF		1
BASEMENT FLOOR	FITNESS	EXERCISE ROOMS	1353 SF	50	28
		SUBTOTAL:	1353 SF		28
BASEMENT FLOOR	LOCKER ROOMS	LOCKER ROOMS	3807 SF	50	77
		SUBTOTAL:	3807 SF		77
FIRST FLOOR	STORAGE	ACCESSORY STORAGE AREAS	485 SF	300	2
			485 SF		2
FIRST FLOOR	BUSINESS	BUSINESS AREAS SUBTOTAL:	4289 SF	150	29
FIRST FLOOR	BUSINESS	BUSINESS AREAS	1929 SF	150	13
FIRST FLOOR	BUSINESS	BUSINESS AREAS	127 SF	150	1
FIRST FLOOR	BUSINESS	BUSINESS AREAS	20 SF	150	1
FIRST FLOOR	BUSINESS	BUSINESS AREAS	1537 SF	150	11
FIRST FLOOR	BUSINESS	BUSINESS AREAS	1524 SF	150	11
FIRST FLOOR	BUSINESS	BUSINESS AREAS	813 SF	150	6
FIRST FLOOR	BUSINESS	BUSINESS AREAS	3731 SF	150	25
FIRST FLOOR	BUSINESS	BUSINESS AREAS	1321 SF	150	9
		SUBTOTAL:	15292 SF		106
FIRST FLOOR	HOLDING CELLS	BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD	238 SF		
FIRST FLOOR	HOLDING CELL	BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD	266 SF		
FIRST FLOOR	HOLDING CELLS	BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD	548 SF		NOTE: REFER TO CODE SUMMARY FOR ASSIGNED OCCUPANT LOADS
FIRST FLOOR	HOLDING CELLS	BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD	262 SF		
FIRST FLOOR	HOLDING CELLS	BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD	65 SF		
		SUBTOTAL:	1378 SF		0
FIRST FLOOR	MECH/STORAGE	MECHANICAL EQUIPMENT ROOM	174 SF	300	1
FIRST FLOOR	MECH/STORAGE	MECHANICAL EQUIPMENT ROOM	267 SF	300	1
		SUBTOTAL:	441 SF		2
		TOTAL:	23940 SF		220 (WITHOUT COMMUNITY ROOM AND HOLDING CELLS)



3 FIRST FLOOR - CODE PLAN
1/16" = 1'-0"

OCCUPANCY

- ACCESSORY STORAGE AREAS
- BUSINESS AREAS
- BUSINESS AREAS - WITH ASSIGNED OCCUPANT LOAD
- MECHANICAL EQUIPMENT ROOM



2 BASEMENT - CODE PLAN
1/16" = 1'-0"

OCCUPANCY

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

LEGEND:

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

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".

CAPACITY OF DOOR / STAIR
160

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

CODE LEGEND

C:\Users\dwg\Documents\221393A1 - BC OC Essex Police Station DD_dwgQZAN8.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS
805 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 717-843-2448 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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
BY:
DATE:

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

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: 1/16" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

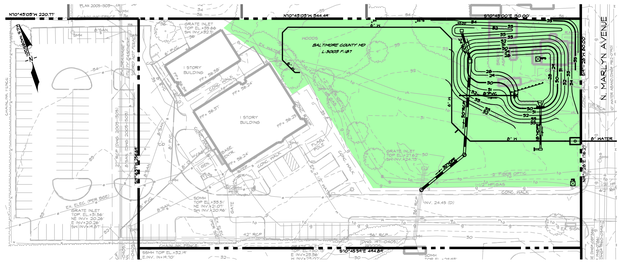
CODE & LIFE SAFETY PLAN

RENOVATION & ADDITION

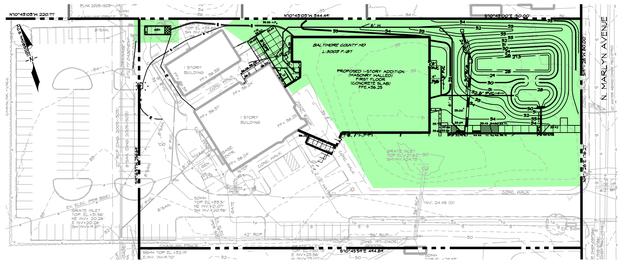
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
CS-4	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 04 OF 295
	DRAWING NUMBER
	2025-895
	FILE NO.: 8 REV. 03/22

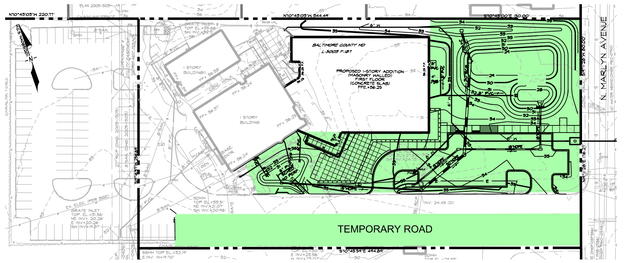
BALTIMORE COUNTY MARYLAND



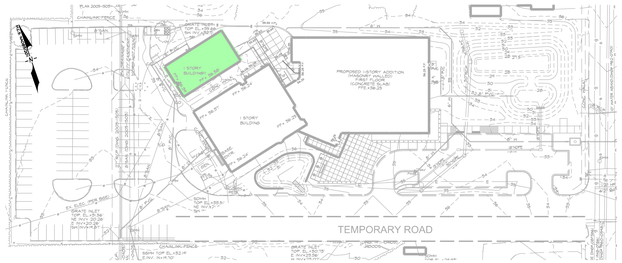
PHASE 1A
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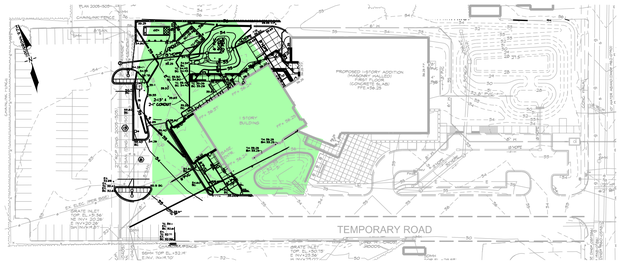
PHASE 1B
SCALE : NOT TO SCALE



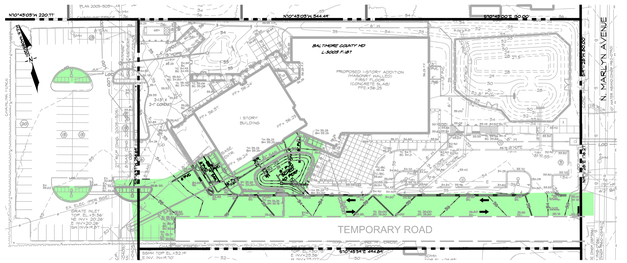
PHASE 1C
SCALE : NOT TO SCALE



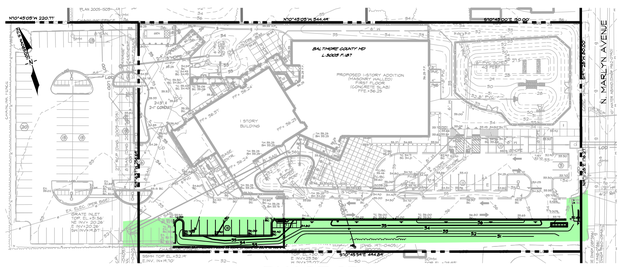
PHASE 2A
SCALE : NOT TO SCALE



PHASE 2B
SCALE : NOT TO SCALE



PHASE 2C
SCALE : NOT TO SCALE



PHASE 2D
SCALE : NOT TO SCALE

PHASE 1A

INSTALL EROSION & SEDIMENT CONTROL DEVICES. DEMOLISH AND CLEAR LOT 222 MARLYN AVENUE. INSTALL 30" STORM DRAIN BYPASS. INSTALL SEDIMENT TRAP AND ADDITIONAL ESC CONTROLS. INSTALL NEW 6" WATER W/ TEMPORARY SERVICE TO ANNEX BUILDING.

PHASE 1B

BEGIN CONSTRUCTION OF NEW BUILDING AND NEW PARKING AREA (USED FOR TEMPORARY ACCESS.)

PHASE 1C

CONTINUE NEW BUILDING CONSTRUCTION AND SITE WORK, AND PROVIDE TEMPORARY ACCESS ROAD. MAINTAIN ACCESS TO REAR PARKING LOT AND EX. BUILDING ENTRANCES AT ALL TIMES. NEW BUILDING SHALL BE READY FOR OCCUPANCY AFTER THIS PHASE, INCLUDING BOTH ENTRANCE AREAS.

PHASE 2A

BEGIN DEMOLITION OF ANNEX BUILDING, MAINTAIN TEMPORARY PAVING TIE-INS BETWEEN TO EXISTING DRIVEWAY ENTRANCE AND FRONT AND REAR PARKING LOTS. POLICE VEHICULAR ACCESS IS VIA TEMPORARY ROAD. CONSTRUCTION TRAFFIC AND PUBLIC VEHICULAR ACCESS IS PROVIDED BY EXISTING DRIVEWAY. PUBLIC PARKING LOT IS OPEN DURING THIS PHASE.

PHASE 2B

COMPLETION OF ANNEX REMOVAL, CONSTRUCTION OF EXISTING STATION RENOVATION AND PERIMETER SITEWORK. CONSTRUCT REAR PLAZA AND SIDEWALK AREAS. CONSTRUCT SALLYPORT AND ROUGH GRADE IN PROP. MICRO-BIORETENTION FACILITY MAINTAIN TEMPORARY PAVING TIE-INS TO EXISTING DRIVEWAY ENTRANCE AND REAR PARKING LOT. POLICE VEHICULAR ACCESS IS VIA TEMPORARY ROAD. CONSTRUCTION TRAFFIC AND PUBLIC VEHICULAR ACCESS IS PROVIDED BY EXISTING DRIVEWAY. PUBLIC PARKING LOT IS OPEN DURING THIS PHASE.

PHASE 2C

COMPLETION OF NEW CURB AND PAVING AROUND EXISTING ISLANDS. DEMOLISH AND REBUILD DRIVEWAY ENTRANCE. COMPLETE ALL UTILITY WORK. STABILIZE ALL AREAS AND COMPLETE PAVING TIE-INS. POLICE VEHICULAR ACCESS IS VIA TEMPORARY ROAD. CONSTRUCTION TRAFFIC IS PROVIDED BY EXISTING DRIVEWAY. LIMITED ON-SITE PUBLIC PARKING THIS PHASE.

PHASE 2D

REMOVE TEMPORARY ACCESS DRIVE. BUILD SOUTH PARKING BAY AND RESTORE AND STABILIZE ALL SLOPES AND DISTURBED AREAS. COMPLETE ALL CURB AND GUTTER WORK. DRIVEWAY TIE-IN AT MARLYN AVENUE. MILL 1" OF PAVING FROM BASE PAVING AND INSTALL 2" NEW PAVING SURFACE. COMPLETE MICRO-BIORETENTION FACILITIES. FLUSH ALL STORM DRAINS. CONVERT TRAP TO SUBMERGED GRAVEL WETLAND.
ALL VEHICULAR ACCESS IS PROVIDED BY NEW DRIVEWAY. PUBLIC PARKING LOT IS OPEN DURING THIS PHASE.

LEGEND

APPROX. AREA OF CONSTRUCTION

NOTE:
PHASING DESCRIPTIONS SHOWN HEREON IS FOR INFORMATION PURPOSES ONLY. REFER TO THE BALTIMORE COUNTY APPROVED EROSION & SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION FOR ADDITIONAL INFORMATION. SEE SHEET CS.06.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

DATE: JULY 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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1"=30'
			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

ESSEX POLICE PRECINCT - 11

CONSTRUCTION PHASING PLAN

RENOVATION & ADDITION

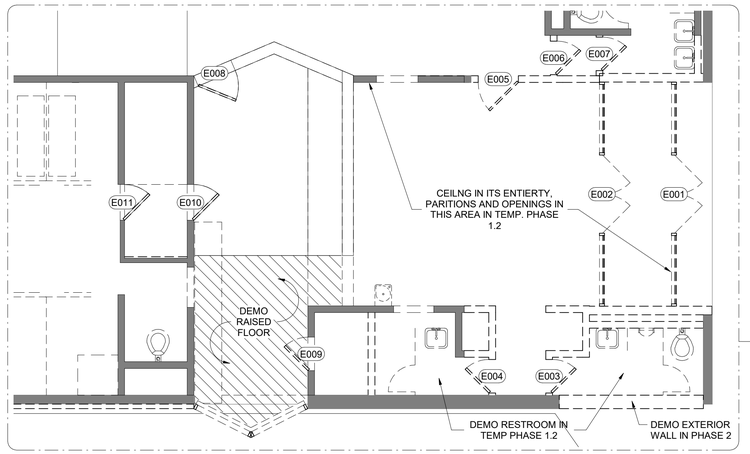
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

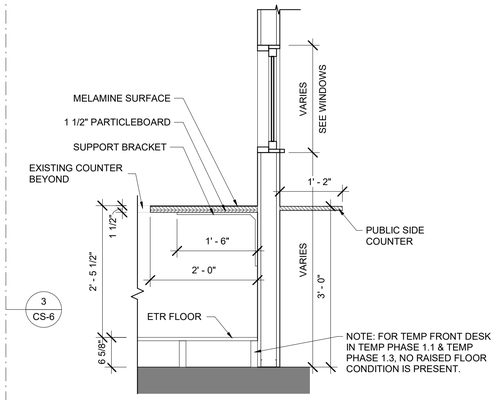
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
CS-5	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 05 OF 295	
DRAWING NUMBER	
2025-0896	
FILE NO.: 8	REV. 0

BALTIMORE COUNTY MARYLAND



1 DEMOLITION FLOOR PLAN - REFERENCE
3/16" = 1'-0"



2 TEMP. FRONT DESK COUNTER
3/4" = 1'-0"

TEMPORARY BUILDING PHASING REQUIREMENTS:

- IN ORDER TO PROVIDE CONTINUOUS OPERATIONS FOR THE PRECINCT AND CONTINUOUS PUBLIC ACCESS, A TEMPORARY BUILDING PHASE MODIFYING THE EXISTING SARGENT'S/FRONT DESK AND EXISTING LOBBY IS REQUIRED TO PROVIDE A NEW, TEMPORARY ADA ACCESSIBLE ENTRANCE FOR THE DURATION OF PHASE 1 WHICH INCLUDES WORK ON THE SITE AND CONSTRUCTION OF THE NEW BUILDING WING. SEE CS-6 & CS-7 TEMPORARY PHASING PLANS.

TEMP. BUILDING PHASE 1.1

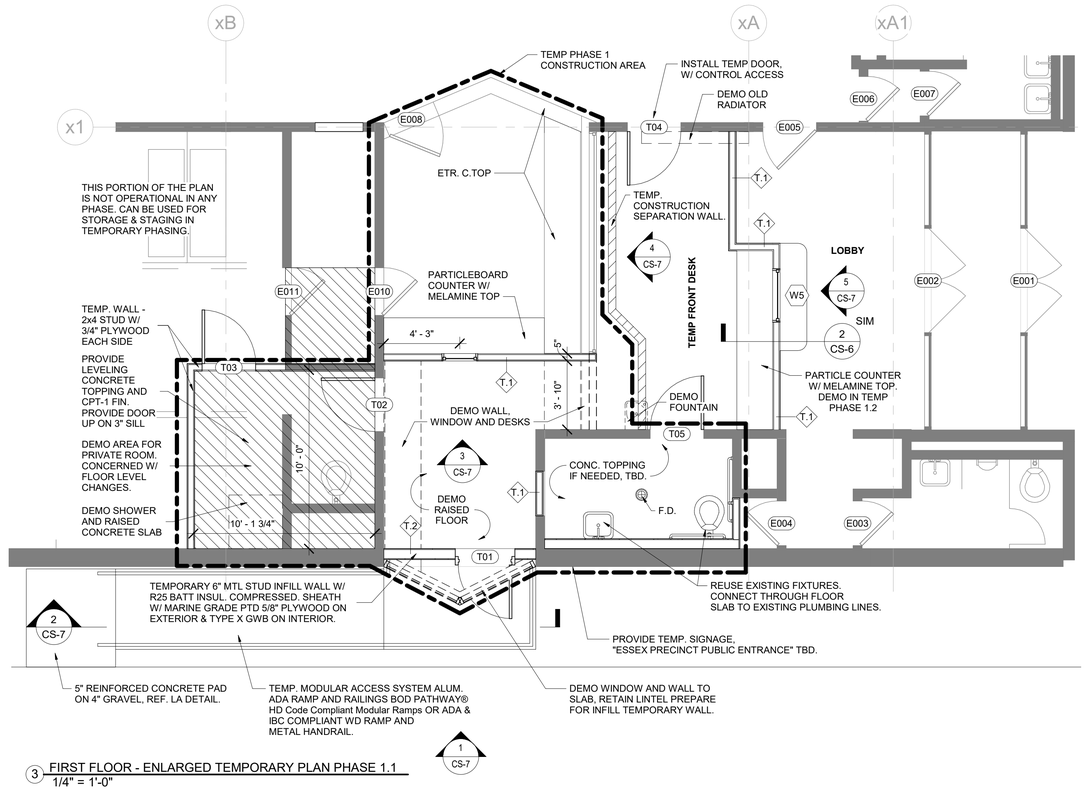
- TEMP. BUILDING PHASE 1.1 IS TO FIT OUT THE EXISTING LOBBY AREA WITH A TEMPORARY SECURE FRONT DESK THAT IS ACCESSIBLE FOR PUBLIC ACCESS FROM THE EXISTING LOBBY ENTRANCE. ONCE THE FRONT DESK IS RELOCATED AND A TEMPORARY CONSTRUCTION BARRIER IS INSTALLED TO ALL THE DEMOLITION AND FIT OUT OF THE TEMPORARY PHASE 1 CONSTRUCTION AREA.
- GC IS TO COORDINATE WITH THE OWNER, COUNTY OIT & THEIR VENDERS TO INSTALL/RELOCATE ACCESS CONTROL, CCTV, AV, AND DATA LINES.

TEMP. BUILDING PHASE 1.2

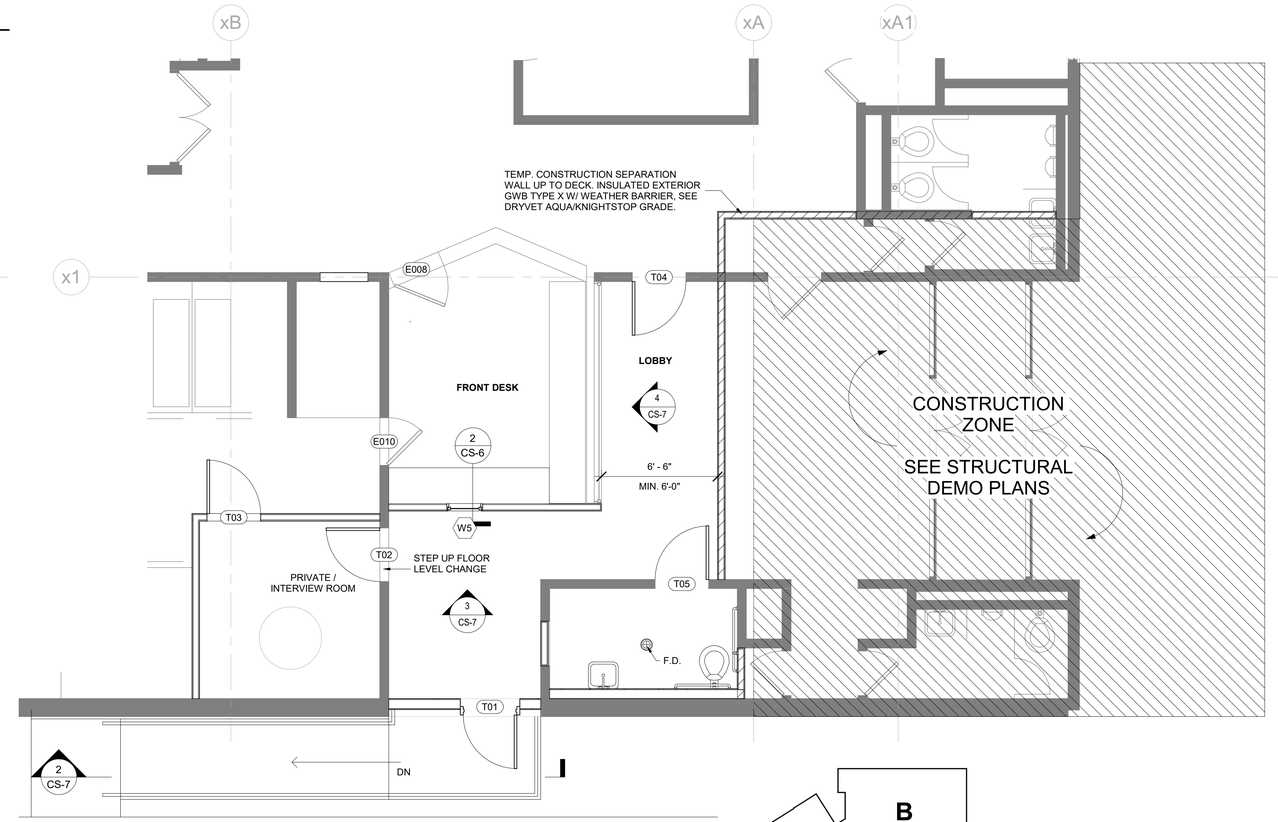
- TEMP. BUILDING PHASE 1.2 IS TO PROVIDE A PROTECTED AREA FOR CONSTRUCTION WHERE AN ENTIRE BAY OF STEEL ROOF JOISTS (SEE STRUCTURAL DEMOLITION ROOF FRAMING) ARE TO BE REMOVED. WORK IN THIS AREA WILL BE SCHEDULED WITH BUILDING PHASE 1 WHERE THE NEW AND OLD WINGS OF THE BUILDING ARE JOINED.
- TEMPORARY PHASE 1.2 MUST BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE NEW WING ADDITION. THE PUBLIC WILL USE THE EXISTING ENTRANCE FOR THE DURATION OF TEMP. PHASE 1.1. OIT & BCPM FURNITURE WILL NEED TO COORDINATE AND PROVIDE A TEMPORARY DESK AND TECH FOR APPROXIMATELY 1 MONTH FOR THE DURATION OF TEMP. PHASE 1.1 WHILE THE EXISTING SARGENT'S DESK IS MODIFIED, A NEW ENTRANCE DOOR AND PAVEMENT IS PROVIDED, AND A MEETING ROOM IS FITTED OUT (THIS INTERVIEW ROOM IS NOT REQUIRED AND MUST BE CONFIRMED BECAUSE OF THE SCOPE IMPACT). ONCE TEMP PHASE 1.1 IS COMPLETED THE GC SHALL COORDINATE WITH THE OWNER AND OIT TO RELOCATE THE FRONT DESK THAT WILL OPERATE UNTIL BUILDING PHASE 1 IS COMPLETED AND THE STAFF ARE MOVED INTO THE NEW WING OF THE BUILDING. THE FRONT DESK WILL TEMPORARILY BE LOCATED IN A NEW INTERVIEW ROOM IN TEMP PHASE 1.3

TEMP. BUILDING PHASE 1.3

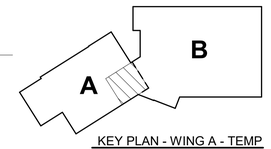
- TEMP. BUILDING PHASE 1.3 IS TO PROVIDE A TEMPORARY SECURE FRONT DESK IN THE COMPLETED NEW BUILDING WING WHILE THE EXISTING BUILDING IS RENOVATED.



3 FIRST FLOOR - ENLARGED TEMPORARY PLAN PHASE 1.1
1/4" = 1'-0"



4 FIRST FLOOR - ENLARGED TEMPORARY PLAN PHASE 1.2
1/4" = 1'-0"



KEY PLAN - WING A - TEMP

C:\Users\dhay\Documents\22139A1 - BC OC Essex Police Station D3J_dhayQZA1N8.rvt

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4825 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-4825 voice 717-843-2448 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
CS-6	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 06 OF 295
	DRAWING NUMBER
	2025-897
	FILE NO.: 8

SEAL — ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025
DATE: JULY 14, 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
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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

TEMPORARY PHASING PLANS

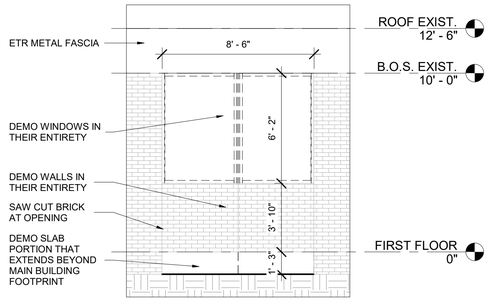
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

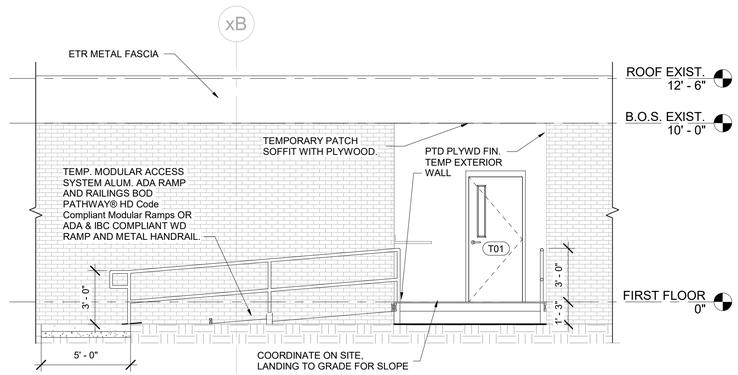
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ELECTION DIST. NO.: 15C7

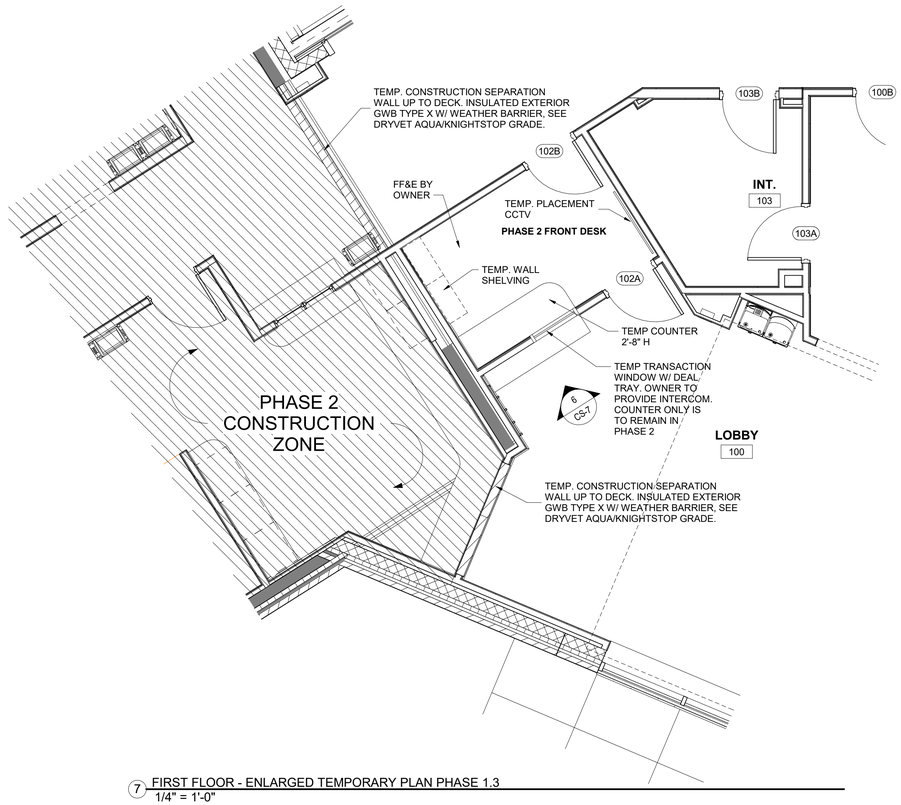
BALTIMORE COUNTY MARYLAND



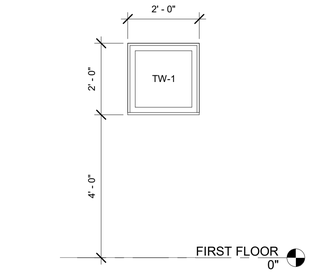
1 TEMPORARY PHASE - EXTERIOR WINDOW DEMO ELEVATION - PHASE 1.1
1/4" = 1'-0"



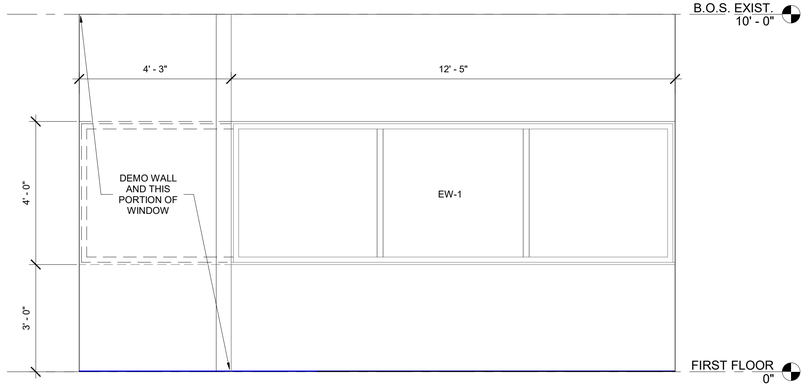
2 TEMPORARY PHASE - EXTERIOR RAMP SECTION - PHASE 1.1
1/4" = 1'-0"



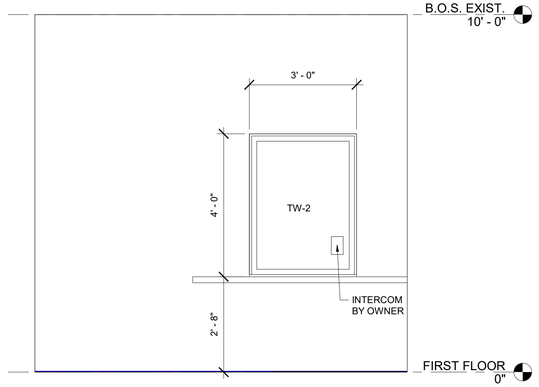
7 FIRST FLOOR - ENLARGED TEMPORARY PLAN PHASE 1.3
1/4" = 1'-0"



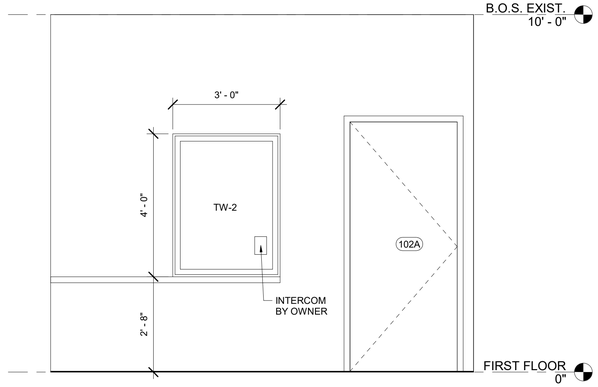
3 TEMPORARY INTERIOR WINDOW - TW-1 - PHASE 1.1
1/2" = 1'-0"



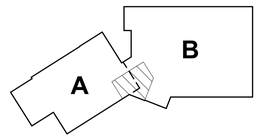
4 EXISTING INTERIOR WINDOW MODIFY PORTION - EW-1 - PHASE 1.1
1/2" = 1'-0"



5 TEMPORARY INTERIOR WINDOW - TW-2 - PHASE 1.1
1/2" = 1'-0"



6 TEMPORARY INTERIOR WINDOW - TW-2 - PHASE 1.3
1/2" = 1'-0"



KEY PLAN - WING B - TEMP

TEMPORARY DOOR SCHEDULE

MARK	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	DIMENSIONS THICK NESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR FRAME TYPE	DOOR FRAME MATERIAL	DOOR FRAME FINISH	CONSTRUCTION DETAILS HEAD	CONSTRUCTION DETAILS JAMB	CONSTRUCTION DETAILS SILL	FUNCTION	FIRE RATING	COMMENTS
T01	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S1		1 HR	TEMPORARY
T02	3' - 0"	7' - 0"	1 3/4"	H	WD	WD - 1	FR-1	HM	PTD HM	H4	J4	S1			TEMPORARY
T03	3' - 0"	7' - 0"	1 3/4"	H	WD	WD - 1	FR-1	HM	PTD HM	H4	J4	S1			TEMPORARY
T04	3' - 0"	7' - 0"	1 3/4"	H	WD	WD - 1	FR-1	HM	PTD HM	H4	J4	S1			TEMPORARY
T05	3' - 0"	7' - 0"	1 3/4"	H	WD	WD - 1	FR-1	HM	PTD HM	H4	J4	S1			TEMPORARY

SEE SHEET A-603 AND A-604 FOR DOOR TYPES AND DETAILS.

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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. | ISW | 7NE28 7NE29 8NE28 8NE29 | PLAN SCALE: As indicated | APPROVED BY:

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

ESSEX POLICE PRECINCT - 11

TEMPORARY PHASING PLANS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

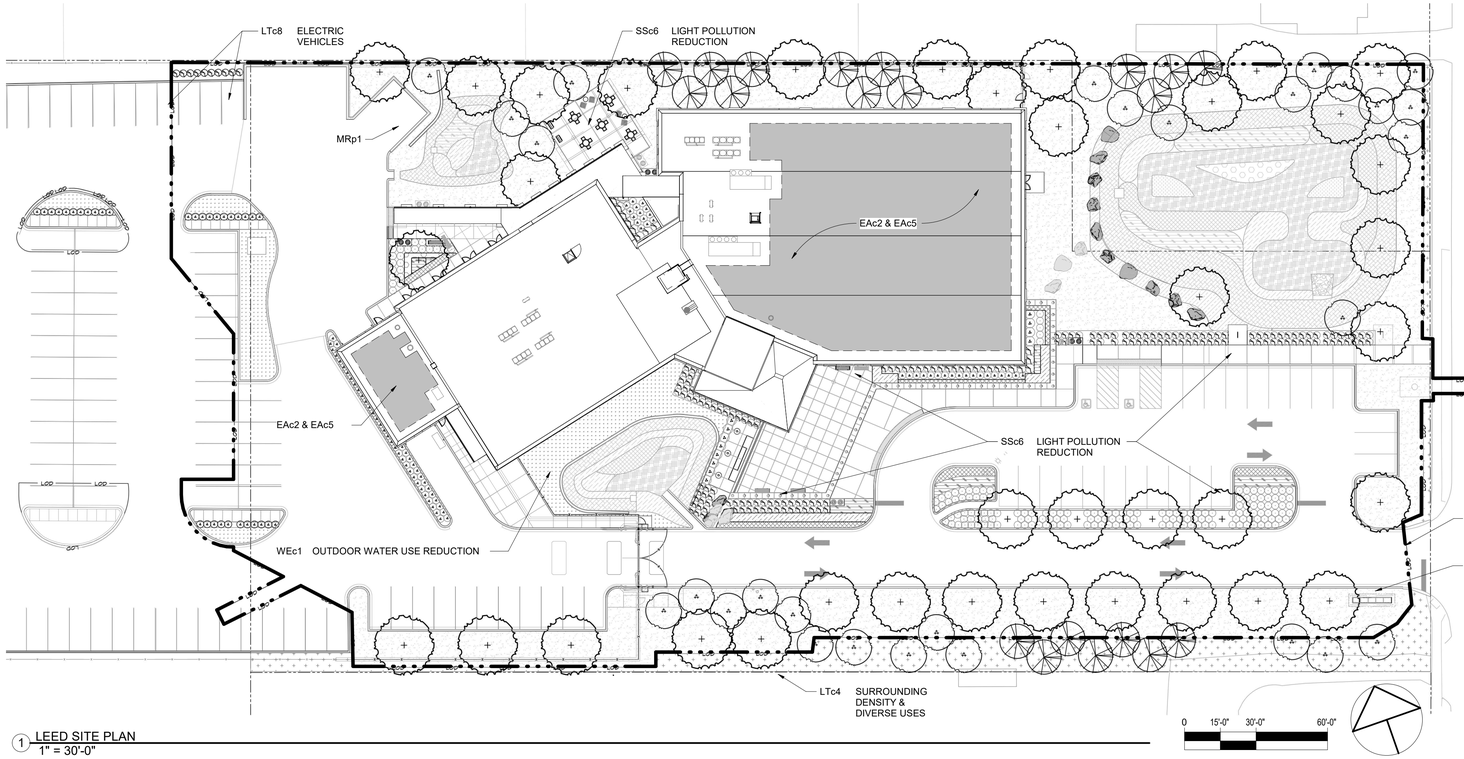
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4833 voice 410-625-4914 fax
229 West Market Street, York, Pennsylvania 17401
717-848-4827 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
CS-7	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 07 OF 295
	DRAWING NUMBER
	2025-898
	FILE NO.: 8 REV. 03/22

BALTIMORE COUNTY MARYLAND

DWG FILENAME: C:\Users\dhay\Documents\22139341 - BC OC Essex Police Station D3_dhayQZANS.rvt



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

SITE CREDITS

LTc2	SENSITIVE LAND PROTECTION
LTc4	SURROUNDING DENSITY & DIVERSE USES
LTc7	REDUCED PARKING FOOTPRINT
LTc8	ELECTRIC VEHICLES
SSc2	PROTECT OR RESTORE HABITAT
SSc6	LIGHT POLLUTION REDUCTION
MRp1	STORAGE & COLLECTION OF RECYCLABLES
WEc1	OUTDOOR WATER USE REDUCTION
EAc5	RENEWABLE ENERGY

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

Project Scorecard

Y	?Y	?N	N		Project Information Form		
Y				PIF1	**Project Information**		

Y	?Y	?N	N		Integrative Process	Possible Points	1
1				IPc1	**Integrative Process**	[v4.1]	1

Y	?Y	?N	N		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
2			3	LTc4	**Surrounding Density and Diverse Uses**		5
		2	3	LTc5	**Access to Quality Transit**	[v4.1]	5
			1	LTc6	**Bicycle Facilities**	[v4.1]	1
2				LTc7	**Reduced Parking Footprint +1**	[v4.1] [RP]	1
1				LTc8	**Electric Vehicles**		1

Y	?Y	?N	N		Sustainable Sites	Possible Points	10
Y				SSp1	**Construction Activity Pollution Prevention**		
1				SSc1	**Site Assessment**		1
1			1	SSc2	**Protect or Restore Habitat**	[v4.1]	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

Y	?Y	?N	N		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
6		1		WEc2	**Indoor Water Use Reduction**	[RP]	6
			2	WEc3	**Optimize Process Water Use**	[v4.1]	2
			1	WEc4	**Water Metering**		1

Y	?Y	?N	N		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**		6
6		2	10	EAc2	**Optimize Energy Performance**		18
1				EAc3	**Advanced Energy Metering**		1
			2	EAc4	**Grid Harmonization**	[v4.1] [RP]	2
2		1	2	EAc5	**Renewable Energy**	[v4.1]	5
			1	EAc6	**Enhanced Refrigerant Management +1**	[RP]	1

Y	?Y	?N	N		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
1		1		MRc3	**Sourcing of Raw Materials**	[v4.1]	2
1	1			MRc4	**Material Ingredients**	[v4.1]	2
2				MRc5	**Construction and Demolition Waste Management**		2

Y	?Y	?N	N		Indoor Environmental Quality	Possible Points	16
Y				EQp1	**Minimum IAQ Performance**		
Y				EQp2	**Environmental Tobacco Smoke Control**		
2				EQc1	**Enhanced Indoor Air Quality Strategies**	[v4.1]	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

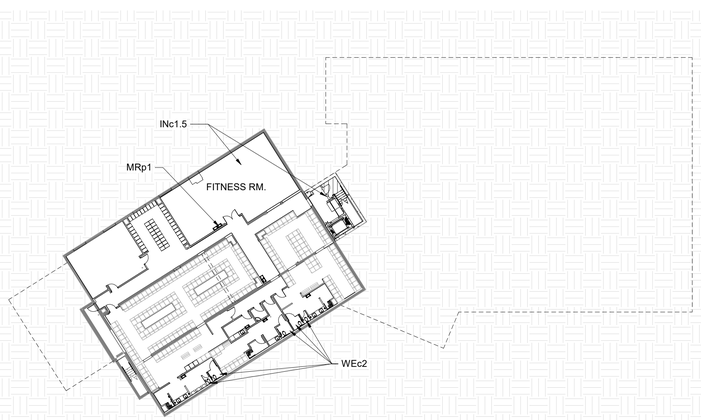
Y	?Y	?N	N		Innovation	Possible Points	6
1				INc1.1	**Green Building Education**		1
1				INc1.2	**Purchasing: Lamps**		1
1				INc1.3	**Pilot Credit: Social Equity**		1
1				INc1.4	**LEED O+M Starter Kit**		1
1				INc1.5	**MRc2 or MRc4 EP**		1
1				INc2	**LEED Accredited Professional**		1

55		8	47	**Total**		Possible Points	110

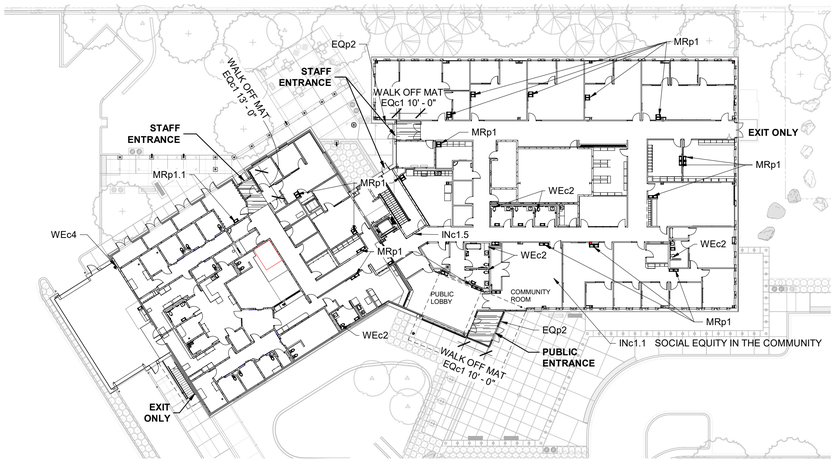
Certified 40 to 49 points **Silver 50 to 59 points** Gold 60 to 79 points Platinum 80 to 110 points

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

Design Credits/Construction Credits



2 BASEMENT FLOOR PLAN - LEED
1" = 30'-0"



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

0 15'-0" 30'-0" 60'-0"

0 5'-4" 10'-8" 21'-4"

BASEMENT & FIRST FLOOR PLAN CREDITS

WEc2	INDOOR WATER USE REDUCTION
WEc4	WATER METERING
EAc2	OPTIMIZE ENERGY PERFORMANCE
EAc3	ADVANCED ENERGY METERING
MRp1	STORAGE & COLLECTION OF RECYCLABLES
MRp1.1	E-WASTE BATTERIES & MERCURY LAMPS
EQp2	TOBACCO SMOKE CONTROL
INc1.1	SOCIAL EQUITY IN THE COMMUNITY
INc1.1	GREEN EDUCATION SIGNAGE (SEE SIGNAGE PLANS)
INc1.5	DESIGN FOR ACTIVE OCCUPANTS

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4914 fax
228 West Market Street, York, Pennsylvania 17401
717-848-8827 voice 717-843-3449 fax

DWG. FILENAME: C:\Users\jat\Documents\22139A1 - BC OC Essex Police Station D3_jatDC2VC.rvt

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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

BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

LEED SITE PLAN

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
CS-8	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 08 OF 295
	DRAWING NUMBER
	2025-899
	FILE NO.: 8

REV. 09/02

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 NOVEMBER 2022. SUBSURFACE UTILITY LOCATION PERFORMED BY AI DATA IN OCTOBER 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 NOVEMBER 2022.
5. CONTRACTOR SHALL SECURE THE CONSTRUCTION AREA AT THE END OF EACH WORKING DAY AND WILL INSPECT THE SECURITY FENCING TO ENSURE ITS INTEGRITY.
6. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES AT ALL TIMES.
8. ADJUST TOP OF CURB GRADES TO PROVIDE SMOOTH TRANSITION.
9. SAWCUT EXISTING PAVING AS NEEDED TO INSTALL NEW CONSTRUCTION.
10. STRIP & RESURFACE EXISTING PAVING AS NEEDED TO PROVIDE SMOOTH TRANSITION TO EX. SURFACE.
11. 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.
12. 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.
13. 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.
14. 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.
15. STRUCTURAL FILL IN BUILDING AREAS SHALL BE PLACED IN HORIZONTAL, EIGHT-INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T-180, STANDARD PROCTOR. STRUCTURAL FILL PLACED IN PAVEMENT AREAS SHALL BE PLACED IN HORIZONTAL EIGHT-INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO 97 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T-180, STANDARD PROCTOR. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
16. 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.
17. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST BALTIMORE COUNTY STANDARD DETAILS AND SPECIFICATIONS AND ALL REVISIONS THERETO, UNLESS OTHERWISE NOTED.
18. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO SWALES AND/ OR STORM DRAIN SYSTEMS AT ALL TIMES.
19. ALL NEW CONCRETE SHALL BE SHA MIX NO. 3, 3,500 PSI (MIN.) AT 28 DAYS UNLESS NOTED OTHERWISE.
20. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK SHOWN ON THESE DRAWINGS UNLESS OTHERWISE NOTED.
21. SEE STRUCTURAL AND ARCHITECTURAL PLANS FOR SIZE AND LOCATIONS OF TURNED DOWN SLABS AT EXTERIOR DOORS.
22. ALL WORK IDENTIFIED AS PUBLIC AND PRIVATE ON THESE PLANS SHALL BE COMPLETED BY THE CONTRACTOR.
23. 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.
24. CONTRACTOR SHALL COORDINATE WITH BUILDING OPERATIONS STAFF TO RELOCATE TRASH AND RECYCLING DUMPSTERS DURING AND BETWEEN EACH CONSTRUCTION PHASE AS REQUIRED TO PROVIDE COUNTY TRASH TRUCK ACCESS

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.
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.
16. PAVING REPAIR SHALL BE IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD DETAIL R-38.

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. PECIFICATION 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 THOROGHFARES.
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. ALL VALVES SHALL BE IN STANDARD CONCRETE VAULTS IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD DETAILS.

INDEX OF SHEETS

SHEET#	DWG.#	SHEET TITLE
2025-0900	C1.00	GENERAL NOTES
2025-0901	C1.01	EXISTING CONDITIONS PLAN
2025-0902	C2.00	OVERALL DEMOLITION PLAN
2025-0903	C2.01	DEMOLITION PLAN - PHASE 1
2025-0904	C2.02	DEMOLITION PLAN - PHASE 2
2025-0905	C3.00	SITE AND GRADING PLAN
2025-0906	C4.00	SITE DETAILS
2025-0907	C4.01	SITE DETAILS
2025-0908	C4.02	SITE DETAILS
2025-0909	C5.00	STRIPING AND SIGNAGE PLAN
2025-0910	C5.01	PAVING PLAN
2025-0911	C6.00	GEOMETRY PLAN
2025-0912	C7.00	UTILITY PLAN
2025-0913	C7.01	STORM DRAIN DRAINAGE AREA MAP
2025-0914	C7.02	UTILITY PROFILES
2025-0915	C7.03	UTILITY PROFILES
2025-0916	C8.00	EROSION AND SEDIMENT CONTROL PLAN - PHASE 1A
2025-0917	C8.01	EROSION AND SEDIMENT CONTROL PLAN - PHASE 1B
2025-0918	C8.02	EROSION AND SEDIMENT CONTROL PLAN - PHASE 2A
2025-0919	C8.03	EROSION AND SEDIMENT CONTROL PLAN - PHASE 2B
2025-0920	C8.04	EROSION AND SEDIMENT CONTROL DETAILS
2025-0921	C8.05	EROSION AND SEDIMENT CONTROL DETAILS
2025-0922	C8.06	EROSION AND SEDIMENT CONTROL NOTES
2025-0923	C8.07	EROSION AND SEDIMENT CONTROL NOTES
2025-0924	C8.08	EROSION & SEDIMENT DA MAP - PHASE 1A EXISTING
2025-0925	C8.09	EROSION & SEDIMENT DA MAP - PHASE 1A INTERIM
2025-0926	C8.10	EROSION & SEDIMENT DA MAP - PHASE 1A FINAL
2025-0927	C8.11	EROSION & SEDIMENT DA MAP - PHASE 1B EXISTING
2025-0928	C8.12	EROSION & SEDIMENT DA MAP - PHASE 1B INTERIM
2025-0929	C8.13	EROSION & SEDIMENT DA MAP - PHASE 1B FINAL
2025-0930	C8.14	EROSION & SEDIMENT DA MAP - PHASE 2A EXISTING
2025-0931	C8.15	EROSION & SEDIMENT DA MAP - PHASE 2A INTERIM
2025-0932	C8.16	EROSION & SEDIMENT DA MAP - PHASE 2A FINAL
2025-0933	C8.17	EROSION & SEDIMENT DA MAP - PHASE 2B EXISTING
2025-0934	C8.18	EROSION & SEDIMENT DA MAP - PHASE 2B INTERIM
2025-0935	C8.19	EROSION & SEDIMENT DA MAP - PHASE 2B FINAL
2025-0936	C8.20	EROSION & SEDIMENT DA MAP - OFF-SITE DIVERSION
2025-0937	C9.00	NATURAL RESOURCES PLAN
2025-0938	C9.01	EXISTING IMPERVIOUS AREA MAP
2025-0939	C9.02	PROPOSED IMPERVIOUS AREA MAP
2025-0940	C9.03	ENVIRONMENTAL SITE DESIGN PLAN
2025-0941	C9.04	EXISTING QUANTITY DRAINAGE AREA MAP
2025-0942	C9.05	PROPOSED QUANTITY DRAINAGE AREA MAP
2025-0943	C9.06	MICRO-BIORETENTION FACILITY #1
2025-0944	C9.07	MICRO-BIORETENTION FACILITY #2
2025-0945	C9.08	SUBMERGED GRAVEL WETLAND FACILITY #1
2025-0946	C9.09	SUBMERGED GRAVEL WETLAND PROFILES & DETAILS
2025-0947	C9.10	STORMWATER MANAGEMENT DETAILS
2025-0948	C9.11	STORMWATER MANAGEMENT NOTES & DETAILS
2025-0949	C9.12	STORMWATER MANAGEMENT BORINGS
2024-3872	C10.00	PUBLIC WATER METER PLAN & PROFILE
2024-3873	C10.01	PUBLIC METER ABANDONMENT PLAN

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER · 7.11.25

DATE: JULY 11, 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. 25058 EXPIRATION DATE 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				ISW	7NE28 7NE29 8NE28 8NE29
CONTRACT COMPLETION BOX			R.O.W NO.		

DRAWING SCALE: PLAN SCALE: N/A; PROFILE SCALE: N/A; N/A

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

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

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

GENERAL NOTES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

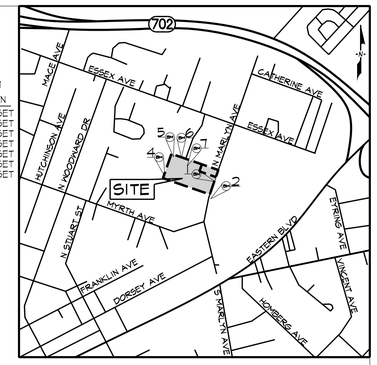
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C1.00	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 09 OF 295
	DRAWING NUMBER
	2025-0900
	FILE NO.: 8

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601007.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601266.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601420.5689	1,463,041.4854	36.10	REBAR+CAP SET
6	601409.8757	1,463,127.7953	36.14	REBAR+CAP SET
7	601309.8603	1,463,184.2642	35.07	REBAR+CAP SET

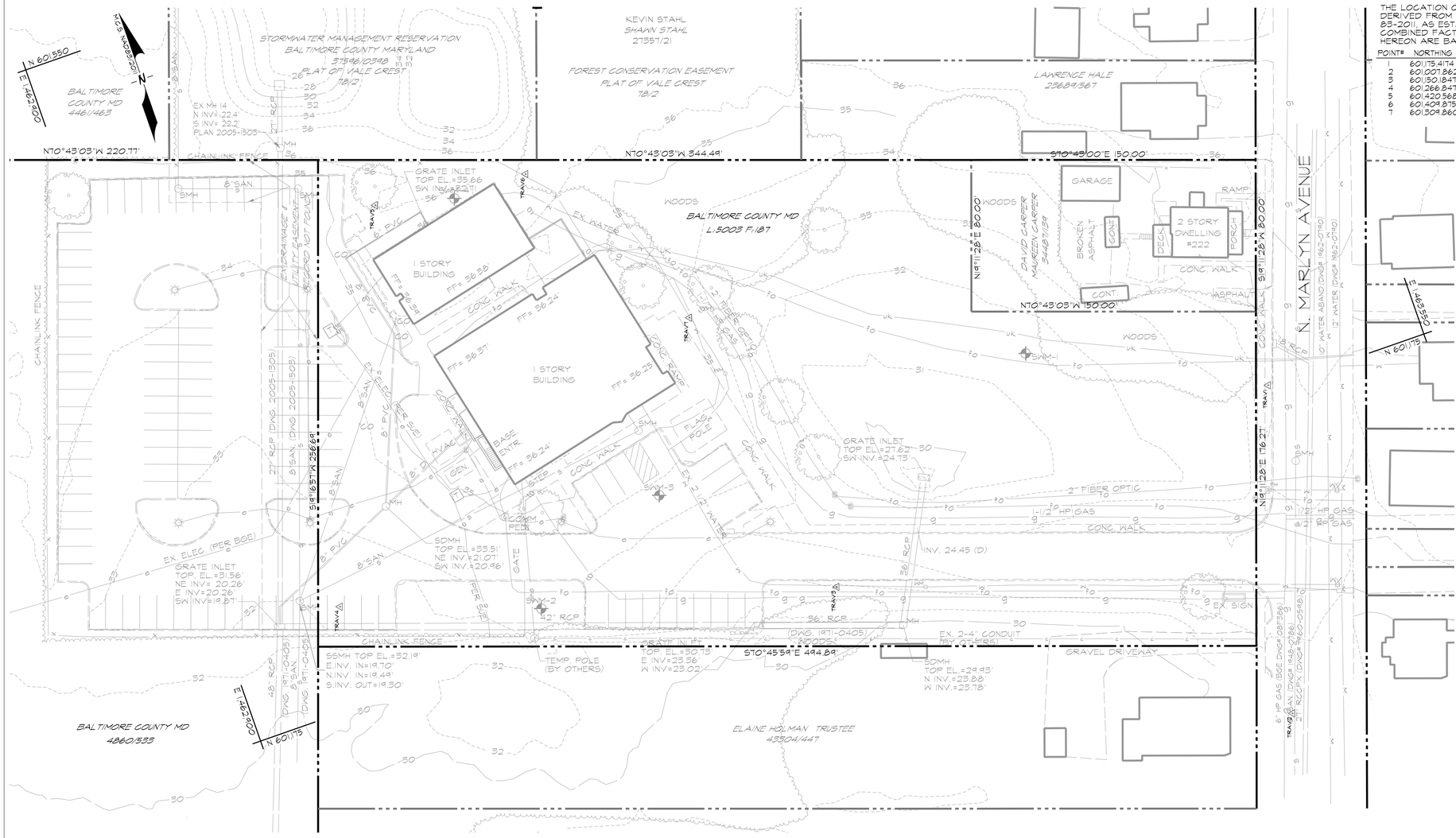


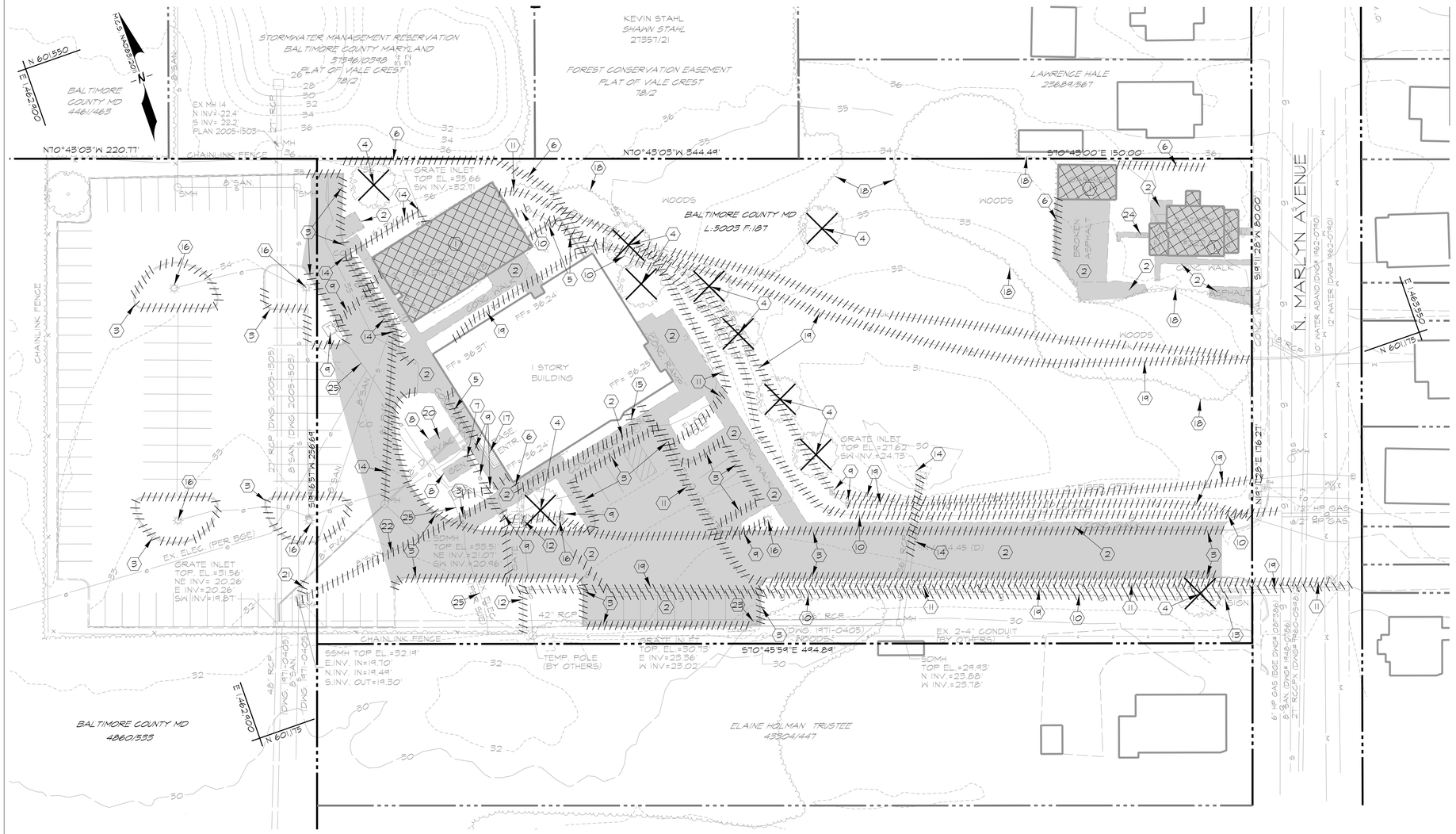
VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 EX. INDEX CONTOUR
- 31 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- to EX. COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- uk EX. UNKNOWN UTILITY
- 8" SAN. EX. SANITARY SEWER
- 15" RCP EX. STORM DRAIN
- 2-1/2" 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. LIGHT POLE
- T EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- GEN. EX. GENERATOR


STORMWATER MANAGEMENT RESERVATION
BALTIMORE COUNTY MARYLAND
375946/0398
PLAT OF VALE CREST
78/2
KEVIN STAHL
SHAWN STAHL
21357/21
FOREST CONSERVATION EASEMENT
PLAT OF VALE CREST
78/2
LAWRENCE HALE
25689/567
BALTIMORE COUNTY MD
446/463
N 601,550
E 1,462,200
N70°43'03"W 220.77'
N70°43'03"W 344.49'
S70°45'00"E 150.00'
EX MH 14
N INV= 22.4'
S INV= 22.2'
PLAN 2005-1503
CHAIN LINK FENCE
GRATE INLET
TOP EL.=35.66
SW INV=32.27'
1 STORY
BUILDING
FF= 36.38
FF= 36.24
FF= 36.51
FF= 36.25
FF= 36.24
CONC WALK
CONC RAMP
FLAG POLE
GEN.
BASE ENTR.
LIGHT
WOODS
BALTIMORE COUNTY MD
L:5003 F:187
EX WATER
2" FIBER OPTIC
1-1/2" HP GAS
CONC WALK
GRATE INLET
TOP EL.=27.62'
SW INV.=24.73'
INV. 24.45 (D)
36" RCP
EX. 2-4" CONDUIT
(NOT TO SCALE)
EX. SIGN
GRAVEL DRIVEWAY
SDMH
TOP EL.=29.93'
N INV.=23.88'
W INV.=23.78'
S70°45'59"E 494.84'
GARAGE
BROKEN ASPHALT
CONC.
DECK
2 STORY
DWELLING
#222
PORCH
RAMP
CONC. WALK
CONT.
ASPHALT
DAVID CARTER
MAUREEN CARTER
34467/154
N19°11'28"E 80.00'
S19°11'28"W 80.00'
N19°11'28"E 176.27'
N. MARLYN AVENUE
10" WATER ABAND (DWGS 1962-0730)
12" WATER (DWGS 1962-0730)
E 1,463,550
N 601,175
SDMH
TOP EL.=33.51'
NE INV.=21.07'
SW INV.=20.96'
GRATE INLET
TOP EL.=31.56'
NE INV.= 20.26'
E INV.=20.26'
SW INV=19.87'
EX. ELEC. (PER BGE)
27" RCP (DWG 2005-1505)
8"SAN (DWG 2005-1505)
S64°16'57"W 256.64'
EX MH 13
INV=19.64
EX MH 12
INV=19.64
SMH
FLARE END SECT.
SMH-2
42" RCP
SMH-1
SMH-3
TRAV.
EX. 2-1/2" WATER
EX. 8" GAS
EX. 8" ELEC.
EX. 8" COMM.
EX. 8" SAN.
EX. 8" CO
EX. 8" W
EX. 8" GAS
EX. 8" UK
EX. 8" TO
EX. 8" OHE
EX. 8" E
EX. 8" G
EX. 8" W



OVERALL DEMOLITION PLAN

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED

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
7. EX. GENERATOR TO BE RELOCATED. SEE ELECTRICAL PLANS
8. EX. CONCRETE PAD TO BE REMOVED
9. EX. ELECTRICAL/COMMUNICATIONS LINE AND/OR STRUCTURES TO BE REMOVED
10. EX. GAS SERVICE TO BE REMOVED
11. EX. WATER LINE AND/OR STRUCTURES TO BE REMOVED
12. EX. GATE TO BE REMOVED
13. EX. SIGN AND FOUNDATION TO BE REMOVED
14. EX. STORM DRAIN AND/OR STRUCTURE TO BE REMOVED
15. EX. SANITARY SEWER AND/OR STRUCTURE TO BE REMOVED
16. EX. LIGHT POLE & BASE TO BE REMOVED
17. EX. CONCRETE STAIRS TO BE REMAIN
18. EX. TREELINE TO BE REMOVED
19. EX. FIBER OPTICS LINE TO BE REMOVED / ABANDONED AS REQUIRED
20. EX. HVAC UNIT TO BE REMOVED AND RELOCATED - SEE SPECIFICATIONS
21. CUT EX. 8" SANITARY SEWER 3' BEYOND EXISTING MANHOLE. CAP BOTH ENDS. PORTION OF PIPE FROM EX. ANNEX BUILDING TO BE FILLED WITH FLOWABLE FILL
22. REMOVE AND REPLACE EX. SANITARY SEWER. SEE UTILITY PLAN
23. REMOVE EXISTING FRAME AND GRATE ON EXISTING INLET. PROVIDE AND INSTALL SOLID CONCRETE SLAB COVER
24. EX. RAMP / STAIRS TO BE REMOVED
25. EX. ELECTRICAL SERVICE TO REMAIN. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION

NOTES:
1. FOR DEMOLITION NOTES SEE SHEET C1.00.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

DATE: 7.29.25 (JULY 29, 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM | DWN BY: SG | CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | 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

ESSEX POLICE PRECINCT - 11

OVERALL DEMOLITION PLAN

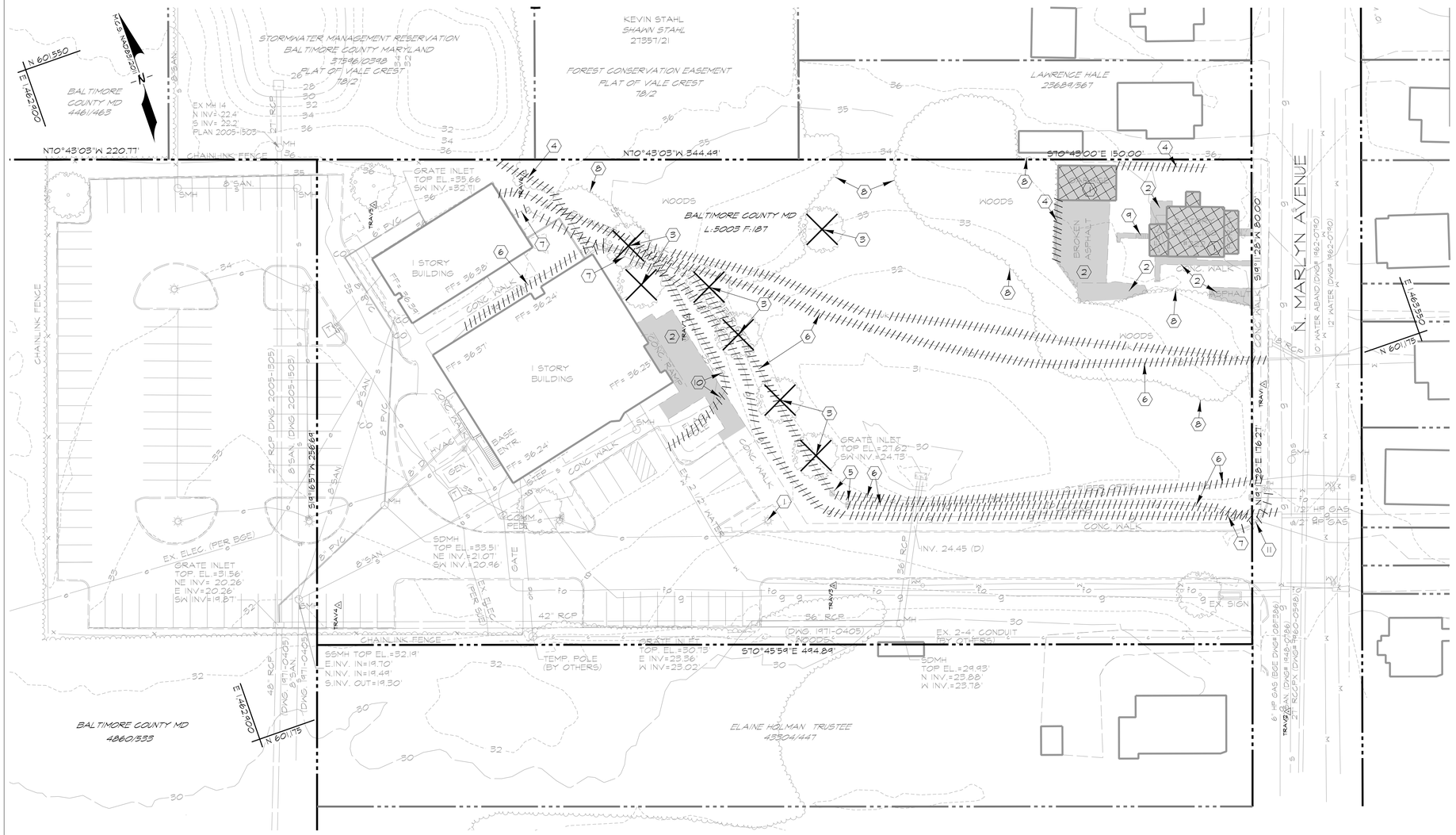
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C2.00	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 11 OF 295	
DRAWING NUMBER	2025-0902
FILE NO.: 8	REV. 2/22



LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED

DEMOLITION KEY

1. EX. LIGHT POLE & BASE TO BE REMOVED
2. EX. PAVING & SIDEWALK TO BE REMOVED
3. EX. TREE / BUSH TO BE REMOVED (TYP.)
4. EX. FENCE & FOOTERS TO BE REMOVED
5. EX. ELECTRICAL/COMMUNICATIONS LINE AND/OR STRUCTURES TO BE REMOVED
6. EX. FIBER OPTIC LINES TO BE REMOVED
7. EX. GAS SERVICE TO BE REMOVED
8. EX. TREELINE TO BE REMOVED
9. EX. RAMP / STAIRS TO BE REMOVED
10. EX. WATER LINE TO BE REMOVED
11. EX. CONCRETE CURB, SIDEWALK & ADA RAMP TO BE REMOVED AND REPLACED IN KIND

NOTES:
1. FOR DEMOLITION NOTES SEE SHEET C1.00.

DEMOLITION PLAN - PHASE 1

SCALE: 1" = 30'

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

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 7.29.25 (LAST REVISED)

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' ; 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

ESSEX POLICE PRECINCT - 11

DEMOLITION PLAN - PHASE 1

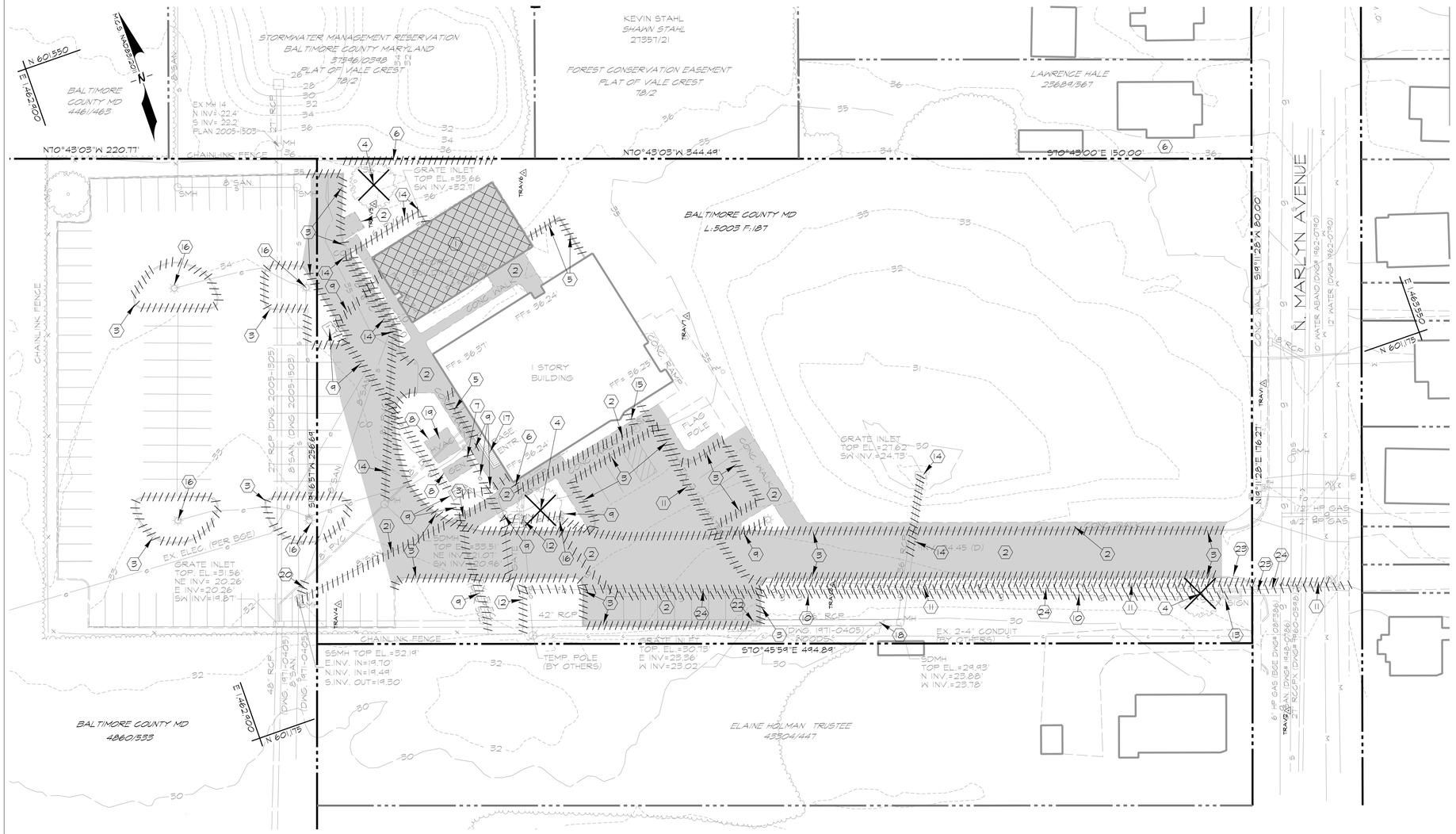
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C2.01	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 12 OF 295	
DRAWING NUMBER	2025-0903
FILE NO.: 8	



DEMOLITION PLAN - PHASE 2

SCALE: 1" = 30'

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

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" 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. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED
- APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED

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
7. EX. GENERATOR TO BE RELOCATED
8. EX. CONCRETE PAD TO BE REMOVED
9. EX. ELECTRICAL/COMMUNICATIONS LINE AND/OR STRUCTURES TO BE REMOVED
10. EX. GAS SERVICE TO BE REMOVED
11. EX. WATER LINE AND/OR STRUCTURES TO BE REMOVED
12. EX. GATE TO BE REMOVED
13. EX. SIGN AND FOUNDATION TO BE REMOVED
14. EX. STORM DRAIN AND/OR STRUCTURE TO BE REMOVED
15. EX. SANITARY SEWER AND/OR STRUCTURE TO BE REMOVED
16. EX. LIGHT POLE & BASE TO BE REMOVED
17. EX. CONCRETE STAIRS TO BE REMAIN
18. EX. TREELINE TO BE REMOVED
19. EX. HVAC UNIT TO BE REMOVED AND RELOCATED. SEE SPECIFICATIONS
20. CUT EX. 8" SANITARY SEWER 3' BEYOND EXISTING MANHOLE. CAP BOTH ENDS. PORTION OF PIPE FROM EX. ANNEX BUILDING TO BE FILLED WITH FLOWABLE FILL
21. REMOVE AND REPLACE EX. SANITARY SEWER. SEE UTILITY PLAN
22. REMOVE EXISTING FRAME AND GRATE ON EXISTING INLET. PROVIDE AND INSTALL SOLID CONCRETE SLAB COVER
23. EX. CONCRETE CURB, SIDEWALK & ADA RAMP TO BE REMOVED AND REPLACED IN KIND
24. EX. FIBER OPTICS LINE TO BE REMOVED / ABANDONED AS REQUIRED

NOTES:
1. FOR DEMOLITION NOTES SEE SHEET C1.00.

STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 7-24-25

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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' 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

ESSEX POLICE PRECINCT - 11

DEMOLITION PLAN - PHASE 2

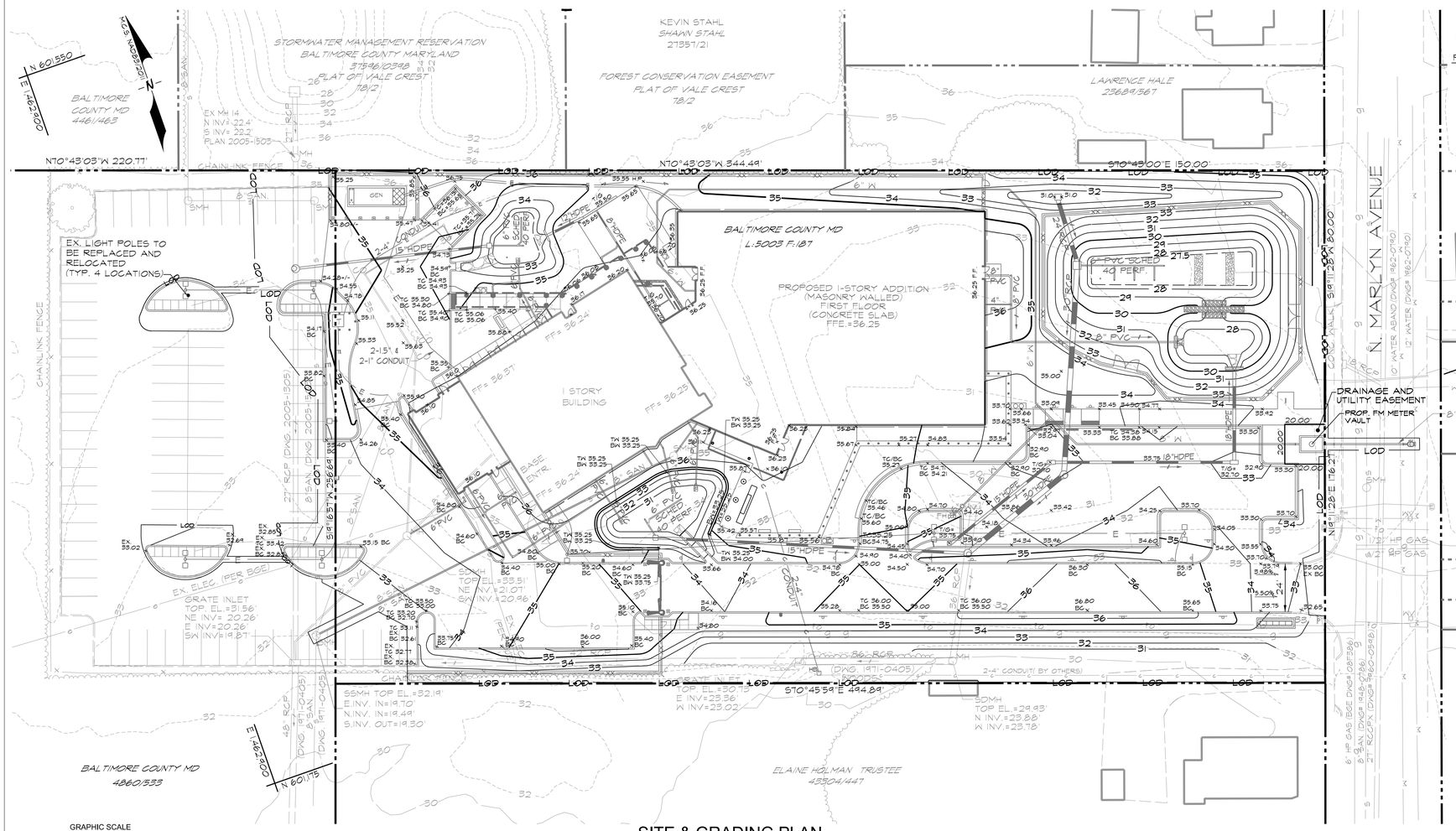
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C2.02	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 13 OF 295	
DRAWING NUMBER	
2025-0904	
FILE NO.: 8	REV. 07/22



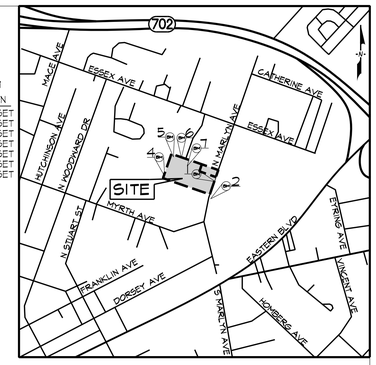
SITE & GRADING PLAN

SCALE: 1" = 30'

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601,007.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.3471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5689	1,463,041.4554	36.10	REBAR+CAP SET
6	601,409.8157	1,463,127.7455	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

SITE DATA

SITE ADDRESS:	216 N. MARLYN AVENUE ESSEX, MD 21221
OWNER:	BALTIMORE COUNTY, MD COURT HOUSE BALTIMORE, MD 21204
DEED REFERENCE:	LIBER: 5003 FOLIO: 187
PROPERTY REFERENCE:	MAP 90 GRID 21 PARCEL 833 NEIGHBORHOOD 31501.04
TAX ACCOUNT NO:	1502191029
TOTAL LOT/SITE AREA:	2.30 AC.
TOTAL LIMIT OF DISTURBANCE:	125,328 S.F. OR 2.88 AC.
ELECTION DISTRICT:	15TH DISTRICT
COUNCILMANIC DISTRICT:	7TH DISTRICT
EXISTING / PROPOSED USE:	POLICE STATION / POLICE STATION
ZONING:	DR 5.5 (DENSITY RESIDENTIAL)
SETBACKS:	FRONT 25 FEET; SIDE 20 FEET; REAR 30 FEET
CRITICAL AREA:	SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA
FLOODPLAIN INFORMATION:	THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN AND DELINEATED ON FEMA FLOOD INSURANCE RATE MAP 24003C0430G. THE SITE IS LOCATED IN ZONE X WHICH MEANS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. A REVIEW OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (DNR) MAPPING INDICATED THAT NO ONSITE WETLANDS OR STREAMS EXIST ON THE SITE.
WATERSHED:	SITE IS LOCATED WITHIN THE BACK RIVER WATERSHED

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	400 S.F. OR 0.009AC.
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.

GRADING GENERAL 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 ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
3. STORMWATER MANAGEMENT HAS BEEN ADDRESSED/APPROVED BY/ THROUGH ENVIRONMENTAL SITE DESIGN.
4. THERE SHALL BE NO CLEARING, GRADING OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT. FOREST BUFFER EASEMENT OR CRITICAL AREA EASEMENT EXCEPT AS PERMITTED BY DEPS.
5. HIGH VISIBILITY ORANGE SAFETY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD) WHEREVER THE LOD IS WITHIN 50 FEET OF ANY FOREST BUFFER, FOREST CONSERVATION, OR CRITICAL AREA EASEMENT. THIS FENCE SHALL BE INSPECTED AND APPROVED BY DEPS AT THE PRECONSTRUCTION MEETING.

LEGEND

PROPERTY LINE	EX. CLEANOUT
ADJACENT PROPERTY LINE	EX. LIGHT POLE
EX. INDEX CONTOUR	EX. ELEC. TRANSFORMER
EX. INTERMEDIATE CONTOUR	EX. TREE / BUSH
EX. CURB AND GUTTER	
EX. GAS MAIN	
EX. COMMUNICATION	LIMIT OF DISTURBANCE
EX. OVERHEAD ELECTRIC	PROP. INDEX CONTOUR
EX. ELECTRIC	PROP. INTERMEDIATE CONTOUR
EX. SANITARY SEWER	PROP. CONCRETE CURB & GUTTER
EX. STORM DRAIN	PROP. CONCRETE WALK
EX. WATER	PROP. WATER LINE
EX. FENCE	PROP. SANITARY SEWER
EX. WOODS LINE	PROP. STORM DRAIN
EX. WATER METER	PROP. MANHOLE
EX. WATER VALVE	PROP. COMMUNICATION CONDUIT
EX. FIRE HYDRANT	PROP. SITE LIGHTING.
EX. SANITARY MANHOLE	
EX. STORM DRAIN MANHOLE	

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.

SIGNATURE OWNER/DEVELOPER DATE

PRINT NAME TITLE

ENGINEER

MK CONSULTING ENGINEERS
MARIANNE K. CRAMPTON
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
667-309-6195
ADMIN@MKCENG.COM

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

APPROVED FOR GRADING

DATE

STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER

DATE: 7.11.25 JULY 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM DRN BY: SG CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' PROFILE SCALE: NA NA

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:							

STORMWATER MANAGEMENT REQUIRED

SHEET DESIGNATION	CONTRACT NUMBER
C3.00	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 14 OF 295	
DRAWING NUMBER	2025-0905
FILE NO.: 8	

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

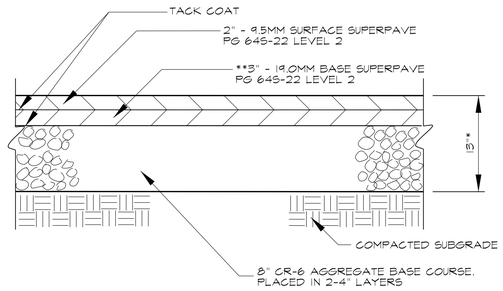
SITE & GRADING PLAN

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

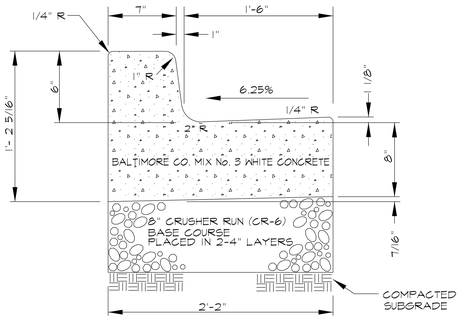
ELECTION DIST. NO.: 15C7



NOTES:

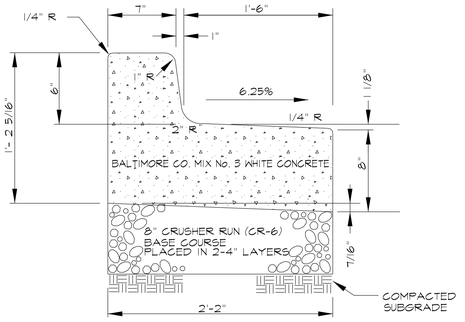
1. *THICKNESSES SHOWN ARE AFTER COMPACTION
2. **CONTRACTOR SHALL INSTALL 4" BASE COURSE DURING CONSTRUCTION AND COMPLETION OF BUILDING. AFTER SITE HAS BEEN FULLY STABILIZED AND READY FOR FINAL SURFACE PAVING, MILL 1" OF BASE COURSE AND INSTALL 2" SURFACE COURSE MEET PAVING SECTION SHOWN.

1 C4.00 PAVING DETAIL
NOT TO SCALE



STANDARD

SEE GRADING FOR LOCATIONS OF REVERSED GUTTER PANS

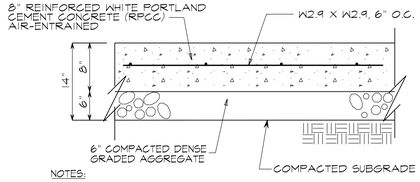


REVERSED

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.

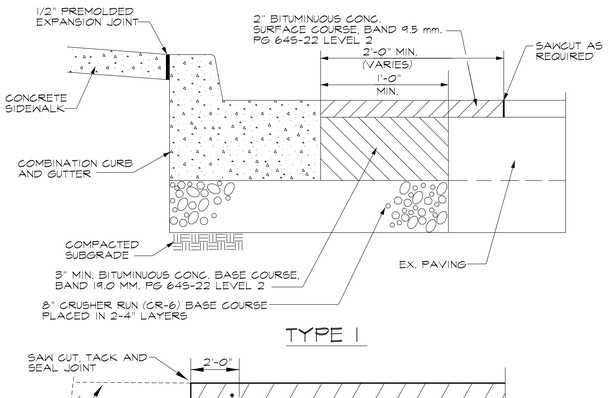
5 C4.00 CONCRETE CURB AND GUTTER
NOT TO SCALE



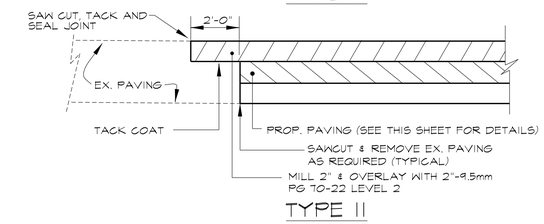
NOTES:

1. CONSTRUCTION AND EXPANSION JOINTS SHALL BE DOWELLED AT 10'-0" O.C. WITH AN 1/2" DIAMETER 16" LONG SMOOTH DOWELS (SLIP DOWELS WITH PLASTIC SLEEVES).
2. JOINT SPACING SHOULD NOT EXCEED 20' IN ANY HORIZONTAL DIRECTION.
3. MINIMUM COMPRESSION STRENGTH 4000psi.

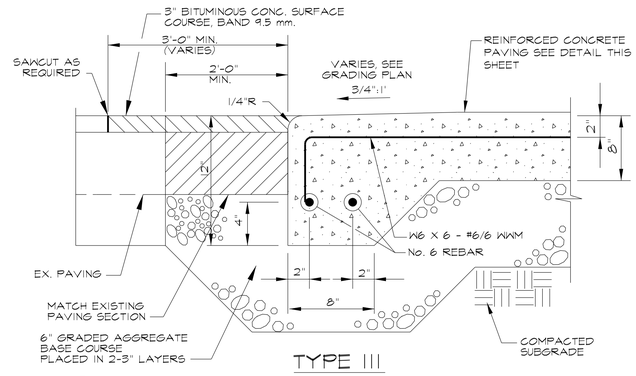
2 C4.00 REINFORCED CONCRETE PAVING
NOT TO SCALE



TYPE I

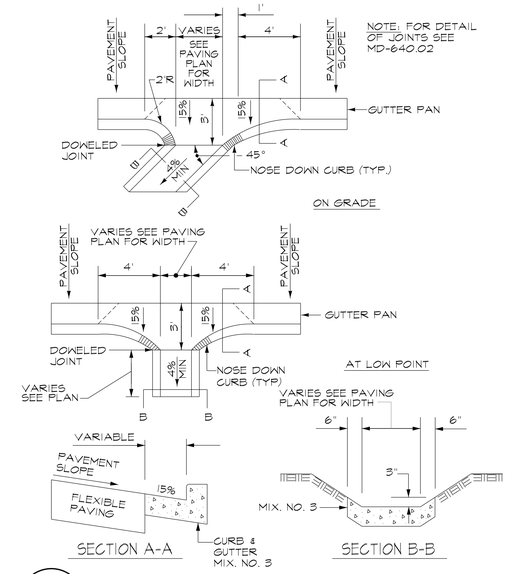


TYPE II



TYPE III

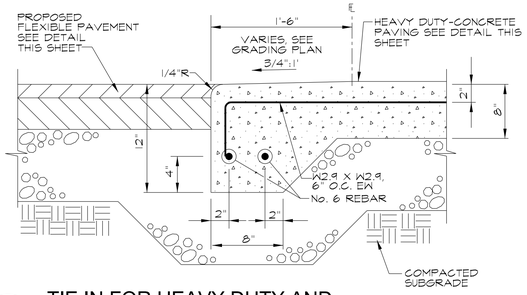
6 C4.00 PAVING TIE-IN DETAILS
NOT TO SCALE



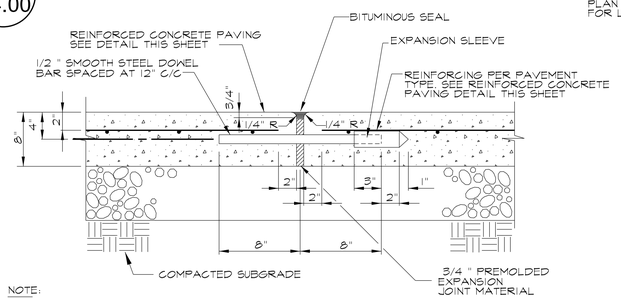
SECTION A-A

SECTION B-B

3 C4.00 CURB OPENING DETAIL
NOT TO SCALE



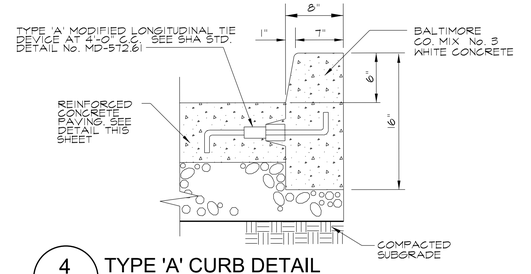
7 C4.00 TIE IN FOR HEAVY DUTY AND REINFORCED CONCRETE PAVING



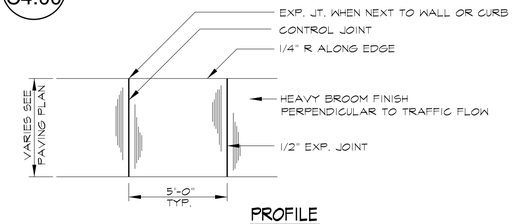
NOTE:

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.

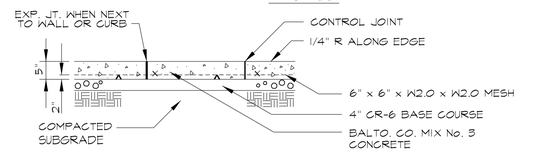
8 C4.00 TIE IN AT EXPANSION JOINT
NOT TO SCALE



4 C4.00 TYPE 'A' CURB DETAIL



PROFILE



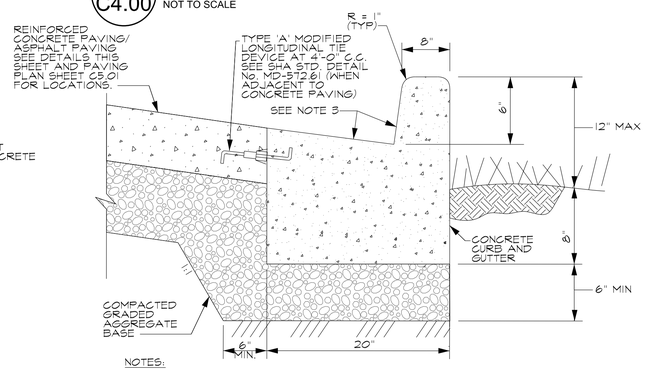
NOTE: PROVIDE 2% (MAX) CROSS-SLOPE FOR POSITIVE DRAINAGE AS REQUIRED

SECTION

NOTES:

1. PROVIDE EXPANSION JOINTS 40' C.C. MAX. AND SCORE JOINTS 5' C.C. (UNLESS OTHERWISE NOTED). EXPANSION JOINTS SHALL BE 1/2" PREMOLDED BITUMINOUS JOINT MATERIAL IN ACCORDANCE WITH BALTIMORE COUNTY SPECIFICATION.
2. WHEN SIDEWALK ABUTS CURB, SIDEWALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREMOLDED BITUMINOUS JOINT MATERIAL.
3. SEE BALTIMORE COUNTY STANDARD DETAIL R-19 FOR ADDITIONAL INFORMATION.
4. EXPANSION JOINTS SHALL BE SEALED PER THE PROJECT SPECIFICATIONS.

9 C4.00 CONCRETE SIDEWALK
NOT TO SCALE



NOTES:

1. CONCRETE SHALL BE MIX NO. 3.
2. CURB TYPE AND MATERIAL TO MATCH PLANS.
3. SLOPE OF GUTTER AND CURB REVEAL TO MATCH STANDARD CURB AND GUTTER
4. EXPANSION AND CONTRACTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH STANDARD CONCRETE CURB REQUIREMENTS.

10 C4.00 THICKENED CURB & GUTTER

SEAL

STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER

DATE: 7.11.25 (JULY 11, 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM | DWN BY: SG | CHKD BY: SM

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

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

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

SITE DETAILS

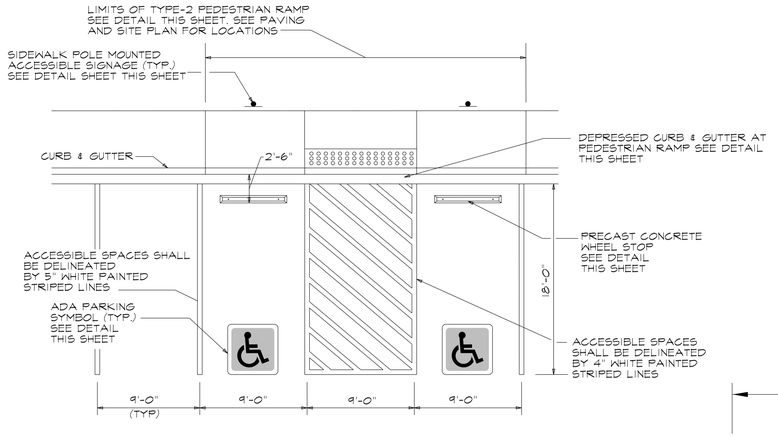
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

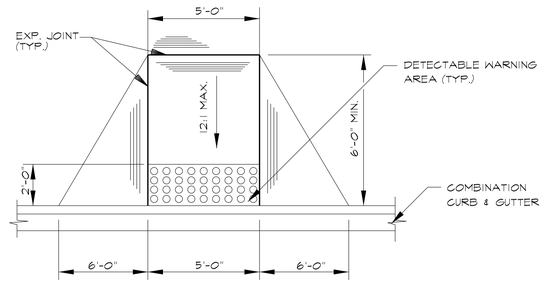
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C4.00	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 15 OF 295
	DRAWING NUMBER
	2025-0906
	FILE NO.: 8

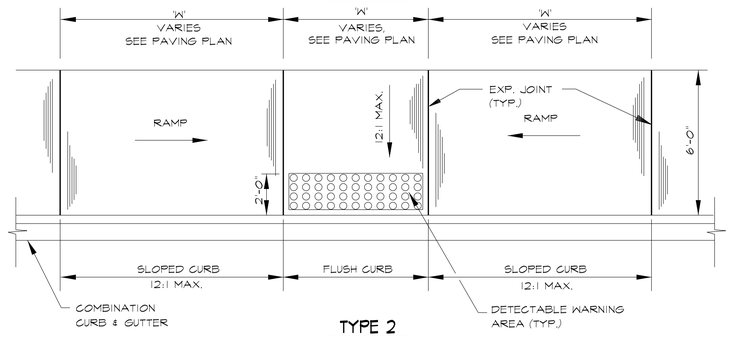


NOTE:
SEE GRADING PLAN FOR ELEVATIONS. ACCESSIBLE SPACES AND LOADING AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION

1 C4.01 ADA PARKING AREA
NOT TO SCALE



TYPE 1



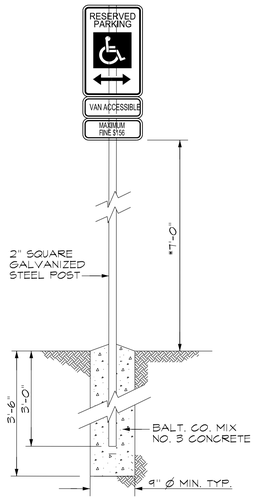
TYPE 2

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 CAST IN PLACE ADA TILES. COLOR FEDERAL YELLOW AS MANUFACTURED BY ARMOR-TILE OR APPROVED EQUAL

PARALLEL ALIGNMENT. SEE BALTIMORE COUNTY STANDARD DETAIL R-36C FOR ADDITIONAL INFORMATION.

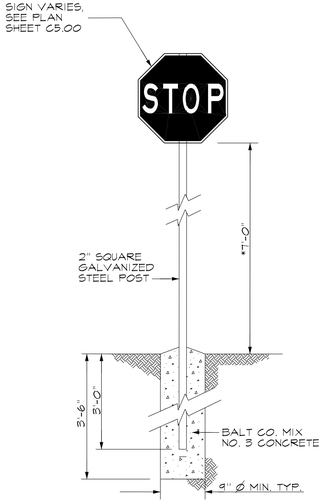
4. SEE DEPRESSED CURB AND GUTTER AT ADA RAMP DETAIL, SEE DETAIL THIS SHEET

2 C4.01 ADA PEDESTRIAN RAMP
NOT TO SCALE



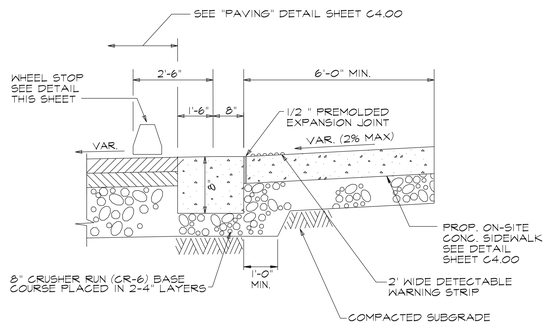
*HEIGHT SHALL BE MEASURED FROM BOTTOM OF WALL, WHERE APPLICABLE. SEE PLANS.

8 C4.01 MULTIPLE SIGN MOUNTING
NOT TO SCALE

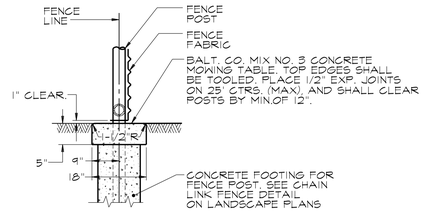


*HEIGHT SHALL BE MEASURED FROM BOTTOM OF WALL, WHERE APPLICABLE. SEE PLANS.

9 C4.01 STANDARD SIGN MOUNTING
NOT TO SCALE

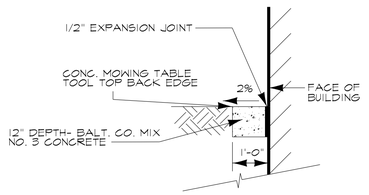


10 C4.01 DEPRESSED CURB & GUTTER AT ADA PARKING
NOT TO SCALE



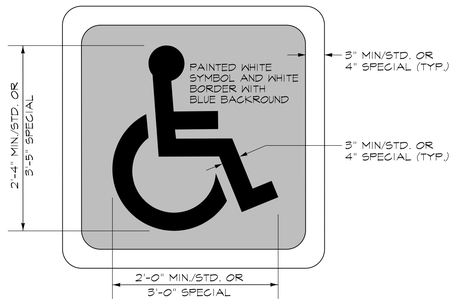
NOTE:
MOW TABLE AT ALL FENCE UNLESS OTHERWISE NOTED.

3 C4.01 FENCE MOW TABLE
NOT TO SCALE

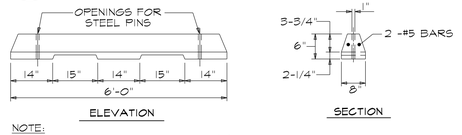


NOTE:
1/2" EXP. JOINTS MAX 15' O.C.

4 C4.01 BUILDING MOW STRIP
NOT TO SCALE



5 C4.01 ADA PARKING SYMBOL
NOT TO SCALE



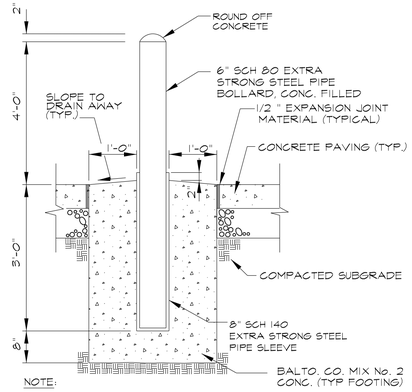
NOTE:
1. CONTRACTOR TO PROVIDE TWO (2) NO.8 REBARS, 16" LONG FOR EACH WHEEL STOP.

6 C4.01 PRECAST CONCRETE WHEEL STOP
NOT TO SCALE



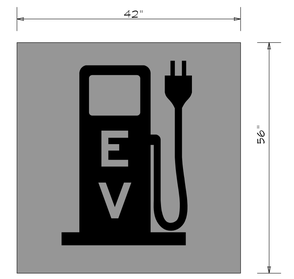
1. SIGN MATERIAL AND LETTERING SHALL BE ENGINEERING/GRADE REFLECTIVE.
2. GRAPHICS AND BORDER SHALL BE RED ON WHITE BACKGROUND.
3. FONT SHALL BE HIGHWAY-STYLE B OR C AS INDICATED.
4. SIGN SHALL BE INSTALLED AT 7' ABOVE GRADE.
5. ARROWS ON THE ENDS SHOULD POINT IN ONLY ONE DIRECTION TOWARD THE FIRE LANE. 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



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

11 C4.01 PIPE BOLLARD
NOT TO SCALE



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

12 C4.01 ELECTRIC VEHICLE PARKING SYMBOL
NOT TO SCALE

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 11, 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: 25058 EXPIRATION DATE: 11/12/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: SM
DRN BY: SG
CHKD BY: SM

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

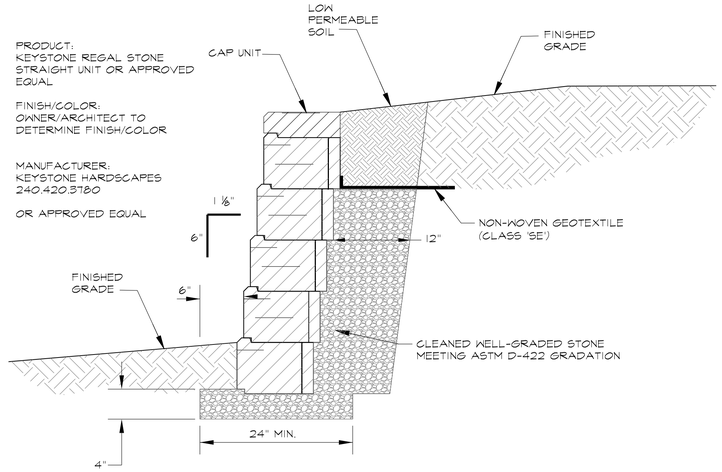
KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
DRAWING SCALE: PLAN SCALE: NTS" ; PROFILE SCALE:

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:							

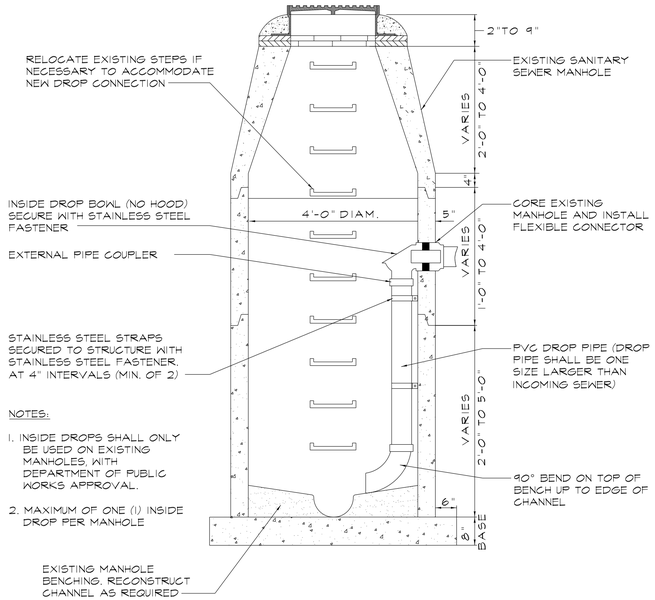
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
SITE DETAILS
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C4.01	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 16 OF 295	
DRAWING NUMBER	2025-0907
FILE NO.: 8	



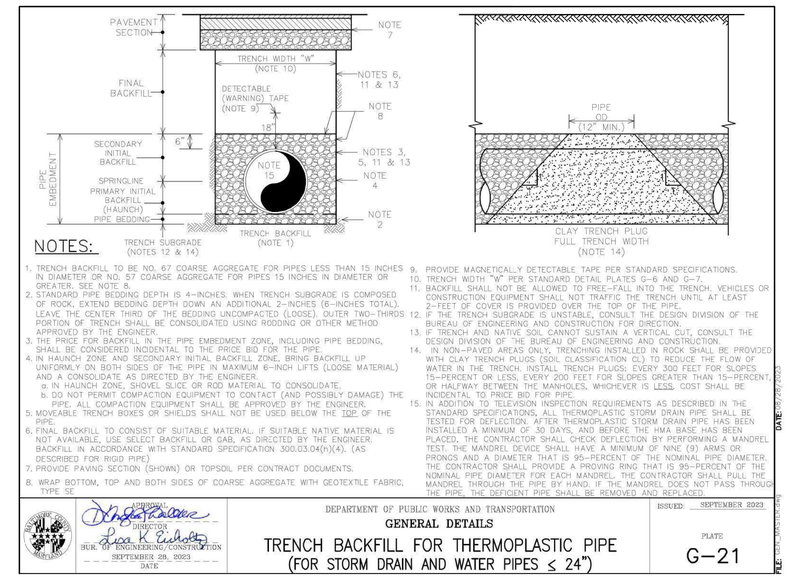
NOTE:
CONTRACTOR TO SUBMIT SHOP DRAWINGS, SIGNED AND SEALED BY A LICENSED MARYLAND PROFESSIONAL ENGINEER.

1 C4.02 SEGMENTAL RETAINING WALL
NOT TO SCALE



NOTES:
1. INSIDE DROPS SHALL ONLY BE USED ON EXISTING MANHOLES, WITH DEPARTMENT OF PUBLIC WORKS APPROVAL.
2. MAXIMUM OF ONE (1) INSIDE DROP PER MANHOLE

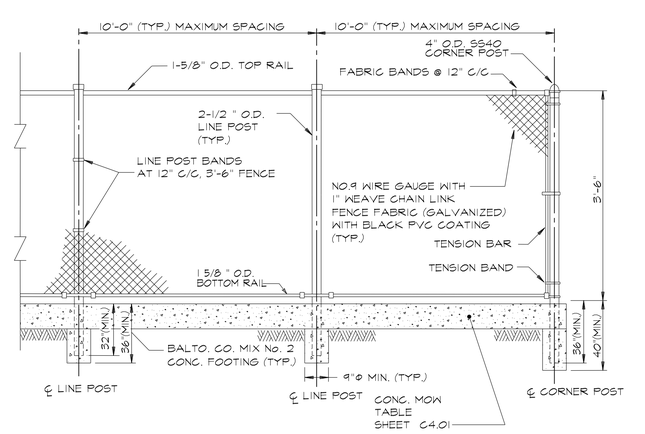
2 C4.02 INSIDE DROP - EX SANITARY MANHOLE DETAIL
NOT TO SCALE



NOTES:
1. TRENCH BACKFILL TO BE NO. 67 COARSE AGGREGATE FOR PIPES LESS THAN 15 INCHES IN DIAMETER OR NO. 57 COARSE AGGREGATE FOR PIPES 15 INCHES IN DIAMETER OR GREATER. SEE NOTE 8.
2. STANDARD PIPE BEDDING DEPTH IS 4–INCHES. WHEN TRENCH SUBGRADE IS COMPOSED OF ROCK, EXTEND BEDDING DEPTH DOWN AN ADDITIONAL 2–INCHES (6–INCHES TOTAL). LEAVE THE CENTER THIRD OF THE BEDDING UNCOMPACTED (LOOSE). OUTER TWO–THIRDS PORTION OF TRENCH SHALL BE CONSOLIDATED USING RODDING OR OTHER METHOD APPROVED BY THE ENGINEER.
3. THE PRICE FOR BACKFILL IN THE PIPE EMBEDMENT ZONE, INCLUDING PIPE BEDDING, SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR THE PIPE.
4. IN HAUNCH ZONE AND SECONDARY INITIAL BACKFILL ZONE, BRING BACKFILL UP UNIFORMLY ON BOTH SIDES OF THE PIPE IN MAXIMUM 6–INCH LIFTS (LOOSE MATERIAL) AND A CONSOLIDATE AS DIRECTED BY THE ENGINEER.
   a. IN HAUNCH ZONE, SHOVEL SLICE OR ROD MATERIAL TO CONSOLIDATE.
   b. DO NOT PERMIT COMPACTION EQUIPMENT TO CONTACT (AND POSSIBLY DAMAGE) THE PIPE. ALL COMPACTION EQUIPMENT SHALL BE APPROVED BY THE ENGINEER.
5. MOVEABLE TRENCH BOXES OR SHIELDS SHALL NOT BE USED BELOW THE TOP OF THE PIPE.
6. FINAL BACKFILL TO CONSIST OF SUITABLE MATERIAL. IF SUITABLE NATIVE MATERIAL IS NOT AVAILABLE, USE SELECT BACKFILL OR GAB, AS DIRECTED BY THE ENGINEER. BACKFILL IN ACCORDANCE WITH STANDARD SPECIFICATION 300.03.04(h)(4). (AS DESCRIBED FOR RIGID PIPE).
7. PROVIDE PAVING SECTION (SHOWN) OR TOPSOIL PER CONTRACT DOCUMENTS.
8. WRAP BOTTOM, TOP AND BOTH SIDES OF COARSE AGGREGATE WITH GEOTEXTILE FABRIC, TYPE SE
9. PROVIDE MAGNETICALLY DETECTABLE TAPE PER STANDARD SPECIFICATIONS.
10. TRENCH WIDTH "W" PER STANDARD DETAIL PLATES G–6 AND G–7.
11. BACKFILL SHALL NOT BE ALLOWED TO FREE–FALL INTO THE TRENCH. VEHICLES OR CONSTRUCTION EQUIPMENT SHALL NOT TRAFFIC THE TRENCH UNTIL AT LEAST 2–FEET OF COVER IS PROVIDED OVER THE TOP OF THE PIPE.
12. IF THE TRENCH SUBGRADE IS UNSTABLE, CONSULT THE DESIGN DIVISION OF THE BUREAU OF ENGINEERING AND CONSTRUCTION FOR DIRECTION.
13. IF TRENCH AND NATIVE SOIL CANNOT SUSTAIN A VERTICAL CUT, CONSULT THE DESIGN DIVISION OF THE BUREAU OF ENGINEERING AND CONSTRUCTION.
14. IN NON–PAVED AREAS ONLY, TRENCHING INSTALLED IN ROCK SHALL BE PROVIDED WITH CLAY TRENCH PLUGS (SOIL CLASSIFICATION CL) TO REDUCE THE FLOW OF WATER IN THE TRENCH. INSTALL TRENCH PLUGS: EVERY 300 FEET FOR SLOPES 15–PERCENT OR LESS, EVERY 200 FEET FOR SLOPES GREATER THAN 15–PERCENT, OR HALFWAY BETWEEN THE MANHOLES, WHICHEVER IS LESS. COST SHALL BE INCIDENTAL TO PRICE BID FOR PIPE.
15. IN ADDITION TO TELEVISION INSPECTION REQUIREMENTS AS DESCRIBED IN THE STANDARD SPECIFICATIONS, ALL THERMOPLASTIC STORM DRAIN PIPE SHALL BE TESTED FOR DEFLECTION. AFTER THERMOPLASTIC STORM DRAIN PIPE HAS BEEN INSTALLED A MINIMUM OF 30 DAYS, AND BEFORE THE HMA BASE HAS BEEN PLACED, THE CONTRACTOR SHALL CHECK DEFLECTION BY PERFORMING A MANDREL TEST. THE MANDREL DEVICE SHALL HAVE A MINIMUM OF NINE (9) ARMS OR PRONGS AND A DIAMETER THAT IS 95–PERCENT OF THE NOMINAL PIPE DIAMETER. THE CONTRACTOR SHALL PROVIDE A PROVING RING THAT IS 95–PERCENT OF THE NOMINAL PIPE DIAMETER FOR EACH MANDREL. THE CONTRACTOR SHALL PULL THE MANDREL THROUGH THE PIPE BY HAND. IF THE MANDREL DOES NOT PASS THROUGH THE PIPE, THE DEFICIENT PIPE SHALL BE REMOVED AND REPLACED.

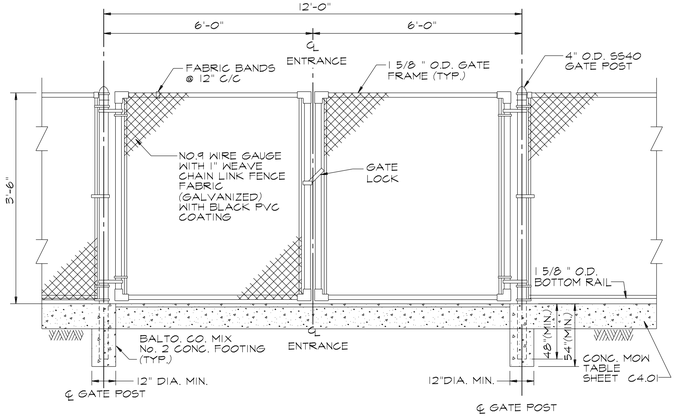
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
GENERAL DETAILS
TRENCH BACKFILL FOR THERMOPLASTIC PIPE (FOR STORM DRAIN AND WATER PIPES ≤ 24")
ISSUED: SEPTEMBER 2023
PLATE G–21
APPROVED: DIRECTOR
HDR, DIR. OF ENGINEERING/CONSTRUCTION
SEPTEMBER 29, 2023 DATE
DATE: 9/29/2023
FILE: DWG_TRENCH.DWG

3 C4.02 TRENCH REPAIR (MARLYN AVENUE)
NOT TO SCALE



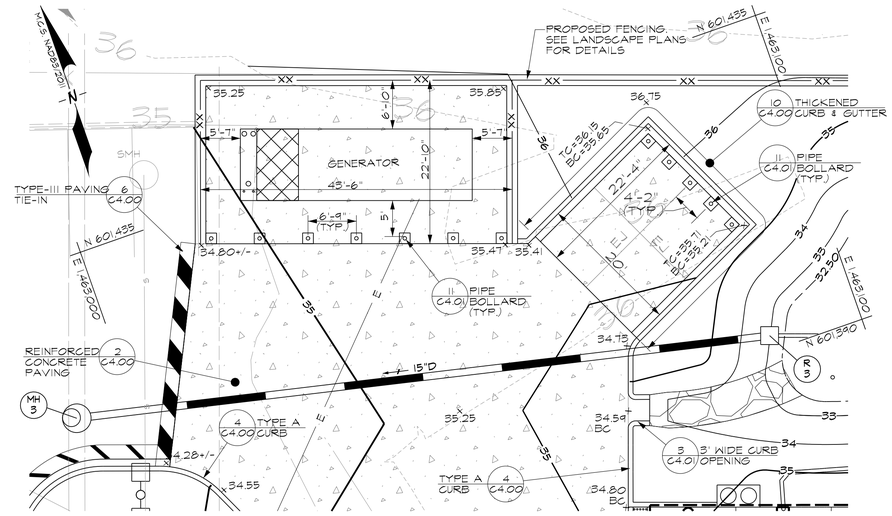
NOTES:
1. ALL PIPING SHALL BE SCHEDULE 40.
2. CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN INSTALLING FENCE SO AS NOT TO DAMAGE UNDERGROUND UTILITIES.
3. FENCE FABRIC SHALL BE SECURED TO THE RAILS AND POSTS WITH ALUMINUM SELF LOCKING BANDS.
4. TIES, POSTS, RAILS, GATE FRAMES, AND FASTENERS SHALL BE VINYL COATED AT THE FACTORY.

4 C4.02 3'-6" HIGH CHAIN LINK FENCE DETAIL
NOT TO SCALE



NOTES:
1. ALL PIPING SHALL BE SCHEDULE 40.
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. GATES TO BE FULLY WELDED
5. TIES, POSTS, RAILS, GATE FRAMES, AND FASTENERS SHALL BE VINYL COATED AT THE FACTORY.

5 C4.02 3'-6" HIGH DOUBLE SWING GATE DETAIL
NOT TO SCALE



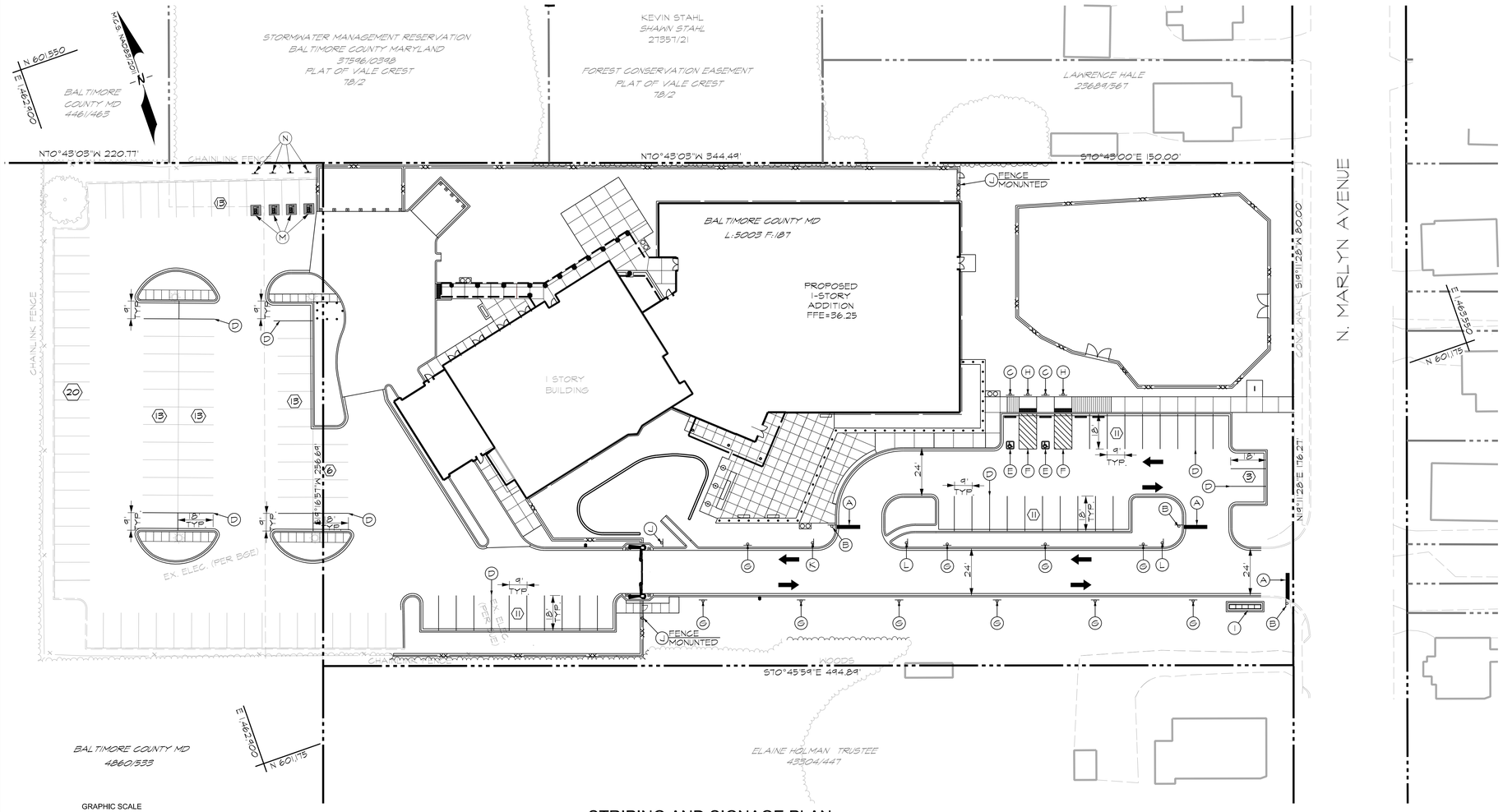
GENERATOR AND DUMPSTER PAD AREA DETAIL
SCALE: 1" = 10'

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

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND MARIANNE K. CRAMPTON No. 25058 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. 25058 EXPIRATION DATE 11/17/2026				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: AS SHOWN PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: JULY 14, 2025	ENGINEER: MARIANNE K. CRAMPTON AS–BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX							
	DGN BY: SM DRN BY: SG CHKD BY: SM	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
ESSEX POLICE PRECINCT - 11
SITE DETAILS
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C4.02	25022 PPO
	JOB ORDER NUMBER
	PROJ–10000636
	SHEET 17 OF 295
	DRAWING NUMBER
	2025-0908
	FILE NO.: 8



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

STRIPING AND SIGNAGE PLAN
SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EX. CURB AND GUTTER
- EX. FENCE
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- PROPOSED PAINTED ADA SYMBOL
- PROPOSED POST MOUNTED SIGN

STRIPING AND SIGNAGE KEY

- (A) 24" WIDE SOLID THERMOPLASTIC WHITE STOP BAR AT 90°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) "NO PARKING IN ACCESS AISLE" (SEE LEGEND THIS SHEET)
- (I) SITE SIGN. SEE ARCHITECTURAL PLANS FOR DETAILS
- (J) "RESTRICTED AREA" SIGN (SEE LEGEND THIS SHEET)
- (K) "AUTHORIZED VEHICLES ONLY BEYOND THIS POINT" SIGN (SEE LEGEND THIS SHEET)
- (L) "PUBLIC PARKING" SIGN (SEE LEGEND THIS SHEET)
- (M) ELECTRIC VEHICLE PARKING SYMBOL (SEE DETAIL SHEET C4.01)
- (N) "ELECTRIC VEHICLE PARKING ONLY" SIGN (SEE LEGEND THIS SHEET)

PROPOSED SIGN LEGEND

SIGN SYMBOL	NUMBER OF SIGNS	MUTCD SIGN DESIGNATION	SIGN SYMBOL	NUMBER OF SIGNS	MUTCD SIGN DESIGNATION	SIGN SYMBOL	NUMBER OF SIGNS	MUTCD SIGN DESIGNATION
STOP	3	R1-1	NO PARKING FIRE LANE	10	12" x 18"	NOTICE Restricted Area Authorized Employees Only	3	18" x 18"
RESERVED PARKING / VAN ACCESSIBLE / $250 FINE	1 / 1	R7-8, R7-8a	PUBLIC PARKING	2	24" x 18"	RESERVED EV CHARGING STATION	4	12" x 18"
NO PARKING IN ACCESS AISLE	2	12" x 18"	AUTHORIZED VEHICLES ONLY BEYOND THIS POINT	1	18" x 18"			

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.
4. ALL EXISTING "NO TRESPASSING" AND OTHER FENCE MOUNTED SIGNS ARE TO BE RETAINED AND REMOUNTED ON THE FENCING AS REQUIRED.

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 7-11-25 JULY 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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DRN BY: SG
CHKD BY: SM

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: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1" = 30' | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

STRIPING AND SIGNAGE PLAN

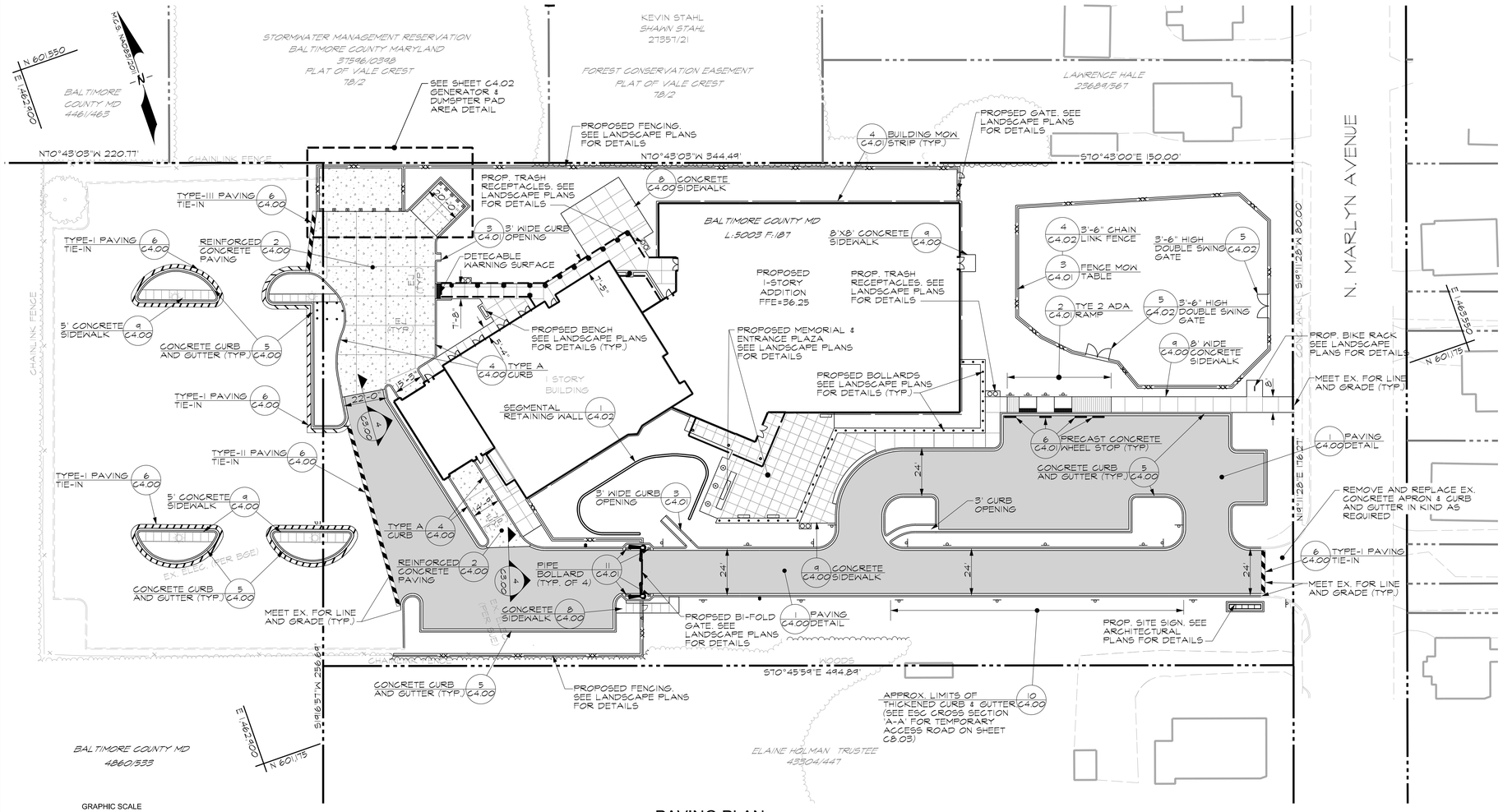
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C5.00	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 18 OF 295	
DRAWING NUMBER	2025-0909
FILE NO.: 8	



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. TYPE 'A' CURB
- PROP. FENCE LINE
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- APPROXIMATE LIMITS OF ASPHALT PAVING
- APPROXIMATE LIMITS OF HEAVY-DUTY CONCRETE
- APPROXIMATE LIMITS OF TYPE-I PAVING TIE-IN
- APPROXIMATE LIMITS OF TYPE-2 PAVING TIE-IN

NOTES:
1. SEE LANDSCAPE PLANS FOR ENTRY PLAZA SCORING
2. FOR ALL TRENCH REPAIR WITHIN MARLYN AVENUE, SEE DETAIL SHEET C4.02

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

PAVING PLAN
SCALE: 1" = 30'

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · 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. 25058 EXPIRATION DATE 11/17/2026				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1"=30' PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: JULY 14, 2025	ENGINEER: MARIANNE K. CRAMPTON AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX							
	DGN BY: SM DRN BY: SG CHKD BY: SM	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

ESSEX POLICE PRECINCT - 11

PAVING PLAN

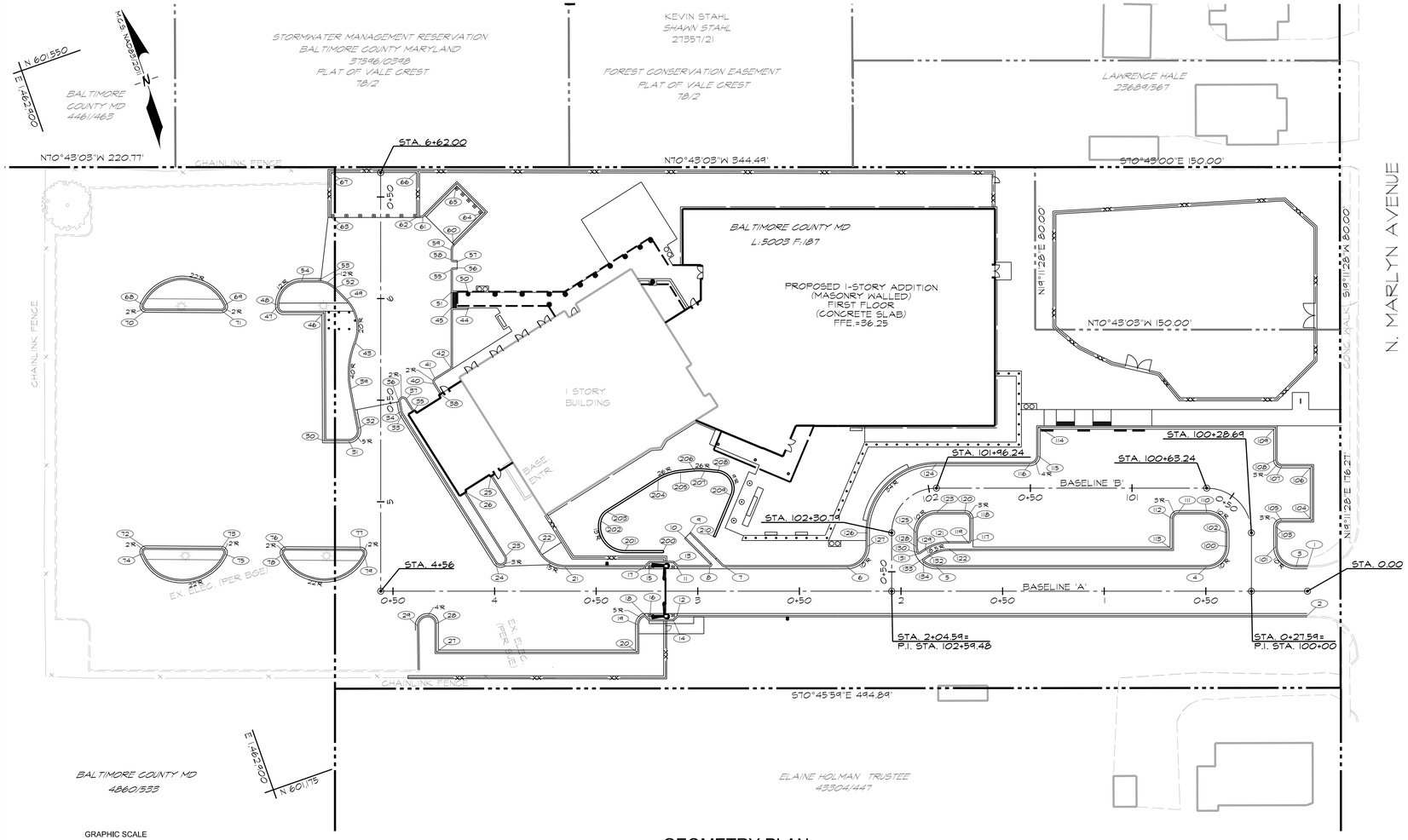
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C5.01	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 19 OF 295
	DRAWING NUMBER
	2025-0910
	FILE NO.: 8



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

GEOMETRY PLAN
SCALE: 1" = 30'

BASELINE DATA

STA.	NORTHING	EASTING	BEARING/ RADIUS	DISTANCE/ ARC LENGTH	CHORD
BASELINE 'A'					
0+00	601,098.04	1,463,409.67			
			N70°42'52.96"W	456'	
4+56	601,248.64	1,462,979.25			
			N19°16'19.95"E	206'	
6+62	601,443.12	1,463,047.25			
BASELINE 'B'					
100+00	601,107.15	1,463,383.63			
			N19°17'7.03"E	28.69'	
100+28.69	601,134.24	1,463,393.10			
			22°	34.55'	N25°42'58.01"W 31.11'
100+63.24	601,162.27	1,463,379.60			
			N70°42'52.97"W	133'	
101+96.24	601,206.20	1,463,254.07			
			22°	34.55'	S64°17'5.29"W 31.11'
102+30.79	601,192.70	1,463,226.03			
			S19°17'3.55"W	28.69'	
102+59.48	601,165.61	1,463,216.56			

POINT DATA BASELINE 'A'

POINT NO.	STATION / NORTH	OFFSET / EAST
1	0+00	12.00 RT.
2	0+00	12.00 LT.
3	0+05.59	12.00 RT.
4	0+49.58	12.00 RT.
5	1+82.59	12.00 RT.
6	2+26.58	12.00 RT.
7	2+86.61	12.00 RT.
8	2+94.10	12.00 RT.
9	3+03.82	28.48 RT.
10	3+06.05	26.35 RT.
11	3+10.16	12.00 RT.
12	3+10.16	12.00 LT.
13	3+12.18	14.00 RT.
14	3+12.18	14.00 LT.
15	3+23.65	14.00 RT.
16	3+23.65	14.00 LT.
17	3+25.67	12.00 RT.
18	3+26.00	11.66 LT.
19	3+29.64	16.50 LT.
20	3+29.64	30.00 LT.
21	3+65.45	12.00 RT.
22	3+78.14	19.00 RT.
23	3+94.50	17.30 RT.
24	3+99.57	14.10 RT.
25	4+01.77	56.52 RT.
26	4+14.27	48.63 RT.
27	4+28.64	30.00 LT.
28	4+28.64	15.00 T.
29	4+38.01	17.06 LT.
30	5+30.02	26.66 LT.
31	5+30.02	15.81 LT.
32	5+35.95	10.90 LT.
33	5+45.05	10.42 RT.
34	5+44.44	9.87 RT.
35	5+44.76	16.35 RT.
36	5+44.25	8.96 RT.
37	5+50.69	12.61 RT.
38	5+52.91	29.27 RT.
39	5+55.73	14.65 LT.
40	5+58.06	26.02 RT.
41	5+60.81	26.65 RT.
42	5+65.84	34.62 RT.
43	5+78.14	12.45 LT.
44	5+95.38	43.00 RT.
45	5+95.38	34.63 RT.
46	5+91.11	27.92 LT.
47	5+96.09	50.78 LT.
48	5+96.84	50.78 LT.
49	5+99.68	16.79 LT.
50	6+03.00	43.00 RT.
51	6+03.00	34.63 RT.
52	6+05.29	22.31 LT.
53	6+08.85	30.53 LT.
54	6+08.85	38.79 LT.
55	6+14.12	34.64 RT.
56	6+15.12	37.64 RT.
57	6+18.12	37.64 RT.
58	6+19.12	34.64 RT.
59	6+23.93	34.64 RT.
60	6+26.76	35.81 RT.
61	6+39.93	20.70 RT.
62	6+39.93	17.70 RT.
63	6+39.93	24.37 LT.
64	6+42.55	51.62 RT.
65	6+56.70	37.48 RT.
66	6+62.00	17.70 RT.
67	6+62.00	24.37 LT.
68	601,420.59	1,462,915.11
69	601,406.90	1,462,953.51
70	601,417.31	1,462,915.87
71	601,404.84	1,462,950.85
72	601,306.87	1,462,877.24
73	601,294.43	1,462,912.13
74	601,304.81	1,462,874.57
75	601,291.17	1,462,912.91
76	601,283.70	1,462,942.24
77	601,271.41	1,462,976.71
78	601,281.64	1,462,934.57
79	601,268.11	1,462,977.45

POINT DATA BASELINE 'A'

POINT NO.	STATION / NORTH	OFFSET / EAST
100	100+22	1200 LT.
101	100+22	12.00 RT.
102	100+28.09	12.00 LT.
103	100+30.59	12.12 RT.
104	100+31.20	30.33 RT.
105	100+32.20	14.47 RT.
106	100+41.12	38.55 RT.
107	100+44.70	27.54 RT.
108	100+46.58	27.42 RT.
109	100+50.51	40.12 RT.
110	100+63.24	12.00 LT.
111	100+77.25	12.00 LT.
112	100+80.25	15.00 LT.
113	100+80.25	30.00 LT.
114	101+46.25	30.00 RT.
115	101+46.25	16.00 RT.
116	101+50.25	12.00 RT.
117	101+79.25	26.00 LT.
118	101+79.25	15.00 LT.
119	101+80.25	27.00 LT.
120	101+82.25	12.00 LT.
121	101+89.98	27.00 LT.
122	101+89.98	30.00 LT.
123	101+96.24	12.00 LT.
124	101+96.24	12.00 RT.
125	102+30.79	12.00 LT.
126	102+30.79	12.00 RT.
127	102+37.50	12.00 RT.
128	102+37.50	12.00 LT.
129	102+39.32	16.48 LT.
130	102+40.45	12.44 LT.
131	102+40.99	13.94 LT.
132	102+41.83	18.12 LT.
133	102+43.50	15.58 LT.
134	102+45.09	15.48 LT.

POINT DATA RETAINING WALLS

POINT NO.	STATION / NORTH	OFFSET / EAST
200	601,222.51	1,463,114.23
201	601,227.71	1,463,099.56
202	601,245.40	1,463,042.95
203	601,248.57	1,463,047.36
204	601,255.21	1,463,126.20
205	601,255.12	1,463,137.81
206	601,253.43	1,463,144.63
207	601,251.82	1,463,149.21
208	601,249.13	1,463,154.96
209	601,236.53	1,463,157.52
210	601,220.02	1,463,142.64

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EX. CURB AND GUTTER
- PROP. CONCRETE CURB & GUTTER
- PROP. TYPE 'A' CURB AND GUTTER
- PROP. RETAINING WALL
- PROP. CONCRETE WALK
- PROP. BASELINE
- (101) DENOTES POINT NUMBER

NOTE:
ALL STATION OFFSETS SHOWN ARE FROM FACE OF CURB

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | PROFILE SCALE:

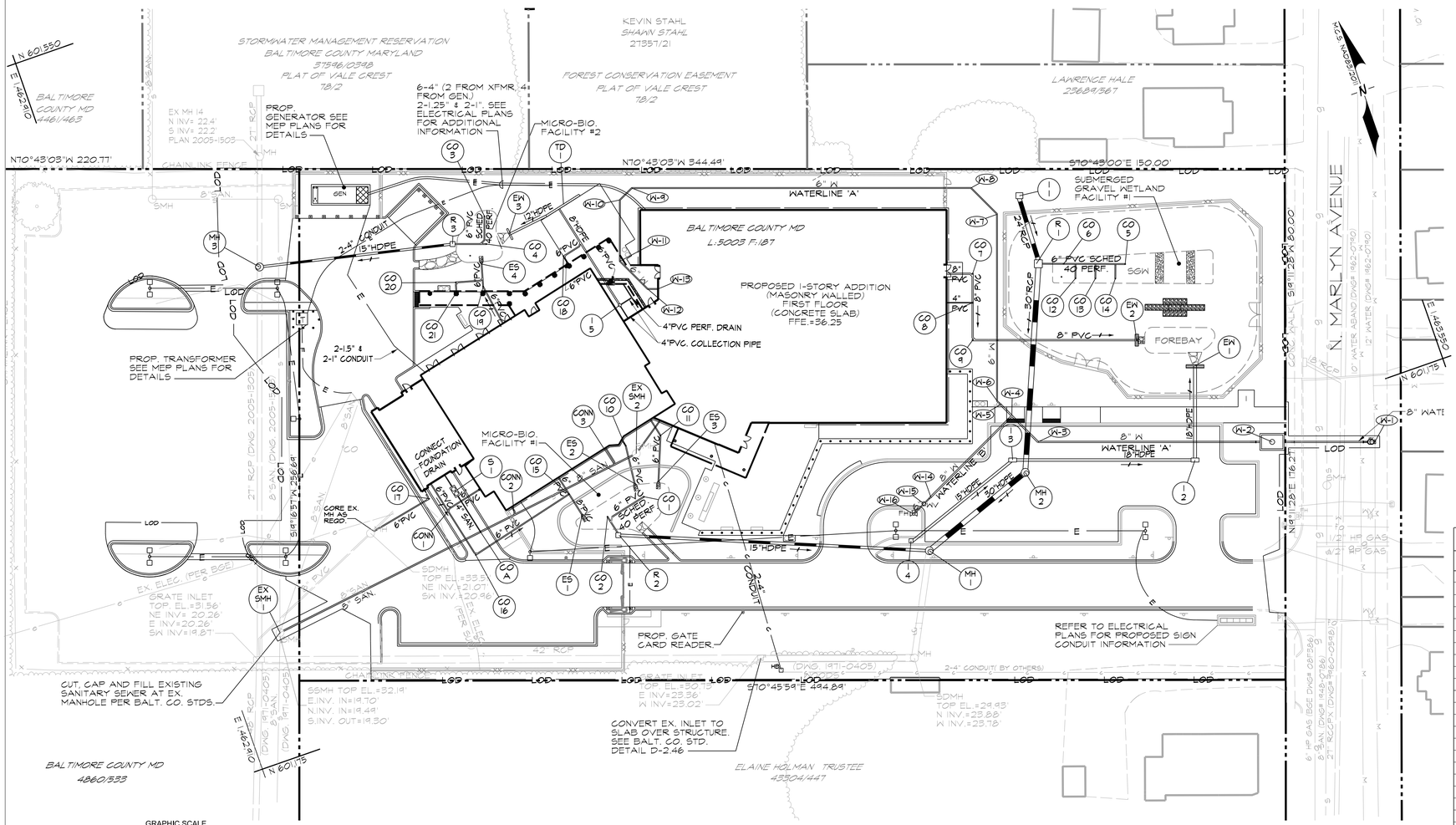
PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

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
ESSEX POLICE PRECINCT - 11
GEOMETRY PLAN
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C6.00	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 20 OF 295	
DRAWING NUMBER	2025-0911
FILE NO.: 8	

BALTIMORE COUNTY MARYLAND


STORMWATER MANAGEMENT RESERVATION
BALTIMORE COUNTY MARYLAND
37596/0398
PLAT OF VALE CREST
78/2
KEVIN STAHL
SHAWN STAHL
27357/21
FOREST CONSERVATION EASEMENT
PLAT OF VALE CREST
78/2
LAWRENCE HALE
25684/567
N. MARLYN AVENUE
BALTIMORE COUNTY MD
L:5003 F:187
PROPOSED 1-STORY ADDITION
(MASONRY WALLED)
FIRST FLOOR
(CONCRETE SLAB)
FFE=36.25
SUBMERGED
GRAVEL WETLAND
FACILITY #1
FOREBAY
6" W
WATERLINE 'A'
8" W
WATERLINE 'A'
18"HDPE
8" W
WATERLINE 'B'
15"HDPE
30"HDPE
MICRO-BIO.
FACILITY #1
MICRO-BIO.
FACILITY #2
CONNECT
FOUNDATION
DRAIN
PROP. TRANSFORMER
SEE MEP PLANS FOR
DETAILS
PROP. GENERATOR SEE
MEP PLANS FOR
DETAILS
6-4" (2 FROM XFMR, 4
FROM GEN.)
2-1.25" & 2-1" SEE
ELECTRICAL PLANS
FOR ADDITIONAL
INFORMATION
2-4" CONDUIT
15"HDPE
2-1.5" &
2-1" CONDUIT
4"PVC PERF. DRAIN
4"PVC. COLLECTION PIPE
6" PVC SCHED
40 PERF.
CORE EX.
MH AS
REQD
PROP. GATE
CARD READER
REFER TO ELECTRICAL
PLANS FOR PROPOSED SIGN
CONDUIT INFORMATION
CUT, CAP AND FILL EXISTING
SANITARY SEWER AT EX.
MANHOLE PER BALT. CO. STDS.
CONVERT EX. INLET TO
SLAB OVER STRUCTURE.
SEE BALT. CO. STD.
DETAIL D-2.46
BALTIMORE COUNTY MD
4860/533
ELAINE HOLMAN, TRUSTEE
4350/447
GRATE INLET
TOP EL.=31.56
NE INV=20.26'
E INV=20.26'
SW INV=19.81'
SDMH
TOP EL.=33.5
NE INV=21.07
SW INV=20.96
SDMH
TOP EL.=32.19'
E. INV=19.70'
N. INV=19.49'
S. INV=19.30'
SDMH
TOP EL.=29.93'
N INV.=23.88'
W INV.=23.78'
N10°43'03"W 220.77'
N10°43'03"W 344.49'
S70°48'00"E 150.00'
S19°12'00"W 80.00'
S19°11'28"E 116.21'
S70°45'59"E 494.84'
N 60°15'50 E 1,462,910
N 60°11'75
E 1,463,590
N 60°15'50 E 1,462,910
N 60°11'75
(DWG. 1971-0405)
(DWG. 2005-1505)
(DWG. 1971-0405)
(DWG. 1971-0405)
(DWG. 1971-0405



STORM DRAIN DRAINAGE AREA MAP

SCALE: 1" = 50'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- TO — EX. COMMUNICATION
- OHE — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 3" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" W — 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. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- WuB HSG (C) / RuD HSG (C) — SOILS BOUNDARY
- LOD — LIMIT OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- (A) — DRAINAGE AREA LABEL
- PROP. IMPERVIOUS AREA
- PROP. WOODED AREA
- TC PATH — TIME OF CONCENTRATION

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

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

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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

KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
PLAN SCALE: 1"=50'
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

ESSEX POLICE PRECINCT - 11

STORM DRAIN DRAINAGE AREA MAP

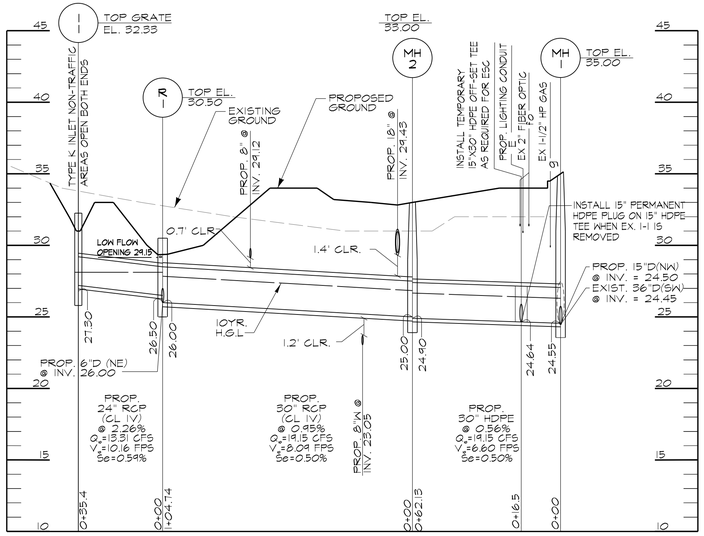
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

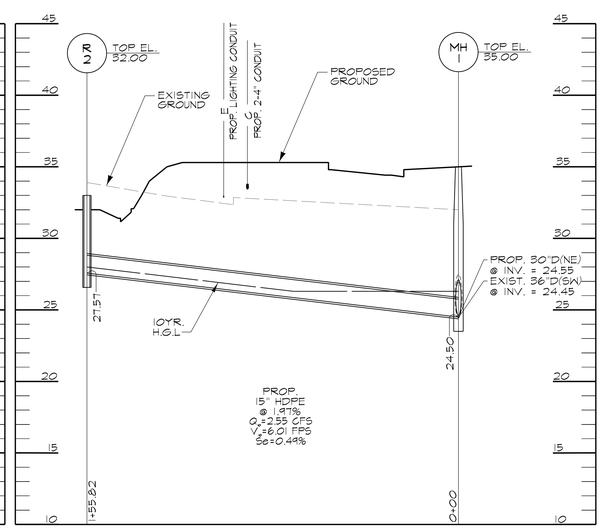
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C7.01	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 22 OF 295	
DRAWING NUMBER	2025-0913
FILE NO.: 8	



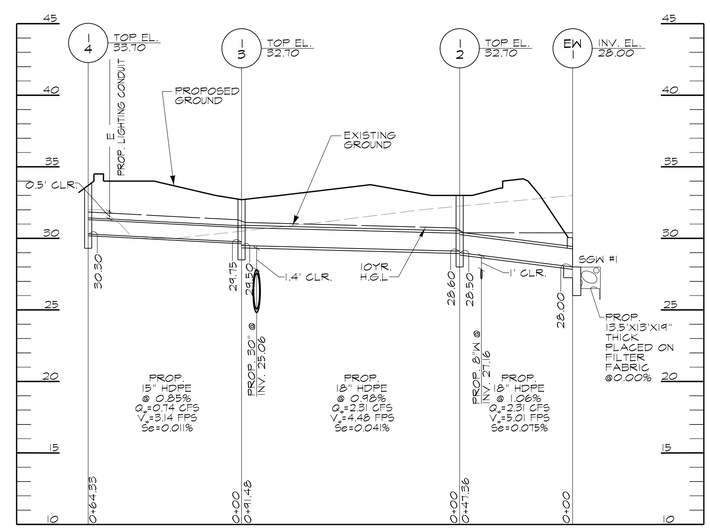
STORM DRAIN PROFILE (I-1 TO MH-1)

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



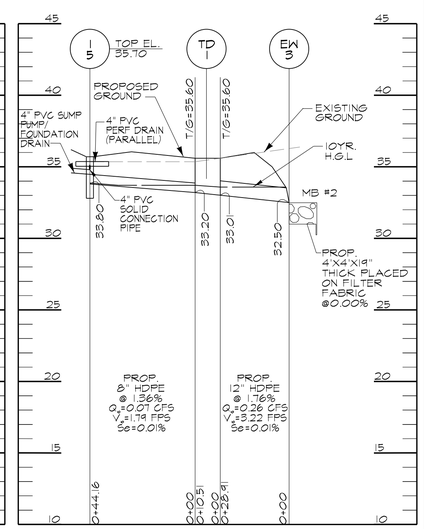
STORM DRAIN PROFILE (R-2 TO MH-1)

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



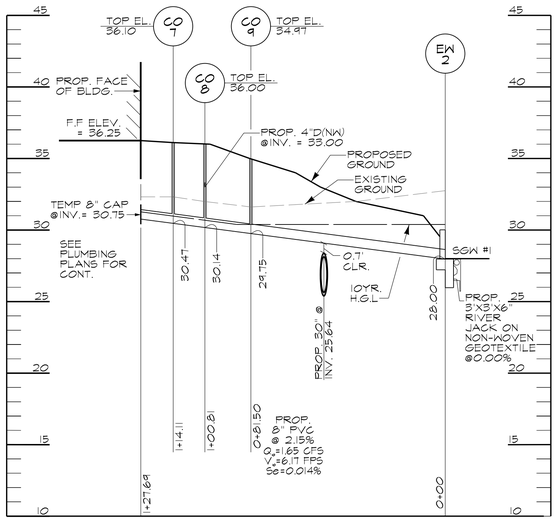
STORM DRAIN PROFILE (I-4 TO EW-1)

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



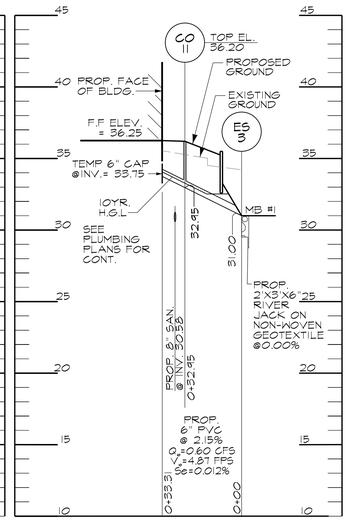
STORM DRAIN PROFILE (I-5 TO EW-3)

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



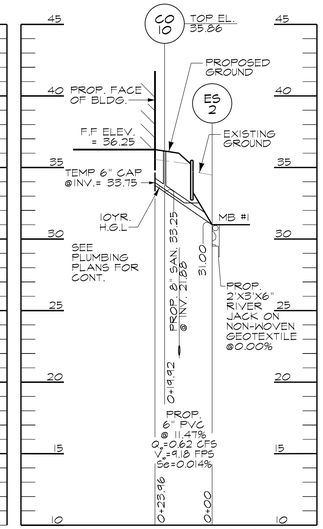
STORM DRAIN PROFILE (ROOF TO EW-2)

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



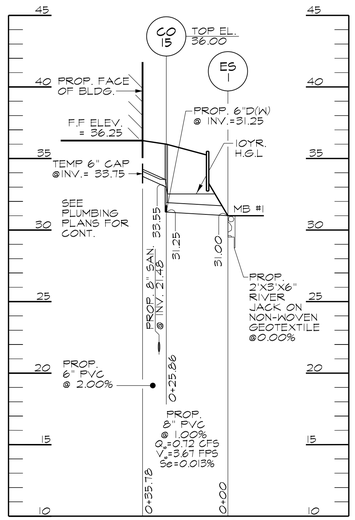
STORM DRAIN PROFILE (ROOF TO ES-3)

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



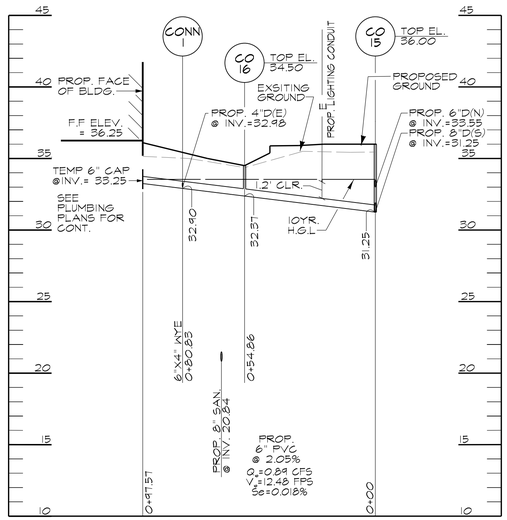
STORM DRAIN PROFILE (ROOF TO ES-2)

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



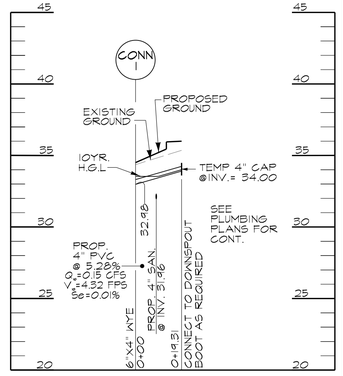
STORM DRAIN PROFILE (ROOF TO ES-1)

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



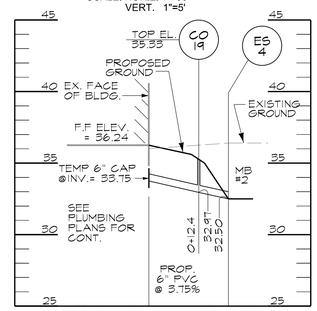
STORM DRAIN PROFILE (ROOF TO CO-15)

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



STORM DRAIN PROFILE (CANOPY TO CONN-1)

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



STORM DRAIN PROFILE (AC OVERFLOW TO ES-4)

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

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 7-29-25

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. 25058 EXPIRATION DATE: 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DRN BY: SG
CHKD BY: SM

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

UTILITY PROFILES

RENOVATION & ADDITION

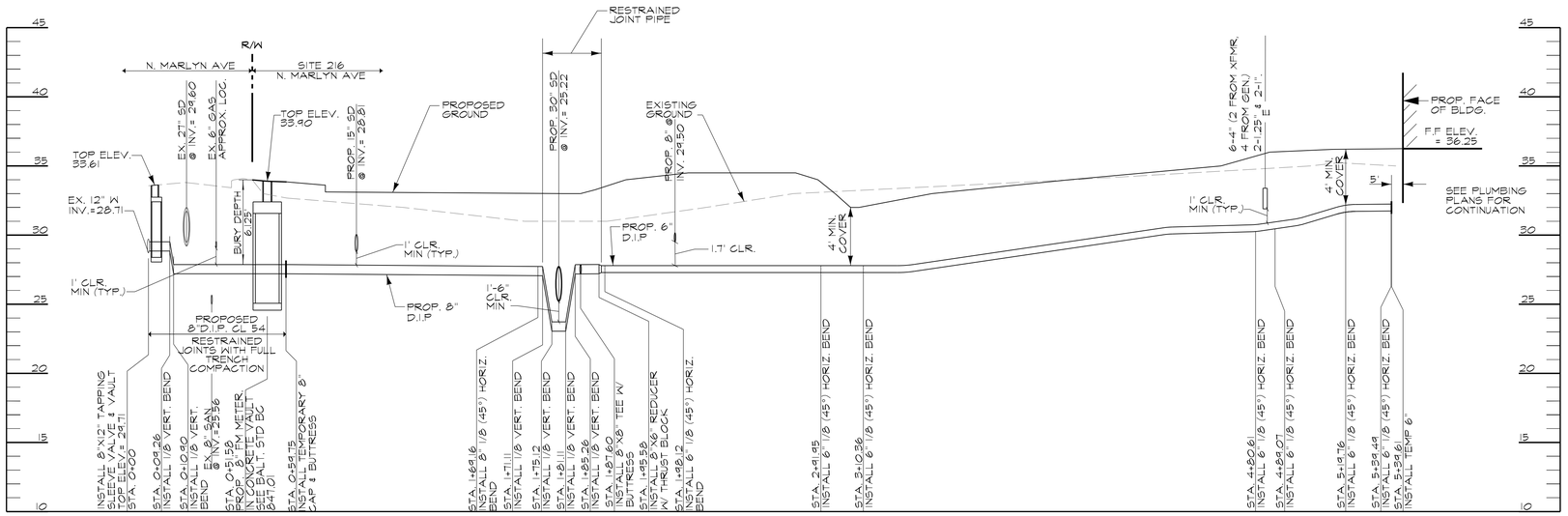
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

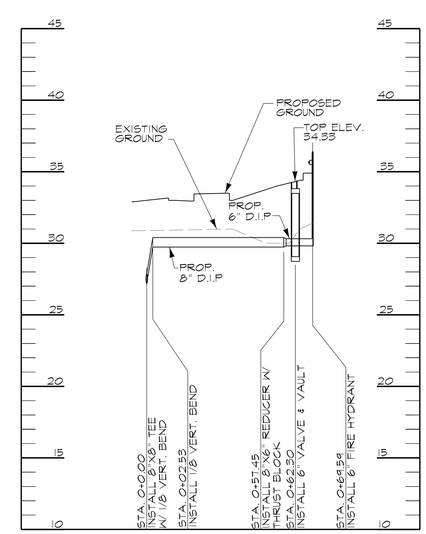
SHEET DESIGNATION	CONTRACT NUMBER
C7.02	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 23 OF 295	
DRAWING NUMBER	
2025-0914	
FILE NO.: 8	REV. 07/22

BALTIMORE COUNTY MARYLAND



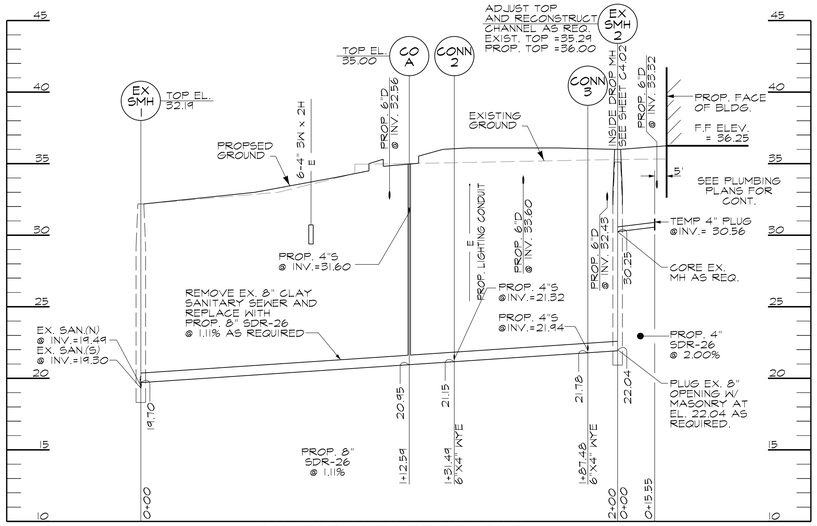
8" TO 6" WATER SERVICE PROFILE (WATERLINE 'A')

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



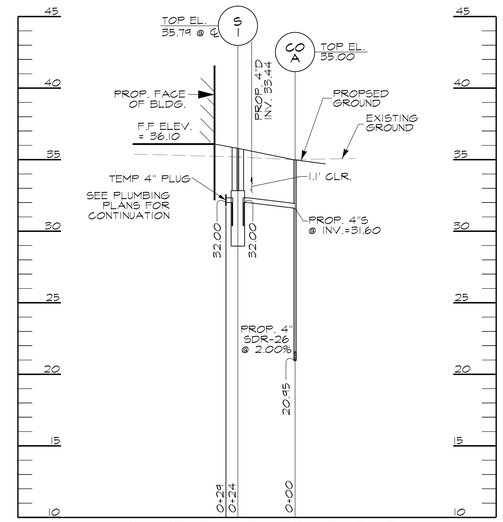
8" WATER SERVICE PROFILE (WATERLINE 'B')

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



SANITARY SEWER PROFILE (BLDG TO EX. SMH-1)

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



SANITARY SEWER PROFILE (COA TO S1 AND BLDG)

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

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 7.11.25 JULY 11, 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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

CONTRACT COMPLETION BOX

R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' 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

ESSEX POLICE PRECINCT - 11

UTILITY PROFILES

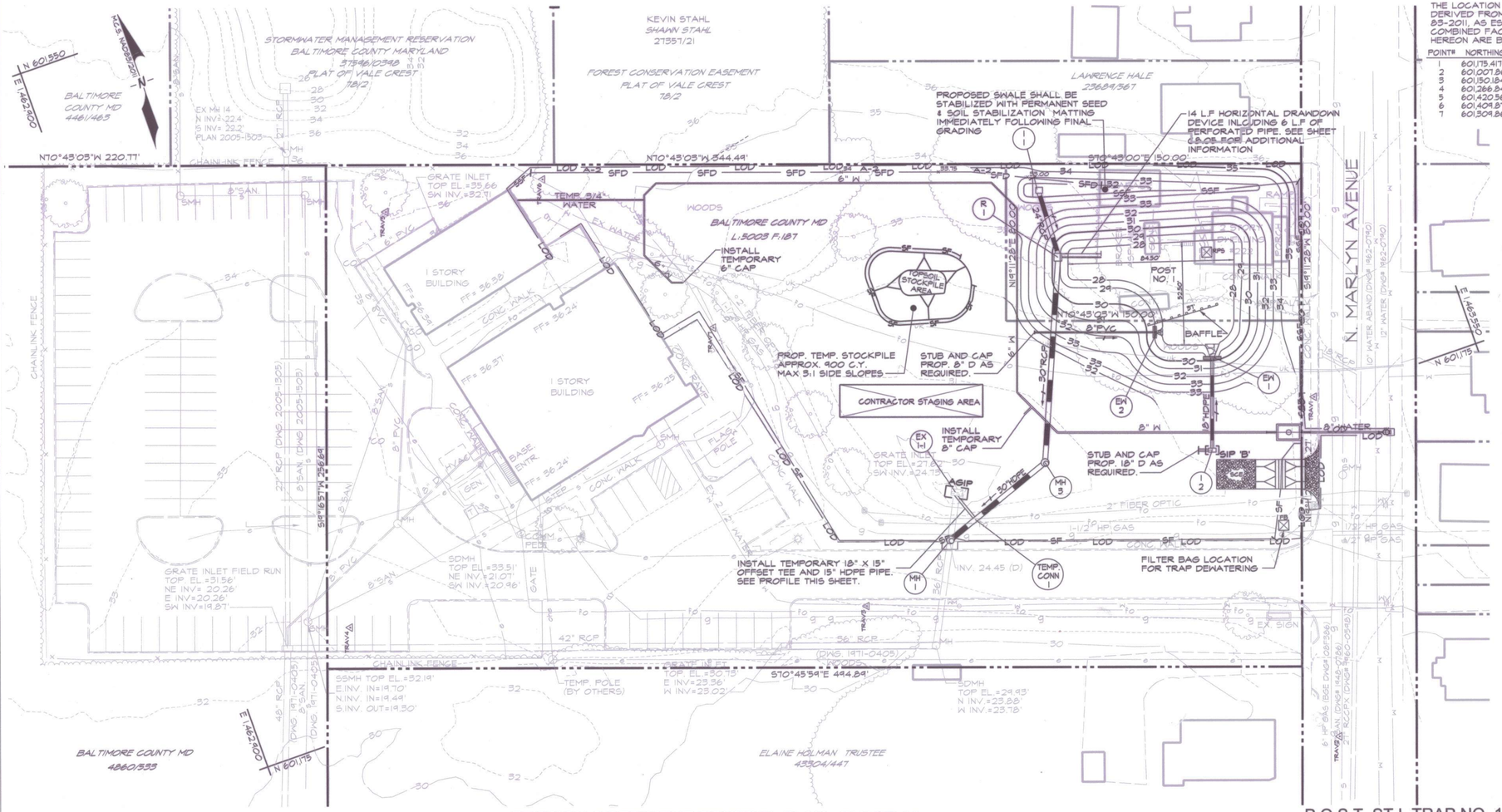
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

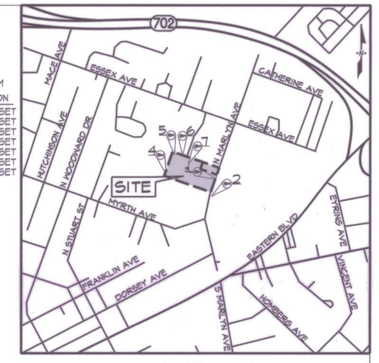
SHEET DESIGNATION	CONTRACT NUMBER
C7.03	25022 PPO
JOB ORDER NUMBER	PROJ–10000636
SHEET 24 OF 295	
DRAWING NUMBER	2025-0915
FILE NO.: 8	



BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.999976699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601,007.8621	1,463,415.8510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,268.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5684	1,463,041.4854	36.10	REBAR+CAP SET
6	601,409.8757	1,463,127.7853	36.14	REBAR+CAP SET
7	601,309.8605	1,463,184.2642	35.07	REBAR+CAP SET

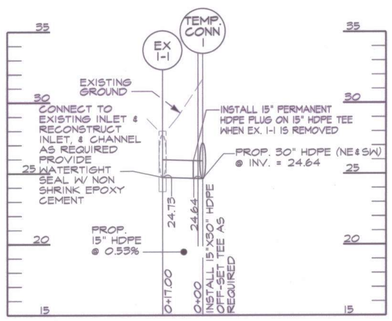


VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T/O — EX. COMMUNICATION
- OHE — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X X X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER LINE
- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- SSF — SUPER SILT FENCE
- SF — SILT FENCE
- SFD — SUPER FENCE DIVERSION
- STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- SIP — STANDARD INLET PROTECTION
- AGIP — AT GRADE INLET PROTECTION
- RPS — REMOVABLE PUMPING STATION
- FB — FILTER BAG



STORM DRAIN PROFILE (TEMP. CONN.-1TO EX I-1)

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

EROSION & SEDIMENT CONTROL PLAN - PHASE 1A

SCALE: 1" = 30'

GRADING GENERAL NOTES

1. THERE SHALL BE NO CLEARING, GRADING OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, FOREST BUFFER EASEMENT OR CRITICAL AREA EASEMENT EXCEPT AS PERMITTED BY DEPS.
2. HIGH VISIBILITY ORANGE SAFETY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD) WHEREVER THE LOD IS WITHIN 50 FEET OF ANY FOREST BUFFER, FOREST CONSERVATION OR CRITICAL AREA EASEMENT. THIS FENCE SHALL BE INSPECTED AND APPROVED BY DEPS AT THE PRECONSTRUCTION MEETING.

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, SEEDING FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

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

DRAINAGE AREA - INITIAL	0.26	ACRES
DRAINAGE AREA - INTERIM	1.12	ACRES
DRAINAGE AREA - FINAL	1.30	ACRES
TOTAL STORAGE REQUIRED	4,680	CF
TOTAL STORAGE PROVIDED	10,685	CF
WET STORAGE REQUIRED	2,340	CF
WET STORAGE PROVIDED	5,382	CF
DRY STORAGE REQUIRED	2,340	CF
DRY STORAGE PROVIDED	7,303	CF
TRAP BOTTOM ELEVATION	28.00	FT
TRAP BOTTOM DIMENSIONS	84.5 x 52.5	FTxFT
RISER CREST (DRY STOR.) ELEV.	30.50	FT
OUTLET (WET STOR.) ELEVATION	29.00	FT
CLEANOUT ELEVATION	28.50	FT
TOP OF EMBANKMENT ELEV.	33.00	FT
SIDE SLOPE	4:1	H:V RATIO
EMBANKMENT TOP WIDTH	4.0	FT
TOP BAFFLE ELEV.	29.75	FT
PRINCIPAL SPILLWAY MATERIAL (BARREL, RISER, TRASH RACK)	SEE DETAILS	
EXTERNAL RISER DIMENSIONS	5'-4"x5'-4"	FTxFT
INTERNAL RISER DIMENSIONS	4' x 4'	FTxFT
BARREL DIAMETER	30	IN
TRASH RACK DIMENSIONS	4'-4"x4'-4"	FTxFT
TRASH RACK HEIGHT	1'-1"	IN
OUTLET PROTECTION-LENGTH	NA	FT
OUTLET PROTECTION-WIDTH	NA	FT
OUTLET PROTECTION-DEPTH	NA	IN

P.O.S.T. ST I, TRAP NO. 1 STORAGE TABLE

ELEV.	SQ. FT.	AVG. SF.	ELEV.	STOR.	CUM. EL.	STOR. CUM. C.F.
28.00	2,884					
		3,382	1.0	3,382	1.00	
29.00	3,880					3,382
		4,330	1.0	4,330	2.00	
30.00	5,200					7,922
		5,532	0.5	2,744	3.00	
30.50	5,850					10,685
		6,230	0.5	3,093	3.50	
31.00	6,600					13,797
		7,405	1.0	7,405	4.00	
32.00	8,200					21,197

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.
PHASE 1A LIMIT OF DISTURBANCE (ESC): 60,565 SF. OR 1.40 AC.

NOTE:
SEE SHEET C8.06 FOR SEQUENCE OF CONSTRUCTION

NOTE:
TO PREVENT THE BYPASS OF INLETS PROVIDE DIVERSION MEASURES (EARTH BERM, STONE BERM TREM. ASPHALT BERM) TO DIRECT FLOW TO INLETS.

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

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL 6-20-25
DATE
Jeffrey L. Wentz
DISTRICT OFFICIAL
035-3287-25
PLAN NO.

TECHNICAL REVIEW FOR THE DISTRICT BY:
Dove Bachman

THIS PLAN APPROVAL WILL EXPIRE THREE (3) YEARS FROM THE APPROVAL DATE.

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 6.12.25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT CONTROL PLAN - PHASE 1A

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

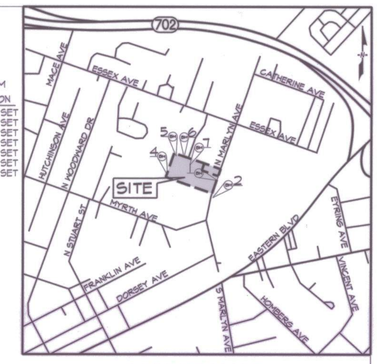
ESC SHEET	SHEET DESIGNATION	CONTRACT NUMBER
1 OF 8	C8.00	25022 PPO

JOB ORDER NUMBER: PROJ-10000636
SHEET 25 OF 295
DRAWING NUMBER: 2025-0916
FILE NO.: 8

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
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2	601,007.8621	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,268.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.3684	1,463,047.4859	36.10	REBAR+CAP SET
6	601,408.8757	1,463,127.1453	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- EX. GAS MAIN
- EX. COMMUNICATION
- EX. OVERHEAD ELECTRIC
- EX. ELECTRIC
- EX. SANITARY SEWER
- EX. STORM DRAIN
- 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. LIGHT POLE
- EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LIMIT OF DISTURBANCE
- PROP. INDEX CONTOUR
- PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- PROP. WATER LINE
- PROP. SANITARY SEWER LINE
- PROP. STORM DRAIN
- PROP. MANHOLE
- PROP. COMM. CONDUIT
- SUPER FENCE DIVERSION
- SUPER SILT FENCE
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE (w/ TYPE 'A' MOUNTABLE BERM)
- RPS — REMOVABLE PUMPING STATION
- FB — FILTER BAG
- TEMPORARY ASPHALT TRANSITION
- TEMPORARY ASPHALT DRIVEWAY

EROSION & SEDIMENT CONTROL PLAN - PHASE 1B

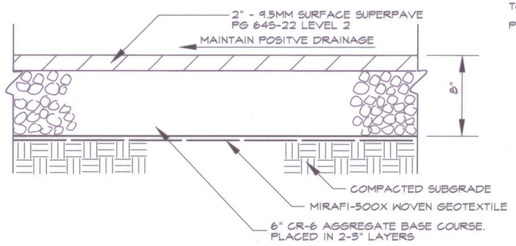
SCALE: 1" = 30'

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, SEEDING FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND 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



1 / C8.01 TEMORARY DRIVEWAY SECTION

NOT TO SCALE

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.

PHASE 1B LIMIT OF DISTURBANCE (ESC): 84,893 SF. OR 1.95 AC.

GRADING GENERAL NOTES

1. THERE SHALL BE NO CLEARING, GRADING OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, FOREST BUFFER EASEMENT OR CRITICAL AREA EASEMENT EXCEPT AS PERMITTED BY DEPS.
2. HIGH VISIBILITY ORANGE SAFETY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD) WHEREVER THE LOD IS WITHIN 50 FEET OF ANY FOREST BUFFER, FOREST CONSERVATION, OR CRITICAL AREA EASEMENT. THIS FENCE SHALL BE INSPECTED AND APPROVED BY DEPS AT THE PRECONSTRUCTION MEETING.

NOTE:
SEE SHEET C8.06 FOR SEQUENCE OF CONSTRUCTION

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

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. West 6-20-25
DATE

ESC SHEET 2 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.01	25022 PPO

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 6-12-25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

CONTRACT COMPLETION BOX

AS-BUILT / REVISION	BY	DATE

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT CONTROL PLAN - PHASE 1B

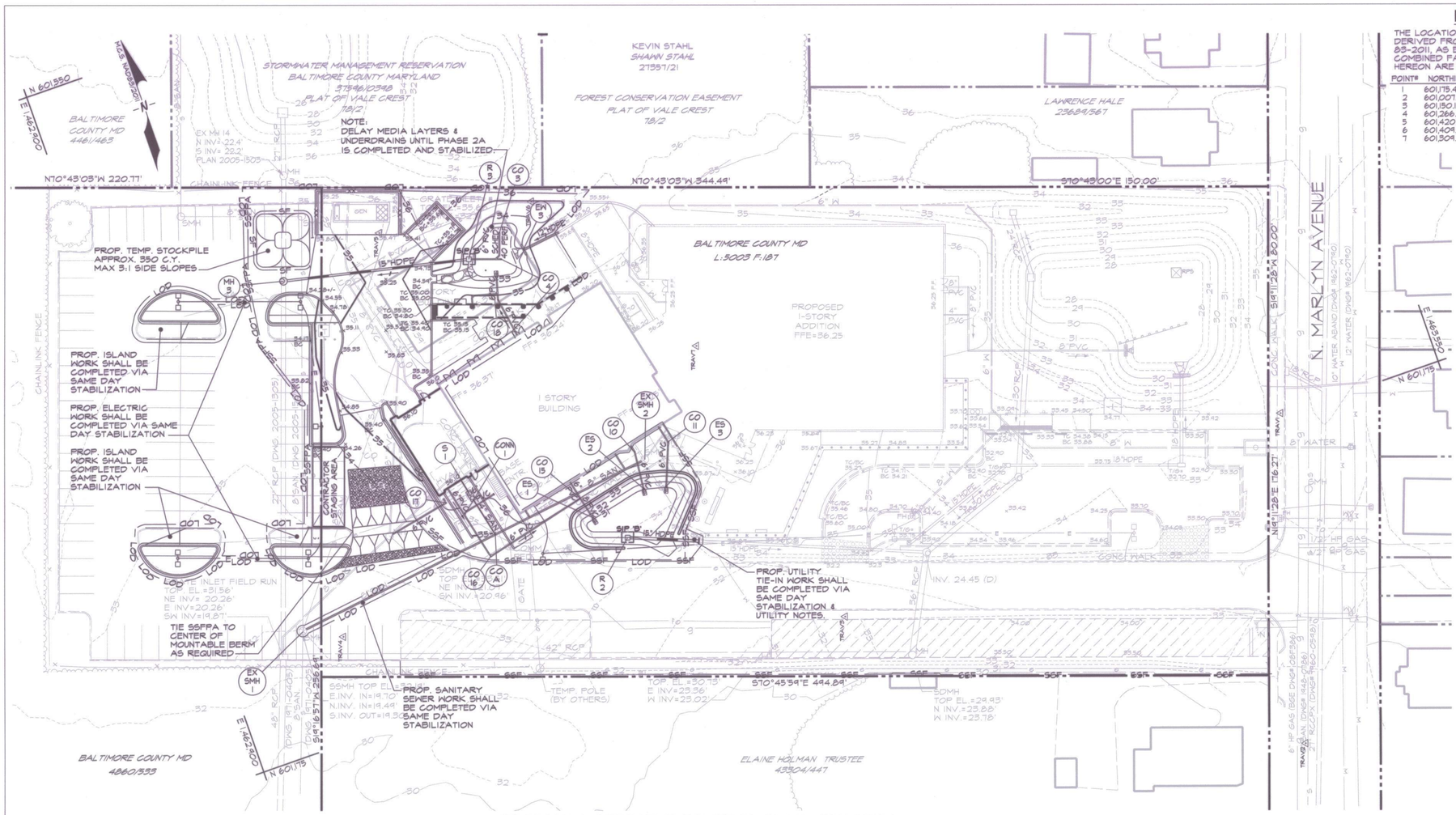
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

JOB ORDER NUMBER	SHEET 26 OF 295	DRAWING NUMBER	FILE NO.: 8
PROJ-10000636		2025-0917	



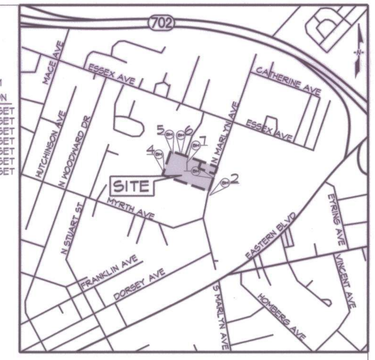
EROSION & SEDIMENT CONTROL PLAN - PHASE 2A

SCALE: 1" = 30'

BENCHMARK DATA

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POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
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2	601,007.8627	1,463,415.6510	33.09	REBAR+CAP SET
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5	601,420.5689	1,463,047.4859	36.10	REBAR+CAP SET
6	601,409.8757	1,463,127.7455	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.01	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 50 — EX. INDEX CONTOUR
- 51 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T-C — EX. COMMUNICATION
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- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER LINE
- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SFD — SUPER FENCE DIVERSION
- SSFFA — SUPER SILT FENCE FENCE FOR PAVED AREAS
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- RPS — REMOVABLE PUMPING STATION
- FB — FILTER BAG
- SIP — STANDARD INLET PROTECTION

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ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.

PHASE 2A LIMIT OF DISTURBANCE (ESC): 32,471 SF. OR 0.75 AC.

GRADING GENERAL NOTES

1. THERE SHALL BE NO CLEARING, GRADING OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, FOREST BUFFER EASEMENT OR CRITICAL AREA EASEMENT EXCEPT AS PERMITTED BY DEPS.
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NOTE:
SEE SHEET C8.06 FOR SEQUENCE OF CONSTRUCTION

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

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. Wastl 6-20-25
DATE

ESC SHEET 3 OF 8

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 6-12-25

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. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: SM
DRN BY: SG
CHKD BY: SM

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

KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' ; 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT CONTROL PLAN - PHASE 2A

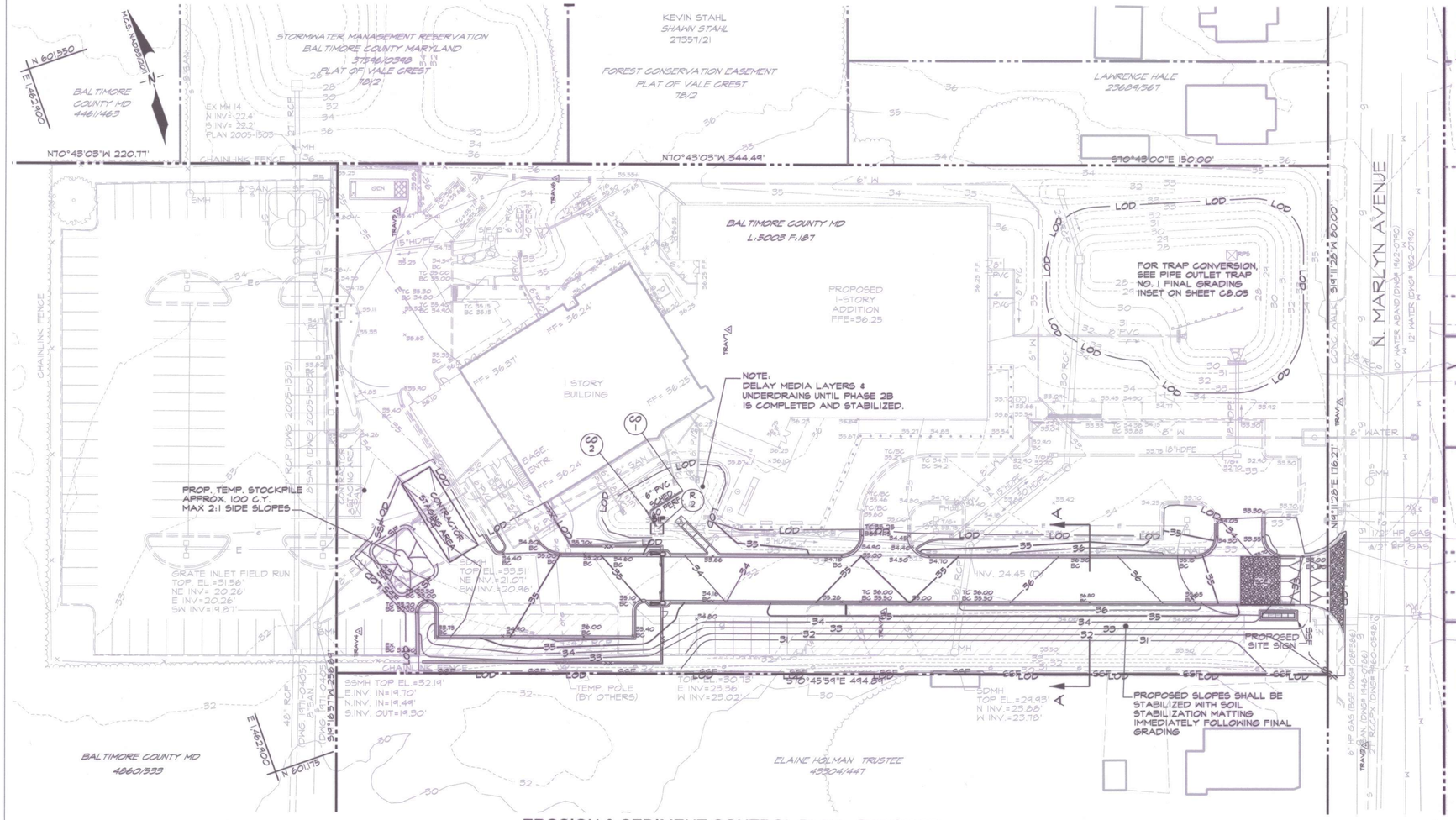
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.02	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 27 OF 295	
DRAWING NUMBER	
2025-0918	
FILE NO.: 8	REV. 01/22



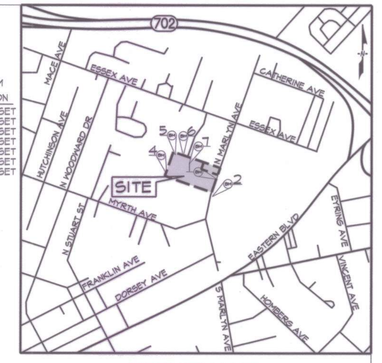
EROSION & SEDIMENT CONTROL PLAN - PHASE 2B

SCALE: 1" = 30'

BENCHMARK DATA

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VICINITY MAP

SCALE: 1" = 1,000'

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- ADJACENT PROPERTY LINE
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- 31 — EX. INTERMEDIATE CONTOUR
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- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER LINE
- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SFD — SUPER FENCE DIVERSION
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- RPS — REMOVABLE PUMPING STATION
- FB — FILTER BAG
- SIP — STANDARD INLET PROTECTION

NOTE:
TO PREVENT THE BYPASS OF INLETS PROVIDE DIVERSION MEASURES (EARTH BERM, STONE BERM TREM. ASPHALT BERM) TO DIRECT FLOW TO INLETS.

STANDARD STABILIZATION NOTE

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

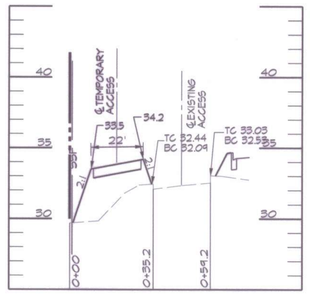
MAINTENANCE NOTE

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

GRAPHIC SCALE

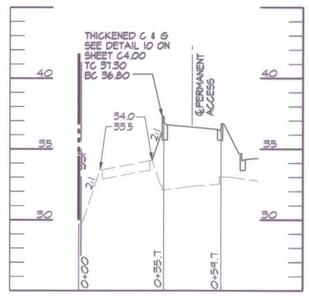
30 0 15 30 60

(IN FEET)
1 inch = 30 ft.



CROSS SECTION 'A-A' (WORST CASE) AT TEMPORARY ACCESS INSTALLATION

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



CROSS SECTION 'A-A' (WORST CASE) AT PERMANENT ACCESS INSTALLATION

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

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.

PHASE 2B LIMIT OF DISTURBANCE (ESC): 46,548 SF. OR 1.07 AC.

GRADING GENERAL NOTES

1. THERE SHALL BE NO CLEARING, GRADING OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, FOREST BUFFER EASEMENT OR CRITICAL AREA EASEMENT EXCEPT AS PERMITTED BY DEPS.
2. HIGH VISIBILITY ORANGE SAFETY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD) WHEREVER THE LOD IS WITHIN 50 FEET OF ANY FOREST BUFFER, FOREST CONSERVATION, OR CRITICAL AREA EASEMENT. THIS FENCE SHALL BE INSPECTED AND APPROVED BY DEPS AT THE PRECONSTRUCTION MEETING.

NOTE:
SEE SHEET C8.06 FOR SEQUENCE OF CONSTRUCTION

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffrey P. Wastl 6-20-25
DATE

ESC SHEET 4 OF 8

SEAL

STATE OF MARYLAND
MARIANNE K. CRAMPTON
No. 25058
PROFESSIONAL ENGINEER
6-12-25

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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

PLAN SCALE: 1"=30'
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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT CONTROL PLAN - PHASE 2B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

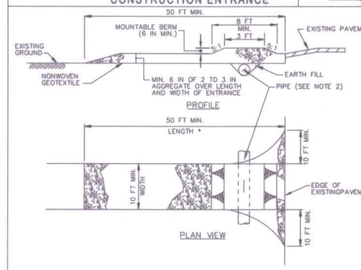
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.03	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 28 OF 295	
DRAWING NUMBER	
2025-0919	
FILE NO.: 8	

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL: SCE



CONSTRUCTION SPECIFICATIONS

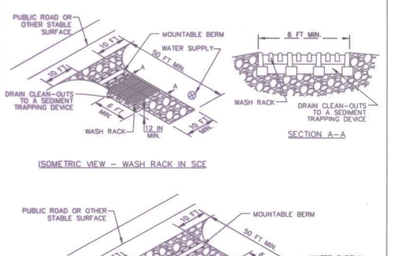
1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING 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

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	201 1	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-2 WASH RACK OPTION

STANDARD SYMBOL: WR



CONSTRUCTION SPECIFICATIONS

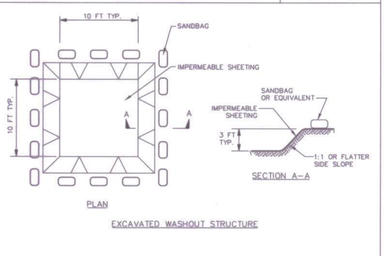
1. USE A WASH RACK DESIGNED AND CONSTRUCTED/MANUFACTURED FOR THE ANTICIPATED TRAFFIC LOADS. CONCRETE, STEEL, OR OTHER MATERIALS ARE ACCEPTABLE. PRE-FABRICATED UNITS SUCH AS CATTLE GUARDS ARE ACCEPTABLE. USE MINIMUM DIMENSION OF 6 FEET x 10 FEET, ORIENT DIRECTION OF RIBS AS SHOWN ON THE DETAIL.
2. INSTALL PRIOR TO, ALONG SIDE OF, OR AS PART OF THE SCE.
3. DIRECT WASH WATER TO AN APPROVED SEDIMENT TRAPPING DEVICE.
4. KEEP AREA UNDER WASH RACK FREE OF ACCUMULATED SEDIMENT. IF DAMAGED, REPAIR OR REPLACE WASH RACK.

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 H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL: CWS



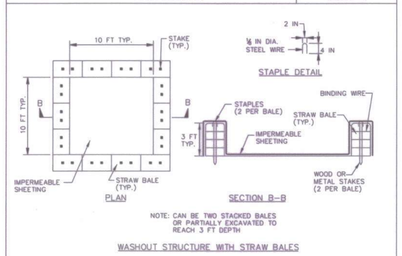
1 OF 2

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 H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL: CWS



NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

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.

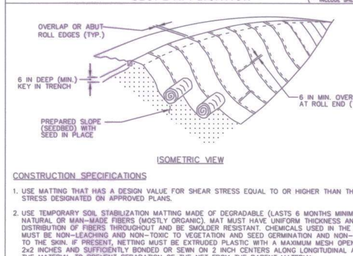
2 OF 2

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-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.

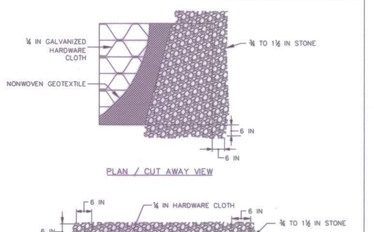
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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

DETAIL 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.

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 E-3 SUPER SILT FENCE

STANDARD SYMBOL: SSF

CONSTRUCTION SPECIFICATIONS

1. INSTALL 2½ 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 38 INCHES INTO THE GROUND.
2. FASTEN 6 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2½ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HOG 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 ΔT 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 5 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.

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 REVISED - 5/2023	MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL C-1 EARTH DIKE

STANDARD SYMBOL: A-1 PLACE DESIGNATION (e.g. A-1) ON FLOW CHANNEL SIDE OF DIKE

DIKE TYPE	A	B
a – DIKE HEIGHT	18 IN MIN.	30 IN MIN.
b – DIKE WIDTH	24 IN MIN.	36 IN MIN.
c – FLOW WIDTH	4 FT MIN.	6 FT MIN.
d – FLOW DEPTH	12 IN MIN.	24 IN MIN.

FLOW CHANNEL STABILIZATION

A-1	SEED WITH STRAW MULCH AND TACK. (NOT ALLOWED FOR CLEAR WATER DIVERSION.)
A-2/B-2	SEED WITH SOIL STABILIZATION MATTING OR LINE WITH SOD.
A-3/B-3	4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PRESSED INTO SOIL A MINIMUM OF 7 INCHES AND FLUSH WITH GROUND.

CONSTRUCTION SPECIFICATIONS

1. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF EARTHDIKE.
2. EXCAVATE OR SHAPE EARTH DIKE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
3. COMPACT FILL.
4. CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
6. STABILIZE EARTH DIKE WITHIN THREE DAYS OF INSTALLATION. STABILIZE FLOW CHANNEL FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP EARTH DIKE AND POINT OF DISCHARGE FREE OF EROSION, AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.
8. UPON REMOVAL OF EARTH DIKE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

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 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

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	MODIFIED – 2012	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL C-9 SUPER FENCE DIVERSION

STANDARD SYMBOL: SFD

MAXIMUM DRAINAGE AREA = 5 ACRES
MAXIMUM ALLOWABLE SLOPE ALONG THE FENCE = 10%
A = 4 FOOT FLOW CHANNEL WIDTH
B = 6 FOOT FLOW CHANNEL WIDTH

CONSTRUCTION SPECIFICATIONS

1. USE 42 INCH HIGH, 6 GAUGE OR HEAVIER CHAIN LINK FENCING (2¾ INCH MAXIMUM OPENING).
2. USE 2½ 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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
MODIFIED FOR USE IN BALTIMORE COUNTY

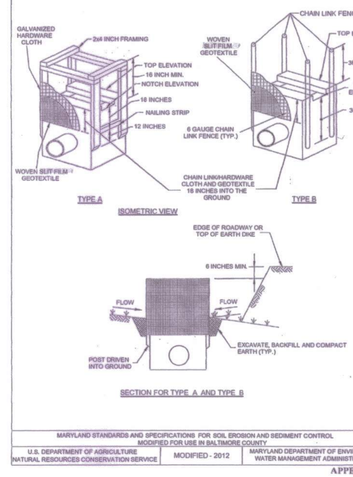
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	MODIFIED FOR USE IN BALTIMORE COUNTY	MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

REVISED 2020

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL: SP

TYPE A MAXIMUM DRAINAGE AREA = ¾ ACRE
TYPE B MAXIMUM DRAINAGE AREA = 1 ACRE



1 OF 2

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

APPENDIX 21

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL: SP

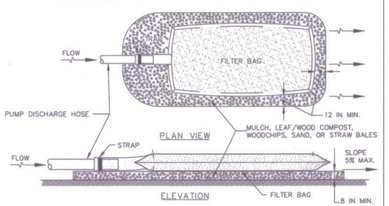
CONSTRUCTION SPECIFICATIONS

1. USE WOVEN GEOTEXTILE (AS INDICATED ON THE STANDARD INLET PROTECTION DETAIL) AS SPECIFIED IN SECTION H-1 MATERIALS.
2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
3. FOR TYPE A, USE NOMINAL 2x4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2x4 INCH FRAME AS SHOWN. STRETCH ¼ INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED TO THE POST.

   FOR TYPE B, USE 2½ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.15 INCH WALL THICKNESS AND 6 FOOT LENGTH, DRIVEN A MINIMUM OF 36 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTUR

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

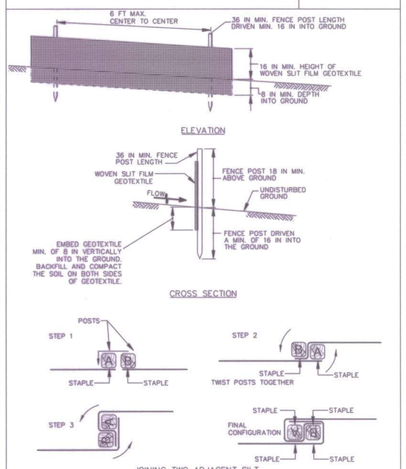
6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

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 E-1 SILT FENCE

STANDARD SYMBOL: —SF—



1 OF 2

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 E-1 SILT FENCE

STANDARD SYMBOL: —SF—

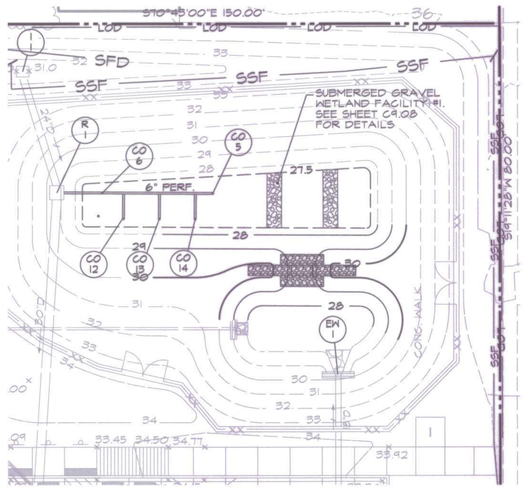
CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1¾ X 1¾ ± ⅛ 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.

2 OF 2

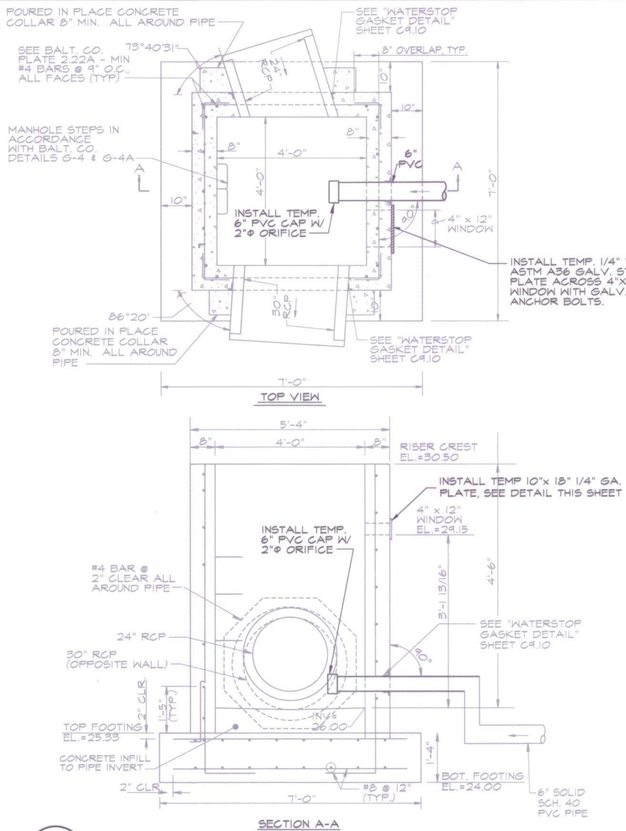
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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



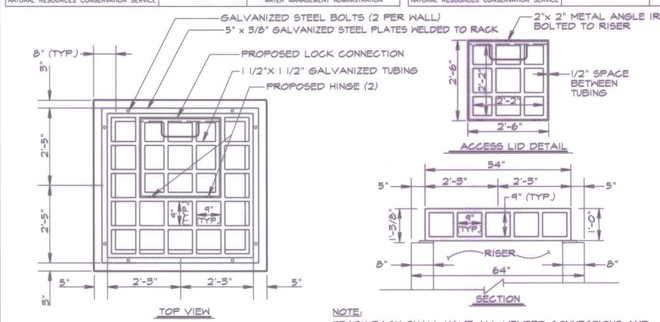
PIPE OUTLET TRAP NO. 1 FINAL GRADING INSET

SCALE: 1" = 20'



1 C8.05 SEDIMENT CONTROL TEMPORARY RISER MODIFICATIONS

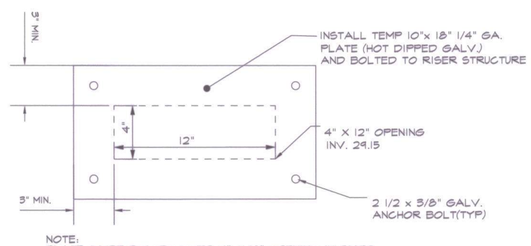
NOT TO SCALE



NOTE:
TRASH RACK SHALL HAVE ALL WELDED CONNECTIONS AND MUST BE HOT DIPPED GALVANIZED AFTER FABRICATION

2 C8.05 TRASH RACK DETAIL R-1

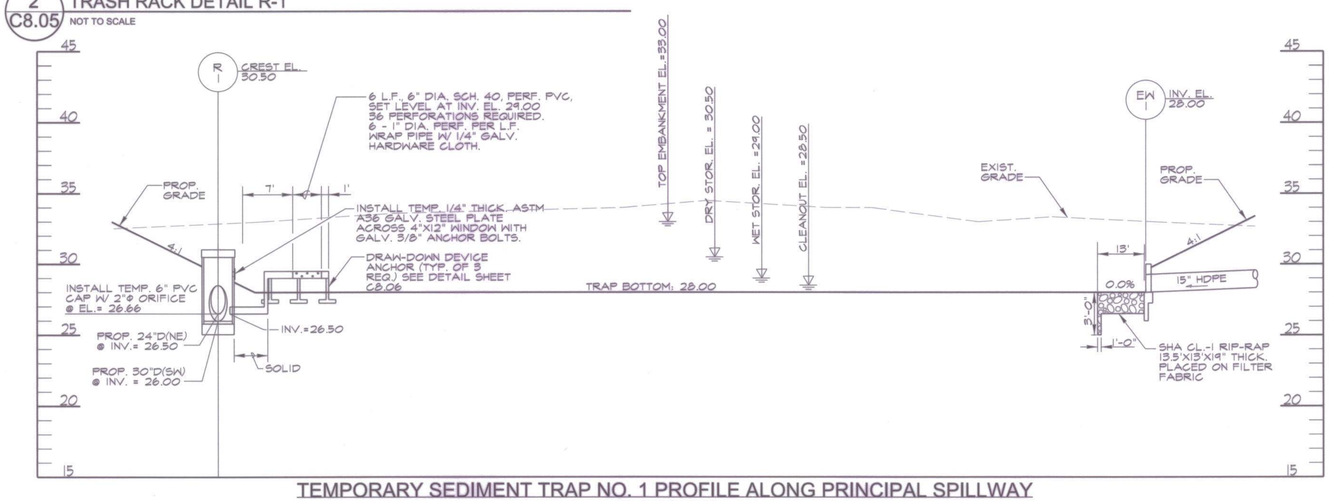
NOT TO SCALE



NOTE:
PLATE TO BE BOLTED OVER 4" X 12" OPENING IN RISER. PROVIDE A NEOPRENE BEAD ALONG EDGE FOR WATER TIGHT SEAL.

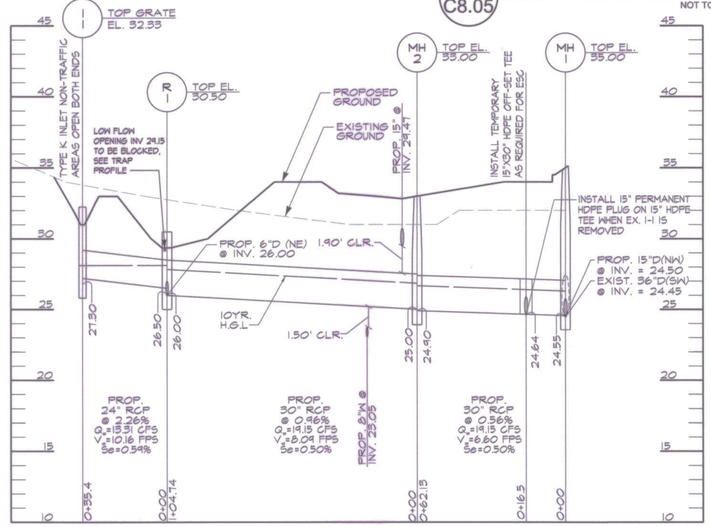
TEMPORARY PLATE DETAIL

NOT TO SCALE



TEMPORARY SEDIMENT TRAP NO. 1 PROFILE ALONG PRINCIPAL SPILLWAY

SCALE: HORIZ. 1" = 10'
VERT. 1"=5'



STORM DRAIN PROFILE (I-1 TO MH-1)

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

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
Jeffery P. Wastler 6.30.25
DATE

ESC SHEET 6 OF 8

SHEET DESIGNATION	CONTRACT NUMBER
C8.05	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 30 OF 295	
DRAWING NUMBER	2025-0921
FILE NO.: 8	

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 6.12.25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION

	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT CONTROL DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

EROSION & SEDIMENT CONTROL NOTES

1. THE 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 SHALL 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" 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 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 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. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
13. NO PROPOSED SLOPE SHALL BE GREATER THAN 2:1.
14. 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.
15. 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.
16. 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.
17. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
18. 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.
19. 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.
20. SEDIMENT CONTROL TRAFFIC NOTE:
    "ANY TRAVELING AND/OR SWEEPING 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".
21. TOPSOIL STOCKPILE AREA SHOWN ON THE PLAN IS BASED ON THE ESTIMATED VOLUME OF TOPSOIL TO BE STRIPPED. THE AREA SHOWN ASSUMES A MAXIMUM STOCKPILE 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.
22. UPON INSTALLATION OF THE BASE PAVEMENT AND AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR, RELOCATE THE STABILIZED CONSTRUCTION ENTRANCES AND INSTALL ADDITIONAL CONTROL MEASURE (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.

OWNER'S DEVELOPERS 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 APPROVED 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.

GM Doran — 6/12/2025
SIGNATURE — DATE

Gregory M. Doran — Chief of Capital Construction
PRINT NAMEE — TITLE

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 HAS 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."

Marianne K. Crampton — 6/12/2025
SIGNATURE — DATE

MARIANNE K. CRAMPTON, PE — 25058
PRINT NAME — MD LICENSE NUMBER

TRAP/BASIN 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.

SEQUENCE OF CONSTRUCTION

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

PHASE 1A

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS AND 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)210-2478) 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 THE FOREST BUFFER/CONSERVATION EASEMENT. ORANGE HIGH VISIBILITY FENCE SHALL BE INSTALLED ALONG / AROUND ALL TREES TO BE SAVED. THIS WORK SHALL BE COMPLETED BY THE CONTRACTOR 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, SILT FENCE, AND SUPER SILT FENCE, AT EDGES OF THE LOD. EXISTING INLETS WITHIN LOD TO HAVE INLET PROTECTION.
6. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL, UPON COMPLETION OF SAID INSTALLATION.
7. WITH APPROVAL OF THE BC-PAI-SC INSPECTOR CLEAR AND GRUB AREA TO ACCESS AND INSTALL STORM DRAIN FROM I-1 TO MH-1, INCLUDING TEMPORARY 15" PIPE. PROVIDE A MINIMUM OF 2 FEET OF COVER OVER PIPES AT ALL TIMES. SEE STORM DRAIN PROFILE FOR VERTICAL ALIGNMENT. GRADE SWALE AND SUMP GRADES TO I-1, INSTALL SPD AS SHOWN ALONG ESTABLISHED GRADES. INSTALL 95F ALONG SWALE & SUMP AND STABILIZE THE SWALE & SUMP WITH PERMANENT SEED AND MATTING.
8. DEMOLISH BUILDINGS AT 222 N. MARLYN AVE AND ABANDON / REMOVE ASSOCIATED UTILITYES. INSTALL THE MODIFIED PIPE OUTLET TRAP. THE TRAP SHALL BE INSTALLED PER THE APPROVED SWM PLANS WITH THE EXCEPTION OF SPECIFIC MODIFICATIONS SHOWN HERE TO ALLOW IT TO FUNCTION AS A TRAP. A REMOVABLE PUMP STATION AND FILTER BAG SHALL BE USED TO DEWATER THE TRAP FOR MAINTENANCE SUCH AS CLEANOUT AND CONVERSION. THE TRAP MUST BE DEWATERED WITHIN 24 HRS OF ANY STORM EVENT.
9. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL, UPON COMPLETION OF THE TRAP CONSTRUCTION.
10. WITH THE APPROVAL OF BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS, SEDIMENT CONTROL AND THE SEDIMENT CONTROL INSPECTOR, PROCEED TO CLEAR AND GRUB REMAINDER OF PHASE 1A. CONCURRENTLY, INSTALL NEW WATER SERVICE TO PROPOSED BUILDING, TEMPORARY WATER TO ANNEX, AND NEW PUBLIC SERVICE CONNECTION.

PHASE 1B

11. INSTALL PHASE 1B CONTROLS AS SHOWN ON SHEET C8.01.
12. WITH PERMISSION OF BC-PAI-SC INSPECTOR, CLEAR & GRUB THE PHASE 1B AREA (DO NOT DISTURB FOR THE TEMPORARY ACCESS ROAD AT THIS TIME). SEE PLANS FOR AREAS REQUIRING DAILY STABILIZATION
13. ROUGH GRADE THE PHASE 1B AREA.
14. INSTALL PROPOSED UTILITIES INCLUDING STORM DRAIN AND INLETS, INSTALL 15" STORM DRAIN FROM MH-1 TO LOCATION SHOWN ON SHEET C8.01, AND CAP. BEGIN ROUGH GRADING OF SITE. INSTALL STONE SUBBASE FOR PAVED AREA.
15. MAINTAIN ACCESS TO EXISTING BUILDING AT ALL TIMES. CONSTRUCT PROPOSED BUILDING ADDITION.
16. CLEAR & GRUB AND INSTALL TEMPORARY ACCESS ROAD.
17. UPON COMPLETION OF THE PROPOSED ADDITION, UTILITIES AND PARKING AREA, STABILIZE THE PHASE 1B AREA.
18. UPON COMPLETION AND STABILIZATION OF THE PHASE 1B AREA WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE INSPECTOR, REMOVE THE PHASE 1B CONTROLS (WITH THE EXCEPTION OF THE SEDIMENT TRAP AND SUPER SILT FENCE BELOW ACCESS ROAD) AND STABILIZE AREAS DISTURBED BY THIS PROCESS

PHASE 2A

19. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN FOR PHASE 2A. MAINTAIN ACCESS TO EX BUILDING AT ALL TIMES.
20. INSTALL SEDIMENT CONTROL DEVICES AS SHOWN FOR PHASE 2A.
21. NOTIFY THE BALTIMORE COUNTY PAI-SC INSPECTOR UPON COMPLETION OF SAID INSTALLATIONS.
22. WITH THE APPROVAL OF THE BC-PAI-SC INSPECTOR DEMOLISH THE EXISTING ANNEX BUILDING AND CLEAR AND DEMOLISH THE PHASE 2A AREA. (SEE PLANS FOR AREAS REQUIRING DAILY STABILIZATION)
23. GRADE PHASE 2A AREA INCLUDING PROPOSED STORMWATER FACILITIES (SWM MEDIA AND UNDERDRAINS SHALL NOT BE INSTALLED AT THIS TIME.)
24. INSTALL 15" STORM DRAIN FROM MH-3 TO STRUCTURE R-3. PROVIDE STANDARD INLET PROTECTION AT STRUCTURE R-3.
25. COMPLETE RENOVATION OF EXISTING BUILDING. CONCURRENTLY CONSTRUCT PROPOSED SALLY PORT, INSTALL SEWER TO EXISTING BUILDING, AND FROM SMH-1 TO SMH-2. COMPLETE STORM DRAIN INSTALLATION FROM MH-1 TO STRUCTURE R-2, REMOVE CAP. INSTALL SIP AT R-2. INSTALL REMAINING DRAINS, INSTALL STONE SUBBASE, CURB & GUTTER FOR PAVED AREA.
26. PERMANENTLY STABILIZE THE PHASE 2A.
27. UPON COMPLETION AND STABILIZATION OF THE PHASE 2A AREAS WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL OF THE BC-PAI-SC INSPECTOR, COMPLETE INSTALLATION OF MICRO-BIORETENTION #2 PER THE APPROVED STORMWATER MANAGEMENT PLANS.
28. UPON COMPLETION AND STABILIZATION OF THE PHASE 2A AREAS WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL OF THE BC-PAI-SC INSPECTOR, REMOVE THE PHASE 2A CONTROLS (EXCLUDING THE SEDIMENT TRAP & SIP AT R-2) AND STABILIZE AREAS DISTURBED BY THIS PROCESS.

PHASE 2B

29. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCE AS SHOWN FOR PHASE 2B.
30. WITH PERMISSION OF BC-PAI-SC INSPECTOR, ROUGH GRADE AND PROVIDE FILL FOR REBUILDING DRIVEWAY. DELAY GRADING & IMPROVEMENTS WHICH CONFLICT WITH THE TEMPORARY ACCESS ROAD.
31. COMPLETE ALL FINAL CURB & GUTTER, SIDEWALKS, AND PAVING THAT ARE OUTSIDE OF THE TEMPORARY ACCESS ROAD. ANY SEDIMENT DEPOSITED ON THE TEMPORARY ACCESS ROAD SHALL BE REMOVED BY SWEEPING, VACUMING OR SCRAPING
32. ONCE THE NEW ENTRANCE ROAD CAN BE OPEN TO TRAFFIC, REMOVE THE TEMPORARY ACCESS ROAD AND COMPLETE REMAINING GRADING AND IMPROVEMENTS.
33. PERMANENTLY STABILIZE ALL PHASE 2B AREAS, STABILIZE SLOPES WITH PERMANENT SEED AND MATTING WHERE SHOWN.
34. WITH PERMISSION OF BC-PAI-SC INSPECTOR, COMPLETE MICRO-BIORETENTION #1 PER THE APPROVED STORMWATER MANAGEMENT PLANS.
35. ONCE CONTRIBUTING DRAINAGE AREAS ARE COMPLETED AND STABILIZED WITH ESTABLISHED VEGETATION, AND WITH APPROVAL OF THE BC-PAI-SC INSPECTOR PERFORM CONVERSION OF TRAP #1 TO SWM #1 PER THE APPROVED SWM PLANS.

    NOTES FOR SEDIMENT TRAP #1 CONVERSION:

    A. FLUSH STORM DRAIN SYSTEMS, DEWATER AND PERFORM FINAL TRAP CLEANOUT. TAKE SPOIL MATERIAL OFF-SITE TO A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN AND OPEN GRADING PERMIT.

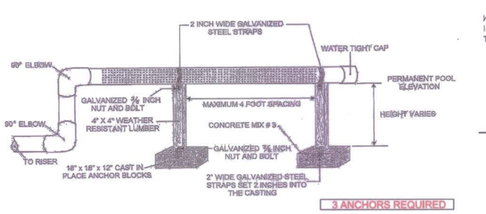
    B. UNDER A THREE-DAY DRY WEATHER FORECAST AND SUPERVISED BY THE GEOTECHNICAL ENGINEER, PLACE IMPERMEABLE LINER AND BEGIN BACKFILLING WITH #57 STONE UP TO THE DESIGN ELEVATION ON APPROVED STORMWATER MANAGEMENT PLANS, INCLUDING UNDERDRAIN PIPE AS APPROPRIATE.

    C. INSTALL ALL ADDITIONAL COMPONENTS PER SECTION A-A ON SHEET C9.09.

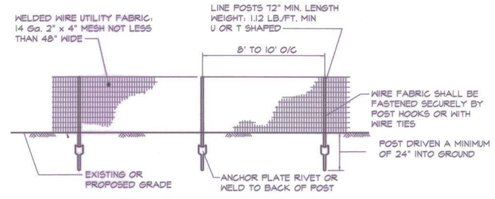
    D. STABILIZE PER THE APPROVED STORMWATER MANAGEMENT PLANS.
36. UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION, AND WITH APPROVAL OF THE BC-PAI-SC INSPECTOR, REMOVE ALL ESC MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.
37. SUBMIT AS BUILT PLANS WITHIN 30 DAYS OF PROJECT COMPLETION.

UTILITY NOTES

1. THE CONTRACTOR SHALL 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.

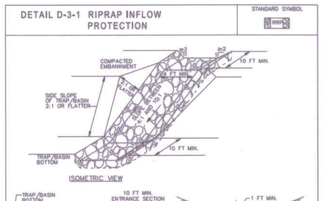


HORIZONTAL DRAW-DOWN DEVICE ANCHOR DETAIL
NOT TO SCALE
APPENDIX 28



TEMPORARY SAFETY FENCE FOR SEDIMENT TRAPPING DEVICES
NOT TO SCALE

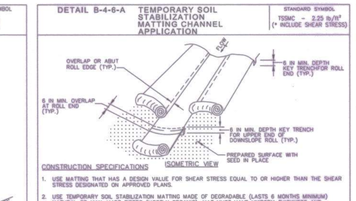
DETAIL D-3-1 RIPRAP INFLOW PROTECTION
STANDARD SYMBOL: RIPIN



CONSTRUCTION SPECIFICATIONS
1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
2. CONSTRUCT INFLOW CHANNEL WITH CLASS I RIPRAP OR EQUIVALENT RECYCLED CONCRETE LINING TO A MINIMUM DEPTH OF 19 INCHES (2 x D_{50}) AND A 1 FOOT DEEP FLOW CHANNEL. INFLOW SWALE PROTECTION CHANNEL MUST HAVE A TRAPEZOIDAL CROSS SECTION WITH 2:1 OR FLATTER SIDE SLOPES AND A 4 FOOT MINIMUM BOTTOM WIDTH.
3. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
4. BLEND RIPRAP INTO EXISTING GROUND.
5. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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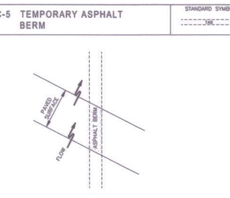
DETAIL B-4-6-A TEMPORARY SOIL STABILIZATION MATTING CHANNEL APPLICATION
STANDARD SYMBOL: TSSMC — 2.25 lb/ft² (* INCLUDE SHEAR STRESS)



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 NON-WASTE FIBERS (MARYLAND ORIGIN). 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-HAZARDOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 1½ 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 6 TO 8 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 NOMINAL 2-INCH-BY-WOOD, 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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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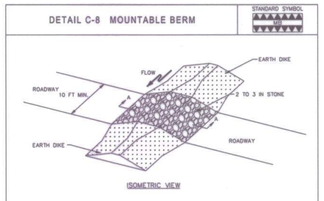
DETAIL C-5 TEMPORARY ASPHALT BERM
STANDARD SYMBOL: TABC



CONSTRUCTION SPECIFICATIONS
1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 6 INCHES MINIMUM AND APPROXIMATE WIDTH OF 78 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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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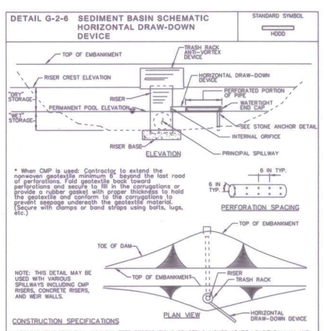
DETAIL C-8 MOUNTABLE BERM
STANDARD SYMBOL: MB



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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
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DETAIL G-2-6 SEDIMENT BASIN SCHEMATIC HORIZONTAL DRAW-DOWN DEVICE
STANDARD SYMBOL: HDDD



* When CMP is used: Contractor to extend the nonwoven geotextile minimum 6" beyond the last road of perforations. Fold geotextile back toward perforations and secure with 6" in the corrugations or by a geotextile band. Use sufficient corrugations to hold the geotextile and conform to the corrugations to prevent seepage underneath the geotextile material. (Secure with clamps or band straps using bolts, lugs, etc.)

NOTE: THIS DETAIL MAY BE USED WITH VARIOUS SPILLWAYS INCLUDING CMP RISERS, CONCRETE RISERS, AND WEIR WALLS.

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. SEE HORIZONTAL DRAWDOWN DEVICE ANCHOR DETAIL.
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

MAA VEGETATIVE ESTABLISHMENT DETAILS AND SPECIFICATIONS FOR PROJECTS WITHIN 3 MILES OF THE MARTIN STATE AIRPORT

SECTION 329201X SEEDING

Include MAA Landscaping Reference "Approved Installation Methods" in the Contract Documents when using this specification.

PART 1 – GENERAL

1.1 GENERAL. This item provides specifications for seeding of areas as designated on the Contract Drawings or as directed by the MAA Engineer. The species, mixtures, and methods of application provided in this item have been designed to reduce the attractiveness of airport grounds to wildlife. Only MAA-approved species, mixtures, and rates of application provided in this item may be used to establish vegetation. All activities associated with seeding including soil preparation, seed application, fertilization, and maintenance shall also conform to these approved standards.

PART 2 – PRODUCTS

2.1 SEED. All seed shall comply with the Maryland Seed Law (Agricultural Article of the Annotated Code of Maryland). Only MAA-approved species, mixtures, and rates of application provided in this item may be used to establish vegetation. Seed will be sampled and tested by an inspector from the Turf and Seed Section, Maryland Department of Agriculture (MDA), Annapolis, Maryland. All Type and turf seed and mixtures shall be free from the following state-listed restricted noxious weeds:

Corn Cockle (*Agrostemma githago*),
Bentgrass (*Agrostis* spp.)[2],
Redtop (*Agrostis gigantea*)[1]
Wild Onion (*Allium canadense*),
Wild Garlic (*Allium vineale*),
Birdseed (*Cardaria* spp.),
Dodder (*Cuscuta* spp.),
Bermuda Grass (*Cynodon dactylon*),
Orchardgrass (*Dactylis glomerata*),
Tall Fescue (*Festuca arundinacea*)[1]
Meadow Fescue (*Festuca pratensis*)[1],
Velvetgrass (*Holcus lanatus*),
Annual Bluegrass (*Poa annua*),
Rough Bluegrass (*Poa trivialis*)[1],
Timothy (*Phleum pratense*), and
Johnson Grass (*Sorgum halapense*).

Restricted noxious-weed seed may not exceed 0.5 percent by weight of any seed mixture. In addition, all seeds shall be free from the following listed prohibited noxious weeds:

Balloonvine (*Cardiospermum halicacabum*), Quackgrass (*Elytrigia repens*), Sicklepod (*Senna obtusifolia*), Sorghum (*Sorghum* spp.), Canada Thistle (*Cirsium arvense*), Plumeless Thistle (*Carduus* spp.-includes musk thistle and curled thistle), and Serrated Tussock (*Nassella trichotoma*).

[1] These species may be included as a labeled component of a mixture when each is present in excess of five percent of the mixture by weight.

A. APPROVED SPECIES. The following table contains species that are approved by MAA for use in seed mixtures. Purity requirements and germination requirements are also provided.

APPROVED PLANT SPECIES MAA SEED MIXTURES

	Purity[1] Not Less than %	Minimum % Germination[2]	Pure Live Seed Factor
Certified Turf-Type Tall Fescue (*Festuca arundinacea*)	98	90	1.13
Certified Kentucky Bluegrass (*Poa pratensis*)	90	80	1.39
Fowl Bluegrass (*Poa palustris*)	90	80	1.39
Hard Fescue (*Festuca longifolia*)	98	90	1.13
Chewings Red Fescue (*Festuca rubra commutata*)	98	90	1.13
Annual Ryegrass (*Lolium multiflorum*)	95	85	1.24
Perennial Ryegrass (*Lolium perenne*)	90	80	1.39
Creeping Bentgrass (*Agrostis stolonifera*)	90	80	1.39
Switchgrass (*Panicum virgation*)	90	80	1.39
Little Bluestem (*Andropogon scoparius*)	62	94	1.71

[1] The percentage weight of pure seed present shall be free of any agriculture seeds, inert matter, and other seeds distinguishable by their appearance.
[2] The percentage of germination shall be actual sprouts and shall not include hard seeds unless specifically permitted by the MAA Engineer.

B. PURITY. All seed shall be free of all state-designated noxious weeds listed in Paragraph 2.1.1 and conform to MAA specifications. To ensure compliance, MAA requires sampling and testing of seed by the Turf and Seed Section, Maryland Department of Agriculture (MDA). The Contractor shall furnish the MAA Engineer with duplicate signed copies of a statement by the Turf and Seed Section certifying that each lot of seed has been laboratory tested within six months of date of delivery. This statement shall include the following information:

- Name and address of laboratory,
- Date of test,
- Lot number,
- The results of tests as to name, percentages of purity and of germination,
- Percentage of weed content for the seed furnished,
- and, in the case of a mixture, the proportions of each kind of seed.

Seed shall be furnished in standard containers with the seed name, lot number, net weight, percentages of purity, germination, and hard seed, and percentage of maximum weed seed content clearly marked. All seed containers shall be tagged with a MDA supervised mix program seed tag.

C. MIXTURES AND APPLICATION RATES. Only seed mixtures and application rates described in this item may be used unless otherwise approved by the MAA Engineer. Seed mixtures shall meet criteria detailed in Paragraph 903-2.1.2. Seed mixtures have been formulated to minimize the attractiveness of areas to wildlife of common landscape scenarios. The appropriate seed mixture for application will be designated based on environmental conditions and may vary from site to site. All planting rates listed are in pounds of Pure Live Seed (PLS) per acre.

Seed mixtures, application scenarios, and rates *for permanent cool-season grasses* are as follows:

a. Seed Mixture No. 1 - relatively flat areas (grade less than 4:1) subject to normal conditions and regular mowing (Application rate = 234 lbs PLS/acre);
b. Seed Mixture No. 2 - sloped areas (grade greater than 4:1) not subject to regular mowing (Application rate = 115 lbs PLS/acre); and
c. Seed Mixture No. 3 - wetlands and their associated buffer zones (Application rate = 131 lbs PLS/acre).

Seed Mixture No. 1: Relatively flat areas regularly mowed and exposed to normal conditions (Application rate = 234 lbs PLS/acre)

Seed	Rate of Application (lbs of PLS/acre)
85% Certified Turf-Type Tall Fescue	192
10% Certified Kentucky Bluegrass	28
5% Perennial Ryegrass	14
Supplemental Seed	
Annual Ryegrass	25

Seed Mixture No. 2: Sloped areas not subject to regular mowing (Application rate = 115 lbs PLS/acre)

Seed	Rate of Application (lbs of PLS/acre)
75% Hard Fescue	85
20% Chewings Fescue	23
5% Kentucky Bluegrass	7
Supplemental Seed	
Redtop	3

Seed Mixture No. 3 - Wetland areas and their associated buffer zones (Application rate = 131 lbs PLS/acre)

Seed	Rate of Application (lbs of PLS/acre)
60% Creeping Bent Grass	83
30% Fowl Bluegrass	34
10% Switchgrass	14
Supplemental Seed	
Redtop	3

D. SEEDING SEASONS. Application of seed and seed mixtures shall occur within a specified seeding season unless otherwise approved by the MAA Engineer. No seed or seed mixtures are to be applied on frozen ground or when the temperature is at or below 35 degrees Fahrenheit (7.2 degrees Centigrade). Under these conditions, a layer of mulch should be applied in accordance with Item 905, Mulching, to stabilize the site, and permanent seeding should occur in the subsequent seeding season. Seed application may occur during the seeding season dates listed below. Seeding performed after October 20 should be a temporary cover of annual ryegrass and followed by overseeding of the appropriate seed mixture during the spring seeding season.

SEEDING SEASONS	
Permanent Cool-Season Grasses	March 1 to April 20 and August 1 to October 20, inclusive
Temporary Cover of Annual Rye/Redtop	March 1 to April 30 and August 1 to November 30, inclusive
Temporary Cover of Warm-Season Grasses *(Little Bluestem only)*	May 1 to July 31, inclusive. Rate of application should be 13.6 lbs. PLS per acre.

Seeding seasons are based on typical years and can be subject to variation, which may be modified by the MAA Engineer based on seasonal trends.

If the time required to complete any of the operations necessary under this item, within the specified planting season or any authorized extensions thereof, extends beyond the Contract period, then such time will be charged against the Contract time, and liquidated damages will be enforced with respect to this portion of work.

2.2 LIME. Lime shall consist of ground limestone and contain at least 85 percent total carbonates. Lime shall be ground to a fineness so that at least 90 percent will pass through a No. 20 mesh sieve and 50 percent will pass through a No. 100 mesh sieve. Dolomitic lime or a high magnesium lime shall contain at least 10 percent magnesium oxide. Lime shall be applied by approved methods detailed in Section 903-3.3 of this item. The rate of application will be based on results of soil tests.

2.3 FERTILIZER.

Section 2.3 is reproduced verbatim from the Maryland Department of Agriculture's Fertilizer Law page.

Fertilizer shall be standard commercial fertilizer (supplied separately or in mixtures) and meet the requirements of applicable state and federal laws (O-F-241) as well as standards of the Association of Official Agricultural Chemists. Nitrogen-Phosphorus-Potassium (N-P-K) concentrations shall be determined from analysis of soil samples. Methods of fertilizer application shall conform to standards described in Section 903-3.3 of this item. Fertilizer shall be furnished in standard containers that are clearly labeled with name, weight, and guaranteed analysis of the contents (percentage of total nitrogen, available phosphoric acid, and water-soluble potash). Mixed fertilizers shall not contain any hydrated lime or cyanamide compounds. Fertilizers failing to meet the specified analysis may be approved by the MAA Engineer, providing sufficient materials are applied to conform with the specified nutrients per unit of measure without additional cost to MAA.

The fertilizers may be supplied in the following forms:

a. A dry, free-flowing fertilizer suitable for application by a common fertilizer spreader;
b. A finely ground fertilizer suitable in water, suitable for application by power sprayers; or
c. A granular or pellet form suitable for application by blower equipment.

The rate of application will be based on results of soil tests performed by the University of Maryland Soil Testing Laboratory. By law, persons applying fertilizer to State-owned land shall follow the recommendations of the University of Maryland as set forth in the "Plant Nutrient Recommendations Based on Soil Tests for Turf Maintenance" and the "Plant Nutrient Recommendations Based on Soil Tests for Sod Production" (see attached Reference, "Approved Installation Methods"). Application of the fertilizer shall be in a manner that is consistent with the recommendations of the University of Maryland Cooperative Extension.

Per Maryland's Lawn Fertilizer law, which took effect October 1, 2013, lawn care professionals hired to apply fertilizer to lawns must be certified by MDA or work under the direct supervision of an individual who is certified. The following fertilizer restrictions apply:

FERTILIZER RESTRICTIONS

- Everyone must follow University of Maryland fertilizer recommendations.
- A single fertilizer application may not exceed 0.9 pound total nitrogen per 1,000 sq ft which can include no more than 0.7 pound of soluble nitrogen per 1,000 sq ft.
- Visit extension.umd.edu/hgic for seasonal and yearly nitrogen recommendations.
- Lawn care pros should consult the Maryland Professional Lawn Care Manual.
- Phosphorus may only be applied when a soil test indicates that it is needed or when a lawn is being established, patched or renovated.
- Fertilizer may not be used to de-ice walkways and driveways.
- It is against the law to apply fertilizer to sidewalks or other impervious surfaces. Fertilizer that lands on these surfaces must be swept back onto the grass or cleaned up.
- No fertilizer applications within 10 to 15 feet of waterways.
- Do not fertilize before if heavy rain is predicted or ground is frozen.
- Do not apply lawn fertilizer between November 15 and March 1.
- Enhanced efficiency controlled release products may be applied at no more than 2.5 pounds per year, with a maximum monthly release rate of 0.7 pound of N per 1,000 sq ft.

FOR LAWN CARE PROFESSIONALS ONLY

- From November 16 through December 1 only water soluble nitrogen may be applied to lawns at a maximum rate of 0.5 pound per 1,000 sq ft.
- Natural organic or organic products containing phosphorus may not exceed 0.25 pound of phosphorus per 1,000 sq ft with an annual maximum of 0.5 pound of phosphorus per 1,000 sq ft. These products may not be applied when soils test at "optimum to excessive" for phosphorus levels.

PART 3 – EXECUTION

3.1 GENERAL. This section provides approved methods for the application of and includes standards for seedbed preparation, methods of application, and equipment to be used during the process. Lime and fertilizer shall be applied to seeded areas before the seed is spread. The mixture of seed will be determined for sites based on environmental conditions as described in Paragraph 2.1.C.

3.2 ADVANCE PREPARATION. Areas designated for seeding shall be properly prepared in advance of seed application. The area shall be tilled and graded prior to application of lime and fertilizer, and the surface area shall be cleared of any stones larger than 1 inch in diameter, sticks, stumps, and other debris that might interfere with sowing of seed, growth of grasses, or subsequent maintenance of grass-covered areas. Damage caused by erosion or other forces that occur after the completion of grading shall be repaired prior to the application of fertilizer and lime. The Contractor will repair such damage, which may include filling gullies, smoothing irregularities, and repairing other incidental damage before beginning the application of fertilizer and ground limestone.

If an area to be seeded is sparsely sodded, weedy, barren and unworked, or packed and hard, all grass and weeds shall first be cut or otherwise satisfactorily disposed of, and the soil then scarified or otherwise loosened to a depth not less than 5 inches (125 mm). Clods shall be broken and the top 3 inches (75 mm) of soil shall be worked into a satisfactory condition by discing or by use of cultipackers, rollers, drags, harrows, or other appropriate means.

An area to be seeded shall be considered a satisfactory seedbed (without requiring additional treatment) if it has recently been thoroughly loosened and worked to a depth of not less than 5 inches; the top 3 inches of soil is loose, friable, and is reasonably free from large clods, rocks, large roots, or other undesirable matter; appropriate amounts of fertilizer and lime have been added; and, if it has been shaped to the required grade immediately prior to seeding. For slope areas steeper than 3:1 (three horizontal to one vertical), the subsoil shall be loose to a depth of 1 inch.

After completion of tilling and grading, lime and fertilizer shall be applied within 48 hours according to the specified rate (Paragraphs 2.2 2.3) and methods (Paragraphs 3.3.A and 3.3.B) approved by MAA. The seeding mixture shall be applied within 48 hours after application of lime and fertilizer. To firm the seeded areas, cultipacking shall occur immediately after seeding.

3.3 METHODS OF APPLICATION. Lime, fertilizer, and seed mixes shall be applied by either the dry or wet application methods that have been approved by MAA and are detailed below.

A. DRY APPLICATION METHOD

a. Liming. If soil test results indicate that lime is needed, the following procedures will be used: following advance preparation of the seedbed, lime shall be applied prior to the application of any fertilizer or seed and only on seedbeds that have been prepared as described in paragraph 903-3.2. The lime shall be uniformly spread and worked into the top 2 inches of soil, after which the seedbed shall be properly graded again.

b. Fertilizing. Following advance preparations (and liming if necessary), fertilizer shall be spread uniformly at the specified rate to provide no less than the minimum quantity stated in Paragraph 903-2.3.

c. Seeding. Seed mixtures shall be sown immediately after fertilization of the seedbed. The fertilizer and seed shall be lightly raked to a depth of 1 inch for newly graded and disturbed areas.

d. Rolling. After the seed has been properly covered, the seedbed shall be immediately compacted using a cultipacker or an approved lawnroller.

B. WET APPLICATION METHOD/HYDROSEEDING

a. General. The Contractor may elect to apply seed and fertilizer as per Paragraphs c and d of this section in the form of an aqueous mixture by spraying over the previously prepared seedbed using methods and equipment approved by MAA. The rates of application shall be as specified in Paragraphs 2.1 through 2.3.

b. Spraying Equipment. The spraying equipment shall have a container or water tank equipped with a liquid level gauge capable of reading increments of 50 gallons or less over the entire range of the tank's capacity. The liquid level gauge shall be mounted so as to be visible to the nozzle operator at all times. The container or tank shall also be equipped with a mechanical power-driven agitator capable of keeping all the solids in the mixture in complete suspension at all times until used.

The spraying equipment shall also include a pressure pump capable of delivering 100 gallons per minute at a pressure of 100 pounds per square inch. The pressure pump assemblage shall be configured to allow the mixture to flow through the tank when not being sprayed from the nozzle. All pump passages and pipelines shall be capable of providing clearance for 5/8-inch solids. The power unit for the pump and agitator shall have controls mounted so as to be accessible to the nozzle operator. A pressure gauge shall be connected to and mounted immediately behind the nozzle.

The nozzle pipe shall be mounted on an elevated supporting stand in such a manner that it can be rotated through 360 degrees horizontally and inclined vertically from at least 20 degrees below to at least 60 degrees above the horizontal. There shall be a quick-acting, three-way control valve connecting the recirculating line to the nozzle pipe and mounted so that the nozzle operator can control and regulate the amount of flow of mixture to be supplied so that mixtures may be properly sprayed over a distance varying from 20 feet to 100 feet. One shall be a close-range ribbon nozzle, one a medium-range ribbon nozzle, and one a long-range jet nozzle. For ease of removal and cleaning, all nozzles shall be connected to the nozzle pipe by means of quick-release couplings. In order to reach areas inaccessible to the regular equipment, an extension hose at least 50 feet in length shall be provided to which the nozzles may be connected.

c. Mixtures. Lime shall be applied separately in the quantity specified, prior to the fertilizing and seeding operations. Lime shall be added to and mixed with water at a concentration not to exceed 220 pounds of lime for every 100 gallons of water. After lime has been applied, the tank should be emptied and rinsed with fresh water. Seed and fertilizer shall be mixed together in the relative proportions specified, but the resulting concentration should not exceed 220 pounds of mixture per 100 gallons of water and should be applied within 30 minutes to prevent fertilizer burn of the seeds.

All water used shall be obtained from fresh water sources and shall be free from injurious chemicals and other toxic substances harmful to plant life. Brackish water shall not be used at any time. The Contractor shall identify all sources of water to the MAA Engineer at least two weeks prior to use. The Engineer may take samples of the water at the source or from the tank at any time and have a laboratory test the samples for chemical and saline content. The Contractor shall not use any water from any source that is disapproved by the following such tests.

All mixtures shall be constantly agitated from the time they are mixed until they are finally applied to the seedbed. All such mixtures shall be used within 30 minutes from the time they were mixed or they shall be wasted and disposed of at a location acceptable to the Engineer.

d. Spraying. Lime shall be sprayed upon previously prepared seedbeds on which the lime, if required, shall have been worked in already. The mixtures shall be applied using a high-pressure spray which shall always be directed upward into the air so that the mixtures will fall to the ground in a uniform spray. Nozzles or sprays shall never be directed toward the ground in such a manner that might produce erosion or runoff. Particular care shall be exercised to ensure that the application is made uniformly, at the prescribed rate, and to guard against misses and overlapped areas. Predetermined quantities of the mixture shall be used in accordance with specifications to cover specified sections of known areas. To checks the rate and uniformity of application, the applicator will observe the degree of wetting of the ground or distribute test sheets of paper or pans over the area at intervals and observe the quantity of material deposited thereon.

On surfaces that are to be mulched as indicated by the plans or designated by the MAA Engineer, seed and fertilizer applied by the spray method need not be raked into the soil or rolled. However, on surfaces on which mulch is not to be used, the raking and rolling operations will be required after the soil has dried.

3.4 MAINTENANCE OF SEEDED AREAS. The contractor shall protect seeded areas against traffic or other use by warning signs or barricades, as approved by the Engineer. Surfaces gullied or otherwise damaged following seeding shall be repaired by regrading and reseeding as directed. The Contractor shall mow, water as directed, and otherwise maintain seeded areas in a satisfactory condition until final inspection and acceptance of the work.

When either the dry or wet application method outlined above is used for work performed out of season, the Contractor will be required to establish a good stand of grass of uniform color and density to the satisfaction of the Engineer. If at the time when the contract has been otherwise completed it is not possible to make an adequate determination of the color, density, and uniformity of such stand of grass, payment for the unaccepted portions of the areas seeded out of season will be withheld until such time as these requirements have been met.

SECTION 329202X SODDING

PART 1 – GENERAL

1.1 DESCRIPTION

This item provides standards for furnishing, hauling, and placing approved live sod on prepared areas as indicated on site plans. Sod will only be applied to landscape areas and shall be mowed frequently. All sodding activities shall conform to those specifications at the locations shown on site plans or as directed by the MAA Engineer.

PART 2 - PRODUCTS

2.1 SOD. Sod furnished by the Contractor shall have a good cover of living or growing grass. This includes grass that is seasonally dormant during the cold or dry seasons and capable of renewing growth after the dormant period. All sod shall be obtained from areas in which the soil is reasonably fertile and contains a high percentage of loamy topsoil. Sod shall be cut or stripped from living, thickly matted turf relatively free of weeds or other undesirable foreign plants, large stones, roots, or other materials that might be detrimental to the development of the sod or to future maintenance. Grass sod shall be Maryland-certified or approved and shall comply with the Maryland Sod Law of the Annotated Code of Maryland (Agricultural Article Sections 9-101 through 9-1103). Each load of sod shall bear a Maryland State Approved or Certified label at the time of delivery on the job. Sod shall be either: (1) Bluegrass sod containing not less than 80 percent Kentucky bluegrass (*Poa pratensis*) and not more than 20 percent Red Fescue (*Festuca rubra*); or (2) certified turf type-tall fescue (*Festuca arundinacea*) sod containing not less than 80 percent certified turf type-tall fescue (*Festuca arundinacea*) grass and not more than 20 percent Kentucky Bluegrass (*Poa pratensis*) and Red Fescue (*Festuca rubra*). Any vegetation more than 6 inches in height shall be mowed to a height of 3 inches or less before sod is lifted. Sod, including the soil containing the roots and the emergent plant growth, shall be cut uniformly to a thickness not less than that specified in Section 903-3.4.

2.2 LIME. Lime shall conform to standards described in Section 903, "Seeding."

2.3 FERTILIZER. Fertilizers and application methods shall conform to the standards previously described in Section 903, "Seeding."

2.4 WATER. All water shall conform to the standards previously described in Paragraph 902-2.4, "Water."

2.5 SOILS FOR REPAIR. All soils for repairs shall conform to the standards previously described in Paragraph 901-2.3, "Soils for Repair."

PART 3 – EXECUTION

3.1 GENERAL. Areas to be sodded shall be clearly indicated by site plans. Areas requiring special ground surface preparation, such as tilling, and those areas in a satisfactory condition that are to remain undisturbed shall also be shown on the plans.

Suitable equipment necessary for proper preparation of the ground surface and for the handling and placing of all required materials shall be on hand, in good condition, and shall be approved by the MAA Engineer before sodding operations begin. The Contractor shall demonstrate to the MAA Engineer, before starting the various operations, that the application of required materials, such as fertilizer and limestone, will be made at the specified rates.

3.2 ADVANCE PREPARATION. If the area to be sodded is sparsely vegetated, weedy, barren and unworked, or packed and hard, all existing herbaceous vegetation shall be removed. The soil shall then be scarified or otherwise loosened to a depth of at least 5 inches (125 mm). Clods shall be pulverized, and the top 3 inches (75 mm) of soil shall be worked into a satisfactory bed by discing or use of cultipackers, rollers, drags, harrows, or other equipment approved by the MAA Engineer. The area shall then be properly graded as indicated by site plans.

After grading of areas is complete and prior to the application of fertilizer and limestone, areas to be sodded shall be raked or otherwise cleared of stones larger than 1 inch in diameter, sticks, stumps, and other debris which might interfere with sodding, growth of grasses, or subsequent maintenance of grass-covered areas. If any damage by erosion or other causes has occurred after grading of areas and before the application of fertilizer and ground limestone, the Contractor shall repair such damage. This may include filling gullies, smoothing irregularities, and repairing other incidental damage.

An area to be sodded will be considered a satisfactory seedbed without requiring additional treatment if it recently has been thoroughly loosened and worked to a depth of at least 5 inches as a result of grading operations and, if immediately prior to sodding, the top 3 inches of soil is loose, friable, reasonably free from large clods, rocks, large roots, or other undesirable matter, and is shaped to the required grade. For slope areas steeper than 3:1 (three horizontal to one vertical) the subsoil shall be loosened to a depth of 1 inch. Lime and fertilizer shall be applied within 48 hours after tilling as described in 903-3.3 and 3.4. The sod shall be applied immediately after the lime and fertilizer have been worked into the soil.

3.3 APPLICATION OF FERTILIZER AND LIME. Following ground surface preparation, fertilizer shall be uniformly spread as described in Section 903-3.3 at a rate that will provide at least the minimum quantity of fertilizer required. If the use of ground limestone is specified, it shall be spread as described in Section 903-3.3, "Methods of Application"; at a rate that will provide at least the minimum quantity of lime required. These materials shall be incorporated into the soil to a depth of at least 2 inches by discing, raking, or other methods approved by the MAA Engineer. Any stones larger than 1 inch in diameter, large clods, roots, and other litter brought to the surface by this operation shall be removed.

3.4 OBTAINING AND DELIVERING SOD. The sod shall be well rooted, grown in the State of Maryland, and field grown for a minimum of 12 months. After inspection and approval of the sod by the MAA Engineer, the sod shall be cut with approved sod cutters to such a thickness that after placement on the prepared bed, but before compaction, it shall have a uniform attached soil thickness of at least 0.75 inch. Sod sections or strips shall be cut in uniform widths of at least 14 inches and in lengths of at least 18 inches, but not to lengths that might inhibit placement without breaking, tearing, or loss of soil. Where strips are required, the sod shall be rolled or folded undamaged, with the grass facing inward. The Contractor may be required to mow high grass before cutting sod.

Sod shall be transplanted within 24 hours from the time of harvest unless circumstances beyond the Contractor's control make storage necessary. In such cases, sod shall be stacked, kept moist, protected from exposure to the air and sun, and shall be kept from freezing. Sod shall only be harvested and moved when soil moisture conditions are such that favorable results can be expected. Where soil is too dry, permission to cut sod may be granted only after it has been sufficiently watered to moisten the soil to the depth at which the sod will be cut.

3.5 PLACING SOD. Sodding shall only be performed during seasons when satisfactory results can be expected. Frozen sod shall not be used and sod shall not be placed upon frozen soil. Sod may be transplanted during periods of drought with the approval of the MAA Engineer, provided the sod bed is watered to moisten the soil to a depth of at least 4 inches immediately prior to placing the sod.

The sod shall be moist and shall be placed on a bed, prepared according to Paragraphs 90-4-3.2 "Advance Preparation", and 90-4-3.3, "Application of Fertilizer and Lime" by hand. Pitchforks shall not be used to handle sod, and dumping from vehicles shall not be permitted. The sod shall be placed carefully by hand, edge to edge and with staggered joints, in rows at right angles to the slopes, starting at the base of the area to be sodded and working upward. The sod shall immediately be pressed firmly into contact with the sod bed by tamping or rolling with approved equipment to provide a true and even surface, and ensure knitting without displacement of the sod or deformation of the surfaces of sodded areas. Where the sod has been displaced during sodding operations, the workmen replacing it shall work from ladders or treaded planks to prevent further displacement. Where the grades are such that the flow of water will be from paved surfaces across sodded areas, the surface of the soil in the sod after compaction shall be set approximately 1.5 inches below the pavement edge. Where the flow will be over the sodded areas and onto the paved surfaces around manholes and inlets, the surface of the soil in the sod after compaction shall be placed flush with pavement edges.

On slopes steeper than 1:2.5 and in V-shaped or flat-bottom ditches or gutters, the sod shall be secured with wooden pegs at least 18 inches long and a cross-sectional area of at least 0.75-square inch, or by other methods of securing sod approved by the MAA Engineer. The pegs shall be driven flush with the surface of the sod. The pegs shall be of sufficient number and at adequate spacing to secure sod from displacement. The use of sod staples or other means of securing the sod from displacement may be approved by the MAA Engineer provided satisfactory results are expected.

3.6 WATERING. Adequate water and watering equipment shall be on hand before sodding begins, and sod shall be kept moist until it has become established and its continued growth assured. In all cases, watering shall be done in a manner that will avoid erosion from the application of excessive quantities and will avoid damage to the finished surface.

3.7 ESTABLISHING TURF.

3.7.1 GENERAL. The Contractor shall provide general care for the sodded areas as soon as the sod has been laid and shall continue to provide such care until final inspection and acceptance of the work.

3.7.2 PROTECTION. All sodded areas shall be protected against traffic or other use by warning signs and barricades approved by the MAA Engineer.

3.7.3 MOWING. The Contractor shall mow the sodded areas with approved mowing equipment, depending upon climatic and growth conditions and the needs for mowing of specific areas. In the event that weeds or other undesirable vegetation establishes to such an extent that, either cut or uncut, they threaten to smother the sodded species, the weeds shall be mowed and the clippings raked and removed from the area. Spot applications of an appropriate herbicide by a licensed applicator shall be approved by the MAA Engineer to remove invasive species. The appropriate herbicide shall be determined on a case-by-case basis, depending on the location and type of weed.

3.7.4 REPAIR. When the surface has become gullied or otherwise damaged during the period covered by this contract, the affected areas shall be repaired to re-establish the grade and the condition of the soil and shall then be re-sodded as specified in Paragraph 904-3.5, "Placing Sod", at the Contractor's expense.

SECTION 329203X MULCHING

PART 1 – GENERAL

1.1 DESCRIPTION. This item provides the Contractor with MAA-approved specifications for mulch and the application of mulch including distribution of mulch and securing of mulched areas. Areas to be mulched will be clearly shown on site plans or otherwise designated by the MAA Engineer.

PART 2 – PRODUCTS

2.1 TYPES OF MULCH. Acceptable mulch shall be composed of the materials listed below or composed of any locally available materials that are similar to those specified and approved by the MAA Engineer. Low-grade, shaley, soiled, partially rotted hay, straw, or other materials unfit for animal consumption will not be acceptable for use as mulch. Straw or other material that is fresh, excessively brittle, or is in such an advanced stage of decomposition as to smother or retard the planted grass, is not acceptable. Clean, weed-free straw may be used. Mulch materials containing matured seed with the potential to establish and be detrimental to the project or the surrounding area is not acceptable.

a. Shredded Hardwood Bark. Shredded hardwood bark shall consist of hardwood tree bark that has been milled and screened to ensure a maximum 4-inch (100-mm) particle size, provide a uniform texture, and be free from sawdust, toxic substances, and other foreign materials.

b. Wood Chips. Wood chips shall be produced by a chipping machine to a size specified by the MAA Engineer. Chips may not have been subjected to any conditions that would shorten their useful life or cause them to lose any of their value as mulch. Wood chips shall be free from bark, leaves, twigs, wood shavings, sawdust, toxic substances, and other foreign material.

c. Wood Cellulose Fiber. Wood cellulose fiber shall consist of a processed wood product with uniform fiber characteristics. The fiber shall be capable of remaining in a uniform suspension under agitation in water and blending with seed, fertilizer, and other additives to form a homogeneous slurry. The fiber shall perform satisfactorily in hydraulic seeding equipment without clogging or damaging the system. The slurry shall contain a green dye to provide easy visual inspection for uniformity of application.

Certification showing that the fiber material conforms to the following specifications shall be provided by the manufacturer:

Wood Cellulose Fiber Requirements	
Particle Length, in. (mm)	Approximately 1/2 (13)
Particle Thickness, in. (mm)	Approximately 1/16 (1.5)
Net dry Weight Content	Minimum as stated on bag
TAPPI* T 509, pH	4.0 to 8.5
Ash Content, TAPPI* Standard T 413, % max	7.0
Water Holding Capacity, % min	90

*Technical Association of Pulp and Paper Industry

The material shall be delivered in packages of uniform net weight of 75 lbs (34 kg) or less and shall be clearly labeled with the name of the manufacturer, net weight, and a supplemental statement of the net weight content.

2.2 INSPECTION. Within five days after acceptance of the bid, the Contractor shall provide representative samples of mulch material to be used to the MAA Engineer and identify the source of the material and quantities of mulch materials available. The samples provided may be used as standards with the approval of the MAA Engineer and any materials brought on the site that do not meet those standards may be rejected.

PART 3 – EXECUTION

3.1 ADVANCE PREPARATION. Before spreading mulch, all large clods, stumps, stones, brush, roots, and other foreign material shall be removed from the area to be mulched. Mulch shall be applied immediately after seeding unless otherwise specified. The application and spreading of mulch may be by hand methods, blower, or other mechanical methods, provided a uniform covering is obtained.

3.2 APPLICATION OF MULCH. The Contractor shall evenly apply mulch materials to areas indicated by site plans or otherwise designated by the MAA Engineer. Cellulose-fiber or wood-pulp mulch shall be applied at the rate of 1,500 pounds (dry weight) per acre. Mulch may be blown on the slopes and use of cutters in the equipment for this purpose will be permitted to the extent that at least 95 percent of the mulch in place on the slope is 6 inches or more in length. When mulch applied by the blowing methods is cut, the loose depth in place shall be 1 to 2 inches. Cellulose fiber or wood-pulp mulch shall be applied as an aqueous mixture by spraying at the rate of 1,500 pounds (dry weight) per acre using spraying equipment approved by the MAA Engineer.

3.3 SECURING MULCH. Mulch shall be held in place by light discing, a thin coating of topsoil, pins, stakes, wire mesh, or other methods approved by the MAA Engineer. If the "peg and string" method is used, the mulch shall be secured with stakes or wire pins driven into the ground on 5-foot centers or less. Binder twine shall be strung between adjacent stakes in straight lines and crossed diagonally over the mulch. The stakes shall be firmly driven nearly flush to the ground to draw the twine down tightly onto the mulch.

3.4 MAINTENANCE OF MULCHED AREAS. The Contractor shall care for mulched areas until final acceptance of the project. Care required may consist of providing protection against traffic or other disturbances by placement of warning signs and/or barricades before or immediately after mulching has been completed.

The Contractor may be required to repair or replace any mulching that is defective or becomes damaged before the project is finished and deemed satisfactory by the MAA Engineer. When, in the judgment of the MAA Engineer, defects or damage result from poor workmanship or failure to meet the requirements of the specifications, the cost of the necessary repairs or replacement will be borne by the Contractor. However, once the Contractor has completed the mulching of an area in accordance with the provisions of the specifications and to the satisfaction of the Engineer, no additional work at his expense will be required. Any subsequent repairs and/or replacements deemed necessary by the Engineer may be made by the Contractor and will be paid for as additional or extra work.

H-1 STANDARDS & SPECIFICATIONS FOR MATERIALS

TABLE H.1: GEOTEXTILE FABRICS

		WOVEN SLIT FILM GEOTEXTILE		WOVEN MONOFILAMENT GEOTEXTILE		NONWOVEN GEOTEXTILE	
		MINIMUM AVERAGE ROLL VALUE[1]					
PROPERTY	TEST METHOD	MD	CD	MD	CD	MD	CD
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}		0.2B 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 ELEVATIONS. MD IS A MACHINE DIRECTION; CD IS CROSS DIRECTION VALUES FOR AOS REPRESENT THE AVERAGE MAXIMUM OPENING.

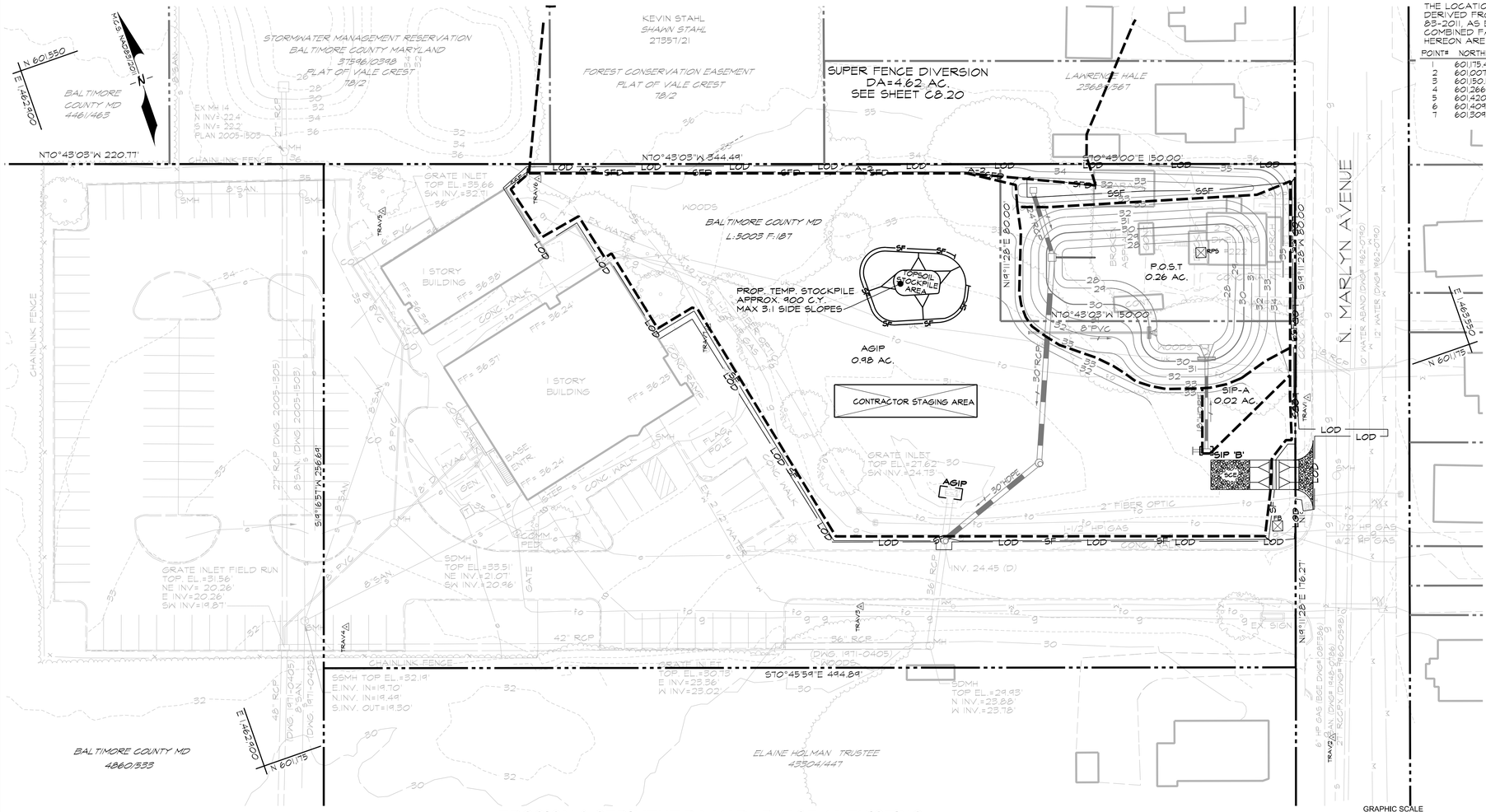
[2] GEOTEXTILES MUST BE EVALUATED BY THE NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM (NTPEP) AND CONFORM TO THE VALUES IN TABLE H.1.

THE GEOTEXTILE MUST BE INERT TO COMMONLY ENCOUNTERED CHEMICAL 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.

TABLE H.2: STONE SIZE

| TYPE | SIZE RANGE



EROSION & SEDIMENT DA MAP - PHASE 1A EXISTING

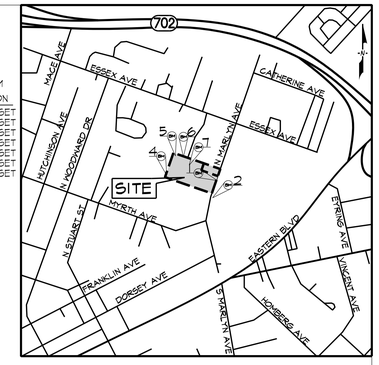
SCALE: 1" = 30'

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

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601175.4174	1463460.6890	34.41	REBAR+CAP SET
2	601007.8627	1463415.6510	33.09	REBAR+CAP SET
3	601150.1847	1463210.7419	32.06	REBAR+CAP SET
4	601266.3471	1462960.0274	33.26	REBAR+CAP SET
5	601420.5689	1463041.4884	36.10	REBAR+CAP SET
6	601409.8157	1463127.7953	36.14	REBAR+CAP SET
7	601309.8603	1463184.2642	35.01	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- to — EX. COMMUNICATION
- OHS — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" 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. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER LINE
- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SSF — SUPER SILT FENCE
- SF — SILT FENCE
- SCE — STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- SIP — STANDARD INLET PROTECTION

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.

PHASE 1A LIMIT OF DISTURBANCE (ESC): 60,563 SF. OR 1.39 AC.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, SEEDING FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND 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 LIMTED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION

NOTE:
SEE SHEET C8.20 FOR SUPER FENCE DIVERSION DRAINAGE AREA MAP

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 11, 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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. | ISW | 7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 1A EXISTING

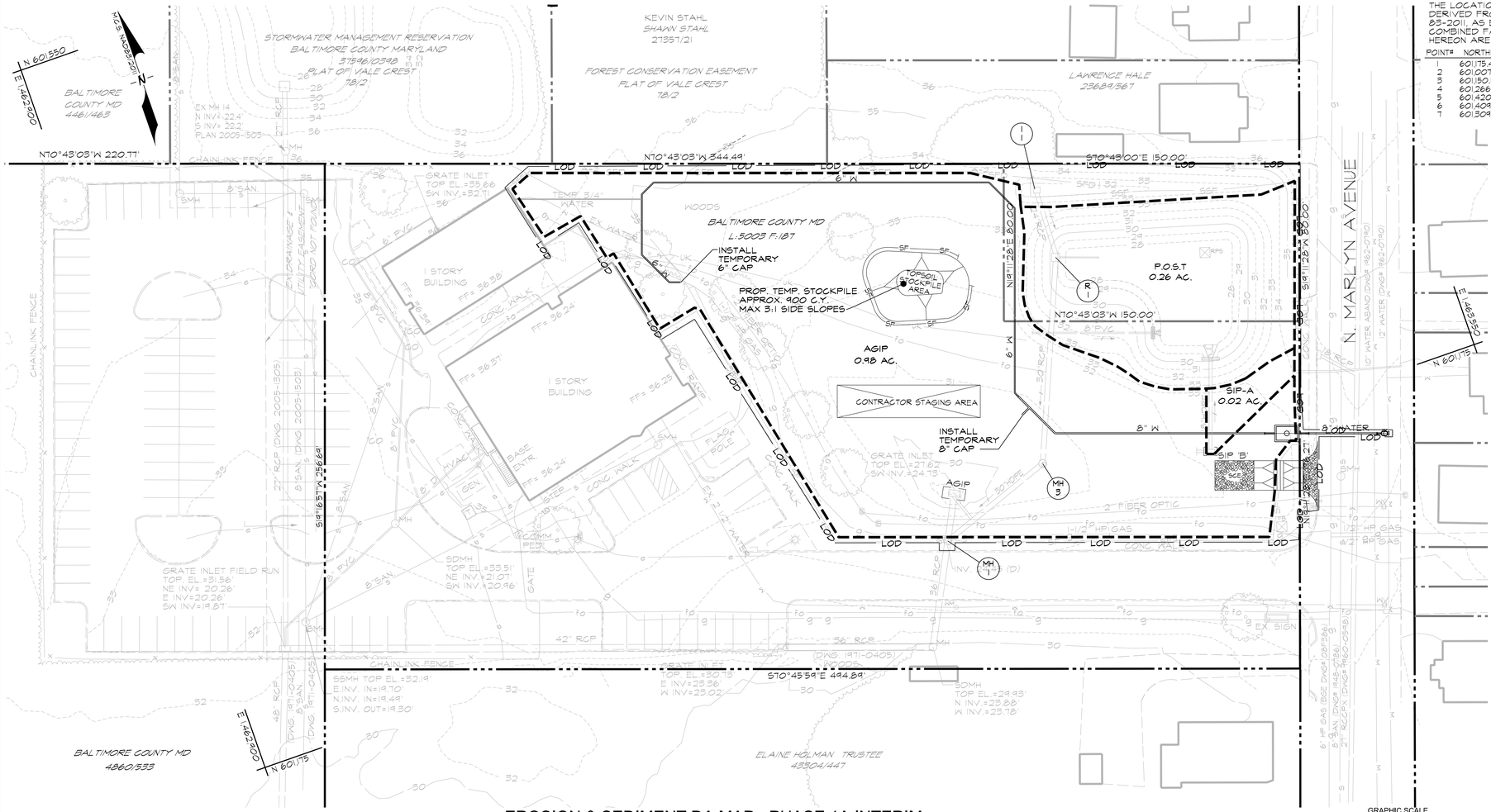
RENOVATION & ADDITION

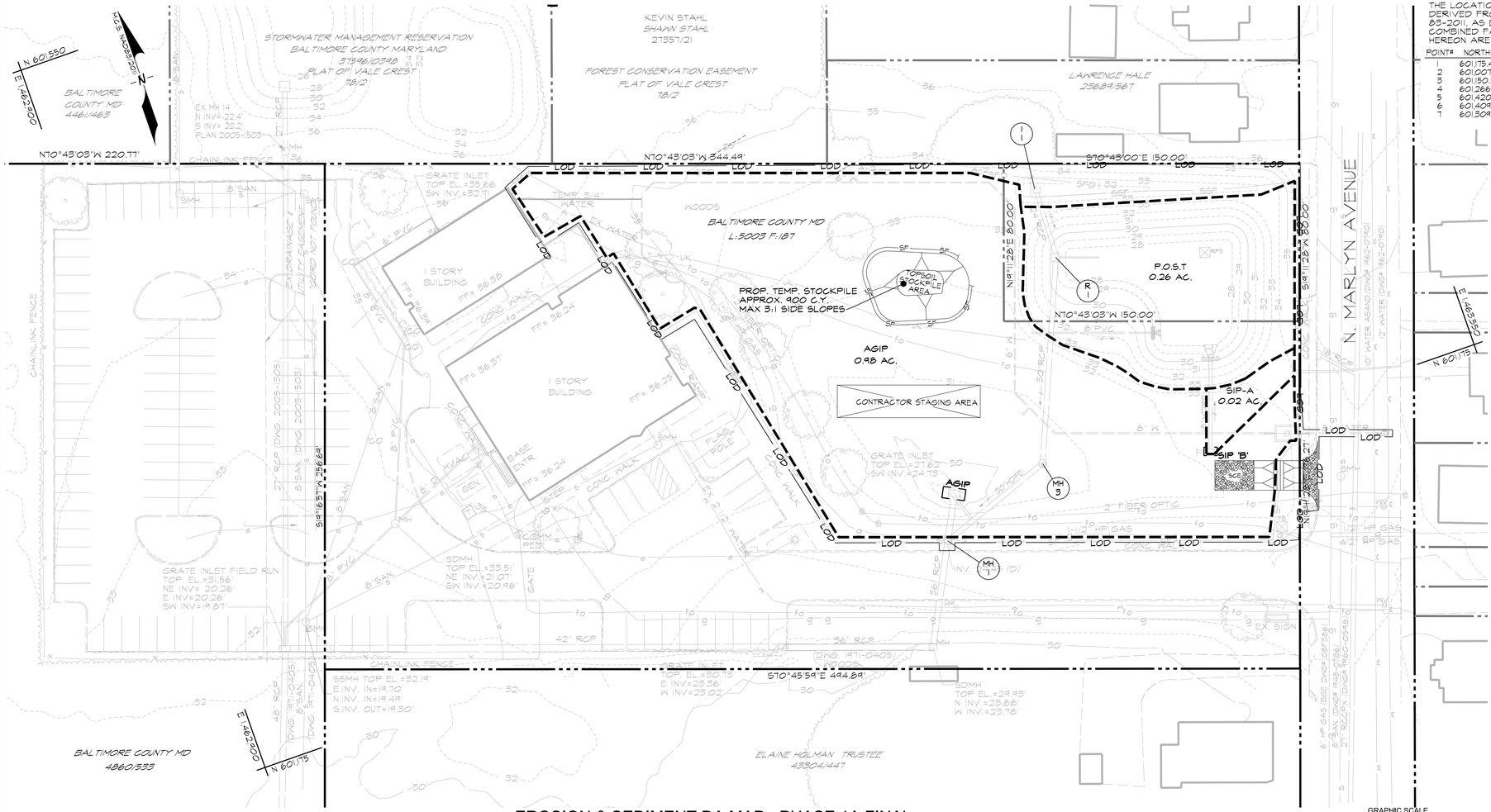
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.08	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 33 OF 295	
DRAWING NUMBER	
2025-0924	
FILE NO.: 8	

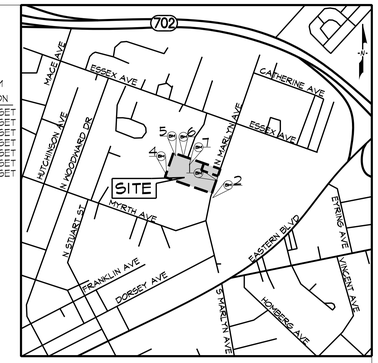

N 60,550
E 1462,200
N05°40'00"W
BALTIMORE COUNTY MD
446/1463
STORMWATER MANAGEMENT RESERVATION
BALTIMORE COUNTY MARYLAND
375496/0398
PLAT OF VALE CREST
78/2
EX MH 14
N INV=22.4'
S INV= 22.2
PLAN 2005-1503
KEVIN STAHL
SHAWN STAHL
21351/21
FOREST CONSERVATION EASEMENT
PLAT OF VALE CREST
78/2
LAWRENCE HALE
25689/567
N01°43'03"W 220.77'
N01°43'03"W 344.44'
S70°48'00"E 150.00'
CHAIN LINK FENCE
GRATE INLET
TOP EL.=35.66
SW INV.=32.71
TEMP. 3/4" WATER
WOODS
BALTIMORE COUNTY MD
L:5003 F:187
INSTALL TEMPORARY 6" CAP
PROP. TEMP. STOCKPILE APPROX. 900 C.Y. MAX 3:1 SIDE SLOPES
TOPSOIL STOCKPILE AREA
P.O.S.T
0.26 AC.
N18°11'28"E 80.00'
S18°11'28"W 80.00'
N01°43'03"W 150.00'
AGIP
0.98 AC.
CONTRACTOR STAGING AREA
INSTALL TEMPORARY 8" CAP
SIP-A
0.02 AC.
SIP 'B'
SCE
N. MARLYN AVENUE
1 STORY BUILDING
FF= 36.58
FF= 36.24
FF= 36.51
FF= 36.23
CONC WALK
CONC RAMP
FLAG POLE
BASE ENTR.
GEN.
GENERATOR PAD
GRATE INLET FIELD RUN
TOP. EL.=31.56
NE. INV= 20.26
E INV=20.26
SW INV=19.81
21" RCP (DNG 2005-1505)
8" SAN (DNG 2005-1505)
S41°45'57"W 126.64'
EX DRAINAGE & UTILITY EASEMENT (DOES NOT FOUND)
SDMH
TOP EL.=33.51
NE INV=21.07
SW INV=20.96
GATE
42" RCP
36" RCP
(DNG. 1971-0405)
CHAIN LINK FENCE
GRATE INLET
TOP EL.=30.19
E INV=23.36
W INV=23.02
S70°45'59"E 494.89'
SDMH
TOP EL.=29.83'
N INV.=23.88'
W INV.=23.78'
SDMH TOP EL.=32.19'
E.INV. IN=19.70'
N.INV. IN=19.49'
S.INV. OUT=19.30'
45" RCP
BALTIMORE COUNTY MD
4860/533
ELAINE HOLMAN TRUSTEE
43504/447
E 1462,200
N 601,175
E 1463,550
N 601,175
6" W
8" W
8" SAN
12" WATER
6" HP GAS
8" SAN
21" RCP
MH 1
MH 3
INV. 19.70' (D)
2" FIBER OPTIC
2" HP GAS
GRATE INLET
TOP EL.=27.62'
SW INV.=24.73'
EX SIGN
SFD 1.52
SFD 1.53
SFD 1.54
SFD 1.55
SFD 1.56
SFD 1.57
SFD 1.58
SFD 1.59
SFD 1.60
SFD 1.61
SFD 1.62
SFD 1.63
SFD 1.64
SFD 1.65
SFD 1.66
SFD 1.67
SFD 1.68
SFD 1.69
SFD 1.70
SFD 1.71
SFD


STORMWATER MANAGEMENT RESERVATION
BALTIMORE COUNTY MARYLAND
375946/0398
PLAT OF VALE CREST
78/2
KEVIN STAHL
SHAWN STAHL
21351/21
FOREST CONSERVATION EASEMENT
PLAT OF VALE CREST
78/2
LAWRENCE HALE
25689/567
BALTIMORE COUNTY MD
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S19°11'28"W 80.00'
N. MARLYN AVENUE
BALTIMORE COUNTY MD
L:5003 F:187
WOODS
PROP. TEMP. STOCKPILE
APPROX. 900 C.Y.
MAX 3:1 SIDE SLOPES
TOPSOIL STOCKPILE AREA
AGIP
0.98 AC.
CONTRACTOR STAGING AREA
P.O.S.T
0.26 AC.
SIP-A
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SIP 'B'
SCE
1 STORY BUILDING
FF= 36.58
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CONC WALK
CONC RAMP
FLAG POLE
GEN.
GRATE INLET
TOP EL.=35.66
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SW INV.=24.73
GRATE INLET FIELD RUN
TOP. EL.=31.56
NE. INV.= 20.26
E INV=20.26'
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SDMH
TOP EL.=32.19'
E INV.=19.70'
N.INV.=19.49'
S.INV. OUT=19.30'
SDMH
TOP EL.=30.15'
E INV=23.36'
W INV=23.02'
SDMH
TOP EL.=29.83'
N INV.=23.88'
W INV.=23.78'
EX MH 14
N INV=22.4'
S INV= 22.2'
PLAN 2005-1503
TEMP. 3/4" WATER
EX DRAINAGE & UTILITY EASEMENT DOES NOT EXIST
CHAIN LINK FENCE
GATE
BASE ENTR.
GENERATOR PED.
EX. SIGN
EX. 2-1/2" WATER
2" FIBER OPTIC
6" HP GAS
12" HP GAS
6" HP GAS SEE DWGS 1971-0405
8" SAN SEE DWGS 1971-0405
21" RCP (DWG 2005-1505)
8" SAN (DWG 2005-1505)
42" RCP
36" RCP
45" RCP
DWG 1971-0405
DWG 1971-0405
DWG 1971-0405

BENCHMARK DATA

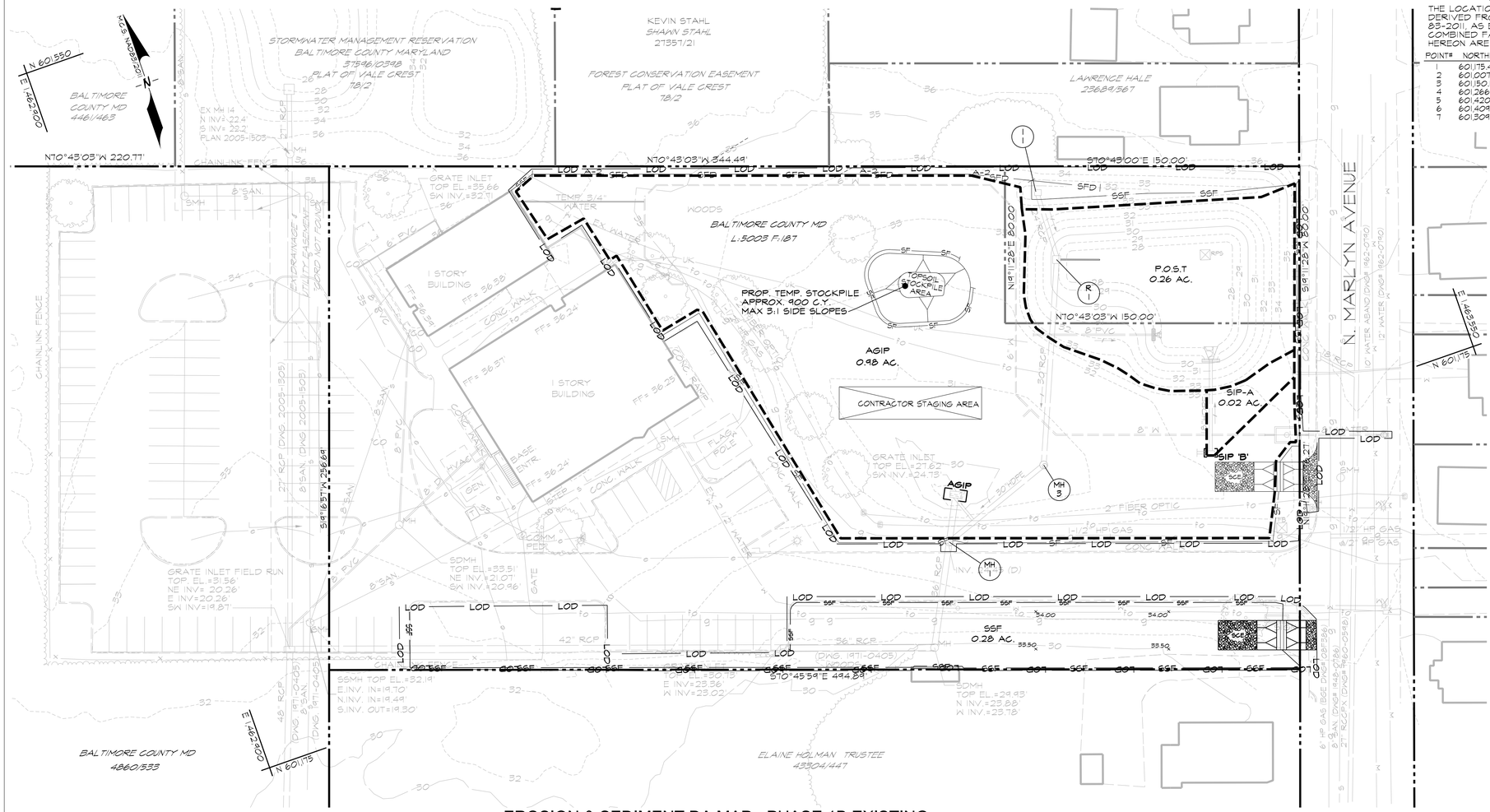
THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601,007.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.3471	1,462,960.0274	33.26	REBAR+CAP SET
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6	601,409.8757	1,463,127.7953	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'



EROSION & SEDIMENT DA MAP - PHASE 1B EXISTING

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T — EX. COMMUNICATION
- OHE — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" W — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER LINE
- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SSF — SUPER SILT FENCE
- SF — SILT FENCE
- SCE — STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- SIP — STANDARD INLET PROTECTION
- AGIP — AT GRADE INLET PROTECTION
- COIP — COMBINATION INLET PROTECTION

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.

PHASE 1B EX. LIMIT OF DISTURBANCE (ESC): 75,563 SF, OR 1.73 AC.

STANDARD STABILIZATION NOTE

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

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GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER

DATE: JULY 11, 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. 25058 EXPIRATION DATE: 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM
DRN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.

R.O.W. NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' ; 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 1B EXISTING

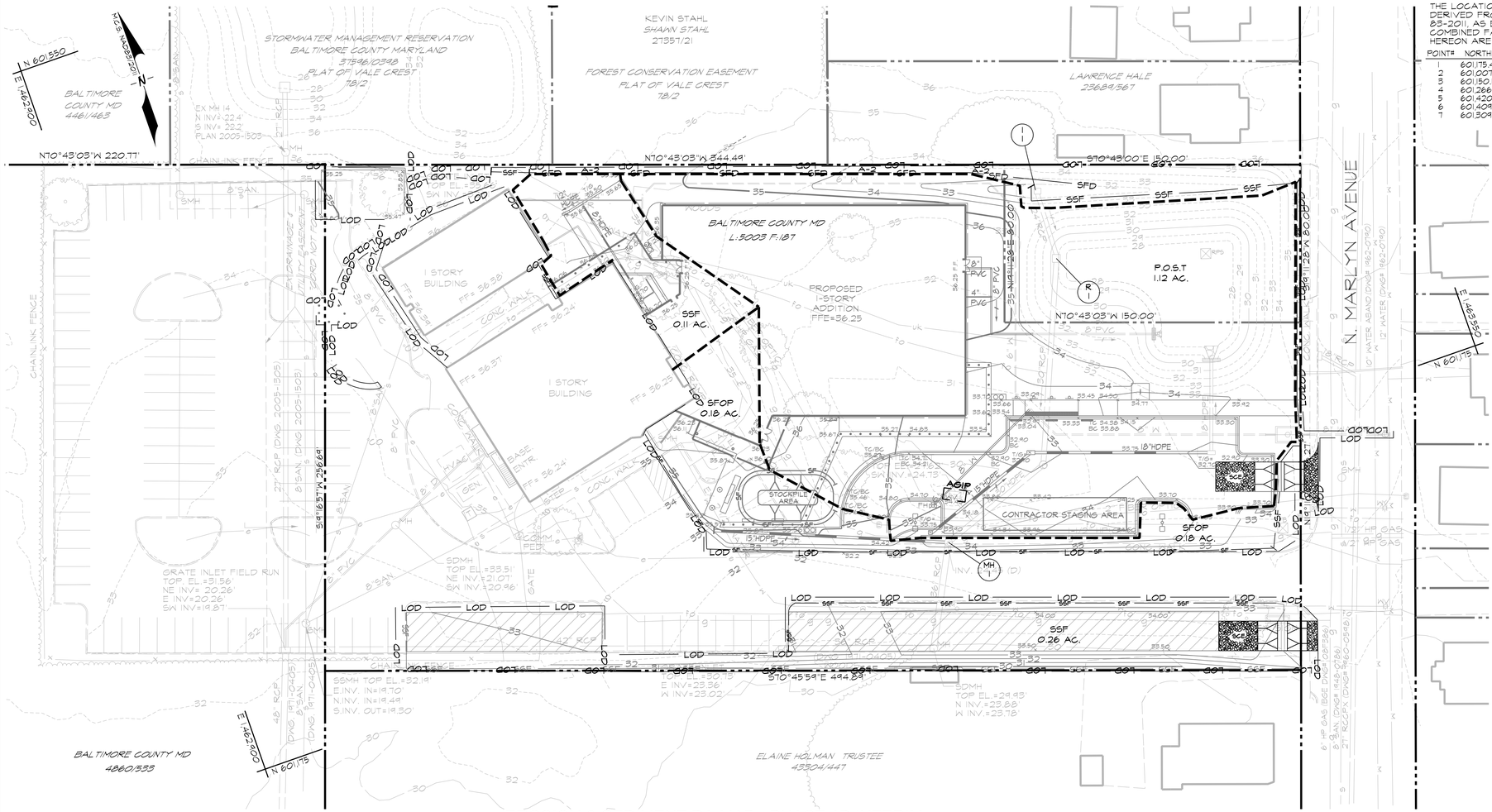
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.11	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET	36 OF 295
DRAWING NUMBER	2025-0927
FILE NO.: 8	



EROSION & SEDIMENT DA MAP - PHASE 1B INTERIM

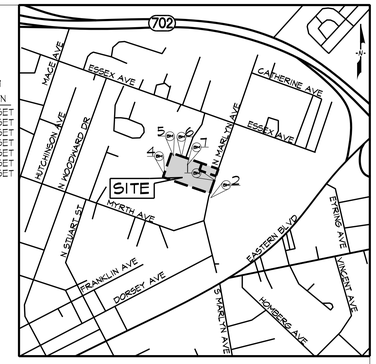
SCALE: 1" = 30'

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

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

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4	601,266.3471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5689	1,463,041.4884	36.10	REBAR+CAP SET
6	601,409.8757	1,463,127.7953	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T/O — EX. COMMUNICATION
- OHS — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" W — 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. LIGHT POLE
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- C — PROP. COMM. CONDUIT
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- SCE — STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
- SIP — STANDARD INLET PROTECTION
- AGIP — AT GRADE INLET PROTECTION

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.
PHASE 1B LIMIT OF DISTURBANCE (ESC): 81,537 SF, OR 1.87 AC.

STANDARD STABILIZATION NOTE

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

MAINTENANCE NOTE

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SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER — 7.11.25 — DATE: JULY 11, 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. 25058 EXPIRATION DATE: 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DRN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 1B INTERIM

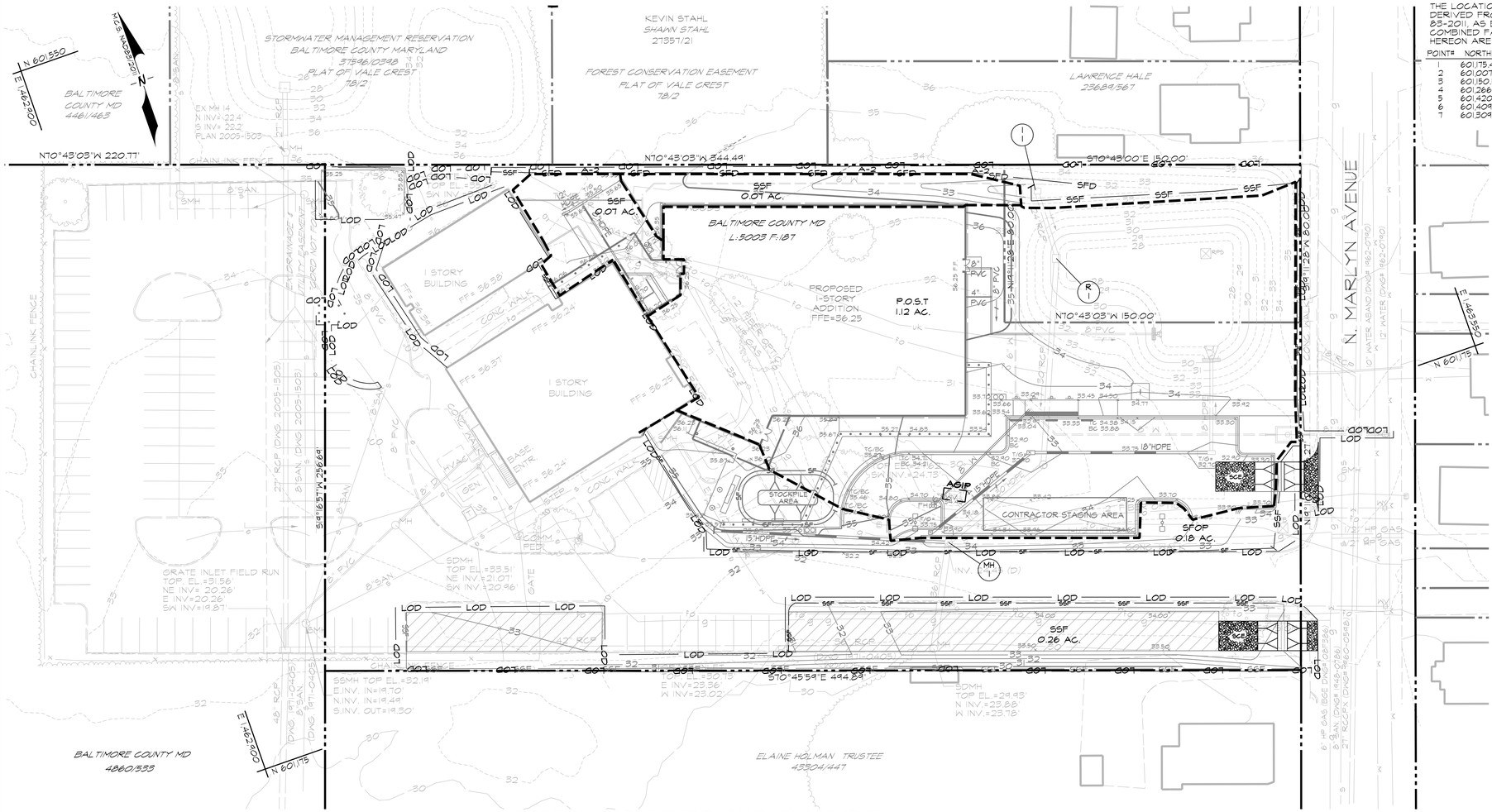
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.12	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET	37 OF 295
DRAWING NUMBER	2025-0928
FILE NO.: 8	



EROSION & SEDIMENT DA MAP - PHASE 1B FINAL

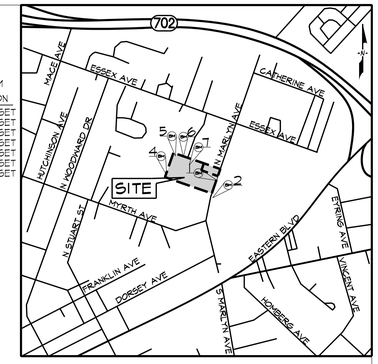
SCALE: 1" = 30'

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

BENCHMARK DATA

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VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

	PROPERTY LINE
	ADJACENT PROPERTY LINE
30	EX. INDEX CONTOUR
31	EX. INTERMEDIATE CONTOUR
	EX. CURB AND GUTTER
G	EX. GAS MAIN
T-O	EX. COMMUNICATION
OHS	EX. OVERHEAD ELECTRIC
E	EX. ELECTRIC
8" SAN	EX. SANITARY SEWER
15" RCP	EX. STORM DRAIN
2-1/2" 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. LIGHT POLE
T	EX. ELEC. TRANSFORMER
	EX. TREE / BUSH
LOD	LIMIT OF DISTURBANCE
185	PROP. INDEX CONTOUR
184	PROP. INTERMEDIATE CONTOUR
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8" W	PROP. WATER LINE
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30" D	PROP. STORM DRAIN
	PROP. MANHOLE
C	PROP. COMM. CONDUIT
	ESC DRAINAGE AREA BOUNDARY
SSF	SUPER SILT FENCE
SF	SILT FENCE
SCE	STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)
SIP	STANDARD INLET PROTECTION
AGIP	AT GRADE INLET PROTECTION

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.
PHASE 1B LIMIT OF DISTURBANCE (ESC): 81,537 SF. OR 1.87 AC.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, SEEDING FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND 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.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 11, 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. 25058 EXPIRATION DATE: 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DRN BY: SG
CHKD BY: SM

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.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' | PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 1B FINAL

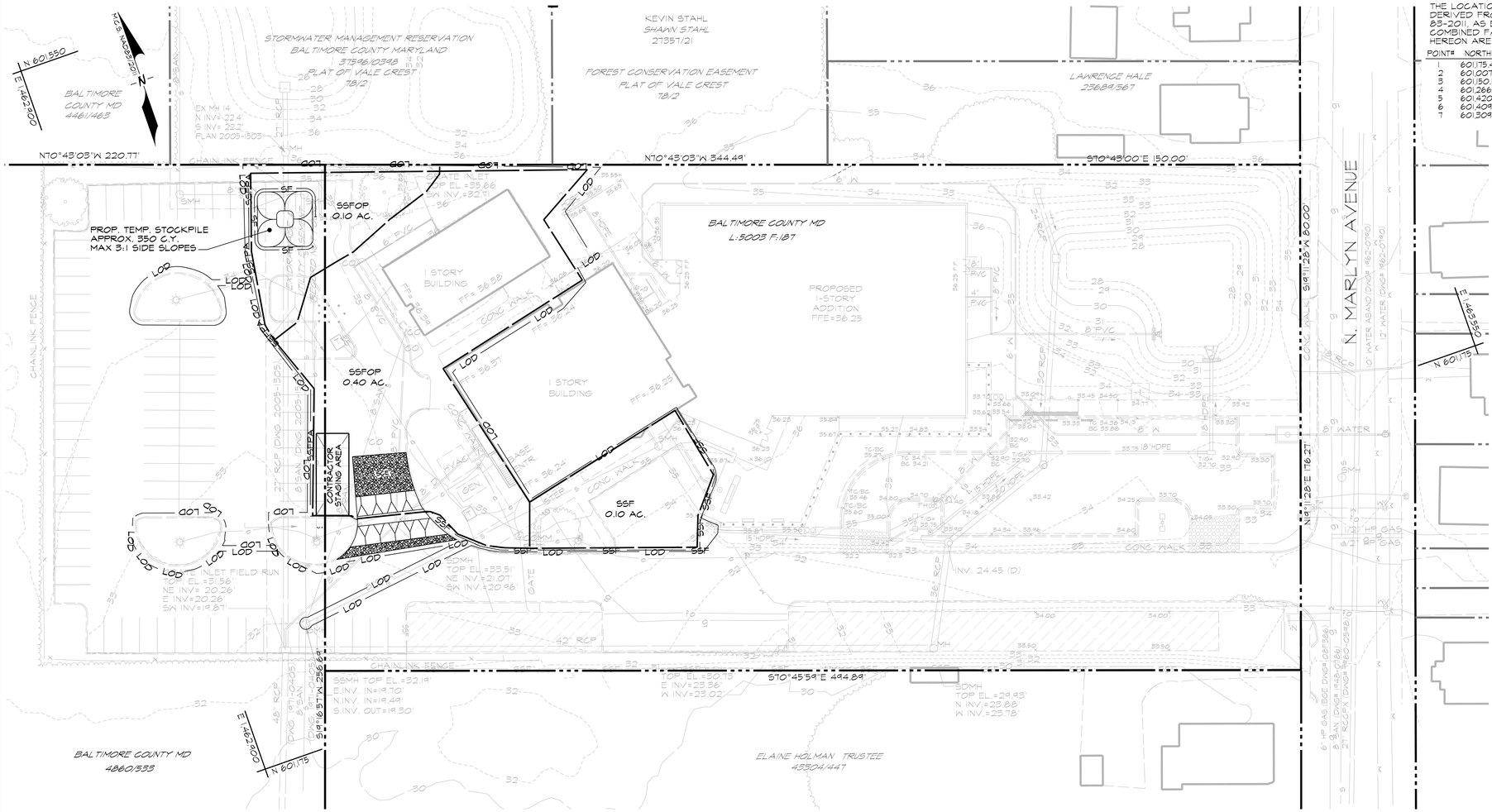
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

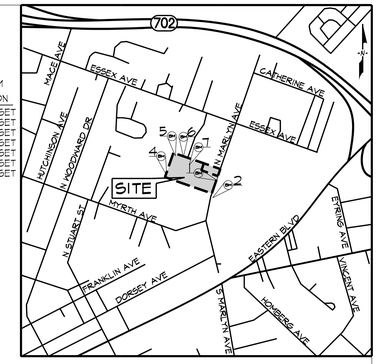
SHEET DESIGNATION	CONTRACT NUMBER
C8.13	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 38 OF 295	
DRAWING NUMBER	
2025-0929	
FILE NO.: 8	



BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601,007.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.3471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5689	1,463,041.4854	36.10	REBAR+CAP SET
6	601,409.8757	1,463,127.7953	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2692	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T/O — EX. COMMUNICATION
- OHS — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
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- EX. LIGHT POLE
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- LOD — LIMIT OF DISTURBANCE
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- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SF — SUPER FENCE DIVERSION
- SSF — SUPER SILT FENCE
- SSFOP — SUPER SILT FENCE ON PAVEMENT
- STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)

EROSION & SEDIMENT DA MAP - PHASE 2A INITIAL

SCALE: 1" = 30'

STANDARD STABILIZATION NOTE

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MAINTENANCE NOTE

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ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.

PHASE 2A LIMIT OF DISTURBANCE (ESC): 32,477 SF, OR 0.75 AC.

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

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

DATE: JULY 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. 25058 EXPIRATION DATE: 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

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

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 2A INITIAL

RENOVATION & ADDITION

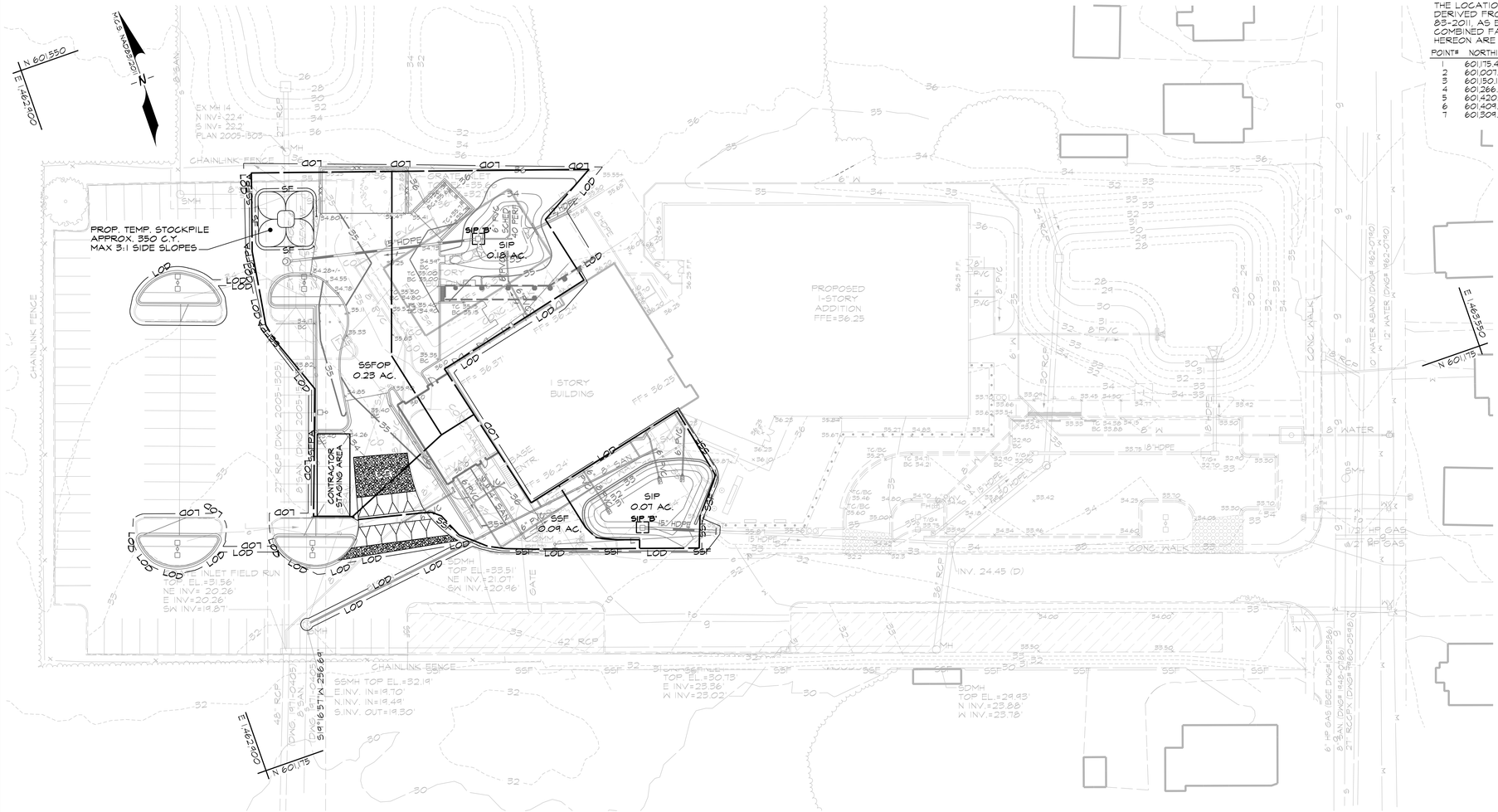
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.14	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 39 OF 295	
DRAWING NUMBER	
2025-0930	
FILE NO.: 8	REV. 2/22

BALTIMORE COUNTY MARYLAND



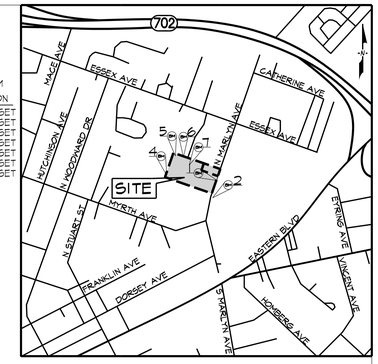
EROSION & SEDIMENT DA MAP - PHASE 2A INTERIM

SCALE: 1" = 30'

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

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6	601,409.8757	1,463,127.7953	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2692	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T-O — EX. COMMUNICATION
- OHS — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" W — EX. WATER
- X — X — EX. FENCE
- EX. WOODS LINE
- WM — EX. WATER METER
- WV — EX. WATER VALVE
- FH — EX. FIRE HYDRANT
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- ESC DRAINAGE AREA BOUNDARY
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- SSF — SUPER SILT FENCE
- SSFOP — SUPER SILT FENCE ON PAVEMENT
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STANDARD STABILIZATION NOTE

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ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.

PHASE 2A LIMIT OF DISTURBANCE (ESC):32,471 SF, OR 0.75 AC.

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

DATE: 7.11.25 JULY 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM DWN BY: SG CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 2A INTERIM

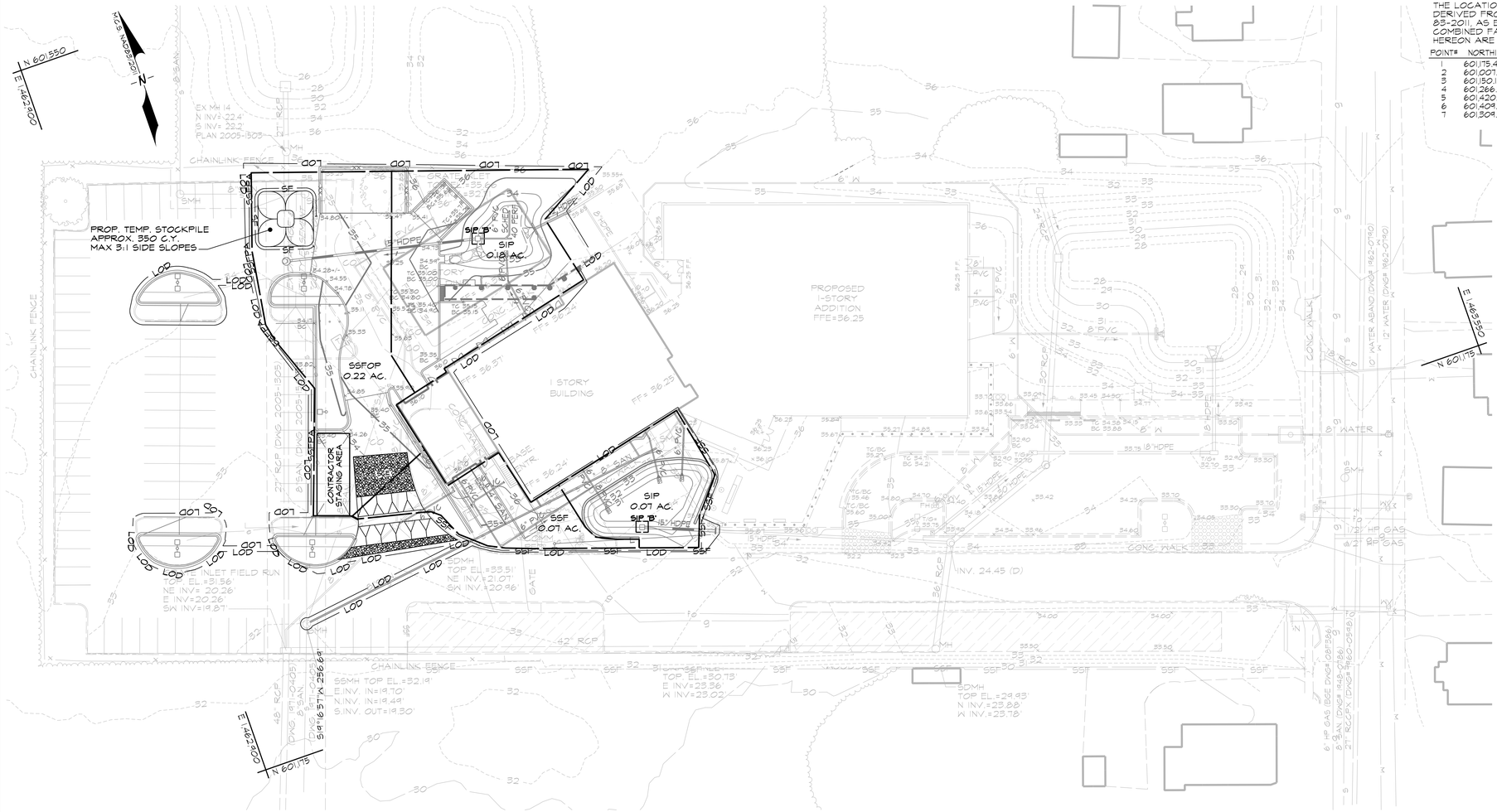
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.15	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 40 OF 295	
DRAWING NUMBER	2025-0931
FILE NO.: 8	



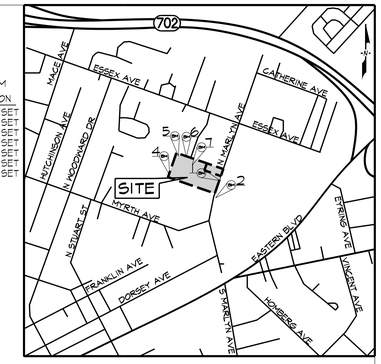
EROSION & SEDIMENT DA MAP - PHASE 2A FINAL

SCALE: 1" = 30'

BENCHMARK DATA

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VICINITY MAP

SCALE: 1" = 1,000'

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- ADJACENT PROPERTY LINE
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- E — EX. ELECTRIC
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- 2-1/2" W — EX. WATER
- X — X — EX. FENCE
- EX. WOODS LINE
- WM — EX. WATER METER
- WV — EX. WATER VALVE
- FH — EX. FIRE HYDRANT
- SMH — EX. SANITARY MANHOLE
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- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
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- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
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- PROP. CONCRETE WALK
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ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.

PHASE 2A LIMIT OF DISTURBANCE (ESC): 32,471 SF, OR 0.75 AC.

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

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ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM DWN BY: SG CHKD BY: SM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO. R.O.W NO. KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

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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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 2A FINAL

RENOVATION & ADDITION

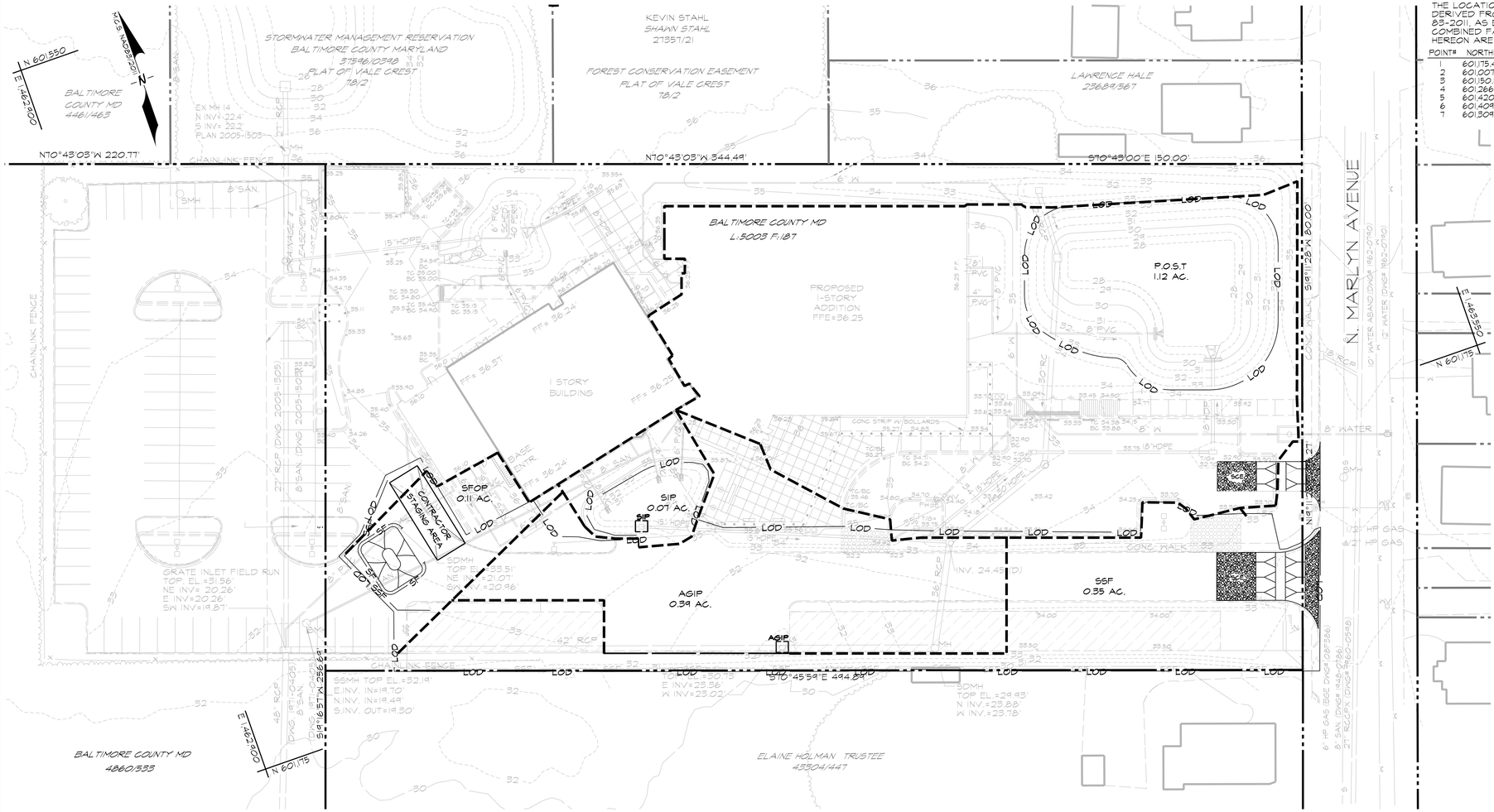
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.16	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 41 OF 295	
DRAWING NUMBER	2025-0932
FILE NO.: 8	REV. 0/0/00

BALTIMORE COUNTY MARYLAND



EROSION & SEDIMENT DA MAP - PHASE 2B INITIAL

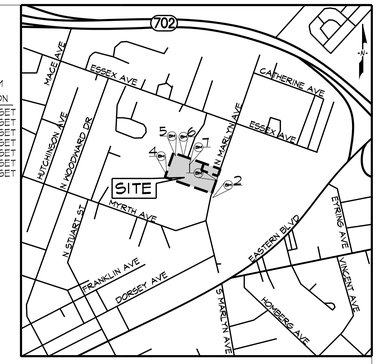
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BENCHMARK DATA

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VICINITY MAP

SCALE: 1" = 1,000'

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- SCE — STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, SEEDING FOR PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND 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.

ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF. OR 2.87 AC.

PHASE 2B LIMIT OF DISTURBANCE (ESC): 46,593 SF. OR 1.07 AC.

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER — 7.11.25 — JULY 11, 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. 25058 EXPIRATION DATE: 11/12/2026

ENGINEER: MARIANNE K. CRAMPTON — DGN BY: SM — DRN BY: SG — CHKD BY: SM

AS-BUILT PER RECORD PRINT — BY: — DATE:

AS-BUILT / REVISION

CONTRACT COMPLETION BOX

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		R.O.W NO.	ISW	7NE28
				7NE29
				8NE28
				8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' — 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

ESSEX POLICE PRECINCT - 11

EROSION & SEDIMENT DA MAP - PHASE 2B INITIAL

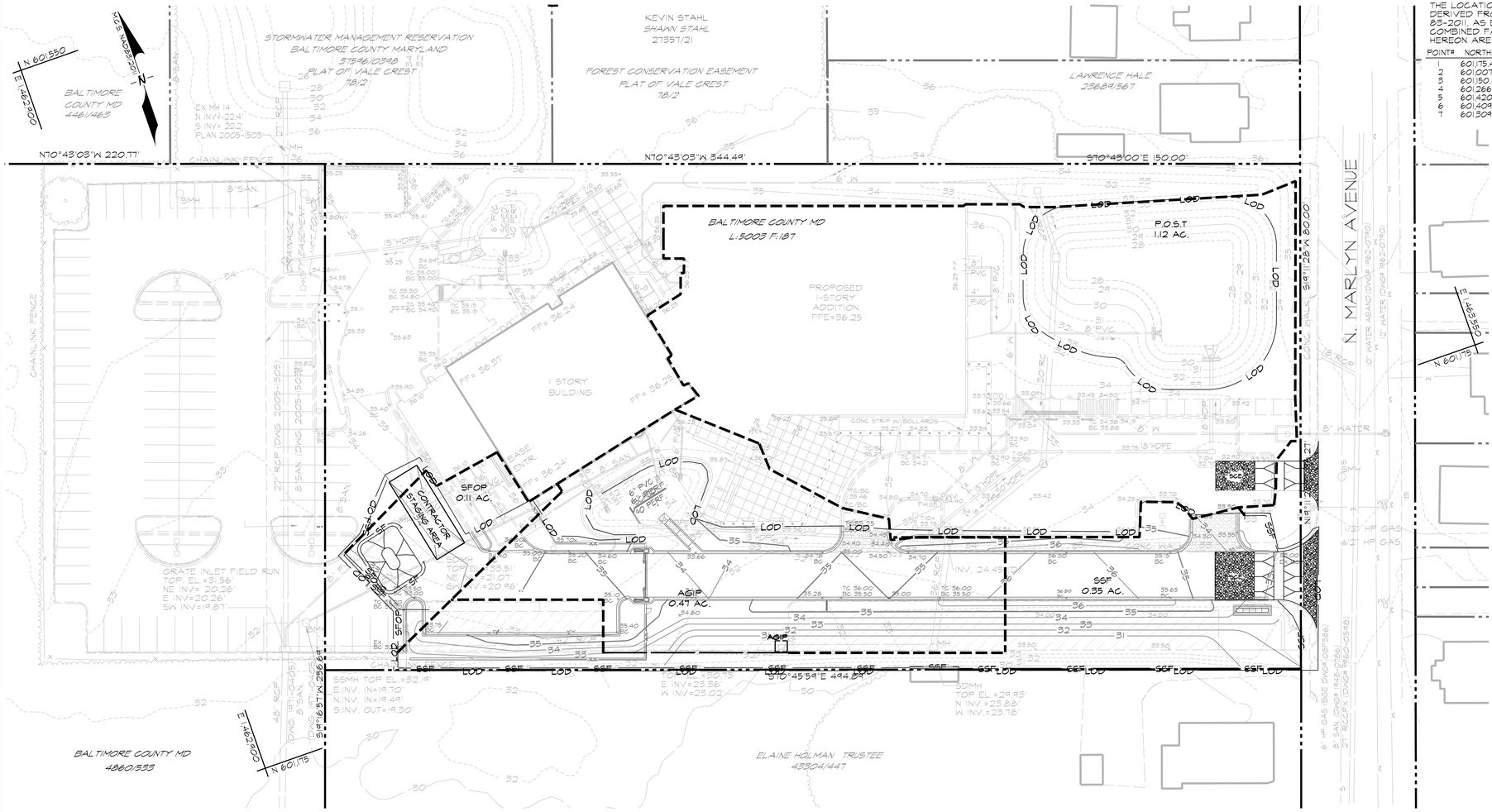
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

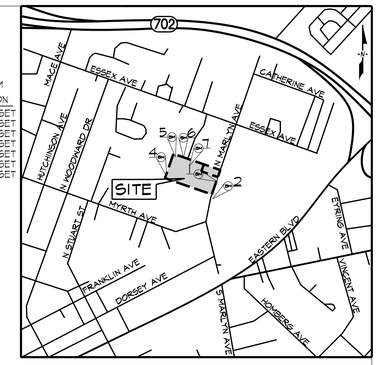
SHEET DESIGNATION	CONTRACT NUMBER
C8.17	25022 PPO
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 42 OF 295	
DRAWING NUMBER	
2025-0933	
FILE NO.: 8	



BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601175.4174	1,463,460.6890	34.41	REBAR+CAP SET
2	601,007.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.3471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5689	1,463,041.4854	36.10	REBAR+CAP SET
6	601,409.8157	1,463,127.7953	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2692	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G — EX. GAS MAIN
- T/C — EX. COMMUNICATION
- OHS — EX. OVERHEAD ELECTRIC
- E — EX. ELECTRIC
- 8" SAN — EX. SANITARY SEWER
- 15" RCP — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- X — X — X — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- SMH — EX. SANITARY MANHOLE
- MH — EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
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- 30" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMM. CONDUIT
- ESC DRAINAGE AREA BOUNDARY
- SF — SUPER FENCE DIVERSION
- SSF — SUPER SILT FENCE
- SSFOP — SUPER SILT FENCE ON PAVEMENT
- SCE — STABILIZED CONSTRUCTION ENTRANCE (W/ TYPE 'A' MOUNTABLE BERM)

EROSION & SEDIMENT DA MAP - PHASE 2B INTERIM

SCALE: 1" = 30'

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

STANDARD STABILIZATION NOTE

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

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ESC SITE ANALYSIS

TOTAL LOT/SITE AREA: 125,328 SF, OR 2.87 AC.
PHASE 2B LIMIT OF DISTURBANCE (ESC): 46,593 SF, OR 1.07 AC.

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: JULY 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

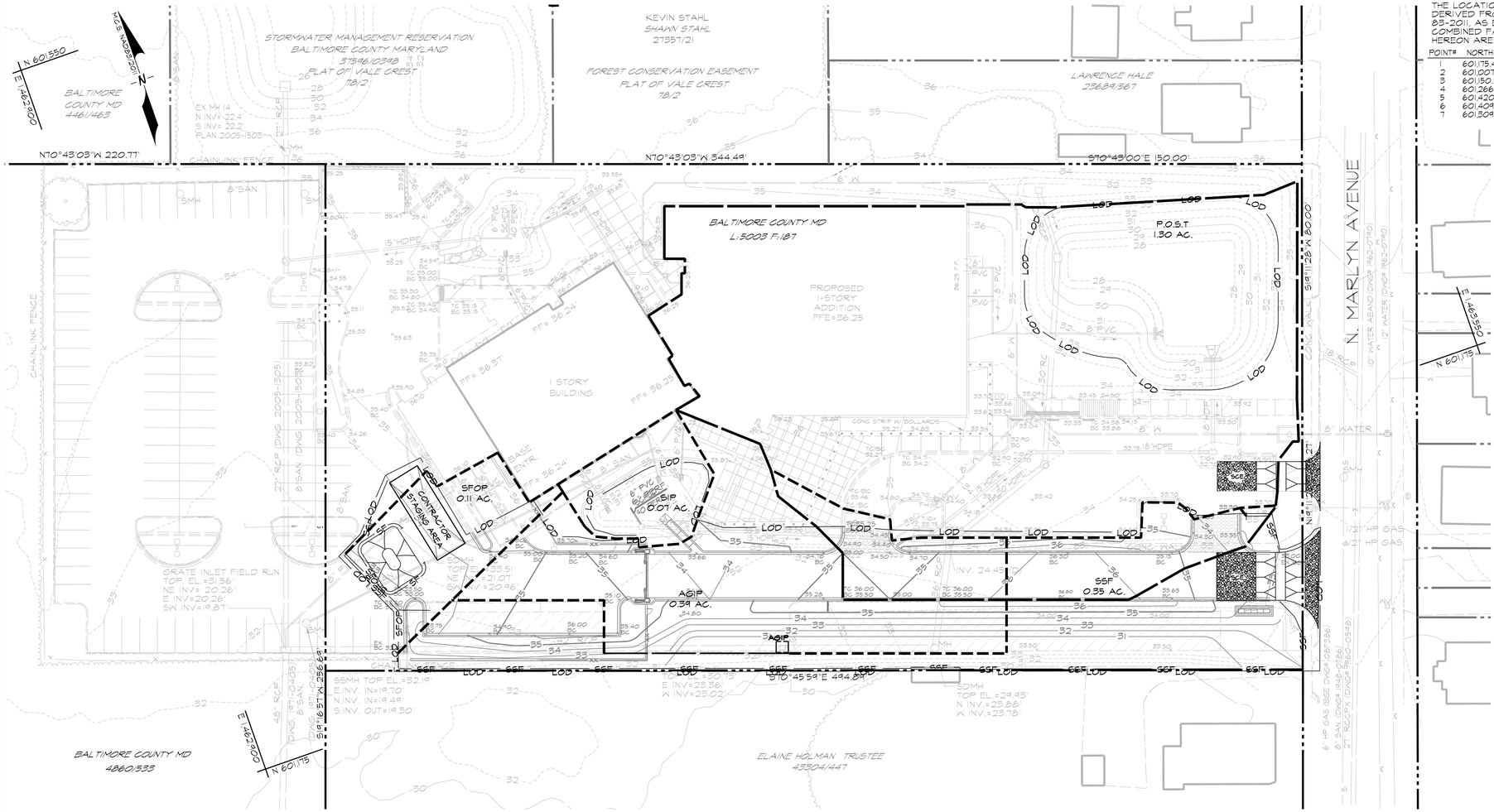
PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

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
ESSEX POLICE PRECINCT - 11
EROSION & SEDIMENT DA MAP - PHASE 2B INTERIM
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C8.18	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET	43 OF 295
DRAWING NUMBER	2025-0934
FILE NO.:	8

BALTIMORE COUNTY MARYLAND



EROSION & SEDIMENT DA MAP - PHASE 2B FINAL

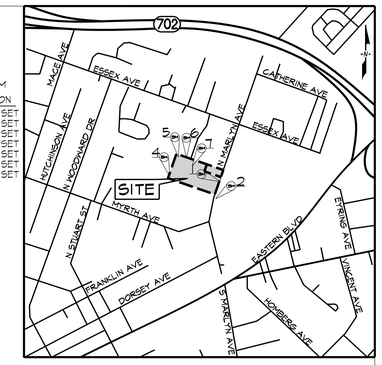
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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
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216 & 222 North Marlyn Ave, Essex, MD 21221
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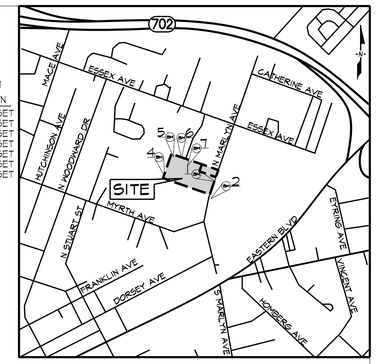
SHEET DESIGNATION	CONTRACT NUMBER
C8.19	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 44 OF 295	
DRAWING NUMBER	2025-0935
FILE NO.: 8	REV. 0

BALTIMORE COUNTY MARYLAND

BENCHMARK DATA

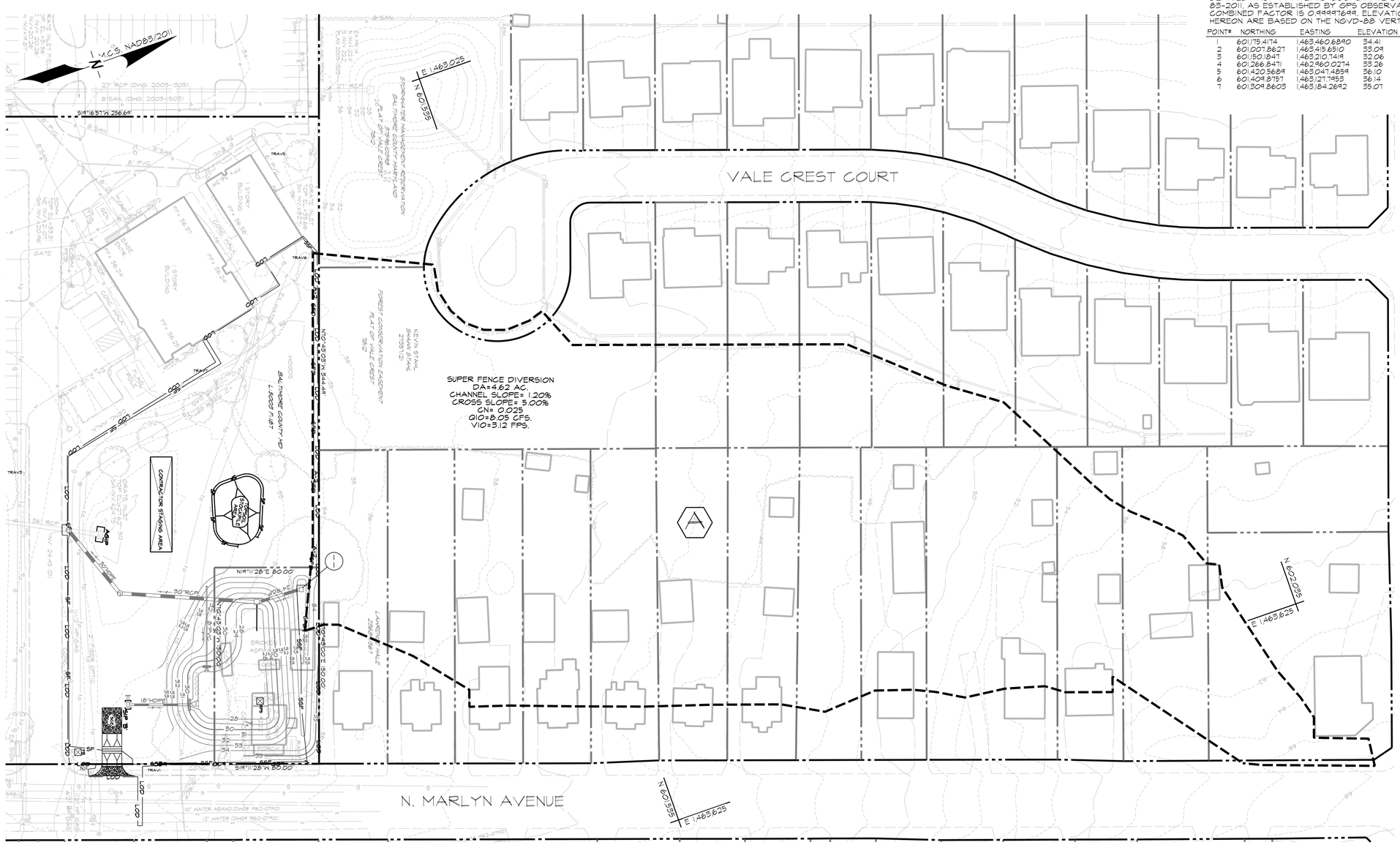
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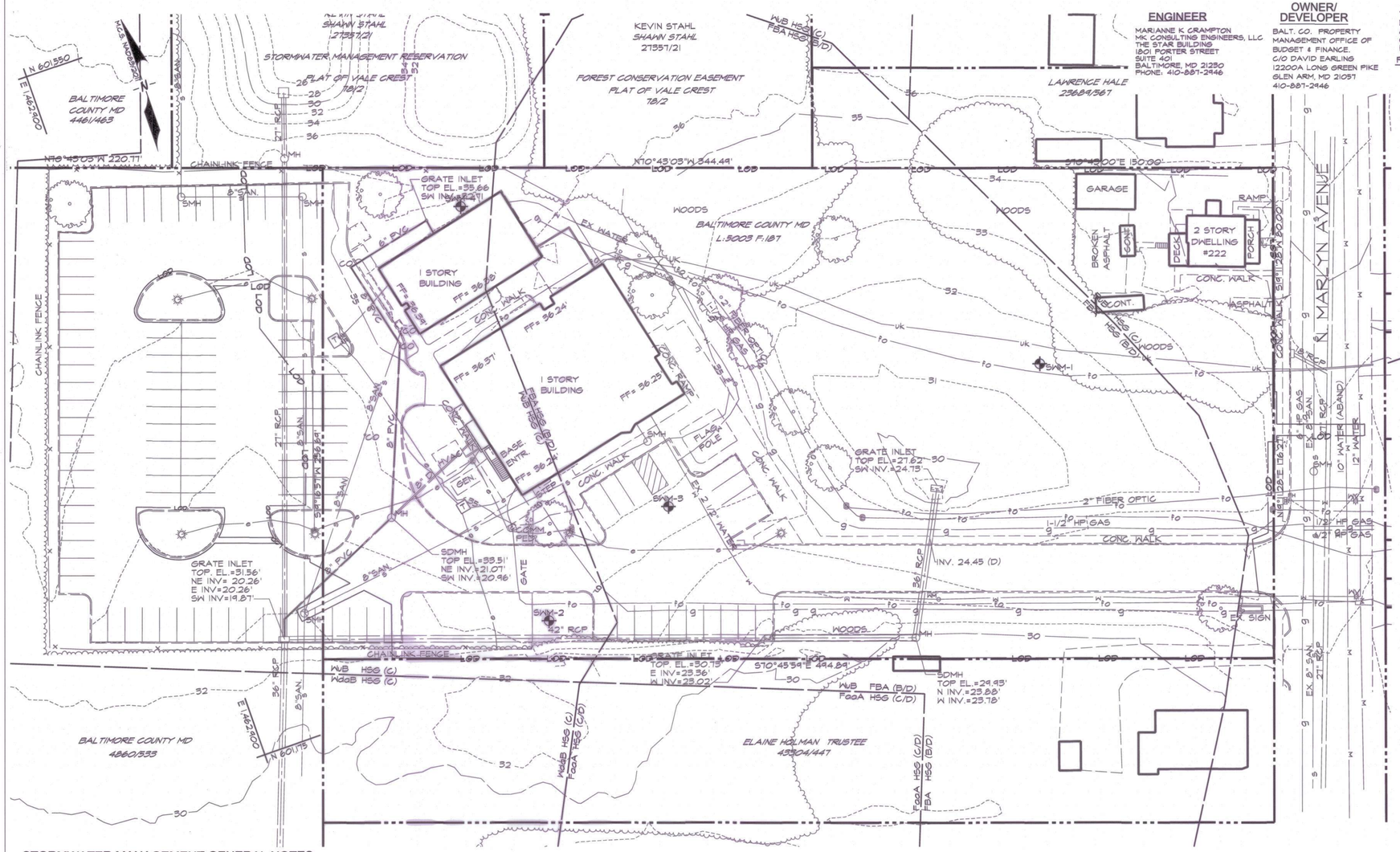
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VICINITY MAP

SCALE: 1" = 1,000'


N 601,675.4174
E 1,463,460.6890
N 601,007.8627
E 1,463,415.6510
N 601,150.1847
E 1,463,210.7419
N 601,266.8471
E 1,462,960.0274
N 601,420.5689
E 1,463,047.4854
N 601,409.8757
E 1,463,127.7953
N 601,309.8603
E 1,463,184.2642
N 601,535
E 1,463,025
VALE CREST COURT
N. MARLYN AVENUE
SUPER FENCE DIVERSION
DA=4.62 AC.
CHANNEL SLOPE= 1.20%
CROSS SLOPE= 5.00%
CN= 0.025
Q10=8.05 CFS.
V10=3.12 FPS.
FOREST CONSERVATION EASEMENT
PLAT OF VALE CREST
20.2
KEVIN STAHL
SHARON STAHL
21330/72
STORMWATER MANAGEMENT RESERVATION
BALTIMORE COUNTY MARYLAND
PLAT OF STRAWBERRY
HILL
39/2
1 STORY BUILDING
FF= 36.57
FF= 36.24
FF= 36.25
FF= 36.22
GRADE INLET
TOP ELEV.=35.50
INV IN=32.36
INV OUT=32.26



ENGINEER

MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2446

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2446

BENCHMARK DATA

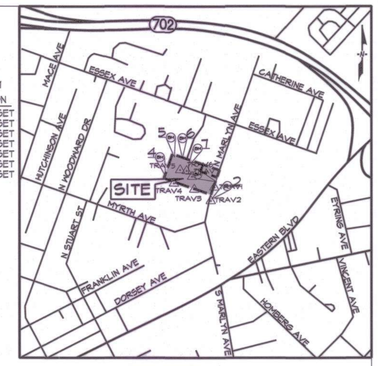
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CONTRACTOR'S 'AS-BUILT' NOTE

AS-BUILT PLANS AND CERTIFICATION 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 CURRENT BALTIMORE COUNTY STORMWATER MANAGEMENT POLICY AND DESIGN MANUAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK SHOWN ON THESE PLANS.



VICINITY MAP

SCALE: 1" = 1,000'

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
FaaA	FALLSINGTON SANDY LOAMS	0-2%	NO	N/A	C/D
FBA	FALLSINGTON-URBAND LAND COMPLEX	0-2%	NO	N/A	B/D
RuB	RUSSETT-URBAND LAND COMPLEX	0-5%	NO	N/A	C
WuB	WOODSTOWN-URBAND LAND COMPLEX	0-5%	NO	N/A	C
WdaB	WOODSTOWN SANDY LOAM	2-5%	NO	N/A	C

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		NO	STEEP SLOPES	
NO	MAJOR WATERWAYS		NO	WETLANDS OF SPECIAL STATE		NO	HIGHLY ERODIBLE SOILS	SEE SOILS TABLE
NO	FLOODPLAINS		NO	WETLAND BUFFERS		NO	ENHANCED STREAM BUFFERS	
			NO	STREAM BUFFERS		YES	TOPOGRAPHIC SLOPES	150
			NO	PERENNIAL STREAMS		NO	SPRINGS	
			NO	FLOODPLAINS		NO	SEEPS	
			NO	FORESTS		NO	INTERMITTENT STREAMS	
			NO	FOREST BUFFERS		NO	VEGETATIVE COVER	
			NO	CRITICAL AREAS		YES	SOILS	SEE SOILS TABLE
						NO	BEDROCK/ GEOLOGY	
						YES	EXISTING DRAINAGE AREA	SEE SHEET C9.04
						NO	EXISTING SWM FACILITIES	

STORMWATER MANAGEMENT GENERAL NOTES

1. 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 DATED 2007 AND ADDENDA OR "MDSHA BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES."
   B. BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2007 AND ADDENDA.
   C. MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION JULY 2008, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
3. THIS SITE LIES WITHIN THE BALTIMORE HARBOR WATERSHED, WITHIN THE COLGATE CREEK SUBSHED.
4. STORMWATER MANAGEMENT IS APPROVED UNDER BILL NO. 29-10.
5. THESE FACILITIES ARE PUBLIC AND SHALL BE MAINTAINED BY BALTIMORE COUNTY.
6. ALL CONSTRUCTION MUST BE SUPERVISED BY A GEOTECHNICAL ENGINEER.
7. THE CONSTRUCTION SHOWN HEREON MUST BE CERTIFIED BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
8. BALTIMORE COUNTY WILL NOT AQUIRE THE STORMWATER MANAGEMENT FACILITIES IN FEE UNTIL PERMANENT VEGETATION IS UNIFORMLY ESTABLISHED.
9. 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.
10. OBSTRUCTIONS SHOWN ON THESE DRAWINGS ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. MK CONSULTING ENGINEERS, LLC DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OF THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
11. A STATE GENERAL PERMIT, FOR CONSTRUCTION PROJECTS THAT WILL DISTURB ONE OR MORE ACRES OF LAND IS REQUIRED FOR THIS PROJECT

STORMWATER MANAGEMENT SHEET INDEX

SWM SHEET #	DWG#	DRAWING TITLE
1 OF 13	C9.00	NATURAL RESOURCES PLAN
2 OF 13	C9.01	EXISTING IMPERVIOUS AREA MAP
3 OF 13	C9.02	PROPOSED IMPERVIOUS AREA MAP
4 OF 13	C9.03	ENVIRONMENTAL SITE DESIGN PLAN
5 OF 13	C9.04	EXISTING QUANTITY MANAGEMENT DA MAP
6 OF 13	C9.05	PROPOSED QUANTITY MANAGEMENT DA MAP
7 OF 13	C9.06	MICRO-BIORETENTION FACILITY #1
8 OF 13	C9.07	MICRO-BIORETENTION FACILITY #2
9 OF 13	C9.08	SUBMERGED GRAVEL WETLAND FACILITY #1
10 OF 13	C9.09	SUBMERGED GRAVEL WETLAND PROFILES & DETAILS
11 OF 13	C9.10	SWM DETAILS
12 OF 13	C9.11	SWM NOTES & DETAILS
13 OF 13	C9.12	BORING LOGS
LANDSCAPE PLANS		
1 OF 2	L1.01	LANDSCAPE - PLANTING PLAN
2 OF 2	L1.02	LANDSCAPE - PLANTING PLAN ENLARGEMENT

NATURAL RESOURCES MAP

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 50 EX. INDEX CONTOUR
- 31 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g EX. GAS MAIN
- to EX. COMMUNICATION
- ohe EX. OVERHEAD ELECTRIC
- e EX. ELECTRIC
- 8" SAN. EX. SANITARY SEWER
- 15" RCP. EX. STORM DRAIN
- 2-1/2" W EX. WATER
- X EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD LIMIT OF DISTURBANCE
- CbB HSG (C) / WuB HSG (D) SOILS BOUNDARY
- SWM-1 SOIL BORING LOCATION

"AS-BUILT" CERTIFICATION

I HEREBY CERTIFY THAT THE FACILITIES SHOWN ON THESE PLANS WERE CONSTRUCTED AS SHOWN ON THE 'AS-BUILT' PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

SIGNATURE _____ MD LICENSE NO. _____ DATE _____

PRINT NAME _____

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.

Marianne K. Crampton — 25058 MD LICENSE NO.

SIGNATURE

MARIANNE CRAMPTON — 12/XX/2024

PRINT NAME — DATE

APPROVED: _____ Chief

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

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 — 4/21/2025 DATE

GREGORY M. DORAN
PRINT NAME — #6352

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR STORMWATER MANAGEMENT

K.Y. — 06.10.25 — D68-37DB-25
DISTRICT OFFICIAL — DATE — PLAN NO.

TECHNICAL REVIEW FOR THE DISTRICT

BY: K.Y. — 06.10.25
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY — DATE

SWM SHEET 1 OF 13

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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

CONTRACT COMPLETION BOX

R.O.W NO. — ISW — 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=30' ; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: _____ PROPERTY MANAGER; DATE: 4/21/2025

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

ESSEX POLICE PRECINCT - 11

NATURAL RESOURCES MAP

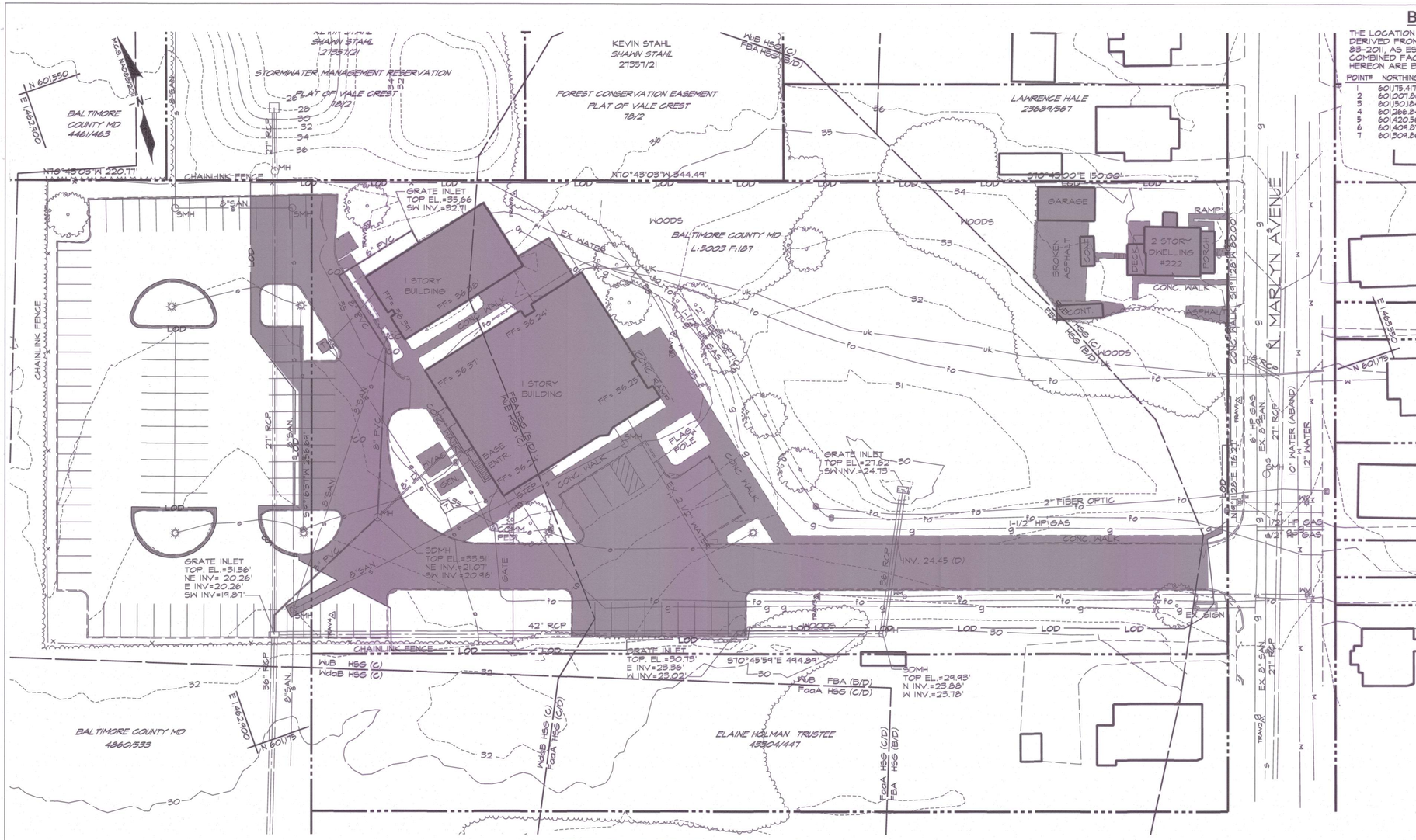
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
MCS C9.00	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET	46 OF 295
DRAWING NUMBER	2025-0937
FILE NO.: 8	REV. 05/09



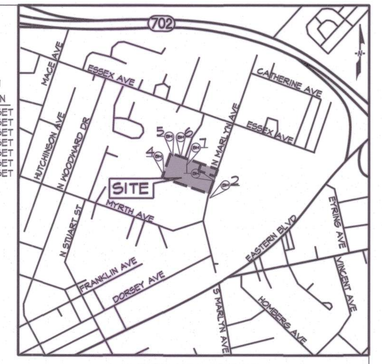
EXISTING IMPERVIOUS AREA MAP

SCALE: 1" = 30'

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,463,460.8890	34.41	REBAR+CAP SET
2	601,007.8621	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.8471	1,462,860.0274	33.26	REBAR+CAP SET
5	601,420.5684	1,463,041.4859	36.10	REBAR+CAP SET
6	601,404.8751	1,463,121.7855	36.14	REBAR+CAP SET
7	601,508.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- to — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 2-1/2" 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. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- EXISTING IMPERVIOUS AREA
- NWB HSG (C) / FBA HSG (B/D) — SOILS BOUNDARY

EXSTING CONDITION IMPERVIOUS AREA ANALYSIS

LIMIT OF DISTURBANCE: 125,328 SF. OR 2.87 AC.
EXISTING IMPERVIOUS AREA: 51,425 SF. OR 1.18 AC.

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

OWNER/ DEVELOPER
BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER
MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 2 OF 13

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.01	25022 PPO

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · 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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
DATE: 1-17-25
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

CONTRACT COMPLETION BOX

AS-BUILT / REVISION	BY	DATE

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

MCS

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EXISTING IMPERVIOUS AREA MAP

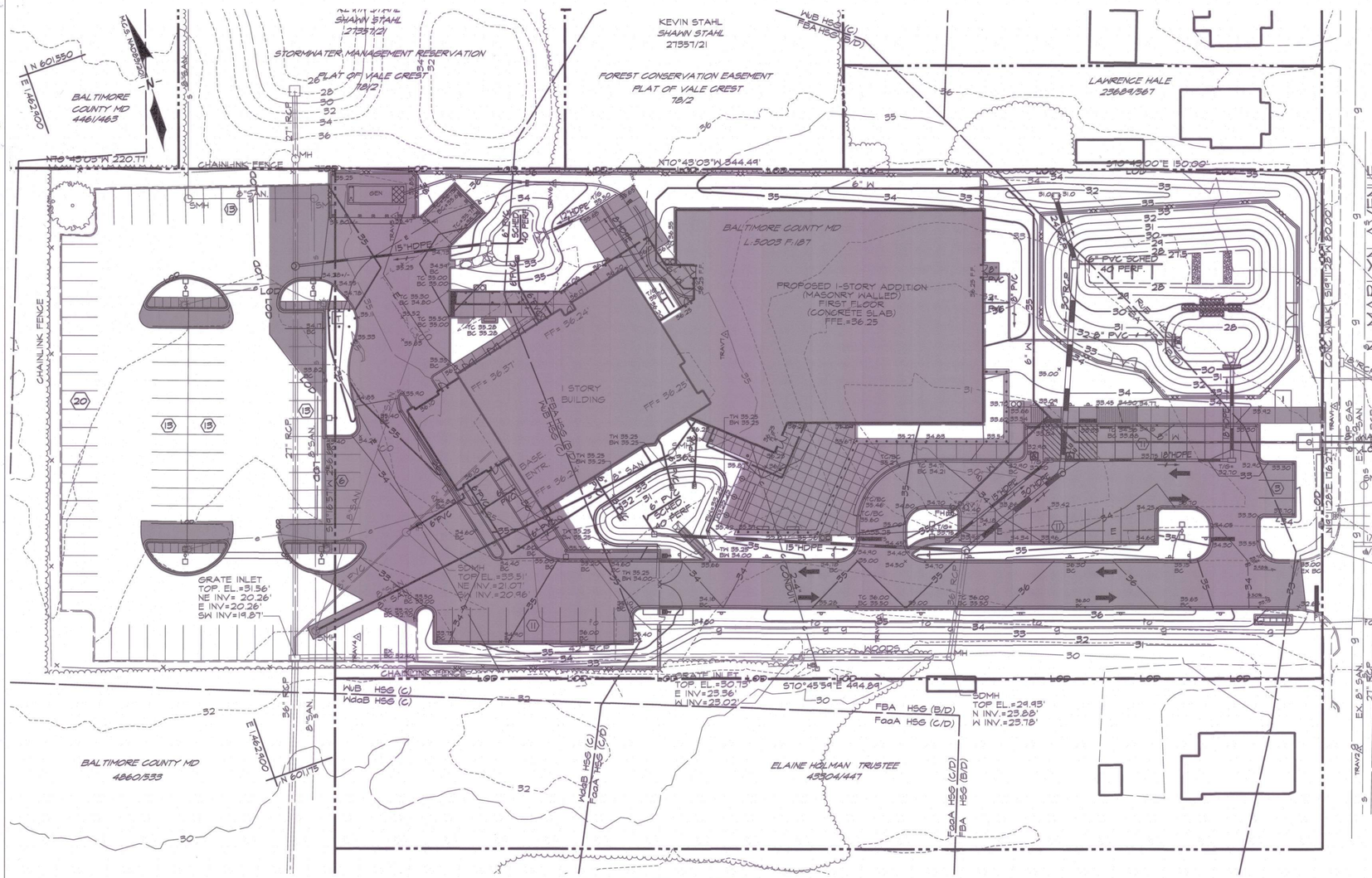
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

JOB ORDER NUMBER	PROJ-10000636
SHEET	47 OF 295
DRAWING NUMBER	2025-0938
FILE NO.: 8	REV. 05/20



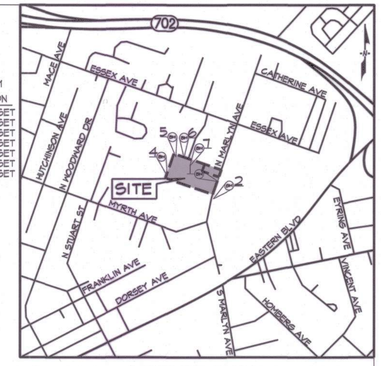
PROPOSED IMPERVIOUS AREA MAP

SCALE: 1" = 30'

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.999971699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

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4	601,266.8471	1,462,960.0274	33.26	REBAR+CAP SET
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6	601,409.8751	1,463,127.7953	36.14	REBAR+CAP SET
7	601,304.8603	1,463,184.2642	35.01	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- to — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
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- 15" RCP. — EX. STORM DRAIN
- 2-1/2" WATER — EX. WATER
- x — x — x — EX. FENCE
- EX. WOODS LINE
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. SANITARY MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. CLEANOUT
- EX. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- PROPOSED IMPERVIOUS AREA
- HSG (C) / HSG (B/D) — SOILS BOUNDARY

PROPOSED CONDITION
IMPERVIOUS AREA ANALYSIS

LIMIT OF DISTURBANCE: 125,328 SF. OR 2.87 AC.
PROPOSED IMPERVIOUS AREA: 79,640 SF. OR 1.82 AC.

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

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

MCS

SWM SHEET 3 OF 13

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

SEAL

STATE OF MARYLAND
MARIANNE K. CRAMPTON
No. 25058
PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29
CONTRACT COMPLETION BOX					

DRAWING SCALE: PLAN SCALE: 1"=30' 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

ESSEX POLICE PRECINCT - 11

PROPOSED IMPERVIOUS AREA MAP

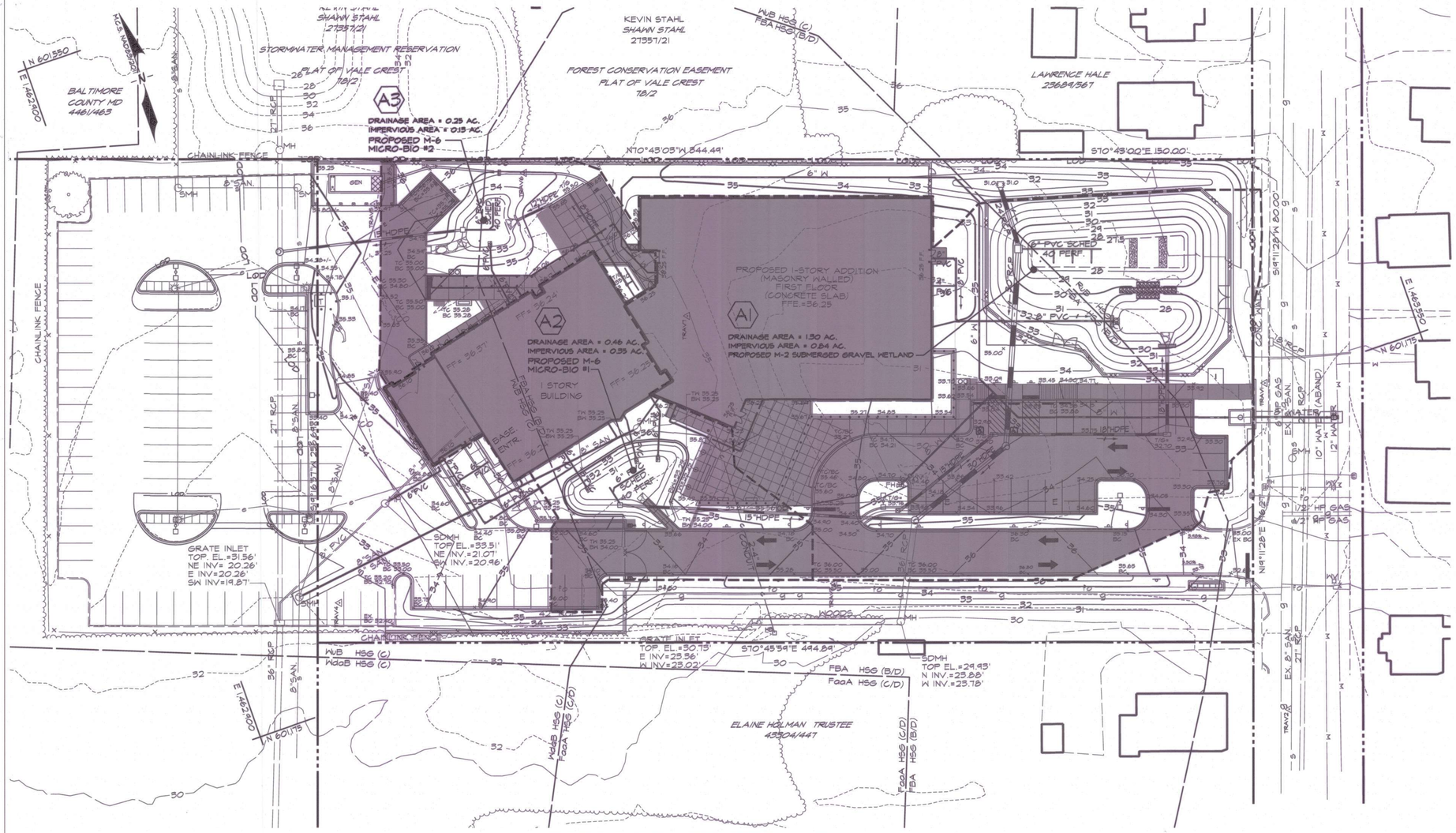
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C9.02	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 48 OF 295	
DRAWING NUMBER	2025-0939
FILE NO.: 8	



ENVIRONMENTAL SITE DESIGN PLAN

SCALE: 1" = 30'

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

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. COMMUNICATION
- ohe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 2-1/2" 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. LIGHT POLE
- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- LOD — LIMIT OF DISTURBANCE
- PROP. CONCRETE CURB & GUTTER
- PROP. CONCRETE WALK
- 8" W — PROP. WATER LINE
- 8" SAN — PROP. SANITARY SEWER
- 12" D — PROP. STORM DRAIN
- PROP. MANHOLE
- C — PROP. COMMUNICATIONS CONDUIT. SEE ELECTRICAL PLANS FOR DETAILS
- E — PROP. ELECTRICAL CONDUIT. SEE ELECTRICAL PLANS FOR DETAILS
- PROP. LIGHT POST. SEE ELECTRICAL PLANS FOR DETAILS
- WuB HSG (C) / FBA HSG (B/D) — SOILS BOUNDARY
- IMPERVIOUS AREA TO BE TREATED

SOILS DATA

SYMBOL	SOIL SERIES	SLOPE	HYDRIC	K-FACTOR WHOLE SOIL	HYDROLOGIC CLASSIFICATION
FaaA	FALLSINGTON SANDY LOAMS	0-2%	NO	N/A	C/D
FBA	FALLSINGTON-URBAND LAND COMPLEX	0-2%	NO	N/A	B/D
RuB	RUSSETT-URBAND LAND COMPLEX	0-5%	NO	N/A	C
WuB	WOODSTOWN-URBAND LAND COMPLEX	0-5%	NO	N/A	C
WddB	WOODSTOWN SANDY LOAM	2-5%	NO	N/A	C

SITE IMPERVIOUSNESS / AREA TO TREAT (AT) SUMMARY

LIMIT OF DISTURBANCE (LOD) = STORMWATER MANAGEMENT STUDY AREA (SSA)	2.87 AC
EXISTING IMPERVIOUS AREA	1.18 AC
PROPOSED IMPERVIOUS AREA	1.82 AC
PERCENT IMPERVIOUS (THE SITE IS REDEVELOPMENT)	41.11
NEW DEVELOPMENT AREA TO TREAT (AT) = 1.82 AC. (PROP. IMP.) - 1.18 AC. (EX. IMP.)	0.64 AC
REDEVELOPMENT AT = 0.5 x 1.18 ACRES (EXISTING IMPERVIOUS AREA)	0.59 AC
PE REQUIRED NEW DEVELOPMENT	2.12
PE REQUIRED REDEVELOPMENT	1.00

STORMWATER MANAGEMENT STORAGE REQUIREMENTS

REQUIREMENT	VOLUME REQUIRED	VOLUME PROVIDED	NOTES
ESDv **	6,714 C.F.	8,583 C.F.	ESDV IS BEING PROVIDED IN ONE (1) PROPOSED SUBMERGED GRAVEL WETLAND AND TWO (2) MICRO-BIORETENTION FACILITIES
Rev *	287 C.F.	-----	GROUNDWATER RECHARGE CANNOT BE PROVIDED DUE TO HIGH GROUNDWATER THROUGHOUT THE SITE
WQ$_v$	4,242 C.F.	4,242 C.F.	WQv HAS BEEN PROVIDED WITHIN THE THREE FACILITIES
Cp$_v$	2,472 C.F.	4,341 C.F.	CHANNEL PROTECTION IS PROVIDED ABOVE THE WQV IN THE SUBMERGED GRAVEL WETLAND

* Recharge volume (Rev) is a fraction of the water quality volume (WQv)
**Environmental Site Design volume (ESDv) is WQv plus channel protection volume (Cpv)

FACILITY DESIGN SUMMARY TABLE

	PRACTICE	DIMENSIONS	DRAINAGE AREA	PROVIDED 'AT'	TARGET STORAGE VOLUME ESDV (C.F.)	STORAGE VOLUME PROVIDED ESDV (C.F.)	TREATMENT VOLUME CREDITED, ESDV	'Re.' PROVIDED	TARGET 'Pe'	'Pe' PROVIDED
DESIGN POINT #1	SUBMERGED GRAVEL WETLAND #1	18'x80'x1.50' APPROX.	A1 1.30 AC.	0.84 AC.	5,969 C.F.	4,102 C.F.	5,469 C.F.	———	2.00"	1.83"
	MICRO-BIO FACILITY #1	50'x23'x1.00' APPROX.	A2 0.46 AC.	0.35 AC.	2,443 C.F.	1,516 C.F.	2,021 C.F.	-----	2.00"	1.65"
	MICRO-BIO FACILITY #2	22'x18'x1.00' APPROX.	A3 0.25 AC.	0.15 AC.	852 C.F.	820 C.F.	1,093 C.F.	———	1.80"	2.31"
TOTAL PROVIDED		———	———	1.32 AC.	———	6,438 C.F.	8,583 C.F.	------	———	1.84"*
TOTAL REQUIRED		———	———	1.23 AC.	6,714 C.F.	———	———	287 C.F.	1.59"**	———

MIN. WQv FOR OVERALL SITE IS 4,242 C.F.
* PE = (12 x ESDv TREATED)/ (Weighted Rv x A) = (12 x 8,583 S.F.) /(0.64 x 2.01 AC x 43560 SF/AC) = 1.84"
Where weighted Rv = ((0.73x0.46 ac)+(0.52x0.25 AC)+(0.65x1.30 AC))/2.01 AC= 0.64
** Weighted PE Required = (0.59 AC x 1.00")+(0.64 AC x 2.12")/1.23 Ac = 1.59"

OWNER/ DEVELOPER
BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER
MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 4 OF 15

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

SEAL — STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION
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LICENSE NO. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY:
DATE: 4.17.25

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT
CONTRACT COMPLETION BOX | R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29 | PLAN SCALE: 1"=30' | APPROVED BY: PROPERTY MANAGER
PROFILE SCALE: | DATE:

DGN BY: SM | DWN BY: SG | CHKD BY: SM

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
ESSEX POLICE PRECINCT - 11
ENVIRONMENTAL SITE DESIGN PLAN
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
MCS C9.03	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 49 OF 295
	DRAWING NUMBER
	2025-0940
	FILE NO.: 8



LEGEND

- PROPERTY LINE
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- G — EX. GAS MAIN
- T — EX. COMMUNICATION
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- T — EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- WuB, RuD HSG (C) — SOILS BOUNDARY
- LOD — LIMIT OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- LINE OF INVESTIGATION
- A — DRAINAGE AREA LABEL
- EXIST. IMPERVIOUS AREA
- EXIST. WOODED AREA
- TC PATH — TIME OF CONCENTRATION

EXISTING CONDITIONS DA SUMMARY

DESIGN POINT	DA	DA (ACRES)	Tc (HRS)	CURVE NUMBER	Q_{10} (CFS)
DP 'A'	A	7.92	0.27	83	23.96
LOI 'A'	B	0.29	0.10	77	1.02
LOI 'B'	C	0.01	0.10	96	0.07

EXISTING QUANTITY MANAGEMENT DRAINAGE AREA MAP

SCALE: 1" = 50'

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

MCS

SWM SHEET 5 OF 13

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

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · NO. 25058 · PROFESSIONAL ENGINEER
DATE: 1-17-25

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. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: SM
DWN BY: SG
CHKD BY: SM

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

P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=50' ; 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

ESSEX POLICE PRECINCT - 11

EXISTING QUANTITY MANAGEMENT DRAINAGE AREA MAP

RENOVATION & ADDITION

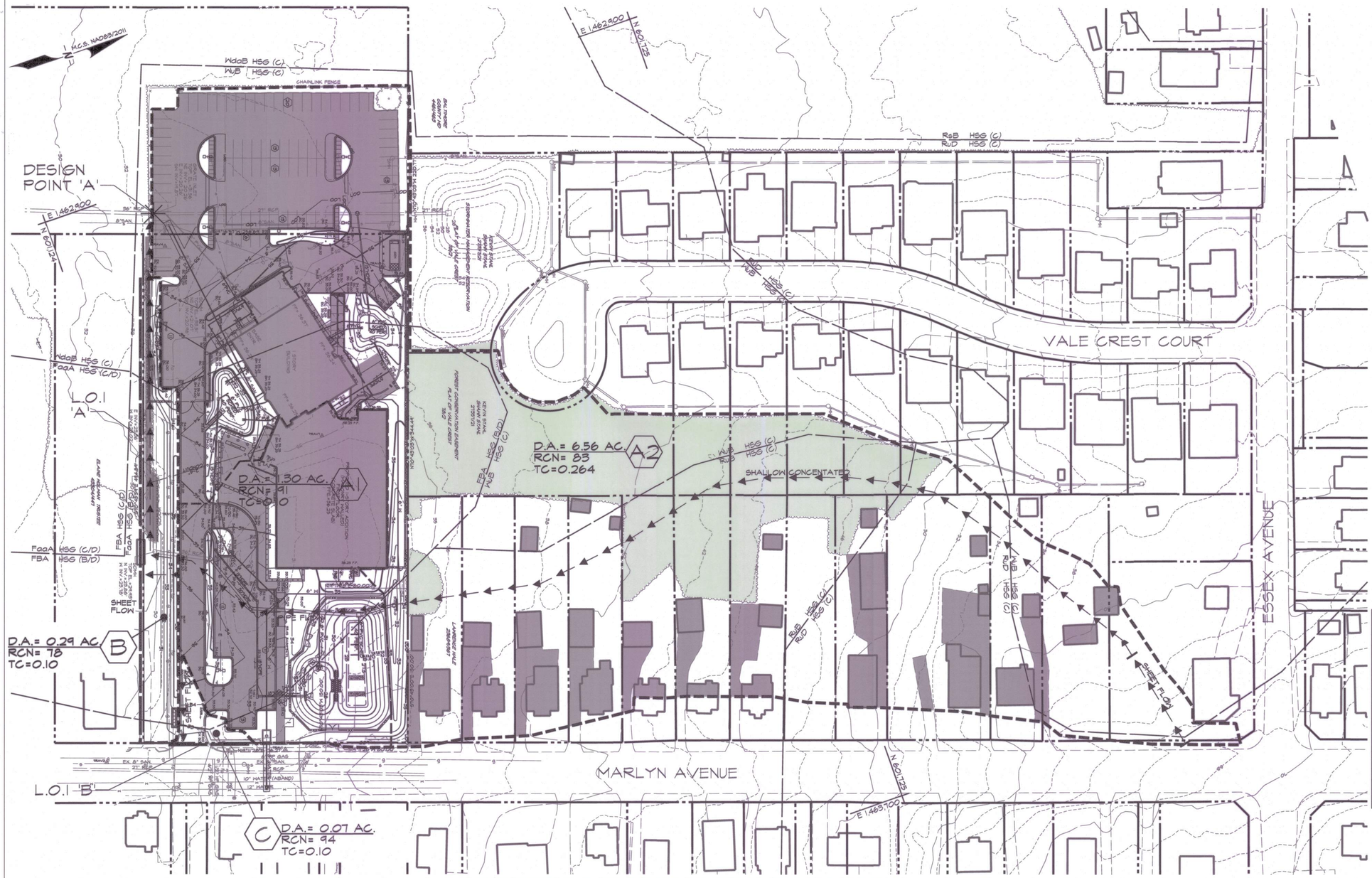
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C9.04	25022 PPO
JOB ORDER NUMBER	PROJ-10000636
SHEET 50 OF 295	
DRAWING NUMBER	2025-0941
FILE NO.: 8	REV. 05/26

BALTIMORE COUNTY MARYLAND



PROPOSED QUANTITY MANAGEMENT DRAINAGE AREA MAP

SCALE: 1" = 50'

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- g — EX. GAS MAIN
- fo — EX. COMMUNICATION
- oHe — EX. OVERHEAD ELECTRIC
- e — EX. ELECTRIC
- 8" SAN. — EX. SANITARY SEWER
- 15" RCP. — EX. STORM DRAIN
- 2-1/2" W 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. LIGHT POLE
- T EX. ELEC. TRANSFORMER
- EX. TREE / BUSH
- WuB HSG (C) / RuD HSG (C) — SOILS BOUNDARY
- LOD — LIMIT OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- LINE OF INVESTIGATION
- (A) DRAINAGE AREA LABEL
- PROP. IMPERVIOUS AREA
- PROP. WOODED AREA
- TC PATH — TIME OF CONCENTRATION

PROPOSED CONDITIONS DA SUMMARY

DESIGN POINT	DA	DA (ACRES)	Tc (HRS)	CURVE NUMBER	Q_p (CFS)
DP 'A'	A1	1.30	0.10	91	6.49*
	A2	6.56	0.264	83	20.02*
TOTAL					21.58
LOT 'A'	B	0.29	0.10	78	1.05
LOT 'B'	C	0.07	0.10	94	0.37

* SEE TR-20 COMPUTATIONS

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWAM SHEET 6 OF 13

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.05	25022 PPO

JOB ORDER NUMBER: PROJ-10000636
SHEET 51 OF 295
DRAWING NUMBER: 2025-0942
FILE NO.: 8

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 7-17-25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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

CONTRACT COMPLETION BOX

R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1"=50' ; 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

ESSEX POLICE PRECINCT - 11

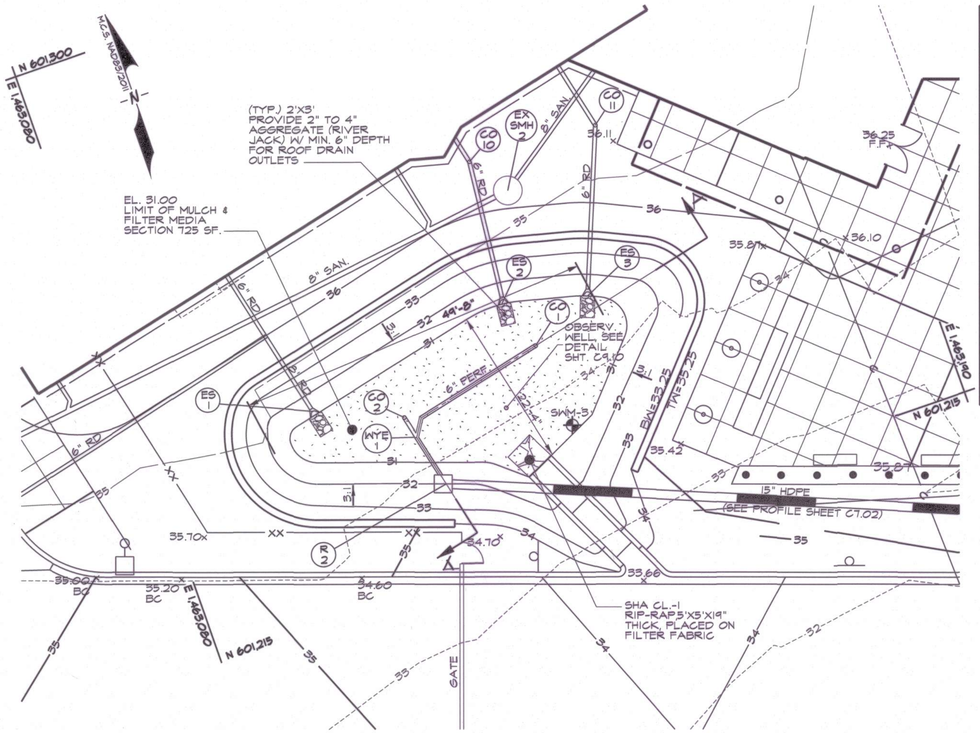
PROPOSED QUANTITY MANAGEMENT DRAINAGE AREA MAP

RENOVATION & ADDITION

SUBDIVISION: ESSEX

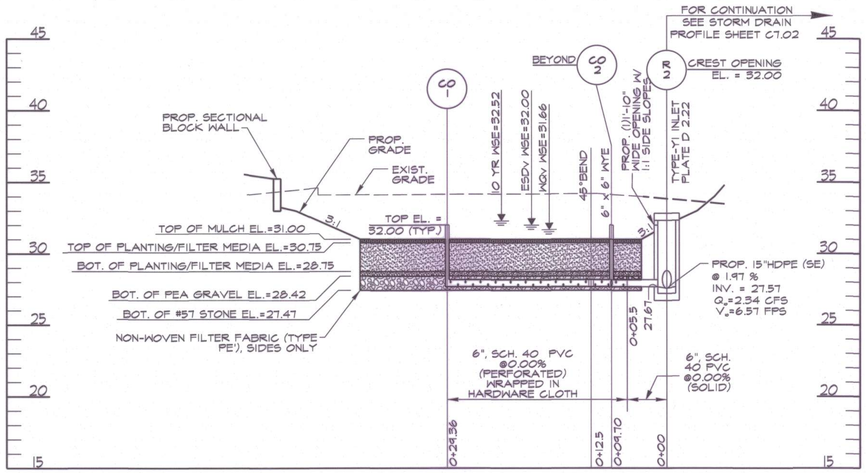
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7



MICRO-BIORETENTION FACILITY #1 (M-6)

SCALE: 1" = 10'



SECTION A-A

SCALE: HORIZ. 1" = 10' VERT. 1"=5'

MICRO-BIORETENTION #1 CONSTRUCTION INSPECTION CHECKLIST

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. SETBACK PER DESIGN MANUAL			
2. FILTER FABRIC A. FABRIC SPECIFICATION B. SIDES AND TOP (INFILTRATION C. SIDES, TOP, BOTTOM ATTENUATION)			
3. AGGREGATE MATERIAL A. TYPE (SLAG, # CRUSHED, GRAVEL) B. SIZE C. PLACEMENT			
4. OBSERVATION WELL / ROOF LEADERS A. ROOF LEADERS B. SURCHARGE PIPES C. PIPE SIZE AND TYPE D. MINIMUM COVER (1 FOOT)			
5. SURFACE LAYER A. AGGREGATE SURFACE B. VEGETATIVE SURFACE C. PAVED SURFACE			
6. INLET STRUCTURE A. INVERTS AND ELEVATIONS B. RECEIVES DESIGNED DRAINAGE AREA			
7. FINAL GRADING & PERMANENT STABILIZATION A. FINAL GRADES, PLANTINGS & MULCH			

SWM SEQUENCE OF CONSTRUCTION (MICRO-BIORETENTION #1)

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF EPS (SWM SECTION) AT (410) 871-3768 AND ENGINEER PREPARING AS-BUILT DRAWINGS, AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
2. INSTALLATION OF MICRO-BIORETENTION SHALL NOT TAKE PLACE UNTIL ALL CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
3. FLUSH ALL STORM DRAINS LEADING TO THE FACILITY PRIOR TO BEGINNING CONSTRUCTION.
4. EXCAVATE BOTTOM OF MICRO-BIORETENTION TO PROPOSED GRADE SHOWN ON SWM PLANS.
   A. AS-BUILT ENGINEER TO VERIFY DEPTH OF MICRO-BIORETENTION
5. INSTALL IMPERVIOUS LINER (IF APPLICABLE).
6. INSTALL NO. 57 STONE, UNDERDRAINS, CLEANOUTS AND OBSERVATION WELL.
7. INSTALL 6" PEA GRAVEL LAYER BETWEEN #57 STONE LAYER AND FILTER MEDIA LAYER AS SHOWN ON SWM PLANS. INSTALL FILTER MEDIA LAYER AS SHOWN ON THE SWM PLANS.
8. PROVIDE PERMANENT STABILIZATION AND PLANTING AS SHOWN ON THE SWM PLANS.
9. AS-BUILT FINAL LINE AND GRADE OF FACILITY.

DEWATERING NOTE

THE CONTRACTOR IS RESPONSIBLE FOR PUMPING ALL STANDING WATER THROUGH A FILTERING DEVICE TO A CLEAR WATER OUTFALL WITHIN 24 HOURS OF A STORM EVENT.

MICRO-BIORETENTION INSPECTION CRITERIA

REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION.

- DURING EXCAVATION STAGE
- DURING PLACEMENT OF UNDERDRAINS AND CLEANOUTS
- DURING PLACEMENT OF OBSERVATION WELL.
- 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 FOCAL POINT.

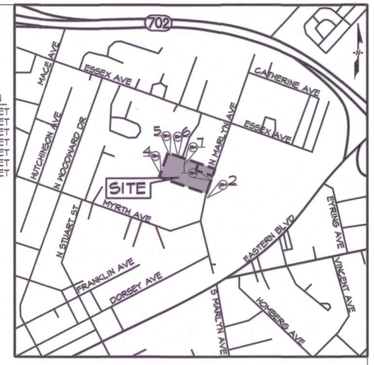
MICRO-BIORETENTION FACILITY MAINTENANCE SCHEDULE

1. REMOVE AND REPLACE THE TOP FEW INCHES OF FILTER MEDIA WHEN WATER PONDS FOR MORE THAN 24 HOURS (PER MAA GUIDELINES).
2. REMOVE SEDIMENT FROM SURFACE OF FILTER BED WHEN ACCUMULATION EXCEEDS ONE INCH.
3. PRUNE & REPLACE DEAD VEGETATION AS NECESSARY.
4. AREAS DEVOID OF MULCH SHALL BE RE-MULCHED ON AN ANNUAL BASIS
5. VIGOROUS AND DENSE GROWTH SHOULD BE MAINTAINED. ANY BARE SPOTS, BURNED OUT AREAS, OR ERODED AREAS MUST BE RE-SEEDED OR RE-SODDED IMMEDIATELY. WATERING AND/OR FERTILIZATION SHOULD BE PROVIDED DURING THE FIRST FEW MONTHS AFTER STRIP IS ESTABLISHED AND MAY PERIODICALLY BE NEEDED DURING PERIODS OF DROUGHT.

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,465,460.6890	34.41	REBAR+CAP SET
2	601,007.8621	1,465,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,465,210.7419	32.06	REBAR+CAP SET
4	601,266.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.3684	1,465,047.4856	36.10	REBAR+CAP SET
6	601,409.8757	1,465,127.7455	36.14	REBAR+CAP SET
7	601,309.8605	1,465,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

LEGEND

- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- PROP. INDEX CONTOUR
- PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. FENCE LINE
- PROP. CONCRETE WALK
- PROP. SANITARY SEWER
- PROP. STORM DRAIN
- PROP. MANHOLE
- SOIL BORING

GRAPHIC SCALE 5 0 2.5 5 10 (IN FEET) 1 inch = 5 ft.

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

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 7 OF 13

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.06	25022 PP0

SEAL: STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER — DATE: 4-17-25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: 1"=10' PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

MICRO-BIORETENTION FACILITY #1

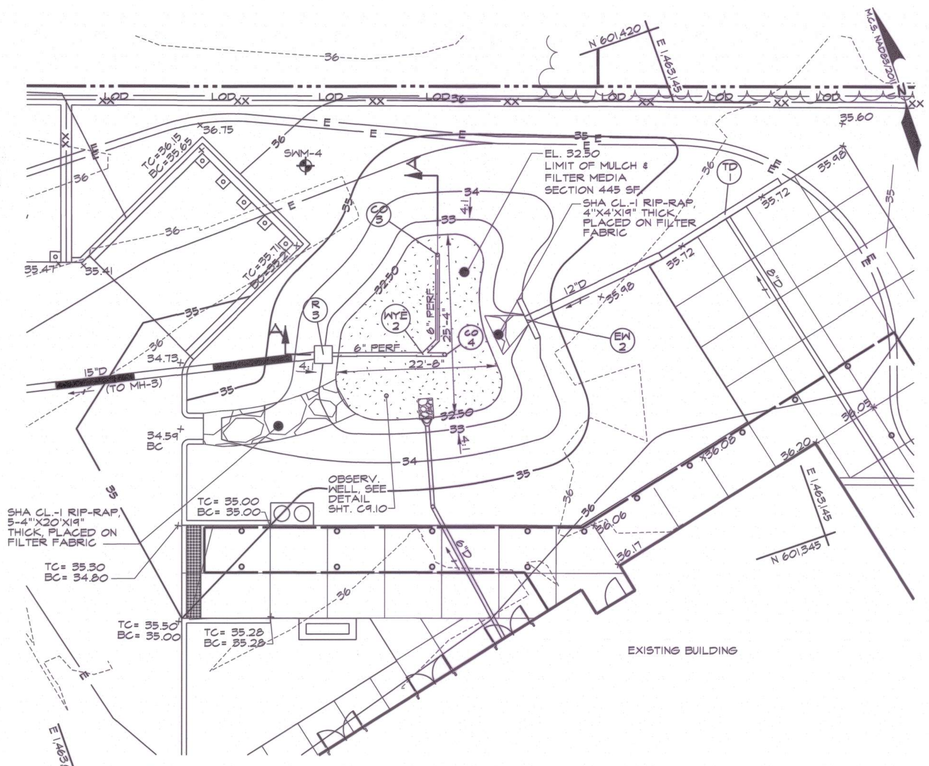
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

JOB ORDER NUMBER	SHEET NO. OF NO.	DRAWING NUMBER	FILE NO.: 8
PROJ-10000636	SHEET 52 OF 295	2025-0943	



MICRO-BIORETENTION FACILITY #2 (M-6)

SCALE: 1" = 10'

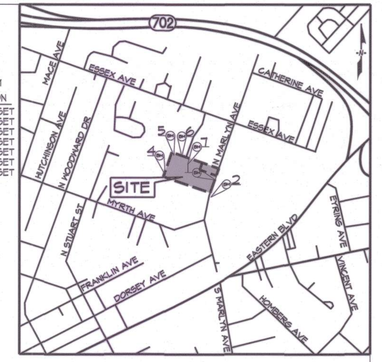
MICRO-BIORETENTION #2 CONSTRUCTION INSPECTION CHECKLIST

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. SETBACK PER DESIGN MANUAL			
2. FILTER FABRIC A. FABRIC SPECIFICATION B. SIDES AND TOP (INFILTRATION C. SIDES, TOP, BOTTOM ATTENUATION)			
3. AGGREGATE MATERIAL A. TYPE (SLAG, # CRUSHED, GRAVEL) B. SIZE C. PLACEMENT			
4. OBSERVATION WELL / ROOF LEADERS A. ROOF LEADERS B. SURCHARGE PIPES C. PIPE SIZE AND TYPE D. MINIMUM COVER (1 FOOT)			
5. SURFACE LAYER A. AGGREGATE SURFACE B. VEGETATIVE SURFACE C. PAVED SURFACE			
6. INLET STRUCTURE A. INVERTS AND ELEVATIONS B. RECEIVES DESIGNED DRAINAGE AREA			
7. FINAL GRADING & PERMANENT STABILIZATION A. FINAL GRADES, PLANTINGS & MULCH			

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,179.4174	1,463,460.8840	34.41	REBAR+CAP SET
2	601,007.8627	1,463,413.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.3684	1,463,047.4859	36.10	REBAR+CAP SET
6	601,408.8751	1,463,121.7955	36.14	REBAR+CAP SET
7	601,304.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

SWM SEQUENCE OF CONSTRUCTION (MICRO-BIORETENTION #2)

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF EPS (SWM SECTION) AT (410) 877-5768 AND ENGINEER PREPARING AS-BUILT DRAWINGS, AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
2. INSTALLATION OF MICRO-BIORETENTION SHALL NOT TAKE PLACE UNTIL ALL CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
3. FLUSH ALL STORM DRAINS LEADING TO THE FACILITY PRIOR TO BEGINNING CONSTRUCTION.
4. EXCAVATE BOTTOM OF MICRO-BIORETENTION TO PROPOSED GRADE SHOWN ON SWM PLANS.
   A. AS-BUILT ENGINEER TO VERIFY DEPTH OF MICRO-BIORETENTION
5. INSTALL IMPERVIOUS LINER (IF APPLICABLE).
6. INSTALL NO. 57 STONE, UNDERDRAINS, CLEANOUTS AND OBSERVATION WELL.
7. INSTALL 6" PEA GRAVEL LAYER BETWEEN #57 STONE LAYER AND FILTER MEDIA LAYER AS SHOWN ON SWM PLANS. INSTALL FILTER MEDIA LAYER AS SHOWN ON THE SWM PLANS.
8. PROVIDE PERMANENT STABILIZATION AND PLANTING AS SHOWN ON THE SWM PLANS.
9. AS-BUILT FINAL LINE AND GRADE OF FACILITY.

MICRO-BIORETENTION INSPECTION CRITERIA

REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION.

- DURING EXCAVATION STAGE
- DURING PLACEMENT OF UNDERDRAINS AND CLEANOUTS
- DURING PLACEMENT OF OBSERVATION WELL.
- 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 FOCAL POINT.

MICRO-BIORETENTION FACILITY MAINTENANCE SCHEDULE

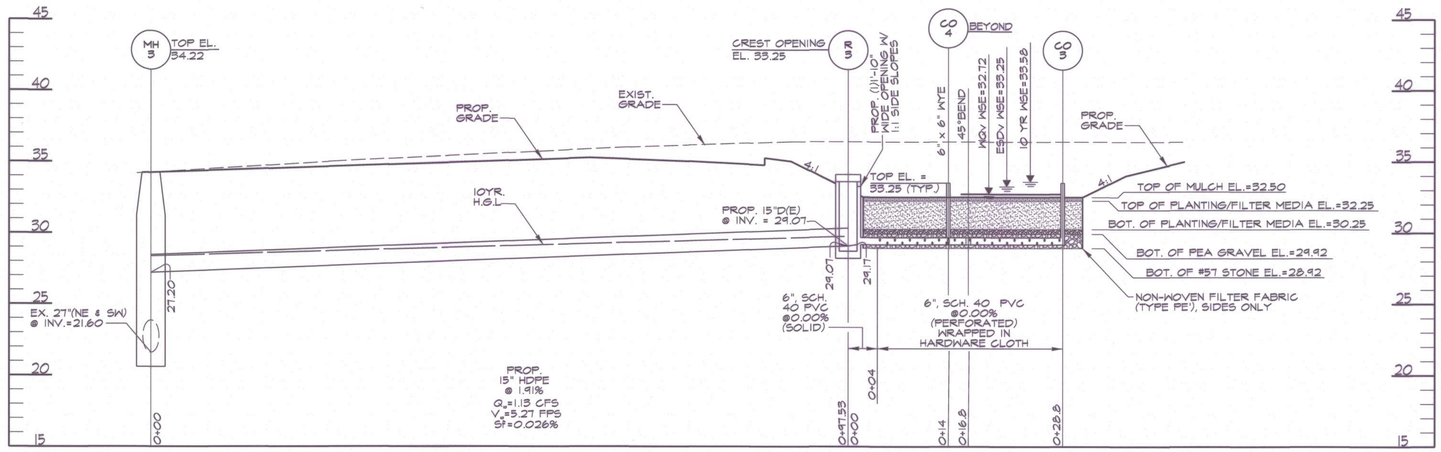
1. REMOVE AND REPLACE THE TOP FEW INCHES OF FILTER MEDIA WHEN WATER PONDS FOR MORE THAN 24 HOURS (PER MAA GUIDELINES).
2. REMOVE SEDIMENT FROM SURFACE OF FILTER BED WHEN ACCUMULATION EXCEEDS ONE INCH.
3. PRUNE & REPLACE DEAD VEGETATION AS NECESSARY.
4. AREAS DEVOID OF MULCH SHALL BE RE-MULCHED ON AN ANNUAL BASIS
5. VIGOROUS AND DENSE GROWTH SHOULD BE MAINTAINED. ANY BARE SPOTS, BURNED OUT AREAS, OR ERODED AREAS MUST BE RE-SEEDED OR RE-SODDED IMMEDIATELY. WATERING AND/OR FERTILIZATION SHOULD BE PROVIDED DURING THE FIRST FEW MONTHS AFTER STRIP IS ESTABLISHED AND MAY PERIODICALLY BE NEEDED DURING PERIODS OF DROUGHT.

DEWATERING NOTE

THE CONTRACTOR IS RESPONSIBLE FOR PUMPING ALL STANDING WATER THROUGH A FILTERING DEVICE TO A CLEAR WATER OUTFALL WITHIN 24 HOURS OF A STORM EVENT.

LEGEND

- PROPERTY LINE
- 30 — EX. INDEX CONTOUR
- 31 — EX. INTERMEDIATE CONTOUR
- LOD — LIMIT OF DISTURBANCE
- 185 — PROP. INDEX CONTOUR
- 184 — PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- XX — XX — PROP. FENCE LINE
- PROP. CONCRETE WALK
- 8" SAN — PROP. SANITARY SEWER
- 15" D — PROP. STORM DRAIN
- PROP. MANHOLE
- SWM-3 — SOIL BORING



SECTION A-A

SCALE: HORIZ. 1" = 10'
VERT. 1"=5'

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

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

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 8 OF 13

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.07	25022 PPO

JOB ORDER NUMBER	PROJ-10000636
SHEET 53 OF 295	
DRAWING NUMBER	2025-0944
FILE NO.: 8	

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026					R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1"=10' PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
		CONTRACT COMPLETION BOX							
ENGINEER: MARIANNE K. CRAMPTON	DGN BY: SM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: SG	REVIEWED BY:							
BY: DATE:	CHKD BY: SM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

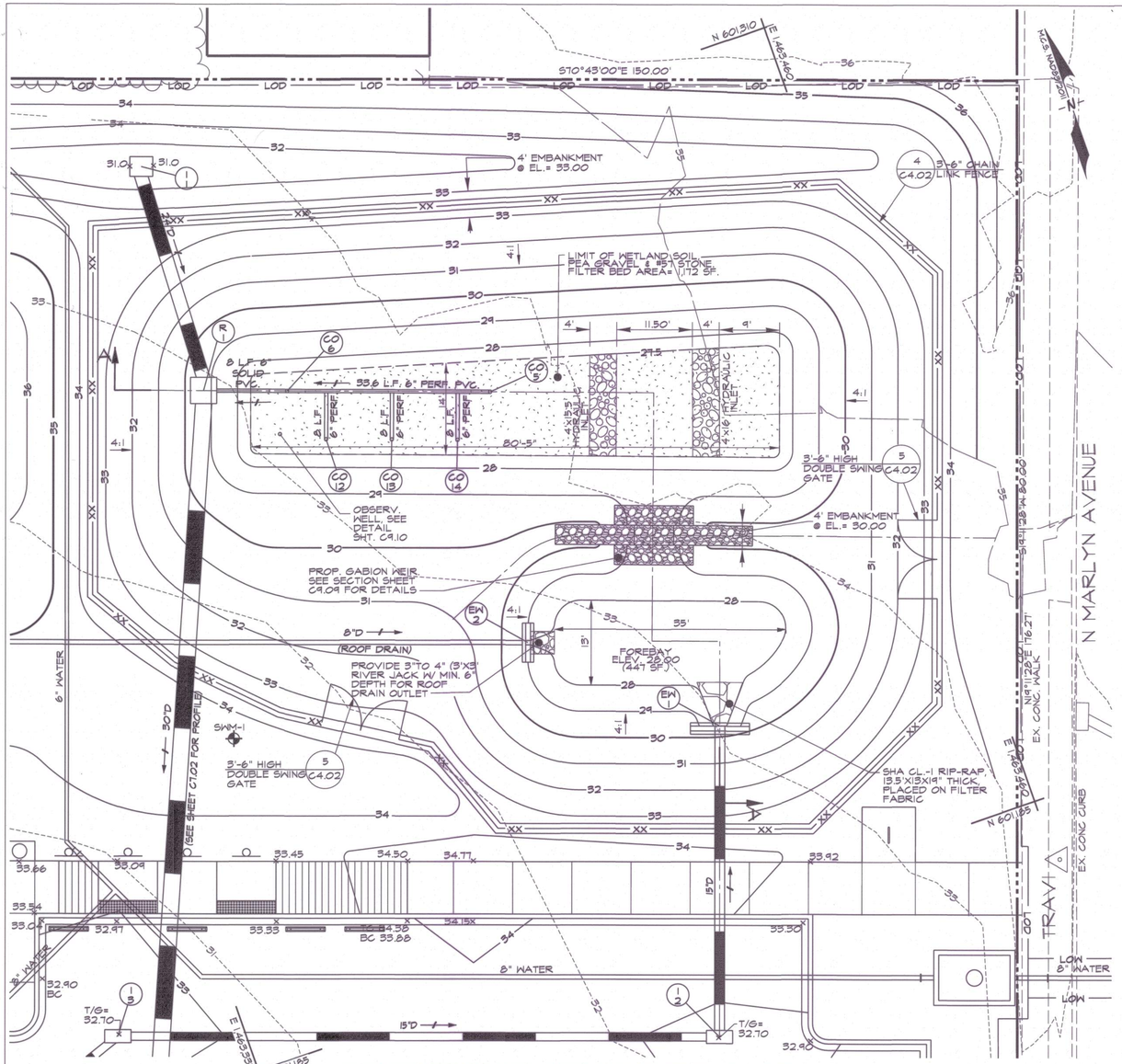
MICRO-BIORETENTION FACILITY #2

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7



SUBMERGED GRAVEL WETLAND FACILITY #1 (M-2)

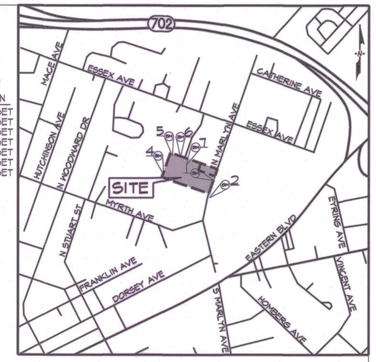
SCALE: 1" = 10'

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

BENCHMARK DATA

THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99991699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,463,460.6840	34.41	REBAR+CAP SET
2	601,001.8627	1,463,415.6510	33.09	REBAR+CAP SET
3	601,150.1847	1,463,210.7419	32.06	REBAR+CAP SET
4	601,266.8471	1,462,960.0274	33.26	REBAR+CAP SET
5	601,420.5684	1,463,047.4859	36.10	REBAR+CAP SET
6	601,409.8751	1,463,121.7955	36.14	REBAR+CAP SET
7	601,309.8603	1,463,184.2642	35.07	REBAR+CAP SET



VICINITY MAP

SCALE: 1" = 1,000'

FILTRATION PRACTICES CONSTRUCTION INSPECTION CHECKLIST (SUBMERGED GRAVEL WETLAND FACILITY #1)

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. FILTER FABRIC A. FABRIC SPECIFICATIONS B. SIDES AND TOP (INFILTRATION) C. SIDES, TOP, BOTTOM (ATTENUATION)			
3. AGGREGATE MATERIAL A. TYPE (# CRUSHED, GRAVEL) B. SIZE C. PLACEMENT			
4. OBSERVATION WELL / ROOF LEADERS A. ROOF LEADERS B. SURCHARGE PIPE(S) C. PIPE SIZE AND TYPE D. MINIMUM COVER (1 FOOT)			
5. SURFACE LAYER A. AGGREGATE SURFACE B. VEGETATIVE SURFACE C. PAVED SURFACE			
6. INLET STRUCTURE A. INVERTS AND ELEVATIONS B. RECEIVES DESIGNED DRAINAGE AREA			

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

LEGEND

- PROPERTY LINE
- 30 EX. INDEX CONTOUR
- 31 EX. INTERMEDIATE CONTOUR
- LOD LIMIT OF DISTURBANCE
- 185 PROP. INDEX CONTOUR
- 184 PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- XX XX PROP. FENCE LINE
- PROP. CONCRETE WALK
- 8" WATER PROP. WATER LINE
- 15" D PROP. STORM DRAIN
- PROP. MANHOLE
- SWM-3 SOIL BORING

NOTES:

1. SEE SHEET C9.09 FOR FACILITY PROFILES
2. SEE SHEETS C9.10-C9.11 FOR STORMWATER NOTES & DETAILS

SUBMERGED GRAVEL WETLAND FACILITY MAINTENANCE SCHEDULE

1. REMOVE AND REPLACE THE TOP FEW INCHES OF WETLAND SOIL MEDIA WHEN WATER PONDS FOR MORE THAN 24 HOURS (PER MAA GUIDELINES).
2. REMOVE SEDIMENT FROM SURFACE OF FILTER BED WHEN ACCUMULATION EXCEEDS ONE INCH.
3. PRUNE & REPLACE DEAD VEGETATION AS NECESSARY.
4. AREAS DEVOID OF WETLAND SOIL MEDIA SHALL BE REPLACED ON AN ANNUAL BASIS
5. VIGOROUS AND DENSE GROWTH SHOULD BE MAINTAINED. ANY BARE SPOTS, BURNED OUT AREAS, OR ERODED AREAS MUST BE RE-SEEDED OR RE-SODDED IMMEDIATELY. WATERING AND/OR FERTILIZATION SHOULD BE PROVIDED DURING THE FIRST FEW MONTHS AFTER STRIP IS ESTABLISHED AND MAY PERIODICALLY BE NEEDED DURING PERIODS OF DROUGHT.

SWM SEQUENCE OF CONSTRUCTION (SUBMERGED GRAVEL WETLAND)

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF EPS (SWM SECTION) AT (410) 877-3168 AND ENGINEER PREPARING AS-BUILT DRAWINGS, AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
2. CONVERSION OF SEDIMENT TRAP TO SUBMERGED GRAVEL SHALL NOT TAKE PLACE UNTIL ALL CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
3. FLUSH ALL STORM DRAINS LEADING TO THE FACILITY PRIOR TO BEGINNING CONSTRUCTION.
4. EXCAVATE BOTTOM OF SUBMERGED GRAVEL WETLAND TO PROPOSED GRADE SHOWN ON SWM PLANS.
   A. AS-BUILT ENGINEER TO VERIFY DEPTH OF SUBMERGERGED GRAVEL WETLAND
5. INSTALL IMPERVIOUS LINER (IF APPLICABLE).
6. INSTALL 24" NO. 57 STONE, UNDERDRAINS, CLEANOUTS AND OBSERVATION WELL.
7. INSTALL 3" BRIDGING PEA GRAVEL LAYER AS SHOWN ON SWM PLANS. INSTALL 8" WETLAND SOIL MEDIA LAYER & STONE HYDRAULIC INLETS AS SHOWN ON THE LANDSCAPE PLANS.
8. PROVIDE PERMANENT STABILIZATION AND PLANTING AS SHOWN ON THE SWM PLANS.
9. AS-BUILT FINAL LINE AND GRADE OF FACILITY.

DEWATERING NOTE

THE CONTRACTOR IS RESPONSIBLE FOR PUMPING ALL STANDING WATER THROUGH A FILTERING DEVICE TO A CLEAR WATER OUTFALL WITHIN 24 HOURS OF A STORM EVENT.

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K. CRAMPTON
MKC CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 9 OF 15

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.08	25022 PPO

MCS

JOB ORDER NUMBER
PROJ-10000636
SHEET 54 OF 295
DRAWING NUMBER
2025-0945
FILE NO.: 8

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					7NE28
			R.O.W NO.	ISW	7NE29
CONTRACT COMPLETION BOX					8NE28
					8NE29

DRAWING SCALE	
PLAN SCALE:	1"=10'
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DGN BY: SM	DWN BY: SG	CHKD BY: SM

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

ESSEX POLICE PRECINCT - 11

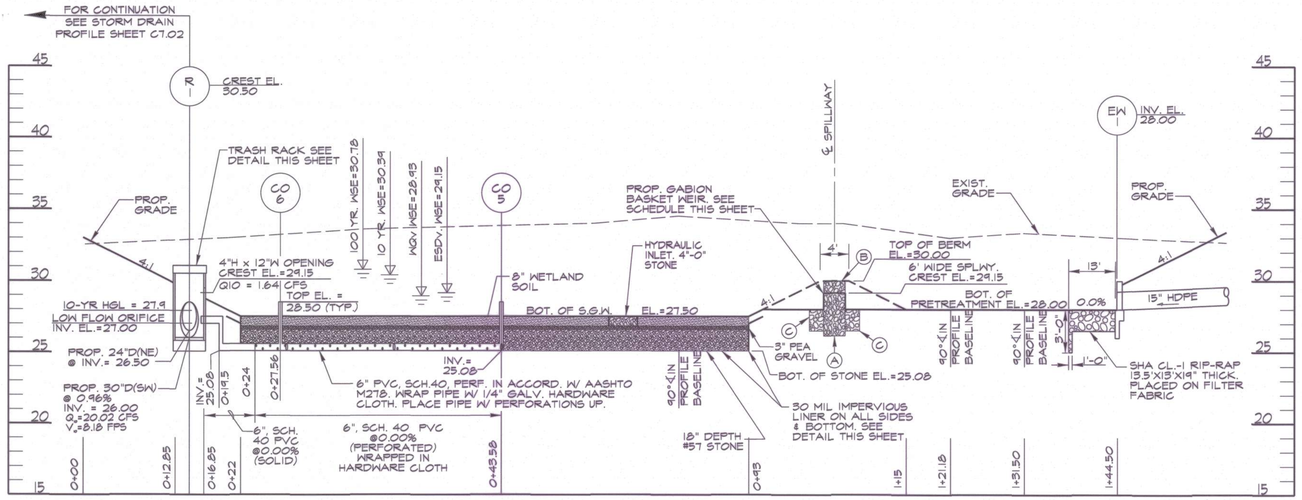
SUBMERGED GRAVEL WETLAND FACILITY #1

RENOVATION & ADDITION

SUBDIVISION: ESSEX

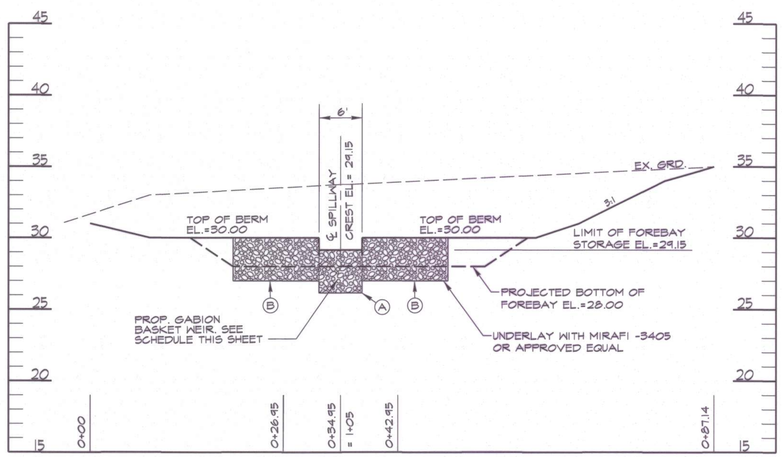
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7



PROFILE ALONG SUBMERGED GRAVEL WETLAND (SECTION A-A)

SCALE: HORIZ. 1" = 10'
VERT. 1"=5'

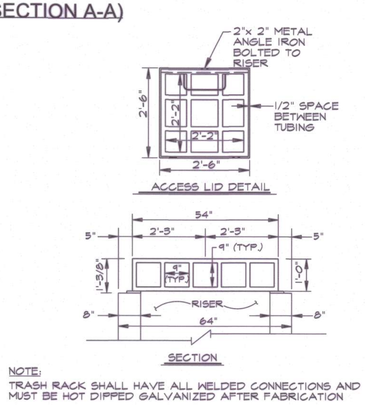


PROFILE ALONG BERM AT FOREBAY

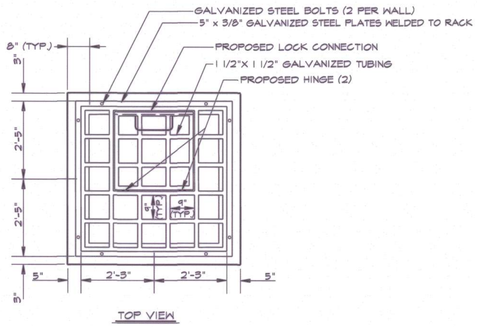
SCALE: HORIZ. 1" = 10'
VERT. 1"=5'

GABION SIZE SCHEDULE	
LETTER CODE	L X W X D
Ⓐ	6' X 3' X 3'
Ⓑ	12' X 3' X 3'
Ⓒ	12' X 3' X 1'

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



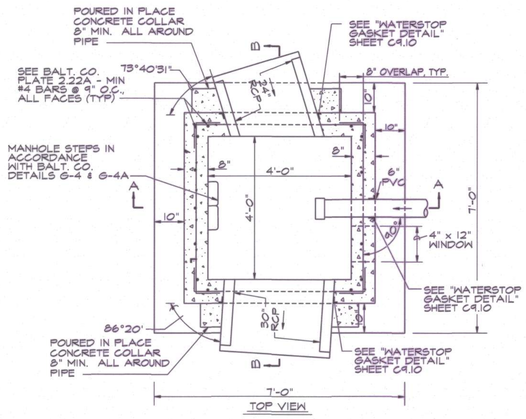
NOTE:
TRASH RACK SHALL HAVE ALL WELDED CONNECTIONS AND MUST BE HOT DIPPED GALVANIZED AFTER FABRICATION



2 C9.09 TRASH RACK DETAIL R-1

NOT TO SCALE

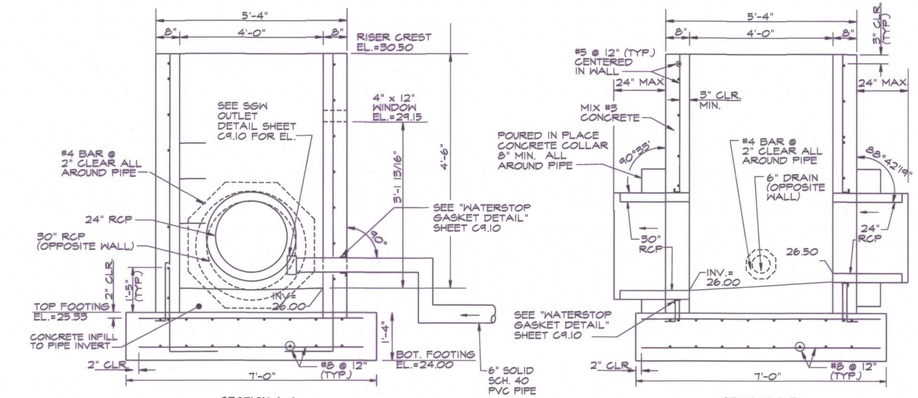
NOTE: TRASH RACK NOT SHOWN FOR CLARITY SEE DETAIL THIS SHEET



PRE-CAST CONCRETE AND PRE-FABRICATED STEEL STRUCTURE NOTES

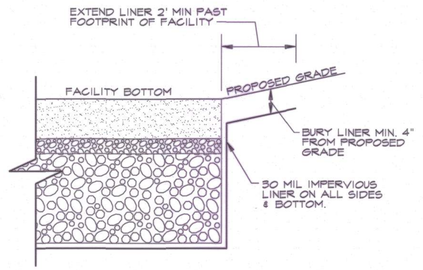
PRE-CAST IS AN ACCEPTABLE ALTERNATIVE TO THE CAST-IN-PLACE SHOWN PROVIDED:

1. SHOP DRAWING WITH SUPPORTING STRUCTURAL COMPUTATIONS (SIGNED & SEALED BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER) MEETING ASTM REQUIREMENTS FOR PRE-CAST STRUCTURES MUST BE SUBMITTED TO THE ENGINEER, AND THE APPROVING AGENCY(BALTO. CO. DEPS) FOR APPROVAL PRIOR TO FABRICATION.
2. IF ANY STRUCTURE DIMENSIONS VARY FROM THOSE ORIGINALLY REVIEWED/ APPROVED, THEN THE HYDRAULICS, FLOTATION AND STRUCTURAL INTEGRITY WILL HAVE TO BE RE-ANALYZED.
3. ALL JOINTS AND CONNECTIONS SHALL BE WATERTIGHT. METHOD OF ACHIEVING A WATERTIGHT SEAL BETWEEN THE RISER STRUCTURE, AND ALL CONDUITS (I. E., BARREL AND LOW FLOW PIPES) SHALL BE APPROVED BY THE ENGINEER IN CHARGE, AND BALTIMORE COUNTY DEPS PRIOR TO FABRICATION.
4. ALL CONCRETE CORNERS TO BE CHAMFERED WITH 3/4" X 3/4" MILLED CHAMFER STRIPS.



1 C9.09 CAST-IN-PLACE (WITH PRECAST OPTION) RISER DETAIL (R-1)

SCALE: 1/2"=1'



3 C9.09 IMPERVIOUS LINER DETAIL TIE-IN

NOT TO SCALE

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 10 OF 13

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

SEAL
STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 7-17-25

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. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; PROFILE SCALE: HORIZ. 1"=10' VERT. 1"=5'

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

DESIGN	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DGN BY: SM								
DWN BY: SG	REVIEWED BY:							
CHKD BY: SM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

SUBMERGED GRAVEL WETLAND PROFILES & DETAILS

RENOVATION & ADDITION

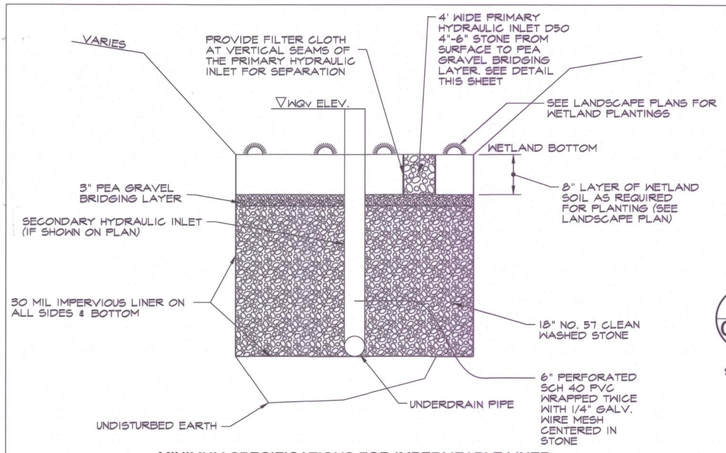
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C9.09	25022 PPO

JOB ORDER NUMBER
PROJ-10000636
SHEET 55 OF 295
DRAWING NUMBER
2025-0946
FILE NO.: 8



MINIMUM SPECIFICATIONS FOR IMPERMEABLE LINER

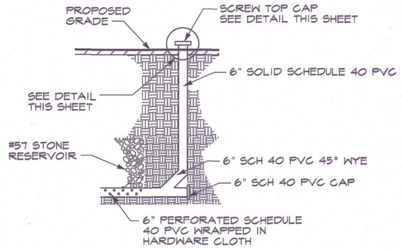
ASTM-D-4833 (30 MIL THICKNESS)
ASTM-D-412 (TENSILE STRENGTH 1,100 LB., ELONGATION 200%)
ASTM-D-624 (TEAR RESISTANCE = 150 LB/IN)
ASTM-D-471 (WATER ABSORPTION +5 TO -2% MASS)

MINIMUM SPECIFICATIONS FOR WETLAND SOIL MIX

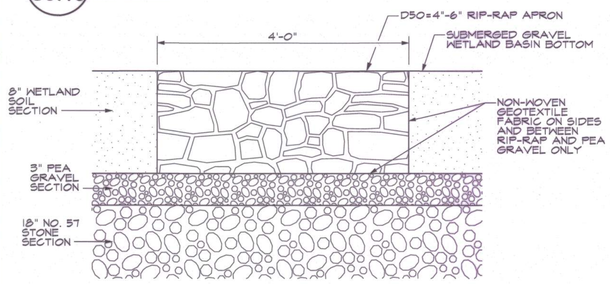
WETLAND SOIL SHALL BE USDA SOIL CLASSIFIED AS CLAY OR SILT LOAM HAVING A MEDIAN PARTICLE SIZE (D50) OF 0.15MM AND HAVE AN ORGANIC CONTENT GREATER THAN OR EQUAL TO 15% AND A CLAY CONTENT LESS THAN OR EQUAL TO 15%. SEE THE TABLE BELOW FOR PARTICLE SIZE DISTRIBUTION:

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

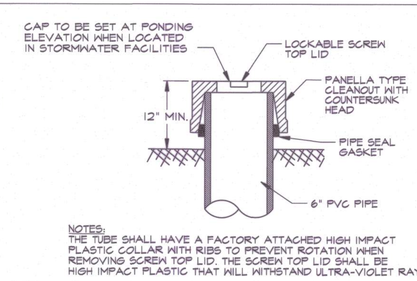
1 C9.10 SUBMERGED GRAVEL WETLAND TYPICAL SECTION
NOT TO SCALE



6 C9.10 SWM FACILITY CLEANOUT
NOT TO SCALE

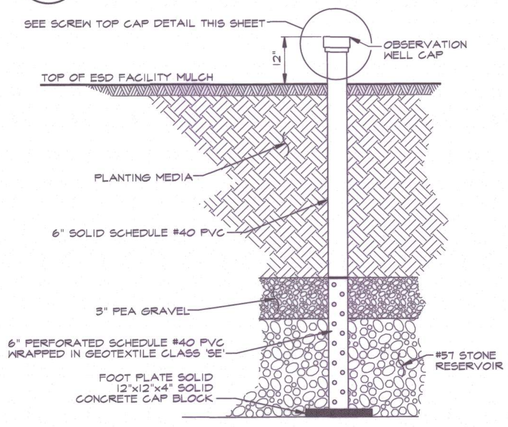


7 C9.10 PRIMARY HYDRAULIC INLET DETAIL
NOT TO SCALE

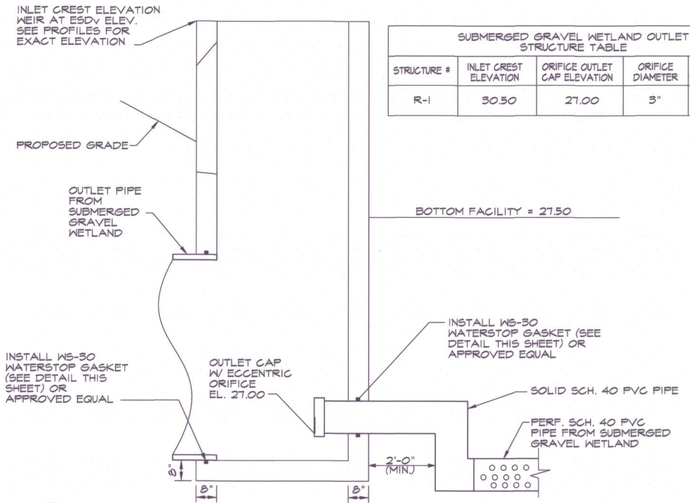


NOTES:
THE TUBE SHALL HAVE A FACTORY ATTACHED HIGH IMPACT PLASTIC COLLAR WITH RIBS TO PREVENT ROTATION WHEN REMOVING SCREW TOP LID. THE SCREW TOP LID SHALL BE HIGH IMPACT PLASTIC THAT WILL WITHSTAND ULTRA-VIOLET RAYS.

2 C9.10 SCREW TOP CAP
NOT TO SCALE

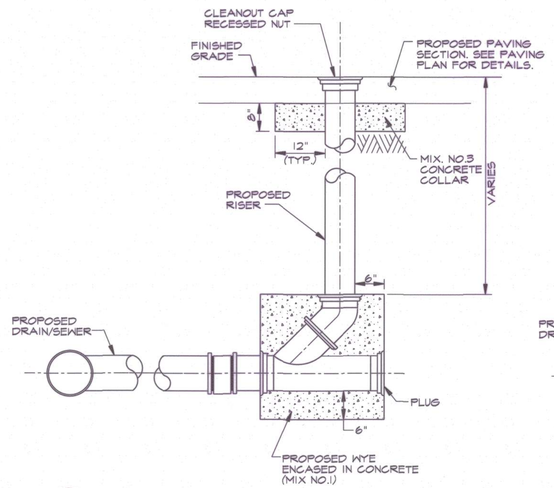


3 C9.10 SWM OBSERVATION WELL
NOT TO SCALE

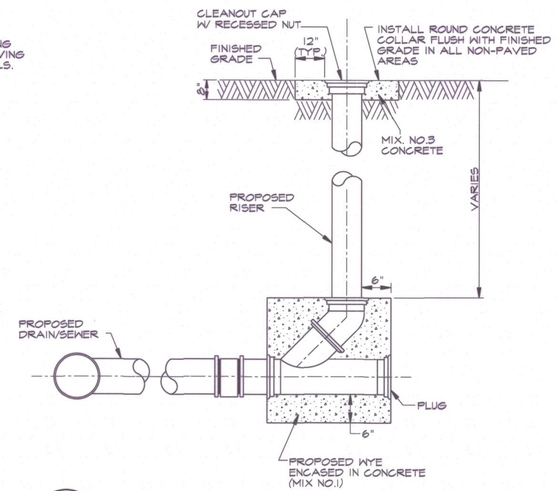


SUBMERGED GRAVEL WETLAND OUTLET STRUCTURE TABLE				
STRUCTURE #	INLET CREST ELEVATION	ORIFICE OUTLET CAP ELEVATION	ORIFICE DIAMETER	BOTTOM FACILITY EL.
R-1	30.50	27.00	3"	27.50

8 C9.10 SUBMERGED GRAVEL WETLAND OUTLET STRUCTURE (R-1)
NOT TO SCALE

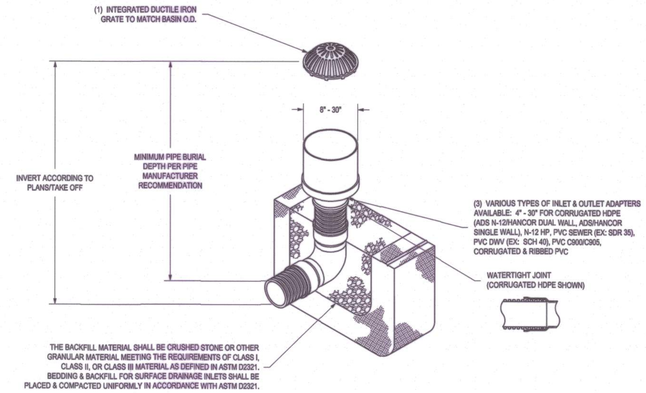


4 C9.10 CLEANOUT (IMPERVIOUS AREAS)
NOT TO SCALE

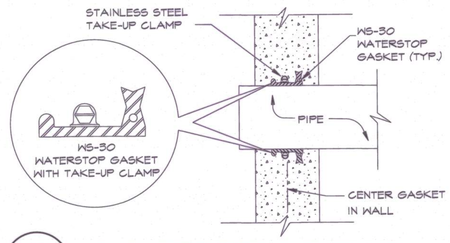


5 C9.10 CLEANOUT (PERVIOUS AREAS)
NOT TO SCALE

NYLOPLAST INLINE DRAIN WITH DOME GRATE



9 C9.10 12" NYLOPLAST IN-LINE DRAIN W/ DOMED GRATE
NOT TO SCALE



10 C9.10 WS-30 WATERSTOP GASKET DETAIL
NOT TO SCALE

OWNER/ DEVELOPER
BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER
MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 11 OF 15

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

SEAL
STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29

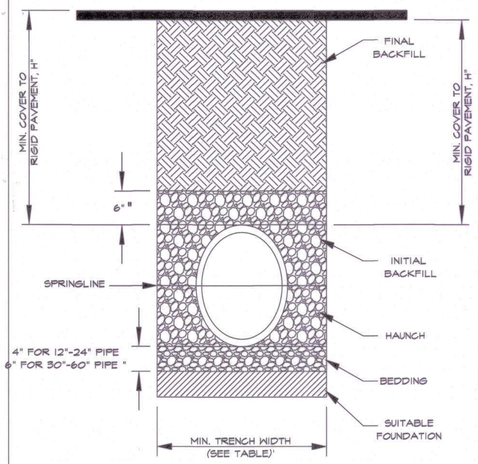
DRAWING SCALE: PLAN SCALE: N/A; PROFILE SCALE:

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
ESSEX POLICE PRECINCT - 11
STORMWATER MANAGEMENT DETAILS
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
MCS C9.10	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 56 OF 295
	DRAWING NUMBER
	2025-0947
	FILE NO.: 8



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	38"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

MINIMUM RECOMMENDED COVER ("H") BASED ON VEHICLE LOADING CONDITIONS**

PIPE DIAM.	SURFACE LIVE LOADING CONDITION H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
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 VEHICLE LOADING CONDITIONS

PIPE DIA.	CLASS I COMPACTED	CLASS I DUMPED	CLASS II 95%	CLASS II 90%	CLASS III 95%
4"	37	18	25	18	18
6"	44	20	29	20	21
8"	52	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 ASTM D2321	ASTM D2321	MIN. COMPACTION REQUIRED (STD. PROCTOR DENSITY (%)
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 ONE -HALF THE PIPE DIAMETER. LAYER HEIGHTS MAY ALSO NEED TO BE REDUCED TO ACCOMMODATE COMPACTION METHOD.

1 C9.11 **HDPE PIPE TRENCH INSTALLATION DETAIL**

OPERATION AND MAINTENANCE SCHEDULES ESD PRACTICES

SUBMERGED GRAVEL WETLANDS (M-2)
1. DURING THE FIRST YEAR OF OPERATION, INSPECTIONS SHOULD BE CONDUCTED AFTER EVERY MAJOR STORM AND POORLY ESTABLISHED AREAS VEGETATED.
2. SEDIMENT ACCUMULATION IN THE PRETREATMENT AREAS SHOULD BE REMOVED AS NECESSARY.
3. SIGNS OF UNEVEN FLOW WITHIN THE WETLAND MAY MEAN THAT THE GRAVEL OR UNDERDRAIN IS CLOGGED. THE GRAVEL AND/OR UNDERDRAIN SHALL BE REMOVED, CLEANED, AND REPLACED, AS NEEDED.
4. A DENSE STAND OF WETLAND VEGETATION SHOULD BE MAINTAINED THROUGHOUT THE LIFE OF THE FACILITY AND VEGETATION REPLACED AS NEEDED.
5. ALL STRUCTURES WITHIN THE FACILITY AS WELL AS FLOW SPLITTERS SHOULD BE INSPECTED AFTER EVERY SIGNIFICANT RAINFALL EVENT TO MAKE SURE THEY ARE FREE FROM DEBRIS AND FUNCTIONAL.
6. EROSION AT INFLOW POINTS SHOULD BE REPAIRED.

MICRO-BIORETENTION PRACTICE (M-6)
1. THE TOP FEW INCHES OF FILTER MEDIA (MULCH LAYER) SHOULD BE INSPECTED EACH SPRING. ONCE EVERY 2 TO 3 YEARS, REMOVE PREVIOUS MULCH LAYER AND APPLY NEW 2 TO 3 INCH MULCH LAYER.
2. SILTS AND SEDIMENT SHOULD BE REMOVED FROM THE SURFACE OF THE FILTER BED WHEN ACCUMULATION EXCEEDS ONE (1) INCH. CHECK FOR DEWATERING WITHIN 48 HOURS.
3. PLANT INSPECTION SHALL BE SCHEDULED TWICE A YEAR IN SPRING AND FALL. THIS INSPECTION WILL INCLUDE REMOVAL AND REPLACEMENT OF DEAD, DISEASED AND EXCESSIVE VEGETATION CONSIDERED BEYOND TREATMENT. TREE STAKES AND WIRES SHALL BE REMOVED AFTER TREES HAVE BECOME ESTABLISHED. IF SPECIFIC PLANTS ARE NOT SURVIVING, MORE APPROPRIATE SPECIES SHOULD BE USED. WATERING MAY BE REQUIRED DURING PROLONGED DRY PERIODS.
4. SOIL EROSION AND FLOW BLOCKAGES TO BE ADDRESSED ON AN AS NEEDED BASIS WITH A MINIMUM OF ONCE PER MONTH AND AFTER HEAVY STORMS INSPECTIONS. INSPECT CLEAN OUTS AND OBSERVATION WELLS ALONG WITH OVERFLOW INLETS AND OUTFALL/EXIT PIPES AT LEAST ONCE A MONTH AND AFTER HEAVY STORMS.

SPECIFICATIONS FOR MICRO-BIORETENTION, RAIN GARDENS, LANDSCAPE INFILTRATION & INFILTRATION BERMS

1. MATERIAL SPECIFICATIONS
THE ALLOWABLE MATERIALS TO BE USED IN THESE PRACTICES ARE DETAILED IN TABLE B.4.1.

2. PLANTING SOIL
THE SOIL SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES SHALL BE MIXED OR DUMPED WITHIN THE MICRO-BIORETENTION PRACTICE THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS. THE PLANTING SOIL SHALL BE FREE OF BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, OR OTHER NOXIOUS WEEDS AS SPECIFIED UNDER COMAR 15.08.01.05.

THE PLANTING SOIL SHALL BE TESTED AND SHALL MEET THE CRITERIA SHOWN ON SHEET C9.11.

THERE SHALL BE AT LEAST ONE SOIL TEST PER PROJECT. EACH TEST SHALL CONSIST OF BOTH THE STANDARD SOIL TEST FOR PH, AND ADDITIONAL TESTS OF ORGANIC MATTER, AND SOLUBLE SALTS. A TEXTURAL ANALYSIS IS REQUIRED FROM THE SITE STOCKPILED TOPSOIL. IF TOPSOIL IS IMPORTED, THEN A TEXTURE ANALYSIS SHALL BE PERFORMED FOR EACH LOCATION WHERE THE TOPSOIL WAS EXCAVATED.

3. COMPACTION

IT IS VERY IMPORTANT TO MINIMIZE COMPACTION OF BOTH THE BASE OF MICRO-BIO RETENTION PRACTICES AND THE REQUIRED BACKFILL. WHEN POSSIBLE, USE EXCAVATION HOES TO REMOVE ORIGINAL SOIL. IF PRACTICES ARE EXCAVATED USING A LOADER, THE CONTRACTOR SHOULD USE WIDE TRACK OR MARSH TRACK EQUIPMENT, OR LIGHT EQUIPMENT WITH TURF TYPE TIRES. USE OF EQUIPMENT WITH NARROW TRACKS OR NARROW TIRES, RUBBER TIRES WITH LARGE LUGS, OR HIGH -PRESSURE TIRES WILL CAUSE EXCESSIVE COMPACTION RESULTING IN REDUCED INFILTRATION RATES AND IS NOT ACCEPTABLE. COMPACTION WILL SIGNIFICANTLY CONTRIBUTE TO DESIGN FAILURE.

COMPACTION CAN BE ALLEVIATED AT THE BASE OF THE MICRO-BIORETENTION FACILITY BY USING A PRIMARY TILLING OPERATION SUCH AS A CHISEL PLOW, RIPPER, OR SUBSOILER. THESE TILLING OPERATIONS ARE TO REFRACTURE THE SOIL PROFILE THROUGH THE 12 INCH COMPACTION ZONE. SUBSTITUTE METHODS MUST BE APPROVED BY THE ENGINEER. ROTOTILLERS TYPICALLY DO NOT TILL DEEP ENOUGH TO REDUCE THE EFFECTS OF COMPACTION FROM HEAVY EQUIPMENT.

ROTOTILL 2 TO 3 INCHES OF SAND INTO THE BASE OF THE MICRO-BIORETENTION FACILITY BEFORE BACKFILLING THE OPTIONAL SAND LAYER. PUMP ANY PONDED WATER BEFORE PREPARING (ROTOTILLING) BASE.

WHEN BACKFILLING THE TOPSOIL OVER THE SAND LAYER, FIRST PLACE 3 TO 4 INCHES OF TOPSOIL OVER THE SAND, THEN ROTOTILL THE SAND/TOPSOIL TO CREATE A GRADATION ZONE. BACKFILL THE REMAINDER OF THE TOPSOIL TO FINAL GRADE.

WHEN BACKFILLING THE MICRO-BIO RETENTION FACILITY, PLACE SOIL IN LIFTS 12A TO 18A. DO NOT USE HEAVY EQUIPMENT WITHIN THE MICRO-BIORETENTION BASIN. HEAVY EQUIPMENT CAN BE USED AROUND THE PERIMETER OF THE BASIN TO SUPPLY SOILS AND SAND. GRADE MICRO-BIORETENTION MATERIALS WITH LIGHT EQUIPMENT SUCH AS A COMPACT LOADER OR A DOZER/LOADER WITH MARSH TRACKS.

4. PLANT MATERIAL
RECOMMENDED PLANT MATERIAL FOR MICRO-BIORETENTION PRACTICES CAN BE FOUND IN APPENDIX A, SECTION A.2.3.

5. PLANT INSTALLATION
COMPOST IS A BETTER ORGANIC MATERIAL SOURCE, IS LESS LIKELY TO FLOAT, AND SHOULD BE PLACED IN THE INVERT AND OTHER LOW AREAS. MULCH SHOULD BE PLACED IN SURROUNDING TO A UNIFORM THICKNESS OF 2" TO 3". SHREDDED OR CHIPPED HARDWOOD MULCH IS THE ONLY ACCEPTED MULCH. PINE MULCH AND WOOD CHIPS WILL FLOAT AND MOVE TO THE PERIMETER OF THE MICRO-BIO RETENTION AREA DURING A STORM EVENT AND ARE NOT ACCEPTABLE. SHREDDED MULCH MUST BE WELL AGED (6 TO 12 MONTHS) FOR ACCEPTANCE.

ROOTSTOCK OF THE PLANT MATERIAL SHALL BE KEPT MOIST DURING TRANSPORT AND ON-SITE STORAGE. THE PLANT ROOT BALL SHOULD BE PLANTED SO 1/8TH OF THE BALL IS ABOVE FINAL GRADE SURFACE. THE DIAMETER OF THE PLANTING PIT SHALL BE AT LEAST SIX INCHES LARGER THAN THE DIAMETER OF THE PLANTING BALL. SET AND MAINTAIN THE PLANT STRAIGHT DURING THE ENTIRE PLANTING PROCESS. THOROUGHLY WATER GROUND BED COVER AFTER INSTALLATION.

TREES SHALL BE BRACED USING 2" BY 2" STAKES ONLY AS NECESSARY AND FOR THE FIRST GROWING SEASON ONLY. STAKES ARE TO BE EQUALLY SPACED ON THE OUTSIDE OF THE TREE BALL. STAKES SHALL BE REMOVED BY THE CONTRACTOR AFTER THE FIRST GROWING SEASON.

GRASSES AND LEGUME SEED SHOULD BE DRILLED INTO THE SOIL TO A DEPTH OF AT LEAST ONE INCH. GRASS AND LEGUME PLUGS SHALL BE PLANTED FOLLOWING THE NON-GRASS GROUND COVER PLANTING SPECIFICATIONS.

THE TOPSOIL SPECIFICATIONS PROVIDE ENOUGH ORGANIC MATERIAL TO ADEQUATELY SUPPLY NUTRIENTS FROM NATURAL CYCLING. THE PRIMARY FUNCTION OF THE MICRO-BIO RETENTION STRUCTURE IS TO IMPROVE WATER QUALITY. ADDING FERTILIZERS DEFEATS, OR AT A MINIMUM, IMPEDES THIS GOAL. ONLY ADD FERTILIZER IF WOOD CHIPS OR MULCH ARE USED TO AMEND THE SOIL. ROTOTILL UREA FERTILIZER AT A RATE OF 2 POUNDS PER 1000 SQUARE FEET.

6. UNDERDRAINS

UNDERDRAINS SHOULD MEET THE FOLLOWING CRITERIA:

- PIPE - SHOULD BE 4" TO 6" DIAMETER, SLOTTED OR PERFORATED RIGID PLASTIC PIPE (ASTM F 758, TYPE PS 28, OR AASHTO-M-278) IN A GRAVEL LAYER. THE PREFERRED MATERIAL IS SLOTTED, 4" RIGID PIPE (E.G., PVC OR HDPE).
- PERFORATIONS - IF PERFORATED PIPE IS USED, PERFORATIONS SHOULD BE 3/8" DIAMETER LOCATED 6" ON CENTER WITH A MINIMUM OF FOUR HOLES PER ROW. PIPE SHALL BE WRAPPED WITH A 1/4" (NO. 4 OR 4X4) GALVANIZED HARDWARE CLOTH.
- GRAVEL - THE GRAVEL LAYER (NO. 57 STONE PREFERRED) SHALL BE AT LEAST 3" THICK ABOVE AND BELOW THE UNDERDRAIN.
- THE MAIN COLLECTOR PIPE SHALL BE AT A MINIMUM 0.5% SLOPE.
- A RIGID, NON-PERFORATED OBSERVATION WELL MUST BE PROVIDED (ONE PER 1,000 SQUARE FEET) TO PROVIDE A CLEAN-OUT PORT AND MONITOR PERFORMANCE OF THE FILTER.
- A 4" LAYER OF PEA GRAVEL (1/8" TO 3/8" STONE) SHALL BE LOCATED BETWEEN THE FILTER MEDIA AND UNDERDRAIN TO PREVENT MIGRATION OF FINES INTO THE UNDERDRAIN. THIS LAYER MAY BE CONSIDERED PART OF THE FILTER BED WHEN BED THICKNESS EXCEEDS 24".

THE MAIN COLLECTOR PIPE FOR UNDERDRAIN SYSTEMS SHALL BE CONSTRUCTED AT A MINIMUM SLOPE OF 0.5%.
OBSERVATION WELLS AND/OR CLEAN-OUT PIPES MUST BE PROVIDED (ONE MINIMUM PER EVERY 1000 SQUARE FEET OF SURFACE AREA).

7. MISCELLANEOUS
THESE PRACTICES MAY NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED

TABLE B.4.1 MATERIALS SPECIFICATIONS FOR MICRO-BIORETENTION, RAIN GARDENS & LANDSCAPE INFILTRATION

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE APPENDIX A, TABLE A.4 IN MD 2000 SWM REGS	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2' TO 4' DEEP)	SEE SHEET C909 FOR SPECIFICATIONS	N/A	SEE SHEET C909 FOR SPECIFICATIONS
ORGANIC CONTENT	MIN. 10% 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	WASHED NO. 8 OR NO. 9 (1/8" TO 3/8")	
CURTAIN DRAIN	ORNAMENTAL STONE; WASHED COBBLES	STONE: 2" TO 5"	
GEOTEXTILE		N/A	PE TYPE I NONWOVEN
GRAVEL (UNDERDRAINS & INFILTRATION BERMS	AASHTO M-43	WASHED 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
POURED IN PLACE CONCRETE (IF REQUIRED)	MSHA MIX NO. 3; F'c = 3500 PSI @ 28 DAYS, NORMAL WEIGHT, AIR-ENTRAINED; REINFORCING TO MEET ASTM-615-60	N/A	ON-SITE TESTING OF POURED-IN-PLACE CONCRETE REQUIRED; 28 DAY STRENGTH AND SLUMP TEST; ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) NOT USING PREVIOUSLY APPROVED STATE OR LOCAL STANDARDS REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF MD - DESIGN TO INCLUDE MEETING ACI CODE 350.R/84; VERTICAL LOADING (H-10 OR H-20); ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); AND ANALYSIS OF POTENTIAL CRACKING
SAND	AASHTO-M-6 OR ASTM-C-33	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE NOT ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.

MATERIALS SPECIFICATIONS FOR SUBMERGED GRAVEL WETLANDS

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

OWNER/ DEVELOPER
BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE.
C/O MATHEW LEEBEL
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER
MARIANNE K CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

SWM SHEET 12 OF 15

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

SEAL: STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER
DATE: 4.17.25

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. 25058 EXPIRATION DATE 11/17/2026
ENGINEER: MARIANNE K. CRAMPTON
AS-BUILT PER RECORD PRINT
BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

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: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: N/A; PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11

STORMWATER MANAGEMENT NOTES & DETAILS

RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
C9.11	25022 PPO
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 57 OF 295
	DRAWING NUMBER
	2025-0948
	FILE NO.: 8

FINDLING, INC.

BORING LOG

Boring 15 of __
Sheet 1 of __

Contract No.: 22-1034-03 Project Description: Essex Police Precinct #11
Boring No. SWM-1 Station: , ' Ground Surface Elevation (ft.): 31.9
Easting: 1463346.98 Northing: 601235.7 Logged by: D. Tajhya
Date Started: 5/30/24 Date Completed: 5/30/24
Inspector: Driller: D. Pryor

WATER TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
▼		END	5/30/24
▽ 6.8	25.1	24 hrs.	5/31/24
▼ 14.0	17.9	on the rod	5/30/24

CAVE-IN TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
BB 7.4	24.5	END	5/30/24
BB 7.0	24.9	24 hrs.	5/31/24

Rig Type	ATV-45
Rig No.	R-3
Drive Hammer Weight	140
Auger Size	3-1/4
Size of Core	
Size of Bit OD	
Hammer Energy Ratio	
Auger Depth	16

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SPT SPOON/ROCK CORE SAMPLE NO.	BLOWS/ ROD	SAMPLE DEPTH	REC. SPT(in) or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.4	31.63		Topsoil = 5"								
1.5	30.39		Multi-brown, moist, loose, Silty SAND (SM); trace Clay (Possible FILL)	1	2-2-6-3	0.0 - 2.0	16				
				2	4-6-8-15	2.0 - 4.0	19				
			Grey, brown, moist, stiff to very stiff SILT (ML); some Sand; trace Gravel (Possible FILL) ▽	3	12-15-10-11	4.0 - 6.0	22				
6.0	25.89		Grey, brown, damp to moist, stiff to medium stiff CLAY (CL); some Sand	4	12-15-14-14	6.0 - 8.0	20	18.3			
				5	3-4-5-6	8.0 - 10.0	23	16.7	26	10	
			Grey, damp to wet, stiff SILT (ML); some Sand; with seam of Silty Sand	6	6-6-10-10	10.0 - 12.0	24				
			▽	7	7-8-9-9	12.0 - 14.0	24				
				8	8-8-9-8	14.0 - 16.0	24				
16.0	15.89		Bottom of Boring @ 16 '								

Legend: NMC - Natural Moisture Content; RQD - Rock Quality Designation; PI - Plasticity Index; LL - Liquid Limit; REC - Recovery; Elev - Elevation; MATL - Material Graphics; Geotech - Geotechnical; SPT - Standard Penetration Test; OD - Outside Diameter

Boring and Sample Conforms to ASTM D6067

25-1034-03 MMD ESSEX POLICE PRECINCT 11.GPJ 7/23/24

FINDLING, INC.

BORING LOG

Boring 16 of __
Sheet 1 of __

Contract No.: 22-1034-03 Project Description: Essex Police Precinct #11
Boring No. SWM-2 Station: , ' Ground Surface Elevation (ft.): 33.4
Easting: 1463057.35 Northing: 601193.79 Logged by: D. Tajhya
Date Started: 5/30/24 Date Completed: 5/30/24
Inspector: Driller: D. Pryor

WATER TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
▼ 6.4	24.0	END	5/30/24
▽ 7.7	25.7	24 hrs.	5/31/24
▼ 7.7	25.7	on the rod	5/30/24

CAVE-IN TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
BB 10.2	23.2	END	5/30/24
BB 8.6	24.8	24 hrs.	5/31/24

Rig Type	ATV-45
Rig No.	R-3
Drive Hammer Weight	140
Auger Size	3-1/4
Size of Core	
Size of Bit OD	
Hammer Energy Ratio	
Auger Depth	16

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SPT SPOON/ROCK CORE SAMPLE NO.	BLOWS/ ROD	SAMPLE DEPTH	REC. SPT(in) or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.4	32.98		Topsoil = 5"								
			Brown, black, moist, medium stiff CLAY (CL); little Sand; trace Gravel, Roots (Possible FILL)	1	1-4-4-4	0.0 - 2.0	13				
4.0	29.38			2	2-4-4-4	2.0 - 4.0	15	14.5	23	9	
			Brown, grey, damp, medium dense, SAND (SP)	3	4-5-4-3	4.0 - 6.0	19				
8.0	25.38		▽	4	7-12-13-12	6.0 - 8.0	23	17.2			
			Multi-brown, damp, medium dense to loose ▽ medium dense SAND (SP); with seam of Silty SAND	5	6-8-8-7	8.0 - 10.0	13				
				6	4-3-3-7	10.0 - 12.0	19				
14.0	19.38			7	7-6-6-4	12.0 - 14.0	24				
			Brown, moist, stiff SILT (ML); trace Sand	8	3-7-6-8	14.0 - 16.0	21				
16.0	17.38		Bottom of Boring @ 16 '								

Legend: NMC - Natural Moisture Content; RQD - Rock Quality Designation; PI - Plasticity Index; LL - Liquid Limit; REC - Recovery; Elev - Elevation; MATL - Material Graphics; Geotech - Geotechnical; SPT - Standard Penetration Test; OD - Outside Diameter

Boring and Sample Conforms to ASTM D6067

25-1034-03 MMD ESSEX POLICE PRECINCT 11.GPJ 7/23/24

FINDLING, INC.

BORING LOG

Boring 17 of __
Sheet 1 of __

Contract No.: 22-1034-03 Project Description: Essex Police Precinct #11
Boring No. SWM-3 Station: , ' Ground Surface Elevation (ft.): 33.6
Easting: 1463137 Northing: 601228.63 Logged by: D. Tajhya
Date Started: 5/30/24 Date Completed: 5/30/24
Inspector: Driller: D. Pryor

WATER TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
▼		END	5/30/24
▽ 8.0	25.6	24 hrs.	5/31/24
▼		on the rod	5/30/24

CAVE-IN TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
BB 8.2	25.4	END	5/30/24
BB 8.4	25.2	24 hrs.	5/31/24

Rig Type	ATV-45
Rig No.	R-3
Drive Hammer Weight	140
Auger Size	3-1/4
Size of Core	
Size of Bit OD	
Hammer Energy Ratio	
Auger Depth	15

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SPT SPOON/ROCK CORE SAMPLE NO.	BLOWS/ ROD	SAMPLE DEPTH	REC. SPT(in) or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.3	33.32		HMA = 4"								
1.1	32.52		Base = 10"								
			Multi-brown, grey, medium dense, Silty SAND (SM); trace Gravel, Brick Fragments, Wood Fragments (FILL)	1	3-6-5-8	1.0 - 3.0	17				
5.0	28.62			2	7-5-4-4	3.0 - 5.0	18				
			Grey, moist, loose, Clayey Silty SAND (SC-SM)	3	2-2-3-10	5.0 - 7.0	24				
7.0	26.62		Grey, brown, moist, stiff ▽ CLAY (CL); trace ▽ cemented Silty SAND	4	15-13-12-13	7.0 - 9.0	24	10.1	28	14	
9.0	24.62		Brown, moist, medium dense SAND (SP); trace Silt	5	9-12-14-13	9.0 - 11.0	23				
11.0	22.62		Grey, moist, medium dense, Silty SAND (SM)	6	10-10-12-11	11.0 - 13.0	21				
13.0	20.62		Brown, grey, white, moist, stiff SILT (ML); trace Sand	7	6-8-12-14	13.0 - 15.0	20				
15.0	18.62		Bottom of Boring @ 15 '								

Legend: NMC - Natural Moisture Content; RQD - Rock Quality Designation; PI - Plasticity Index; LL - Liquid Limit; REC - Recovery; Elev - Elevation; MATL - Material Graphics; Geotech - Geotechnical; SPT - Standard Penetration Test; OD - Outside Diameter

Boring and Sample Conforms to ASTM D6067

25-1034-03 MMD ESSEX POLICE PRECINCT 11.GPJ 7/23/24

FINDLING, INC.

BORING LOG

Boring 18 of 18
Sheet 1 of 1

Contract No.: 22-1034-03 Project Description: Essex Police Precinct #11
Boring No. SWM-4 Station: , ' Ground Surface Elevation (ft.): 36.2
Easting: 1463093.45 Northing: 601417.96 Logged by: D. Tajhya
Date Started: 5/30/24 Date Completed: 5/30/24
Inspector: Driller: D. Pryor

WATER TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
▼		END	5/30/24
▽ 9.0	27.2	24 hrs.	5/31/24
▼ 17.0	19.2	on the rod	5/30/24

CAVE-IN TABLE			
Depth Below Surface		Time	
Depth (ft.)	Elev (ft.)	(hours)	Date
BB 9.3	26.9	END	5/30/24
BB 9.5	26.7	24 hrs.	5/31/24

Rig Type	ATV-45
Rig No.	R-3
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	18 ft.

DEPTH IN FEET	ELEV. IN FEET	MATL	MATERIAL DESCRIPTION	SPT SPOON/ROCK CORE SAMPLE NO.	BLOWS/ ROD	SAMPLE DEPTH	REC. SPT(in) or Core (%)	LAB. INDEX TESTS NMC (%)	LL (%)	PI (%)	REMARKS
0.8	35.36		Topsoil = 10"								
			Brown, moist, medium dense to loose, Silty SAND (SM)	1	2-5-7-5	0.0 - 2.0	18				
				2	3-3-3-4	2.0 - 4.0	18				
5.0	31.16		Dark grey, damp to moist, stiff SILT (ML); some Sand	3	3-3-8-10	4.0 - 6.0	24				
				4	8-8-10-11	6.0 - 8.0	24	13.9			
8.0	28.16		Grey, brown, medium dense, Silty SAND (SM) ▽ trace Clay	5	7-8-10-13	8.0 - 10.0	24				
				6	8-9-9-7	10.0 - 12.0	22	16.8	30	10	
				7	7-10-9-9	12.0 - 14.0	24				
				8	3-5-5-7	14.0 - 16.0	24				
			▽	9	5-6-5-7	16.0 - 18.0	24				
18.0	18.16		Bottom of Boring @ 18 '								

Legend: NMC - Natural Moisture Content; RQD - Rock Quality Designation; PI - Plasticity Index; LL - Liquid Limit; REC - Recovery; Elev - Elevation; MATL - Material Graphics; Geotech - Geotechnical; SPT - Standard Penetration Test; OD - Outside Diameter

Boring and Sample Conforms to ASTM D6067

25-1034-03 MMD ESSEX POLICE PRECINCT 11.GPJ 7/23/24

SEAL

STATE OF MARYLAND · MARIANNE K. CRAMPTON · No. 25058 · PROFESSIONAL ENGINEER

DATE: 7-17-25

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. 25058 EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: SM
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE

PLAN SCALE: N/A
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

ESSEX POLICE PRECINCT - 11

STORMWATER MANAGEMENT BORING LOGS AND OVERALL SEQUENCE OF CONSTRUCTION

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

OWNER/ DEVELOPER

BALT. CO. PROPERTY MANAGEMENT OFFICE OF BUDGET & FINANCE
C/O DAVID EARLING
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
410-887-2946

ENGINEER

MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
THE STAR BUILDING
1801 PORTER STREET
SUITE 401
BALTIMORE, MD 21230
PHONE: 410-887-2946

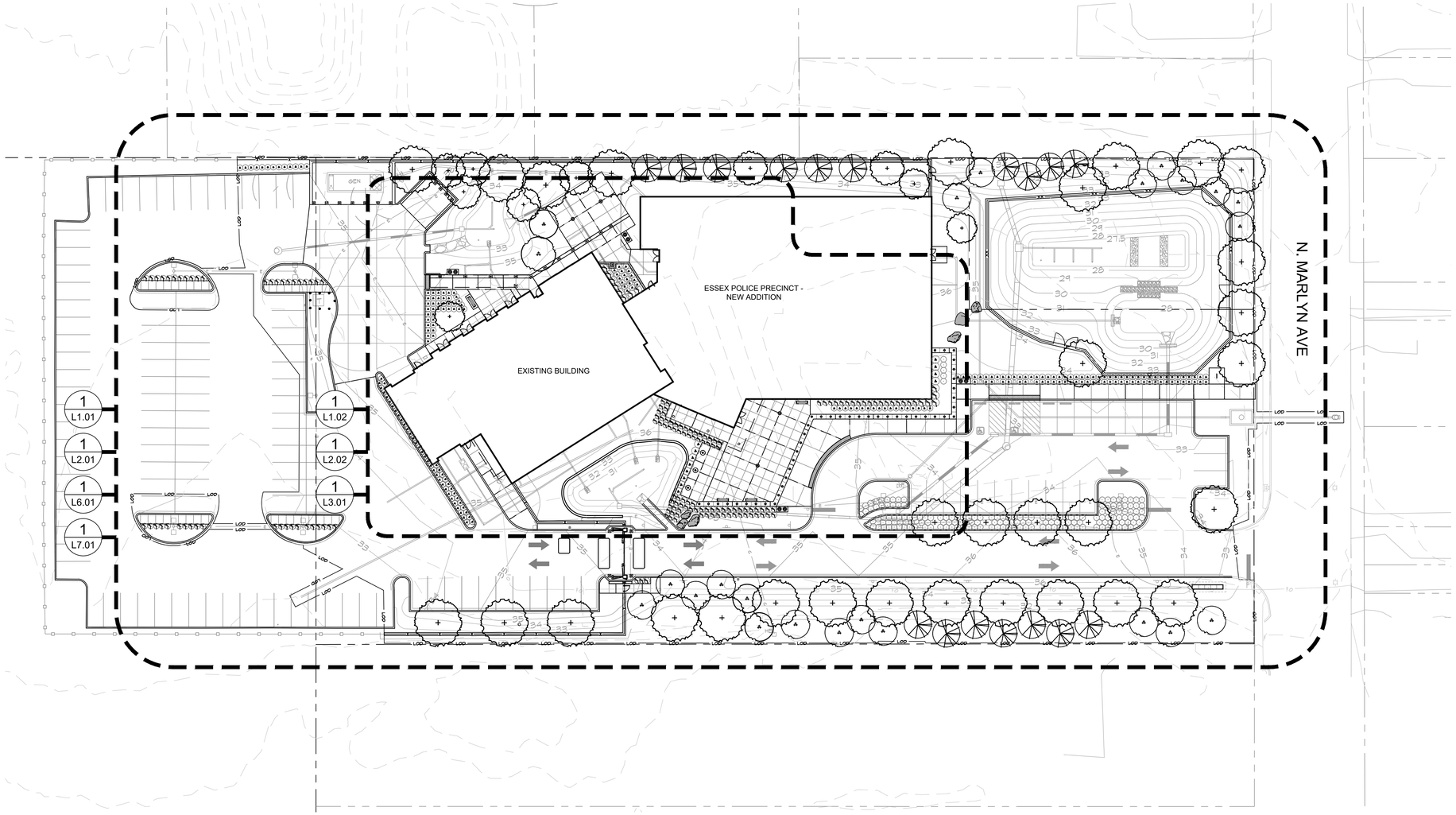
SWM SHEET 15 OF 15

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

SHEET DESIGNATION	CONTRACT NUMBER
C9.12	25022 PPO

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER	PROJ-10000636
SHEET 58 OF 295	
DRAWING NUMBER	2025-0949
FILE NO.: 8	REV. 10/10



1 OVERALL PLAN

1" =30'

0 15' 30' 60' N

LANDSCAPE SHEET INDEX

SHEET NUMBER	SHEET NAME	100% SET
L0.00	LANDSCAPE - COVER SHEET & SHEET INDEX	●
L1.01	LANDSCAPE - MATERIALS PLAN	●
L1.02	LANDSCAPE - MATERIALS PLAN ENLARGEMENT	●
L2.01	LANDSCAPE - LAYOUT PLAN	●
L2.02	LANDSCAPE - LAYOUT PLAN ENLARGEMENT	●
L4.01	LANDSCAPE - BOLLARD LAYOUT & ELEVATIONS	●
L5.01	LANDSCAPE - HARDSCAPE DETAILS	●
L5.02	LANDSCAPE - HARDSCAPE DETAILS	●
L5.03	LANDSCAPE - HARDSCAPE DETAILS	●
L5.10	LANDSCAPE - SITE FURNISHINGS	●
L6.01	LANDSCAPE - SOILS PLAN	●
L7.01	LANDSCAPE - PLANTING PLAN	●
L7.02	LANDSCAPE - PLANTING PLAN ENLARGEMENT	●
L7.03	LANDSCAPE - PLANTING PLAN ENLARGEMENT	●
L7.04	LANDSCAPE - PLANTING PLAN ENLARGEMENT	●
L7.10	LANDSCAPE - PLANTING DETAILS	●

SEAL

STATE OF MARYLAND · Mark E. Pelusi · 1152 · LANDSCAPE ARCHITECT

DATE : JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: MEP
DWN BY: BMR/MNQ
CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: AS SHOWN
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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - COVER SHEET & SHEET INDEX

RENOVATION & ADDITION

SUBDIVISION: ESSEX

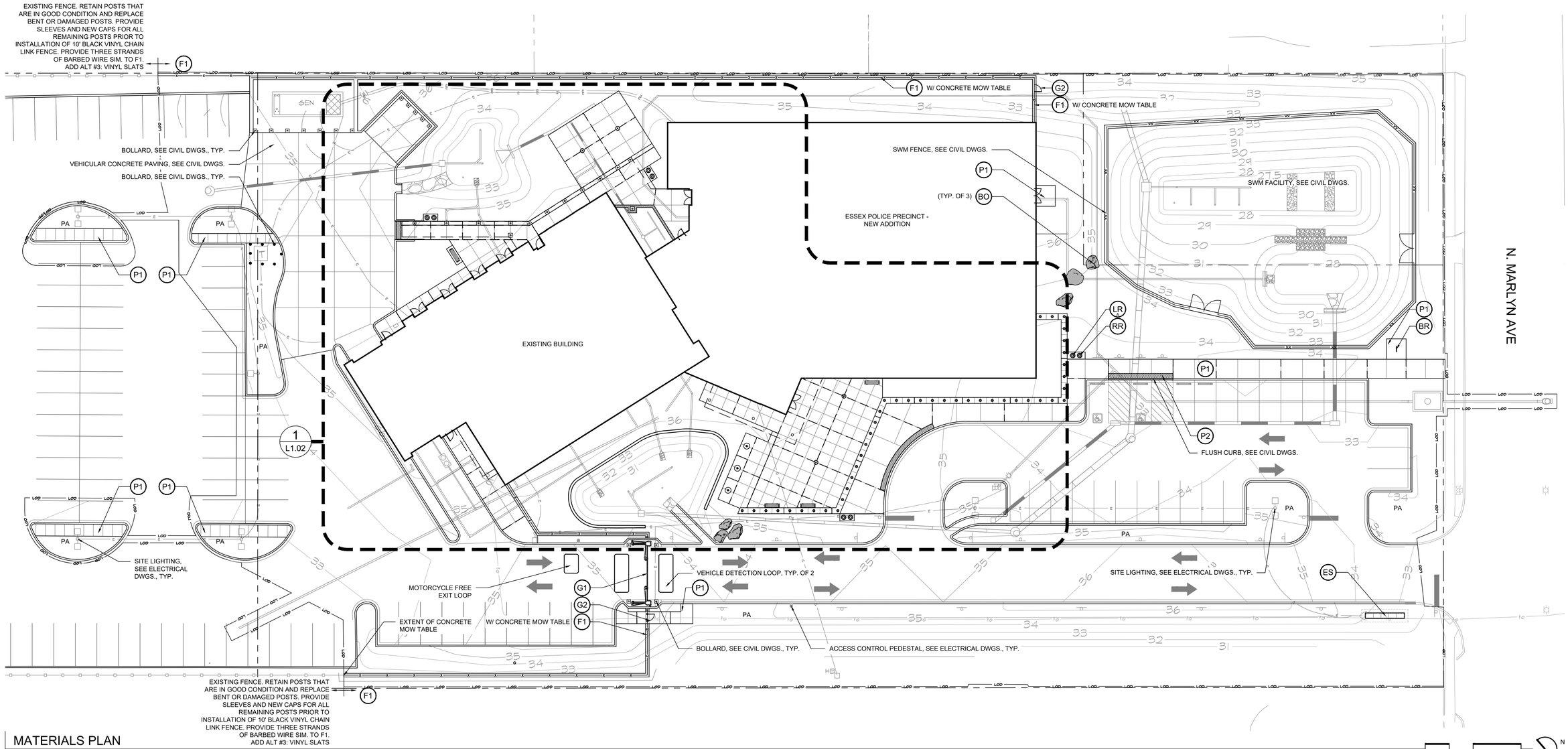
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
L0.00	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 59 OF 295
	DRAWING NUMBER
	2025 - 0950
	FILE NO.: 8 REV. 0

DWG. FILENAME:



1 MATERIALS PLAN

1" =20'

MATERIALS LEGEND

PAVING

P1	1 / LS.01	CIVIL	C.I.P. SCORED CONCRETE PAVING
P2	3 / LS.01	32 33 00	DETECTABLE WARNING SURFACE
P3	8 / LS.01	32 93 10	MEXICAN BEACH PEBBLE, MIN. 3 LAYERS DEEP

CURBS & WALLS

ML		PROPOSED FUTURE MEMORIAL LOCATION, N.I.C.
ES	ARCH	ENTRANCE SIGN, SEE ARCHITECTURE DWGS.

SITE AMENITIES

B	1 / LS.10	32 33 00	BENCH
BD	1 / LS.09	32 33 00	BOLLARD
BO	10 / LS.01	32 93 10	NATURAL LANDSCAPE BOULDER: 6' x 4' x 24" (+/- 2 TON)
BR	2 / LS.10	32 33 00	BIKE RACK
F1	1 / LS.03	32 31 19	PERIMETER FENCE STANDARD 10' HT. CHAIN LINK FENCE W/ BARBED WIRE & VINYL SLATS. POSTS @ MAX 10' O.C. 2-3/8" Ø INTERMEDIATE POSTS, 2-7/8" Ø TERMINAL POSTS
FP (F)		32 33 00	30' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 30'; OVERALL LENGTH: 33'; RECOMMENDED FLAG SIZE: 5' X 8'
FP (S)		32 33 00	25' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 25'; OVERALL LENGTH: 27'; RECOMMENDED FLAG SIZE: 4' X 6'
G1		32 31 33	AUTOMATED VEHICULAR BI-FOLD GATE STANDARD INFILL 8' HT., MIN. 23' CLR. GATE W/ ANTI-CLIMB TOP GUARD, MANUFACTURER TO PROVIDE SHOP DRAWINGS
G2	2 / LS.03	32 31 19	PEDESTRIAN GATE 10' BLACK VINYL CHAIN LINK GATE W/ VINYL SLATS, MANUFACTURER TO PROVIDE SHOP DRAWINGS
LR	3 / LS.10	32 33 00	A: LITTER RECEPTACLE B: LITTER RECEPTACLE W/ ASHTRAY LID
RR	3 / LS.10	32 33 00	RECYCLING RECEPTACLE

PA — PLANTING AREA
100 — LIMIT OF DISTURBANCE
LOW — LIMIT OF WORK
PROPERTY BOUNDARY
1/2" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)

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. ALL WALLS ON STRUCTURE - REFER TO STRUCTURAL DWGS.
7. REFER TO CIVIL DWGS. FOR BIORETENTION SOILS & DETAILS.

DWG. FILENAME:

SEAL: STATE OF MARYLAND — Mark Edward Pelusi — LANDSCAPE ARCHITECT — 1152

DATE: JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - MATERIALS PLAN

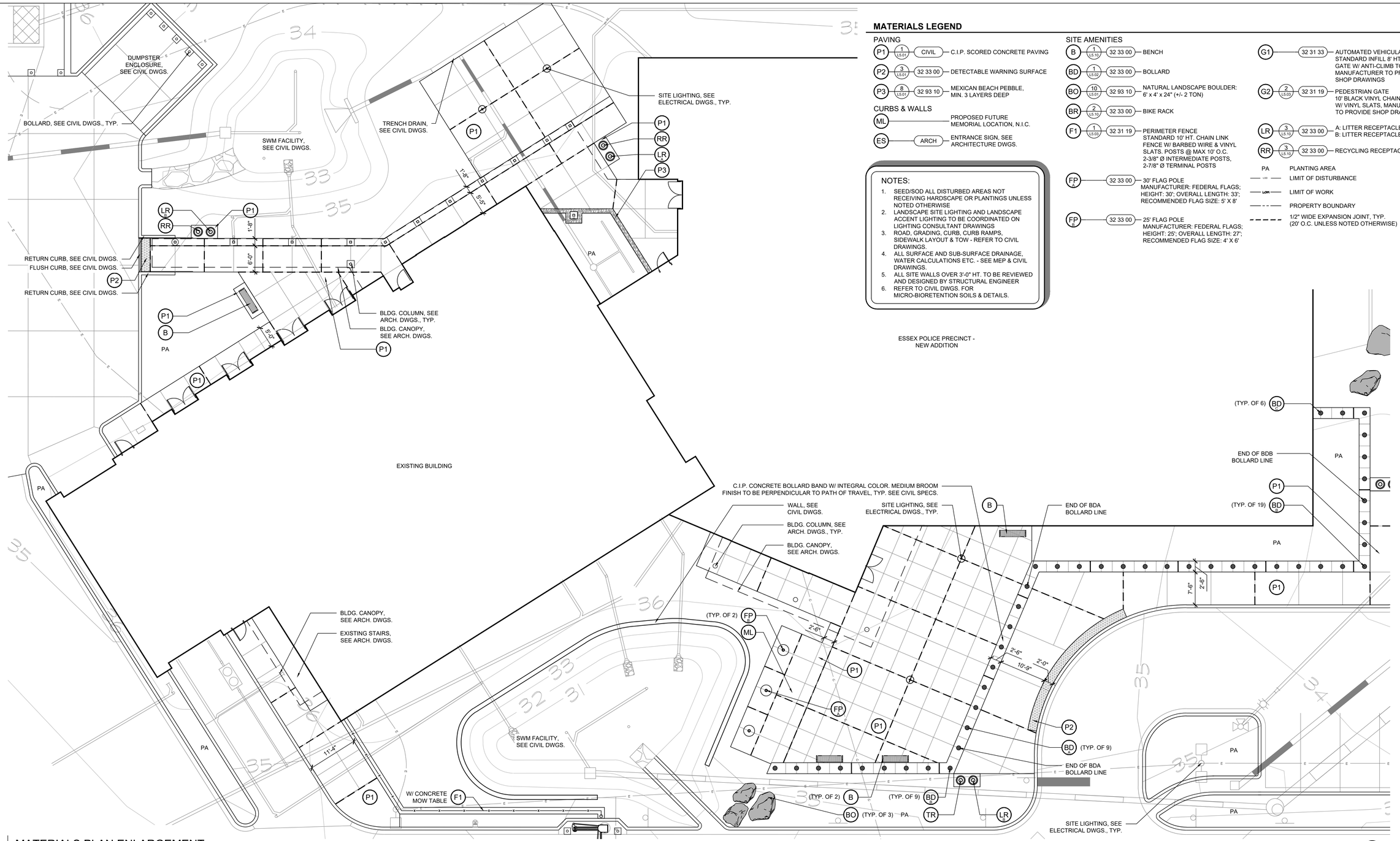
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L1.01	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 60 OF 295	
DRAWING NUMBER	
2025 - 0951	
FILE NO.: 8	



MATERIALS LEGEND

PAVING

P1	1 / L5.01	CIVIL	C.I.P. SCORED CONCRETE PAVING
P2	3 / L5.01	32 33 00	DETECTABLE WARNING SURFACE
P3	8 / L5.01	32 93 10	MEXICAN BEACH PEBBLE, MIN. 3 LAYERS DEEP

CURBS & WALLS

ML		PROPOSED FUTURE MEMORIAL LOCATION, N.I.C.
ES	ARCH	ENTRANCE SIGN, SEE ARCHITECTURE DWGS.

SITE AMENITIES

B	1 / L5.10	32 33 00	BENCH
BD	1 / L5.02	32 33 00	BOLLARD
BO	10 / L5.01	32 93 10	NATURAL LANDSCAPE BOULDER: 6' x 4' x 24" (+/- 2 TON)
BR	2 / L5.10	32 33 00	BIKE RACK
F1	1 / L5.05	32 31 19	PERIMETER FENCE STANDARD 10' HT. CHAIN LINK FENCE W/ BARBED WIRE & VINYL SLATS. POSTS @ MAX 10' O.C. 2-3/8" Ø INTERMEDIATE POSTS, 2-7/8" Ø TERMINAL POSTS
FP A		32 33 00	30' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 30'; OVERALL LENGTH: 33'; RECOMMENDED FLAG SIZE: 5' X 8'
FP B		32 33 00	25' FLAG POLE MANUFACTURER: FEDERAL FLAGS; HEIGHT: 25'; OVERALL LENGTH: 27'; RECOMMENDED FLAG SIZE: 4' X 6'
G1		32 31 33	AUTOMATED VEHICULAR BI-FOLD GATE STANDARD INFILL 6' HT., MIN. 23' CLR. GATE W/ ANTI-CLIMB TOP GUARD, MANUFACTURER TO PROVIDE SHOP DRAWINGS
G2	2 / L5.03	32 31 19	PEDESTRIAN GATE 10' BLACK VINYL CHAIN LINK GATE W/ VINYL SLATS, MANUFACTURER TO PROVIDE SHOP DRAWINGS
LR	3 / L5.10	32 33 00	A: LITTER RECEPTACLE B: LITTER RECEPTACLE W/ ASHTRAY LID
RR	3 / L5.10	32 33 00	RECYCLING RECEPTACLE

PA — PLANTING AREA
LOD — LIMIT OF DISTURBANCE
LOW — LIMIT OF WORK
PROPERTY BOUNDARY
1/2" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)

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 MICRO-BIORETENTION SOILS & DETAILS.

ESSEX POLICE PRECINCT - NEW ADDITION

1 MATERIALS PLAN ENLARGEMENT
1" =10'

0 5' 10' 20' N

DWG. FILENAME:

SEAL: STATE OF MARYLAND — MARK EDWARD PELUSI — 1152 — LANDSCAPE ARCHITECT

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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
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: MEP							
DWN BY: BMR/MNQ							
REVIEWED BY:							
CHKD BY: MEP							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LANDSCAPE - MATERIALS PLAN ENLARGEMENT

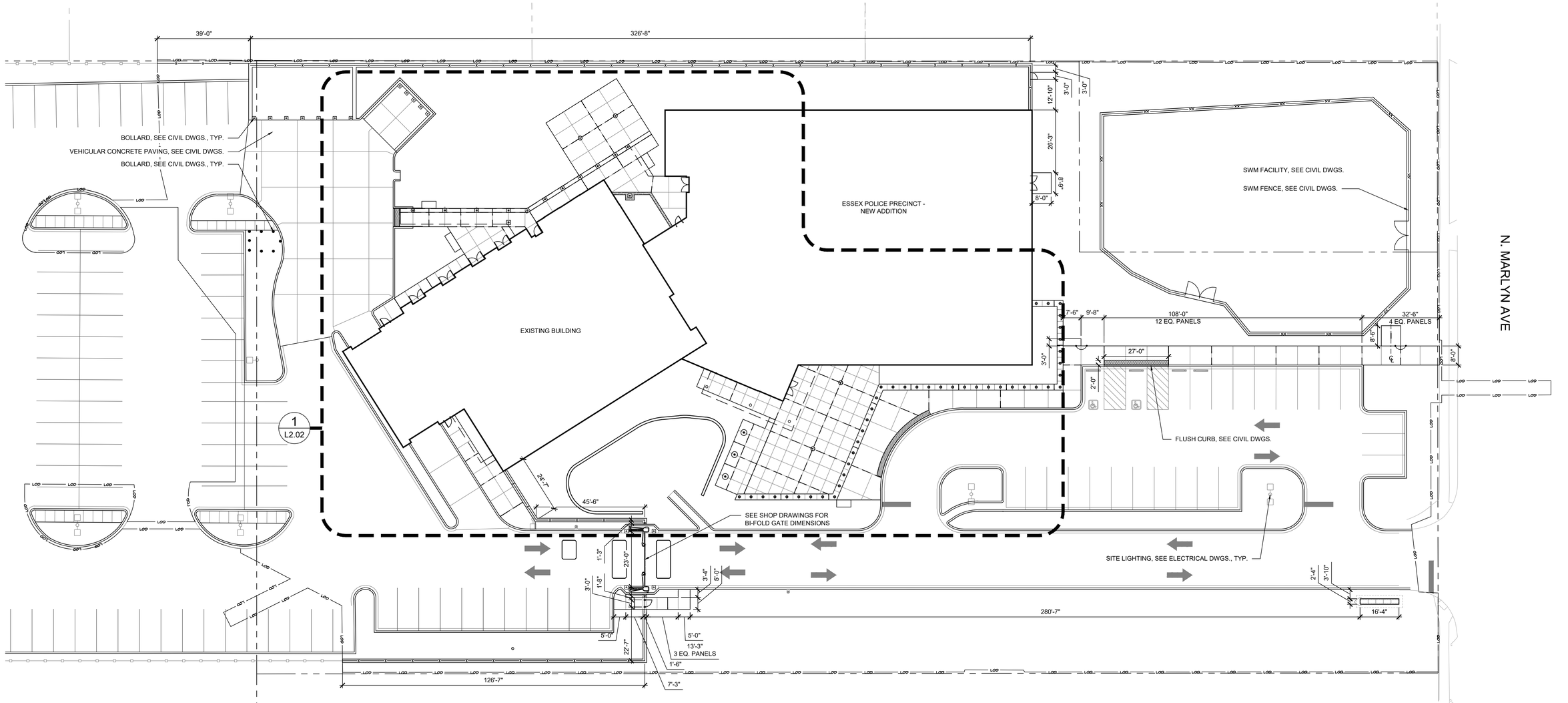
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L1.02	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 61 OF 295	
DRAWING NUMBER	
2025 - 0952	
FILE NO.: 8	



1 LAYOUT PLAN

1" =20'

0 10' 20' 40' N

LAYOUT LEGEND

ALIGN

1/2" WIDE EXPANSION JOINT, TYP.
(20' O.C. UNLESS NOTED OTHERWISE)

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.

DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK EDWARD PELUSI · 1152 · LANDSCAPE ARCHITECT

DATE: JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - LAYOUT PLAN

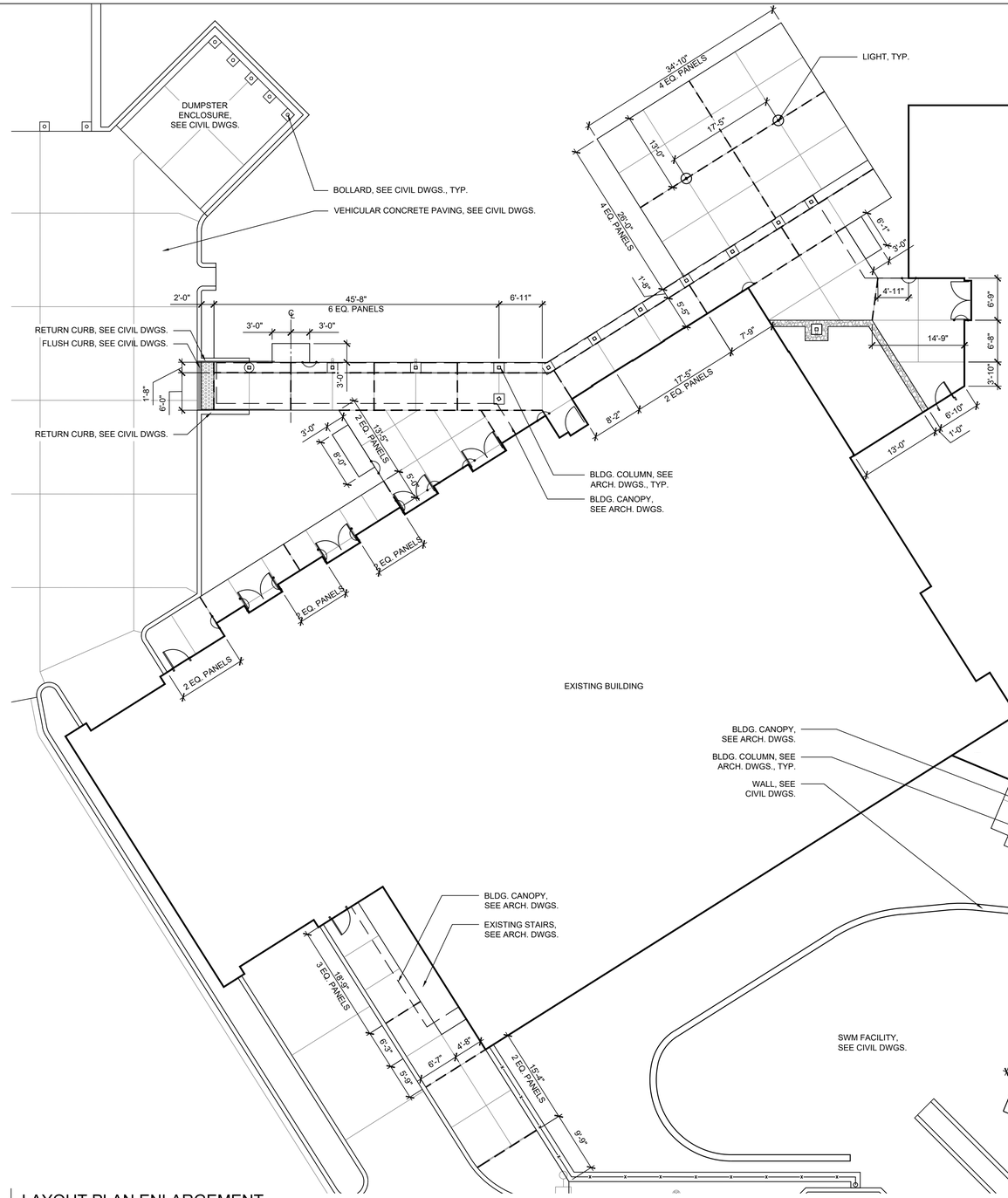
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L2.01	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 62 OF 295
	DRAWING NUMBER
	2025 - 0953
	FILE NO.: 8



LAYOUT LEGEND

- ALIGN
- CORNER/END PIECE
- 1/2" WIDE EXPANSION JOINT, TYP. (20' O.C. UNLESS NOTED OTHERWISE)

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.

ESSEX POLICE PRECINCT - NEW ADDITION

1 LAYOUT PLAN ENLARGEMENT

1" =10'

SEAL

STATE OF MARYLAND — Mark E. Pelusi — 1152 — LANDSCAPE ARCHITECT

DATE: JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LANDSCAPE - LAYOUT PLAN ENLARGEMENT

RENOVATION & ADDITION

SUBDIVISION: ESSEX

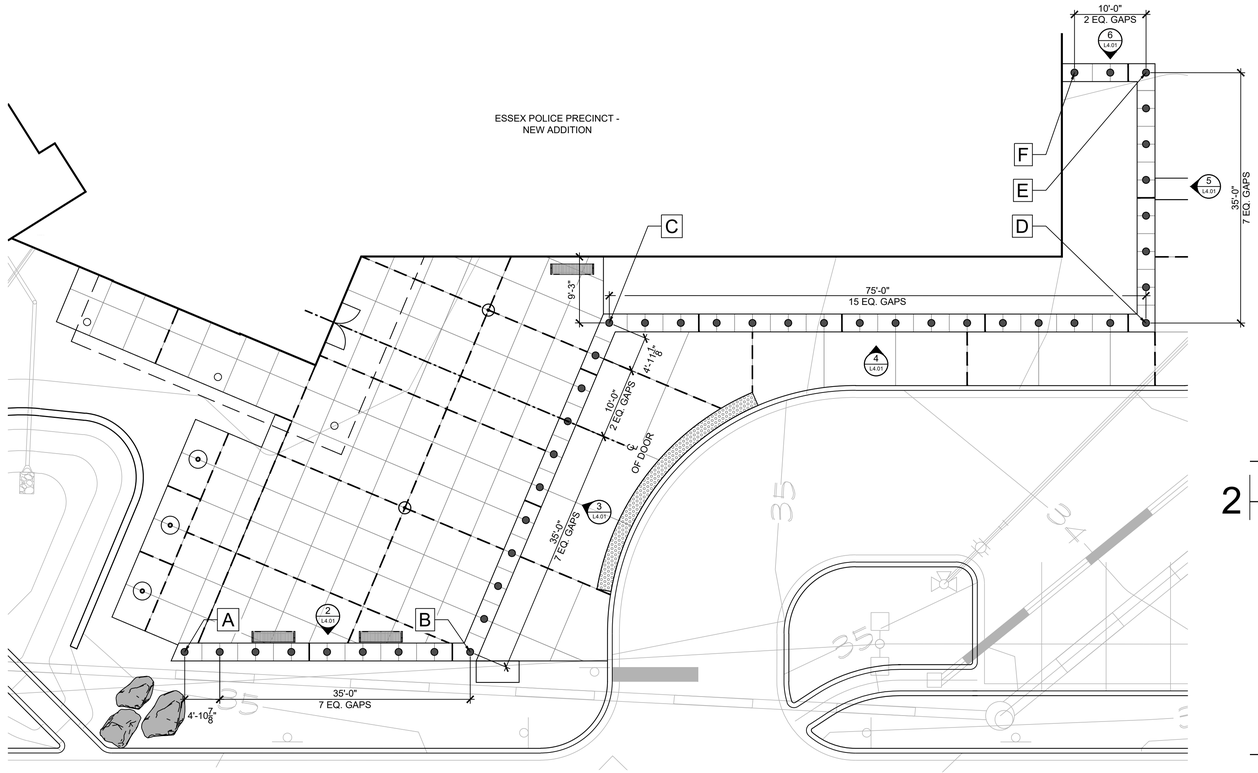
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
L2.02	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 63 OF 295	
DRAWING NUMBER	2025 - 0954
FILE NO.: 8	REV. 0.00

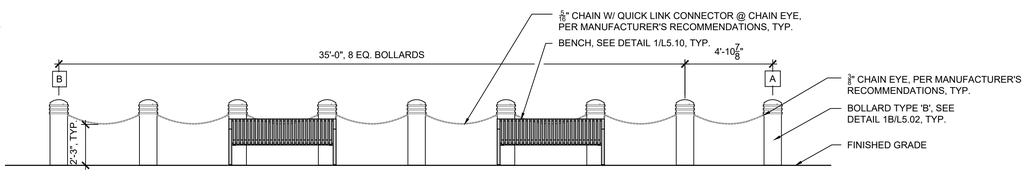
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1 BOLLARD LAYOUT KEY

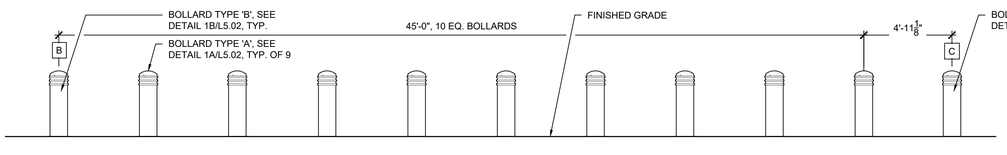
1" =10'

0 5' 10' 20' N



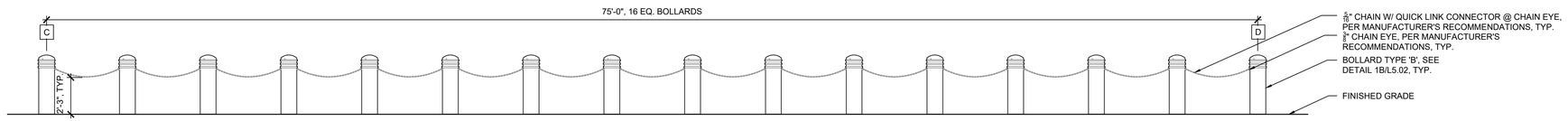
2 B-A BOLLARD LAYOUT

1/4"=1'-0"



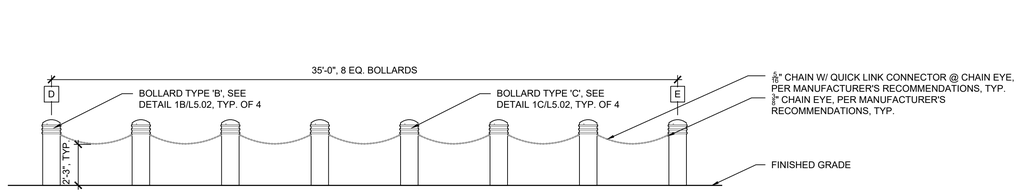
3 B-C BOLLARD LAYOUT

1/4"=1'-0"



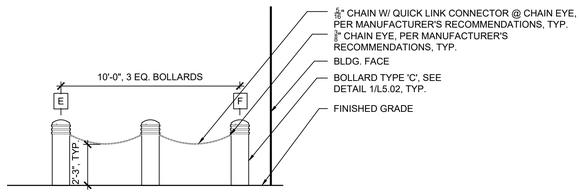
4 C-D BOLLARD LAYOUT

1/4"=1'-0"



5 D-E BOLLARD LAYOUT

1/4"=1'-0"



6 E-F BOLLARD LAYOUT

1/4"=1'-0"

DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK EDWARD PELUSI JR. · 1152 · LANDSCAPE ARCHITECT

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP | DRN BY: BMR/MNQ | CHKD BY: MEP

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

KEY SHEET	POSITION SHT
ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - BOLLARD LAYOUT & ELEVATIONS

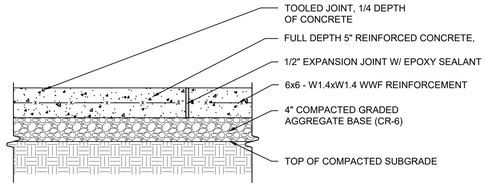
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

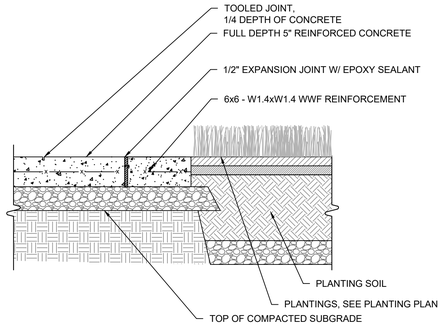
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L4.01	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 64 OF 295
	DRAWING NUMBER
	2025 - 0955
	FILE NO.: 8



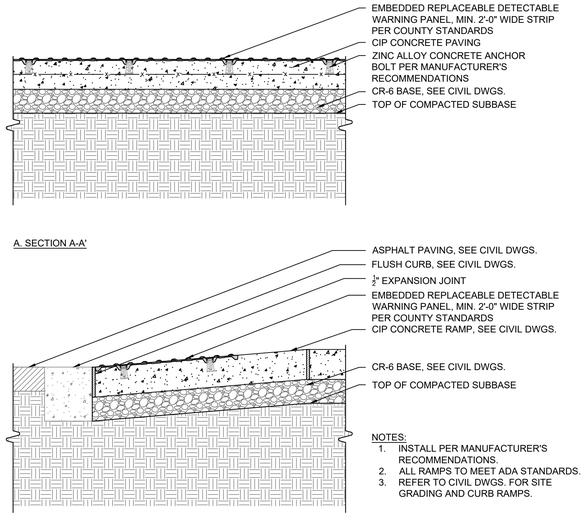
1 C.I.P. SCORED CONCRETE PAVING (P1)

1" = 1'-0"



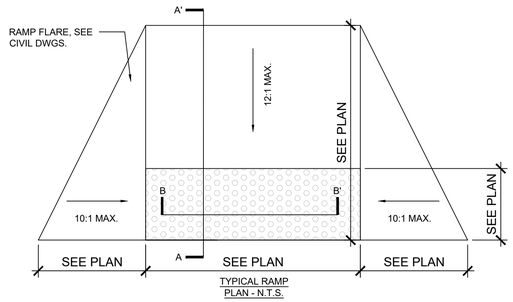
2 CONCRETE PAVING @ PLANTING AREA

1" = 1'-0"

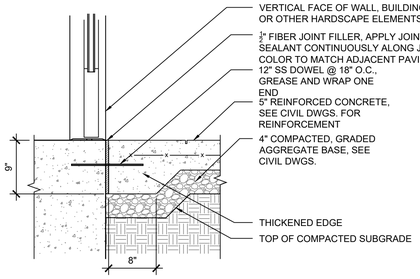


3 DETECTABLE WARNING SURFACE (P2)

1" = 1'-0"



TYPICAL RAMP PLAN - N.T.S.



4 CONCRETE PAVING @ BUILDING

1" = 1'-0"

5 NOT USED

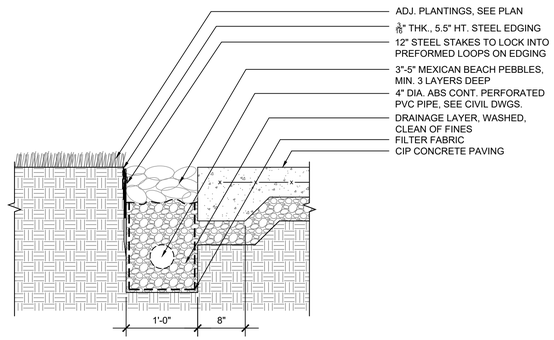
N.T.S.

6 NOT USED

N.T.S.

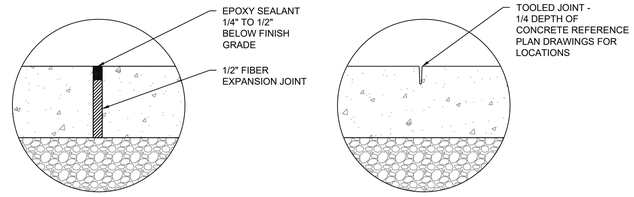
7 NOT USED

N.T.S.



8 MEXICAN BEACH PEBBLE @ PLANTING AREA (P3)

1"=1'-0"

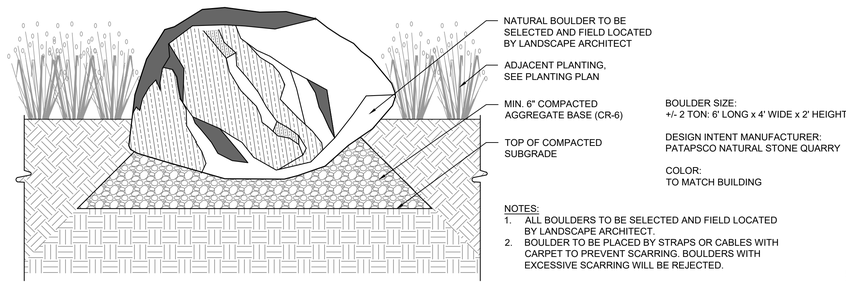


A: EXPANSION JOINT @ CONCRETE

B: CONTRACTION JOINT @ CONCRETE

9 JOINTS (TYPICAL)

3/8"=1'-0"



10 NATURAL LANDSCAPE BOULDER (BO) @ PLANTING AREA

1"=1'-0"

DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK EDWARD PELUSI · 7152 · LANDSCAPE ARCHITECT

PROFESSIONAL CERTIFICATION

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LANDSCAPE ARCHITECT: Mark Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	AS SHOWN
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DGN BY:	MEP
DWN BY:	BMR/MNQ
CHKD BY:	MEP

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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - HARDSCAPE DETAILS

RENOVATION & ADDITION

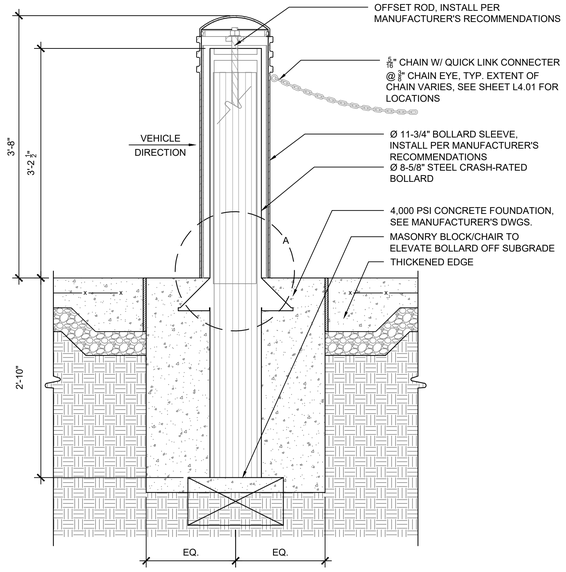
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

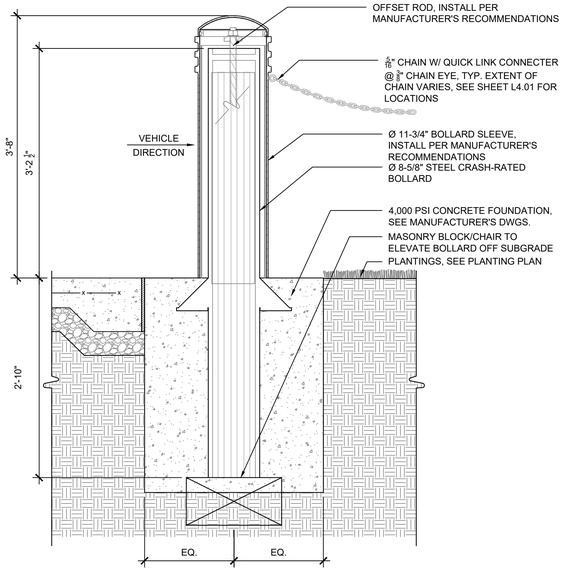
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L5.01	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 65 OF 295	
DRAWING NUMBER	2025 - 0956
FILE NO.: 8	REV. NO.:

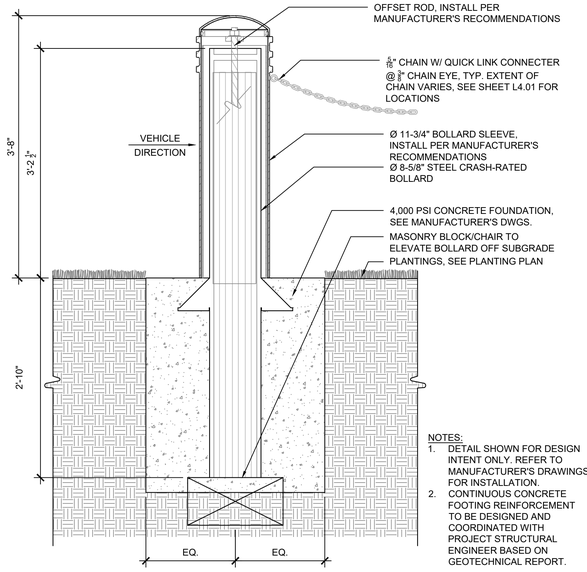
BALTIMORE COUNTY MARYLAND



A. @ CIP CONCRETE PAVING

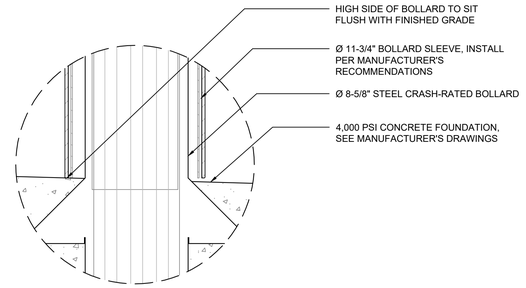


B. @ CIP CONCRETE PAVING & PLANTING AREA



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-7743 DECORATIVE BOLLARD (SLEEVE)

MATERIAL AND COLOR:
POWDER COATED BLACK STEEL

CONTACT INFO:
1.877.789.3245
www.reliance-foundry.com

1 BOLLARD (BDA BDB, & BDC)

1"=1'-0"

DWG - FILENAME:

SEAL
STATE OF MARYLAND · MARK E. PELUSI · 7152 · LANDSCAPE ARCHITECT
DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION
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BY:
DATE:

DGN BY: MEP
DWN BY: BMR/MNQ
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AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE
PLAN SCALE: AS SHOWN
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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - HARDSCAPE DETAILS

RENOVATION & ADDITION

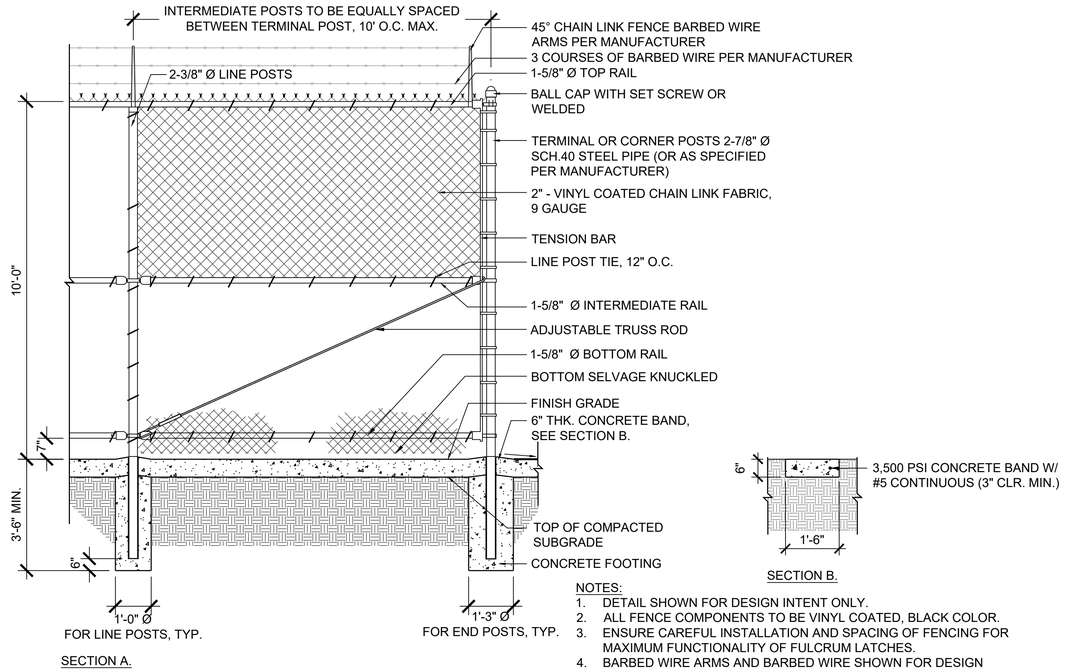
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
L5.02	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 66 OF 295
	DRAWING NUMBER
	2025 - 0957
	FILE NO.: 8



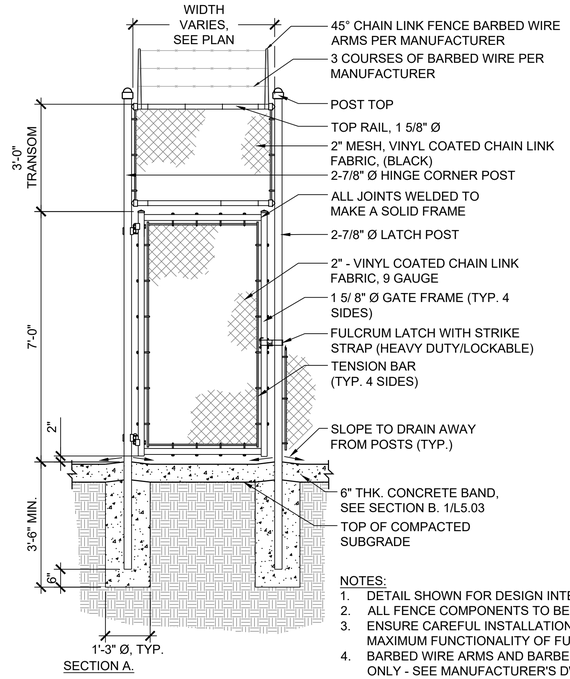
SECTION A.

SECTION B.

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 (F1)

1/2" = 1'-0"



SECTION A.

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 (G2) W/ 10' HT. FENCE

1/2" = 1'-0"

SEAL

STATE OF MARYLAND — MARK E. PELUSI — 7152 — LANDSCAPE ARCHITECT

DATE: JULY 14, 2025

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AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - HARDSCAPE DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
L5.03	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 67 OF 295
	DRAWING NUMBER
	2025 - 0958
	FILE NO.: 8

DWG - FILENAME:

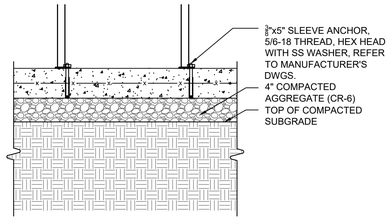


NAME:
BENCH (B)

MANUFACTURER:
VICTOR STANLEY

MODEL:
RB-28 (6' LENGTH)

COLOR AND FINISH:
POWDERCOAT BLACK



NOTES:
1. INSTALL VANDAL RESISTANT HARDWARE.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

1 BENCH (B)
1" = 1'-0"

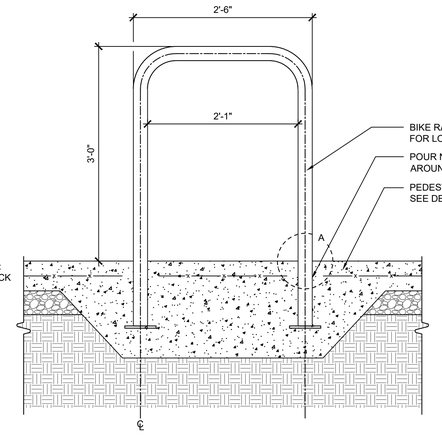


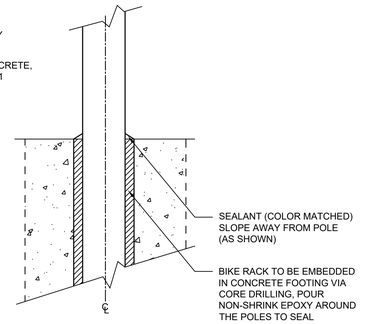
NAME:
BIKE RACK (BR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
BRQS-101

COLOR AND FINISH:
POWDERCOAT BLACK





ENLARGEMENT A
N.T.S.

2 BIKE RACK (BR)
1" = 1'-0"



NAME:
LITTER RECEPTACLE (LRA & LRB [W/ ASHTRAY LID])

MANUFACTURER:
VICTOR STANLEY

MODEL:
SDC-36

COLOR AND FINISH:
POWDERCOAT BLACK

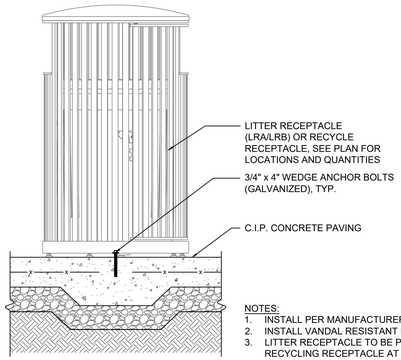


NAME:
RECYCLING RECEPTACLE (RR)

MANUFACTURER:
VICTOR STANLEY

MODEL:
SDC-36; RECYCLE LID & DECALS

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.

3 LITTER RECEPTACLE (LRA & LRB [W/ ASHTRAY LID]) AND RECYCLING RECEPTACLE (RR)
1" = 1'-0"

DWG. FILENAME:

SEAL: STATE OF MARYLAND · Mark E. Pelusi · 1152 · LANDSCAPE ARCHITECT

DATE: JULY 14, 2025

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CONTRACT COMPLETION BOX

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

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE
PLAN SCALE: AS SHOWN
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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - SITE FURNISHINGS

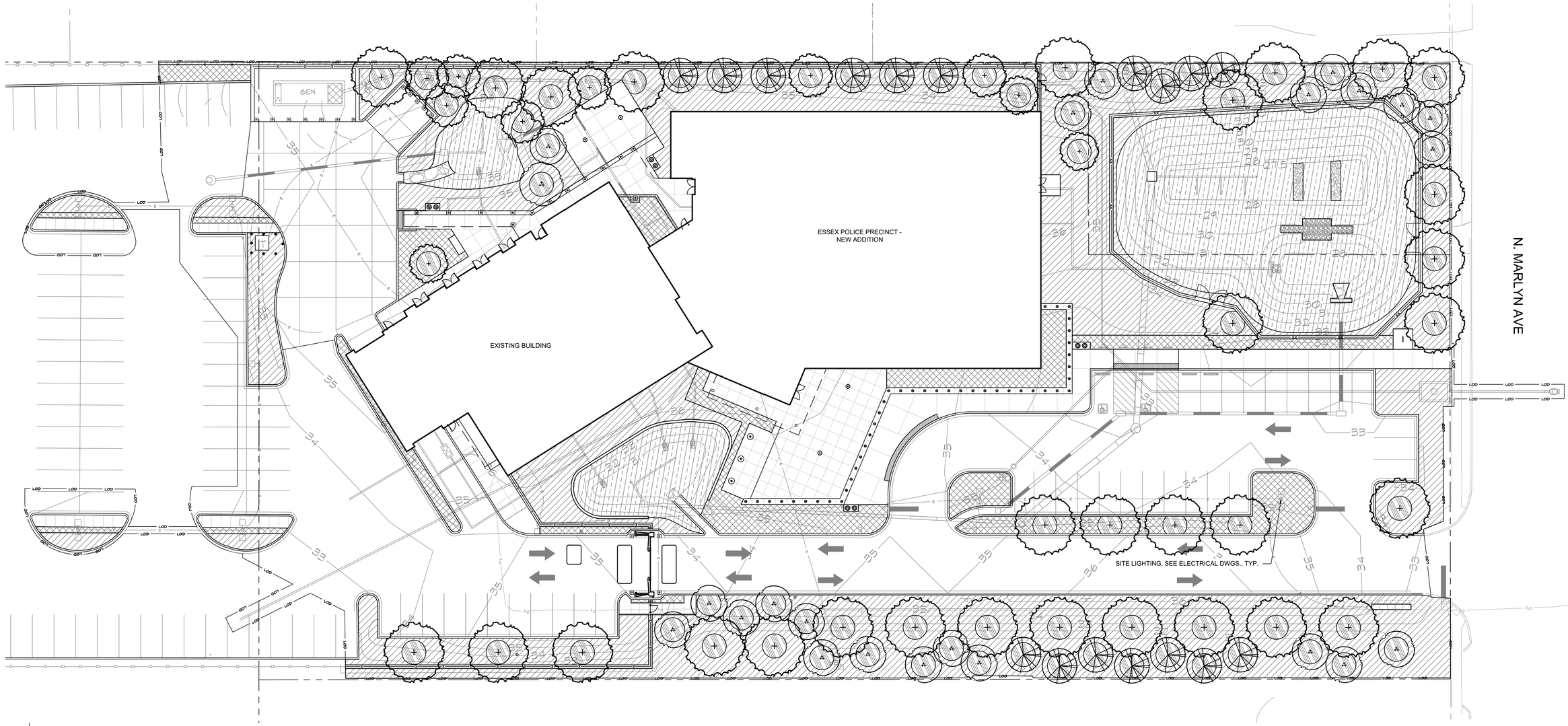
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L5.10	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 68 OF 295
	DRAWING NUMBER
	2025 - 0959
	FILE NO.: 8



1 SOILS PLAN

1" =20'

N

0 10' 20' 40'

SOILS LEGEND

- 12" PLANTING SOIL DEPTH
- 24" PLANTING SOIL DEPTH
- 30" PLANTING SOIL DEPTH
- MICRO-BIORETENTION SOIL, SEE CIVIL DWGS. FOR DEPTH

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 2-3INCHES 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.

DWG. FILENAME:

SEAL: STATE OF MARYLAND · MARK EDWARD PELUSI · 1152 · LANDSCAPE ARCHITECT

DATE : JULY 14, 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 Edward Pelusi, Jr.

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. | ISW | 7NE28 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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:	MEP								
DWN BY:	BMR/MNQ	REVIEWED BY:							
CHKD BY:	MEP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LANDSCAPE - SOILS PLAN

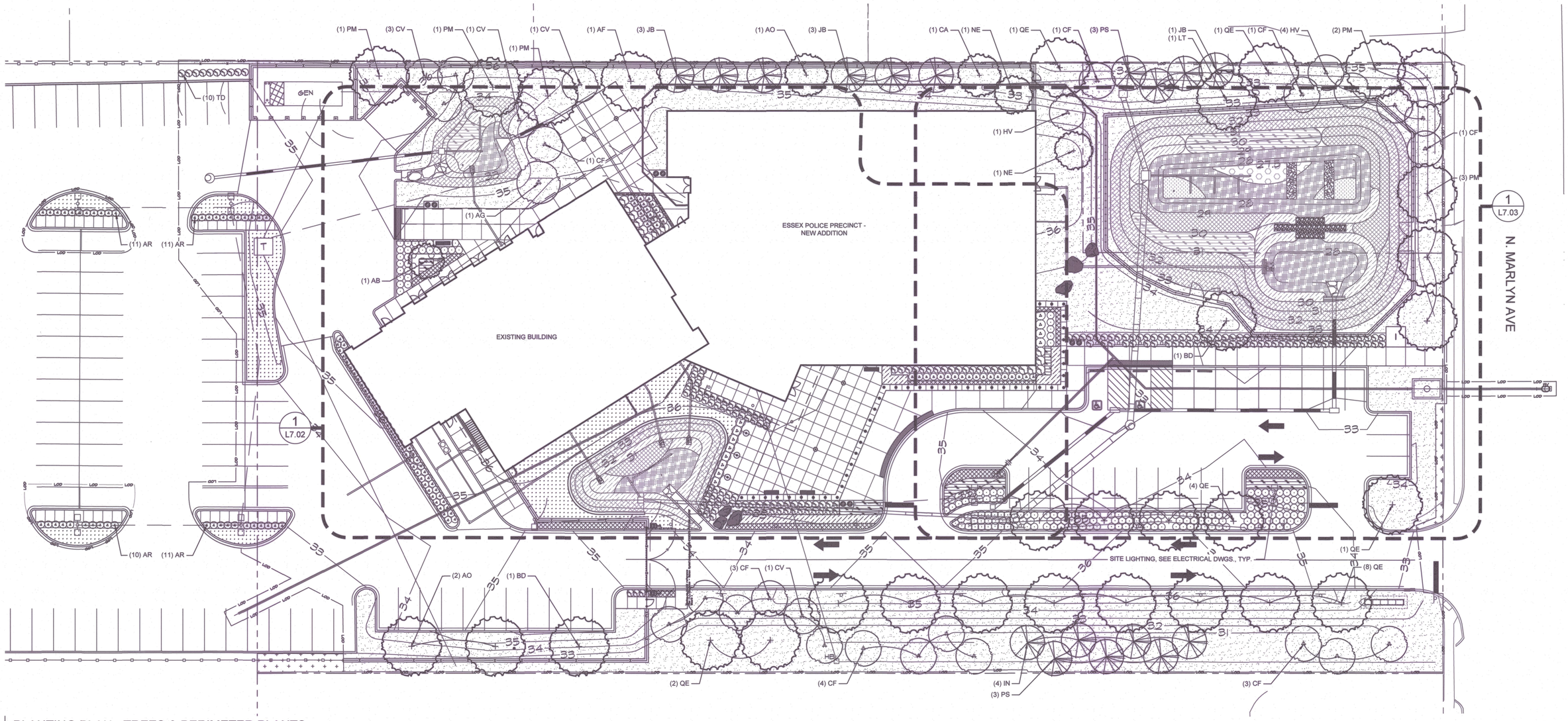
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L6.01	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 69 OF 295
	DRAWING NUMBER
	2025 - 0960
	FILE NO.: 8



1 PLANTING PLAN - TREES & PERIMETER PLANTS

1" =20'

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
EVERGREEN TREES					
IN	4	Ilex x 'Nellie R. Stevens' Nellie R. Stevens Holly	6` Ht.	B&B	Full to Ground, Matched
JB	7	Juniperus virginiana 'Burkii' Burk Eastern Redcedar	6`-8` Ht.	B&B	Full to Ground, Matched
PS	6	Pinus strobus White Pine	6`-8` Ht.	B&B	Full, Matched
ORNAMENTAL TREES					
AG	1	Amelanchier x grandiflora 'Autumn Brilliance' Autumn Brilliance Apple Serviceberry	6`-8` Ht.	B&B	Multi-Stem, 3-5 canes, Matched
CF	15	Cercis canadensis 'Forest Pansy' Forest Pansy Eastern Redbud	6`-8` Ht.	B&B	Multi-Stem, 3-5 canes, Matched
CV	7	Crataegus viridis 'Winter King' Winter King Hawthorn	2" Cal.	B&B	Single Stem, Full Canopy, Matched
HV	5	Hamamelis virginiana Common Witch Hazel	6` Ht.	B&B	Single Stem, Full Canopy

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
SHADE TREES					
AB	1	Acer palmatum 'Bloodgood' Bloodgood Japanese Maple	3" Cal.	B&B	Central Leader, Full Canopy, Matched
AF	1	Acer rubrum 'Frank Jr.' Redpointe® Maple	3" Cal.	B&B	Central Leader, Full Canopy, Matched
AO	2	Acer rubrum 'October Glory' October Glory Red Maple	3" Cal.	B&B	Central Leader, Full Canopy, Matched
BD	2	Betula nigra 'BNMTF' Dura Heat® River Birch	8`-10` Ht.	B&B	Multi-Stem, 3-5 canes, Matched
CA	2	Carpinus caroliniana American Hornbeam	3" Cal.	B&B	Central Leader, Full Canopy, Matched
LT	1	Liriodendron tulipifera Tulip Poplar	3" Cal.	B&B	Central Leader, Full Canopy, Do Not Fall Dig
NE	2	Nyssa sylvatica 'JFS-red' Firestarter® Tupelo	3" Cal.	B&B	Central Leader, Full Canopy, Matched
PM	8	Platanus x acerifolia 'Morton Circle' Exclamation!™ London Plane Tree	3" Cal.	B&B	Central Leader, Full Canopy, Matched
QE	17	Quercus phellos 'QPSTA' Hightower® Willow Oak	3" Cal.	B&B	Central Leader, Full Canopy, Matched

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPD / HT.	SPACING	REMARKS
SHRUBS							
AR	89	Abelia x 'Rose Creek' Rose Creek Abelia	24"-30" Spd.	Cont.			
IC	3	Ilex crenata 'Soft Touch' Soft Touch Japanese Holly	#5	Cont.	24"-30"		Full, Matched
TD	93	Taxus x media 'Densiformis' Dense Anglo-Japanese Yew	24"-30" Spd.	B&B			Full, Matched
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES							
LIR	31	Liriope muscari 'Royal Purple' Royal Purple Lilyturf	#1	Cont.		12" o.c.	

PLANTING LEGEND

PROPOSED SHADE TREE
PROPOSED ORNAMENTAL TREE
PROPOSED EVERGREEN TREE
PROPOSED SHRUB
LAWN / TURFGRASS
SEED
OVERSEED

0 10' 20' 40' N

NOTES:
1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED IN LIGHTING CONSULTANT'S DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANT LAYOUT/LOCATIONS PRIOR TO INSTALLATION.

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

DWG. FILENAME:

SEAL: STATE OF MARYLAND · Mark E. Pelusi, Jr. · 1153 · LANDSCAPE ARCHITECT

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. 1153 EXPIRATION DATE 09/18/2026

LANDSCAPE ARCHITECT: Mark Edward Pelusi, Jr.
AS-BUILT PER RECORD PRINT
BY: DATE:
DATE: MARCH 18, 2025

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

DGN BY: MEP
DWN BY: BMR/MNQ
CHKD BY: MEP

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
R.O.W NO.	ISW	7NE28 8NE28 8NE29	PLAN SCALE: AS SHOWN 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - PLANTING PLAN

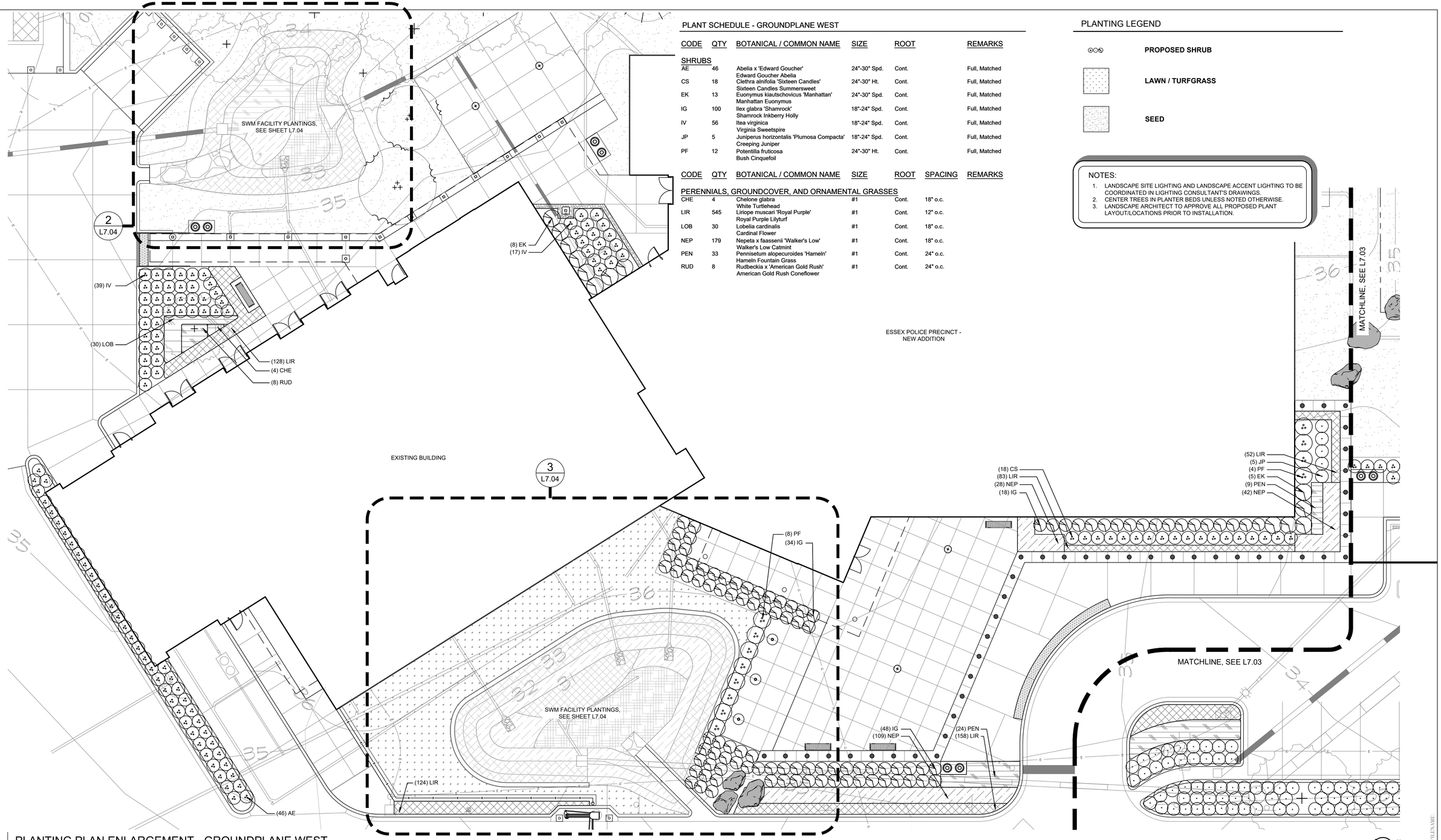
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L7.01	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 70 OF 295	
DRAWING NUMBER	2025 - 0961
FILE NO.: 8	REV. 05/25



PLANT SCHEDULE - GROUNDPLANE WEST

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
SHRUBS					
AE	46	Abelia x 'Edward Goucher' Edward Goucher Abelia	24"-30" Spd.	Cont.	Full, Matched
CS	18	Clethra alnifolia 'Sixteen Candles' Sixteen Candles Summersweet	24"-30" Ht.	Cont.	Full, Matched
EK	13	Euonymus kiautschovicus 'Manhattan' Manhattan Euonymus	24"-30" Spd.	Cont.	Full, Matched
IG	100	Ilex glabra 'Shamrock' Shamrock Inkberry Holly	18"-24" Spd.	Cont.	Full, Matched
IV	56	Itea virginica Virginia Sweetspire	18"-24" Spd.	Cont.	Full, Matched
JP	5	Juniperus horizontalis 'Plumosa Compacta' Creeping Juniper	18"-24" Spd.	Cont.	Full, Matched
PF	12	Potentilla fruticosa Bush Cinquefoil	24"-30" Ht.	Cont.	Full, Matched

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPACING	REMARKS
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES						
CHE	4	Chelone glabra White Turtlehead	#1	Cont.	18" o.c.	
LIR	545	Liriope muscari 'Royal Purple' Royal Purple Lilyturf	#1	Cont.	12" o.c.	
LOB	30	Lobelia cardinalis Cardinal Flower	#1	Cont.	18" o.c.	
NEP	179	Nepeta x faassenii 'Walker's Low' Walker's Low Catmint	#1	Cont.	18" o.c.	
PEN	33	Pennisetum alopecuroides 'Hameln' Hameln Fountain Grass	#1	Cont.	24" o.c.	
RUD	8	Rudbeckia x 'American Gold Rush' American Gold Rush Coneflower	#1	Cont.	24" o.c.	

PLANTING LEGEND

- **PROPOSED SHRUB**
- **LAWN / TURFGRASS**
- **SEED**

NOTES:
1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED IN LIGHTING CONSULTANT'S DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANT LAYOUT/LOCATIONS PRIOR TO INSTALLATION.

1 PLANTING PLAN ENLARGEMENT - GROUNDPLANE WEST
1" =10'

0 5' 10' 20' N

DWG. FILENAME:

SEAL: STATE OF MARYLAND — MARK E. PELUSI, JR. — 1152 — LANDSCAPE ARCHITECT

DATE: JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - PLANTING PLAN ENLARGEMENT

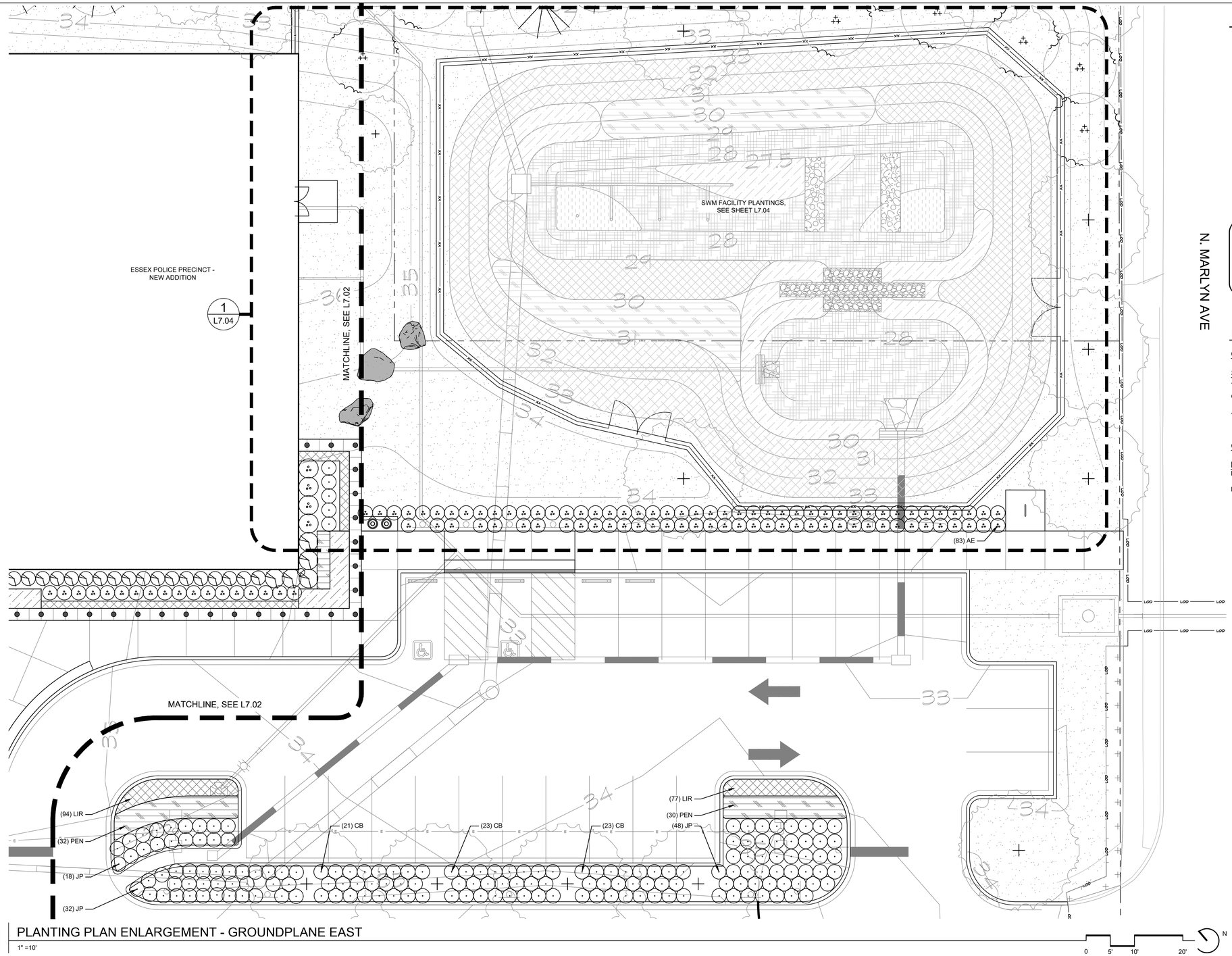
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L7.02	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 71 OF 295
	DRAWING NUMBER
	2025 - 0962
	FILE NO.: 8



PLANTING LEGEND

- **PROPOSED SHRUB**
- **LAWN / TURFGRASS**
- **SEED**
- **OVERSEED**

NOTES:

1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED IN LIGHTING CONSULTANT'S DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANT LAYOUT/LOCATIONS PRIOR TO INSTALLATION.

PLANT SCHEDULE - GROUNDPLANE EAST

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
SHRUBS					
AE	83	Abelia x 'Edward Goucher' Edward Goucher Abelia	24"-30" Spd.	Cont.	Full, Matched
CB	69	Cotoneaster dammeri 'Coral Beauty' Coral Beauty Cotoneaster	18"-24" Spd.	Cont.	Full, Matched
JP	98	Juniperus horizontalis 'Plumosa Compacta' Creeping Juniper	18"-24" Spd.	Cont.	Full, Matched

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPACING	REMARKS
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES						
LIR	171	Liriope muscari 'Royal Purple' Royal Purple Lilyturf	#1	Cont.	12" o.c.	
PEN	62	Pennisetum alopecuroides 'Hameln' Hameln Fountain Grass	#1	Cont.	24" o.c.	

1 PLANTING PLAN ENLARGEMENT - GROUNDPLANE EAST
1" =10'

SEAL: STATE OF MARYLAND · MARK EDWARD PELUSI · 1152 · LANDSCAPE ARCHITECT

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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY:
DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 8NE28 8NE29

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

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

DESIGNED BY: MEP	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: BMR/MNQ	REVIEWED BY:							
CHKD BY: MEP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LANDSCAPE - PLANTING PLAN ENLARGEMENT

RENOVATION & ADDITION

SUBDIVISION: ESSEX

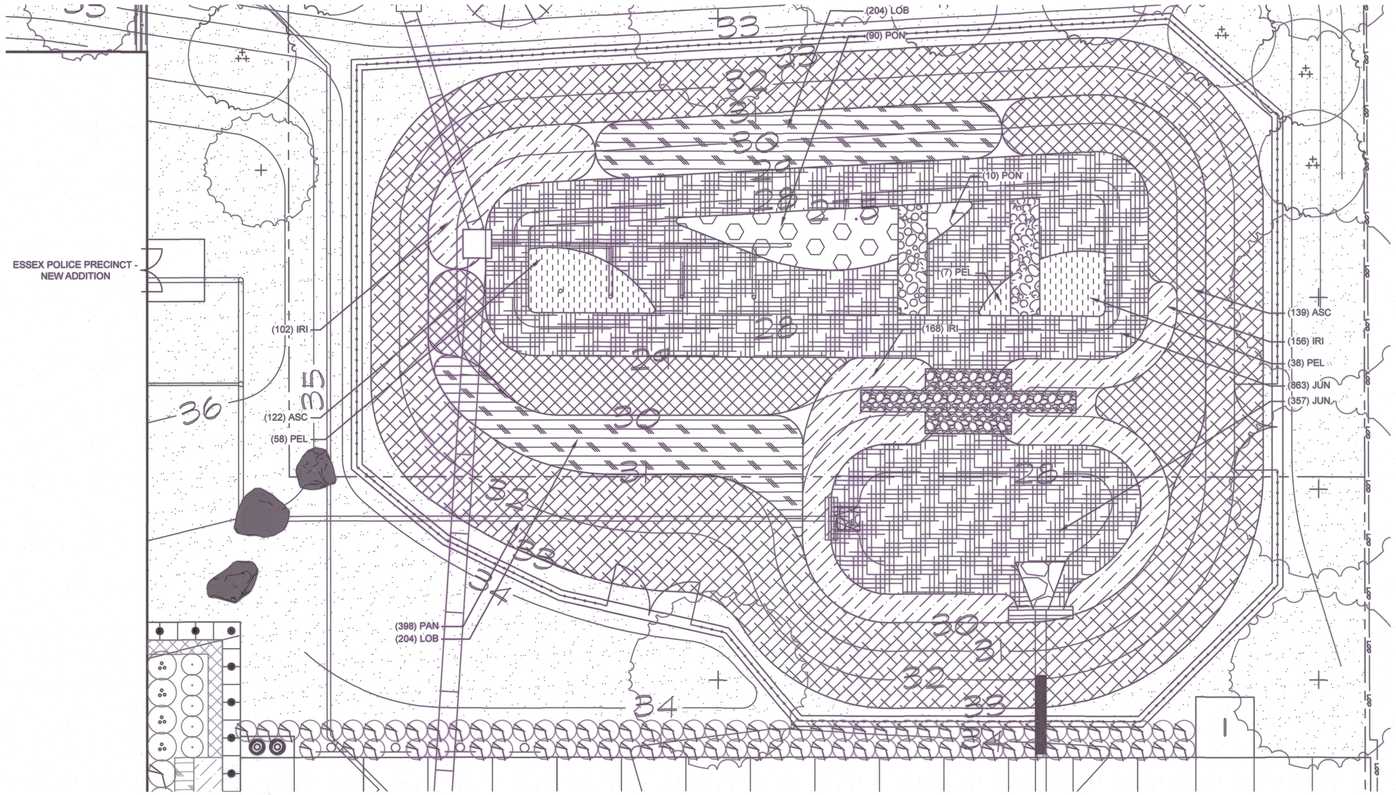
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L7.03	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 72 OF 295
	DRAWING NUMBER
	2025 - 0963
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

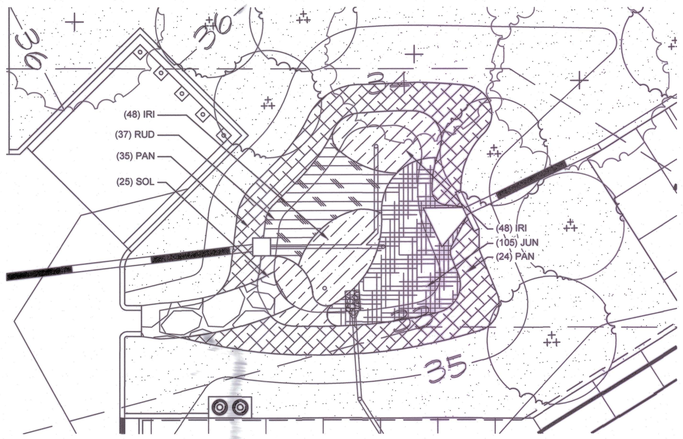
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1 PLANTING PLAN ENLARGEMENT - EAST SWM

1" =10'

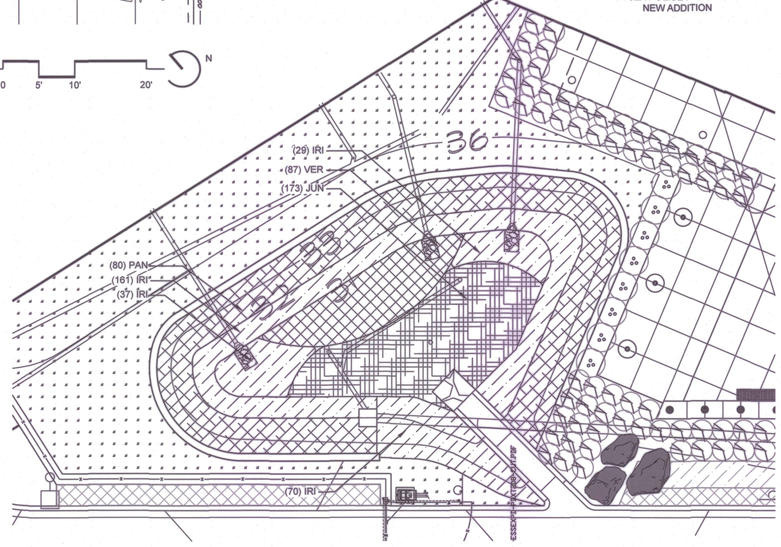
0 5' 10' 20' N



2 PLANTING PLAN ENLARGEMENT - NORTH SWM

1" =10'

0 5' 10' 20' N



3 PLANTING PLAN ENLARGMENT - SOUTH SWM

1" =10'

0 5' 10' 20' N

PLANT SCHEDULE - NORTH SWM

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES					
IRI	96	Iris versicolor Blue Flag	#1	Cont.	18" o.c.
JUN	105	Juncus effusus Soft Rush	#1	Cont.	18" o.c.
PAN	59	Panicum virgatum 'Shenandoah' Shenandoah Switch Grass	#1	Cont.	36" o.c.
RUD	37	Rudbeckia x 'American Gold Rush' American Gold Rush Coneflower	#1	Cont.	24" o.c.
SOL	25	Solidago rugosa Wrinkleleaf Goldenrod	#1	Cont.	18" o.c.

PLANT SCHEDULE - EAST SWM

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	REMARKS
AQUATIC					
PEL	103	Peltandra virginica Arrow Arum	SP#4	Cont.	18" o.c.
PON	100	Pontederia cordata Pickerel Weed	SP#4	Cont.	18" o.c.
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES					
ASC	261	Asclepias incarnata Swamp Milkweed	#1	Cont.	24" o.c.
IRI	412	Iris versicolor Blue Flag	#1	Cont.	18" o.c.
JUN	1,241	Juncus effusus Soft Rush	#1	Cont.	18" o.c.
LOB	408	Lobelia cardinalis Cardinal Flower	#1	Cont.	18" o.c.
PAN	398	Panicum virgatum 'Shenandoah' Shenandoah Switch Grass	#1	Cont.	36" o.c.

PLANT SCHEDULE - SOUTH SWM

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPACING	REMARKS
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES						
IRI	297	Iris versicolor Blue Flag	#1	Cont.	18" o.c.	
JUN	173	Juncus effusus Soft Rush	#1	Cont.	18" o.c.	
PAN	80	Panicum virgatum 'Shenandoah' Shenandoah Switch Grass	#1	Cont.	36" o.c.	
VER	87	Verbena hastata Blue Vervain	#1	Cont.	18" o.c.	

PLANTING LEGEND

- LAWN / TURFGRASS
- SEED
- OVERSEED

NOTES:

1. LANDSCAPE SITE LIGHTING AND LANDSCAPE ACCENT LIGHTING TO BE COORDINATED IN LIGHTING CONSULTANT'S DRAWINGS.
2. CENTER TREES IN PLANTER BEDS UNLESS NOTED OTHERWISE.
3. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANT LAYOUT/LOCATIONS PRIOR TO INSTALLATION.

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

DWG. FILENAME:

SEAL
STATE OF MARYLAND — MARK EDWARD PELUSI — 1152 — LANDSCAPE ARCHITECT
DATE: MARCH 18, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP
DWN BY: BMR/MNQ
CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: AS SHOWN
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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - PLANTING PLAN ENLARGEMENT

RENOVATION & ADDITION

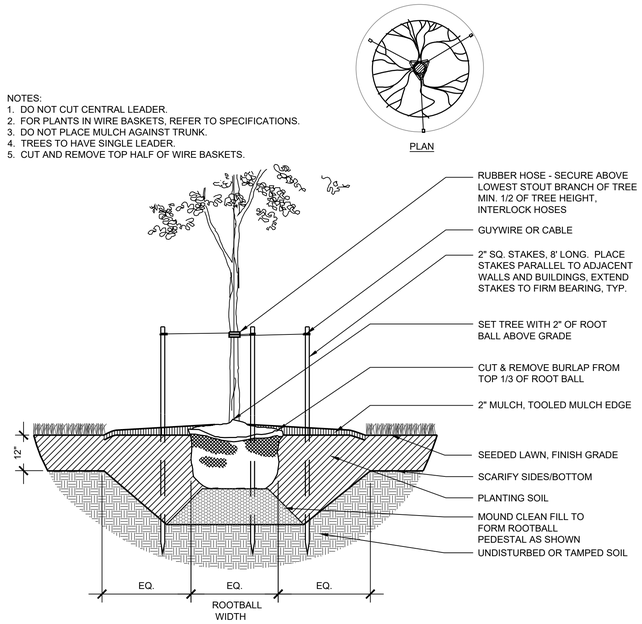
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

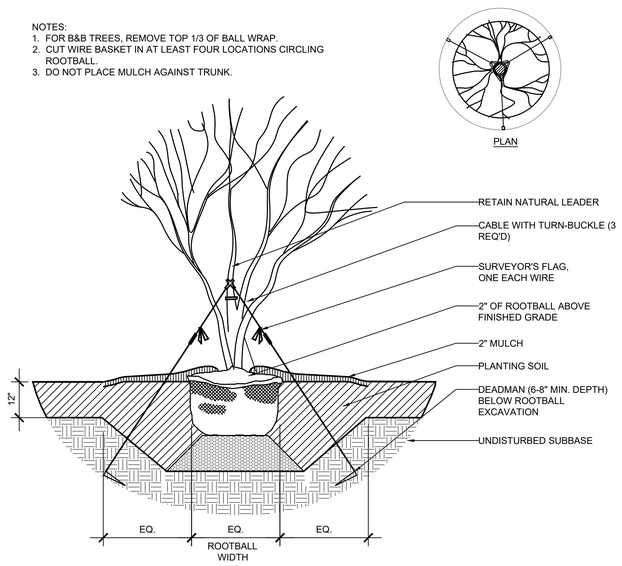
SHEET DESIGNATION	CONTRACT NUMBER
L7.04	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 73 OF 295
	DRAWING NUMBER
	2025 - 0964
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



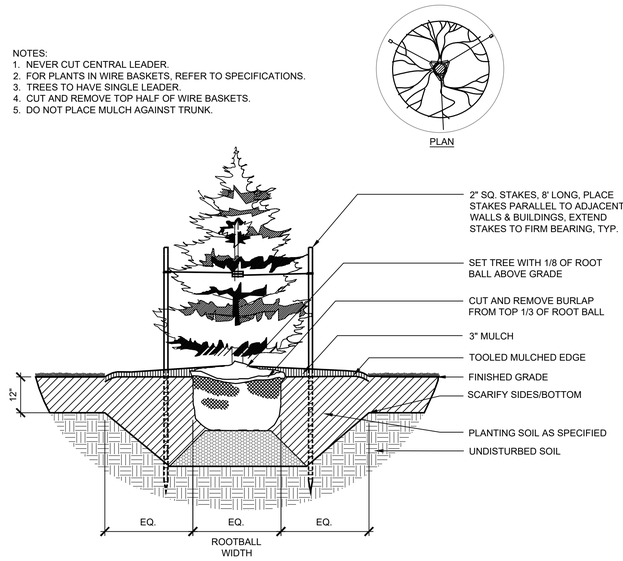
1 DECIDUOUS TREE @ GRADE

1/2" = 1'-0"



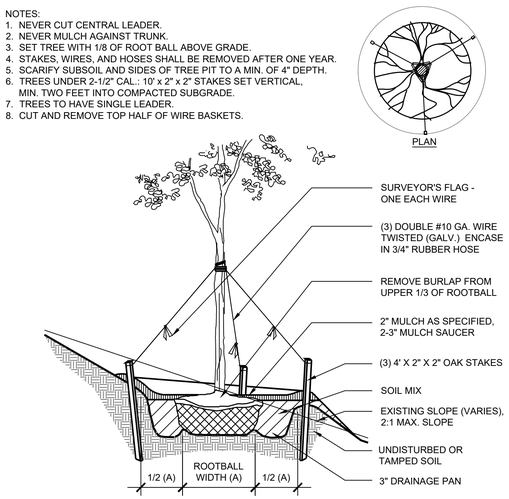
2 ORNAMENTAL TREE @ GRADE

1/2" = 1'-0"



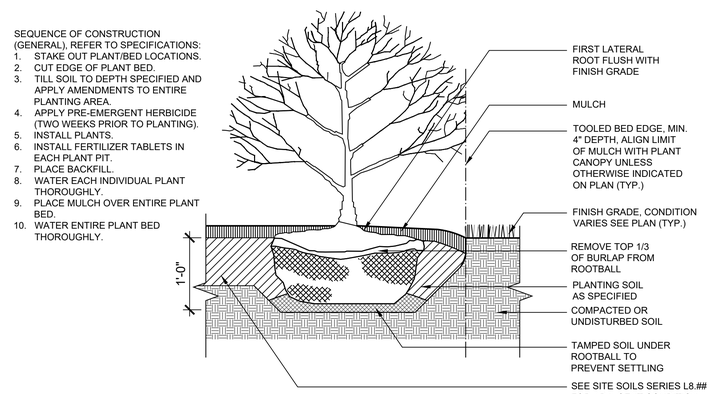
3 EVERGREEN TREE @ GRADE

1/2" = 1'-0"



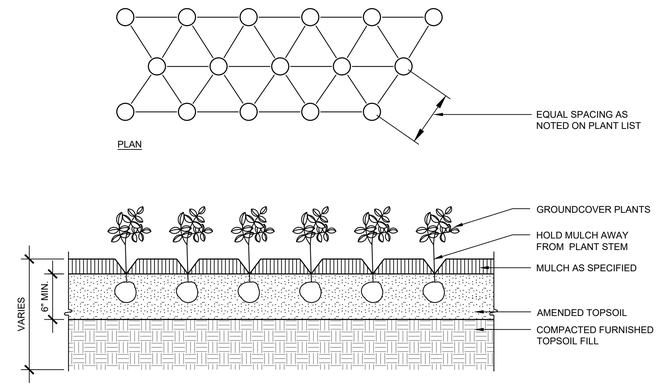
4 TREE @ SLOPE

1/2" = 1'-0"



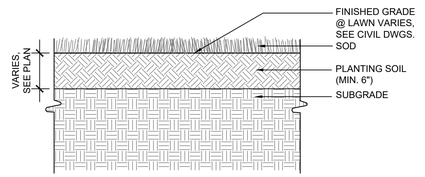
5 SHRUB @ GRADE

1" = 1'-0"



6 PERENNIAL / GROUNDCOVER @ GRADE

1/2" = 1'-0"



7 LAWN @ GRADE

1" = 1'-0"

DWG. FILENAME:

SEAL

STATE OF MARYLAND — MARK EDWARD PELUSI — 1152 — LANDSCAPE ARCHITECT

DATE: JULY 14, 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 Edward Pelusi, Jr.

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: MEP | DWN BY: BMR/MNQ | CHKD BY: MEP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: AS SHOWN; 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

ESSEX POLICE PRECINCT - 11

LANDSCAPE - PLANTING DETAILS

RENOVATION & ADDITION

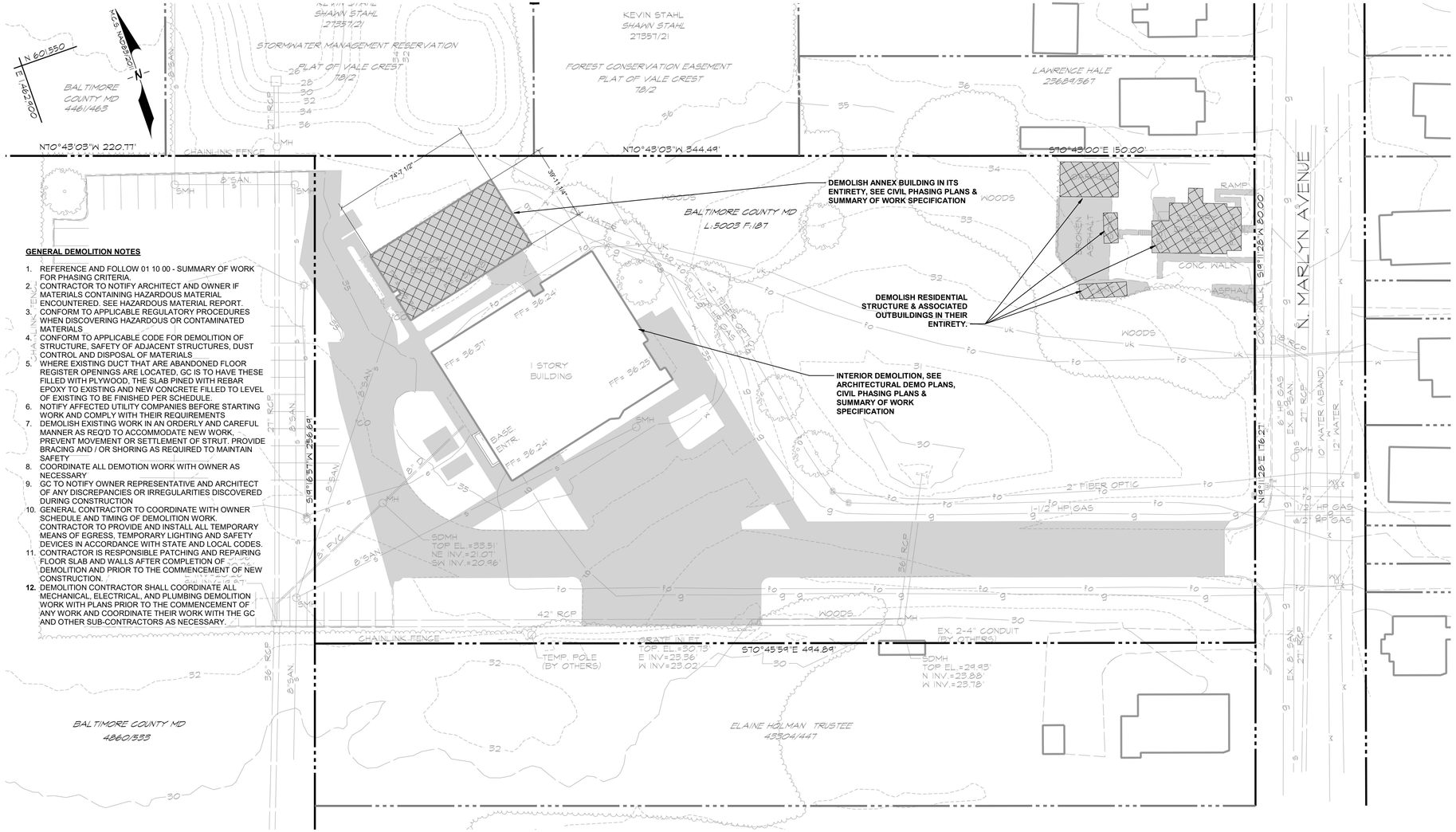
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
L7.10	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 74 OF 295	
DRAWING NUMBER	2025 - 0965
FILE NO.: 8	REV. 0

BALTIMORE COUNTY MARYLAND



GENERAL DEMOLITION NOTES

1. REFERENCE AND FOLLOW 01 10 00 - SUMMARY OF WORK FOR PHASING CRITERIA.
2. CONTRACTOR TO NOTIFY ARCHITECT AND OWNER IF MATERIALS CONTAINING HAZARDOUS MATERIAL ENCOUNTERED. SEE HAZARDOUS MATERIAL REPORT.
3. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS
4. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURE, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL AND DISPOSAL OF MATERIALS
5. WHERE EXISTING DUCT THAT ARE ABANDONED FLOOR REGISTER OPENINGS ARE LOCATED, GC IS TO HAVE THESE FILLED WITH PLYWOOD, THE SLAB PINED WITH REBAR EPOXY TO EXISTING AND NEW CONCRETE FILLED TO LEVEL OF EXISTING TO BE FINISHED PER SCHEDULE.
6. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS
7. DEMOLISH EXISTING WORK IN AN ORDERLY AND CAREFUL MANNER AS REQ'D TO ACCOMMODATE NEW WORK, PREVENT MOVEMENT OR SETTLEMENT OF STRUT. PROVIDE BRACING AND / OR SHORING AS REQUIRED TO MAINTAIN SAFETY
8. COORDINATE ALL DEMOTION WORK WITH OWNER AS NECESSARY
9. GC TO NOTIFY OWNER REPRESENTATIVE AND ARCHITECT OF ANY DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING CONSTRUCTION
10. GENERAL CONTRACTOR TO COORDINATE WITH OWNER SCHEDULE AND TIMING OF DEMOLITION WORK. CONTRACTOR TO PROVIDE AND INSTALL ALL TEMPORARY MEANS OF EGRESS, TEMPORARY LIGHTING AND SAFETY DEVICES IN ACCORDANCE WITH STATE AND LOCAL CODES.
11. CONTRACTOR IS RESPONSIBLE PATCHING AND REPAIRING FLOOR SLAB AND WALLS AFTER COMPLETION OF DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION.
12. DEMOLITION CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION WORK WITH PLANS PRIOR TO THE COMMENCEMENT OF ANY WORK AND COORDINATE THEIR WORK WITH THE GC AND OTHER SUB-CONTRACTORS AS NECESSARY.

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

OVERALL DEMOLITION PLAN
SCALE: 1" = 30'

APPROXIMATE LIMITS OF EXISTING PAVING/CONCRETE TO BE REMOVED

APPROXIMATE LIMITS OF EXISTING BUILDING TO BE REMOVED



1. NORTH & EAST ELEVATION PHOTO - RESIDENCE



2.SOUTH & WEST ELEVATION PHOTO - RESIDENCE



1. SOUTH ELEVATION PHOTO - ANNEX



2. WEST ELEVATION PHOTO - ANNEX

DEMOLITION LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN
- EXISTING WALL CONSTRUCTION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

NOTE: FLOR DRAINS AND CLEANOUTS - COORDINATE WITH PLUMBING

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

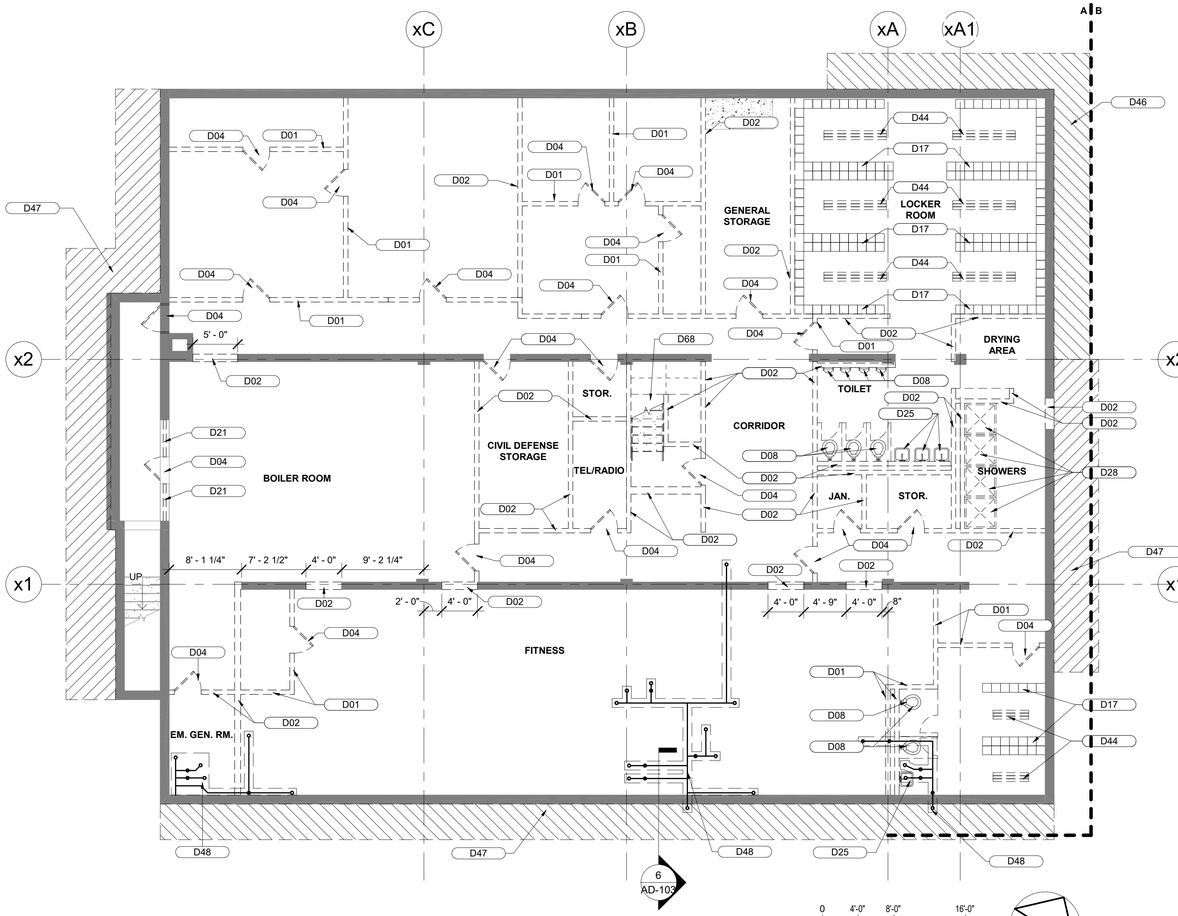
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
SITE DEMOLITION PLAN
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

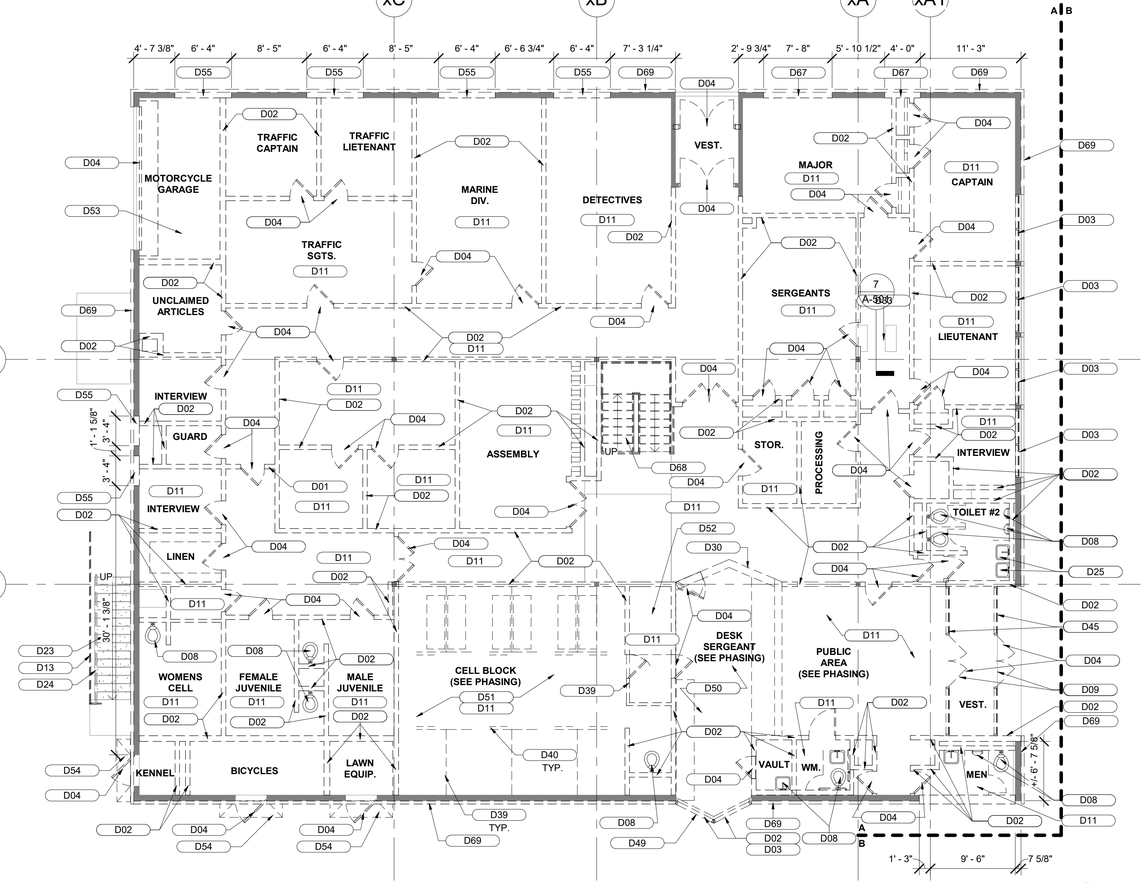
Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
AD-101	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 75 OF 295	
DRAWING NUMBER	2025-0966
FILE NO.: 8	REV. 0/02

DWG FILENAME: C:\Users\dwg\Documents\23139A1 - BC OC Essex Police Station DD_dwgQZANS.rvt



2 DEMOLITION FLOOR PLAN - BASEMENT
1/8" = 1'-0"



1 DEMOLITION FLOOR PLAN - FIRST FLOOR
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

DEMOLITION LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN
- EXISTING WALL CONSTRUCTION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

NOTE: FLOR DRAINS AND CLEANOUTS
- COORDINATE WITH PLUMBING

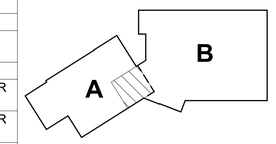
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KEYNOTE LEGEND	
TAG	DESCRIPTION
D01	REMOVE EXIST. STUD WALL TO EXTENT SHOWN. REMOVE FULL HEIGHT OF EXIST. PARTITION.
D02	REMOVE EXIST. MASONRY WALL TO EXTENT SHOWN. PREPARE FOR NEW WORK.
D03	REMOVE EXIST. WINDOW IN ITS ENTIRETY INCLUDING WOOD BLOCKING, FLASHING, ETC. PREPARE FOR NEW WORK.
D04	REMOVE EXIST. DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY. PREPARE FOR NEW WORK.
D08	REMOVE EXIST. PLUMBING FIXTURES AND TOILET ACCESSORIES. PREPARE FOR NEW WORK.
D09	REMOVE EXIST. TOILET PARTITIONS, URINAL SCREENS, AND RELATED ITEMS. PREPARE FOR NEW WORK.
D11	REMOVE EXIST. FLOOR FINISH, WALL BASE, AND ALL MASTICS / GLUE. PREPARE FLOOR SLAB FOR NEW WORK.
D13	REMOVE EXIST. GUARDRAIL IN ITS ENTIRETY. PREPARE FOR NEW WORK.
D17	REMOVE EXIST. LOCKERS.
D21	REMOVE EXIST. LOUVER IN ITS ENTIRETY. PREPARE FOR NEW WORK.
D23	REMOVE EXIST. TREAD FINISH. PREPARE FOR NEW WORK.
D24	REMOVE EXIST. HANDRAIL IN ITS ENTIRETY. PREPARE FOR NEW WORK.

KEYNOTE LEGEND	
TAG	DESCRIPTION
D25	REMOVE EXIST. SINK. PREPARE FOR NEW WORK. COORDINATE WITH MEP.
D28	REMOVE EXIST. SHOWER BASE, SHOWER HEAD, CONTROLS, AND ACCESSORIES. CAP & FILL ABONDON IN PLACE PIPING. COORDINATE WITH MEP.
D30	REMOVE EXIST. HALF-WALL.
D33	REMOVE EXIST. FLOOR SLAB AS NEEDED FOR NEW MECHANICAL SHAFT. COORDINATE WITH STRUCTURAL DRAWINGS. PREPARE FOR NEW WORK.
D39	REMOVE EXIST. BARRED CELL WALLS IN THEIR ENTIRETY. PREPARE FOR NEW WORK.
D40	REMOVE EXIST. BARRED CELL DOOR. SWINGING OR SLIDING, REMOVE IN ITS ENTIRETY.
D44	REMOVE EXIST. WOOD BENCH.
D45	REMOVE EXIST. STOREFRONT IN ITS ENTIRETY.
D46	IN PHASE 1, EXCAVATE HATCH AREA TO B.O. MAT SLAB. DETERMINE CONDITION OF THE EXISTING DRAIN TILE & WATERPROOFING MEMBRANE. GC SHALL HOLD AN ALLOWANCE TO REPLACE THE ENTIRE PERIMETER OF THE EXISTING BUILDING'S DRAIN TILE AND WATERPROOFING MEMBRANE AT BELOW GRADE WALLS.
D47	EXCAVATE AREA FOR NEW FOOTINGS AND FOR NEW UTILITY WORK.

KEYNOTE LEGEND	
TAG	DESCRIPTION
D48	DEMO SLAB AREAS TO BE TRENCHED FOR NEW PLUMBING WORK. APPOX 12" WIDE AROUND A PIPE. SEE STRUCTURAL DETAILS.
D49	REMOVE EXIST. FLOOR SLAB. COORDINATE WITH STRUCTURAL.
D50	REMOVE EXIST. RAISED PLYWOOD FLOOR. PREPARE SLAB UNDERNEATH FOR NEW FINISH.
D51	DEMO 3" CONCRETE TOPPING, TO ITS ENTIRETY, & DRAIN. PREPARE FOR NEW FINISH.
D52	REMOVE EXIST. CONCRETE RAMP.
D53	DEMO CONCRETE TOPPING, TO ITS ENTIRETY. PREPARE FOR NEW FINISH.
D54	REMOVE EXIST. CONCRETE STEP.
D55	REMOVE EXIST. WALL TO EXTENTS SHOWN AND PREPARE FOR NEW WORK. SEE DOOR SCHEDULE.
D67	REMOVE EXIST. WALL TO EXTENTS SHOWN AND PREPARE FOR NEW WORK. SEE WINDOW SCHEDULE.
D68	REMOVE EXIST. STAIRCASE IN ITS ENTIRETY. SURFACE CUTS TO SLAB FINISH PREPARE FOR NEW WORK.
D69	REMOVE EXIST. BRICK FACADE IN ITS ENTIRETY.



Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-845-3446 fax

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SEAL: ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER II — 6607-A — STATE OF MARYLAND — 7/14/2025
DATE : JULY 14, 2025

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:

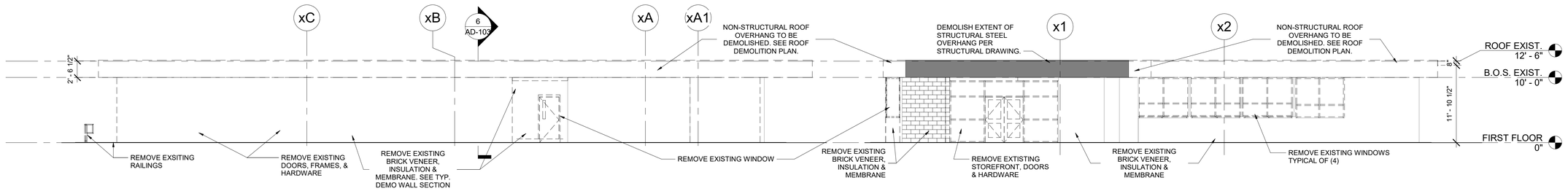
DGN BY: JAT
DWN BY: DWG/AWU
CHKD BY: RLM

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT | DRAWING SCALE | PROPERTY MANAGEMENT
R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29 | PLAN SCALE: As indicated. | APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX | PROFILE SCALE: | DATE:

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

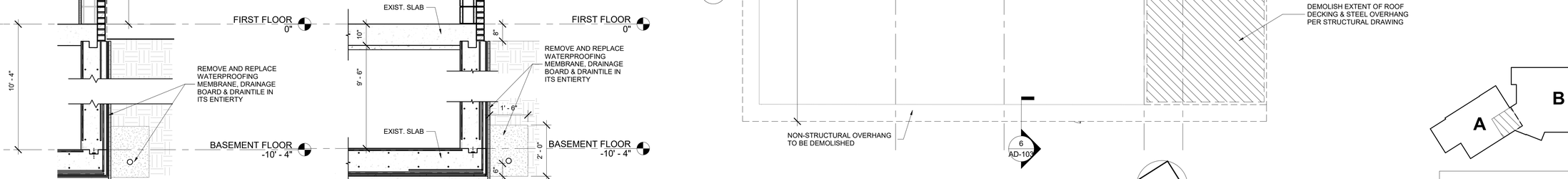
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
DEMOLITION FLOOR PLANS
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
AD-102	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 76 OF 295
	DRAWING NUMBER
	2025-0967
	FILE NO.: 8 REV: 03/22



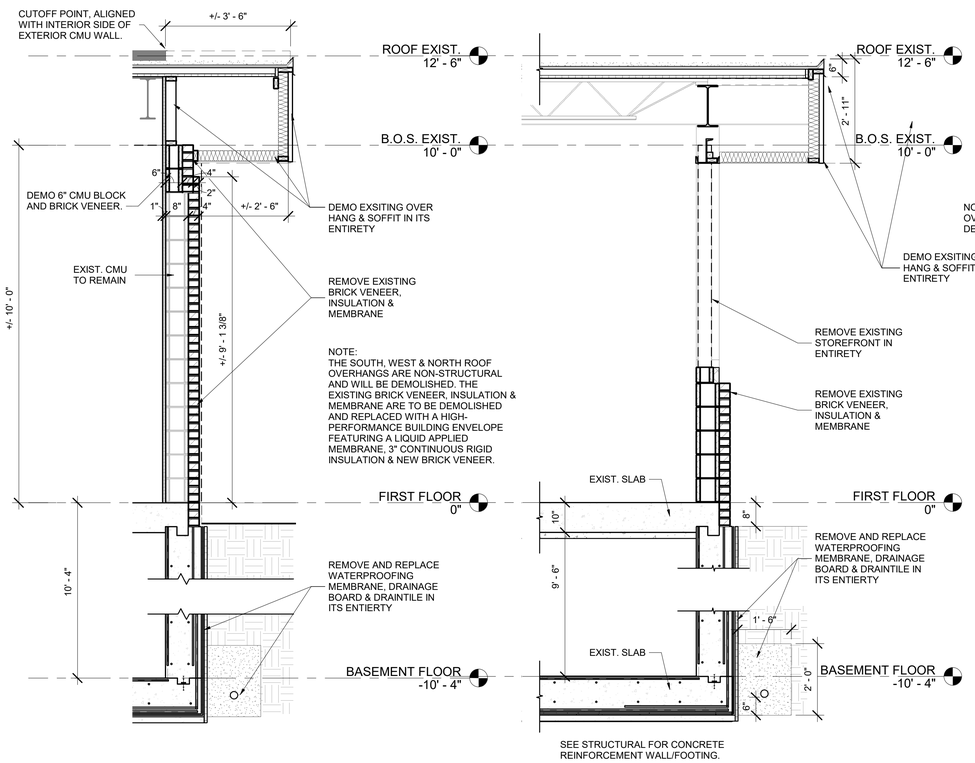
4 SOUTH ELEVATION @ HOLDING & SUPPORT & SALLY PORT - DEMO
1/8" = 1'-0"

1 EAST ELEVATION @ OFFICES - DEMO
1/8" = 1'-0"



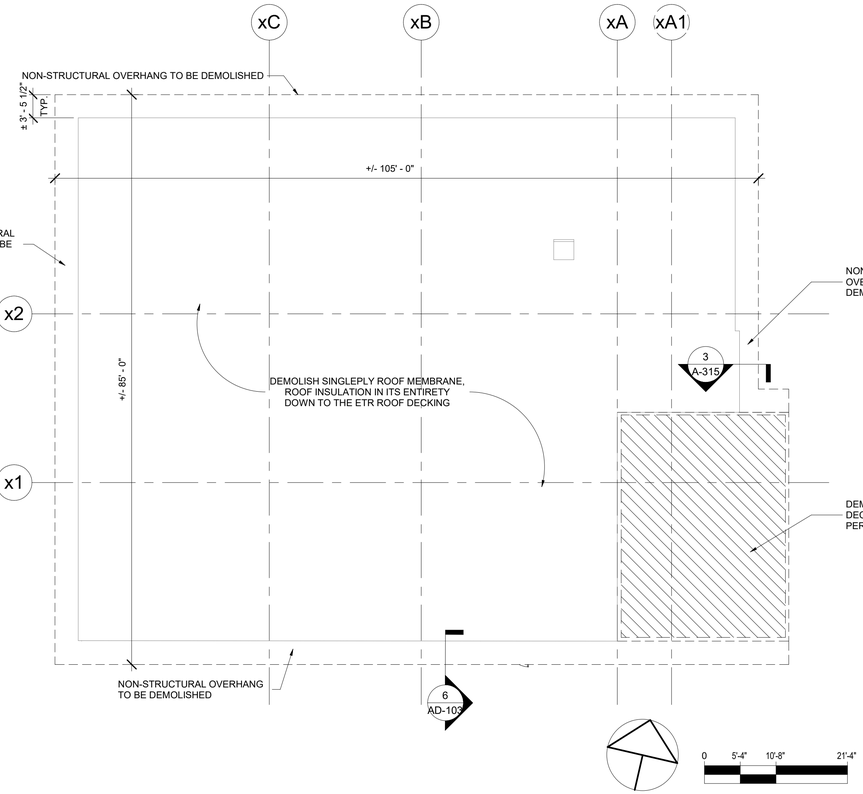
3 NORTH ELEVATION @ HOLDING & SUPPORT & SALLY PORT - DEMO
1/8" = 1'-0"

5 WEST ELEVATION @ HOLDING & SUPPORT & SALLY PORT - DEMO
1/8" = 1'-0"



6 WALL SECTION - EXISTING, TO BE DEMOLISHED
1/2" = 1'-0"

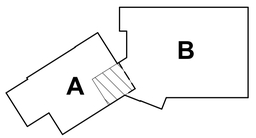
7 WALL SECTION - EXISTING - INTERIOR ENVELOPE IMPROVEMENT1
1/2" = 1'-0"



2 ROOF DEMOLITION PLAN
3/32" = 1'-0"

GENERAL DEMOLITION NOTES

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY: DATE:

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

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ROOF & EXTERIOR ELEVATIONS DEMOLITION

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

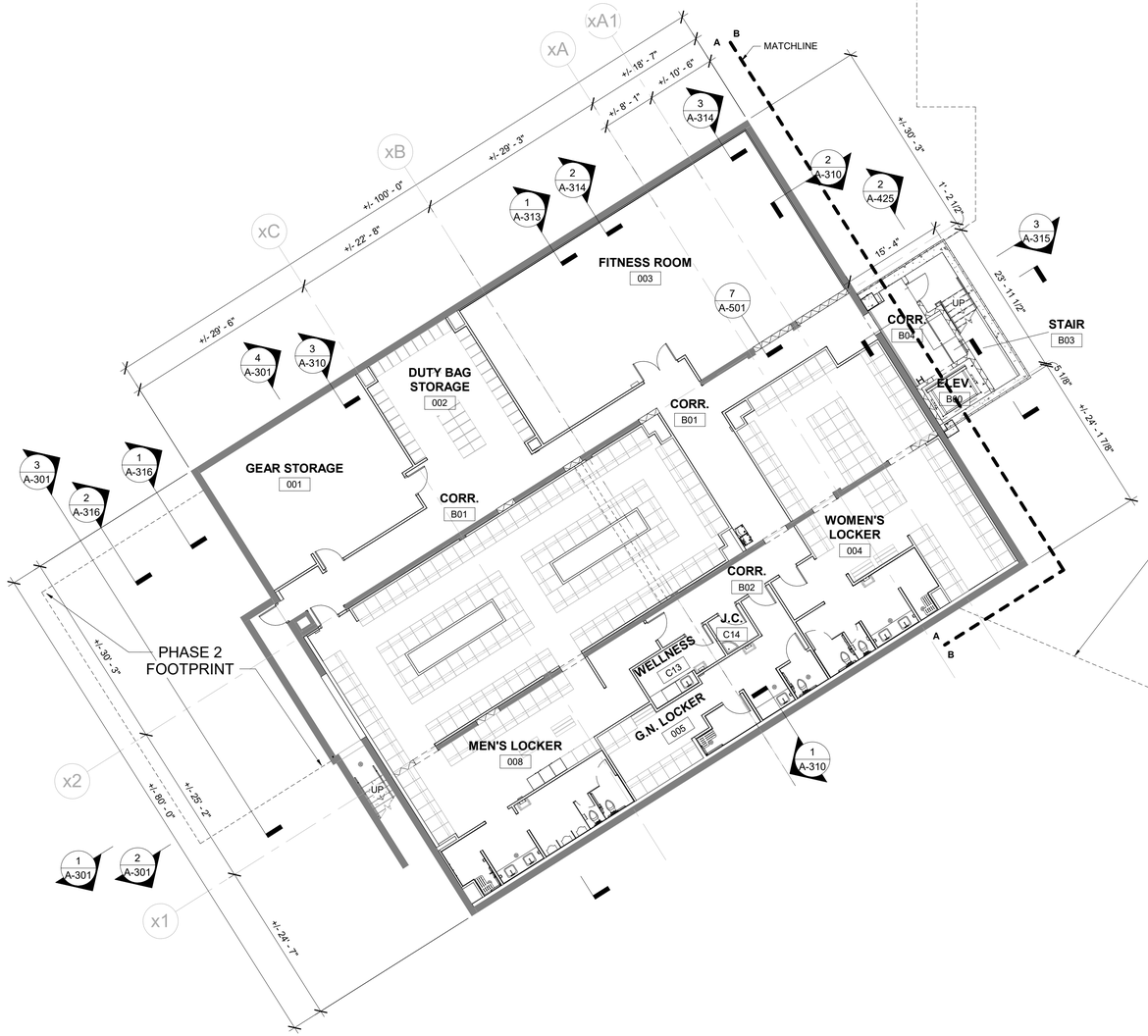
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
AD-103	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 77 OF 295
	DRAWING NUMBER
	2025-0968
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 BASEMENT FLOOR PLAN
3/32" = 1'-0"

WALL LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

NEW WALL CONSTRUCTION

0 5'-4" 10'-8" 21'-4"

GENERAL PLAN NOTES:

1. DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS NOTED OTHERWISE.
2. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS NOTED OTHERWISE.
3. ALIGN FACE OF WALLS WITH FACE OF COLUMN WRAPS, WHERE POSSIBLE, UNLESS NOTED OTHERWISE.
4. WHERE GWB WALLS WITH DIFFERENT THICKNESS/LAYERS ADJOIN IN SAME PLANE, ALIGN FINISH FACE OF GWB.
5. REFER TO SHEET A6.08 FOR INTERIOR PARTITION TYPE CONSTRUCTION INFORMATION, TYP.
6. WHERE GWB WALLS ABUT MASONRY WALLS, PROVIDE GWB CASING BEAD AND SEALANT, TYP.
7. REFER TO FINISH PLANS FOR FLOOR MATERIAL TRANSITIONS NOT OCCURRING AT DOORS AND FOR FLOOR PATTERNS, TYP.
8. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISHES PRIOR TO INSTALLATION.

DWG FILENAME: C:\Users\dwg\Documents\23139A1 - BC OC Essex Police Station DD_dwgQZAN8.rvt

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4974 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-101	25022 PP0

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 2025

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

ARCHITECT: Frank Elwood Dittenhafer, II
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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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

BASEMENT PLAN

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER	PROJ-10000636
SHEET 78 OF 295	
DRAWING NUMBER	2025-0969
FILE NO.: 8	REV 23.02



1 FIRST FLOOR PLAN
3/32" = 1'-0"

GENERAL PLAN NOTES:

1. DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS NOTED OTHERWISE.
2. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS NOTED OTHERWISE.
3. ALIGN FACE OF WALLS WITH FACE OF COLUMN WRAPS, WHERE POSSIBLE, UNLESS NOTED OTHERWISE.
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8. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISHES PRIOR TO INSTALLATION.

WALL LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN

NEW WALL CONSTRUCTION

0 5'-4" 10'-8" 21'-4"

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SEAL

ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 6607-A — 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

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

226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-843-2448 fax

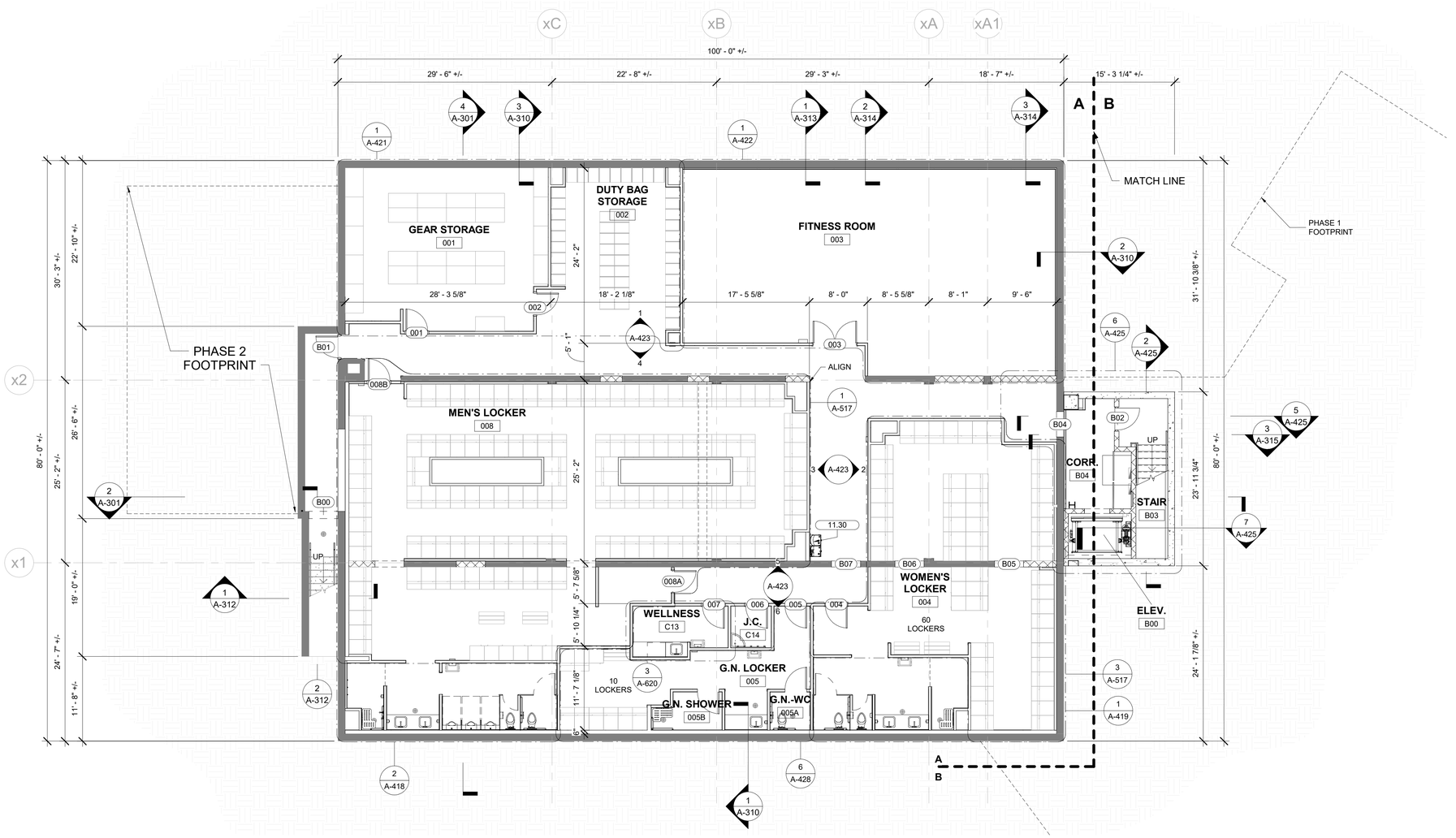
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SHEET DESIGNATION	CONTRACT NUMBER
A-102	25022 PP0

BALTIMORE COUNTY MARYLAND

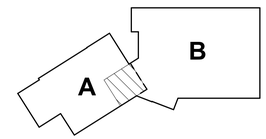
JOB ORDER NUMBER
PROJ-10000636
SHEET 79 OF 295
DRAWING NUMBER
2025-0970
FILE NO.: 8 REV. 10/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
11.30	ELECTRIC WATER COOLER.



1 ENLARGED BASEMENT PLAN
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"



Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4574 fax
226 West Market Street, York, Pennsylvania 17401
717-848-8827 voice 717-845-2446 fax

DWG. FILENAME: C:\Users\dwg\Documents\2212\9A1 - BC OC Essex Police Station DD_dwgQZA1N8.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-103	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 80 OF 295
	DRAWING NUMBER
	2025-0971
	FILE NO.: 8 REV: 03/03

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 2025

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.
R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED BASEMENT PLAN

RENOVATION & ADDITION

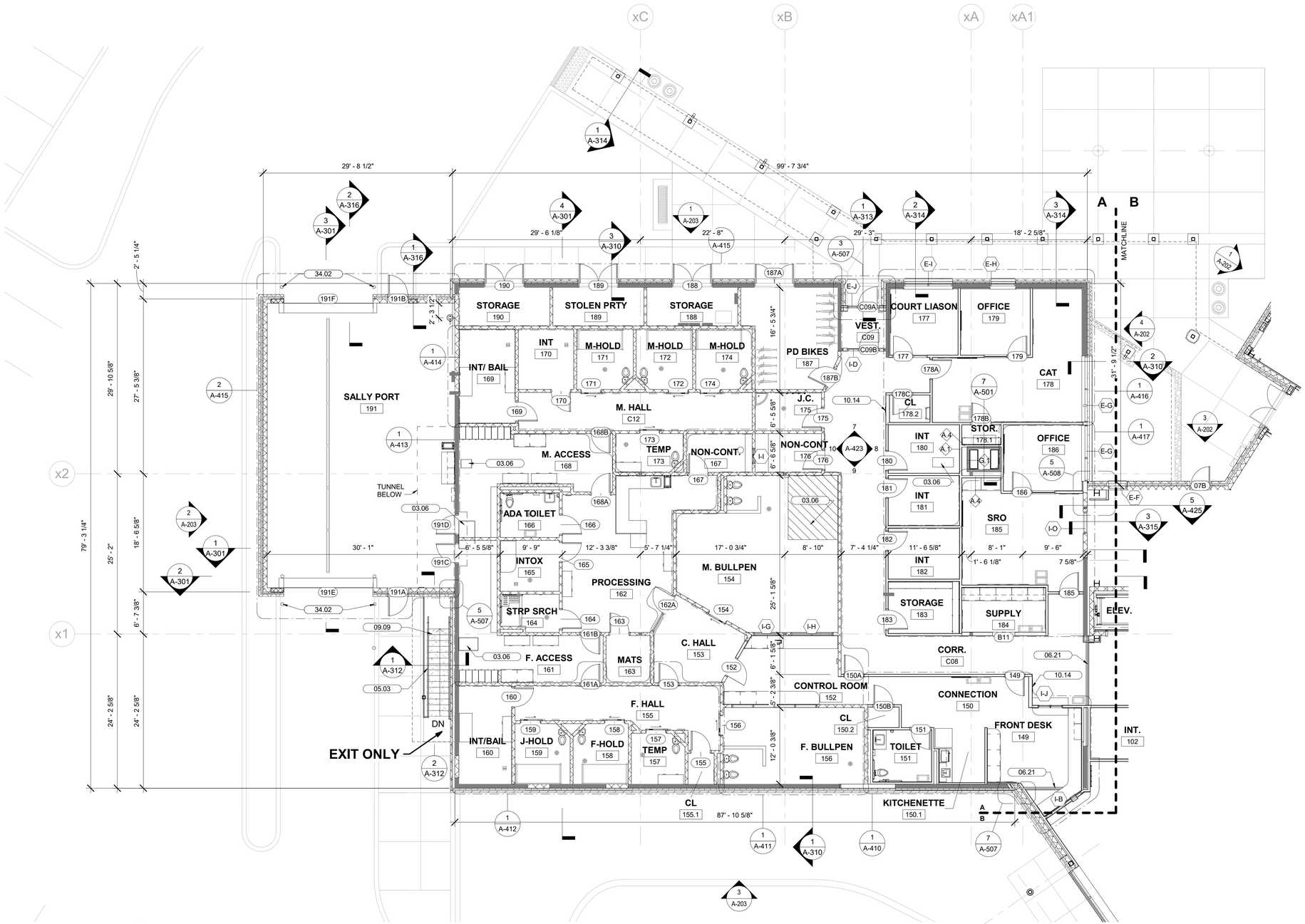
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

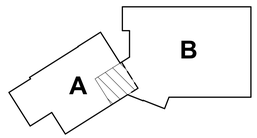
KEYNOTE LEGEND	
TAG	DESCRIPTION
03.06	PATCH FLOOR OPENING, SEE STRUCTURAL.
05.03	ALUM. WALL MOUNTED RAILING WITH BRACKETS.
06.21	2" FLOOR EXPANSION JOINT COVER PLATE.
09.09	REPLACE STAIR TREAD FINISH.
10.14	6 COMPARTMENT PISTOL LOCKER - FLUSH.
34.02	BOLLARD.



1 FIRST FLOOR - ENLARGED PLAN PART A
1/8" = 1'-0"

GENERAL PLAN NOTES:

1. DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS NOTED OTHERWISE.
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5. REFER TO SHEET A6.08 FOR INTERIOR PARTITION TYPE CONSTRUCTION INFORMATION, TYP.
6. WHERE GWB WALLS ABUT MASONRY WALLS, PROVIDE GWB CASING BEAD AND SEALANT, TYP,
7. REFER TO FINISH PLANS FOR FLOOR MATERIAL TRANSITIONS NOT OCCURRING AT DOORS AND FOR FLOOR PATTERNS, TYP.
8. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISHES PRIOR TO INSTALLATION.



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Murphy & Dittenhafer ARCHITECTS
305 Wells Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4574 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-3446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-104	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 81 OF 295
	DRAWING NUMBER
	2025-0972
	FILE NO.: 8

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025
DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED FIRST FLOOR PLAN - PART A

RENOVATION & ADDITION

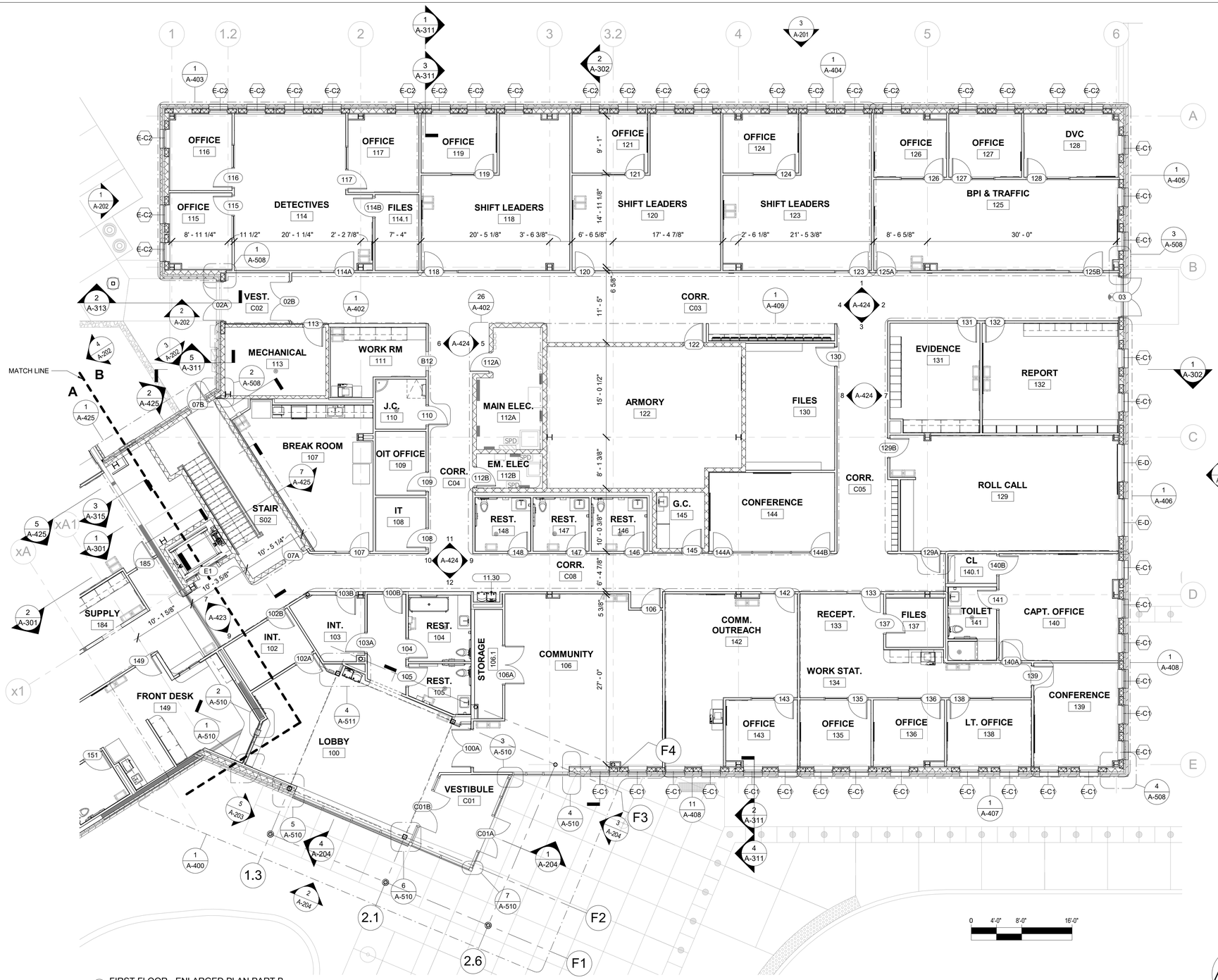
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

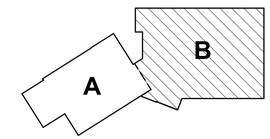
KEYNOTE LEGEND	
TAG	DESCRIPTION
11.30	ELECTRIC WATER COOLER.



1 FIRST FLOOR - ENLARGED PLAN PART B
1/8" = 1'-0"

GENERAL PLAN NOTES:

1. DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS NOTED OTHERWISE.
2. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS NOTED OTHERWISE.
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8. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISHES PRIOR TO INSTALLATION.



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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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 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:	CHKD BY: RLM	DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	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

ESSEX POLICE PRECINCT - 11

ENLARGED FIRST FLOOR PLAN - PART B

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
609 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-430-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-105	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 82 OF 295
	DRAWING NUMBER
	2025-0973
	FILE NO.: 8

DWG. FILENAME:

DEDUCT ALTERNATE #1: DELETES THE STAFF ENTRANCE CANOPY IN ITS ENTIRETY INCLUDING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL COMPONENTS.

PHOTOVOLTAIC PANELS
9,000 SF
PROVIDE CLEARANCE FOR ALL ROOF PENETRATIONS, TYP.

TAPERED INSUL CRICKET, TYP.

LIGHT BOX ROOF

OPEN TO SKY

PHOTOVOLTAIC PANELS, 1,000 SF

MATCHLINE

1 ROOF PLAN
3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"

Murphy & Dittenhafer ARCHITECTS

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

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DWG FILENAME: C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQCANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025
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DATE:

DGN BY: JAT
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CHKD BY: RLM

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: 3/32" = 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

ESSEX POLICE PRECINCT - 11

ROOF PLAN

RENOVATION & ADDITION

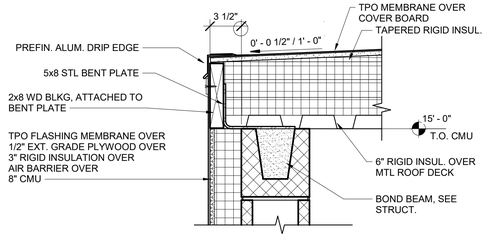
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

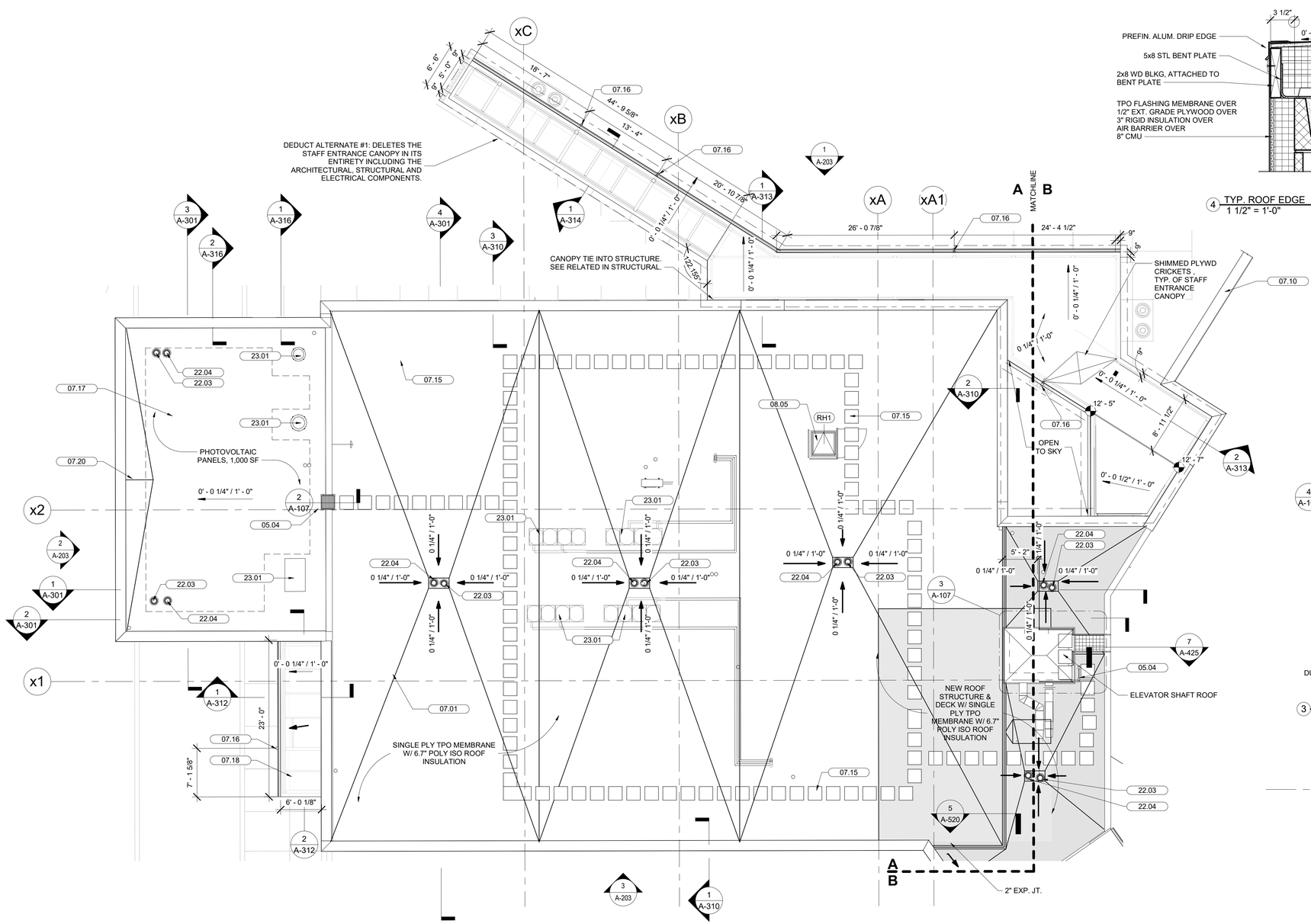
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-106	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 83 OF 295
	DRAWING NUMBER
	2025-0974
	FILE NO.: 8 REV. 03/22

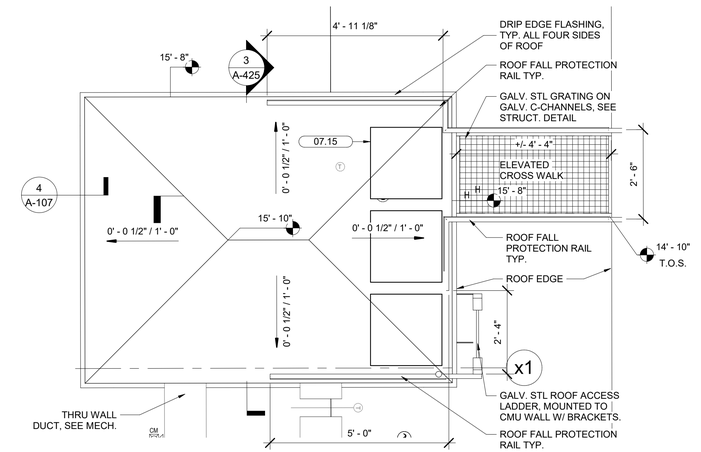
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.04	ALUM. ACCESS LADDER, PARAPET TRANSITION
07.10	PARAPET CAP FLASHING, SEE WALL SECTION.
07.15	ADHERED WALK PAD TYP.
07.16	PREFINSIHED ALUM BOX GUTTER & DOWNSPOUT.
22.03	ROOF DRAIN.
22.04	OVERFLOW ROOF DRAIN.
23.01	MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.



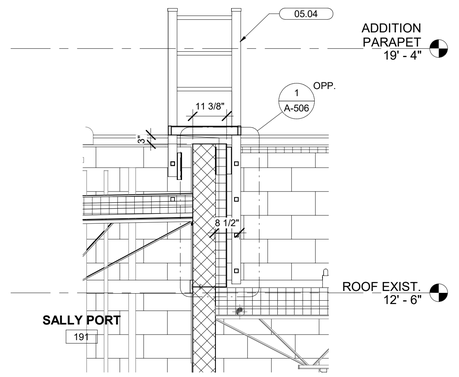
4 TYP. ROOF EDGE DETAIL @ ELEVATOR SHAFT
1 1/2" = 1'-0"



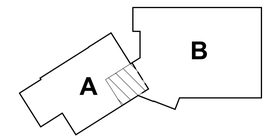
1 ENLARGED ROOF PLAN - PART A
1/8" = 1'-0"



3 ENLARGED ROOF PLAN - PART A - ELEV. SHAFT
1/2" = 1'-0"



2 LADDER DETAIL - PARAPET LADDER - SALLY PORT
1/2" = 1'-0"



KEY PLAN - WING A - TEMP

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQZANS.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-107	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 84 OF 295
	DRAWING NUMBER
	2025-0975
	FILE NO.: 8 REV. 10/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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.					R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	As indicated	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

ESSEX POLICE PRECINCT - 11

ENLARGED ROOF PLAN & DETAILS - PART A

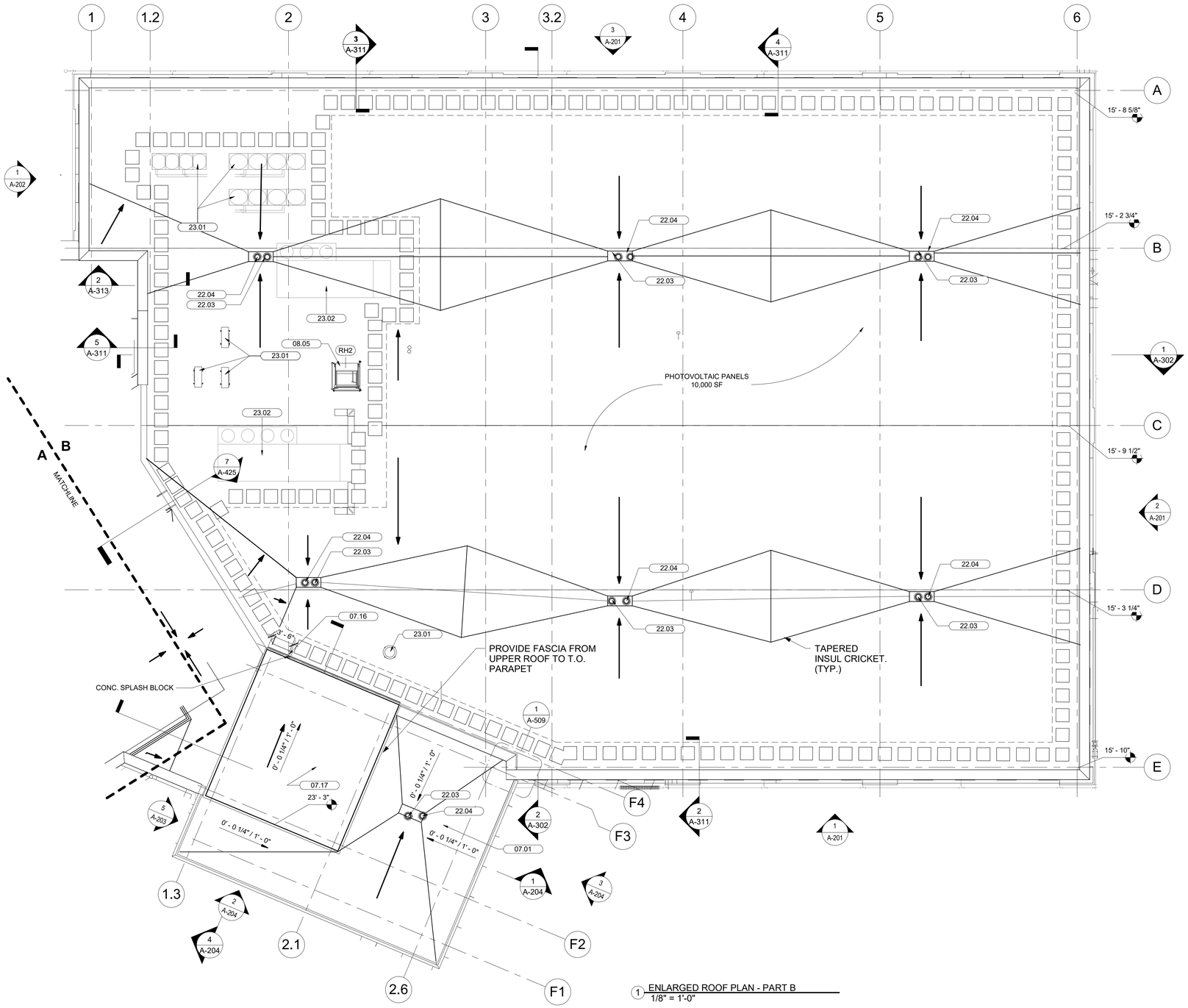
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

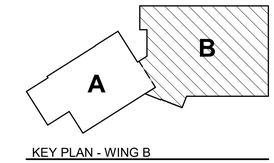
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



1 ENLARGED ROOF PLAN - PART B
1/8" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
07.16	PREFINSIHED ALUM BOX GUTTER & DOWNSPOUT.
07.17	TPO SINGLE-PLY MEMBRANE ROOF POLYISO INSULATION (R-38 MIN.) OVER 1 1/2" METAL DECK, SLOPES W/ STRUCTURE
08.05	ROOF ACCESS HATCH & ALUM LADDER.
22.03	ROOF DRAIN.
22.04	OVERFLOW ROOF DRAIN.
23.01	MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.
23.02	PROPOSED DOAS UNIT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.



KEY PLAN - WING B

DWG FILENAME: C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQZ.rvt

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2448 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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
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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED ROOF PLAN & DETAILS - PART B

RENOVATION & ADDITION

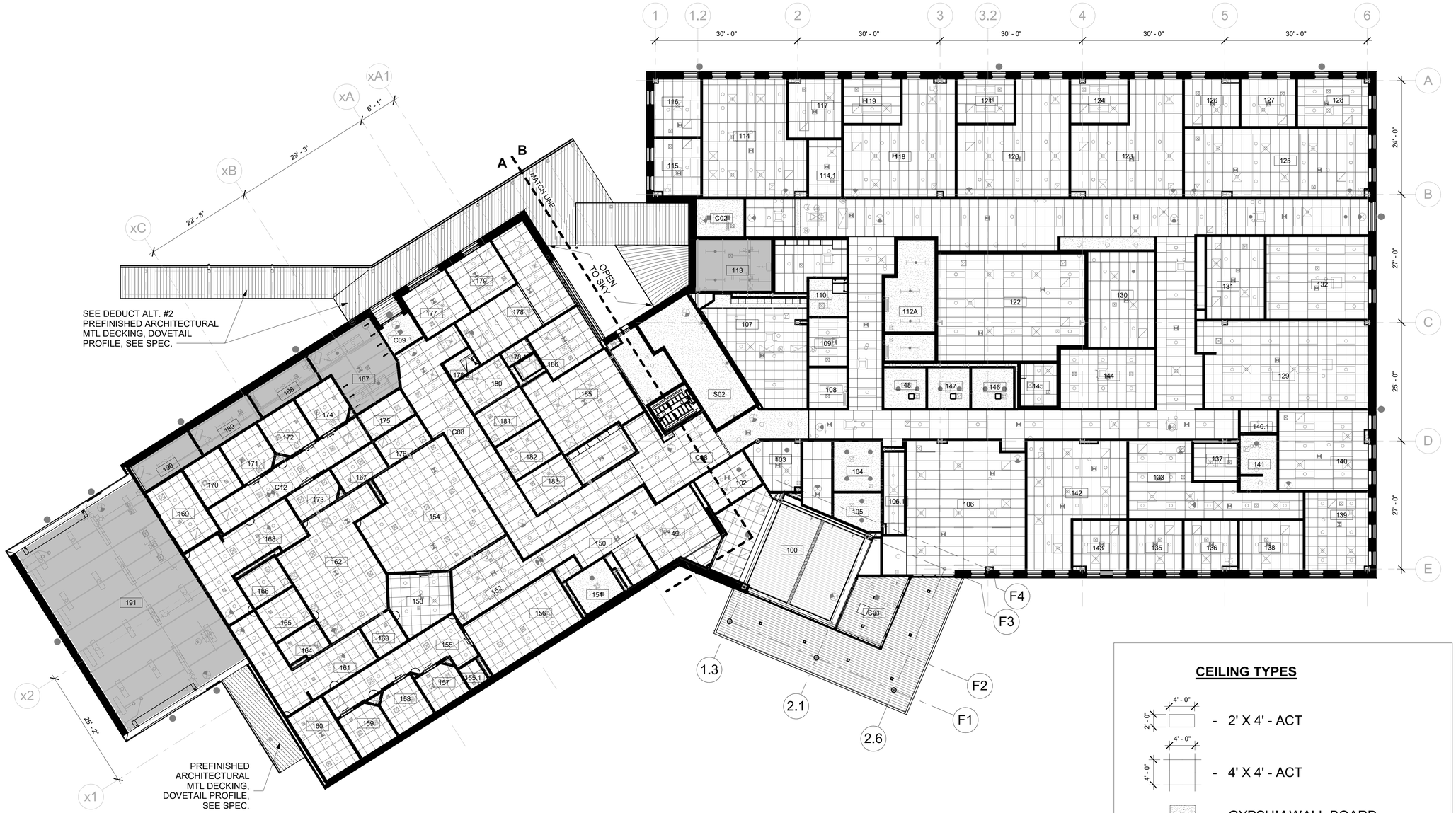
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-108	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 85 OF 295
	DRAWING NUMBER
	2025-0976
	FILE NO.: 8 REV 2022

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR REFLECTED CEILING PLAN
3/32" = 1'-0"

0 4'-0" 8'-0" 16'-0"

CEILING TYPES

- 2' X 4' - ACT
- 4' X 4' - ACT
- GYPSUM WALL BOARD
- PAINTED EXPOSED CEILING
- SOLID WD DECKING & WD LOOK SOFFIT

NOTE: CEILNG TYPES & A.F.F. ELEVATIONS ARE PROVIDED ON ENLARGED CEILING PLANS

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION
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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

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	
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	As indicated
			PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

OVERALL FIRST FLOOR RCP

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

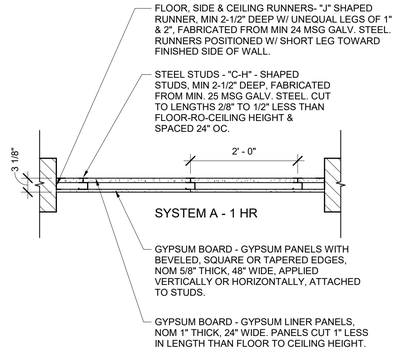
ELECTION DIST. NO.: 15C7

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 717-846-6627 voice 717-845-2446 fax

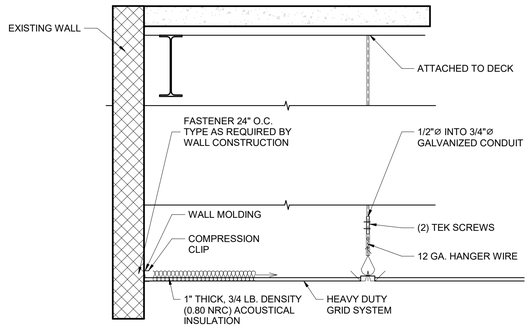
SHEET DESIGNATION	CONTRACT NUMBER
A-109	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 86 OF 295
	DRAWING NUMBER
	2025-0977
	FILE NO.: 8 REV. 09/22

BALTIMORE COUNTY MARYLAND

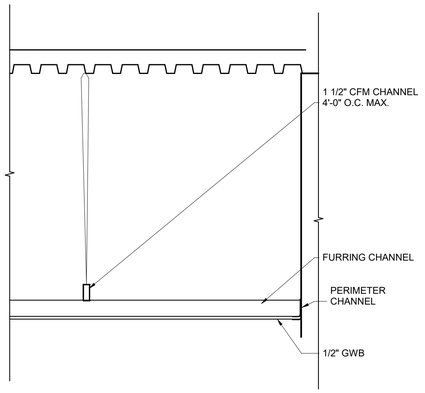
DWG FILENAME: C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQANS.rvt



4 DETAIL - 1 HR RATED CEILING - UL415 A
3/4" = 1'-0"

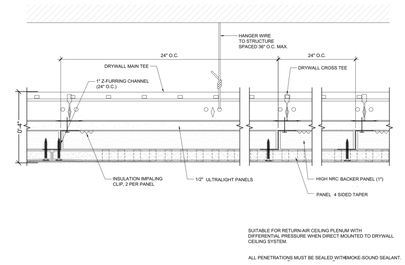


5 TYPICAL CEILING DETAIL - ACT-5
3/4" = 1'-0"

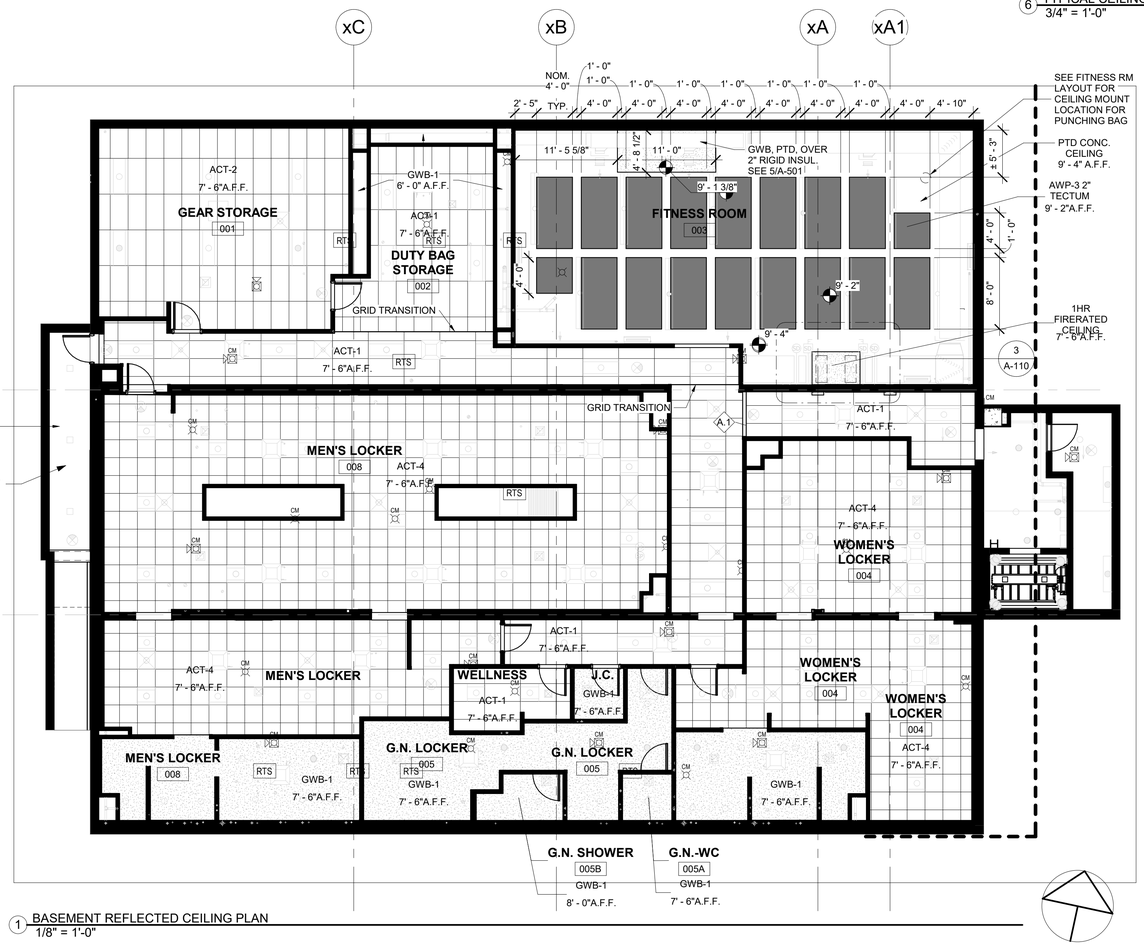


6 TYPICAL CEILING DETAIL - SUSPENDED GWB
3/4" = 1'-0"

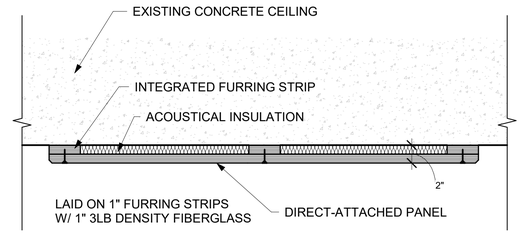
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.17.01	PT-1.



7 TYPICAL CEILING DETAIL - ACOUSTICAL TILE CEILING
3" = 1'-0"



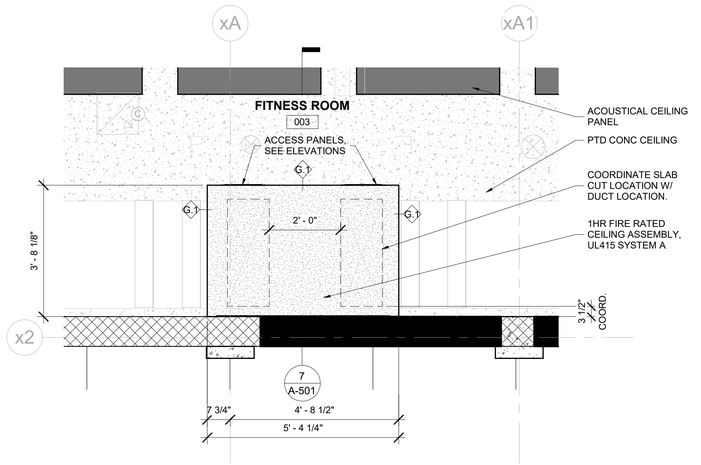
1 BASEMENT REFLECTED CEILING PLAN
1/8" = 1'-0"



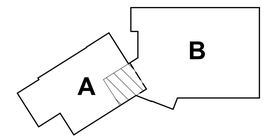
2 TYPICAL CEILING DETAIL - AWP-3 DIRECT ATTACHED TECTUM CEILING PANELS
1 1/2" = 1'-0"

CEILING TYPES

- 2' X 2' - ACT
- 2' X 4' - ACT
- AWP 3 - 2" TECTUM PANEL
- GWB CEILING



3 FIRE RATED CEILING & EXISTING FLOOR PENETRATION
1/2" = 1'-0"



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Murphy & Dittenhafer ARCHITECTS
609 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2446 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-110	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 87 OF 295
	DRAWING NUMBER
	2025-0978
	FILE NO.: 8 REV. 03/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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
BY: DATE:

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

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28 7NE29 8NE28 8NE29 | DRAWING SCALE: PLAN SCALE: As indicated, PROFILE SCALE:
CONTRACT COMPLETION BOX

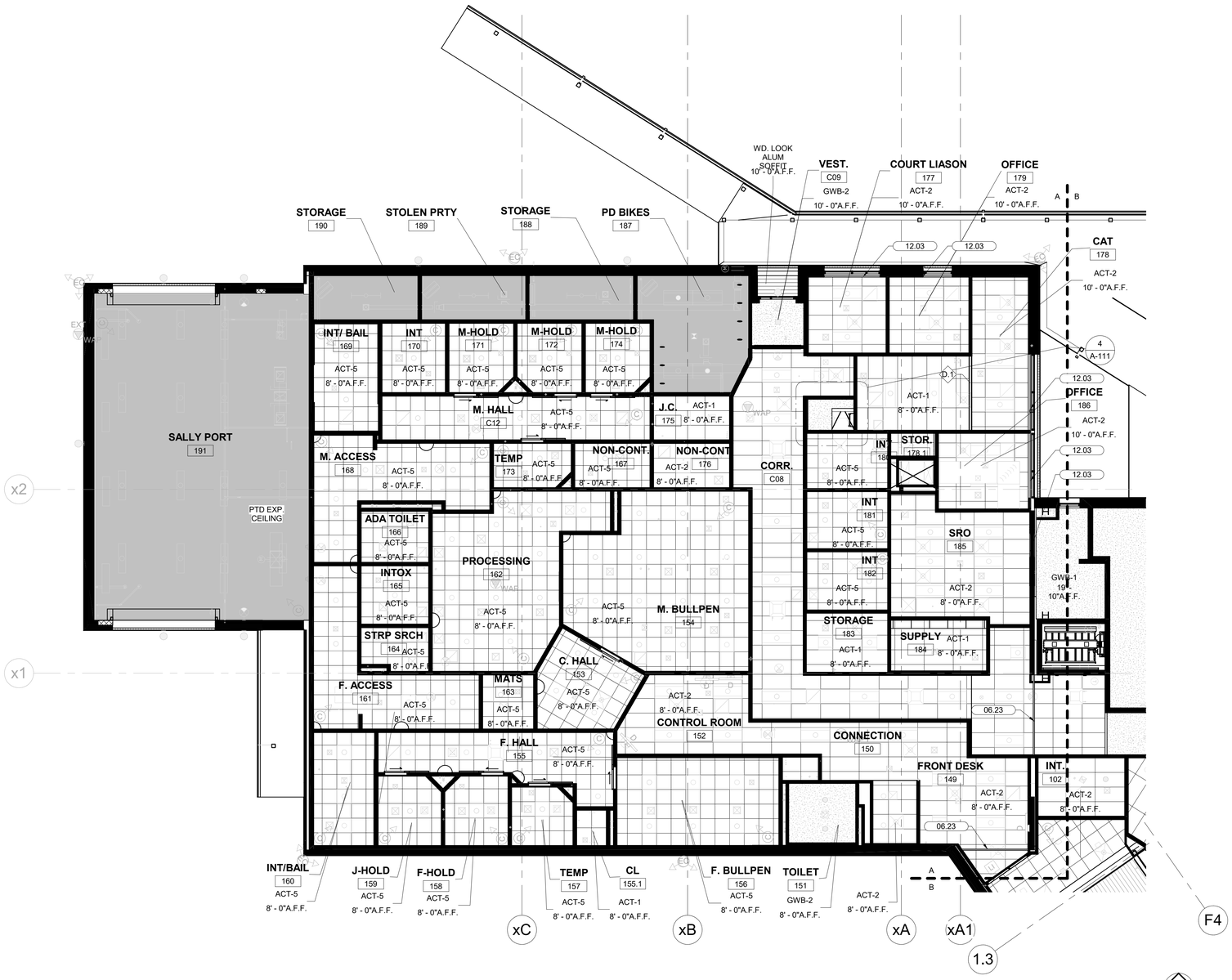
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

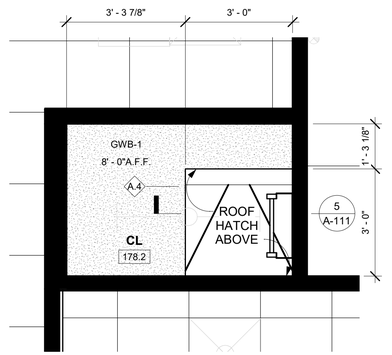
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ENLARGED BASEMENT RCP
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

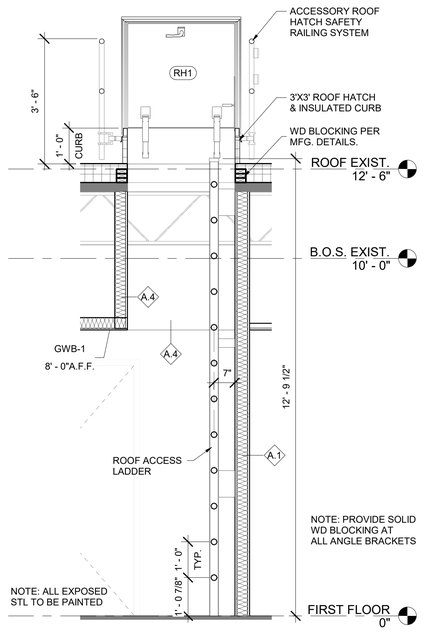
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.23	2" CEILING EXPANSION JOINT COVER PLATE.
12.03	TYP. MANUAL RECESSED ROLLER SHADE (RS-1).



1 FIRST FLOOR REFLECTED CEILING PLAN - WING A
1/8" = 1'-0"



4 ROOF HATCH - CL. 178.2 - WING A
1/2" = 1'-0"



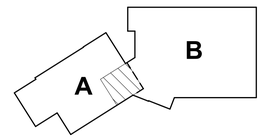
5 ROOF HATCH & LADDER - WING A - DETAIL
1/2" = 1'-0"

CEILING TYPES

REFER TO SPECIFICATION FOR ALL ACT TYPES



- 2' X 4' - ACT
- GYPSUM WALL BOARD
- PAINTED EXPOSED CEILING
- STAINED EXPOSED SOLID WD DECKING
- ALUM. WD LOOK SOFFIT OR CEILING



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 717-848-8827 voice 717-845-2446 fax

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SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 2025

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. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28 7NE29 8NE28 8NE29

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
ESSEX POLICE PRECINCT - 11
ENLARGED FIRST FLOOR RCP - PART A
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-111	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
SHEET 88 OF 295	
	DRAWING NUMBER
	2025-0979
FILE NO.: 8	REV. 03/03

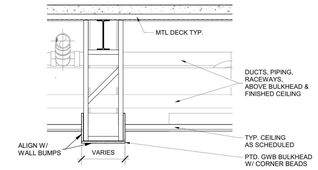
BALTIMORE COUNTY MARYLAND



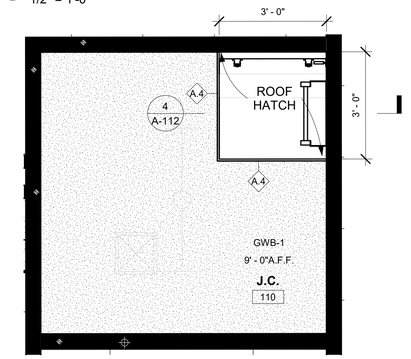
1 FIRST FLOOR REFLECTED CEILING PLAN - WING B
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

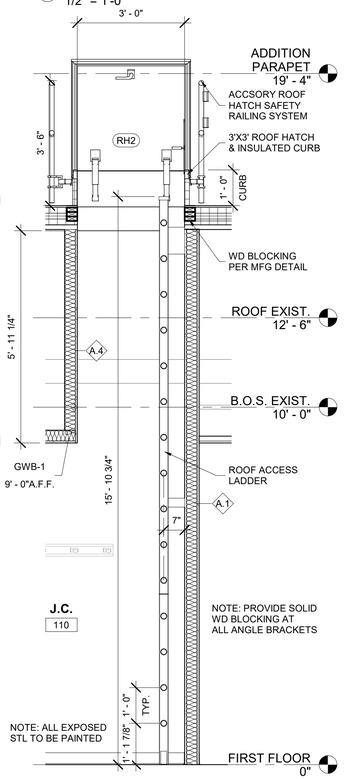
PROJECT NORTH



2 TYPICAL CEILING DETAIL - CORRIDOR BULKHEAD
1/2" = 1'-0"



3 ROOF HATCH - WING B
1/2" = 1'-0"

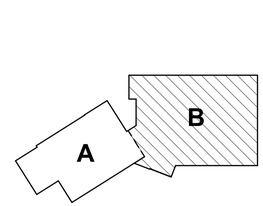


4 ROOF HATCH & LADDER - WING B - DETAIL
1/2" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.23	2" CEILING EXPANSION JOINT COVER PLATE.
12.03	TYP. MANUAL RECESSED ROLLER SHADE (RS-1) ALL EXTERIOR WINDOWS OF THE ROOM.
22.22	ACCESS PANEL, DRYWALL FLANGE 12"x12" COORDINATE LOCATION W/WATER SHUT OFF

CEILING TYPES

- 2' X 2' - ACT
- 2' X 4' - ACT
- 2' X 5' - ACT
- GYPSUM WALL BOARD
- PAINTED EXPOSED CEILING
- STAINED EXPOSED SOLID WD DECKING
- ALUM. WD LOOK SOFFIT OR CEILING



C:\Users\jat\Documents\22139A1 - BC OC Essex Police Station D3_jatDGZAVC.rvt

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401 717-848-8877 voice 717-843-2446 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE : JULY 14, 2025

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED FIRST FLOOR RCP - PART B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-112	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 89 OF 295
	DRAWING NUMBER
	2025-0980
	FILE NO.: 8 REV. 03/03

BALTIMORE COUNTY MARYLAND



1 ENLARGED RCP - LOBBY
1/2" = 1'-0"

C:\Users\dwg\Documents\22139\A1 - BC OC Essex Police Station DD_dwgQZANS.rvt

Murphy & Dittenhafer ARCHITECTS
826 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

DWG FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

LOBBY & VESTIBULE RCP

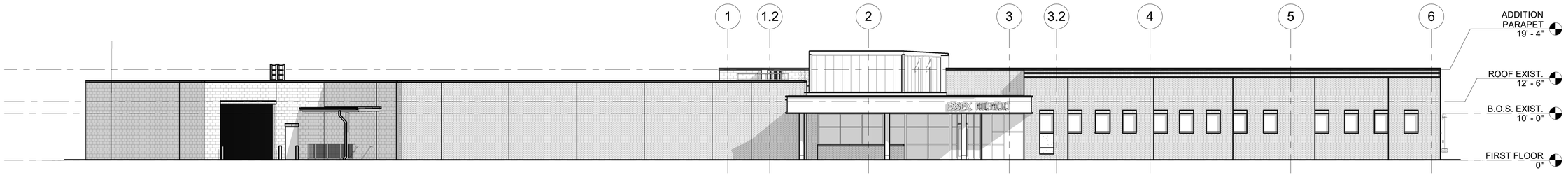
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

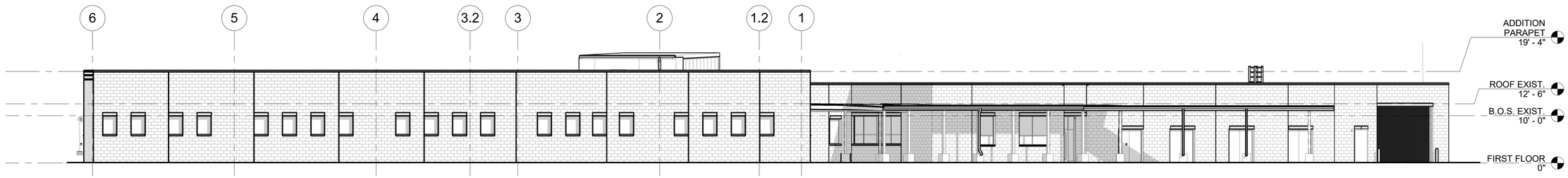
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-113	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 90 OF 295
	DRAWING NUMBER
	2025-0981
	FILE NO.: 8 REV. 03/22

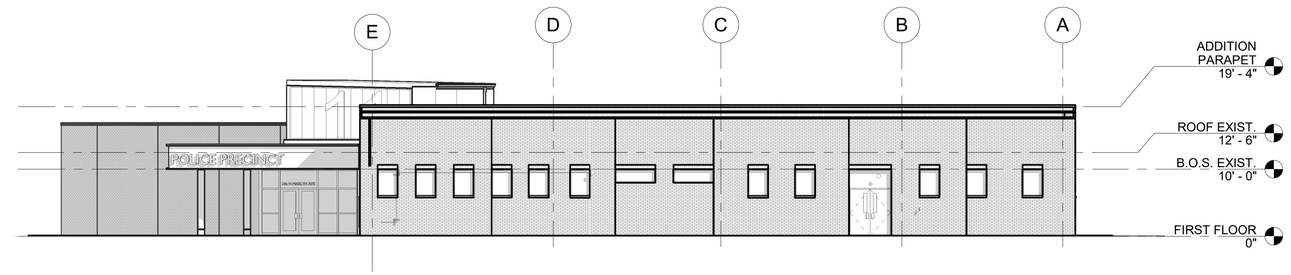


1 OVERALL SOUTH ELEVATION
3/32" = 1'-0"

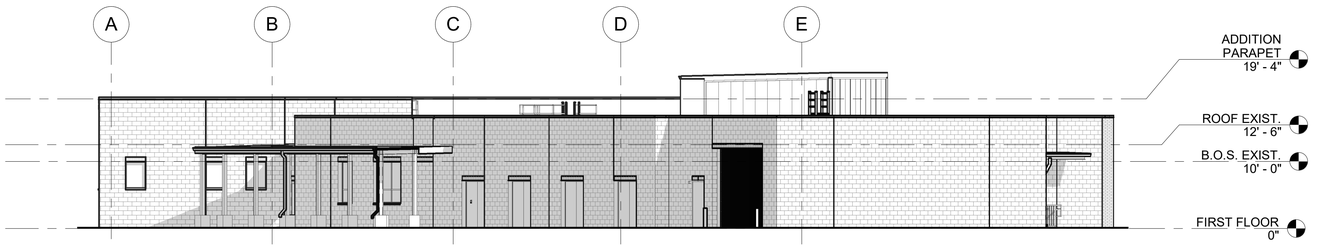


2 OVERALL NORTH ELEVATION
3/32" = 1'-0"

SEE ENLARGED ELVATION FOR NOTES



3 OVERALL EAST ELEVATION
3/32" = 1'-0"



4 OVERALL WEST ELEVATION
3/32" = 1'-0"

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DWG. FILENAME:

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 717-848-8827 voice 717-845-2486 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

DRAWING SCALE

PLAN SCALE: 3/32" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

OVERALL EXTERIOR ELEVATIONS

RENOVATION & ADDITION

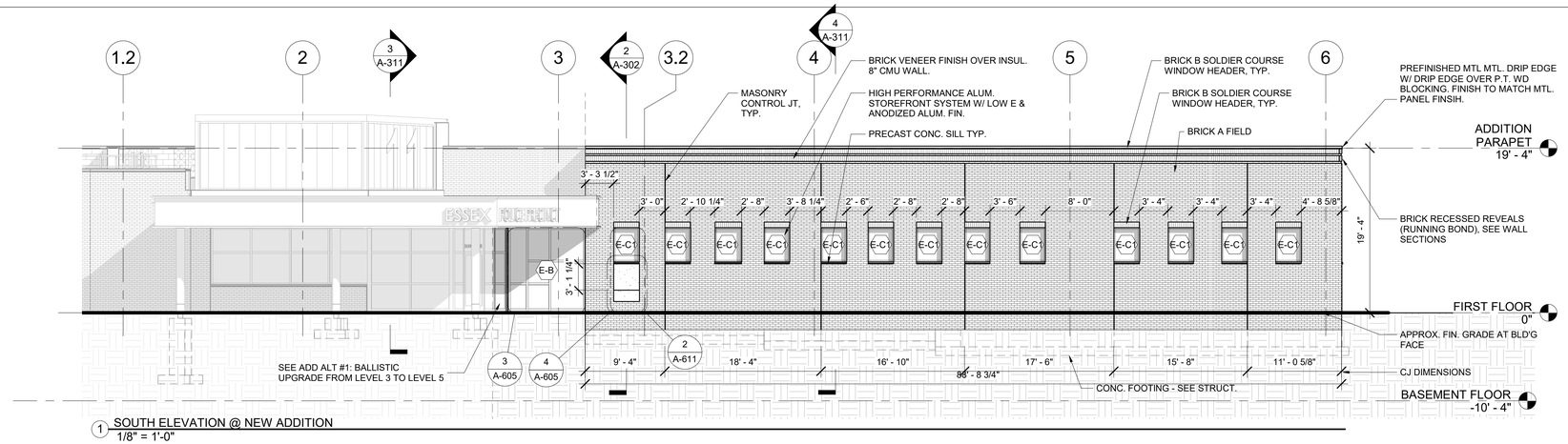
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

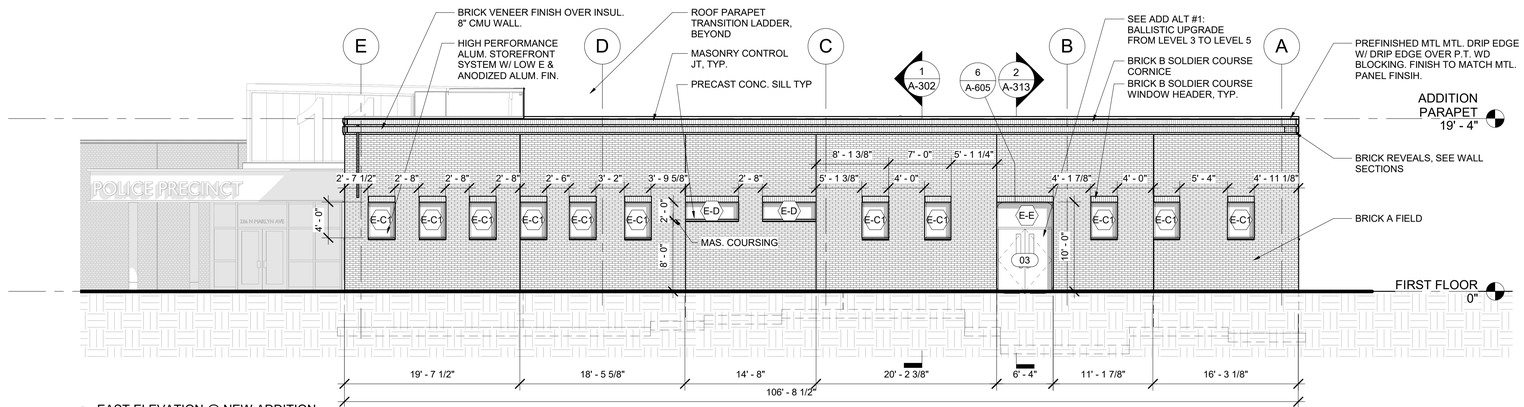
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

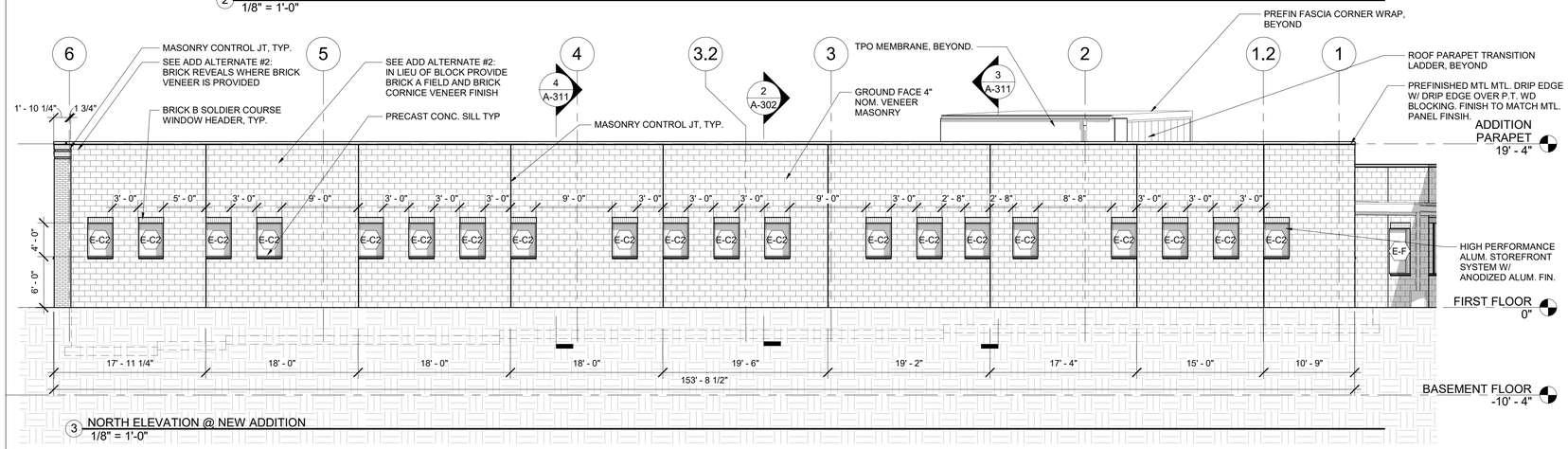
SHEET DESIGNATION	CONTRACT NUMBER
A-200	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 91 OF 295
	DRAWING NUMBER
	2025-0982
	FILE NO.: 8 REV: 03/03



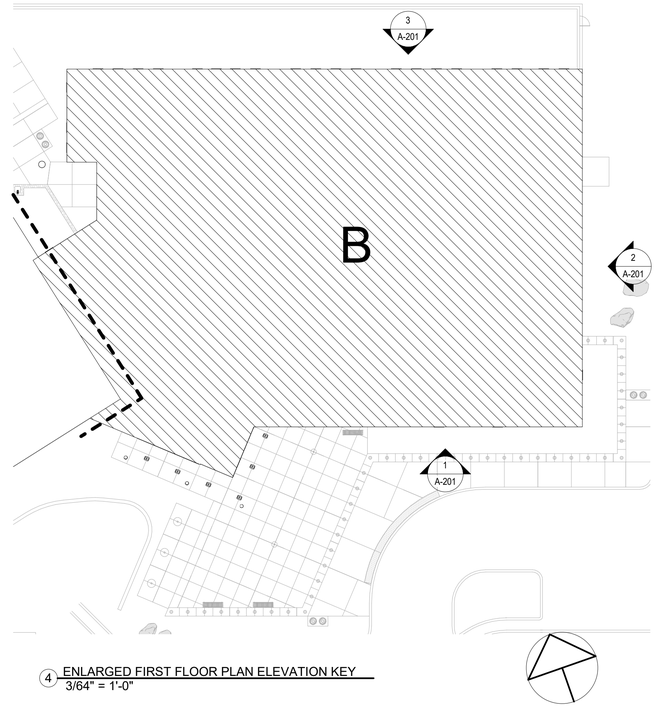
1 SOUTH ELEVATION @ NEW ADDITION
1/8" = 1'-0"



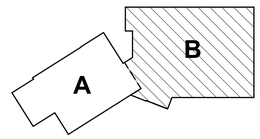
2 EAST ELEVATION @ NEW ADDITION
1/8" = 1'-0"



3 NORTH ELEVATION @ NEW ADDITION
1/8" = 1'-0"



4 ENLARGED FIRST FLOOR PLAN ELEVATION KEY
3/64" = 1'-0"



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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-845-2446 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD — FRANK ELWOOD DITTENHAFER, II — 6607-A — STATE OF MARYLAND — 7/14/2025
DATE: JULY 14, 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
BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED EXTERIOR ELEVATIONS

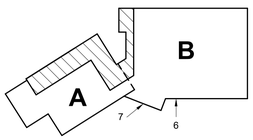
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

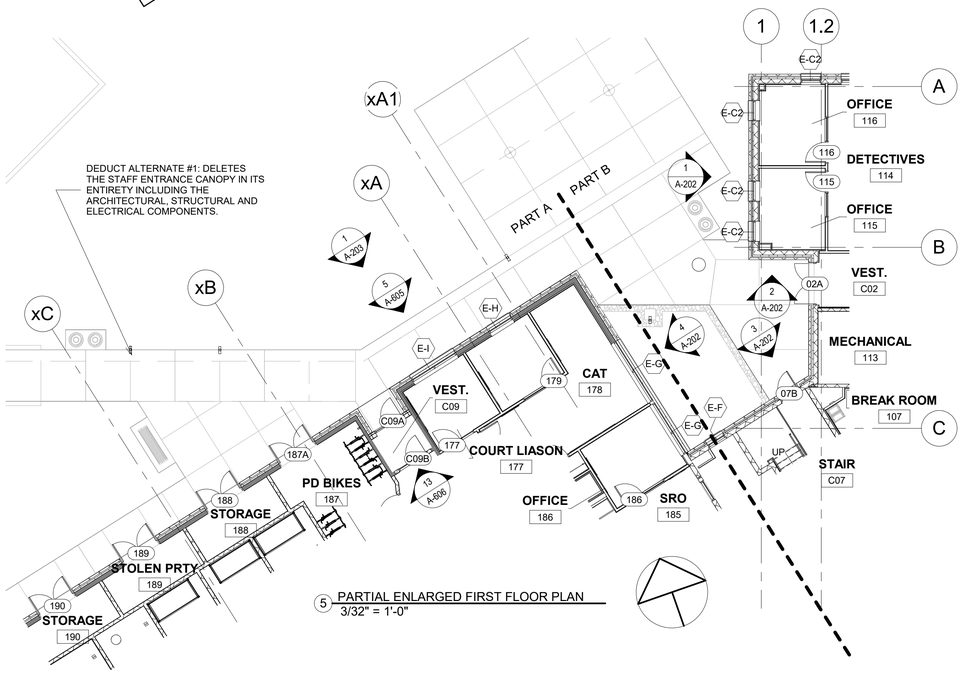
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-201	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 92 OF 295
	DRAWING NUMBER
	2025-0983
	FILE NO.: 8 REV. 03/22



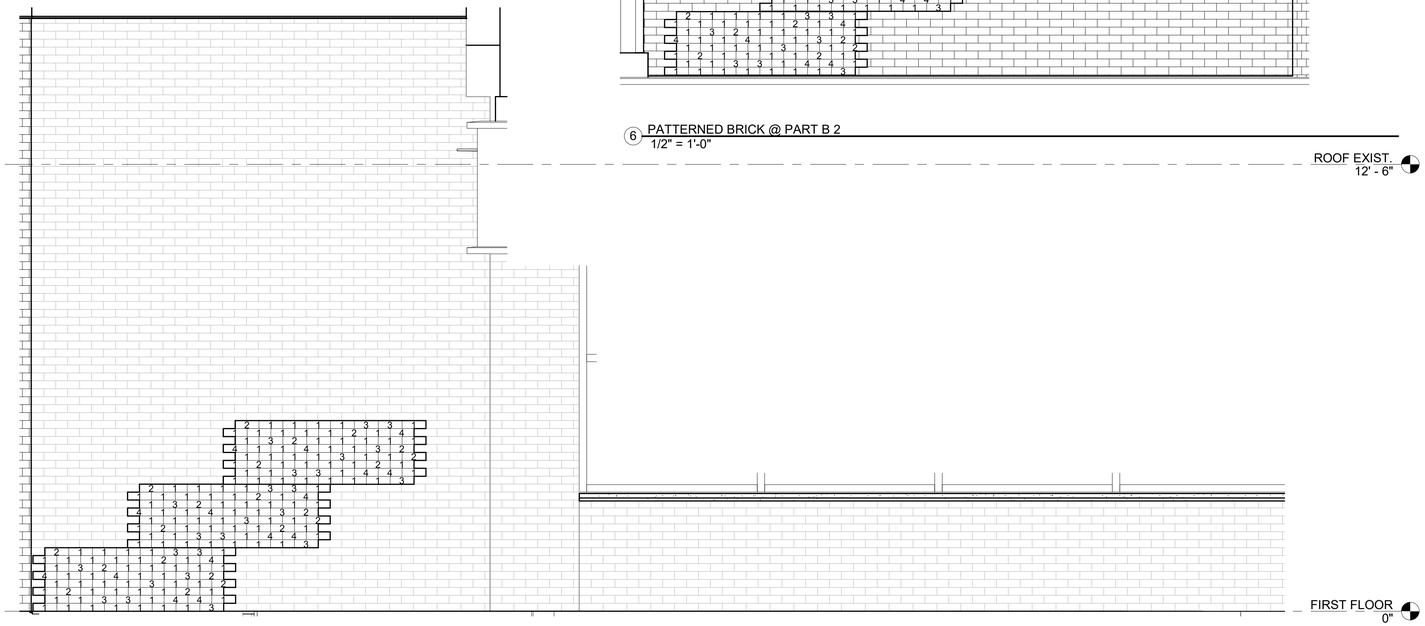
NOTE:
PROVIDE NEW EXTERIOR BREEZE WAY CANOPY
ON EXISTING BUILDING AND CONNECT TO THE NEW STAFF ENTRANCE
HSS STEEL FRAME WITH NON-INSULATED METAL DECK,
TPO ROOF MEMBRANE, GUTTERS & DOWNSPOUTS IN
STAB BOOTS. PROVIDE 12" PREFINISHED
FASCIA AND MTL. DRIP EDGE

DEDUCT ALTERNATE #1: DELETES THE STAFF ENTRANCE CANOPY IN ITS ENTIRETY INCLUDING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL COMPONENTS.



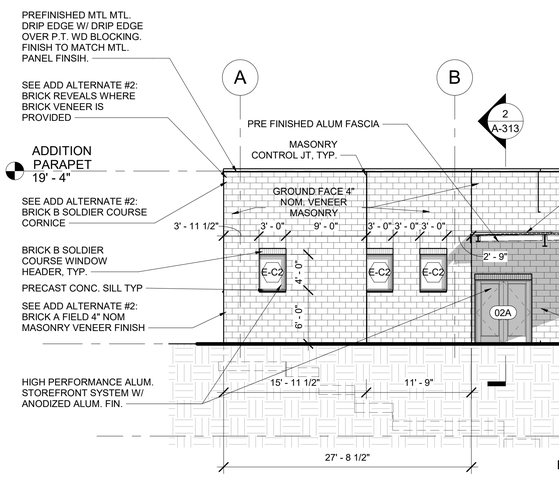
5 PARTIAL ENLARGED FIRST FLOOR PLAN
3/32" = 1'-0"

PATTERNED BRICK NOTES:
1. SEE A-204 FOR LOCATION OF THE PATTERNED BRICK.
2. SEE BRICK TYPES 1-4 IN THE SPECIFICATIONS.
3. PATTERN STARTS IN THE LOCATION INDICATED AND REPEATS VERT. AND HORZ. ACROSS THE BRICK AREA.

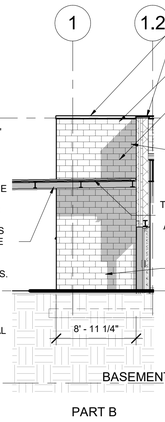


6 PATTERNED BRICK @ PART B 2
1/2" = 1'-0"

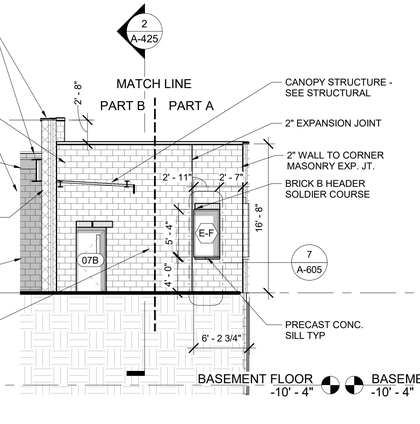
7 PATTERNED BRICK @ PART B 1
1/2" = 1'-0"



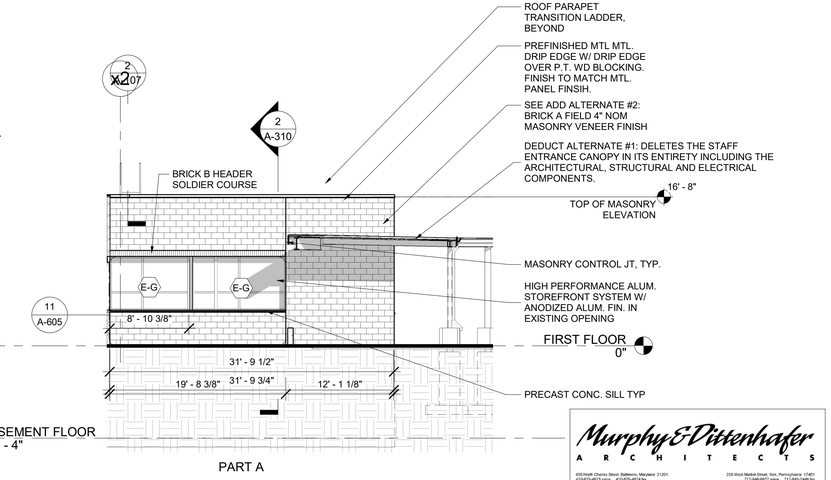
1 EAST ELEVATION @ STAFF ENTRY
1/8" = 1'-0"



2 SOUTH ELEVATION @ NEW ADDTION STAFF ENTRY
1/8" = 1'-0"



3 NORTH ELEVATION @ STAIR
1/8" = 1'-0"



4 EAST ELEVATION @ OFFICES
1/8" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
224 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-843-2448 fax

DWG. FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
A-202	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 93 OF 295
	DRAWING NUMBER
	2025-0984
	FILE NO.: 8

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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
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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED EXTERIOR ELEVATIONS

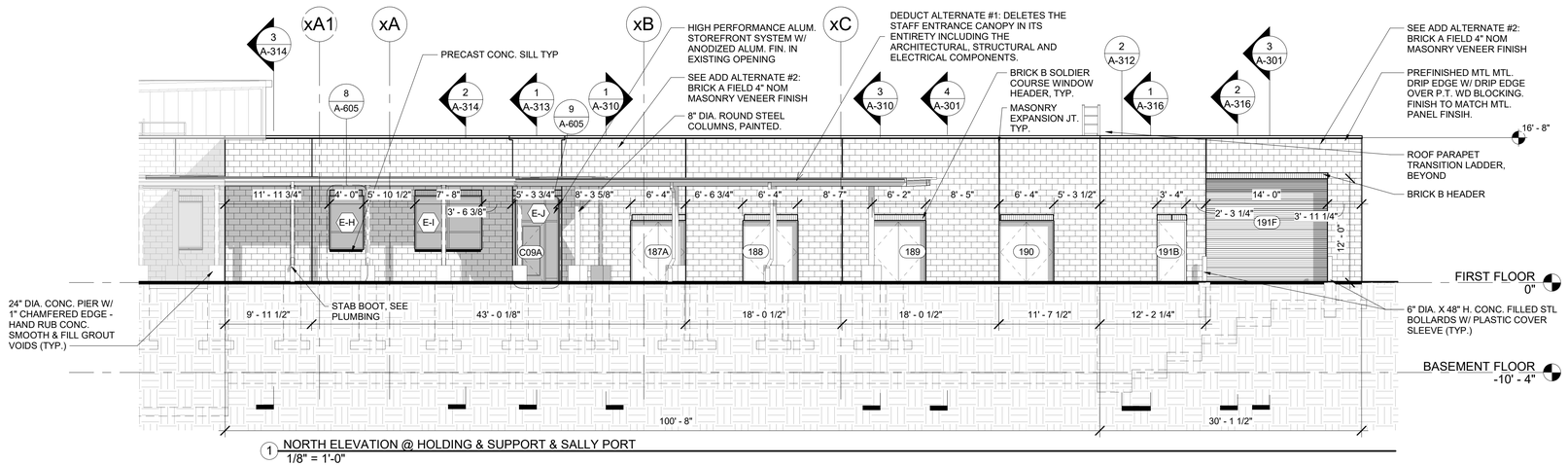
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

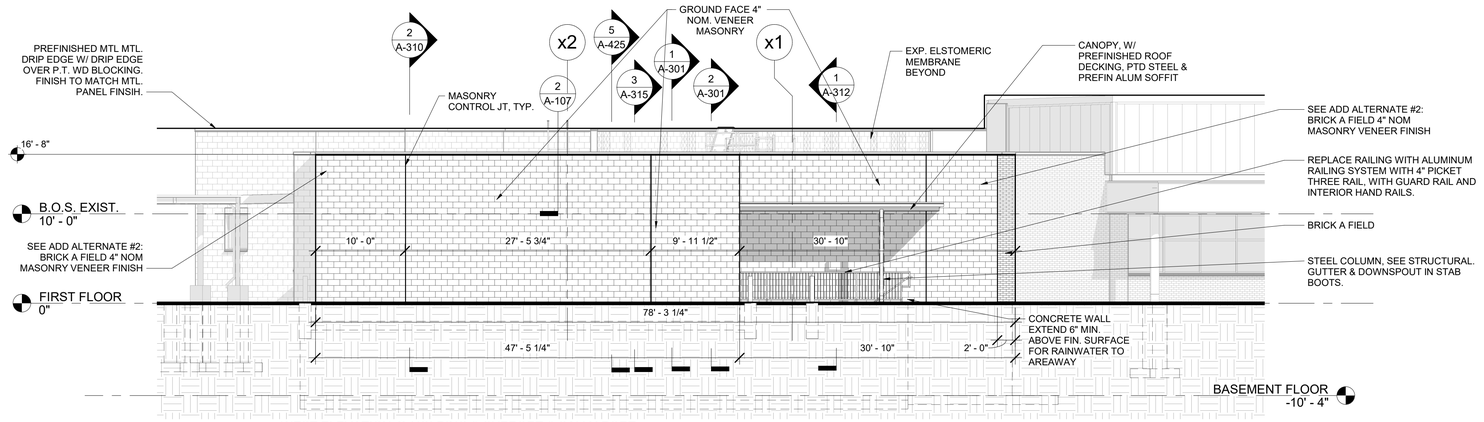
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

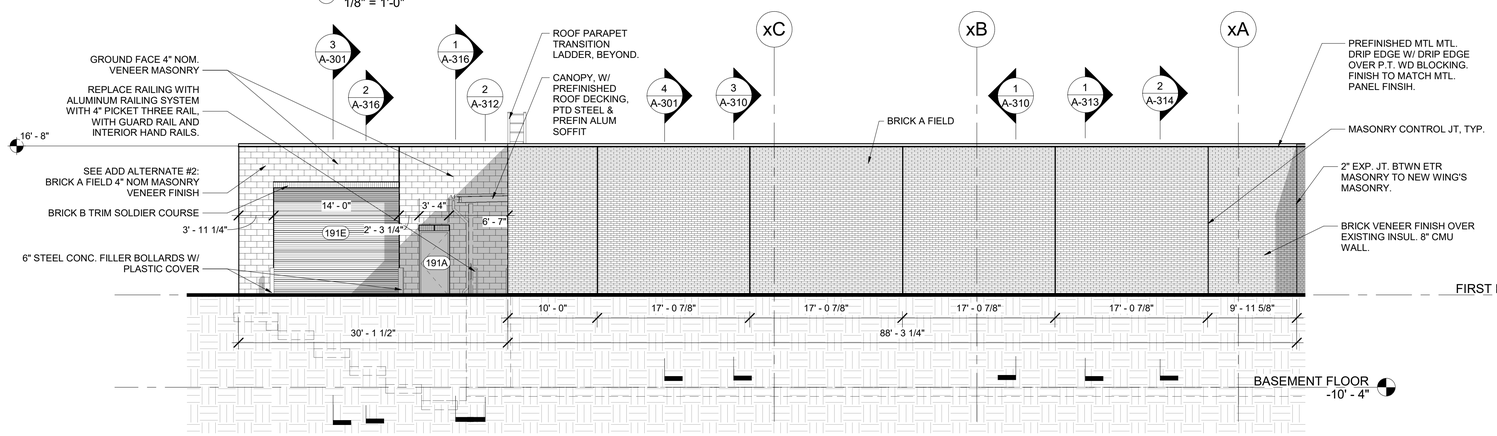
BALTIMORE COUNTY MARYLAND



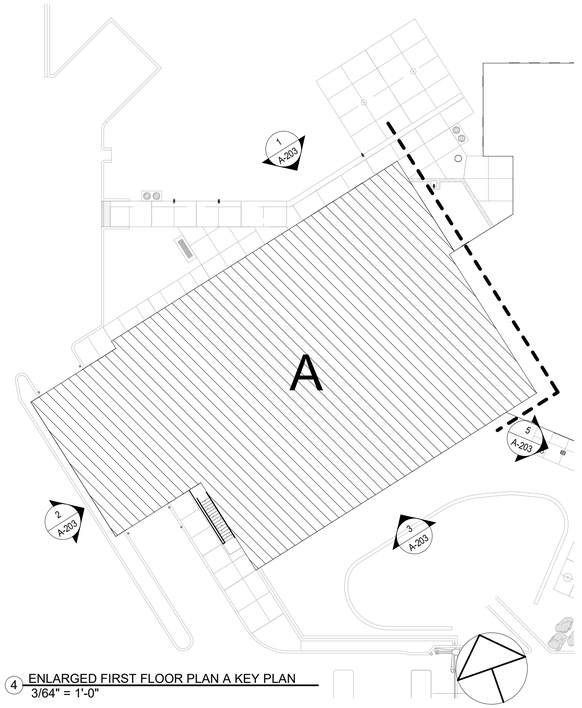
1 NORTH ELEVATION @ HOLDING & SUPPORT & SALLY PORT
1/8" = 1'-0"



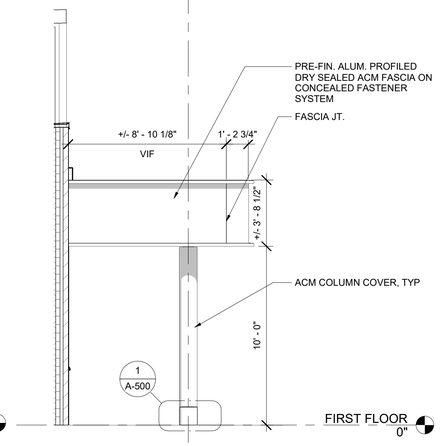
2 WEST ELEVATION @ HOLDING & SUPPORT & SALLY PORT
1/8" = 1'-0"



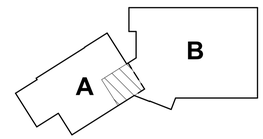
3 SOUTH ELEVATION @ HOLDING & SUPPORT & SALLY PORT
1/8" = 1'-0"



4 ENLARGED FIRST FLOOR PLAN A KEY PLAN
3/64" = 1'-0"



5 WEST ELEVATION @ VESTIBULE
1/4" = 1'-0"



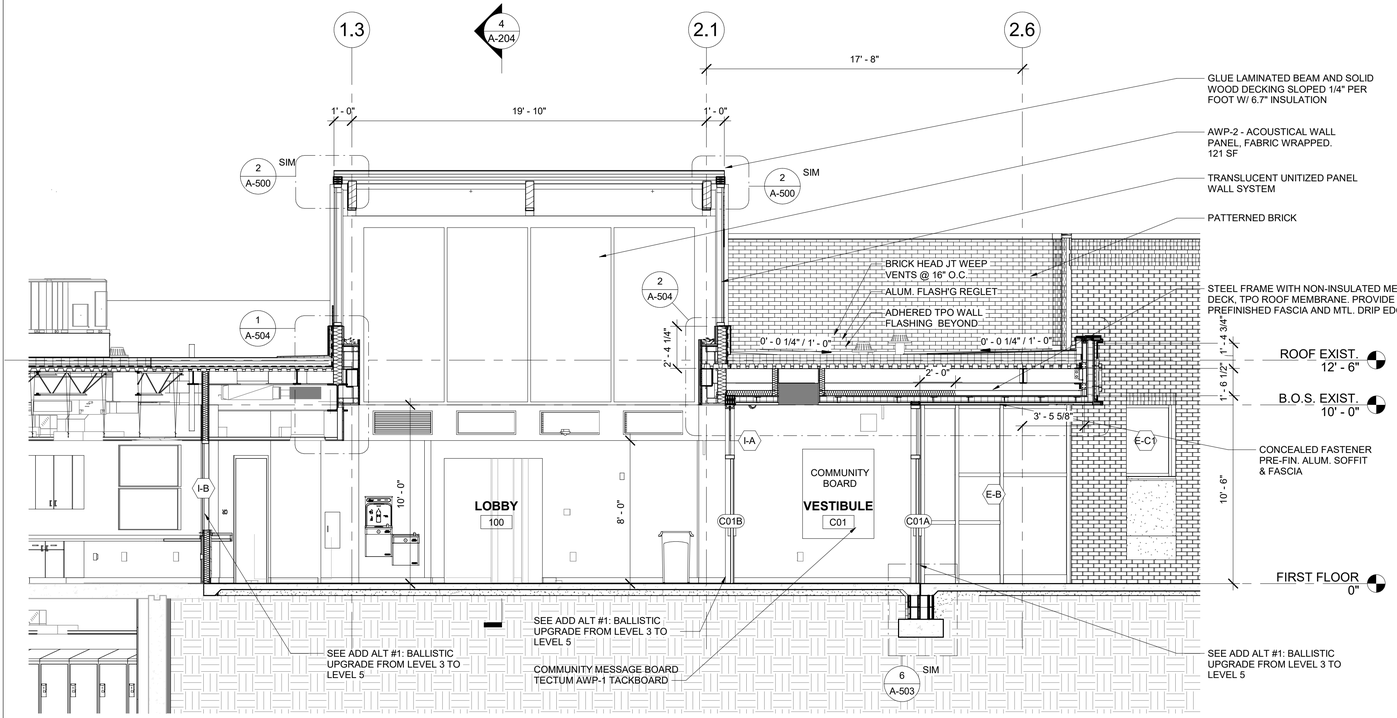
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SEAL

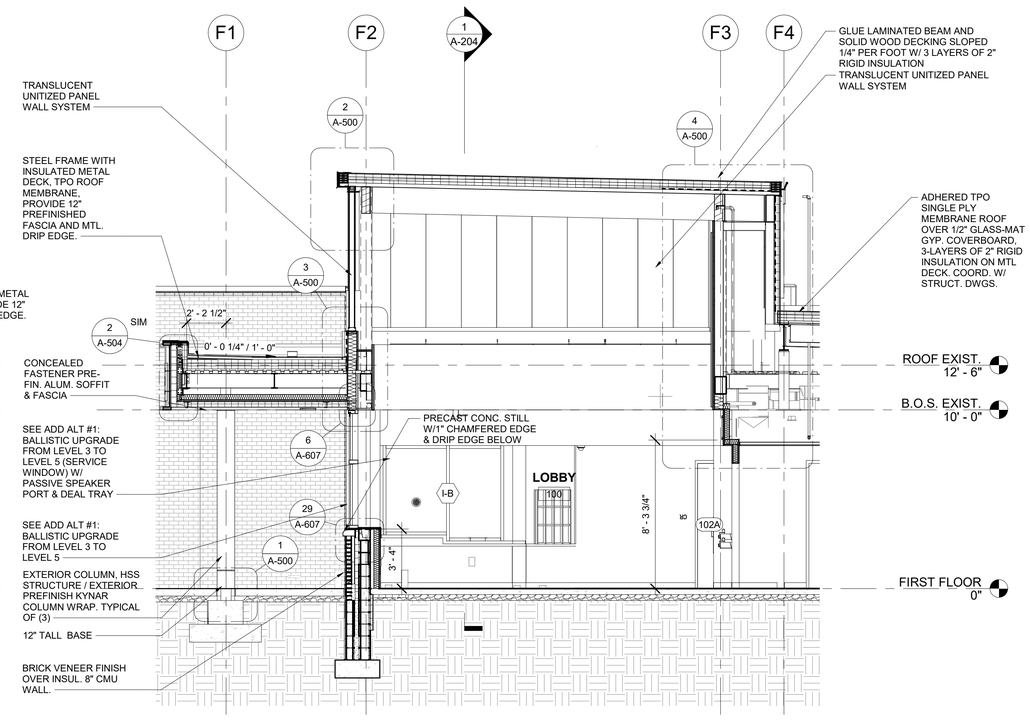
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

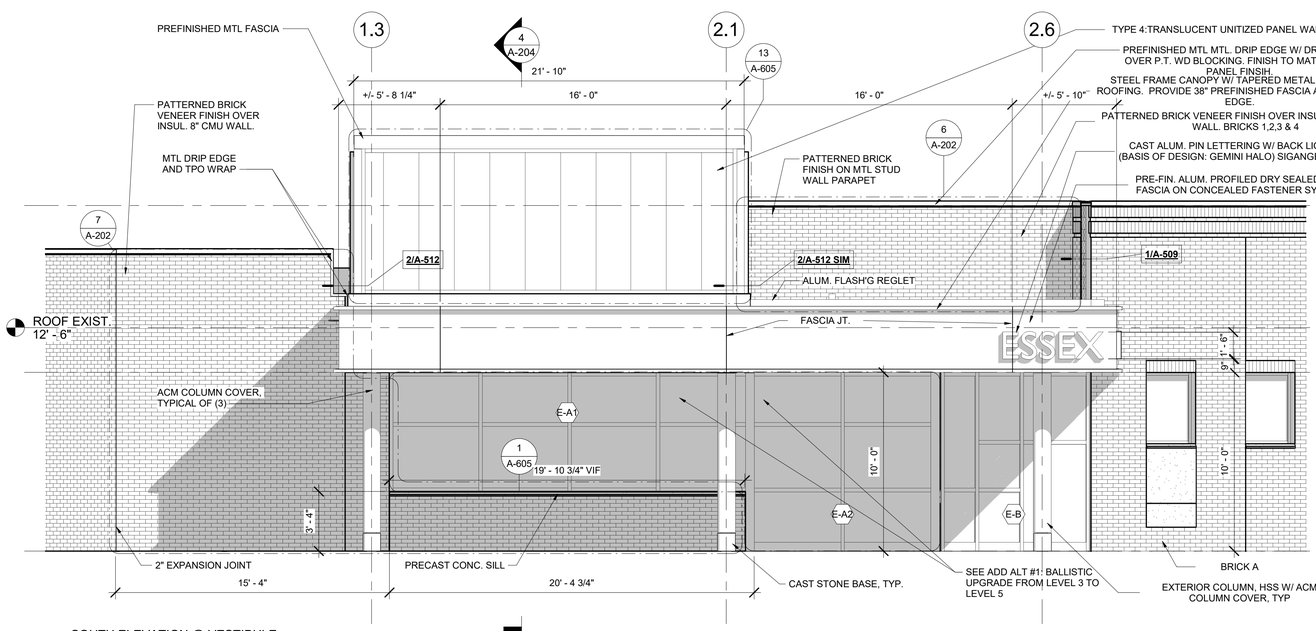
| PROFESSIONAL CERTIFICATION | | |



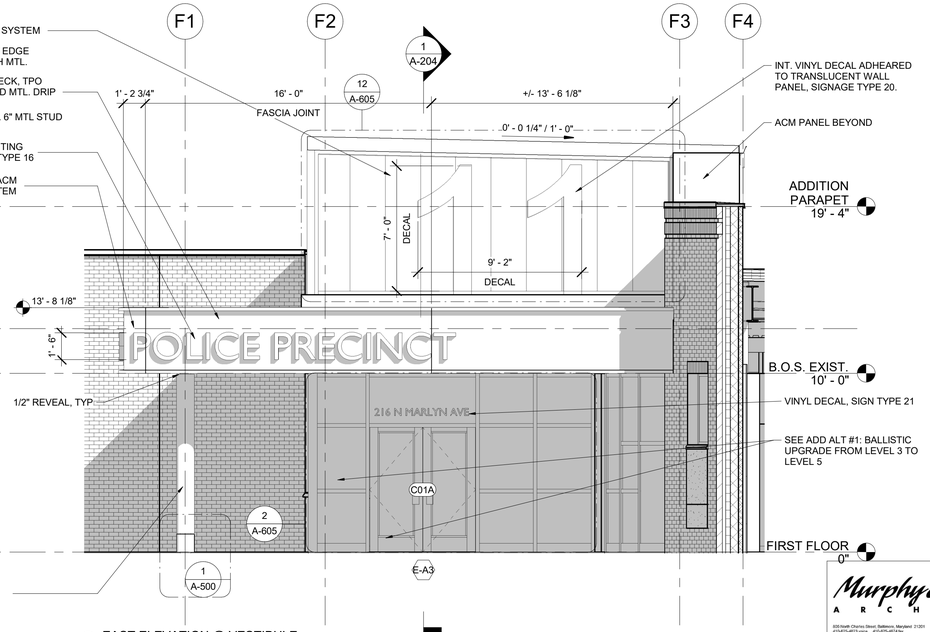
1 PARTIAL BUILDING SECTION @ LOBBY & VESTIBULE
1/4" = 1'-0"



4 WALL SECTIION - NEW LOBBY
1/4" = 1'-0"



2 SOUTH ELEVATION @ VESTIBULE
1/4" = 1'-0"



3 EAST ELEVATION @ VESTIBULE
1/4" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK WOOD DITTENHAFER II STATE OF MARYLAND

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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

ARCHITECT: Frank Elwood Dittenhafer, II

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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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED EXTERIOR ELEVATIONS - VESTIBULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

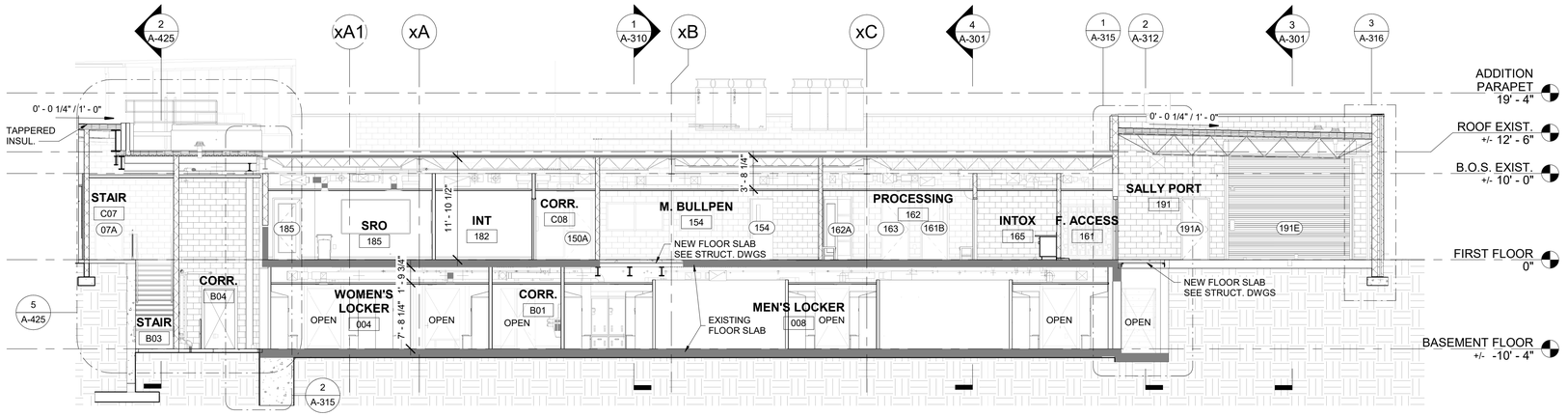
ELECTION DIST. NO.: 15C7

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 717-848-8627 voice 717-843-2448 fax

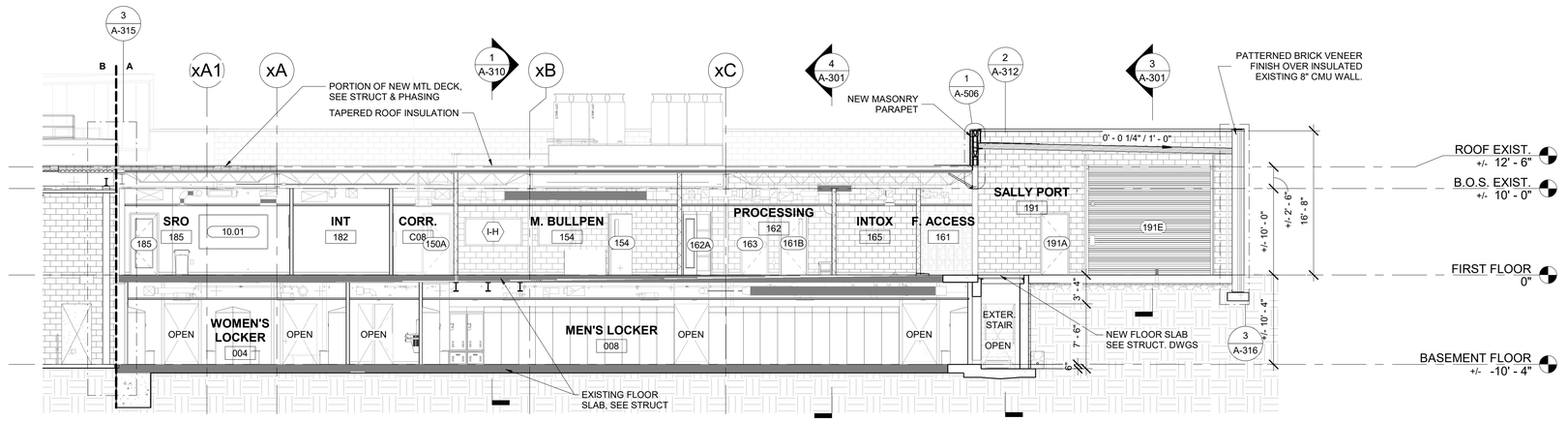
DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-204	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 95 OF 295
	DRAWING NUMBER
	2025-0986
	FILE NO.: 8 REV 25/22

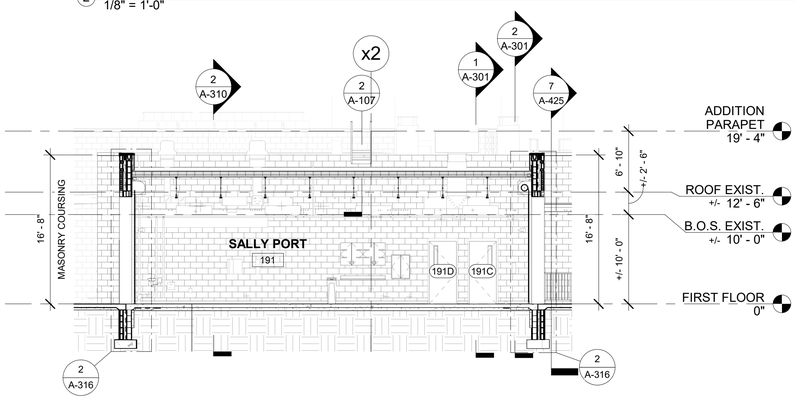
BALTIMORE COUNTY MARYLAND



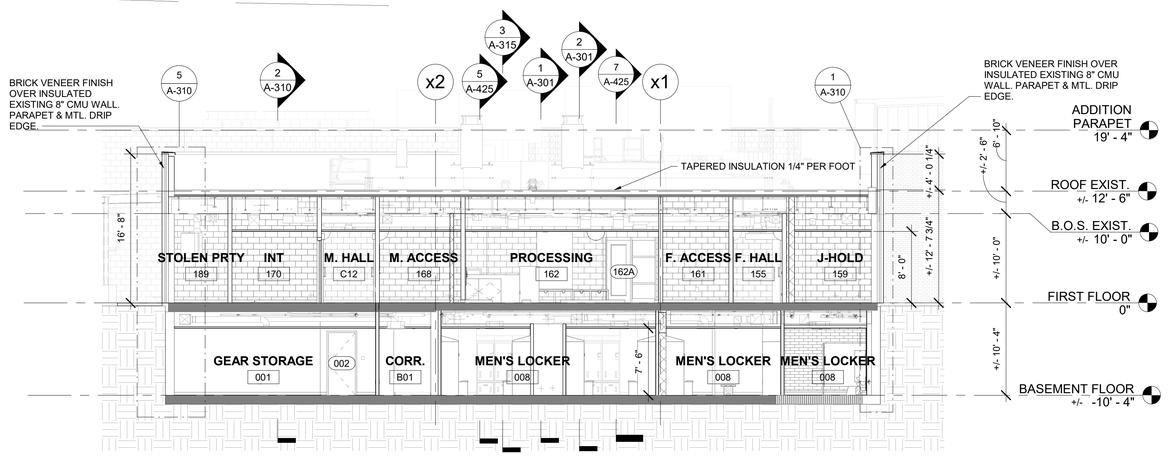
1 WING A - LONGITUDINAL SECTION 1
1/8" = 1'-0"



2 WING A - LONGITUDINAL SECTION 2
1/8" = 1'-0"



3 WING A - SALLY PORT SECTION
1/8" = 1'-0"



4 WING A - TRANSVERSE SECTION
1/8" = 1'-0"

C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQZANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A RANDALL ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY:
DATE:

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

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

CONTRACT COMPLETION BOX

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

KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

BUILDING SECTIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

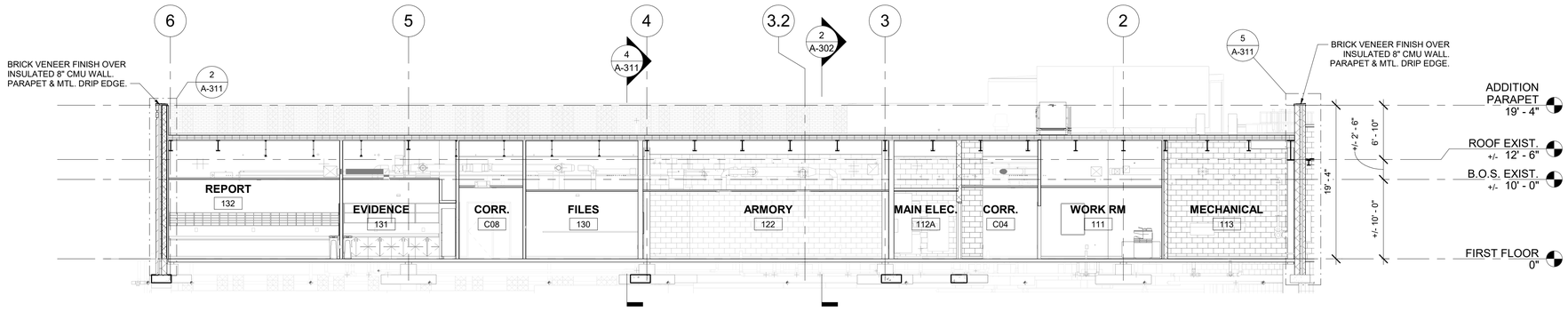
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

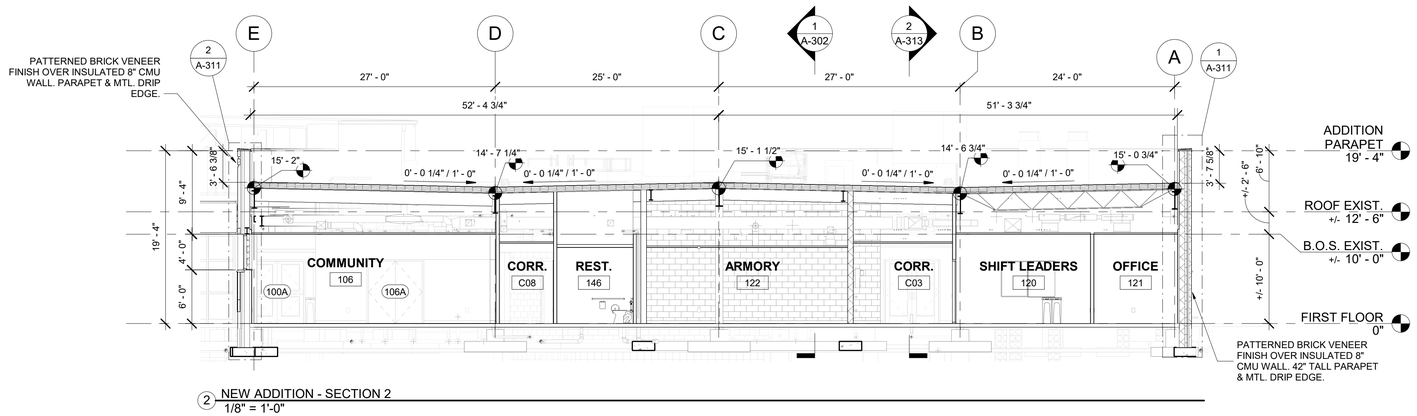
Murphy & Dittenhafer ARCHITECTS
809 North Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4074 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3486 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-301	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 96 OF 295
	DRAWING NUMBER
	2025-0987
	FILE NO.: 8 REV: 03/22

DWG. FILENAME:



1 NEW ADDITION - SECTION 1
1/8" = 1'-0"



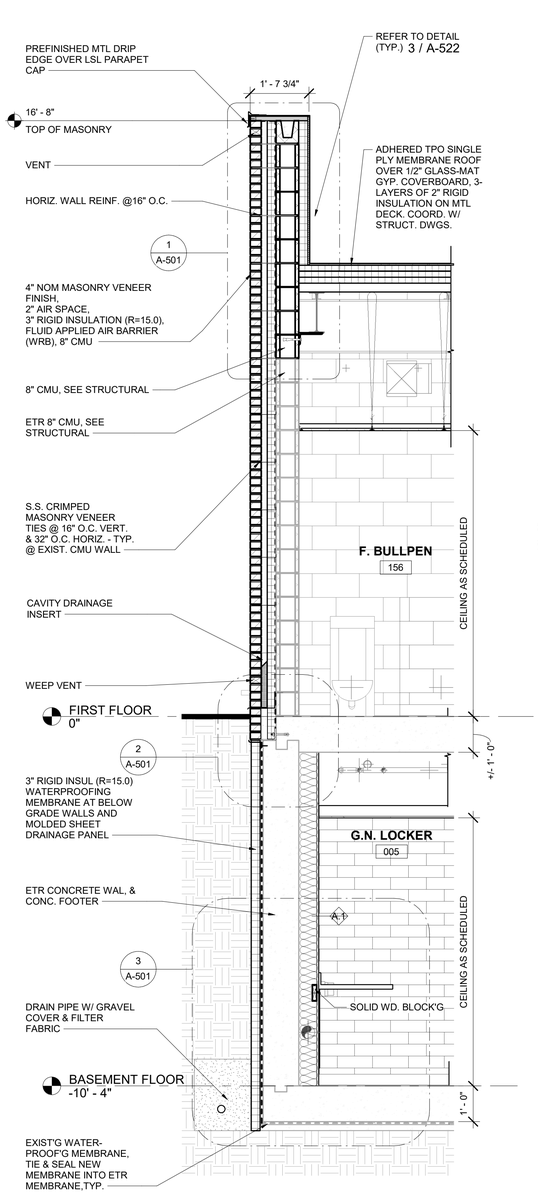
2 NEW ADDITION - SECTION 2
1/8" = 1'-0"

SEAL

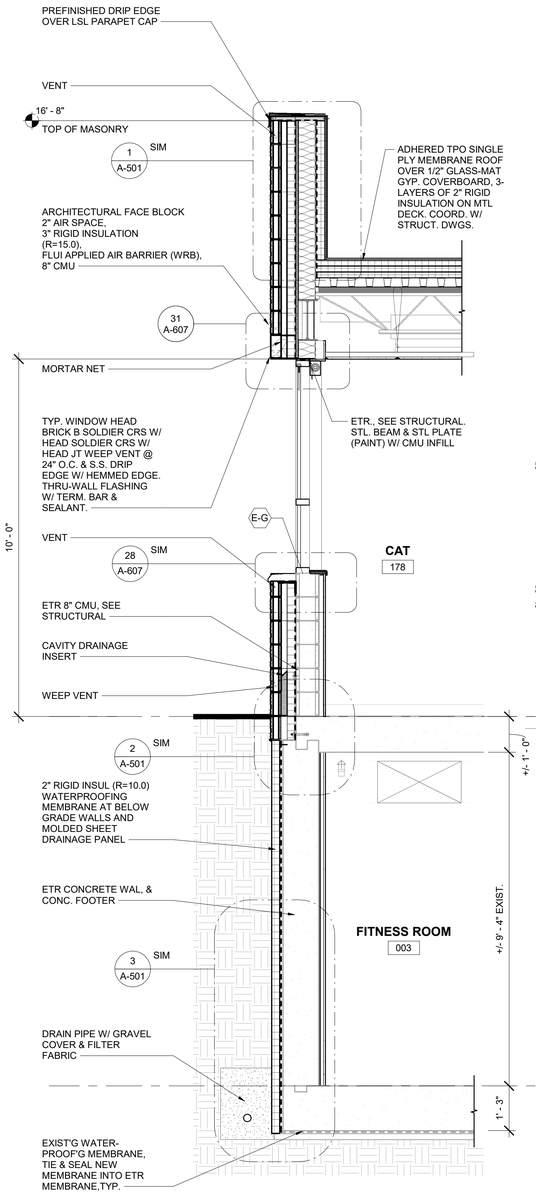
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

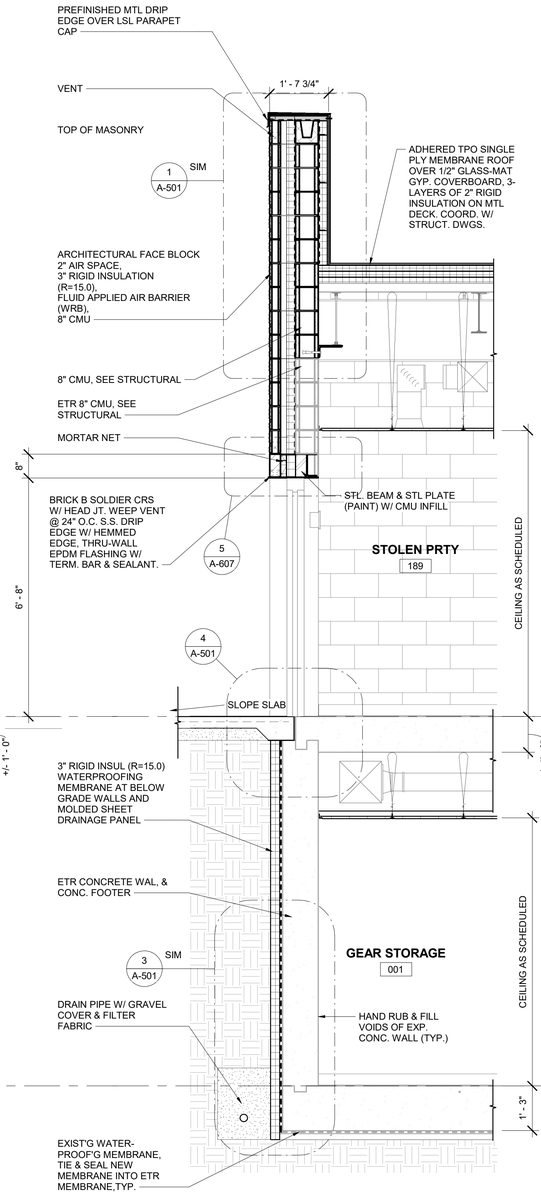
| PROFESSIONAL CERTIFICATION | | |



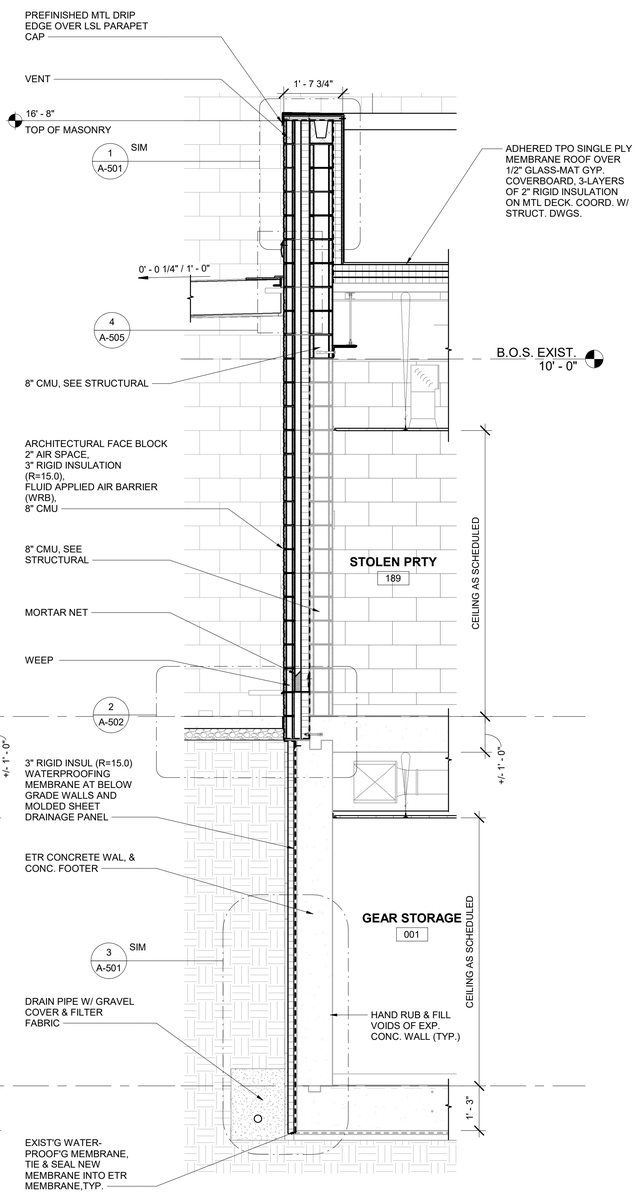
1 WALL SECTION - EXISTING, NEW ENVELOPE
1/2" = 1'-0"



2 WALL SECTION - EXISTING - INTERIOR ENVELOPE IMPROVEMENT
1/2" = 1'-0"



3 WALL SECTION -EXISTING, NEW ENVELOPE
1/2" = 1'-0"



5 WALL SECTION - STORAGE
1/2" = 1'-0"

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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 717-620-2446 fax

DWG. FILENAME:

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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

BY: DATE:

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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - TYP. PART A

RENOVATION & ADDITION

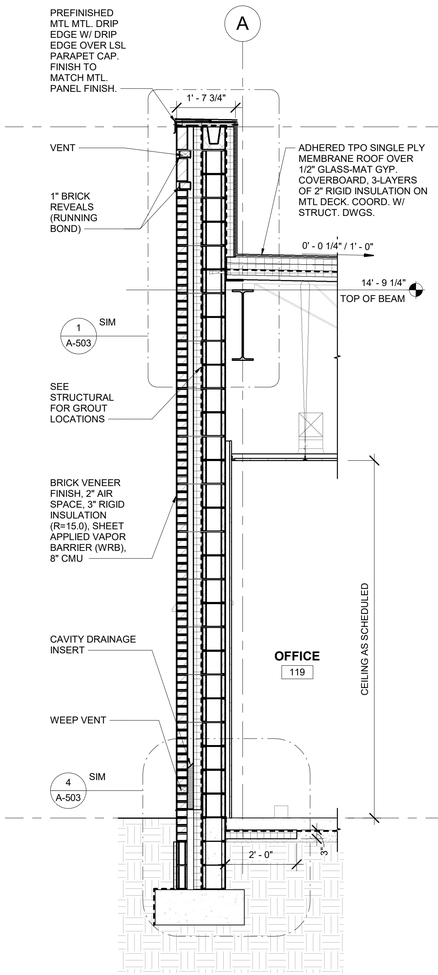
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

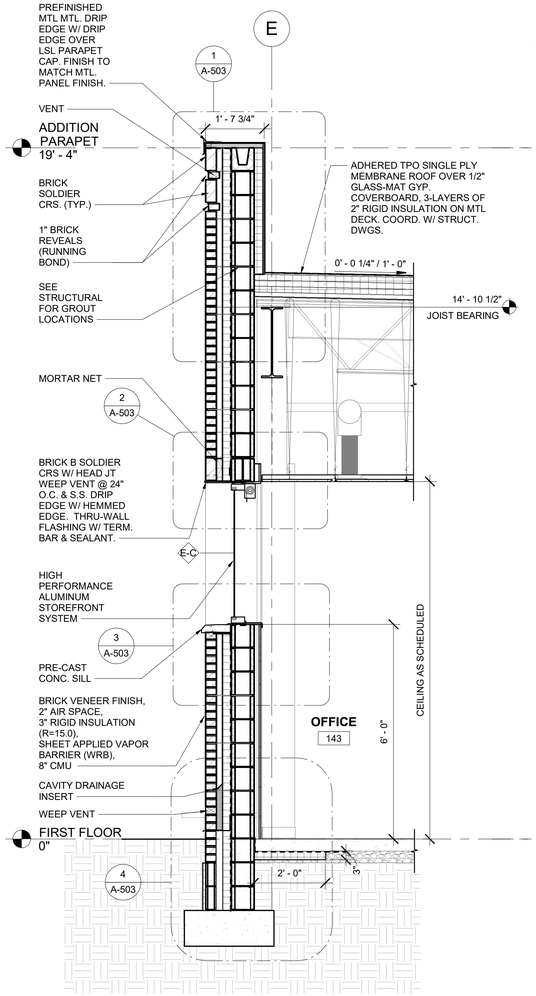
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

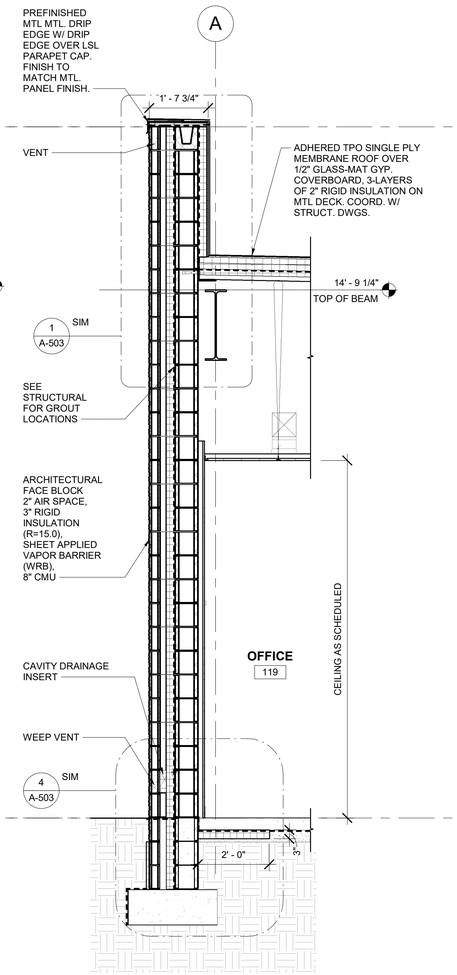
SHEET DESIGNATION	CONTRACT NUMBER
A-310	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 98 OF 295
	DRAWING NUMBER
	2025-0989
	FILE NO.: 8



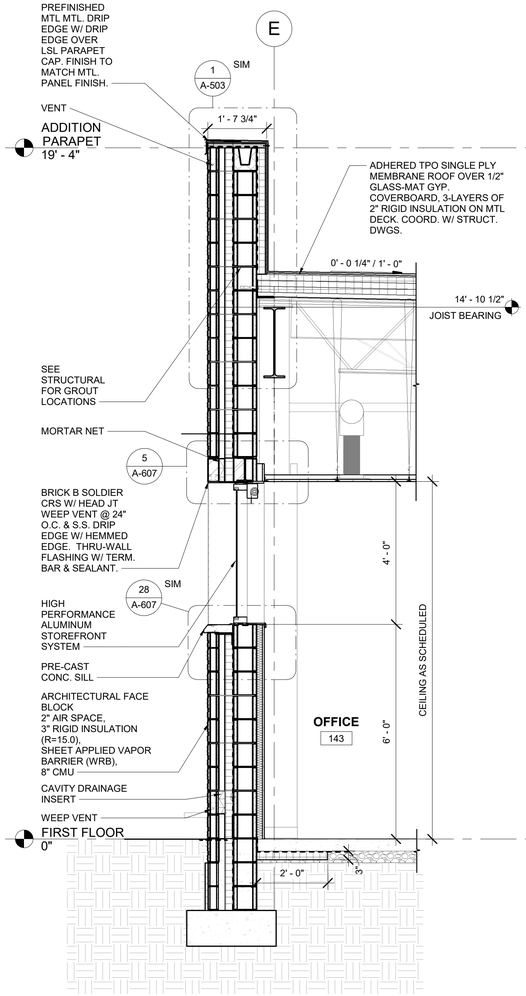
1 WALL SECTION - TYPICAL BRICK VENEER
1/2" = 1'-0"



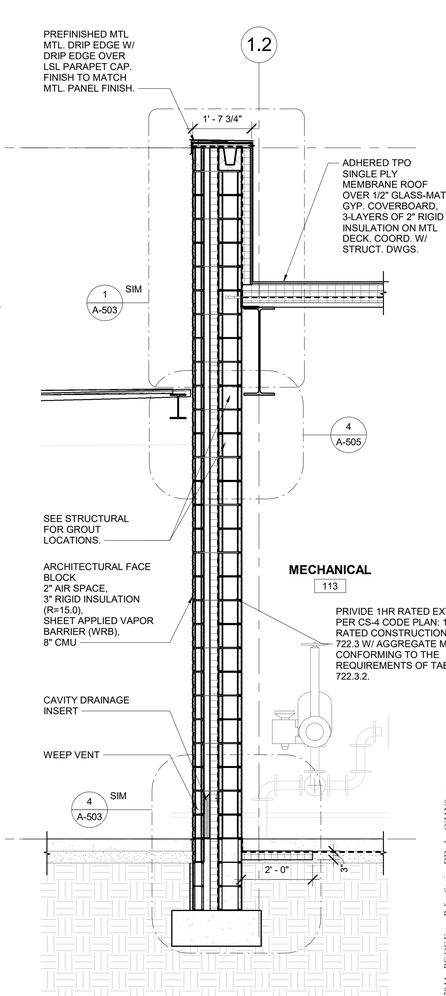
2 WALL SECTION - TYPICAL WINDOW WITH BRICK VENEER
1/2" = 1'-0"



3 WALL SECTION - TYPICAL GROUND FACE VENEER
1/2" = 1'-0"



4 WALL SECTION - TYPICAL WINDOW - GROUND FACE VENEER
1/2" = 1'-0"



5 WALL SECTION - GROUND FACE VENEER @ CANOPY
1/2" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - TYP. PART B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

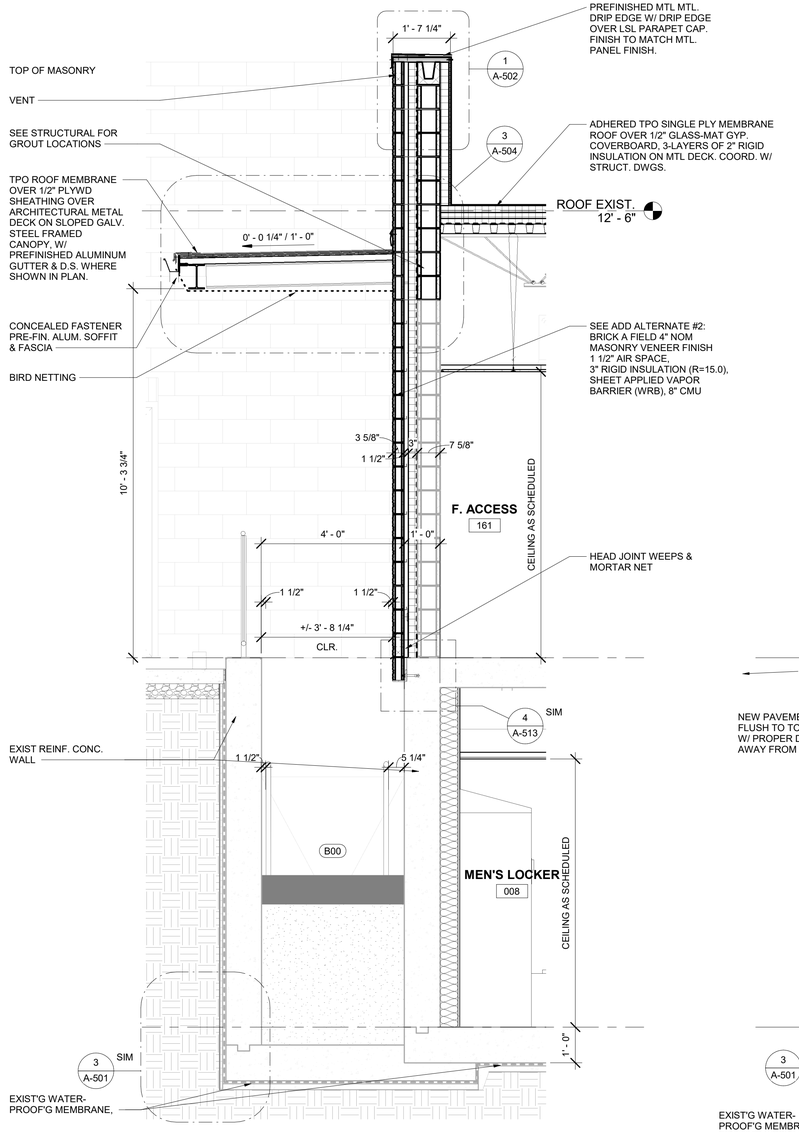
Murphy & Dittenhafer ARCHITECTS

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

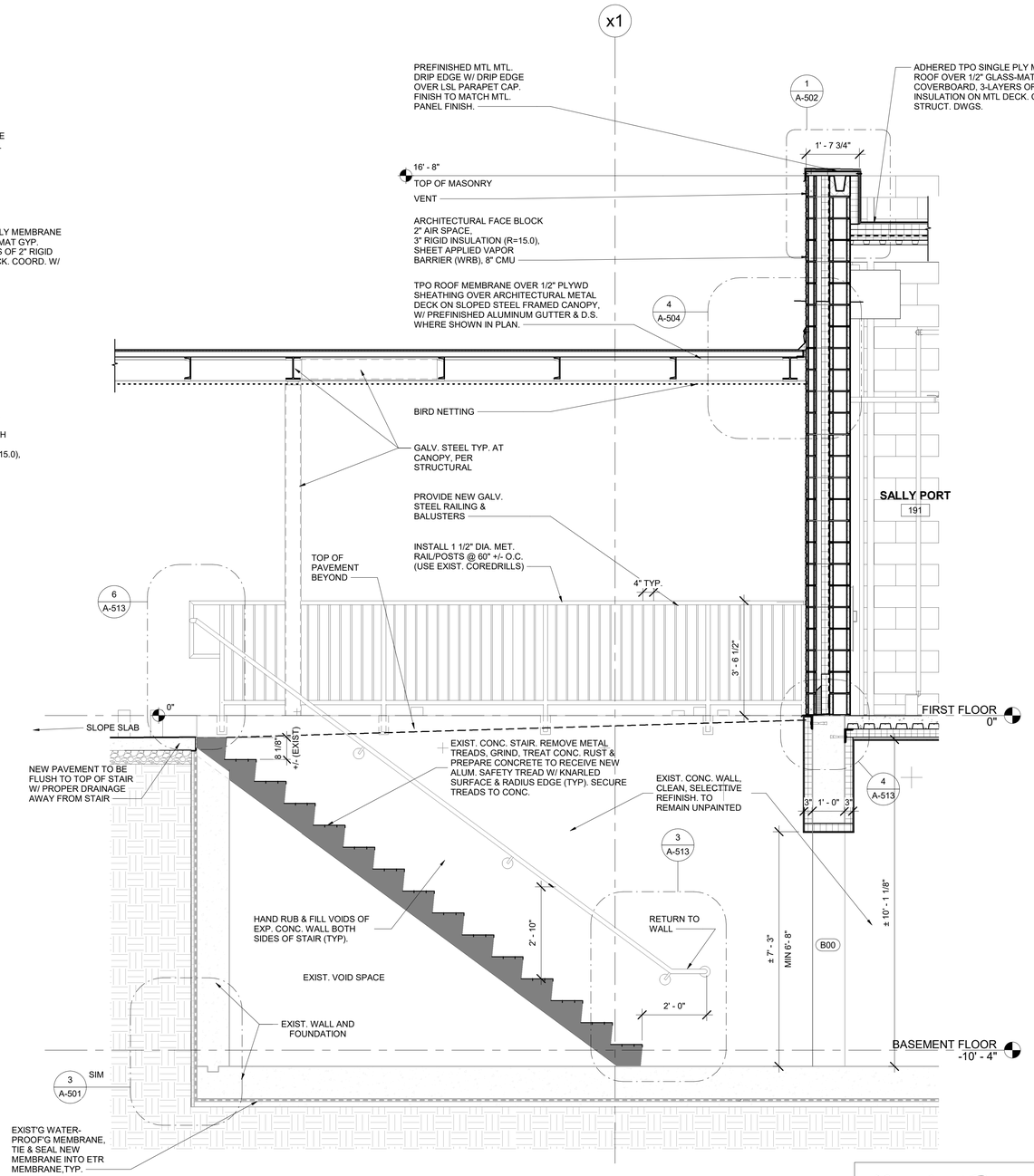
229 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-845-2446 fax

DWG. FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
A-311	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 99 OF 295
	DRAWING NUMBER
	2025-0990
	FILE NO.: 8 REV. 03/03



1 WALL SECTION @ CANOPY EXISTING STAIRWELL 1
1/2" = 1'-0"



2 WALL SECTION @ CANOPY EXISTING STAIRWELL 2
1/2" = 1'-0"

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/2" = 1'-0"	APPROVED BY: PROPERTY MANAGER
			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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - CANOPIES

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

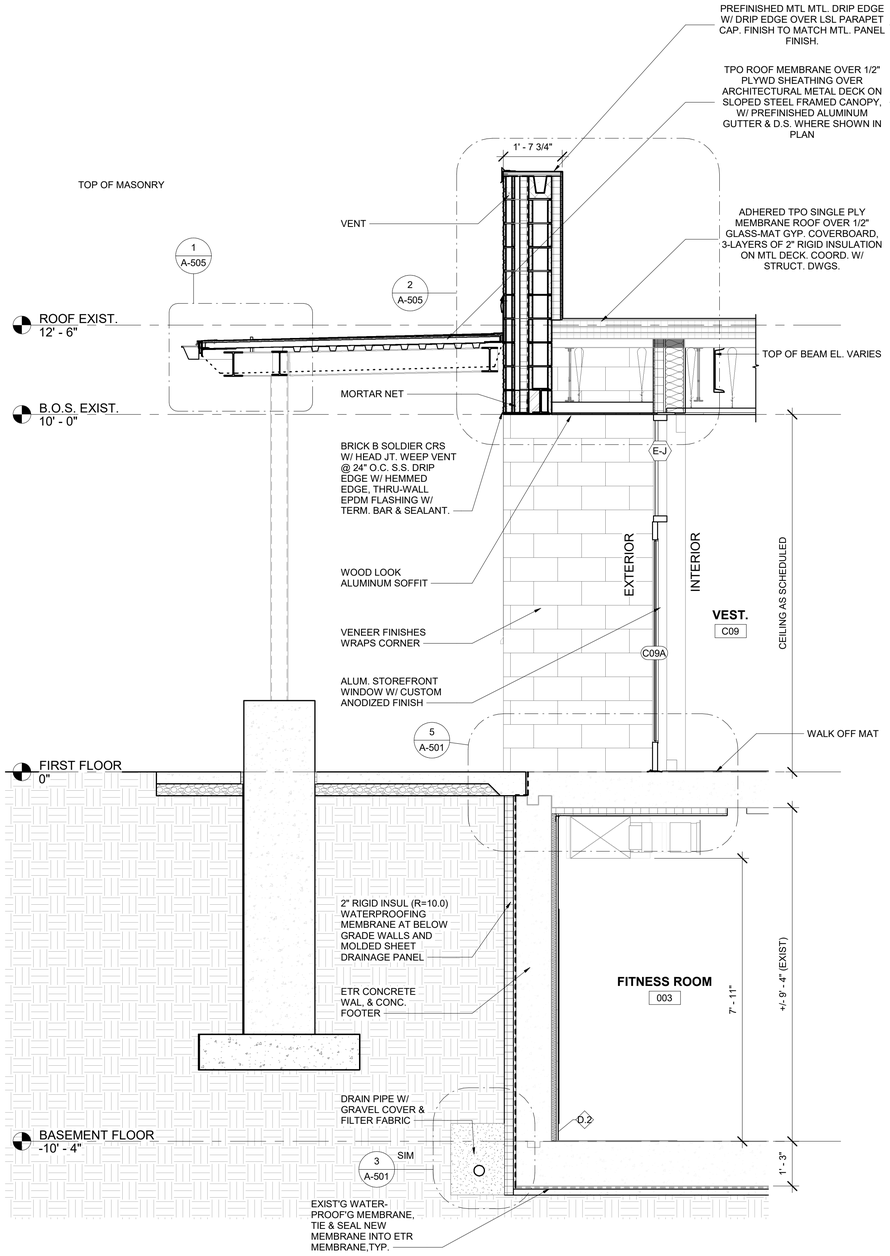
ELECTION DIST. NO.: 15C7

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 717-848-6627 voice 717-845-3448 fax

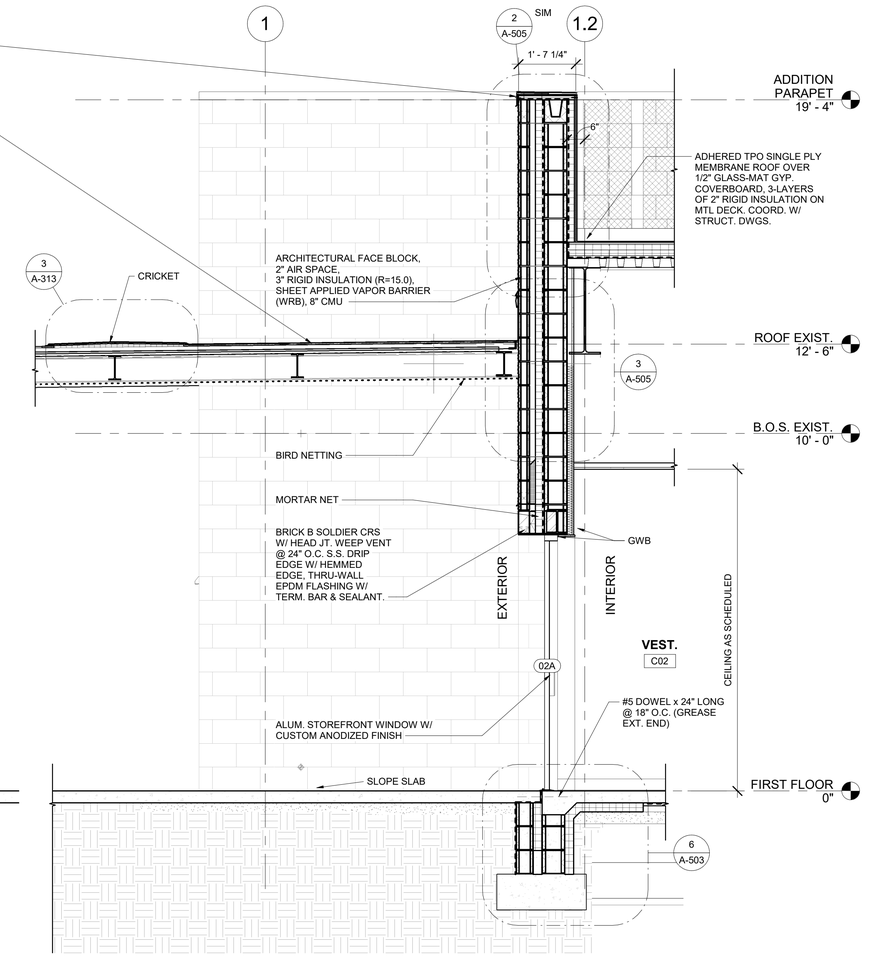
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SHEET DESIGNATION	CONTRACT NUMBER
A-312	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 100 OF 295
	DRAWING NUMBER
	2025-0991
	FILE NO.: 8 REV. 0002

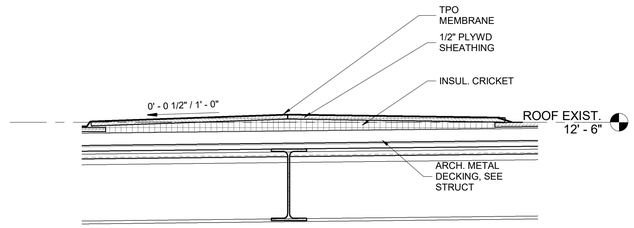
BALTIMORE COUNTY MARYLAND



1 WALL SECTION @ CANOPY VEST. C09
1/2" = 1'-0"



2 WALL SECTION @ STAFF ENTRANCE
1/2" = 1'-0"



3 CANOPY DETAIL - PLYWD CRICKET
1 1/2" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
605 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 717-620-3446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-313	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 101 OF 295
	DRAWING NUMBER
	2025-0992
	FILE NO.: 8

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

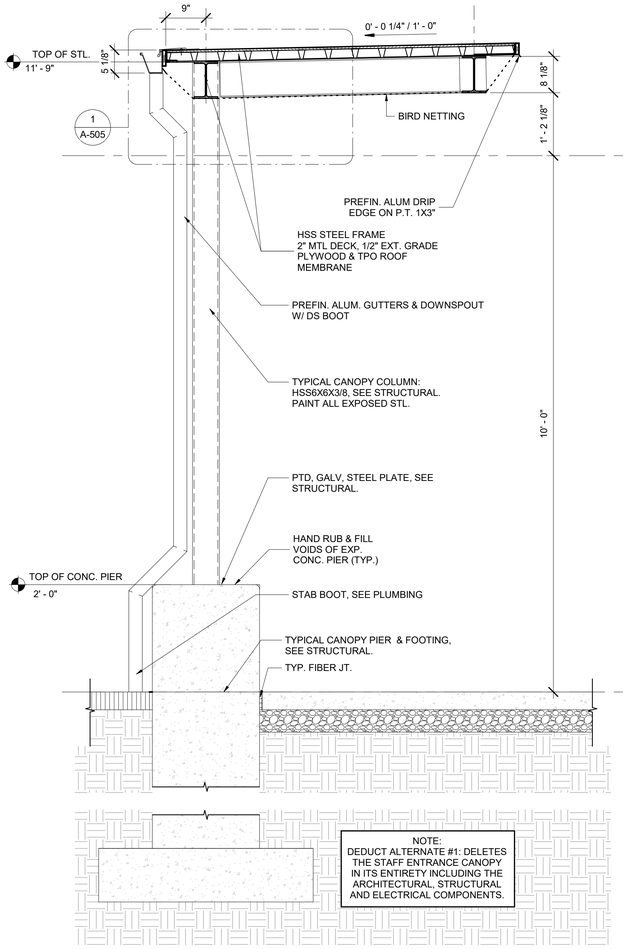
WALL SECTIONS - CANOPIES

RENOVATION & ADDITION

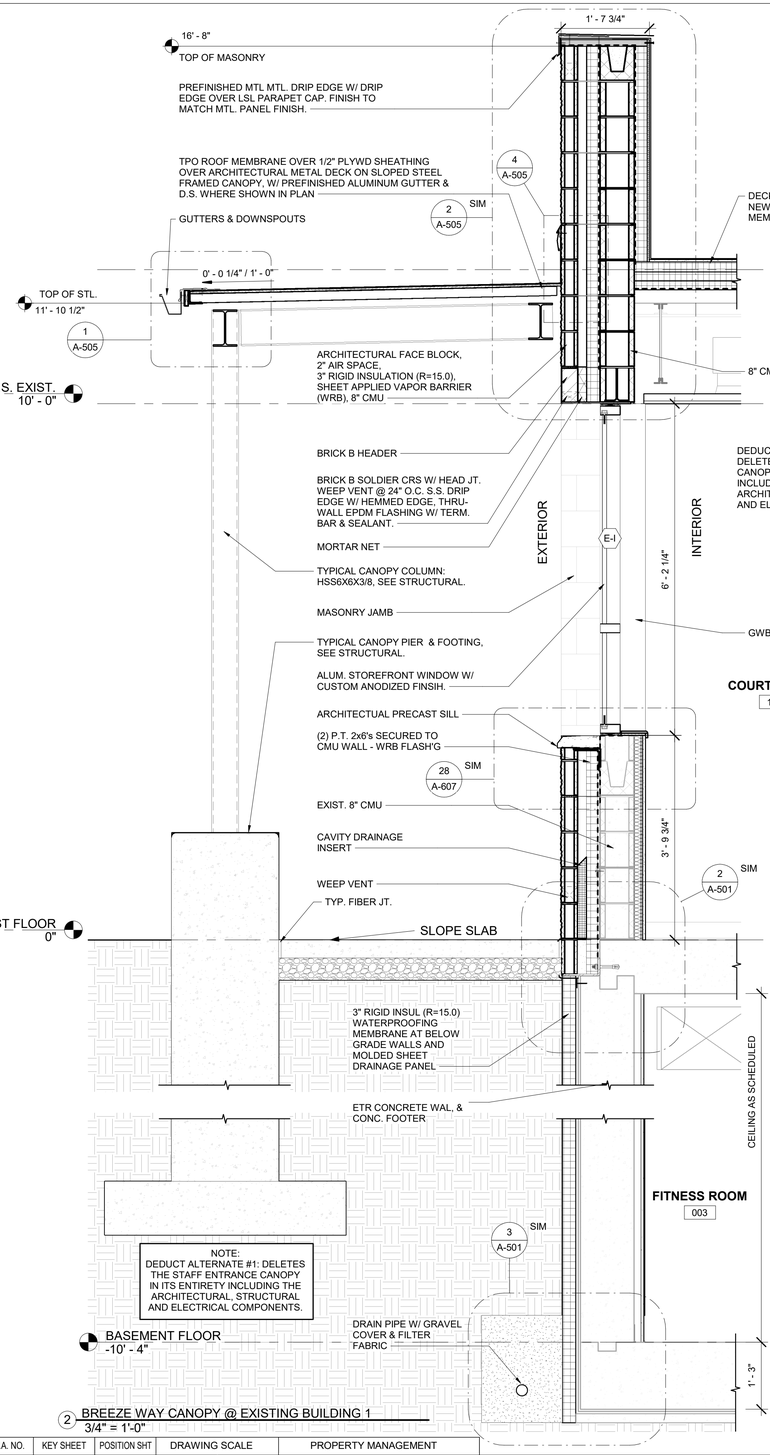
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

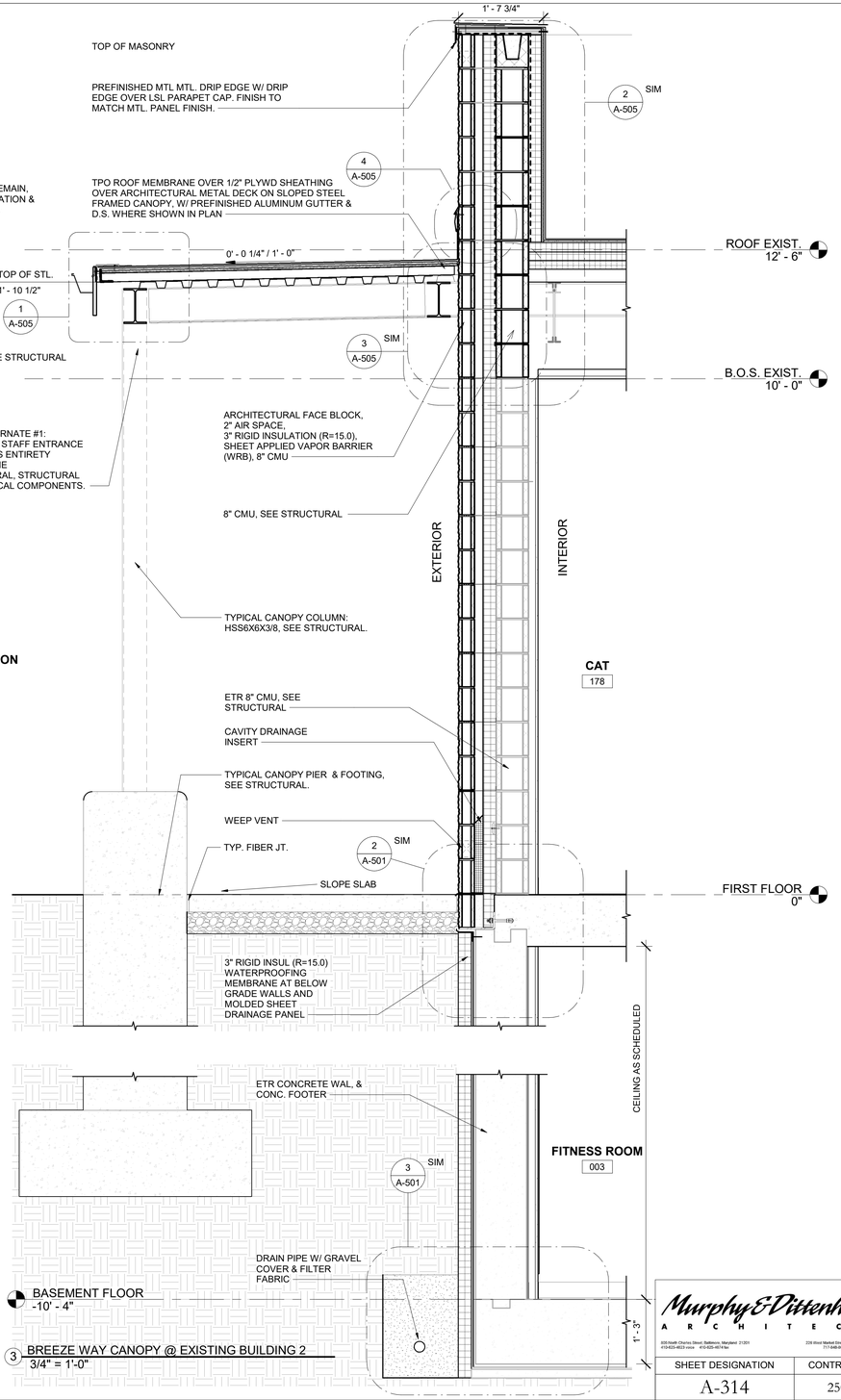
ELECTION DIST. NO.: 15C7



1 DEDUCT ALT #2 - BREEZE WAY CANOPY
3/4" = 1'-0"



2 BREEZE WAY CANOPY @ EXISTING BUILDING 1
3/4" = 1'-0"



3 BREEZE WAY CANOPY @ EXISTING BUILDING 2
3/4" = 1'-0"

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: JULY 14, 2025

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.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - CANOPIES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

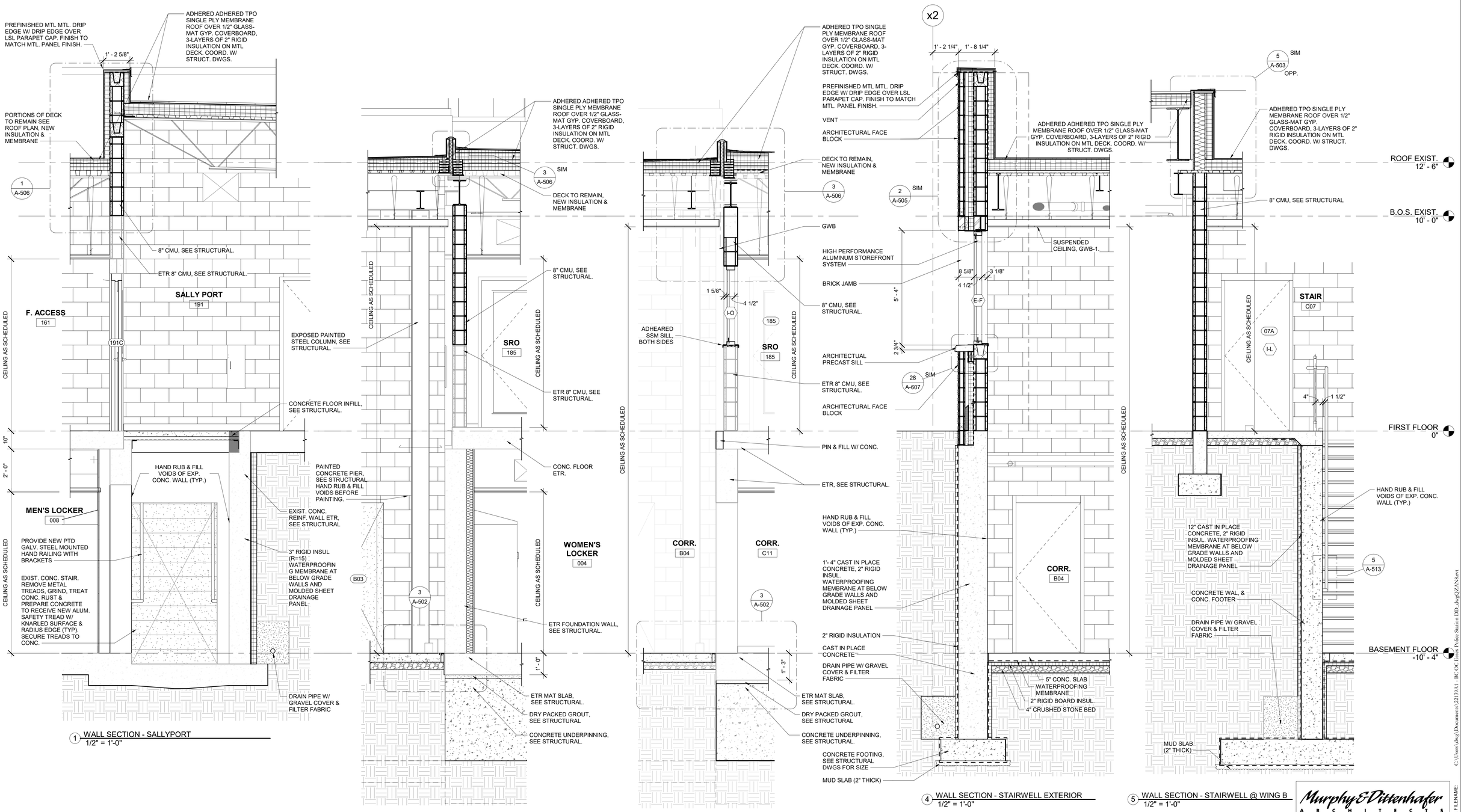
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

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 717-848-6627 voice 717-845-1446 fax

DWG. FILENAME: C:\Users\dwg\Documents\23139A1 - BC OC Essex Police Station DD .dwg[QCAN8.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-314	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 102 OF 295
	DRAWING NUMBER
	2025-0993
	FILE NO.: 8 REV. 03/22



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Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-2446 fax

DWG FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - ELEVATOR/ STAIR

RENOVATION & ADDITION

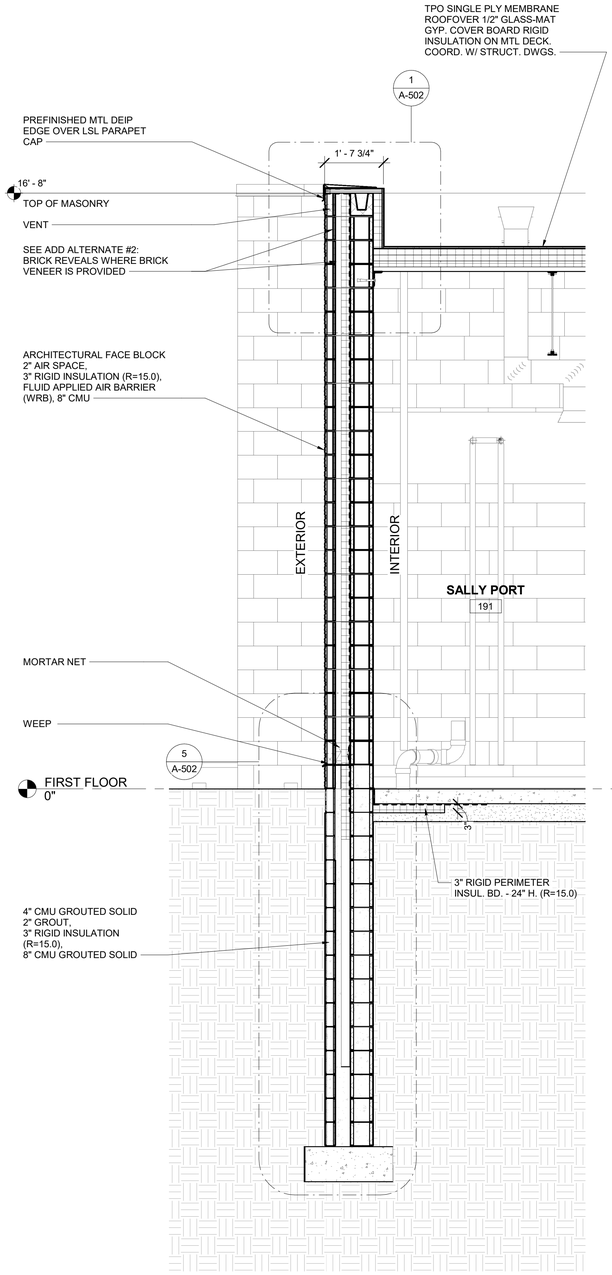
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

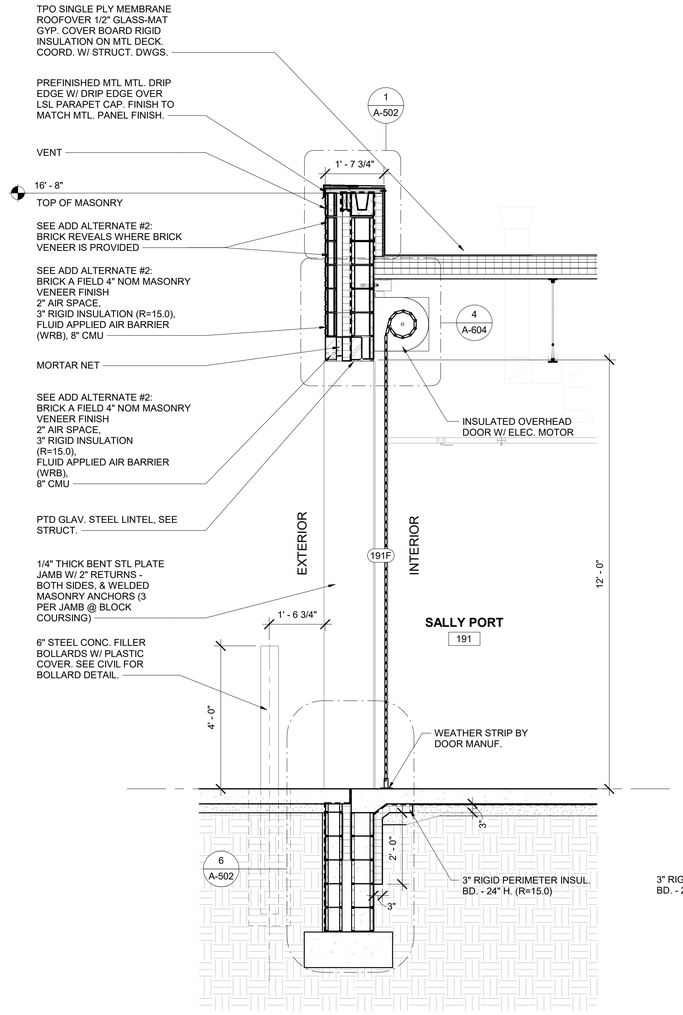
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-315	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 103 OF 295
	DRAWING NUMBER
	2025-0994
	FILE NO.: 8 REV. 03/22

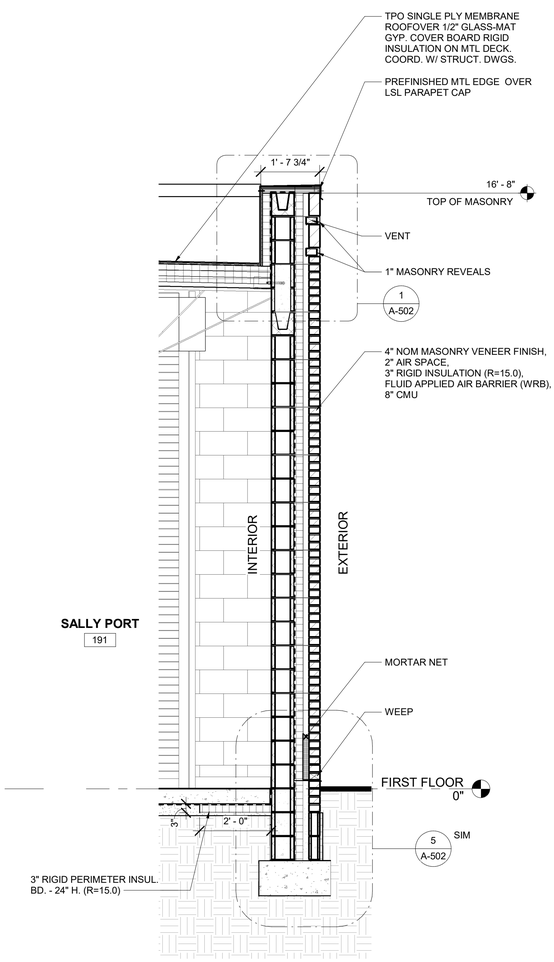
BALTIMORE COUNTY MARYLAND



1 WALL SECTION - NEW SALLY PORT 1
1/2" = 1'-0"



2 WALL SECTION - NEW SALLY PORT 2
1/2" = 1'-0"



3 WALL SECTION - NEW SALLY PORT 3
1/2" = 1'-0"

C:\Users\dwg\Documents\23139A1 - BC OC Essex Police Station DD_dwgQ2AN8.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS

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

228 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-840-3446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-316	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 104 OF 295
	DRAWING NUMBER
	2025-0995
	FILE NO.: 8

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

BY:

DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE

PLAN SCALE: 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

ESSEX POLICE PRECINCT - 11

WALL SECTIONS - SALLY PORT

RENOVATION & ADDITION

SUBDIVISION: ESSEX

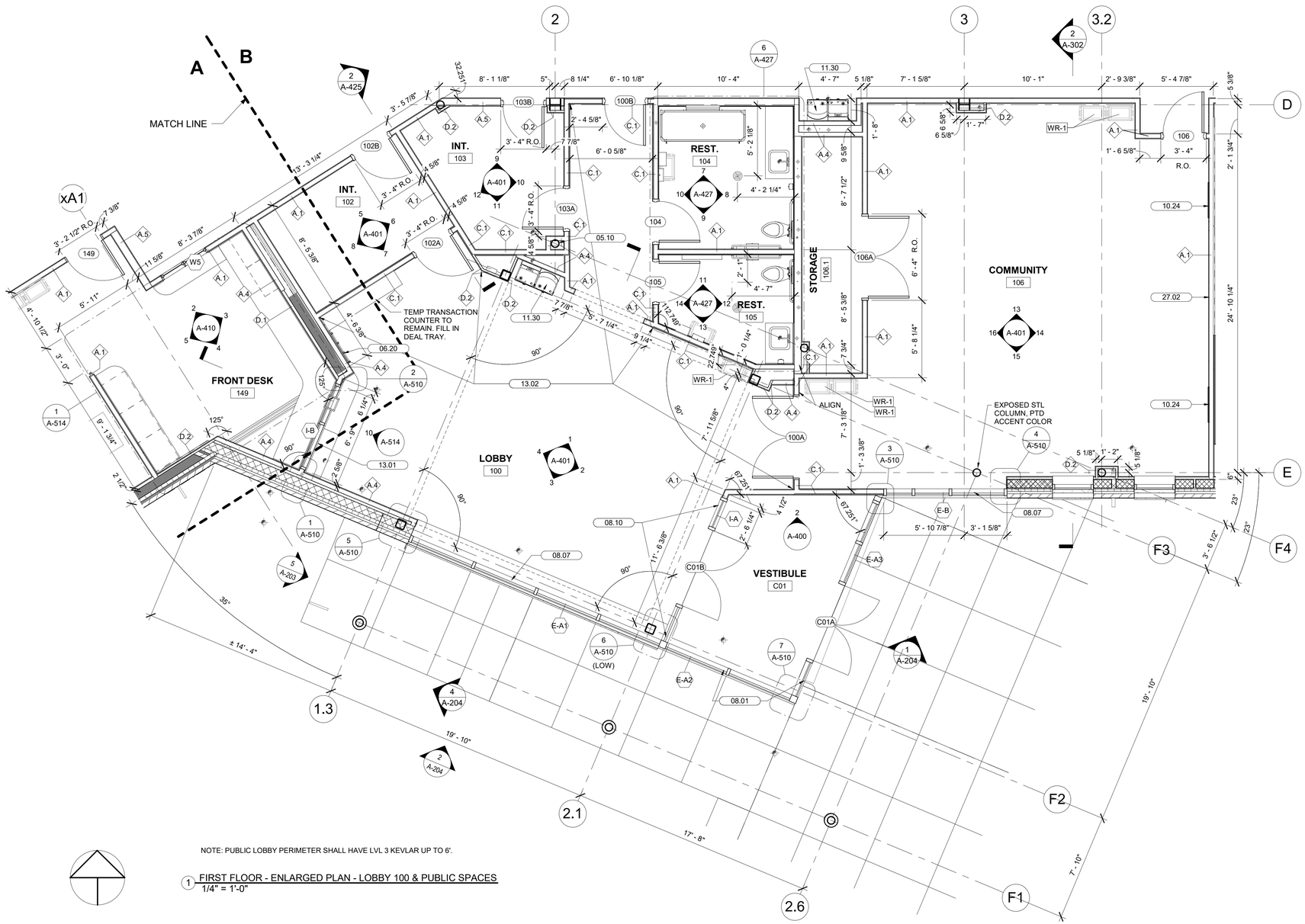
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

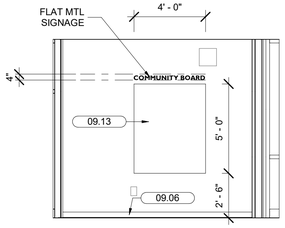
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.10	STEEL COLUMN. SEE STRUCTURE.
06.20	WOOD AND ACRYLIC BROCHURE DISPLAY.
08.01	TYP. ALUMINUM SF SYSTEM.
08.07	LVL 5 BALISTIC GLAZING SF SYSTEM.
08.10	LVL 3A BALISTIC ALUM. STOREFRONT SYSTEM.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
10.24	INTERIOR SIGNAGE, SEE SIGNAGE PLAN.
11.30	ELECTRIC WATER COOLER.
13.01	LVL 3 KEVLAR PANELS WITHIN WALL PARTITION UNDER COUNTER AND SSM WALL COVERINGS UNDER COUNTER. REFER TO PARTITION TYPES FOR DETAILS.
13.02	LVL 3 KEVLAR PANELS UP TO 6' WITHIN WALL PARTITION. REFER TO PARTITION TYPES FOR DETAILS.
27.02	AV MONITOR, SEE TA DRAWINGS.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.



NOTE: PUBLIC LOBBY PERIMETER SHALL HAVE LVL 3 KEVLAR UP TO 6'.

1 FIRST FLOOR - ENLARGED PLAN - LOBBY 100 & PUBLIC SPACES
1/4" = 1'-0"



2 VESTIBULE C01 - N
1/4" = 1'-0"

C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQANS.rvt

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 717-848-6627 voice 717-840-3498 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY: PROPERTY MANAGER
			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

ESSEX POLICE PRECINCT - 11

ENLARGED PLAN - 1ST FL - LOBBY & PUBLIC SPACES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

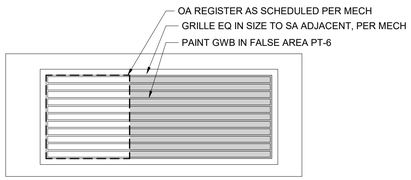
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

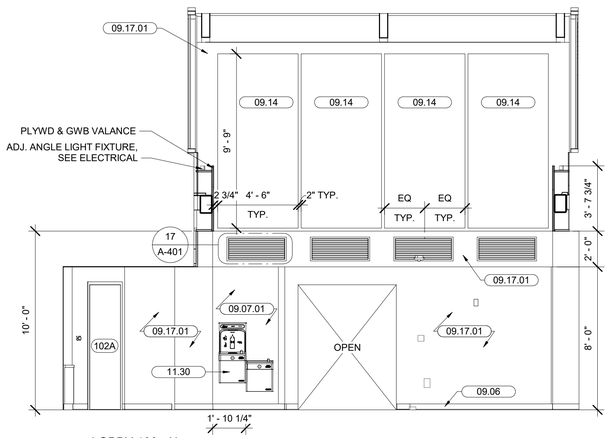
SHEET DESIGNATION	CONTRACT NUMBER
A-400	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 105 OF 295
	DRAWING NUMBER
	2025-0996
	FILE NO.: 8 REV: 09/22

BALTIMORE COUNTY MARYLAND

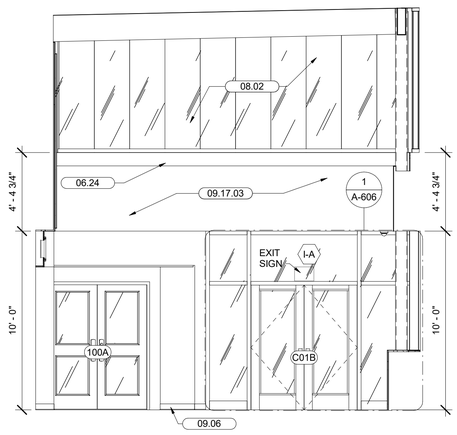
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.20	WOOD AND ACRYLIC BROCHURE DISPLAY.
06.24	PLYWOOD WITH GWB FINISH VALANCE CONSEALING LIGHT FIXTURE.
08.02	TRANSLUCENT UNITIZED PANEL WALL SYSTEM.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.07.01	CT-1
09.14	AWP-2, FABRIC WRAPED ACOUSTICAL WALL PANEL, FB-1.
09.17.01	PT-1.
09.17.02	PT-2.
09.17.03	PT-3.
09.17.04	PT-4.
09.19	SSM-1.
09.51	DRYWALL REVEAL MOLDING 1/2" x 1/2" NON-VENTED.
10.24	INTERIOR SIGNAGE, SEE SIGNAGE PLAN.
11.30	ELECTRIC WATER COOLER.
27.02	AV MONITOR, SEE TA DRAWINGS.



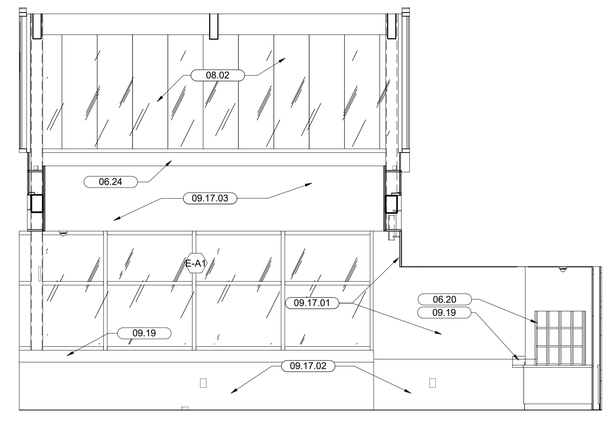
17 LOBBY FALSE GRILLE DETAIL
1" = 1'-0"



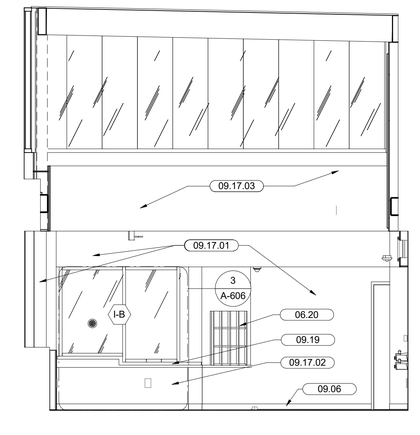
1 LOBBY 100 - N
1/4" = 1'-0"



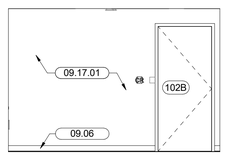
2 LOBBY 100 - E
1/4" = 1'-0"



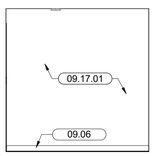
3 LOBBY 100 - S
1/4" = 1'-0"



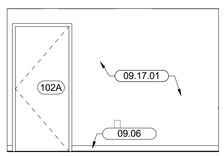
4 LOBBY 100 - W
1/4" = 1'-0"



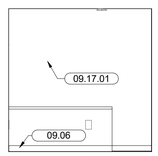
5 INTERVIEW RM 102 - N
1/4" = 1'-0"



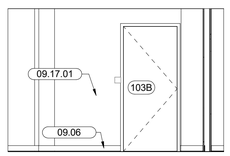
6 INTERVIEW RM 102 - E
1/4" = 1'-0"



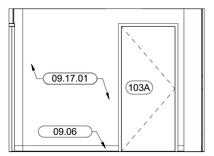
7 INTERVIEW RM 102 - S
1/4" = 1'-0"



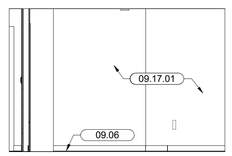
8 INTERVIEW RM 102 - W
1/4" = 1'-0"



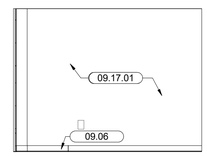
9 INTERVIEW RM 103 - N
1/4" = 1'-0"



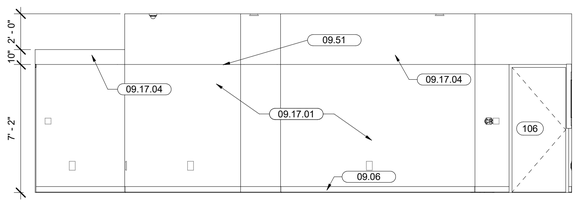
10 INTERVIEW RM 103 - E
1/4" = 1'-0"



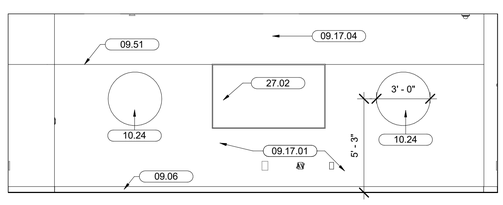
11 INTERVIEW RM 103 - S
1/4" = 1'-0"



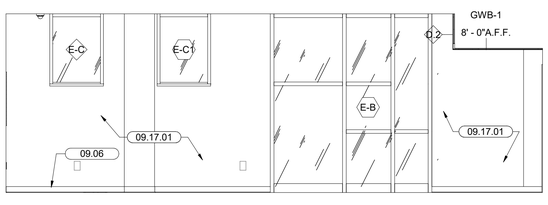
12 INTERVIEW RM 103 - W
1/4" = 1'-0"



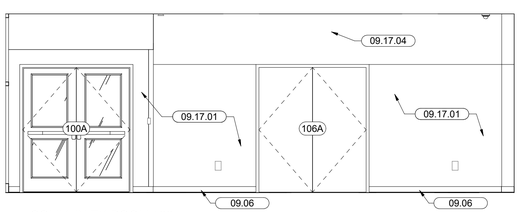
13 COMMUNITY ROOM 106 - N
1/4" = 1'-0"



14 COMMUNITY ROOM 106 - E
1/4" = 1'-0"



15 COMMUNITY ROOM 106 - S
1/4" = 1'-0"



16 COMMUNITY ROOM 106 - W
1/4" = 1'-0"

C:\Users\jhay\Documents\2213791A1 - BC OC Essex Police Station D3_JhayQZA1N8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ELEVATIONS - 1ST FL - LOBBY & PUBLIC SPACES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

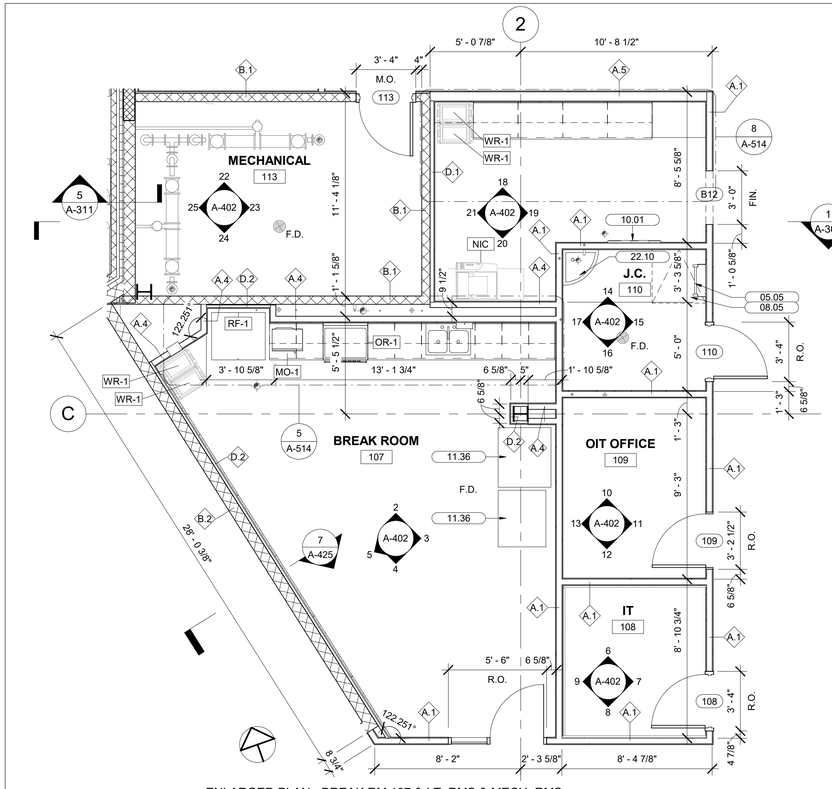
Murphy & Dittenhafer ARCHITECTS

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

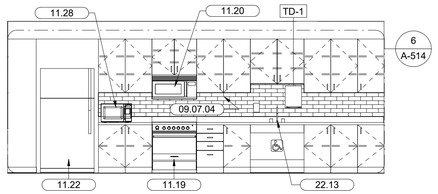
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-2446 fax

DWG FILENAME

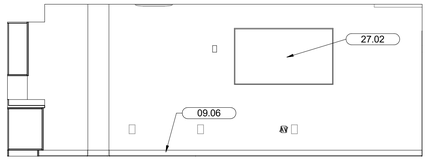
SHEET DESIGNATION	CONTRACT NUMBER
A-401	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 106 OF 295
	DRAWING NUMBER
	2025-0997
	FILE NO.: 8



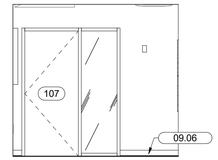
1 ENLARGED PLAN - BREAK RM 107 & I.T. RMS & MECH. RMS.
1/4" = 1'-0"



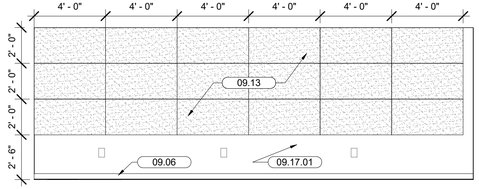
2 BREAK ROOM 107 - N
1/4" = 1'-0"



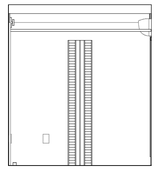
3 BREAK ROOM 107 - E
1/4" = 1'-0"



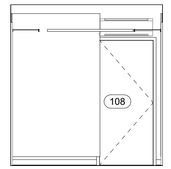
4 BREAK ROOM 107 - S
1/4" = 1'-0"



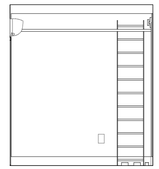
5 BREAK ROOM 107 - W
1/4" = 1'-0"



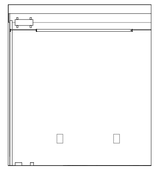
6 IT RM 108 - N
1/4" = 1'-0"



7 IT RM 108 - E
1/4" = 1'-0"



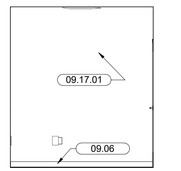
8 IT RM 108 - S
1/4" = 1'-0"



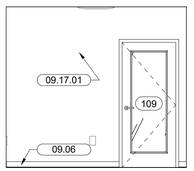
9 IT RM 108 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
05.05	ALUM. ACCESS LADDER, ROOF HATCH
08.05	ROOF ACCESS HATCH & ALUM LADDER.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.07.04	CT-3
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.04	MOP AND BROOM HOLDER.
11.19	COMMERCIAL 6-BURNER ELECTRIC RANGES/ OVENS.
11.20	COMMERCIAL MICROWAVE/RANGE HOOD COMBO.
11.22	COMMERCIAL COMBO REFRIGERATOR/ FREEZER.
11.28	MICROWAVE (RESIDENTIAL).
11.34	FLOOR PRINTER, NIC.
11.36	SALVAGED VENDING MACHINE.
22.10	MOP SINK.
22.13	STAINLESS STEEL DOUBLE BASIN KITCHEN SINK.
23.01	MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.
26.01	ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
27.02	AV MONITOR, SEE TA DRAWINGS.

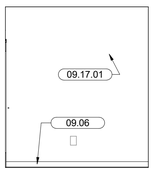
NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.



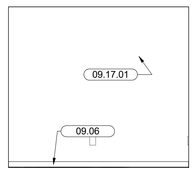
10 OIT OFFICE 109 - N
1/4" = 1'-0"



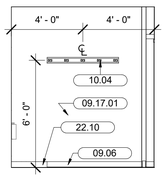
11 OIT OFFICE 109 - E
1/4" = 1'-0"



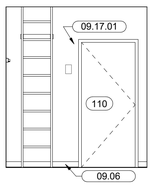
12 OIT OFFICE 109 - S
1/4" = 1'-0"



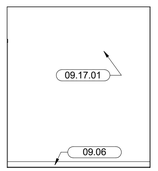
13 OIT OFFICE 109 - W
1/4" = 1'-0"



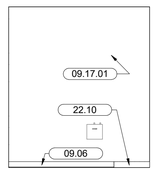
14 J.C. 110 - N
1/4" = 1'-0"



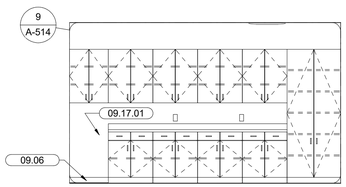
15 J.C. 110 - E
1/4" = 1'-0"



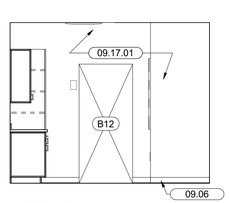
16 J.C. 110 - S
1/4" = 1'-0"



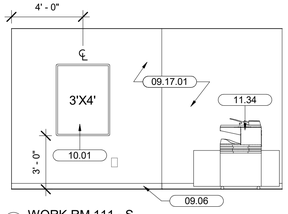
17 J.C. 110 - W
1/4" = 1'-0"



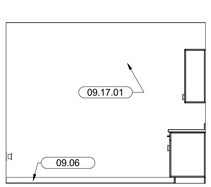
18 WORK RM 111 - N
1/4" = 1'-0"



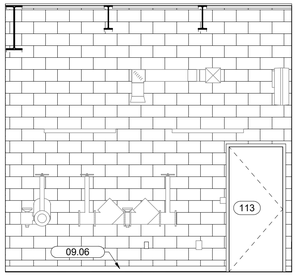
19 WORK RM 111 - E
1/4" = 1'-0"



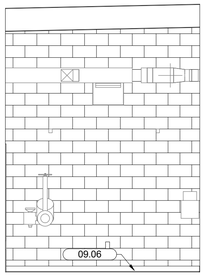
20 WORK RM 111 - S
1/4" = 1'-0"



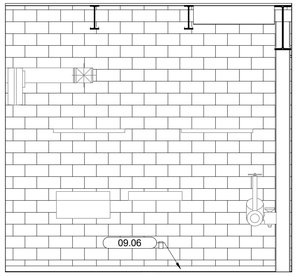
21 WORK RM 111 - W
1/4" = 1'-0"



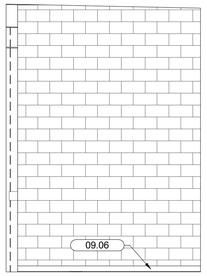
22 MECHANICAL ROOM 113 - N
1/4" = 1'-0"



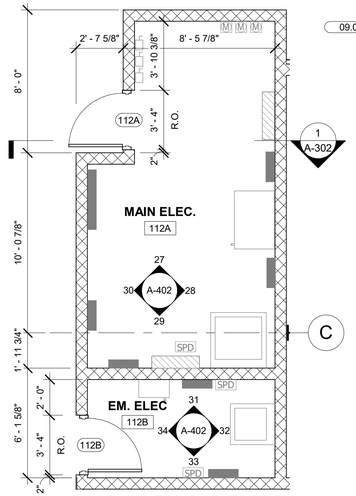
23 MECHANICAL ROOM 113 - E
1/4" = 1'-0"



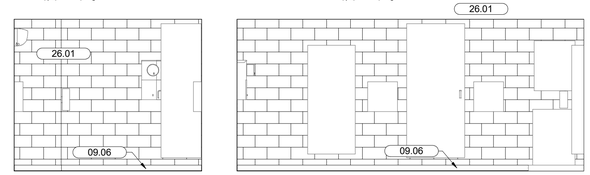
24 MECHANICAL ROOM 113 - S
1/4" = 1'-0"



25 MECHANICAL ROOM 113 - W
1/4" = 1'-0"

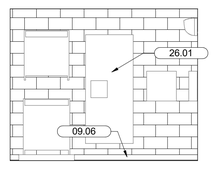


26 ENLARGED PLAN - ELECTRIC ROOMS
1/4" = 1'-0"

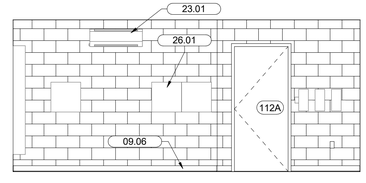


27 MAIN ELECTRIC 112A - N
1/4" = 1'-0"

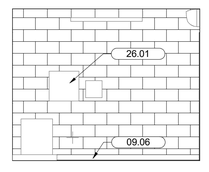
28 MAIN ELECTRIC 112A - E
1/4" = 1'-0"



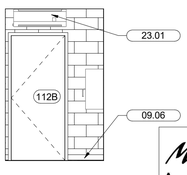
29 MAIN ELECTRIC 112A - S
1/4" = 1'-0"



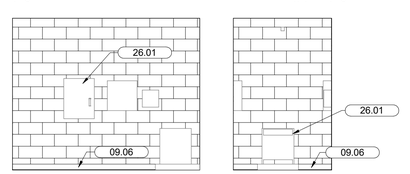
30 MAIN ELECTRIC 112A - W
1/4" = 1'-0"



33 EMERGENCY. ELEC. 112B - S
1/4" = 1'-0"



34 EM. ELEC. 112B - W
1/4" = 1'-0"



31 EMERGENCY. ELEC. 112B - N
1/4" = 1'-0"

32 EM. ELEC. 112B - E
1/4" = 1'-0"

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DWG FILENAME:

Murphy & Dittenhafer
ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
DRAWING SCALE: PLAN SCALE: 1/4" = 1'-0"; PROFILE SCALE:

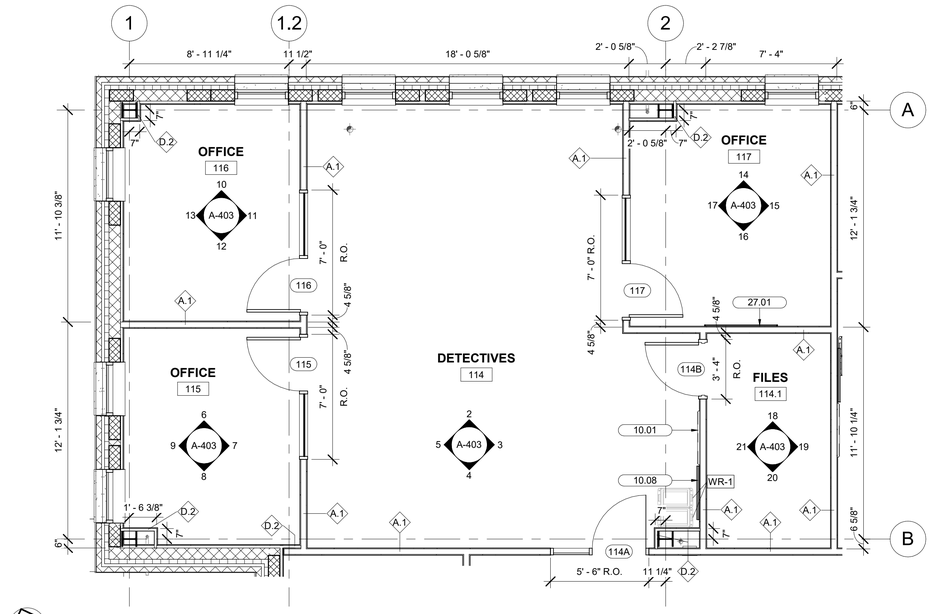
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

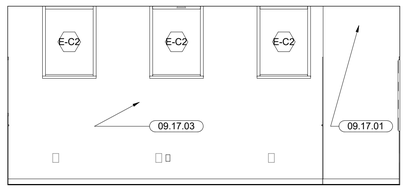
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ENLARGED PLANS & ELEVS. - 1ST FL - BREAK RM, IT RMS & MECH. RMS
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-402	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 107 OF 295
	DRAWING NUMBER
	2025-0998
	FILE NO.: 8 REV. 05/22

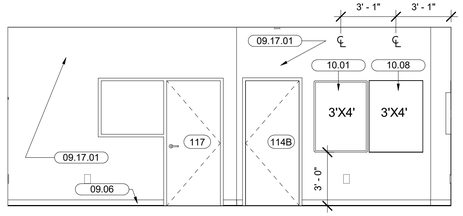
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
09.17.03	PT-3.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



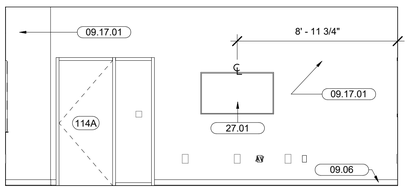
1 ENLARGED PLAN - DECTIVES SUITE
1/4" = 1'-0"



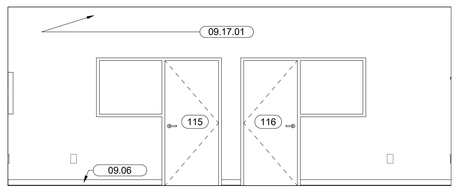
2 DETECTIVES SUITE - N
1/4" = 1'-0"



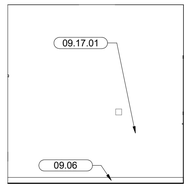
3 DETECTIVES SUITE - E
1/4" = 1'-0"



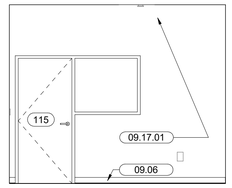
4 DETECTIVES SUITE - S
1/4" = 1'-0"



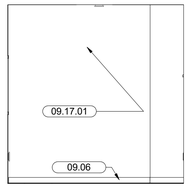
5 DETECTIVES SUITE - W
1/4" = 1'-0"



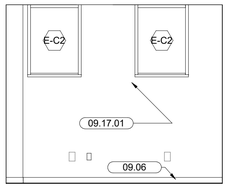
6 OFFICE 115 - N
1/4" = 1'-0"



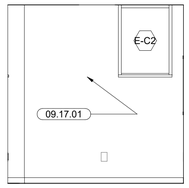
7 OFFICE 115 - E
1/4" = 1'-0"



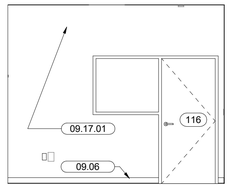
8 OFFICE 115 - S
1/4" = 1'-0"



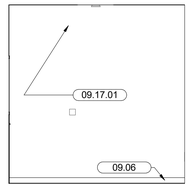
9 OFFICE 115 - W
1/4" = 1'-0"



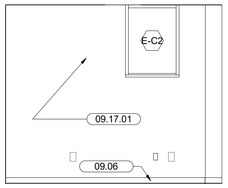
10 OFFICE 116 - N
1/4" = 1'-0"



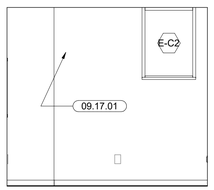
11 OFFICE 116 - E
1/4" = 1'-0"



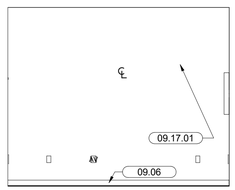
12 OFFICE 116 - S
1/4" = 1'-0"



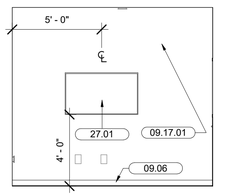
13 OFFICE 116 - W
1/4" = 1'-0"



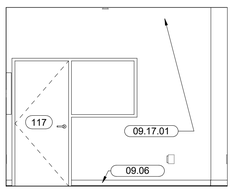
14 OFFICE 117 - N
1/4" = 1'-0"



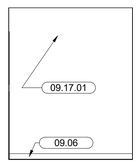
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1/4" = 1'-0"



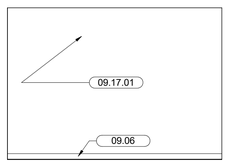
16 OFFICE 117 - S
1/4" = 1'-0"



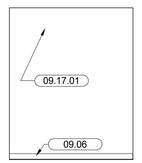
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1/4" = 1'-0"



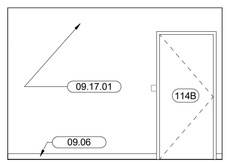
18 FILE RM 114.1 - N
1/4" = 1'-0"



19 FILE RM 114.1 - E
1/4" = 1'-0"



20 FILE RM 114.1 - S
1/4" = 1'-0"



21 FILE RM 114.1 - W
1/4" = 1'-0"

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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.					R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1/4" = 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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - DETECTIVES SUITE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

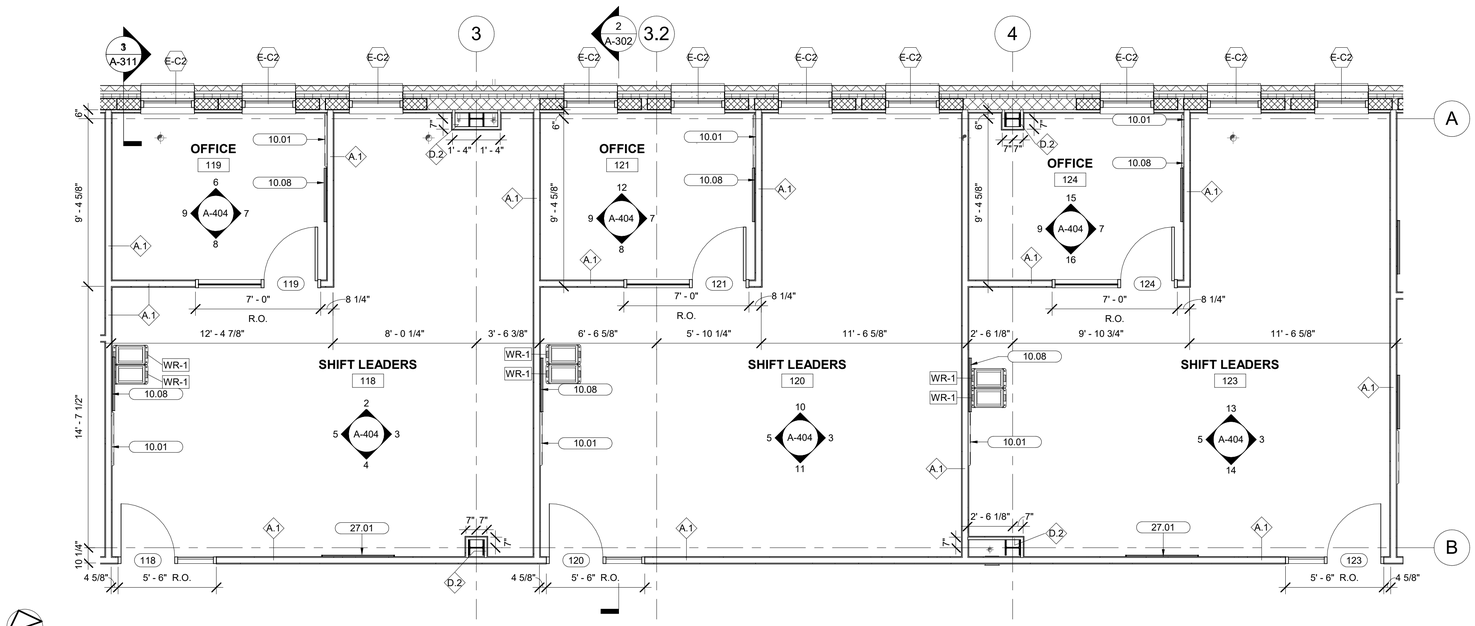
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

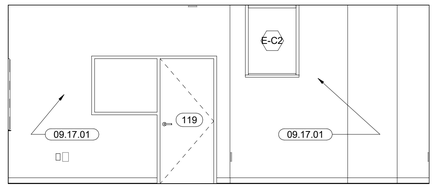
SHEET DESIGNATION	CONTRACT NUMBER
A-403	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 108 OF 295
	DRAWING NUMBER
	2025-0999
	FILE NO.: 8 REV. 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
27.01	CCTV MONITOR, SEE TA DRAWINGS.

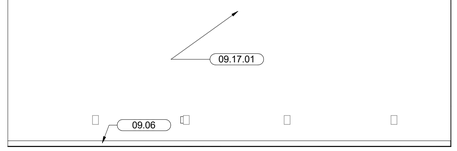


1 ENLARGED PLAN - SHIFT LEADER SUITES 118 & 120 & 123
1/4" = 1'-0"

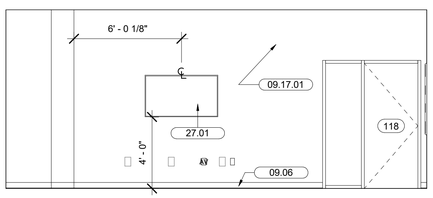
A-424



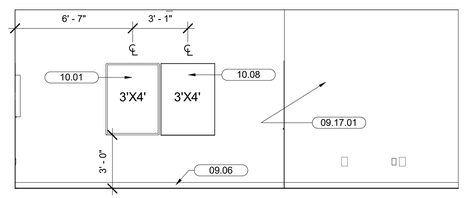
2 SHIFT LEADERS SUITE 118 - N
1/4" = 1'-0"



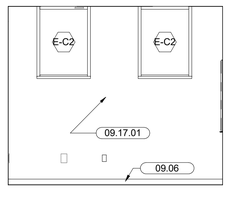
3 SHIFT LEADERS SUITE 118 - E, 120 - E, 123 - E, SIM.
1/4" = 1'-0"



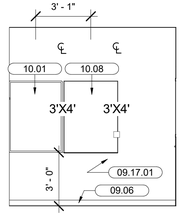
4 SHIFT LEADERS SUITE 118 - S
1/4" = 1'-0"



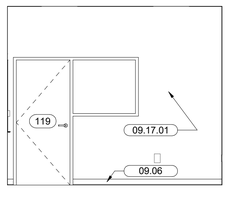
5 SHIFT LEADERS SUITE 118 - W, 120 - W, 123 -W, SIM.
1/4" = 1'-0"



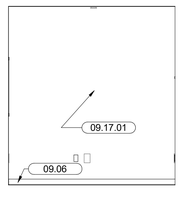
6 OFFICE 119 - N
1/4" = 1'-0"



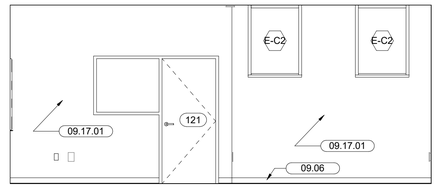
7 OFFICE 119 - E, 121 - E, 124 - E, SIM
1/4" = 1'-0"



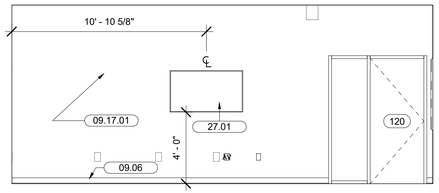
8 OFFICE 119 - S, 121 - S, SIM.
1/4" = 1'-0"



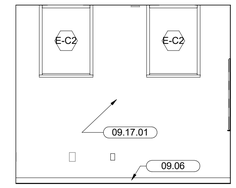
9 OFFICE 119 - W, 121 - W, 124 - W, SIM.
1/4" = 1'-0"



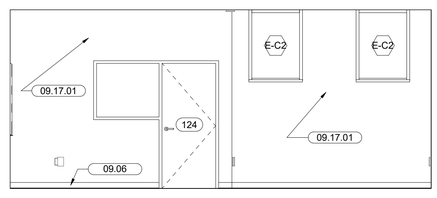
10 SHIFT LEADERS SUITE 120 - N
1/4" = 1'-0"



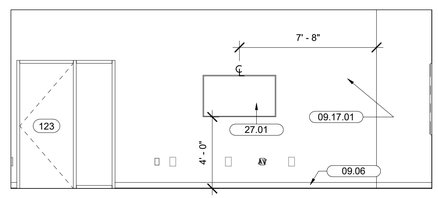
11 SHIFT LEADERS SUITE 120 - S
1/4" = 1'-0"



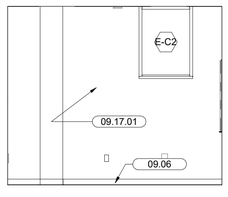
12 OFFICE 121 - N
1/4" = 1'-0"



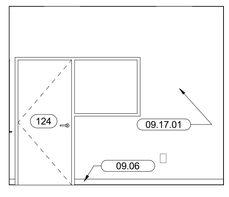
13 SHIFT LEADERS SUITE 123 - N
1/4" = 1'-0"



14 SHIFT LEADERS SUITE 123 - S
1/4" = 1'-0"



15 OFFICE 124 - N
1/4" = 1'-0"



16 OFFICE 124 - S
1/4" = 1'-0"

C:\Users\dwg\Documents\2215911 - BC OC Essex Police Station DD_dwgQZ_NS.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-3446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-404	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 109 OF 295
	DRAWING NUMBER
	2025-1000
	FILE NO.: 8 REV: 03/02

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

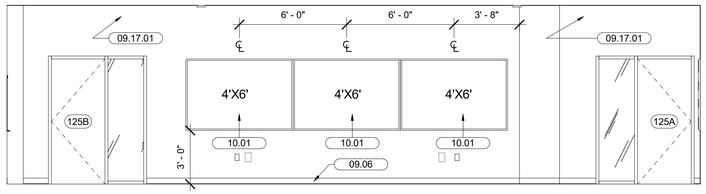
ENLARGED PLANS & ELEVS. - 1ST FL - SHIFT LEADER SUITES

RENOVATION & ADDITION

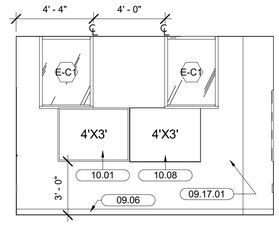
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

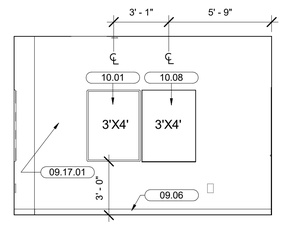
ELECTION DIST. NO.: 15C7



4 B.P.I. & TRAFFIC SUITE 125 - S
1/4" = 1'-0"

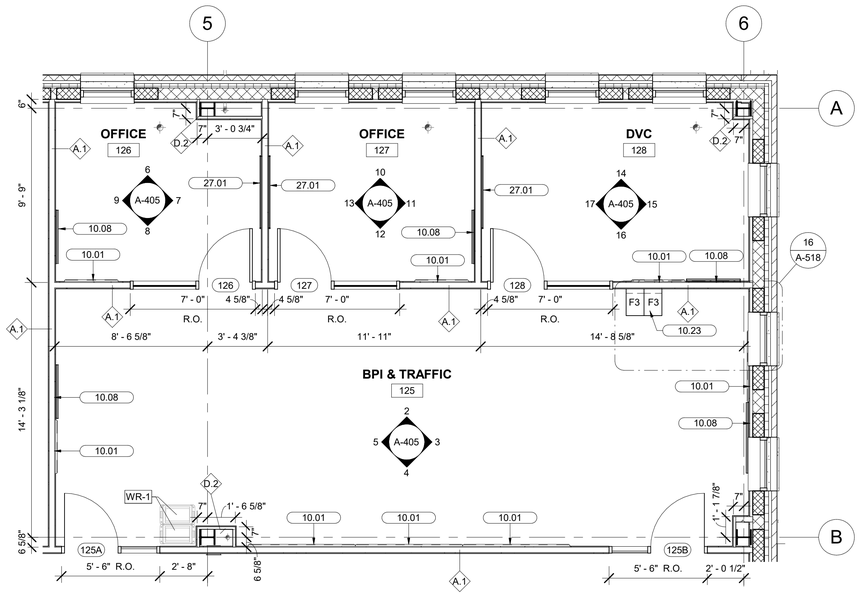


3 B.P.I. & TRAFFIC SUITE 125 - E
1/4" = 1'-0"

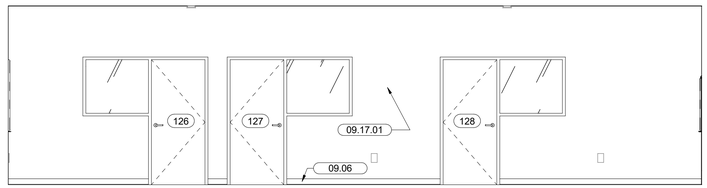


5 B.P.I. & TRAFFIC SUITE 125 - W
1/4" = 1'-0"

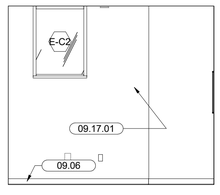
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
10.23	WELDED METAL LOCKER, STOP STICK STORAGE.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



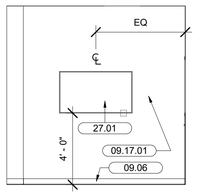
1 ENLARGED PLAN - B.P.I. & TRAFFIC SUITE 125 & D.V.C. SUITE 128
1/4" = 1'-0"



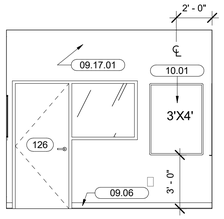
2 B.P.I. & TRAFFIC SUITE 125 - N
1/4" = 1'-0"



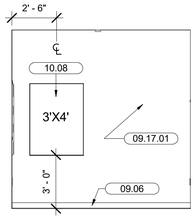
6 OFFICE 126 - N
1/4" = 1'-0"



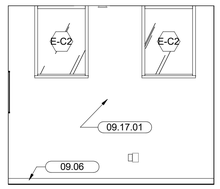
7 OFFICE 126 - E
1/4" = 1'-0"



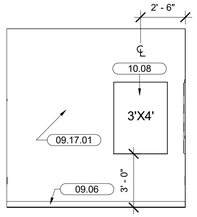
8 OFFICE 126 - S
1/4" = 1'-0"



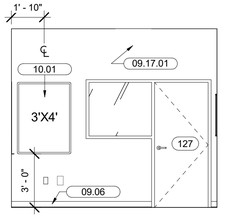
9 OFFICE 126 - W
1/4" = 1'-0"



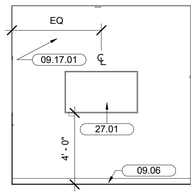
10 OFFICE 127 - N
1/4" = 1'-0"



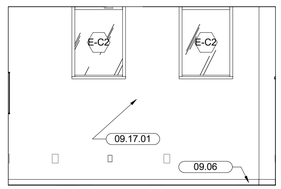
11 OFFICE 127 - E
1/4" = 1'-0"



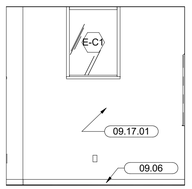
12 OFFICE 127 - S
1/4" = 1'-0"



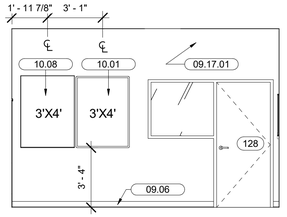
13 OFFICE 127 - W
1/4" = 1'-0"



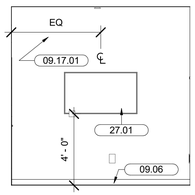
14 D.V.C. SUITE 128 - N
1/4" = 1'-0"



15 D.V.C. SUITE 128 - E
1/4" = 1'-0"



16 D.V.C. SUITE 128 - S
1/4" = 1'-0"



17 D.V.C. SUITE 128 - W
1/4" = 1'-0"

C:\Users\dwg\Documents\2213791A1 - BC OC Essex Police Station D3_dwgQZA1N8.rvt

Murphy & Dittenhafer ARCHITECTS
300 North Charles Street, Baltimore, Maryland 21201 410-625-4620 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2449 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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: ISW | POSITION SHT: 7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - BPI, TRAFFIC & DVC SUITES

RENOVATION & ADDITION

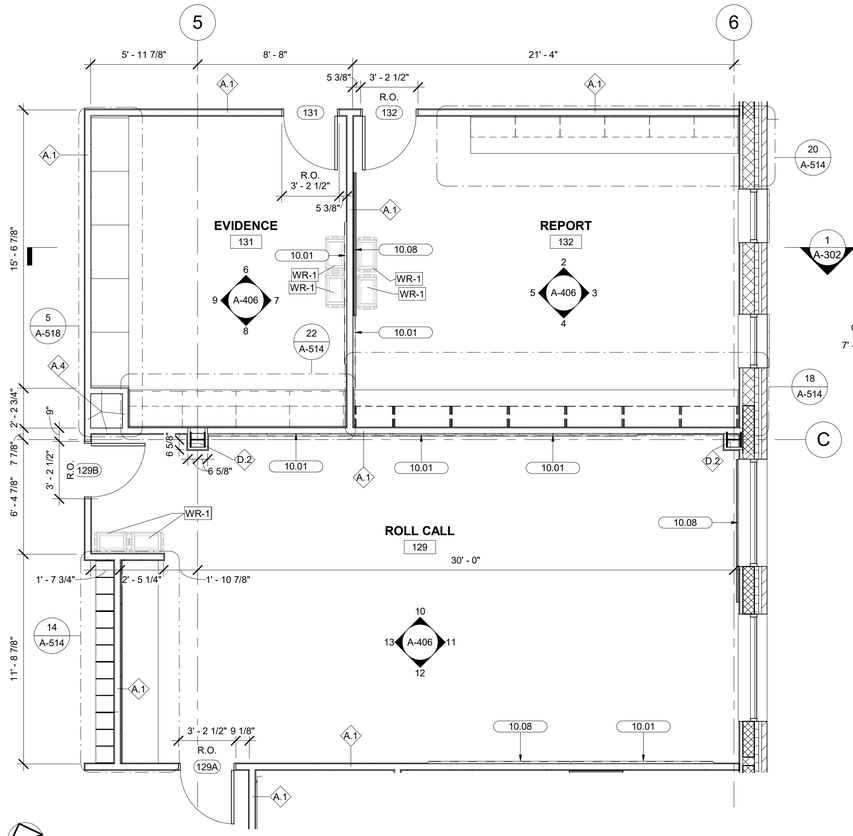
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

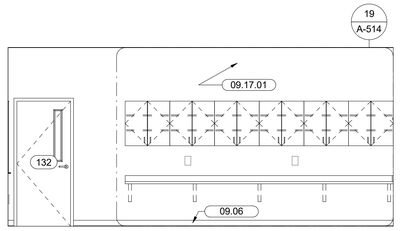
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-405	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 110 OF 295
	DRAWING NUMBER
	2025-1001
	FILE NO.: 8 REV. 03/03

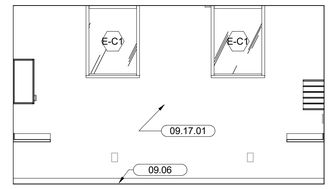
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
10.25	WELDED METAL EVIDENCE STORAGE LOCKER.
27.02	AV MONITOR, SEE TA DRAWINGS.



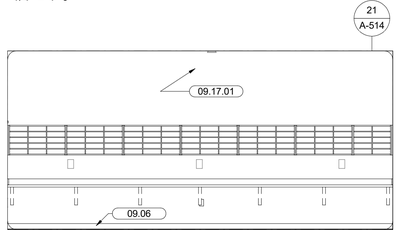
1 ENLARGED PLAN - ROLL CALL & EVID. PROC. & REPORT WRITING RM
1/4" = 1'-0"



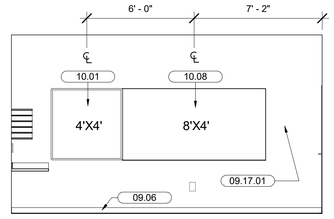
2 REPORT WRITING RM 132 - N
1/4" = 1'-0"



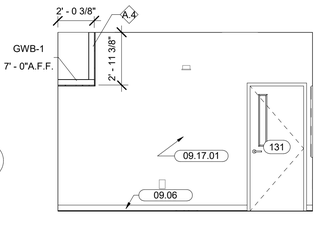
3 REPORT WRITING RM 132 - E
1/4" = 1'-0"



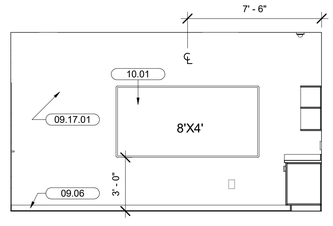
4 REPORT WRITING RM 132 - S
1/4" = 1'-0"



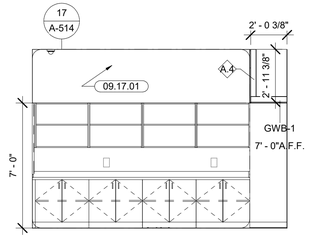
5 REPORT WRITING RM 132 - W
1/4" = 1'-0"



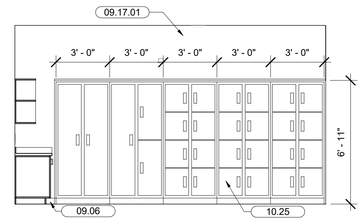
6 EVIDENCE PROCESSING RM 131 - N
1/4" = 1'-0"



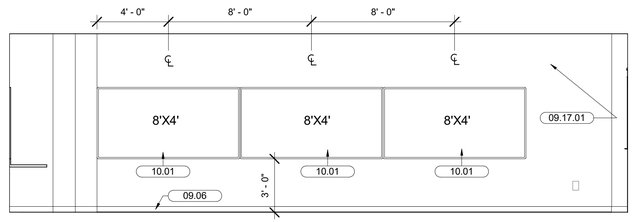
7 EVIDENCE PROCESSING RM 131 - E
1/4" = 1'-0"



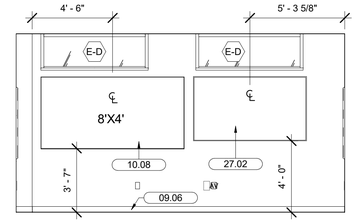
8 EVIDENCE PROCESSING RM 131 - S
1/4" = 1'-0"



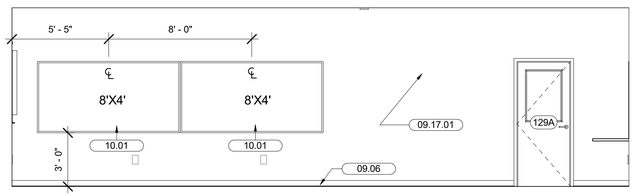
9 EVIDENCE PROCESSING RM 131 - W
1/4" = 1'-0"



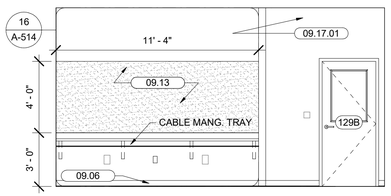
10 ROLL CALL & MAIL RM 129 - N
1/4" = 1'-0"



11 ROLL CALL & MAIL RM 129 - E
1/4" = 1'-0"



12 ROLL CALL & MAIL RM 129 - S
1/4" = 1'-0"



13 ROLL CALL & MAIL RM 129 - W
1/4" = 1'-0"

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 717-843-2446 fax

DWG FILENAME: C:\Users\dwg\Documents\2219\A1 - BC OC Essex Police Station DD_dwgQZ.ZNS.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-406	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 111 OF 295
	DRAWING NUMBER
	2025-1002
	FILE NO.: 8 REV 25/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - ROLL CALL, EVID. PROC. & REPORT WRITING

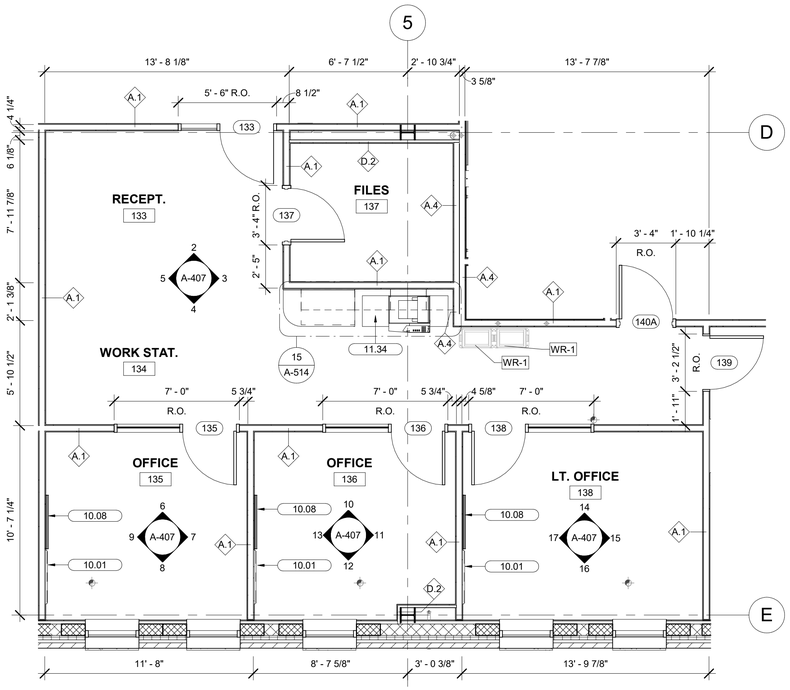
RENOVATION & ADDITION

SUBDIVISION: ESSEX

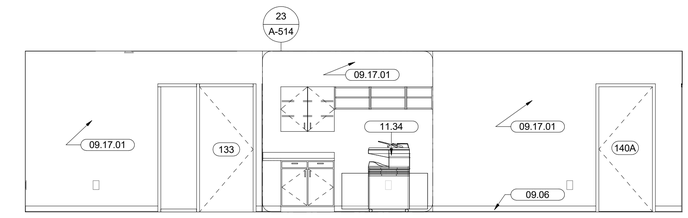
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

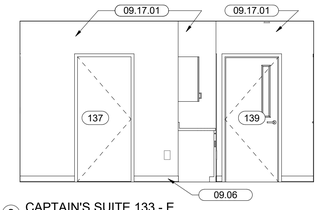
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
11.34	FLOOR PRINTER, NIC.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



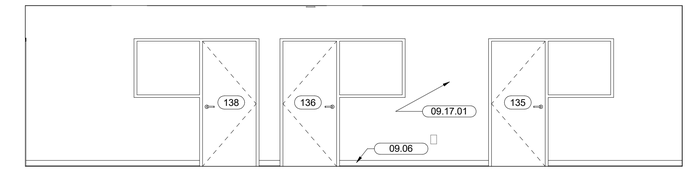
1 FIRST FLOOR - ENLARGED PLAN PART B - Callout 1
1/4" = 1'-0"



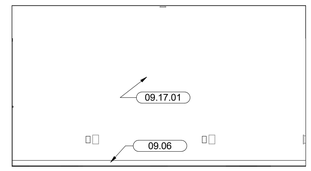
2 CAPTAIN'S SUITE 133 - N
1/4" = 1'-0"



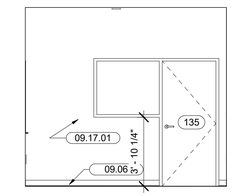
3 CAPTAIN'S SUITE 133 - E
1/4" = 1'-0"



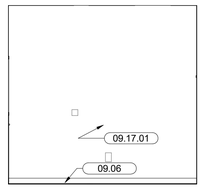
4 CAPTAIN'S SUITE 133 - S
1/4" = 1'-0"



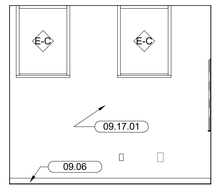
5 CAPTAIN'S SUITE 133 - W
1/4" = 1'-0"



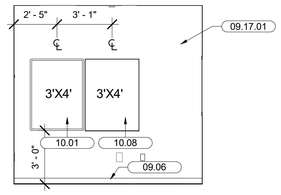
6 OFFICE 135 - N
1/4" = 1'-0"



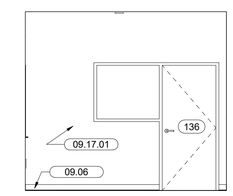
7 OFFICE 135 - E
1/4" = 1'-0"



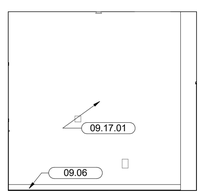
8 OFFICE 135 - S
1/4" = 1'-0"



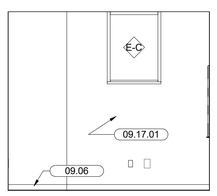
9 OFFICE 135 - W
1/4" = 1'-0"



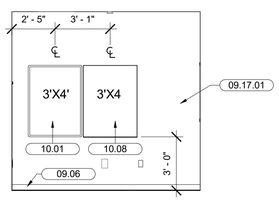
10 OFFICE 136 - N
1/4" = 1'-0"



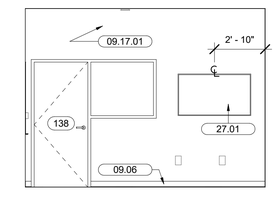
11 OFFICE 136 - E
1/4" = 1'-0"



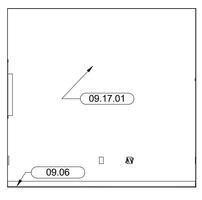
12 OFFICE 136 - S
1/4" = 1'-0"



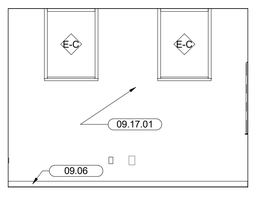
13 OFFICE 136 - W
1/4" = 1'-0"



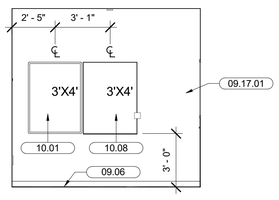
14 OFFICE 138 - N
1/4" = 1'-0"



15 OFFICE 138 - E
1/4" = 1'-0"



16 OFFICE 138 - S
1/4" = 1'-0"



17 OFFICE 138 - W
1/4" = 1'-0"

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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	DSN BY: JAT										
AS-BUILT PER RECORD PRINT	DWN BY: DWG/AWU										
BY:	CHKD BY: RLM										
DATE:											

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - CAPTAIN'S SUITE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

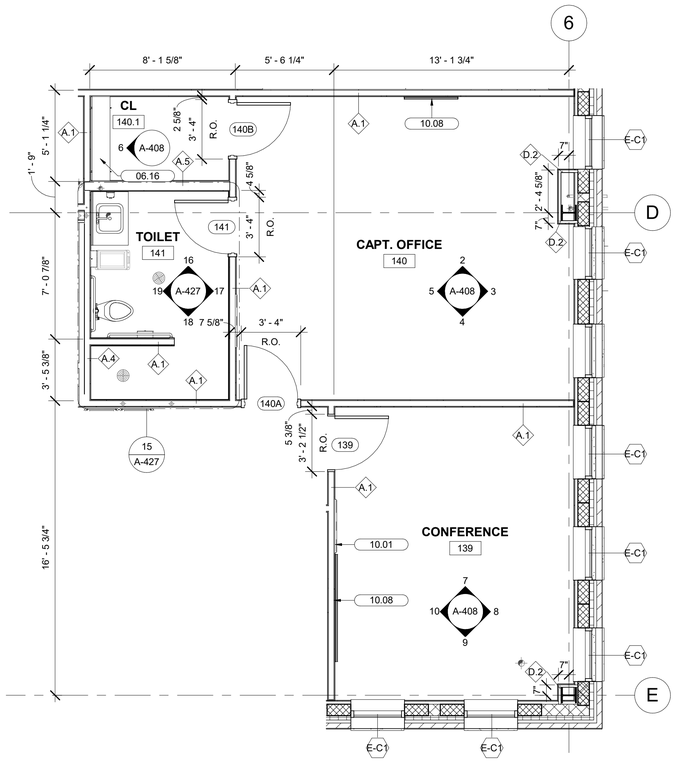
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

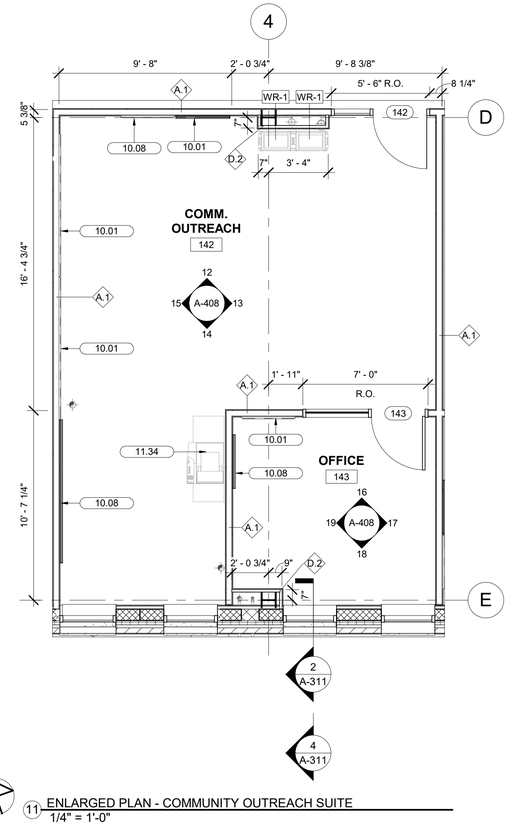
Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-840-2446 fax

DWG FILENAME: C:\Users\dwg\Documents\223 59\51 - BC OC Essex Police Station DD_dwgQZ3N8.rvt

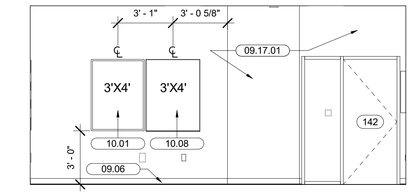
SHEET DESIGNATION	CONTRACT NUMBER
A-407	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 112 OF 295
	DRAWING NUMBER
	2025-1003
	FILE NO.: 8 REV: 03/22



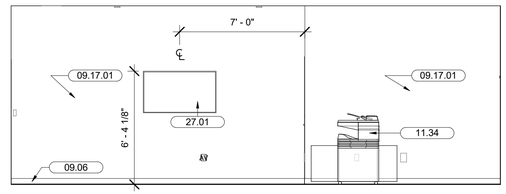
1 ENLARGED PLAN - CAPTAIN'S OFFICE & CONFERENCE RM
1/4" = 1'-0"



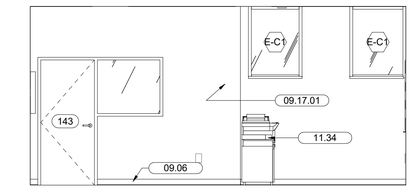
11 ENLARGED PLAN - COMMUNITY OUTREACH SUITE
1/4" = 1'-0"



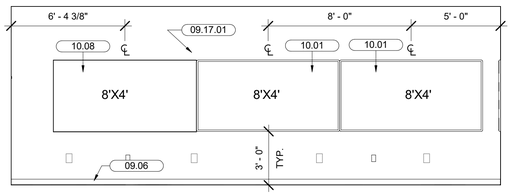
12 COMMUNITY OUTREACH SUITE 142 - N
1/4" = 1'-0"



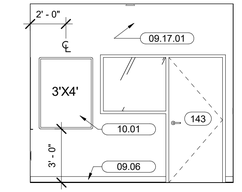
13 COMMUNITY OUTREACH SUITE 142 - E
1/4" = 1'-0"



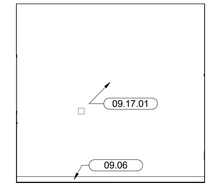
14 COMMUNITY OUTREACH SUITE 142 - S
1/4" = 1'-0"



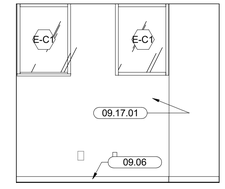
15 COMMUNITY OUTREACH SUITE 142 - W
1/4" = 1'-0"



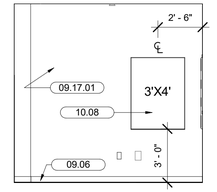
16 OFFICE 143 - N
1/4" = 1'-0"



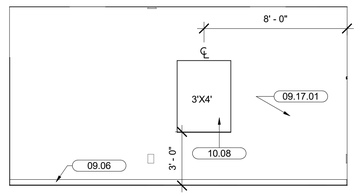
17 OFFICE 143 - E
1/4" = 1'-0"



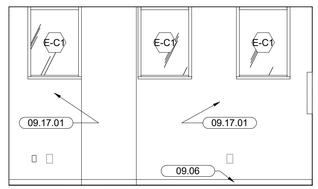
18 OFFICE 143 - S
1/4" = 1'-0"



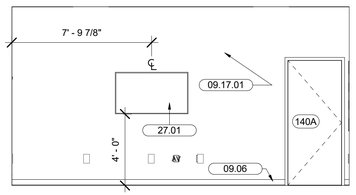
19 OFFICE 143 - W
1/4" = 1'-0"



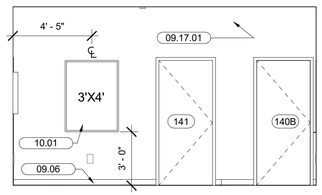
2 CAPTAIN'S OFFICE 140 - N
1/4" = 1'-0"



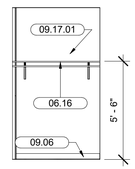
3 CAPTAIN'S OFFICE 140 - E
1/4" = 1'-0"



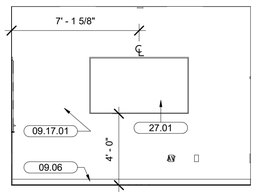
4 CAPTAIN'S OFFICE 140 - S
1/4" = 1'-0"



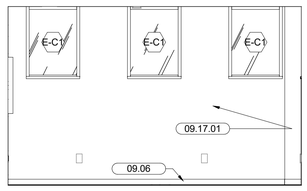
5 CAPTAIN'S OFFICE 140 - W
1/4" = 1'-0"



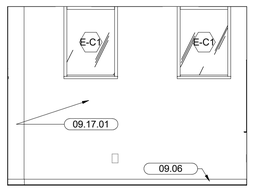
6 CAPT. CLOSET - N
1/4" = 1'-0"



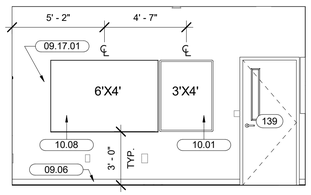
7 CONFERENCE ROOM 139 - N
1/4" = 1'-0"



8 CONFERENCE ROOM 139 - E
1/4" = 1'-0"



9 CONFERENCE ROOM 139 - S
1/4" = 1'-0"



10 CONFERENCE ROOM 139 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.16	SHELF & HANGER RACK.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
11.34	FLOOR PRINTER, NIC.
27.01	CCTV MONITOR, SEE TA DRAWINGS.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQ2AN8.rvt

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-840-2446 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD, FRANK ELWOOD DITTENHAFER, II, 6607-A, STATE OF MARYLAND, 7/14/2025

DATE: JULY 14, 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

BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY: PROPERTY MANAGER
			PROFILE SCALE:	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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - CAPTAIN'S OFFICE, CONF. RM & COMM. OUT.

RENOVATION & ADDITION

SUBDIVISION: ESSEX

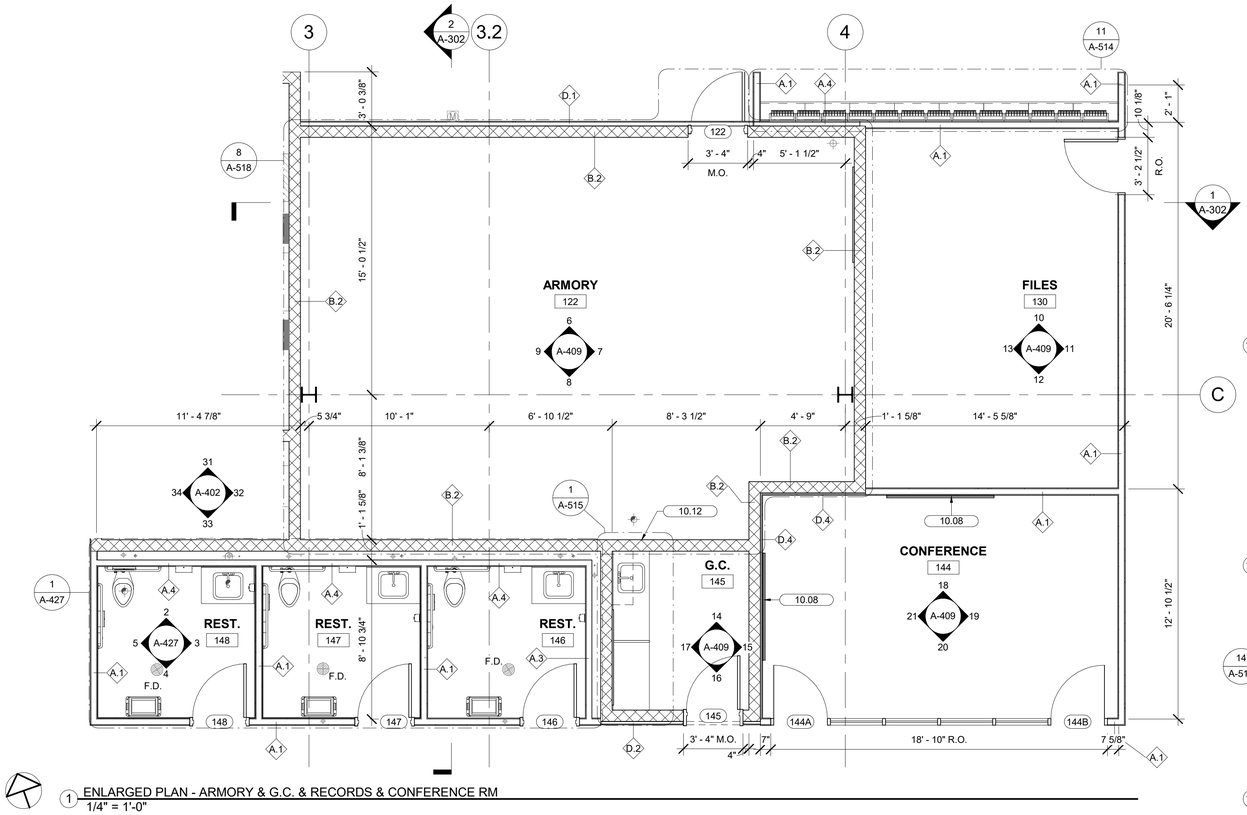
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

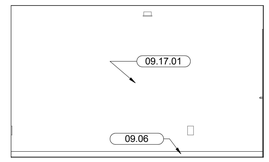
SHEET DESIGNATION	CONTRACT NUMBER
A-408	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 113 OF 295
	DRAWING NUMBER
	2025-1004
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

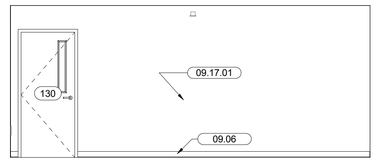
REV. 03/22



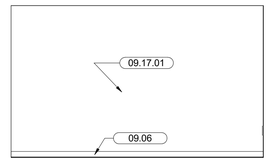
1 ENLARGED PLAN - ARMORY & G.C. & RECORDS & CONFERENCE RM
1/4" = 1'-0"



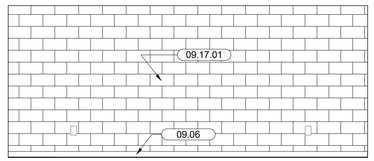
10 FILES 130 - N
1/4" = 1'-0"



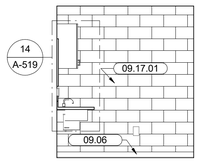
11 FILES 130 - E
1/4" = 1'-0"



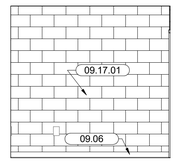
12 FILES 130 - S
1/4" = 1'-0"



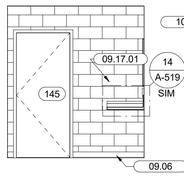
13 FILES 130 - W
1/4" = 1'-0"



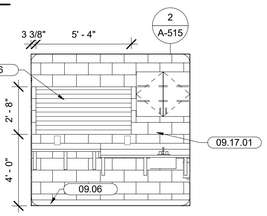
14 GUN CLEANING RM 145 - N
1/4" = 1'-0"



15 GUN CLEANING RM 145 - E
1/4" = 1'-0"



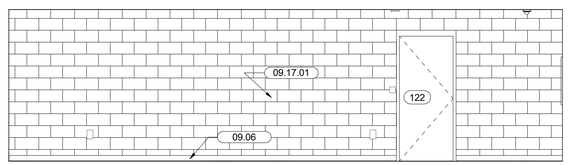
16 GUN CLEANING RM 145 - S
1/4" = 1'-0"



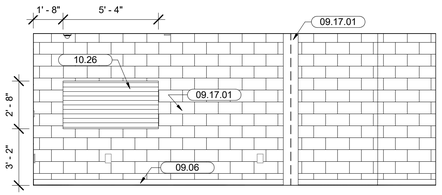
17 GUN CLEANING RM 145 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
10.12	THROUGH WALL VENTILATION FOR GUN CLEANING CHEMICALS.
10.26	PEGBOARD, DIRECT ATTACHED.
27.02	AV MONITOR, SEE TA DRAWINGS.

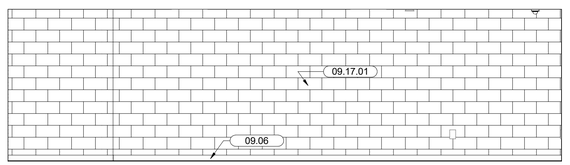
NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.



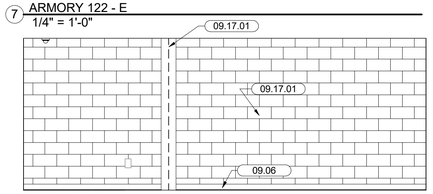
6 ARMORY 122 - N
1/4" = 1'-0"



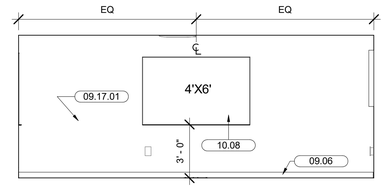
7 ARMORY 122 - E
1/4" = 1'-0"



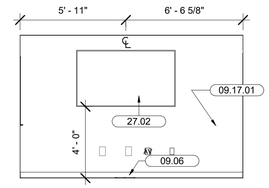
8 ARMORY 122 - S
1/4" = 1'-0"



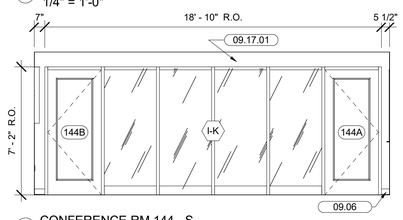
9 ARMORY 122 - W
1/4" = 1'-0"



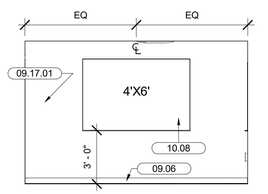
18 CONFERENCE RM 144 - N
1/4" = 1'-0"



19 CONFERENCE RM 144 - E
1/4" = 1'-0"



20 CONFERENCE RM 144 - S
1/4" = 1'-0"



21 CONFERENCE RM 144 - W
1/4" = 1'-0"

C:\Users\jhay\Documents\2021\9A1 - BC OC Essex Police Station DD_jhayQZA1N8.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 717-848-6827 voice 717-843-2448 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-409	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 114 OF 295
	DRAWING NUMBER
	2025-1005
	FILE NO.: 8

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - ARMORY, GUN CLEAN, RECORDS & CONF. RM

RENOVATION & ADDITION

SUBDIVISION: ESSEX

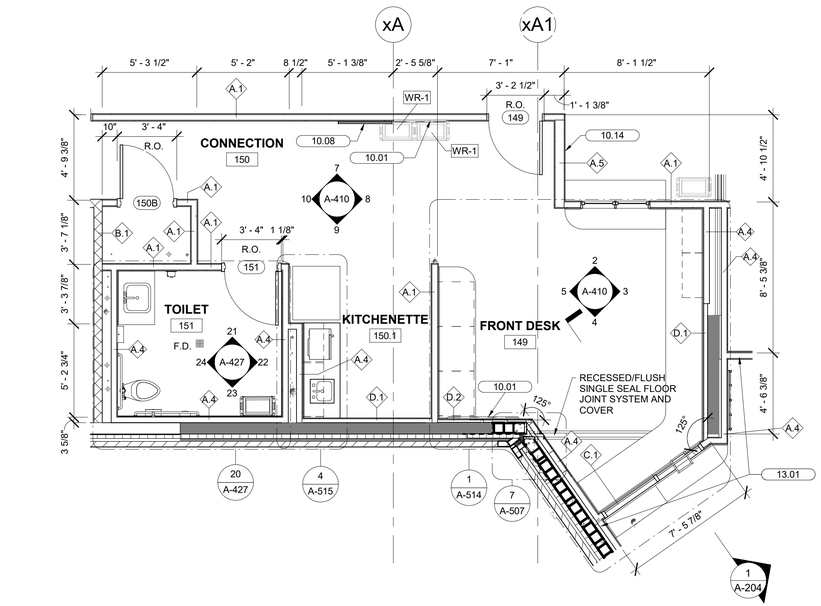
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

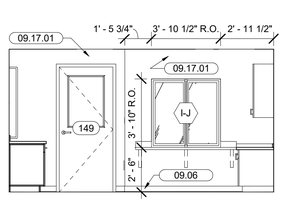
BALTIMORE COUNTY MARYLAND

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
09.17.04	PT-4.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
10.14	6 COMPARTMENT PISTOL LOCKER - FLUSH.
11.24	COMMERCIAL REFRIGERATORS.
11.28	MICROWAVE (RESIDENTIAL).
13.01	LVL 3 KEVLAR PANELS WITHIN WALL PARTITION UNDER COUNTER AND SSM WALL COVERINGS UNDER COUNTER. REFER TO PARTITION TYPES FOR DETAILS.
27.01	CCTV MONITOR, SEE TA DRAWINGS.

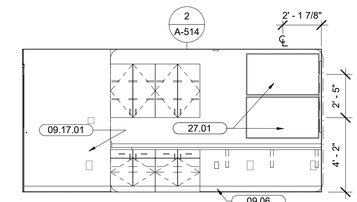
NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.



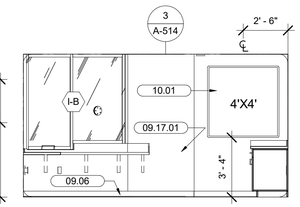
1 ENLARGED PLAN - FRONT DESK AND CONNECTION TO CONTROL
1/4" = 1'-0"



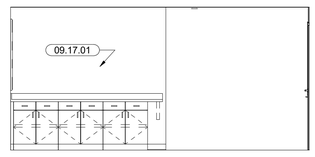
2 FRONT DESK 149 - N
1/4" = 1'-0"



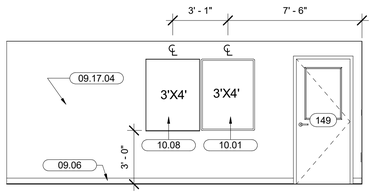
3 FRONT DESK 149 - E
1/4" = 1'-0"



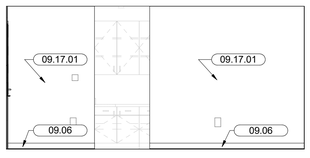
4 FRONT DESK 149 - S
1/4" = 1'-0"



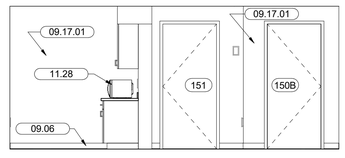
5 FRONT DESK 149 - W
1/4" = 1'-0"



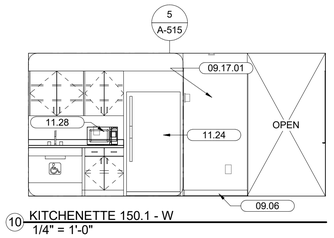
7 CONNECTION HALL 150 - N
1/4" = 1'-0"



8 CONNECTION HALL 150 - E
1/4" = 1'-0"



9 CONNECTION HALL 150 - S
1/4" = 1'-0"



10 KITCHENETTE 150.1 - W
1/4" = 1'-0"

C:\Users\dbyg\Documents\2213931 - BC OC Essex Police Station DD_dbygQZANS8.rvt

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 RAMSAY ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025	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.						7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY: PROPERTY MANAGER
DATE : JULY 14, 2025	LICENSE NO. 6607 EXPIRATION DATE 06/13/2027	CONTRACT COMPLETION BOX			R.O.W NO.	ISW		PROFILE SCALE:	DATE:
	ARCHITECT: Frank Elwood Dittenhafer, II	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT	REVIEWED BY:							
	BY: DATE:	DATE REVIEWED:							

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

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - FRONT DESK & CONTROL DESK CONNECTOR

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

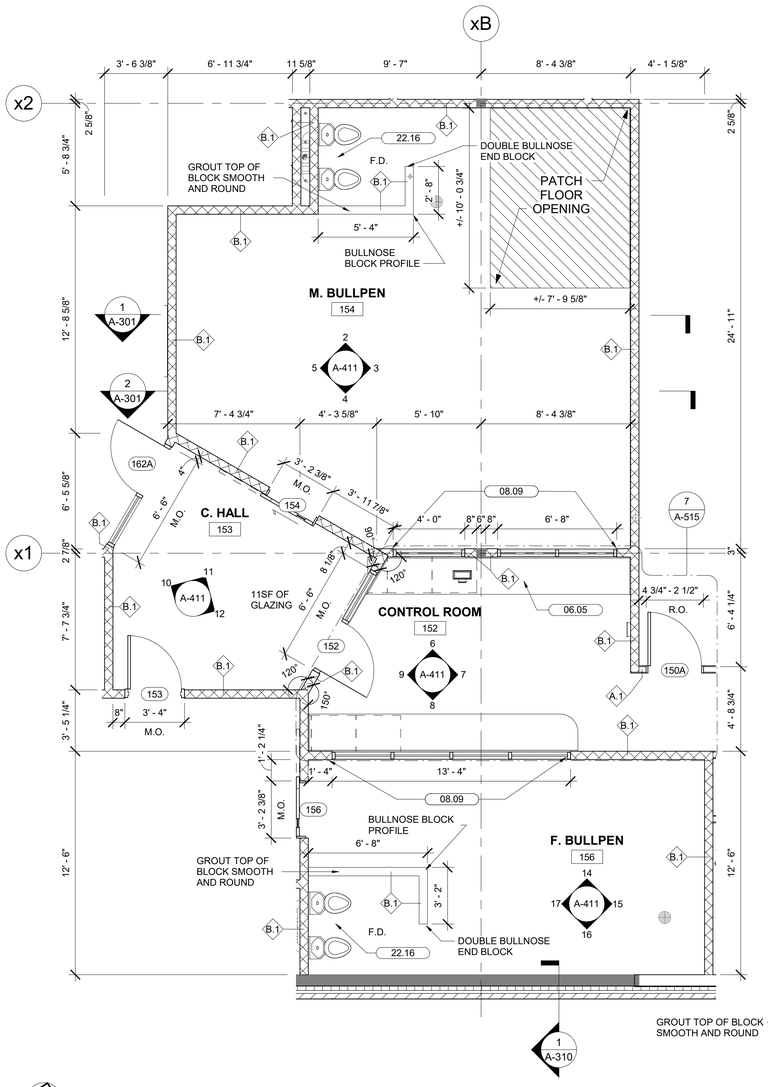
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2446 fax

DWG. FILENAME:

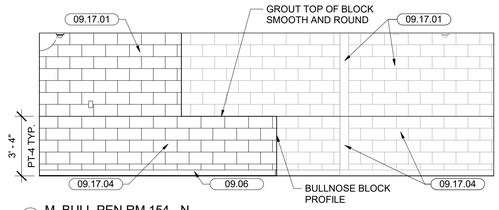
SHEET DESIGNATION	CONTRACT NUMBER
A-410	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 115 OF 295
	DRAWING NUMBER
	2025-1006
	FILE NO.: 8 REV. 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.05	SSM C. TOP w/ BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
08.09	IMPACT GLAZING SF SYSTEM.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
09.17.04	PT-4.
22.16	S.S. TOILET/SINK COMBO. REFER TO PLUMBING DRAWINGS FOR DETAILS.
27.01	CCTV MONITOR, SEE TA DRAWINGS.

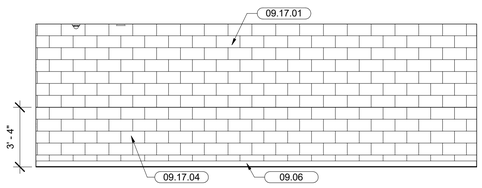
NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.



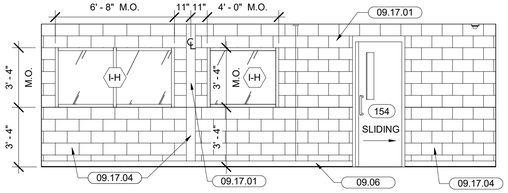
1 ENLARGED PLAN - CONTROL AND BULL PENS
1/4" = 1'-0"



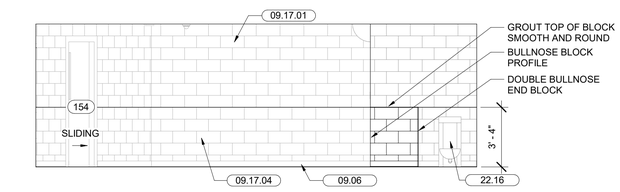
2 M. BULL PEN RM 154 - N
1/4" = 1'-0"



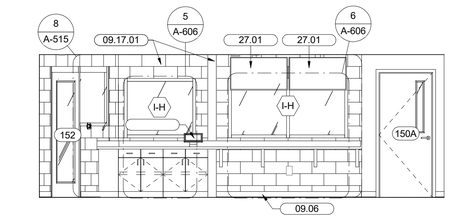
3 M. BULL PEN RM 154 - E
1/4" = 1'-0"



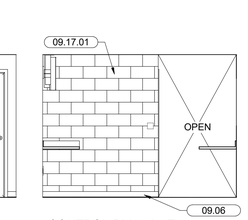
4 M. BULL PEN RM 154 - S
1/4" = 1'-0"



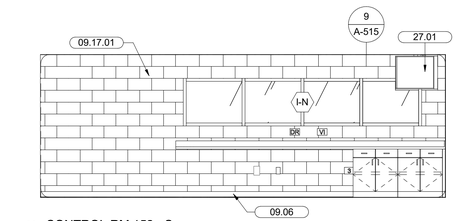
5 M. BULLPEN RM 154 - W
1/4" = 1'-0"



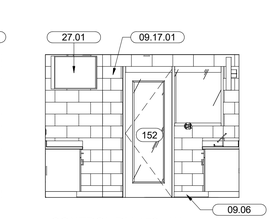
6 CONTROL RM 152 - N
1/4" = 1'-0"



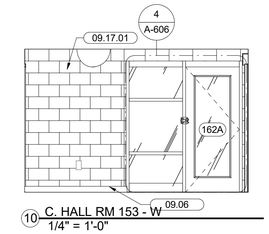
7 CONTROL RM 152 - E
1/4" = 1'-0"



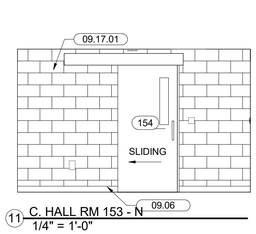
8 CONTROL RM 152 - S
1/4" = 1'-0"



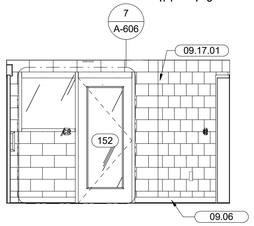
9 CONTROL RM 152 - W
1/4" = 1'-0"



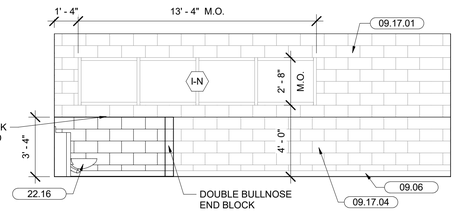
10 C. HALL RM 153 - W
1/4" = 1'-0"



11 C. HALL RM 153 - N
1/4" = 1'-0"

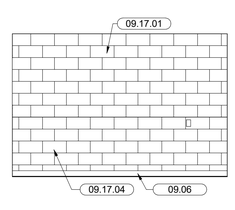


12 C. HALL RM 153 - E
1/4" = 1'-0"

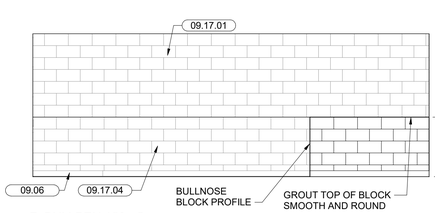


GROUT TOP OF BLOCK SMOOTH AND ROUND

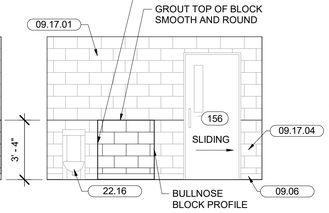
14 F. BULLPEN 156 - N
1/4" = 1'-0"



15 F. BULLPEN 156 - E
1/4" = 1'-0"



16 F. BULLPEN 156 - S
1/4" = 1'-0"



17 F. BULLPEN 156 - W
1/4" = 1'-0"

C:\Users\dhgr\Documents\3221591A1 - BC OC Essex Police Station DD_dhgrQZANS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - CONTROL DESK & BULL PENS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

805 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4514 fax

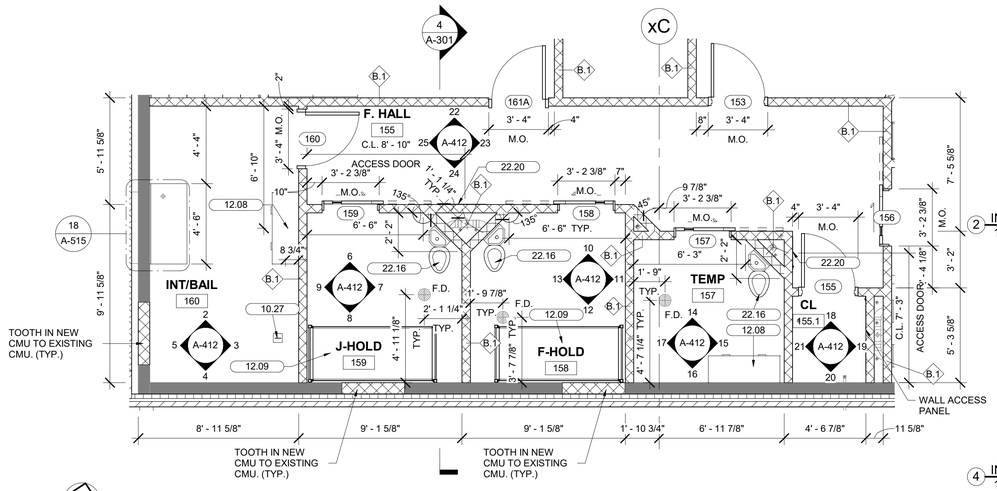
228 West Market Street, York, Pennsylvania 17401
717-848-6827 voice 717-845-3449 fax

DWG FILENAME:

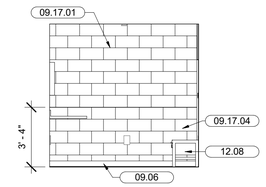
SHEET DESIGNATION	CONTRACT NUMBER
A-411	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 116 OF 295
	DRAWING NUMBER
	2025-1007
	FILE NO.: 8 REV. 00/00

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

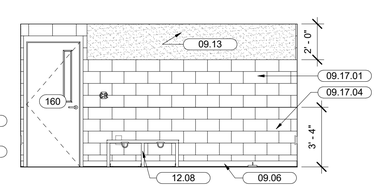
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
09.17.01	PT-1.
09.17.04	PT-4.
10.27	CUFF LINK, SEE DETENTION SCHEDULE.
12.08	FIXED IN PLACE BENCH w/ CUFF BAR.
12.09	FIXED IN PLACE BEDS.
22.16	S.S. TOILET/SINK COMBO. REFER TO PLUMBING DRAWINGS FOR DETAILS.
22.20	ACCESS PANEL, HIGH SECURITY W/ MASONRY FLANGE SEE ELEVATION FOR DIM.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



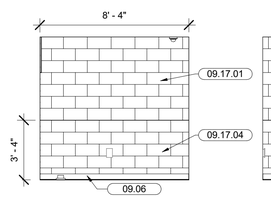
1 ENLARGED PLAN - FEMALE & JUV. HOLDING AREA
1/4" = 1'-0"



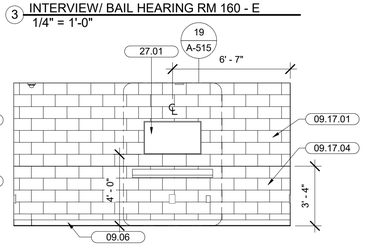
2 INTERVIEW/ BAIL HEARING RM 160 - N
1/4" = 1'-0"



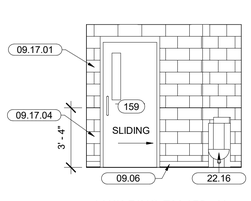
3 INTERVIEW/ BAIL HEARING RM 160 - E
1/4" = 1'-0"



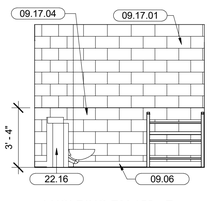
4 INTERVIEW/ BAIL HEARING RM 160 - S
1/4" = 1'-0"



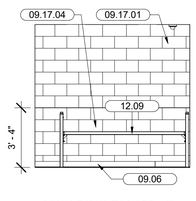
5 INTERVIEW/ BAIL HEARING RM 160 - W
1/4" = 1'-0"



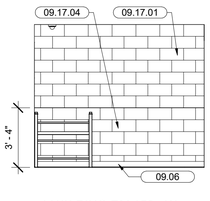
6 J-HOLDING RM 159 - N
1/4" = 1'-0"



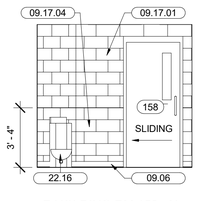
7 J-HOLDING RM 159 - E
1/4" = 1'-0"



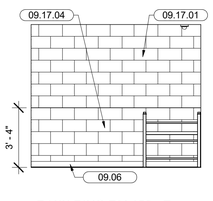
8 J-HOLDING RM 159 - S
1/4" = 1'-0"



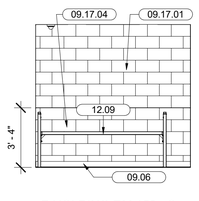
9 J-HOLDING RM 159 - W
1/4" = 1'-0"



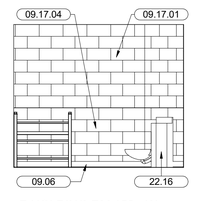
10 F-HOLDING RM 158 - N
1/4" = 1'-0"



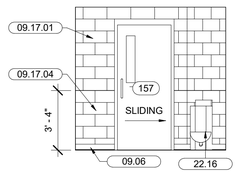
11 F-HOLDING RM 158 - E
1/4" = 1'-0"



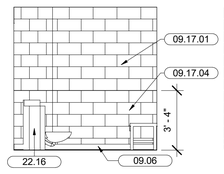
12 F-HOLDING RM 158 - S
1/4" = 1'-0"



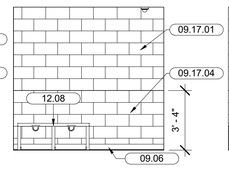
13 F-HOLDING RM 158 - W
1/4" = 1'-0"



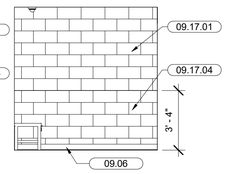
14 TEMP RM 157 - N
1/4" = 1'-0"



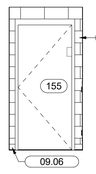
15 TEMP RM 157 - E
1/4" = 1'-0"



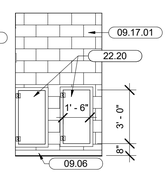
16 TEMP RM 157 - S
1/4" = 1'-0"



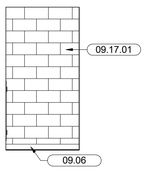
17 TEMP RM 157 - W
1/4" = 1'-0"



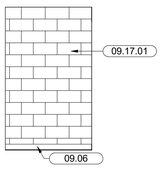
18 CLOSET 149.1 - N
1/4" = 1'-0"



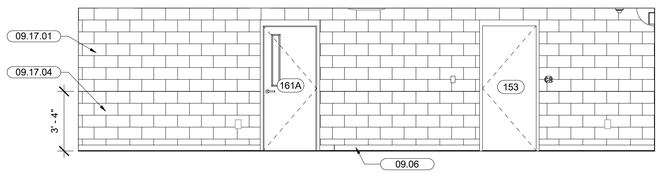
19 CLOSET 149.1 - E
1/4" = 1'-0"



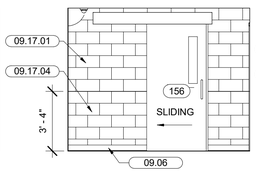
20 CLOSET 149.1 - S
1/4" = 1'-0"



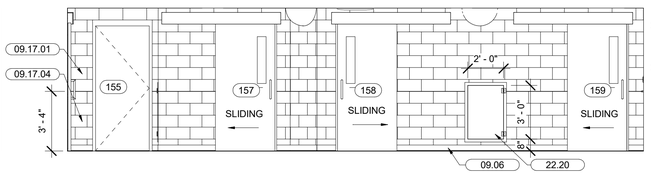
21 CLOSET 149.1 - W
1/4" = 1'-0"



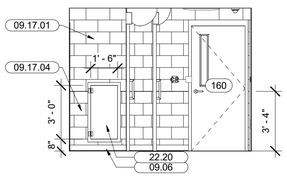
22 F. HALL 155 - N
1/4" = 1'-0"



23 F. HALL 155 - E
1/4" = 1'-0"



24 F. HALL 155 - S
1/4" = 1'-0"



25 F. HALL 155 - W
1/4" = 1'-0"

C:\Users\dayg\Documents\2213941 - BC OC Essex Police Station DD_dayGZAN.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS

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

228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-3446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-412	25022 PP0

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE : JULY 14, 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

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: ISW | POSITION SHT: 7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - FEMALE & JUVENILE HOLDING

RENOVATION & ADDITION

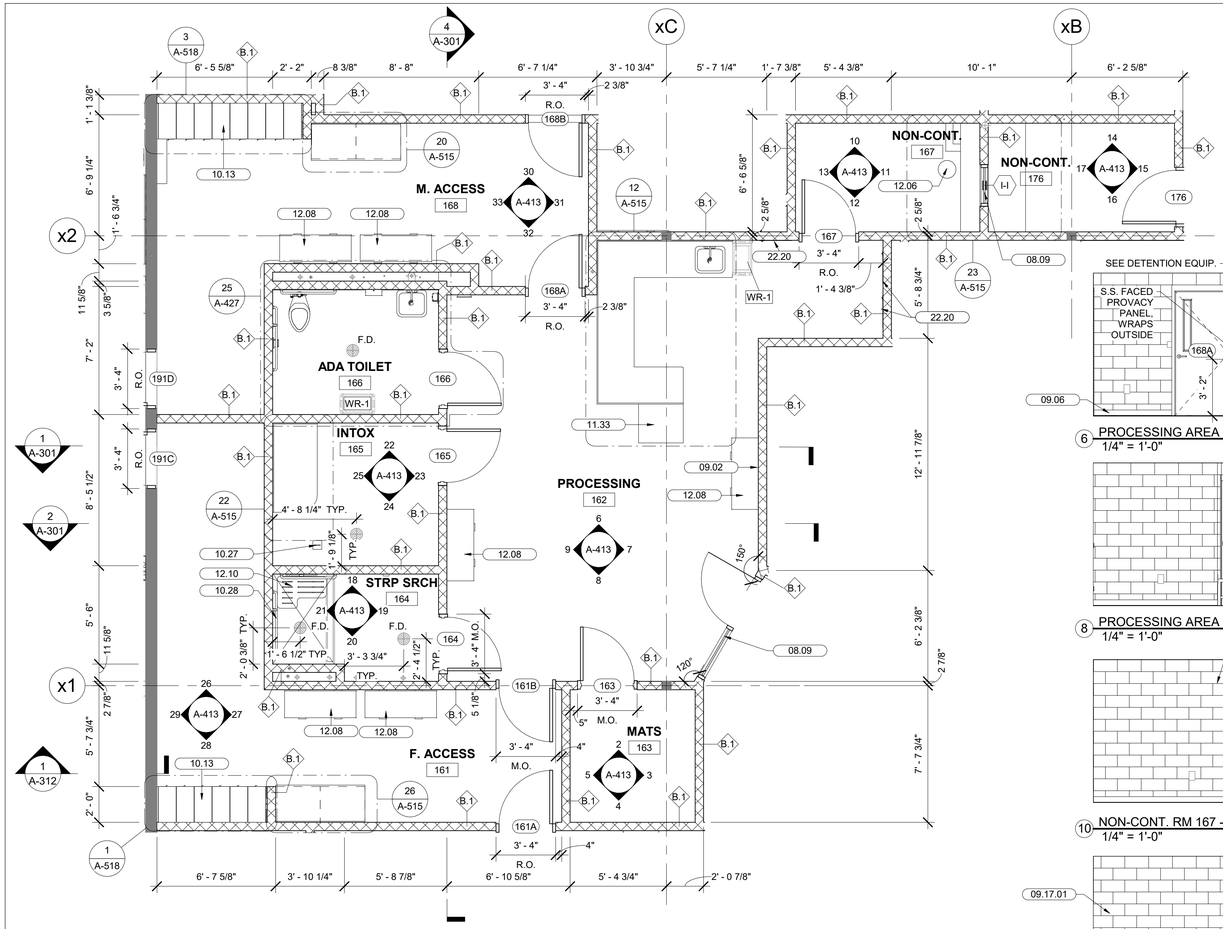
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

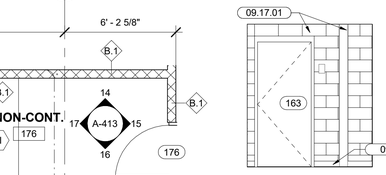
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

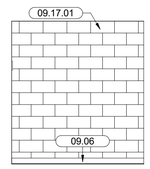
JOB ORDER NUMBER	PROJ-10000636
SHEET 117 OF 295	
DRAWING NUMBER	2025-1008
FILE NO.: 8	REV. 0000



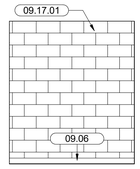
1 ENLARGED PLAN - PROCESSING AREA
1/4" = 1'-0"



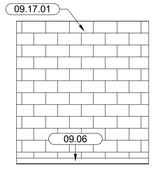
2 MAT STORAGE RM 163 - N
1/4" = 1'-0"



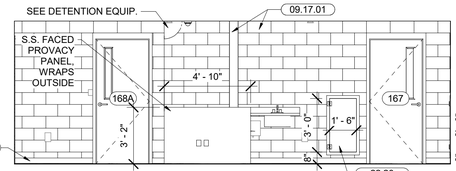
3 MAT STORAGE RM 163 - E
1/4" = 1'-0"



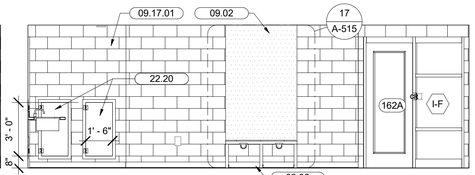
4 MAT STORAGE RM 163 - S
1/4" = 1'-0"



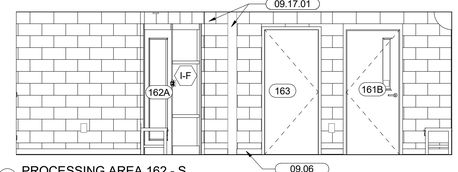
5 MAT STORAGE RM 163 - W
1/4" = 1'-0"



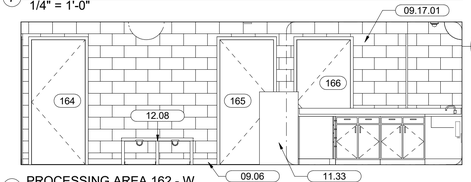
6 PROCESSING AREA 162 - N
1/4" = 1'-0"



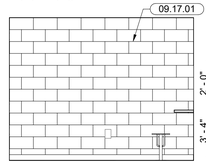
7 PROCESSING AREA 162 - E
1/4" = 1'-0"



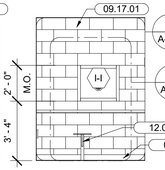
8 PROCESSING AREA 162 - S
1/4" = 1'-0"



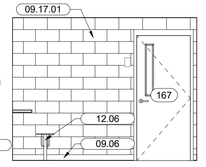
9 PROCESSING AREA 162 - W
1/4" = 1'-0"



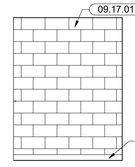
10 NON-CONT. RM 167 - N
1/4" = 1'-0"



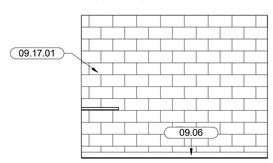
11 NON-CONT. RM 167 - E
1/4" = 1'-0"



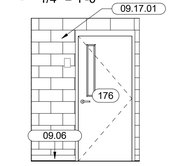
12 NON-CONT. RM 167 - S
1/4" = 1'-0"



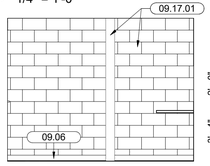
13 NON-CONT. RM 167 - W
1/4" = 1'-0"



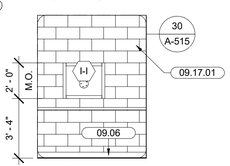
14 NON-CONT. RM 176 - N
1/4" = 1'-0"



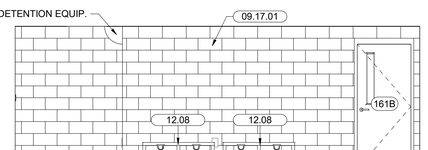
15 NON-CONT. RM 176 - E
1/4" = 1'-0"



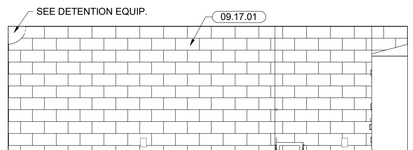
16 NON-CONT. RM 176 - S
1/4" = 1'-0"



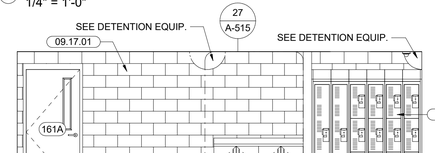
17 NON-CONT. RM 176 - W
1/4" = 1'-0"



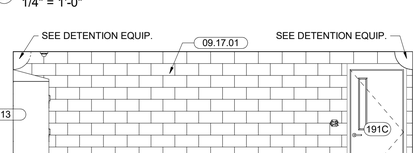
26 F. ACESSING RM 161 - N
1/4" = 1'-0"



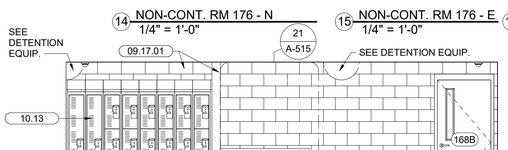
27 F. ACESSING RM 161 - E
1/4" = 1'-0"



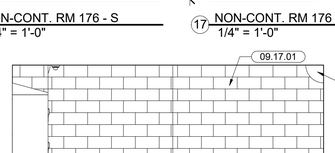
28 F. ACESSING RM 161 - S
1/4" = 1'-0"



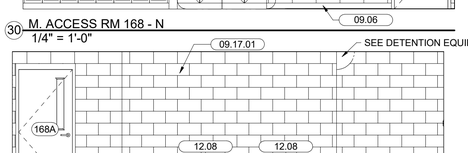
29 F. ACESSING RM 161 - W
1/4" = 1'-0"



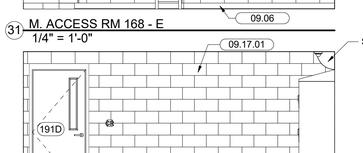
30 M. ACCESS RM 168 - N
1/4" = 1'-0"



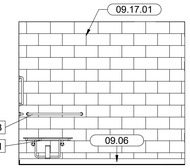
31 M. ACCESS RM 168 - E
1/4" = 1'-0"



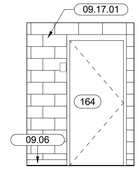
32 M. ACCESS RM 168 - S
1/4" = 1'-0"



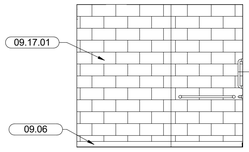
33 M. ACCESS RM 168 - W
1/4" = 1'-0"



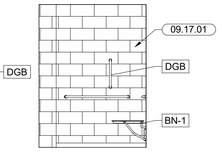
18 STRIP SEARCH RM 164 - N
1/4" = 1'-0"



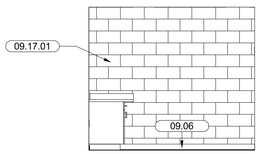
19 STRIP SEARCH RM 164 - E
1/4" = 1'-0"



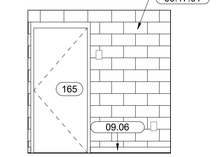
20 STRIP SEARCH RM 164 - S
1/4" = 1'-0"



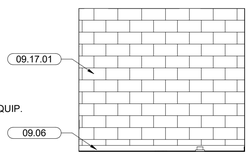
21 STRIP SEARCH RM 164 - W
1/4" = 1'-0"



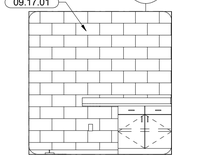
22 INTOXIMETER RM 165 - N
1/4" = 1'-0"



23 INTOXIMETER RM 165 - E
1/4" = 1'-0"



24 INTOXIMETER RM 165 - S
1/4" = 1'-0"



25 INTOXIMETER RM 165 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
08.09	IMPACT GLAZING SF SYSTEM.
09.02	RIGID VINYL PHOTO WALL. PANEL.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.13	PRISONER PROPERTY LOCKERS.
10.27	CUFF LINK, SEE DETENTION SCHEDULE.
10.28	DETENTION GRADE ADA GRAB BARS, SEE DETENTION SCHEDULE FOR SIZE.
11.33	FINGERPRINT MACHINE, NIC.
12.06	FLOOR-MOUNTED DENTION STOOL W/CUFF BAR
12.08	FIXED IN PLACE BENCH w/ CUFF BAR.
12.10	DETENTION GRADE FOLDING ADA SHOWER SEAT.
22.20	ACCESS PANEL, HIGH SECURITY W/ MASONRY FLANGE SEE ELEVATION FOR DIM.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQZ_NS.rvt

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

DWG FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 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 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: JULY 14, 2025
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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
DRAWING SCALE: PLAN SCALE: 1/4" = 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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - PROCESSING AREA

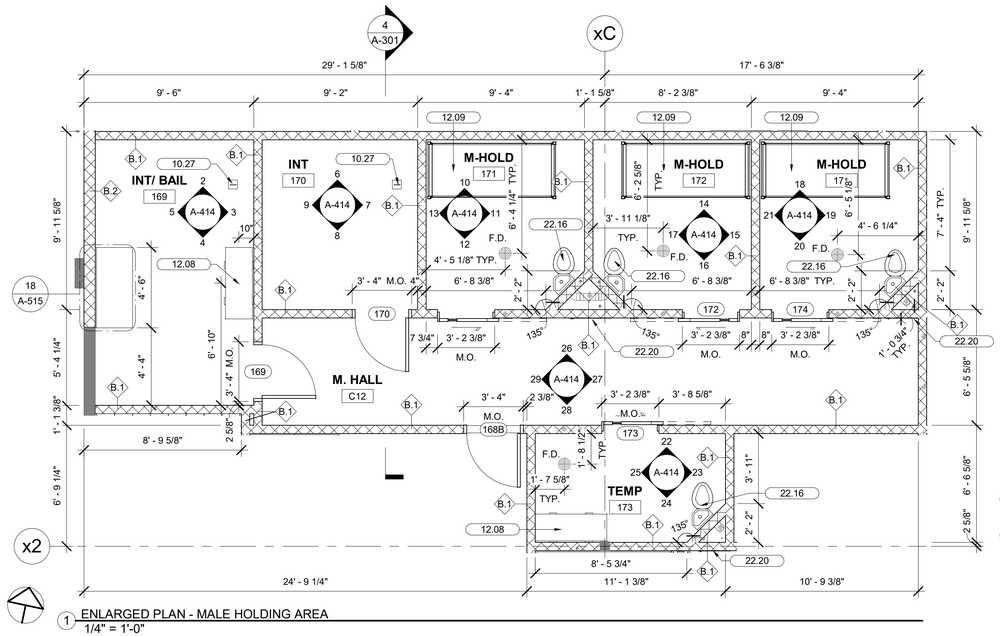
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-413	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 118 OF 295
	DRAWING NUMBER
	2025-1009
	FILE NO.: 8 REV. 03/22



1 ENLARGED PLAN - MALE HOLDING AREA
1/4" = 1'-0"

2 INTERVIEW / BAIL HEARING RM 169 - N
1/4" = 1'-0"

3 INTERVIEW / BAIL HEARING RM 169 - E
1/4" = 1'-0"

4 INTERVIEW / BAIL HEARING RM 169 - S
1/4" = 1'-0"

5 INTERVIEW / BAIL HEARING RM 169 - W
1/4" = 1'-0"

6 INTERVIEW RM 170 - N
1/4" = 1'-0"

7 INTERVIEW RM 170 - E
1/4" = 1'-0"

8 INTERVIEW RM 170 - S
1/4" = 1'-0"

9 INTERVIEW RM 170 - W
1/4" = 1'-0"

10 M-HOLDING RM 171 - N
1/4" = 1'-0"

11 M-HOLDING RM 171 - E
1/4" = 1'-0"

12 M-HOLDING RM 171 - S
1/4" = 1'-0"

13 M-HOLDING RM 171 - W
1/4" = 1'-0"

22 TEMP RM 173 - N
1/4" = 1'-0"

23 TEMP RM 173 - E
1/4" = 1'-0"

14 M-HOLDING RM 172 - N
1/4" = 1'-0"

15 M-HOLDING RM 172 - E
1/4" = 1'-0"

16 M-HOLDING RM 172 - S
1/4" = 1'-0"

17 M-HOLDING RM 172 - W
1/4" = 1'-0"

18 M-HOLDING RM 174 - N
1/4" = 1'-0"

19 M-HOLDING RM 174 - E
1/4" = 1'-0"

20 M-HOLDING RM 174 - S
1/4" = 1'-0"

21 M-HOLDING RM 174 - W
1/4" = 1'-0"

24 TEMP RM 173 - S
1/4" = 1'-0"

25 TEMP RM 173 - W
1/4" = 1'-0"

26 M. HALL C12 - N
1/4" = 1'-0"

27 M. HALL C12 - E
1/4" = 1'-0"

28 M. HALL C12 - S
1/4" = 1'-0"

29 M. HALL C12 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.14	S.S. C. TOP.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
09.17.01	PT-1.
09.17.04	PT-4.
10.27	CUFF LINK, SEE DETENTION SCHEDULE.
12.08	FIXED IN PLACE BENCH w/ CUFF BAR.
12.09	FIXED IN PLACE BEDS.
22.16	S.S. TOILET/SINK COMBO. REFER TO PLUMBING DRAWINGS FOR DETAILS.
22.20	ACCESS PANEL, HIGH SECURITY W/ MASONRY FLANGE SEE ELEVATION FOR DIM.
27.02	AV MONITOR, SEE TA DRAWINGS.

NOTE: SEE DRAWING A-520 FOR TOILET ACCESSORY SCHEDULE.

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQZ.NDS.rvt

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION
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P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - MALE HOLDING

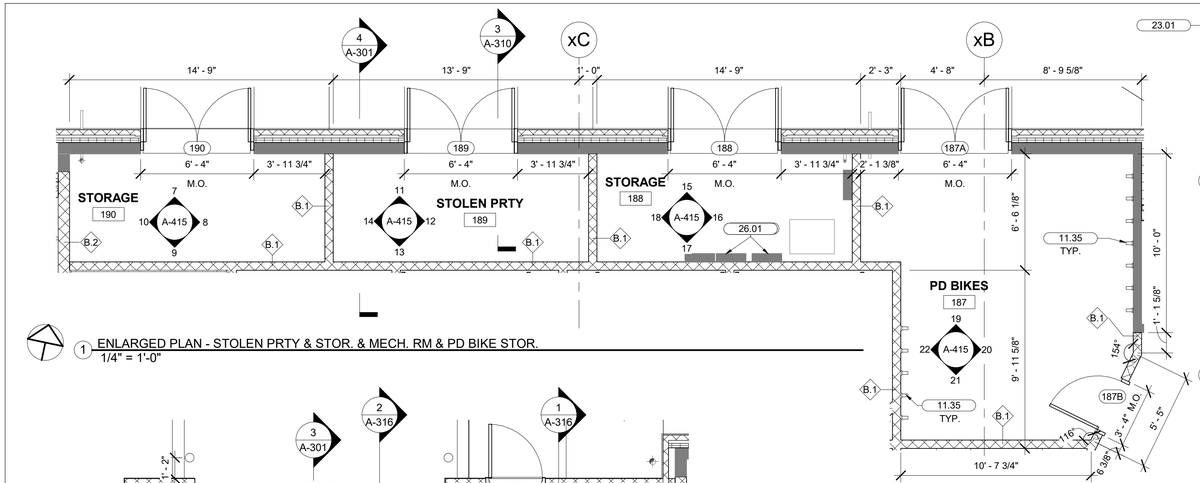
RENOVATION & ADDITION

SUBDIVISION: ESSEX

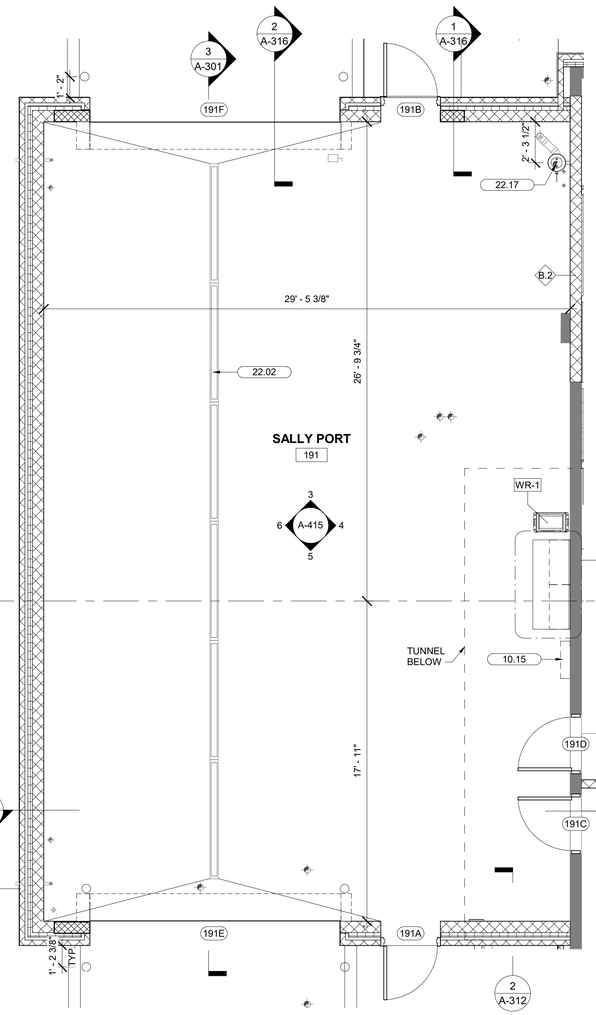
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

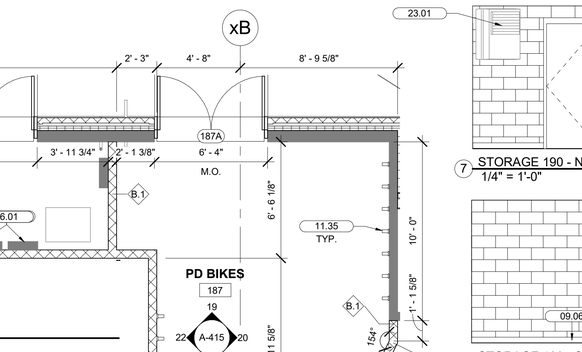
SHEET DESIGNATION	CONTRACT NUMBER
A-414	25022 PP0
	JOB ORDER NUMBER: PROJ-10000636
	SHEET 119 OF 295
	DRAWING NUMBER: 2025-1010
	FILE NO.: 8 REV. 10/22



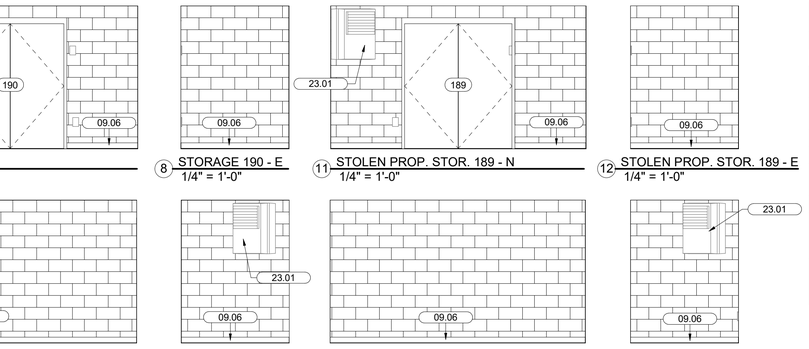
1 ENLARGED PLAN - STOLEN PRTY & STOR. & MECH. RM & PD BIKE STOR.
1/4" = 1'-0"



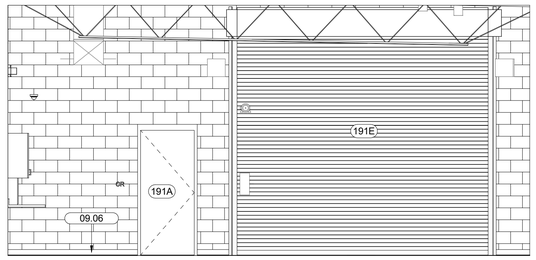
2 ENLARGED PLAN - SALLY PORT
1/4" = 1'-0"



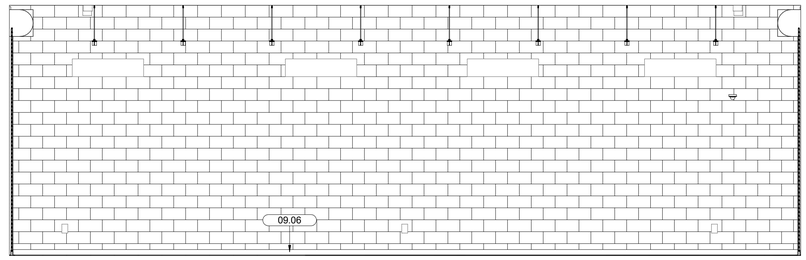
3 SALLY PORT 191 - N
1/4" = 1'-0"



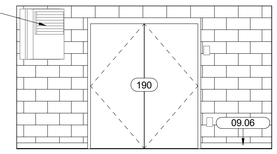
4 SALLY PORT 191 - E
1/4" = 1'-0"



5 SALLY PORT 191 - S
1/4" = 1'-0"



6 SALLY PORT 191 - W
1/4" = 1'-0"

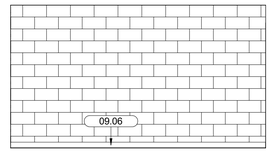


7 STORAGE 190 - N
1/4" = 1'-0"

8 STORAGE 190 - E
1/4" = 1'-0"

11 STOLEN PROP. STOR. 189 - N
1/4" = 1'-0"

12 STOLEN PROP. STOR. 189 - E
1/4" = 1'-0"

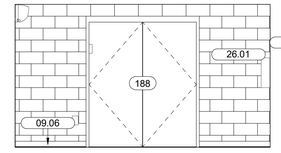


9 STORAGE 190 - S
1/4" = 1'-0"

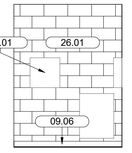
10 STORAGE 190 - W
1/4" = 1'-0"

13 STOLEN PROP. STOR. 189 - S
1/4" = 1'-0"

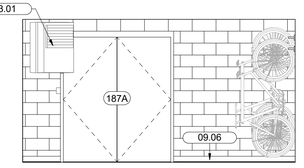
14 STOLEN PROP. STOR. 189 - W
1/4" = 1'-0"



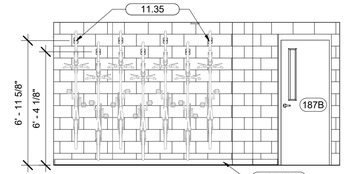
15 STORAGE 188 - N
1/4" = 1'-0"



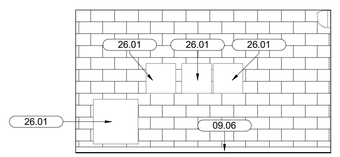
16 STORAGE 188 - E
1/4" = 1'-0"



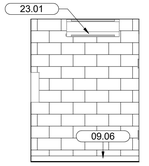
19 PD BIKE STORAGE 187 - N
1/4" = 1'-0"



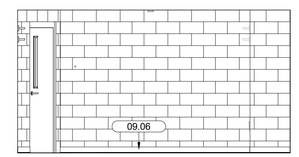
20 PD BIKE STORAGE 187 - E
1/4" = 1'-0"



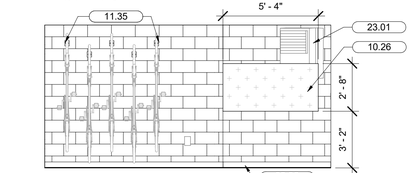
17 STORAGE 188 - S
1/4" = 1'-0"



18 STORAGE 188 - W
1/4" = 1'-0"



21 PD BIKE STORAGE 187 - S
1/4" = 1'-0"



22 PD BIKE STORAGE 187 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
10.15	10 COMPARTMENT PISTOL LOCKER - SURFACE.
10.26	PEGBOARD, DIRECT ATTACHED.
11.35	WALL MOUNTED BIKE HANGERS.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.17	EYEWASH STATION & FLOOR DRAIN.
23.01	MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.
26.01	ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - SALLY PORT & EXT STORAGE RMS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

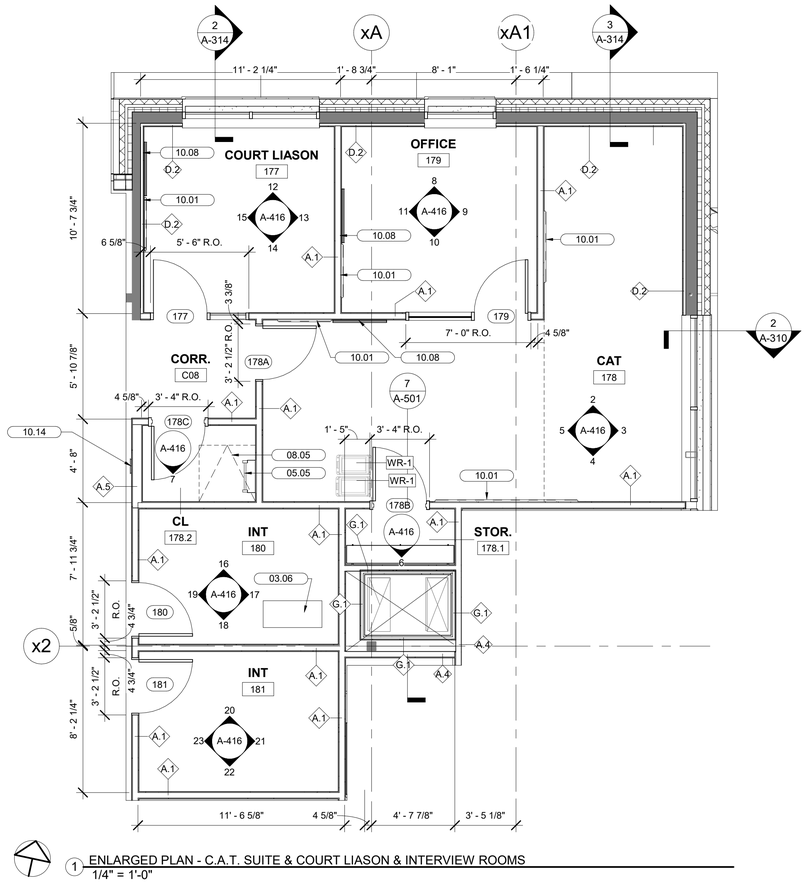
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4622 Voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 Voice 717-843-2446 fax

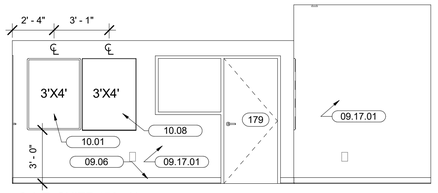
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SHEET DESIGNATION	CONTRACT NUMBER
A-415	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
SHEET 120 OF 295	
	DRAWING NUMBER
	2025-1011
	FILE NO.: 8 REV: 03/02

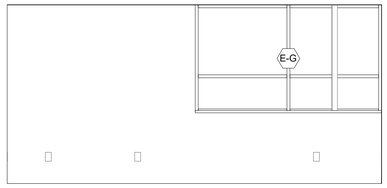
BALTIMORE COUNTY MARYLAND



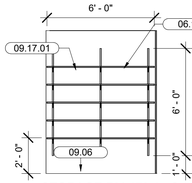
1 ENLARGED PLAN - C.A.T. SUITE & COURT LIASON & INTERVIEW ROOMS
1/4" = 1'-0"



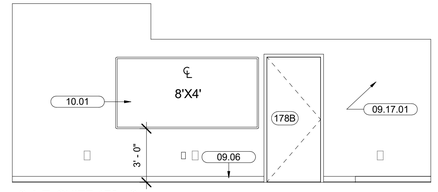
2 C.A.T. SUITE 178 - N
1/4" = 1'-0"



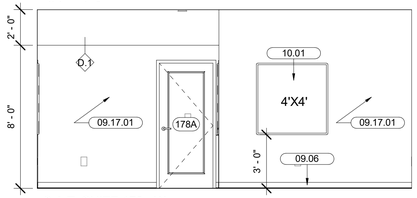
3 C.A.T. SUITE 178 - E
1/4" = 1'-0"



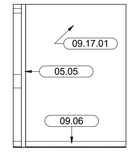
6 STORAGE RM 178.1 - S
1/4" = 1'-0"



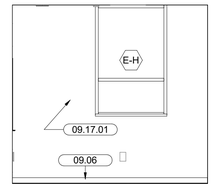
4 C.A.T. SUITE 178 - S
1/4" = 1'-0"



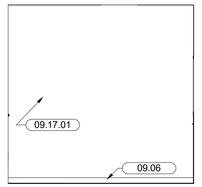
5 C.A.T. SUITE 178 - W
1/4" = 1'-0"



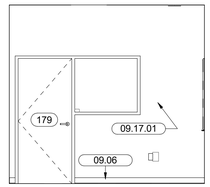
7 CLOSET 178.2 - S
1/4" = 1'-0"



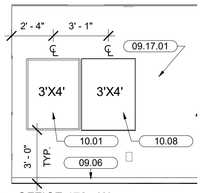
8 OFFICE 179 - N
1/4" = 1'-0"



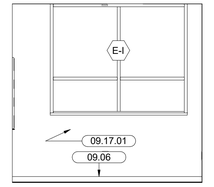
9 OFFICE 179 - E
1/4" = 1'-0"



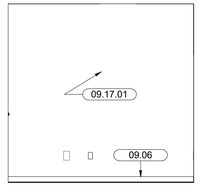
10 OFFICE 179 - S
1/4" = 1'-0"



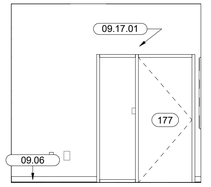
11 OFFICE 179 - W
1/4" = 1'-0"



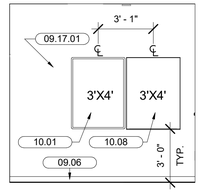
12 COURT LIASON OFFICE 177 - N
1/4" = 1'-0"



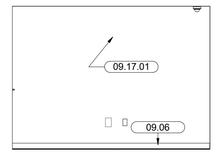
13 COURT LIASON OFFICE 177 - E
1/4" = 1'-0"



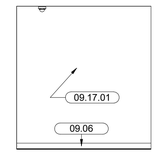
14 COURT LIASON OFFICE 177 - S
1/4" = 1'-0"



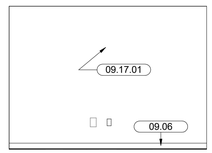
15 COURT LIASON OFFICE 177 - W
1/4" = 1'-0"



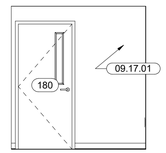
16 INTERVIEW RM 180 - N
1/4" = 1'-0"



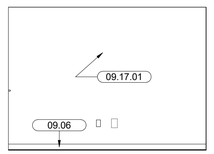
17 INTERVIEW RM 180 - E
1/4" = 1'-0"



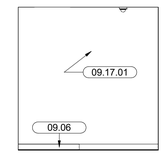
18 INTERVIEW RM 180 - S
1/4" = 1'-0"



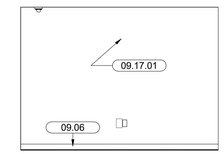
19 INTERVIEW RM 180 - W
1/4" = 1'-0"



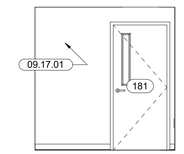
20 INTERVIEW RM 181 - N
1/4" = 1'-0"



21 INTERVIEW RM 181 - E
1/4" = 1'-0"



22 INTERVIEW RM 181 - S
1/4" = 1'-0"



23 INTERVIEW RM 181 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
03.06	PATCH FLOOR OPENING, SEE STRUCTURAL.
05.05	ALUM. ACCESS LADDER, ROOF HATCH
06.17	ADJUSTABLE SHELVING.
08.05	ROOF ACCESS HATCH & ALUM LADDER.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A STATE OF MARYLAND FRANK ELWOOD DITTENHAFER II 7/14/2025
DATE : JULY 14, 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
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: ISW
POSITION SHT: 7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - 1ST FL - CAT SUITE, COURT LIASON & INTERVIEW RMS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

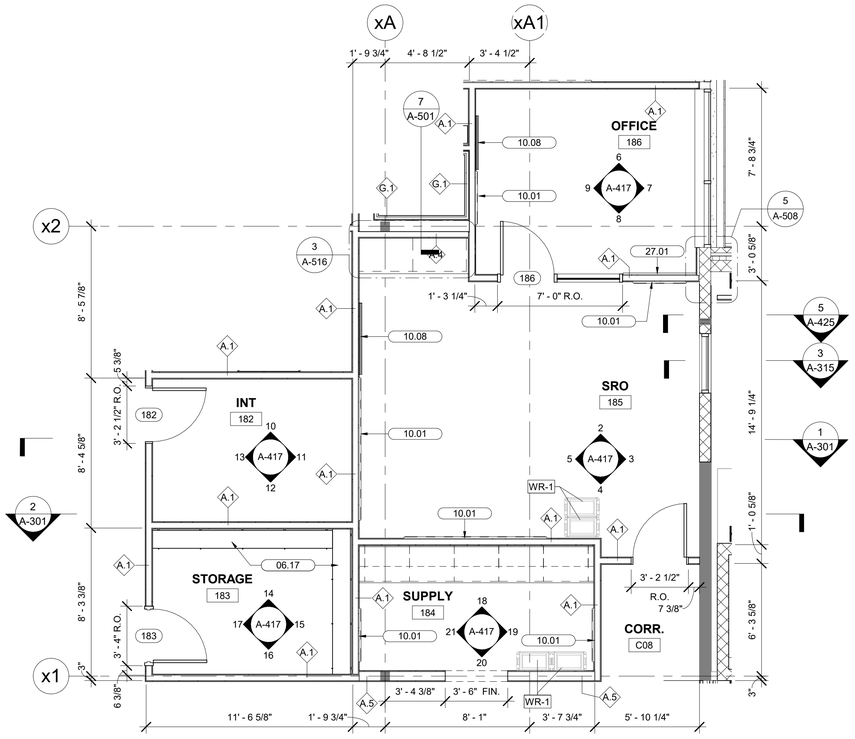
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4614 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3448 fax

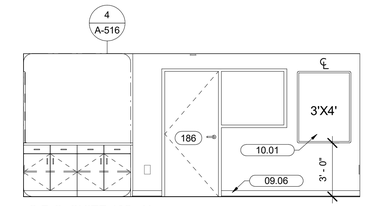
SHEET DESIGNATION	CONTRACT NUMBER
A-416	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 121 OF 295
	DRAWING NUMBER
	2025-1012
	FILE NO.: 8 REV. 09/22

DWG FILENAME: C:\Users\dhay\Documents\22213931 - BC OC Essex Police Station D3_dhayQZANS.rvt

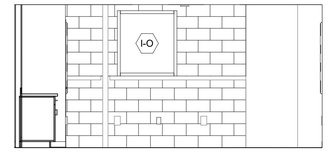
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.17	ADJUSTABLE SHELVING.
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
26.01	ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



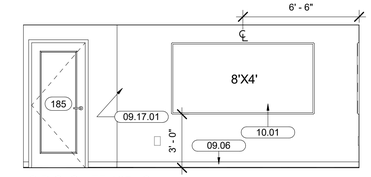
1 ENLARGED PLAN - S.R.O. SUITE & OFF. SUPPLY & INTERVIEW RM
1/4" = 1'-0"



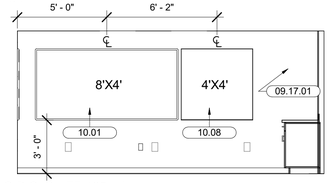
2 S.R.O. SUITE 185 - N
1/4" = 1'-0"



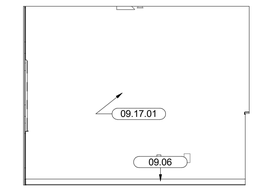
3 S.R.O. SUITE 185 - E
1/4" = 1'-0"



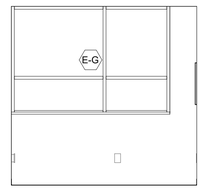
4 S.R.O. SUITE 185 - S
1/4" = 1'-0"



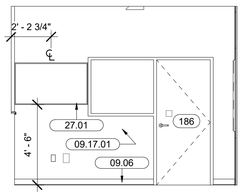
5 S.R.O. SUITE 185 - W
1/4" = 1'-0"



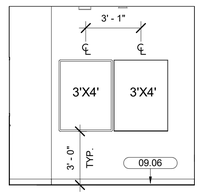
6 OFFICE 186 - N
1/4" = 1'-0"



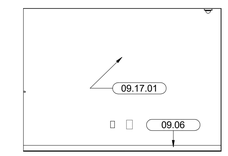
7 OFFICE 186 - E
1/4" = 1'-0"



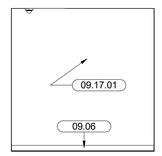
8 OFFICE 186 - S
1/4" = 1'-0"



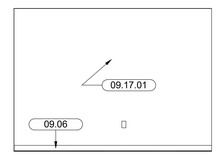
9 OFFICE 186 - W
1/4" = 1'-0"



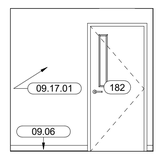
10 INTERVIEW RM 182 - N
1/4" = 1'-0"



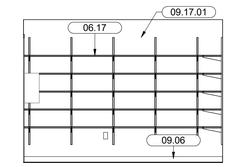
11 INTERVIEW RM 182 - E
1/4" = 1'-0"



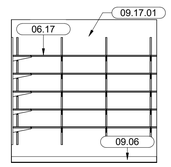
12 INTERVIEW RM 182 - S
1/4" = 1'-0"



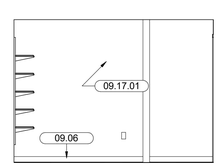
13 INTERVIEW RM 182 - W
1/4" = 1'-0"



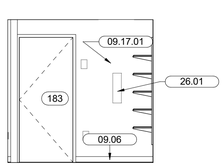
14 STORAGE RM 183 - N
1/4" = 1'-0"



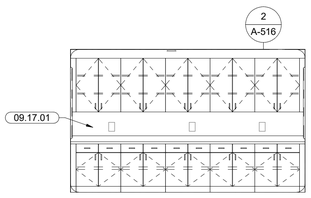
15 STORAGE RM 183 - E
1/4" = 1'-0"



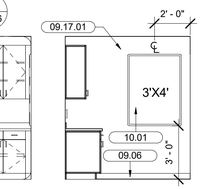
16 STORAGE RM 183 - S
1/4" = 1'-0"



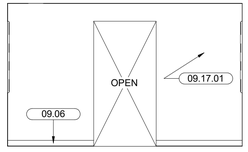
17 STORAGE RM 183 - W
1/4" = 1'-0"



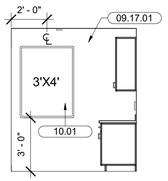
18 SUPPLY RM 184 - N
1/4" = 1'-0"



19 SUPPLY RM 184 - E
1/4" = 1'-0"



20 SUPPLY RM 184 - S
1/4" = 1'-0"



21 SUPPLY RM 184 - W
1/4" = 1'-0"

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 717-620-2446 fax

DWG. FILENAME: C:\Users\dwg\Documents\2213\9A1 - BC OC Essex Police Station DD_dwg\Q2AN8.rvt

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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
R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29 | PLAN SCALE: 1/4" = 1'-0" | APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX | PROFILE SCALE: | DATE:

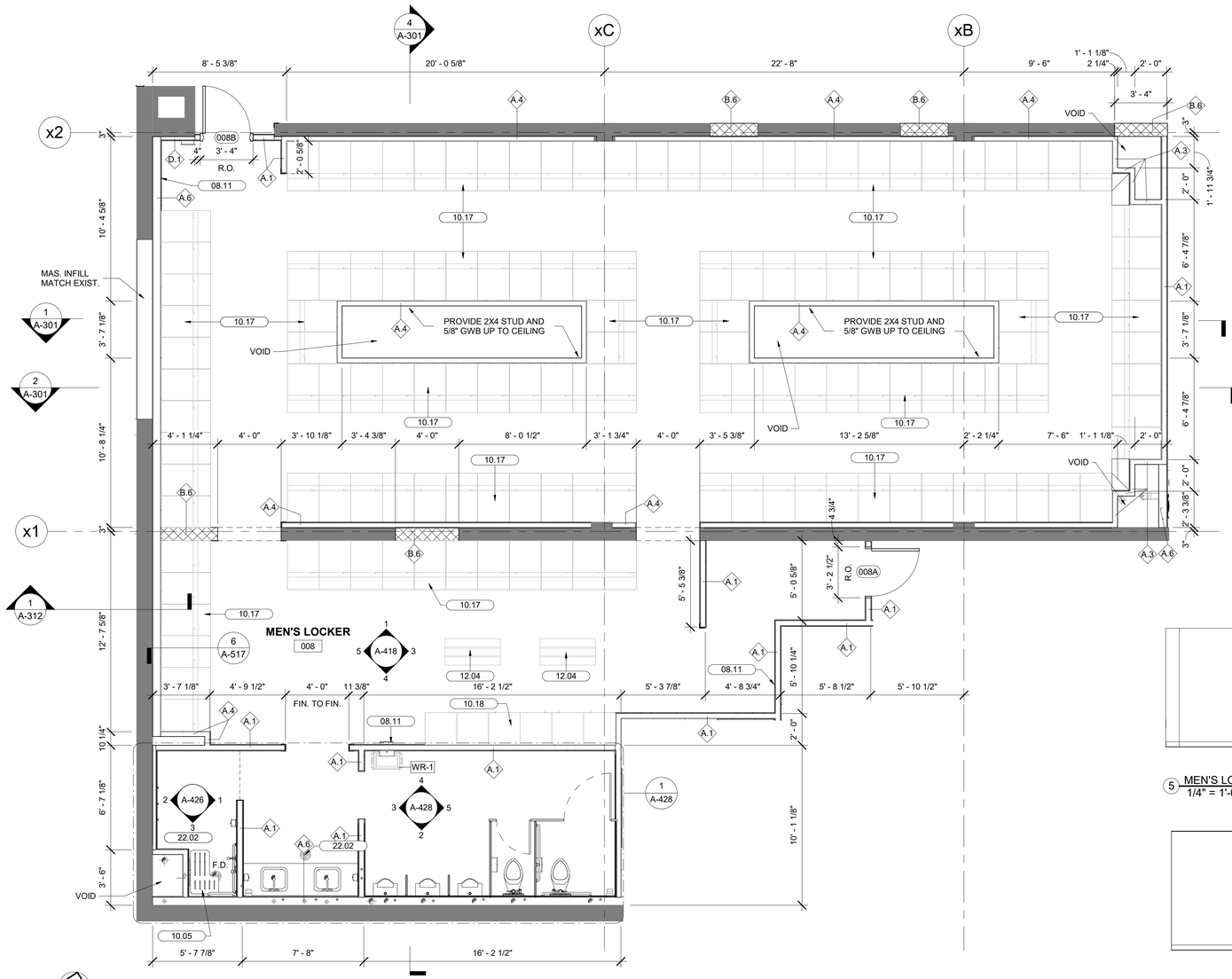
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ENLARGED PLANS & ELEVS. - 1ST FL - SRO SUITE, INTERVIEW RMS & OFFICE SUPPLY
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-417	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 122 OF 295
	DRAWING NUMBER
	2025-1013
	FILE NO.: 8

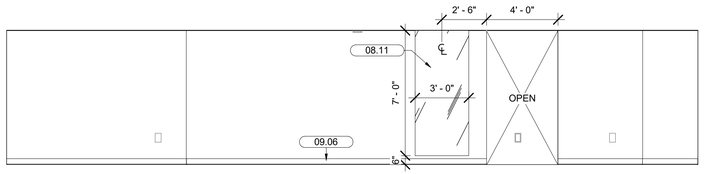
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.11	FRAMELESS MIRROR
09.06	WALL BASE PER RM FINISH SCHEDULE.
10.05	FOLDING ADA SHOWER SEAT.
10.17	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.18	WELDED METAL PERSONAL STORAGE LOCKER.
12.04	FIXED IN PLACE ADA BENCH.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

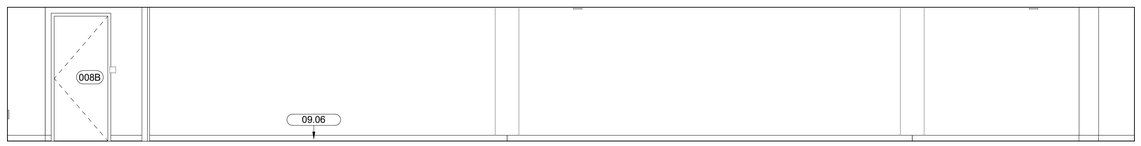


2 ENLARGED PLAN - MEN'S LOCKER ROOM 008
1/4" = 1'-0"

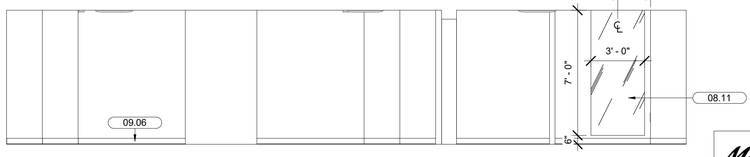
5 MEN'S LOCKER ROOM 008 - W
1/4" = 1'-0"



4 MEN'S LOCKER ROOM 008 - S
1/4" = 1'-0"



1 MEN'S LOCKER ROOM 008 - N
1/4" = 1'-0"



3 MEN'S LOCKER ROOM 008 - E
1/4" = 1'-0"

C:\Users\dwg\Documents\221393A1 - BC OC Essex Police Station DD_dwgQZ_NS8.rvt

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 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
BY: DATE:
DGN BY: JAT
DWN BY: DWG/AWU
CHKD BY: RLM

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

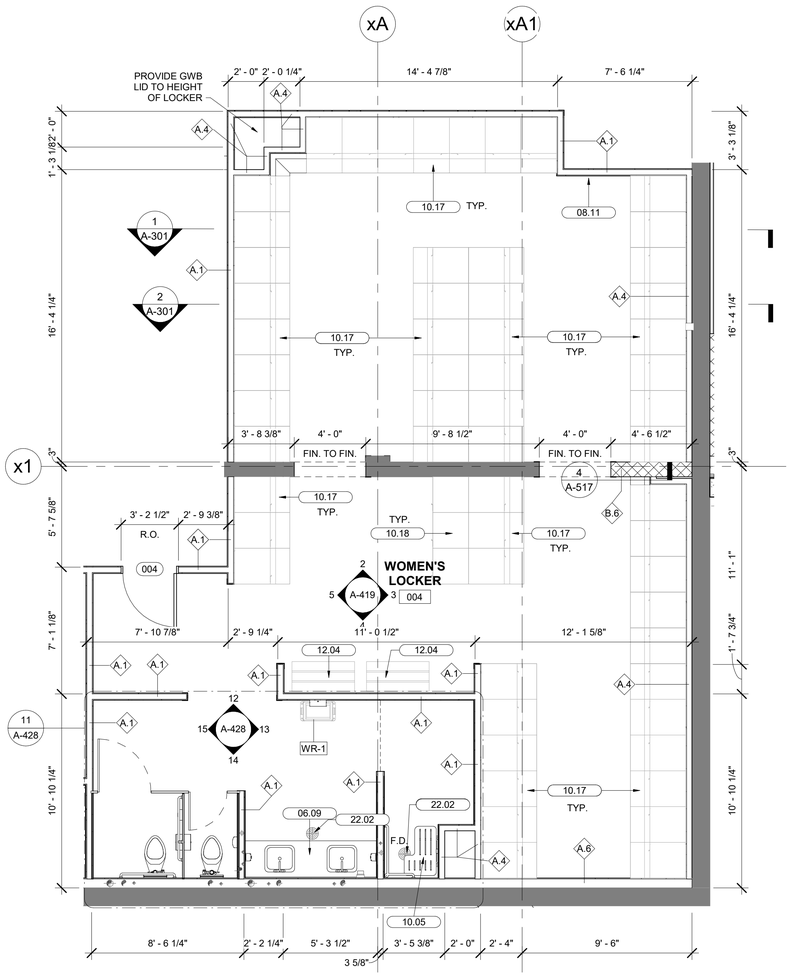
P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1/4" = 1'-0"
			PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

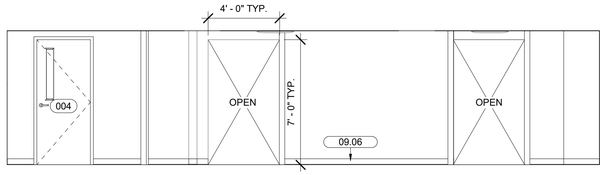
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ENLARGED PLANS & ELEVS. - BSMT - MEN'S LOCKER ROOM
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

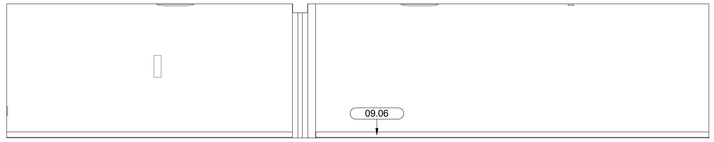
SHEET DESIGNATION	CONTRACT NUMBER
A-418	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 123 OF 295
	DRAWING NUMBER
	2025-1014
	FILE NO.: 8 REV. 03/22



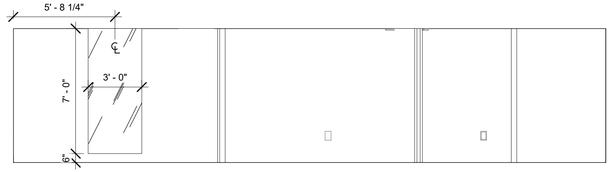
1 ENLARGED PLAN - WOMEN'S LOCKER ROOM 004
1/4" = 1'-0"



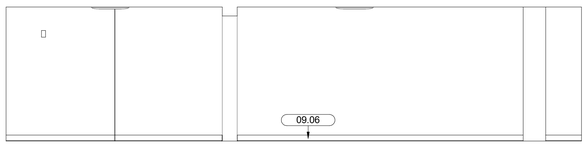
2 WOMEN'S LOCKER ROOM 004 - N
1/4" = 1'-0"



3 WOMEN'S LOCKER ROOM 004 - E
1/4" = 1'-0"



4 WOMEN'S LOCKER ROOM 004 - S
1/4" = 1'-0"



5 WOMEN'S LOCKER ROOM 004 - W
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.09	SSM C. TOP w/ SINK. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
08.11	FRAMELESS MIRROR
09.06	WALL BASE PER RM FINISH SCHEDULE.
10.05	FOLDING ADA SHOWER SEAT.
10.17	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.18	WELDED METAL PERSONAL STORAGE LOCKER.
12.04	FIXED IN PLACE ADA BENCH.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

BY:

DATE:

DGN BY: JAT

DWN BY: DWG/AWU

CHKD BY: RLM

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - BSMT - WOMEN'S LOCKER ROOM

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

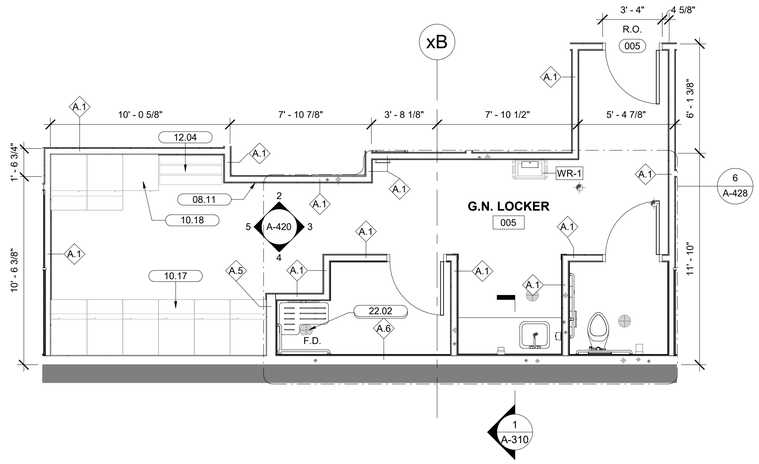
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2448 fax

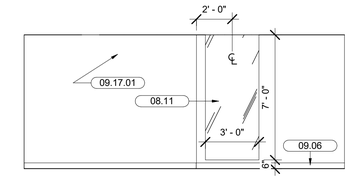
SHEET DESIGNATION	CONTRACT NUMBER
A-419	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 124 OF 295
	DRAWING NUMBER
	2025-1015
	FILE NO.: 8 REV. 03/22

DWG. FILENAME: C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQZANS.rvt

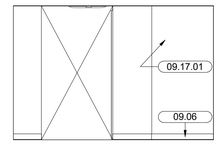
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.11	FRAMELESS MIRROR
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.04	MOP AND BROOM HOLDER.
10.17	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.18	WELDED METAL PERSONAL STORAGE LOCKER.
12.04	FIXED IN PLACE ADA BENCH.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.10	MOP SINK.



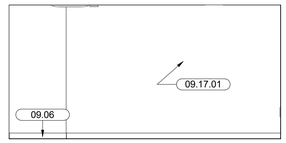
1 ENLARGED PLAN - G.N. LOCKER ROOM 005
1/4" = 1'-0"



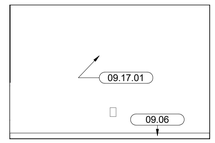
2 G.N. LOCKER ROOM 005 - N
1/4" = 1'-0"



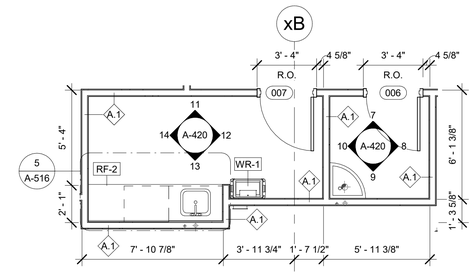
3 G.N. LOCKER ROOM 005 - E
1/4" = 1'-0"



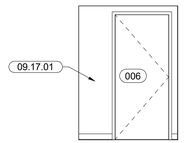
4 G.N. LOCKER ROOM 005 - S
1/4" = 1'-0"



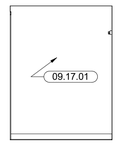
5 G.N. LOCKER ROOM 005 - W
1/4" = 1'-0"



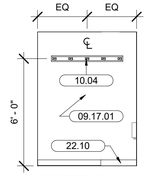
6 ENLARGED PLAN - J.C. 007 & WELLNESS RM 006
1/4" = 1'-0"



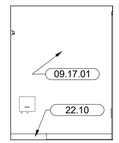
7 J.C. 007 - N
1/4" = 1'-0"



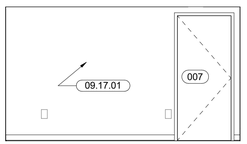
8 J.C. 007 - E
1/4" = 1'-0"



9 J.C. 007 - S
1/4" = 1'-0"



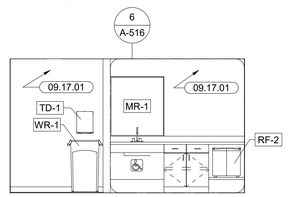
10 J.C. 007 - W
1/4" = 1'-0"



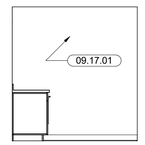
11 WELLNESS RM 006 - N
1/4" = 1'-0"



12 WELLNESS RM 006 - E
1/4" = 1'-0"



13 WELLNESS RM 006 - S
1/4" = 1'-0"



14 WELLNESS RM 006 - W
1/4" = 1'-0"

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQZANS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD
6607-A
ARWOOD DITTENHAFER II
STATE OF MARYLAND
7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - BSMT - GEN. NEUT. LOCKER ROOM, JC & WELLNESS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

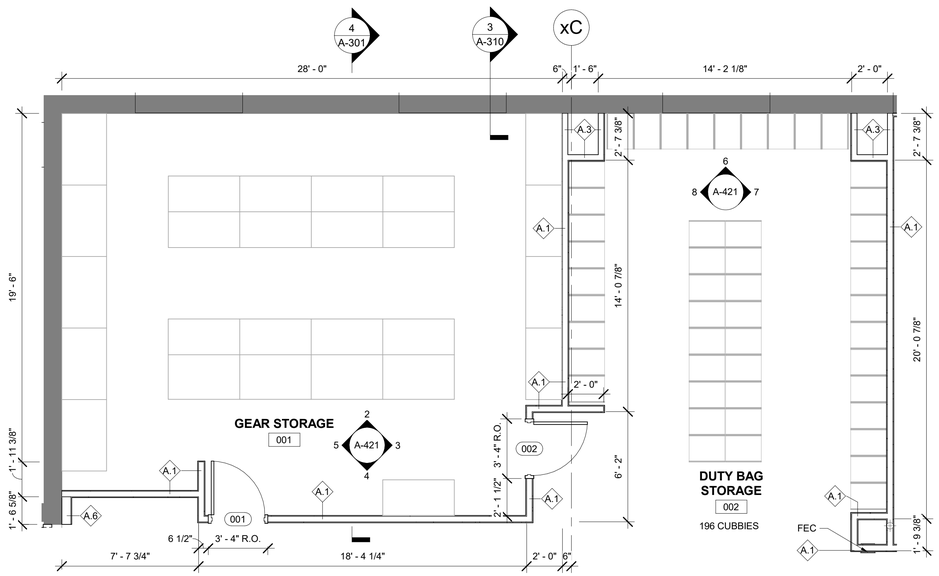
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4574 fax
224 West Market Street, York, Pennsylvania 17401
717-848-6827 voice 717-845-3446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-420	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 125 OF 295
	DRAWING NUMBER
	2025-1016
	FILE NO.: 8 REV: 03/22

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.

NOTE: SEE DWG A-518 FOR LOCKER LAYOUT



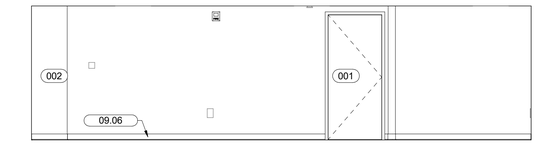
1 ENLARGED PLAN - GEAR STORAGE 001 & MECH./STORAGE RM 002
1/4" = 1'-0"



2 GEAR STORAGE 001 - N
1/4" = 1'-0"



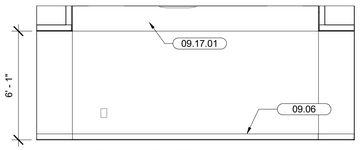
3 GEAR STORAGE 001 - E
1/4" = 1'-0"



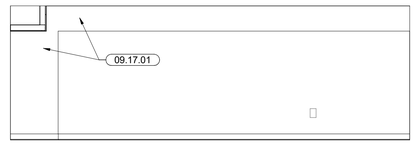
4 GEAR STORAGE 001 - S
1/4" = 1'-0"



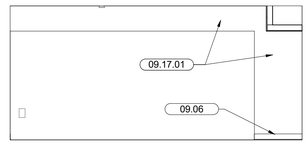
5 GEAR STORAGE 001 - W
1/4" = 1'-0"



6 DUTY BAG STORAGE 002 - N
1/4" = 1'-0"



7 DUTY BAG STORAGE 002 - E
1/4" = 1'-0"



8 DUTY BAG STORAGE 002 - W
1/4" = 1'-0"

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND
DATE : JULY 14, 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
BY:
DATE:

AS-BUILT / REVISION	BY	DATE

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

CONTRACT COMPLETION BOX

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - BSMT - GEAR STORAGE & DUTY BAG STORAGE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

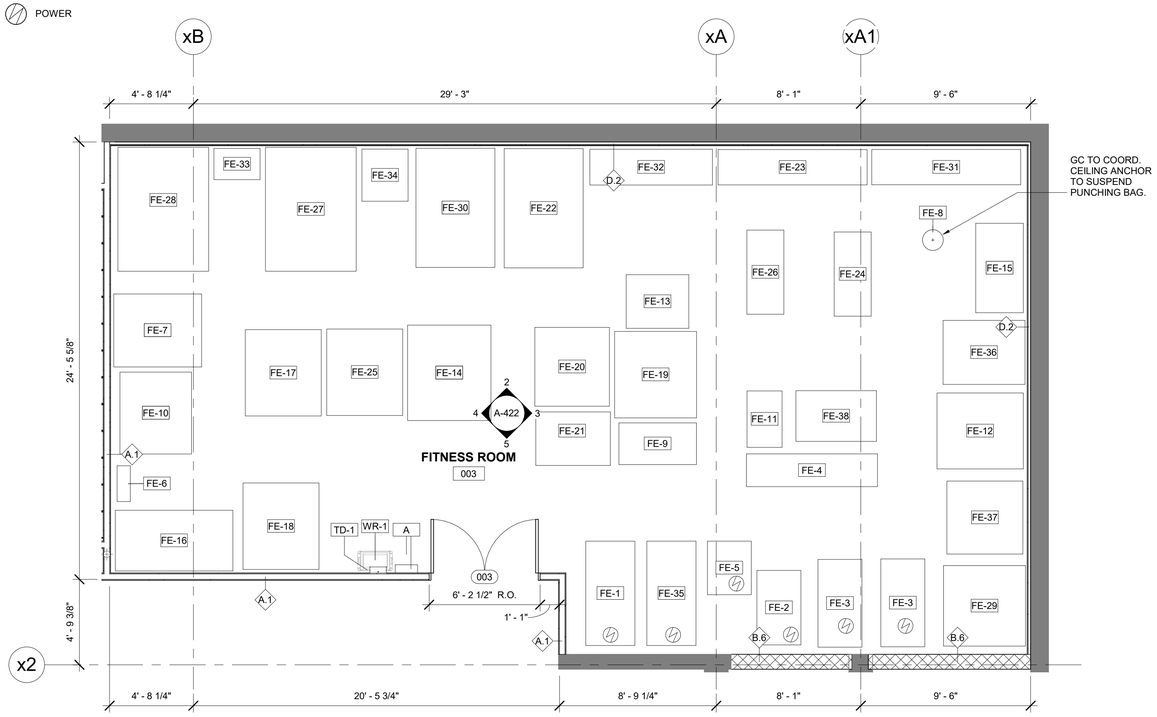
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2448 fax

DWG FILENAME: C:\Users\dwg\Documents\2219\31 - BC OC Essex Police Station DD_dwgQZ.CNLevt

SHEET DESIGNATION	CONTRACT NUMBER
A-421	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 126 OF 295
	DRAWING NUMBER
	2025-1017
	FILE NO.: 8 REV 2022

FITNESS EQUIPMENT LEGEND

POWER

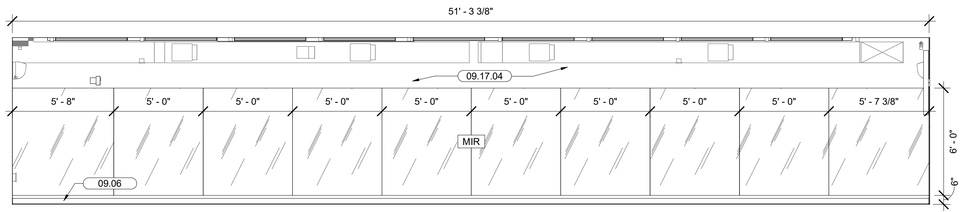


1 ENLARGED PLAN - FITNESS ROOM 003
1/4" = 1'-0"

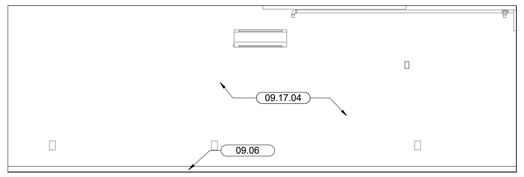
FITNESS EQUIPMENT SCHEDULE				
MARK	EQUIPMENT TYPE	QUANTITY	MODEL NUMBER	BASIS OF DESIGN - MFG
A	FIRST AID KIT; WALL MOUNTED BOX	1		
FE-1	COMMERCIAL TREADMILL	1	SALVAGED	MATRIX
FE-2	UPRIGHT BIKE	1	SALVAGED	MATRIX
FE-3	COMMERCIAL ELLIPTICAL	2	SALVAGED	MATRIX
FE-4	ROWING MACHINE	1	SALVAGED	MATRIX
FE-5	STEPPER	1	SALVAGED	LIFE FITNESS
FE-6	LADDER RACK WITH WEIGHTS	1	SALVAGED	--
FE-7	PULL UP BAR	1	SALVAGED	CYBEX
FE-8	PUNCHING BAG	1	SALVAGED	--
FE-9	STRETCHER MACHINE	1	SALVAGED	PRECORE
FE-10	HAMMER STRENGTH INCLINE PRESS	1	SALVAGED	LIFE FITNESS/HAMMER
FE-11	BICEP CURL MACHINE	1	SALVAGED	LIFE FITNESS
FE-12	LAT RAISE MACHINE	1	SALVAGED	LIFE FITNESS
FE-13	TRICEP PRESS MACHINE	1	SALVAGED	LIFE FITNESS
FE-14	SHOULDER PRESS	1	SALVAGED	LIFE FITNESS
FE-15	AB CRUNCH MACHINE	1	SALVAGED	LIFE FITNESS
FE-16	45 DEGREE LEG PRESS/HIP SLED	1	SALVAGED	LIFE FITNESS
FE-17	LEG EXTENSION MACHINE	1	SALVAGED	LIFE FITNESS
FE-18	LEG CURL MACHINE	1	SALVAGED	LIFE FITNESS
FE-19	FIXED PULL DOWN	1	SALVAGED	LIFE FITNESS
FE-20	SEATED ROW	1	SALVAGED	--
FE-21	BACK EXTENSION	1	SALVAGED	--
FE-22	SMITH MACHINE	1	SALVAGED	--
FE-23	DUMBBELL RACK & DUMBBELLS	1	SALVAGED	--
FE-24	ADJUSTABLE BENCH	1	#F203	FREEMOTION
FE-25	STRENGTH BEHIND THE NECK PRESS	1	SALVAGED	LIFE FITNESS
FE-26	FLAT BENCH	1	#F201	FREEMOTION
FE-27	OLYMPIC WEIGHT BENCH	1	#F215	FREEMOTION
FE-28	OLYMPIC INCLINE BENCH	1	#F214	FREEMOTION
FE-29	LAT PULLDOWN MACHINE	1	HS-PD	FREEMOTION
FE-30	POWER RACK	1	#FMDY704004	FREEMOTION
FE-31	DUMBBELL WEIGHTS(10-45LBS)	1	ACC-DB-4000-02	LIFE FITNESS/HAMMER
FE-32	DUMBBELL WEIGHTS(80-100LBS)	1	RF0761-BLBR-O; IP0524-35-2; IP0524-45-2	ROGUE
FE-33	OLYMPIC WEIGHTS	1	#F219	FREEMOTION
FE-34	OLYMPIC BARS & RACK	1	#EF219	FREEMOTION
FE-35	COMMERCIAL TREADMILL	1	VMTL29818	FREEMOTION
FE-36	CHEST PRESS	1	SALVAGED	LIFE FITNESS
FE-37	STAND ALONE BENCH PRESS	1	SALVAGED	LIFE FITNESS
FE-38	FLY MACHINE	1	#ES806	FREEMOTION
WR-1	WASTE RECEPTACLE	1	#H-1197BL	RUBBERMAID

GENERAL NOTES:
1. SEE SPEC 02 41 16 STRUCTURAL DEMOLITION FOR NOTES ON SALVAGED ITEMS.

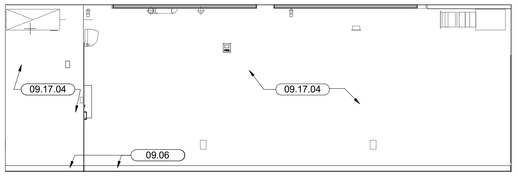
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.04	PT-4.
11.02	FLAT SCREEN TV. REFER TO ELEVATION FOR DETAILS.



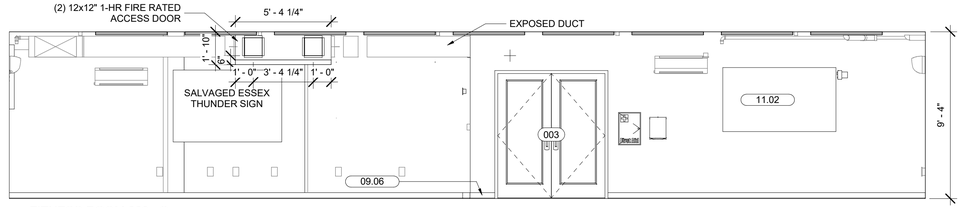
2 FITNESS ROOM 003 - N
1/4" = 1'-0"



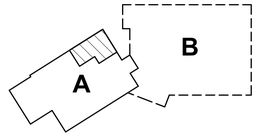
3 FITNESS ROOM 003 - E
1/4" = 1'-0"



4 FITNESS ROOM 003 - W
1/4" = 1'-0"



5 FITNESS ROOM 003 - S
1/4" = 1'-0"



KEY PLAN

C:\Users\dhay\Documents\22219A1 - BC OC Essex Police Station DJD_dhayQZANB.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS, ELEVS. & FITNESS EQUIP - BSMT

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

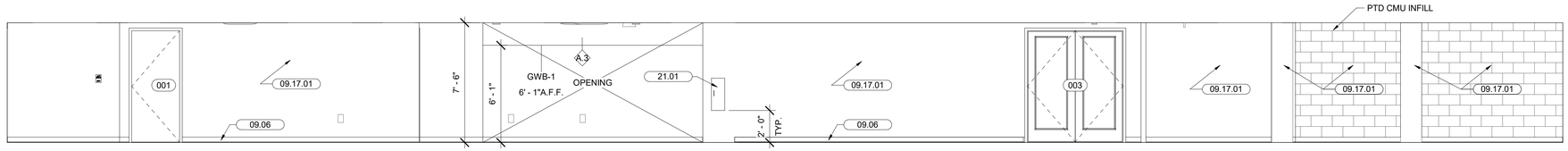
305 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4674 fax

229 West Market Street, York, Pennsylvania 17401
717-848-6827 voice 717-845-3448 fax

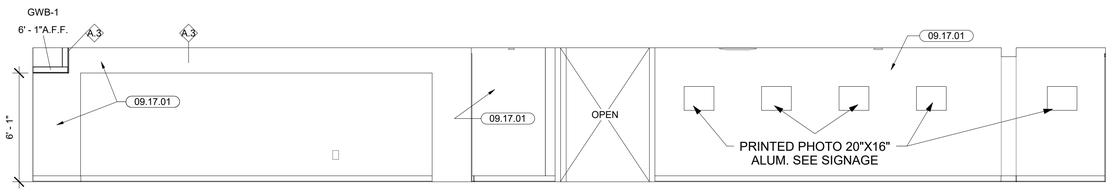
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A-422	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 127 OF 295
	DRAWING NUMBER
	2025-1018
	FILE NO.: 8 REV. 00/00

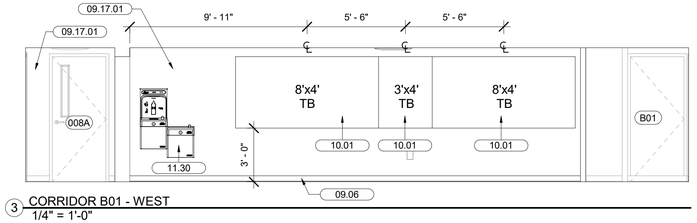
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.14	6 COMPARTMENT PISTOL LOCKER - FLUSH.
11.30	ELECTRIC WATER COOLER.
21.01	FIRE EXTINGUISHER CABINET, SEE CODE PLAN.
26.01	ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS FOR DETAILS.



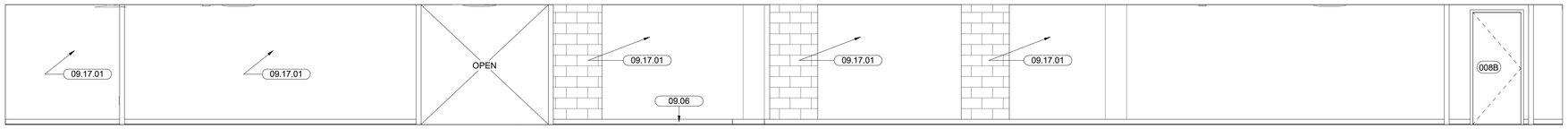
1 CORRIDOR B01 A - NORTH
1/4" = 1'-0"



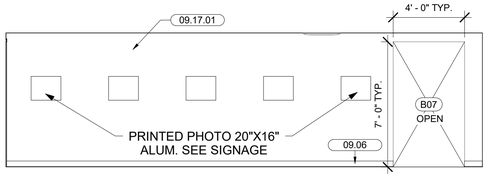
2 CORRIDOR B01 - EAST
1/4" = 1'-0"



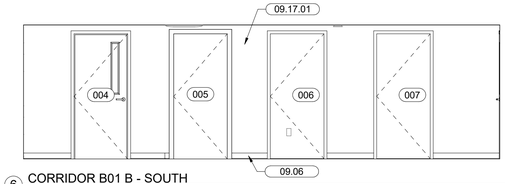
3 CORRIDOR B01 - WEST
1/4" = 1'-0"



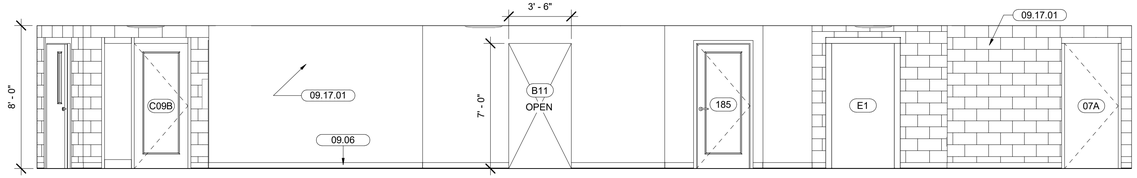
4 CORRIDOR B01 A - SOUTH
1/4" = 1'-0"



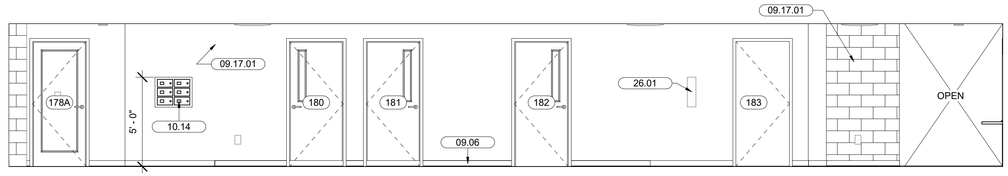
5 CORRIDOR B01 B - NORTH
1/4" = 1'-0"



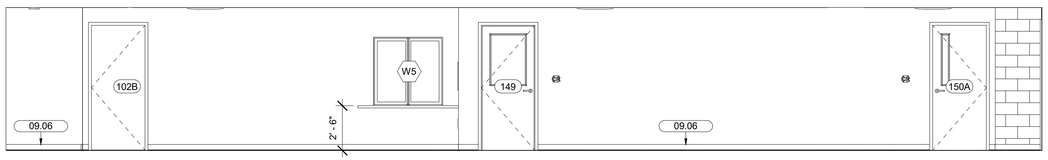
6 CORRIDOR B01 B - SOUTH
1/4" = 1'-0"



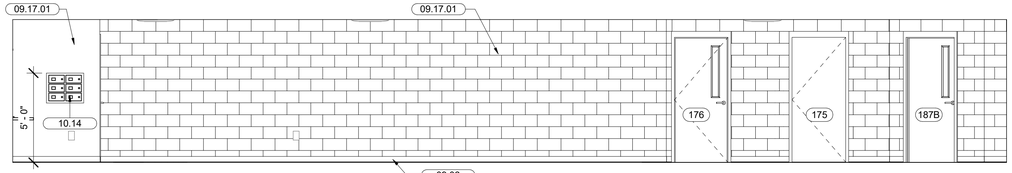
7 1ST FL CORRIDOR C08 PART A - NORTH
1/4" = 1'-0"



8 1ST FL CORRIDOR C08 PART A - EAST
1/4" = 1'-0"



9 1ST FL CORRIDOR C08 PART A - SOUTH
1/4" = 1'-0"



10 1ST FL CORRIDOR C08 PART A - WEST
1/4" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-3448 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-423	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 128 OF 295
	DRAWING NUMBER
	2025-1019
	FILE NO.: 8 REV: 03/02

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

CORRIDOR ELEVS. - 1ST FL & BASEMENT PART A

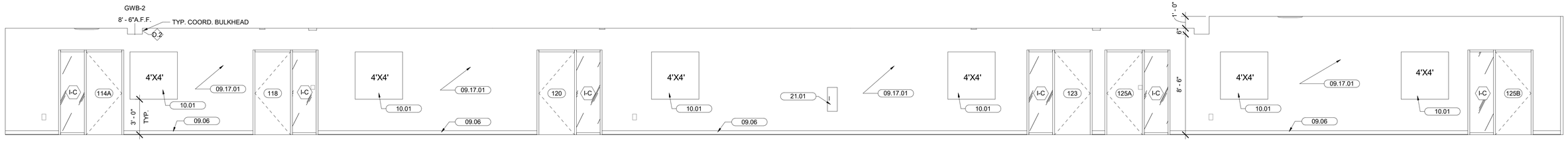
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

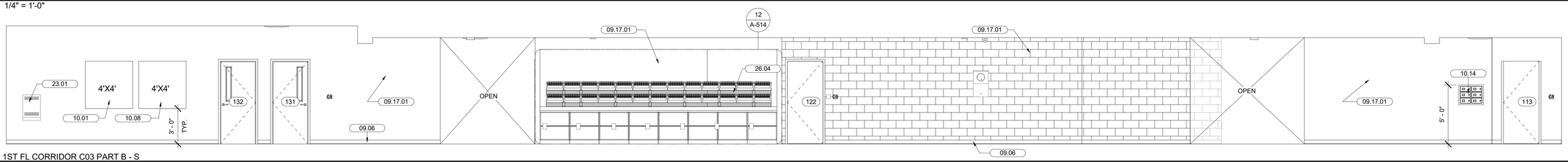
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

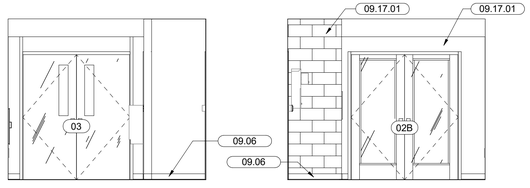
BALTIMORE COUNTY MARYLAND



1 1ST FL CORRIDOR C03 PART B - N
1/4" = 1'-0"

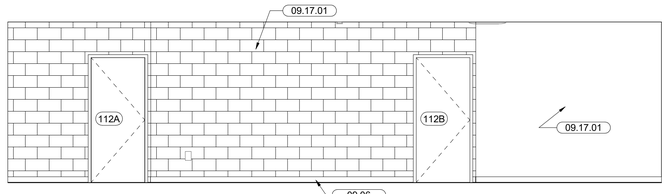


3 1ST FL CORRIDOR C03 PART B - S
1/4" = 1'-0"

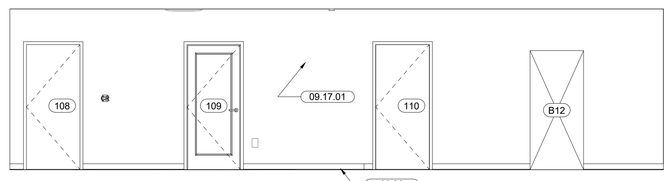


2 1ST FL CORRIDOR C03 PART B - E
1/4" = 1'-0"

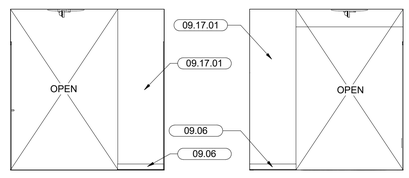
4 1ST FL CORRIDOR C03 PART B - W
1/4" = 1'-0"



5 1ST FL CORRIDOR C04 PART B - E
1/4" = 1'-0"

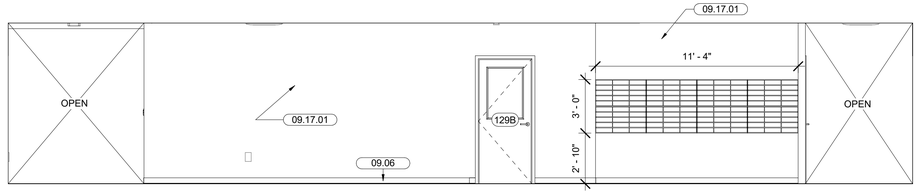


6 1ST FL CORRIDOR C04 PART B - W
1/4" = 1'-0"

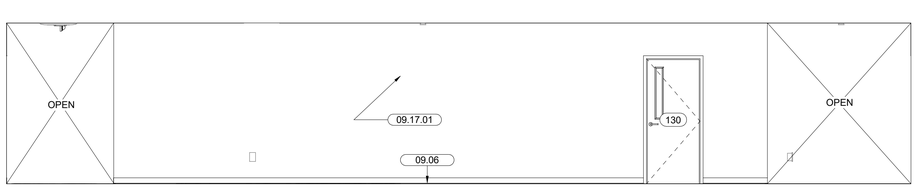


9 1ST FL CORRIDOR C08 PART B - E
1/4" = 1'-0"

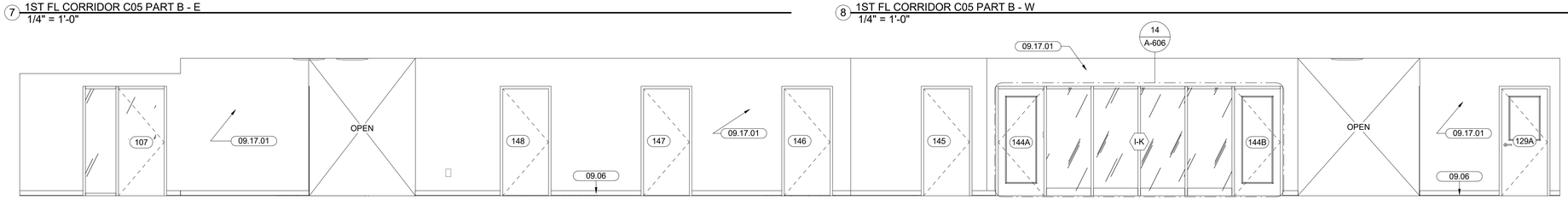
10 1ST FL CORRIDOR C08 PART B - W
1/4" = 1'-0"



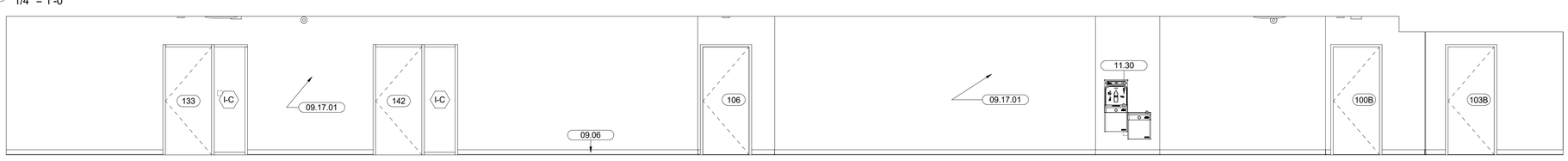
7 1ST FL CORRIDOR C05 PART B - E
1/4" = 1'-0"



8 1ST FL CORRIDOR C05 PART B - W
1/4" = 1'-0"



11 1ST FL CORRIDOR C08 PART B - N
1/4" = 1'-0"



12 1ST FL CORRIDOR C08 PART B - S
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.17.01	PT-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.08	MARKER BOARD. REFER TO ELEVATIONS FOR DETAILS.
10.14	6 COMPARTMENT PISTOL LOCKER - FLUSH.
11.30	ELECTRIC WATER COOLER.
21.01	FIRE EXTINGUISHER CABINET, SEE CODE PLAN.
23.01	MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS FOR DETAILS.
26.04	ELECTRIC & DATA WIREMOLD, SEE ELECTRICAL & TA.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

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.
R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

CORRIDOR ELEVS. - 1ST FL PART B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

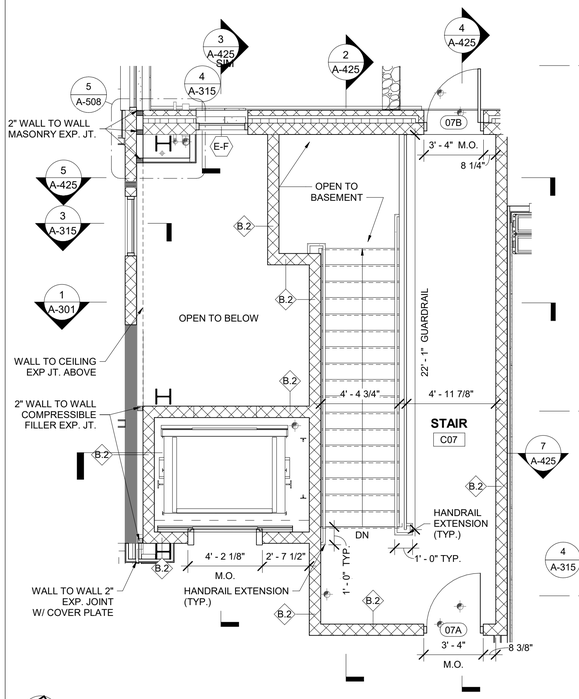
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4514 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2448 fax

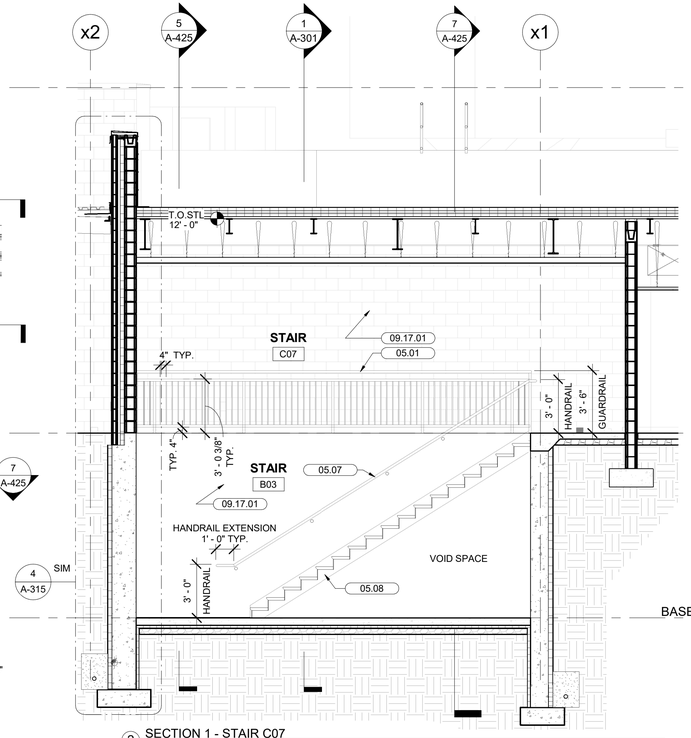
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A-424	25022 PP0
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	PROJ-10000636
	SHEET 129 OF 295
	DRAWING NUMBER
	2025-1020
	FILE NO.: 8 REV. 03/22

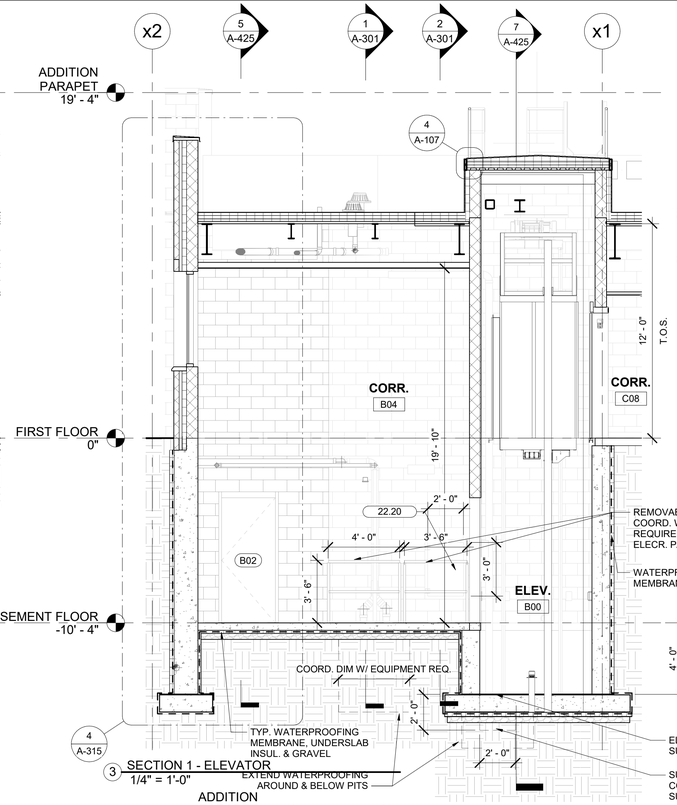
BALTIMORE COUNTY MARYLAND



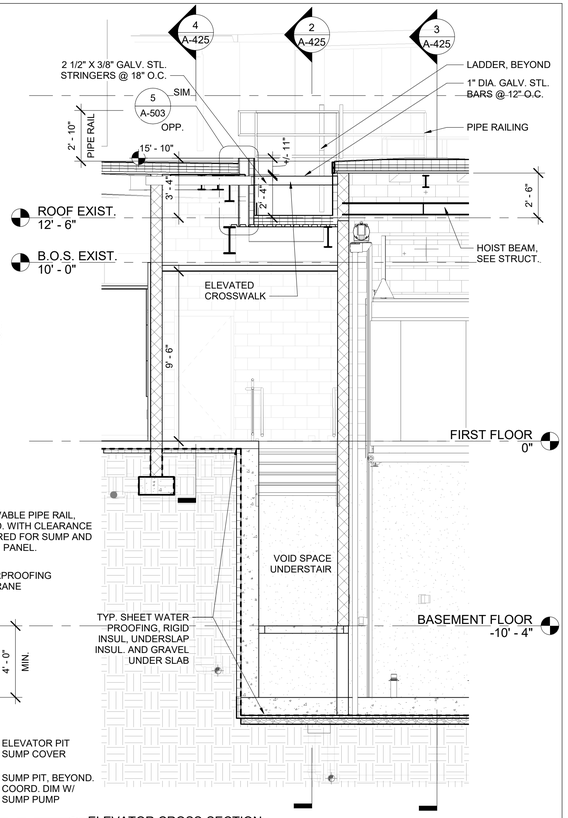
1 ENLARGED PLAN - 1ST FL LEVEL - STAIR C07
1/4" = 1'-0"



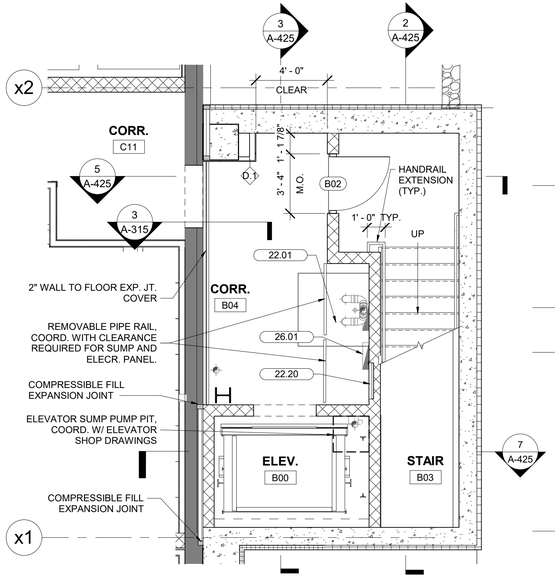
2 SECTION 1 - STAIR C07
1/4" = 1'-0"



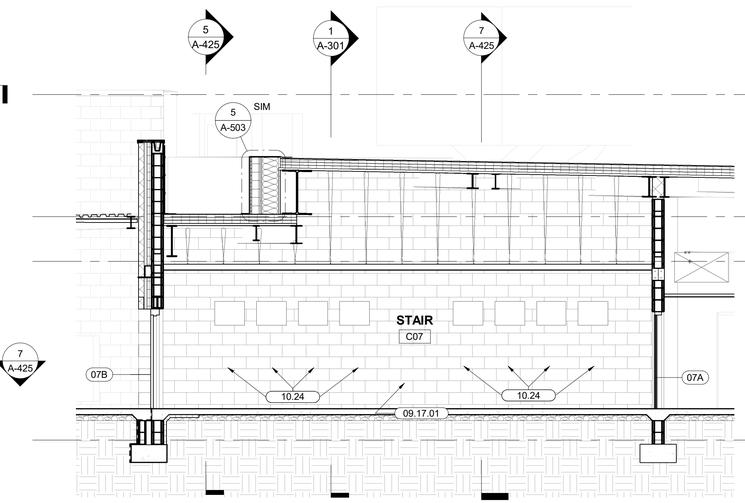
3 SECTION 1 - ELEVATOR
1/4" = 1'-0"



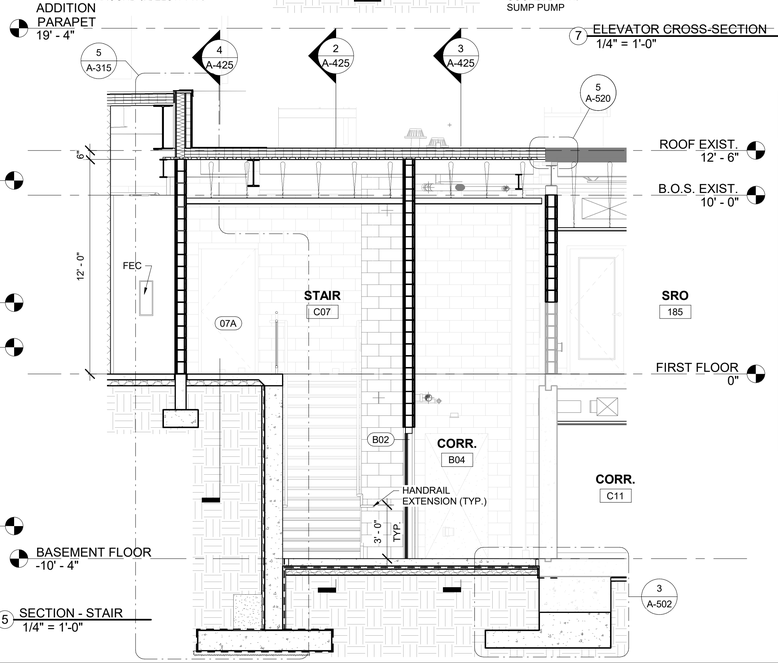
7 ELEVATOR CROSS-SECTION
1/4" = 1'-0"



6 ENLARGED PLAN - BASEMENT LEVEL - STAIR C07
1/4" = 1'-0"



4 SECTION 2 - STAIR C07
1/4" = 1'-0"



5 SECTION - STAIR
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
05.01	METAL RAILING & BALUSTERS.
05.07	METAL HANDRAIL, WALL MOUNTED.
05.08	STEEL STAIR WITH RUBBER THREADS AND RISER FINISH, SEE FINISH PLAN & SCHEDULE.
09.17.01	PT-1.
10.24	INTERIOR SIGNAGE, SEE SIGNAGE PLAN.
22.01	PLUMBING EQUIPMENT AND PIPING. SEE PLUMBING DRAWINGS
22.20	ACCESS PANEL, HIGH SECURITY W/ MASONRY FLANGE SEE ELEVATION FOR DIM.
26.01	ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	1/4" = 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

ESSEX POLICE PRECINCT - 11

STAIR & ELEVATOR PLANS, SECTIONS & DETAILS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

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

229 West Market Street, York, Pennsylvania 17401
717-845-8627 voice 717-845-2446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-425	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 130 OF 295
	DRAWING NUMBER
	2025-1021
	FILE NO.: 8

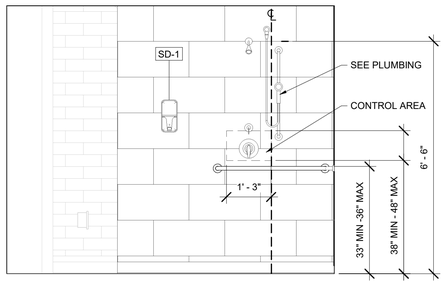
BALTIMORE COUNTY MARYLAND

REV. 03/03

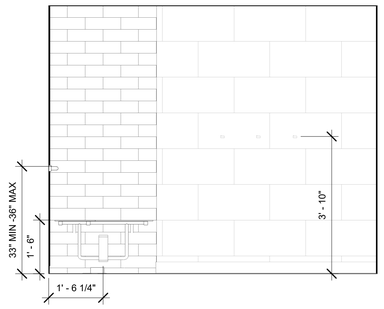
TOILET ACCESSORIES SCHEDULE							
MARK	DESCRIPTION	MODEL NUMBER	MOUNTING	MOUNTING HEIGHT	FURNISHED BY	INSTALLED BY	BASIS OF DESIGN MFG. & COMMENTS
BN-1	SHOWER SEAT		SURFACE	48" MAX TO TOP OF OPERABLE PART	CONTRACTOR	CONTRACTOR	ADA fold down bench
DC-1	BABY CHANGING STATION	KB200-SSRE	SURFACE	34" MAX TO OPEN WORK SURFACE	CONTRACTOR	CONTRACTOR	Koala Kare
EHD	ELECTRIC HAND DRYER	XL-SB-1.1N-110 -120V	SURFACE		CONTRACTOR	CONTRACTOR	Excel-dryer
GB-18	ADA GRAB BAR	B-6808 x18	SURFACE	33" TO 36"	CONTRACTOR	CONTRACTOR	Bobric
GB-18, 36, 42	ADA GRAB BAR	B-6808 x18 x 36 x42	SURFACE	3'-0" MAX TO TOP OF BAR	CONTRACTOR	CONTRACTOR	Bobric
GB-36	ADA GRAB BAR	B-6808 x 36	SURFACE	3'-0" MAX TO TOP OF BAR	CONTRACTOR	CONTRACTOR	Bobric
MB-1	MOP HANGER	B-224 x 36	SURFACE	72" TO TOP	CONTRACTOR	CONTRACTOR	Bobric
MR-1	MIRROR	PER 08 83 00	SURFACE	40" MAX TO BOTTOM OF GLASS	CONTRACTOR	CONTRACTOR	See Specifications 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 OPERABLE PART	CONTRACTOR	CONTRACTOR	Scotts Essential
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	Bobric
WR-1			SURFACE	FLOOR			

NOTES:

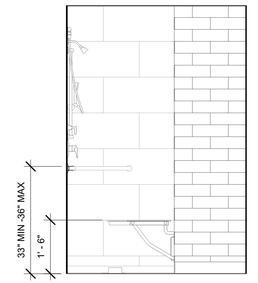
1. SEE SPEC FOR ADDITIONAL INFORMATION ON TOILET ACCESSORIES MANUFACTURER
2. QUANTITIES ARE TO BE TAKEN OFF OF ELEVATIONS ON A-420, A-430, A-431.
3. MB-1 IS LOCATED IN RMS 007, 110 & 175, ONE IN EACH.
4. SEE TD-1 IN BREAK ROOM, 2/A-402
5. SEE ALL ENLARGED PLANS FOR WR-1 & WR-2



1 TYPICAL SHOWER - CONTROL WALL
1/2" = 1'-0"

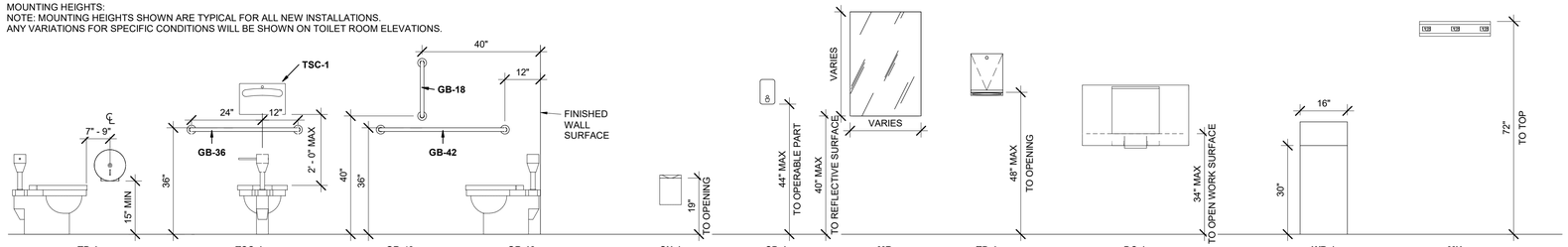


2 TYPICAL SHOWER - SEAT WALL
1/2" = 1'-0"



3 TYPICAL SHOWER - SIDE WALL
1/2" = 1'-0"

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

TSC-1 TOILET SEAT COVER DISPENSER - WALL 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

WR-1 WASTE RECEPTACLE

MH BROOM / MOP HOLDER SURFACE MOUNTED

TOILET ACCESSORIES MOUNTING HEIGHT
1/2" = 1'-0"

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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 717-848-6827 voice 717-845-3446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE: JULY 14, 2025 7/14/2025

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AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: 1/2" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
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REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

TOILET ACCESSORIES DIAGRAMS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

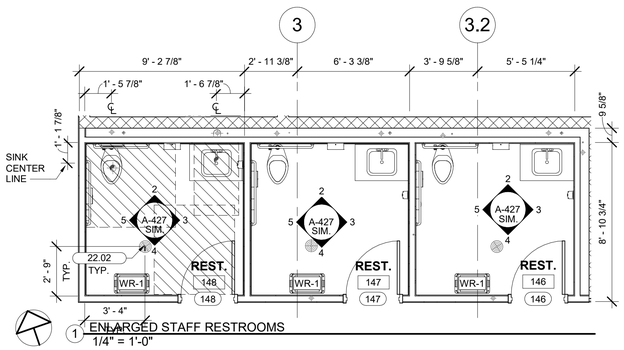
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

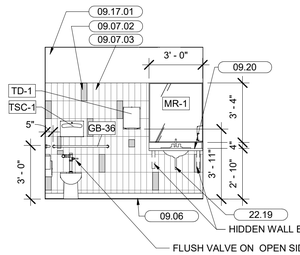
SHEET DESIGNATION	CONTRACT NUMBER
A-426	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 131 OF 295
	DRAWING NUMBER
	2025-1022
	FILE NO.: 8 REV: 03/22

BALTIMORE COUNTY MARYLAND

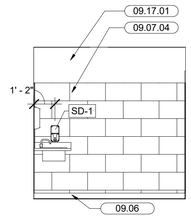
DWG. FILENAME:



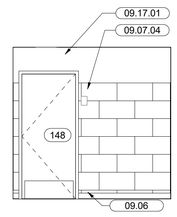
1 ENLARGED STAFF RESTROOMS
1/4" = 1'-0"



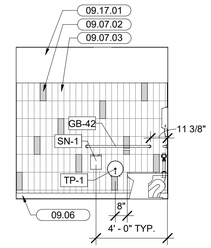
2 RESTROOM 146, 147 & 148 - N
1/4" = 1'-0"



3 RESTROOM 146, 147 & 148 - E
1/4" = 1'-0"



4 RESTROOM 146, 147 & 148 - S
1/4" = 1'-0"

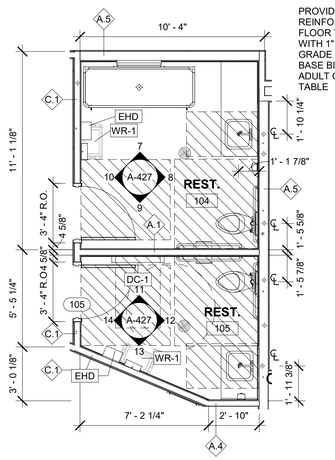


5 RESTROOM 146, 147 & 148 - W
1/4" = 1'-0"

NOTE: TOILET ACCESSORIES SHALL BE PROVIDED FOR ALL THREE SIMILAR ROOMS.

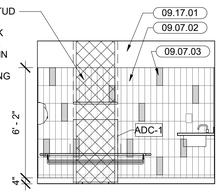
KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.07.02	CT-2A
09.07.03	CT-2B
09.07.04	CT-3
09.17.01	PT-1.
09.20	SSM-2.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.
22.19	UNDER LAVATORY GUARD.

NOTE: SEE DWG A-426 FOR TOILET ACCESSORY SCHEDULE.

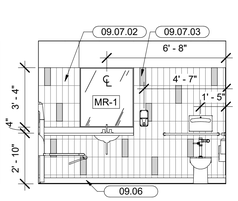


6 ENLARGED PLAN - RESTROOMS 104 & 105
1/4" = 1'-0"

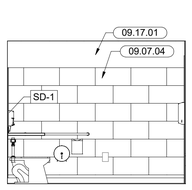
PROVIDE WD STUD REINFORCING, FLOOR TO DECK WITH 1" MARINE GRADE PLYWD IN BASE BID FOR ADULT CHANGING TABLE



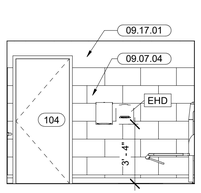
7 RESTROOM 104 - N
1/4" = 1'-0"



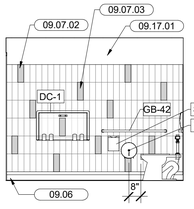
8 RESTROOM 104 - E
1/4" = 1'-0"



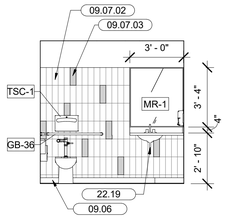
9 RESTROOM 104 - S
1/4" = 1'-0"



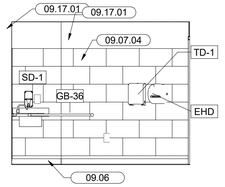
10 RESTROOM 104 - W
1/4" = 1'-0"



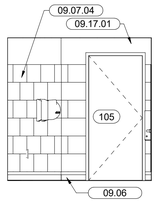
11 RESTROOM 105 - N
1/4" = 1'-0"



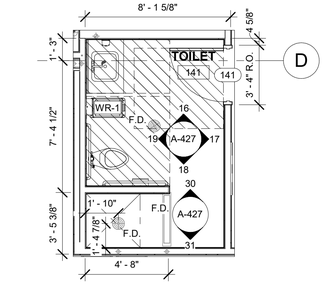
12 RESTROOM 105 - E
1/4" = 1'-0"



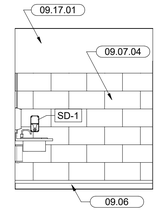
13 RESTROOM 105 - S
1/4" = 1'-0"



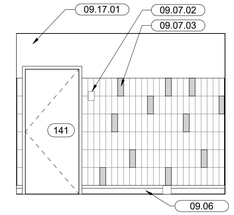
14 RESTROOM 105 - W
1/4" = 1'-0"



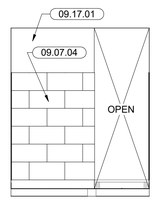
15 ENLARGED PLAN - CAPT. TOILET 141
1/4" = 1'-0"



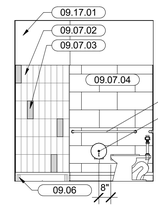
16 CAPT. TOILET - N
1/4" = 1'-0"



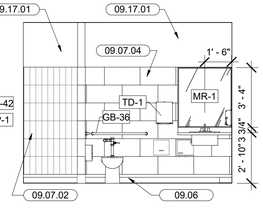
17 CAPT. TOILET - E
1/4" = 1'-0"



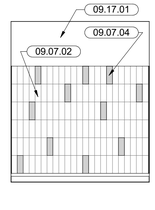
30 CAPT. TOILET - SHOWER - N
1/4" = 1'-0"



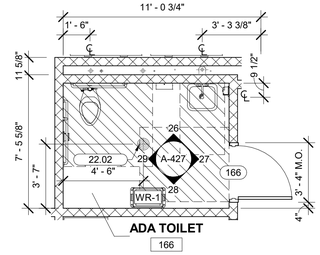
18 CAPT. TOILET - S
1/4" = 1'-0"



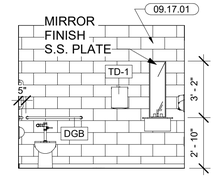
19 CAPT. TOILET - W
1/4" = 1'-0"



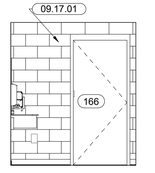
31 CAPT. TOILET - SHOWER - S
1/4" = 1'-0"



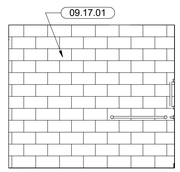
25 ENLARGED PLAN - DETENTION TOILET 166
1/4" = 1'-0"



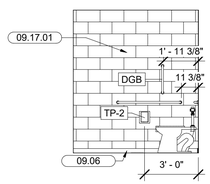
26 DETENTION TOILET 166 - N
1/4" = 1'-0"



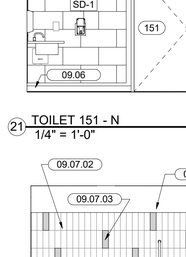
27 DETENTION TOILET 166 - E
1/4" = 1'-0"



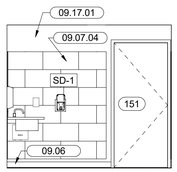
28 DETENTION TOILET 166 - S
1/4" = 1'-0"



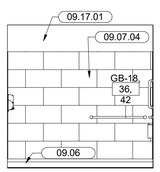
29 DETENTION TOILET 166 - W
1/4" = 1'-0"



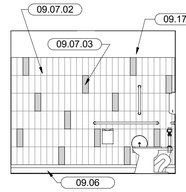
20 ENLARGED PLAN - TOILET 151
1/4" = 1'-0"



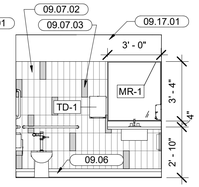
21 TOILET 151 - N
1/4" = 1'-0"



22 TOILET 151 - E
1/4" = 1'-0"



23 TOILET 151 - S
1/4" = 1'-0"



24 TOILET 151 - W
1/4" = 1'-0"

C:\Users\dhay\Documents\22139341 - BC OC Essex Police Station D3_dhayRZANSB.rvt

DWG FILENAME:

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A STATE OF MARYLAND FRANK ELWOOD DITTENHAFER II 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - RESTROOMS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

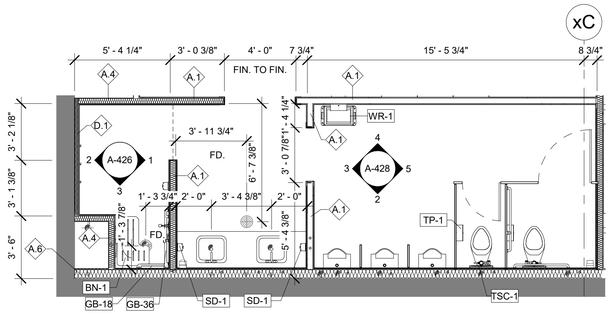
Murphy & Dittenhafer ARCHITECTS

305 North Charles Street, Baltimore, Maryland 21201
410-625-4023 voice 410-625-4514 fax

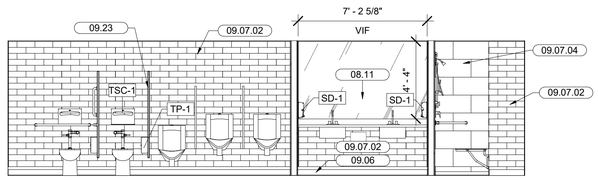
229 West Market Street, York, Pennsylvania 17401
717-848-6827 voice 717-845-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-427	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 132 OF 295	DRAWING NUMBER
	2025-1023
FILE NO.: 8	REV. 0/0/22

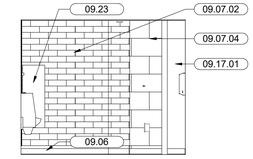
KEYNOTE LEGEND	
TAG	DESCRIPTION
08.11	FRAMELESS MIRROR
09.06	WALL BASE PER RM FINISH SCHEDULE.
09.07.02	CT-2A
09.07.04	CT-3
09.17.01	PT-1.
09.23	HDPE TOILET PARTITION.
22.02	FLOOR DRAIN - REFER TO PLUMBING DRAWINGS.



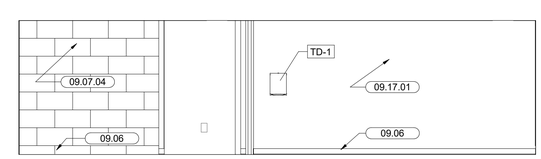
1 ENLARGED PLAN - MEN'S LOCKER RESTROOM 008
1/4" = 1'-0"



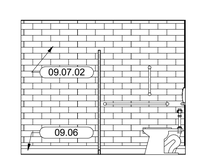
2 MEN'S LOCKER RESTROOM 008 - S
1/4" = 1'-0"



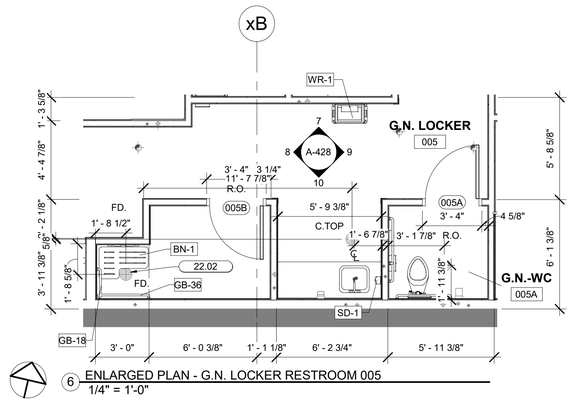
3 MEN'S LOCKER RESTROOM 008 - W
1/4" = 1'-0"



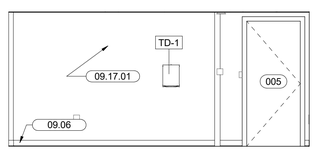
4 MEN'S LOCKER RESTROOM 008 - N
1/4" = 1'-0"



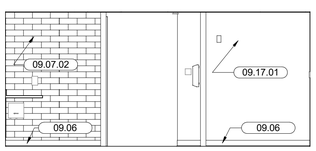
5 MEN'S LOCKER RESTROOM 008 - E
1/4" = 1'-0"



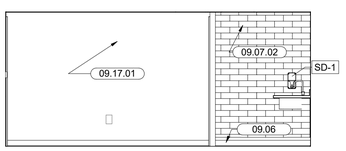
6 ENLARGED PLAN - G.N. LOCKER RESTROOM 005
1/4" = 1'-0"



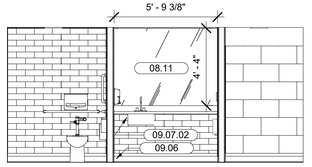
7 G.N. LOCKER RESTROOM 005 - N
1/4" = 1'-0"



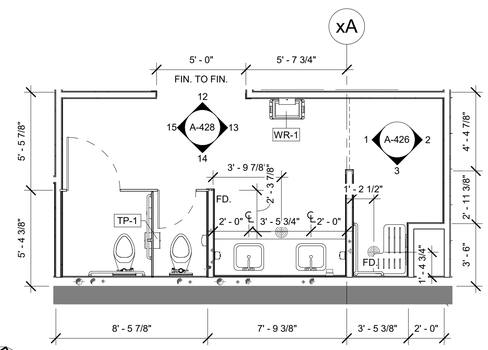
8 G.N. LOCKER RESTROOM 005 - W
1/4" = 1'-0"



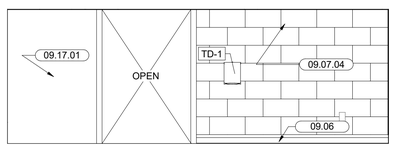
9 G.N. LOCKER RESTROOM 005 - E
1/4" = 1'-0"



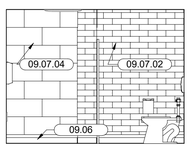
10 G.N. LOCKER RESTROOM 005 - S
1/4" = 1'-0"



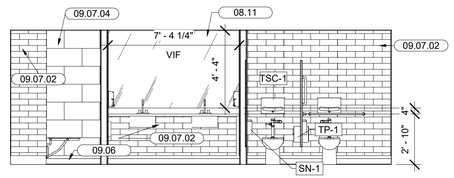
11 ENLARGED PLAN - WOMEN'S LOCKER RESTROOM 004
1/4" = 1'-0"



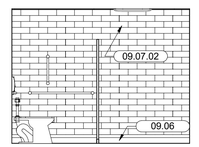
12 WOMEN'S LOCKER RESTROOM 004 - N
1/4" = 1'-0"



13 WOMEN'S LOCKER RESTROOM 004 - E
1/4" = 1'-0"



14 WOMEN'S LOCKER RESTROOM 004 - S
1/4" = 1'-0"



15 WOMEN'S LOCKER RESTROOM 004 - W
1/4" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE : JULY 14, 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.						ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/4" = 1'-0"	APPROVED BY:
LICENSE NO. 6607 EXPIRATION DATE 06/13/2027					R.O.W NO.			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 / REVIEWED BY:	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BY: DATE:	CHKD BY: RLM	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS & ELEVS. - LOCKER RESTROOMS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

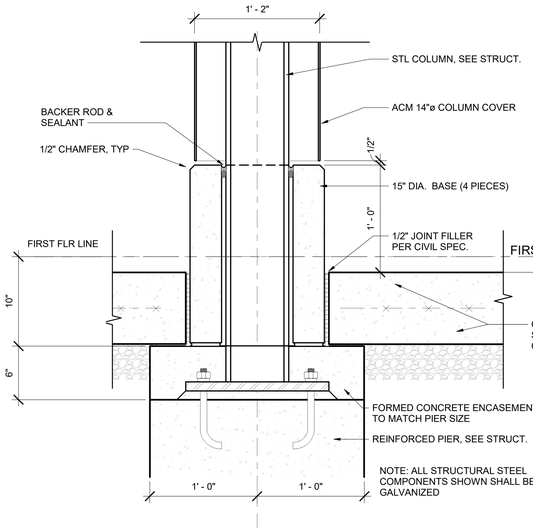
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-1446 fax

DWG. FILENAME: C:\Users\dwg\Documents\223139A1 - BC OC Essex Police Station DD_dwg\QCAN8.rvt

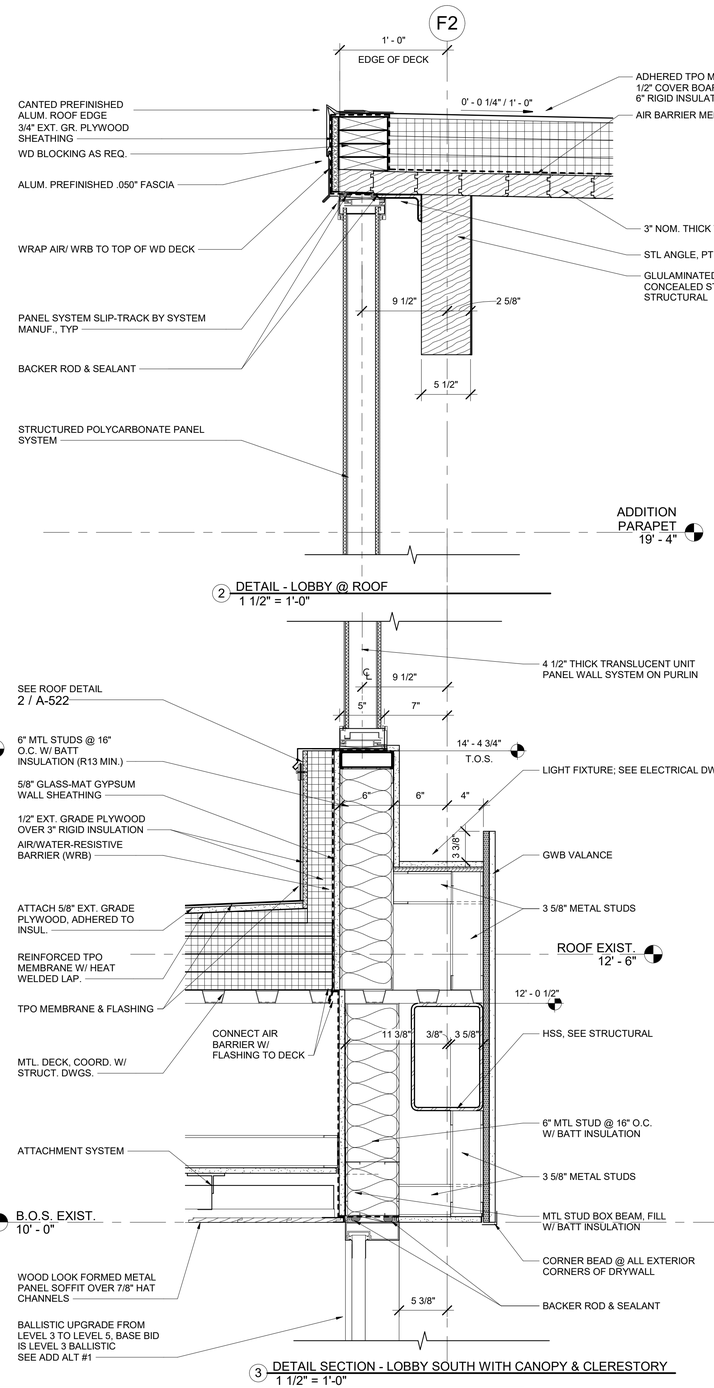
SHEET DESIGNATION	CONTRACT NUMBER
A-428	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 133 OF 295
	DRAWING NUMBER
	2025-1024
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

REV. 03/22

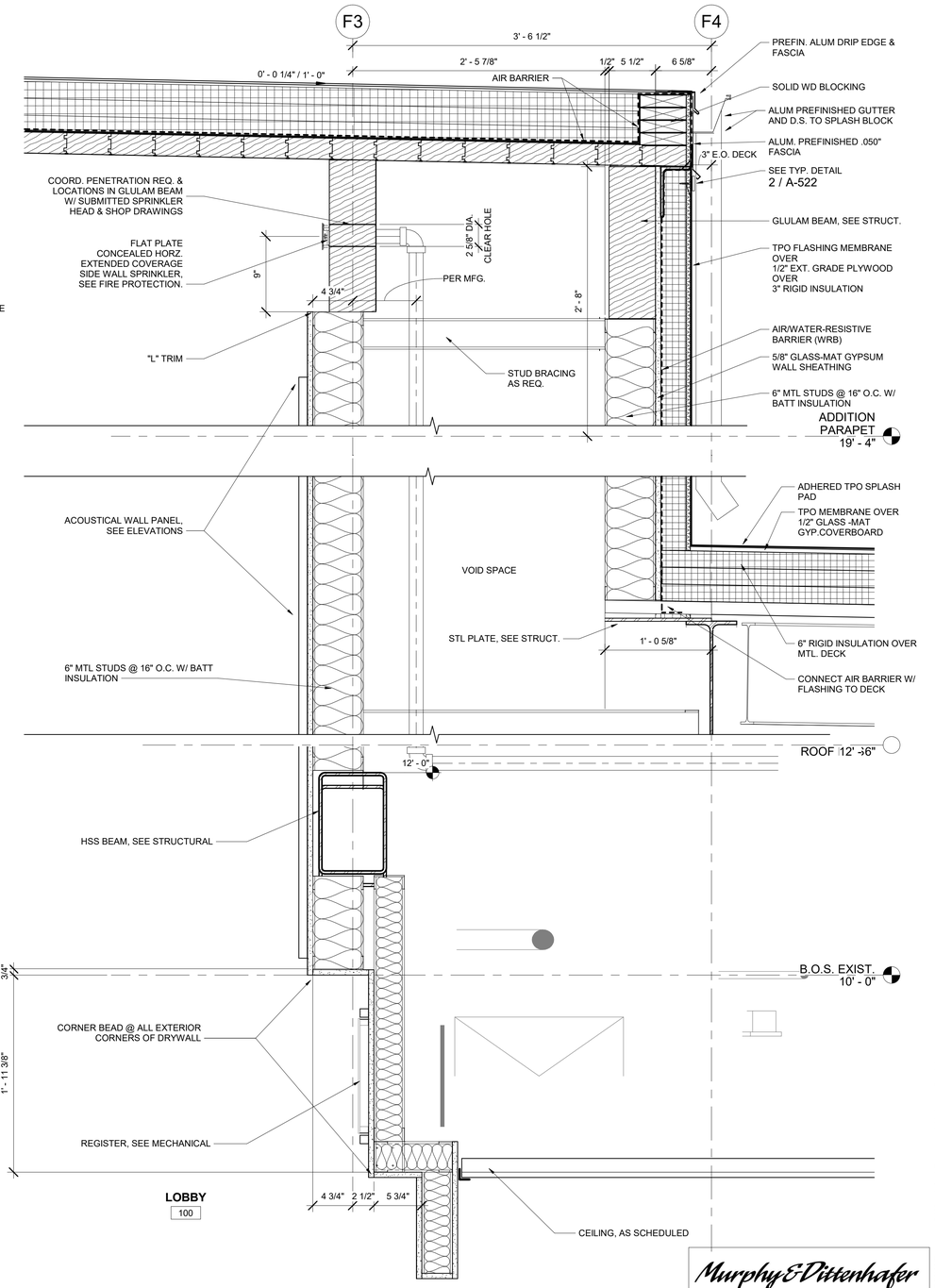


1 EXTERIOR COL. BASE DETAIL
1 1/2" = 1'-0"



2 DETAIL - LOBBY @ ROOF
1 1/2" = 1'-0"

3 DETAIL SECTION - LOBBY SOUTH WITH CANOPY & CLERESTORY
1 1/2" = 1'-0"



4 SECTION DETAIL - VOID SPACE @ LOBBY
1 1/2" = 1'-0"

C:\Users\dwg\Documents\23159A1 - BC OC Essex Police Station DD_dwgQZAN8.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-500	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 134 OF 295
	DRAWING NUMBER
	2025-1025
	FILE NO.: 8 REV. 03/22

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY:
DATE:

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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - VESTIBULE

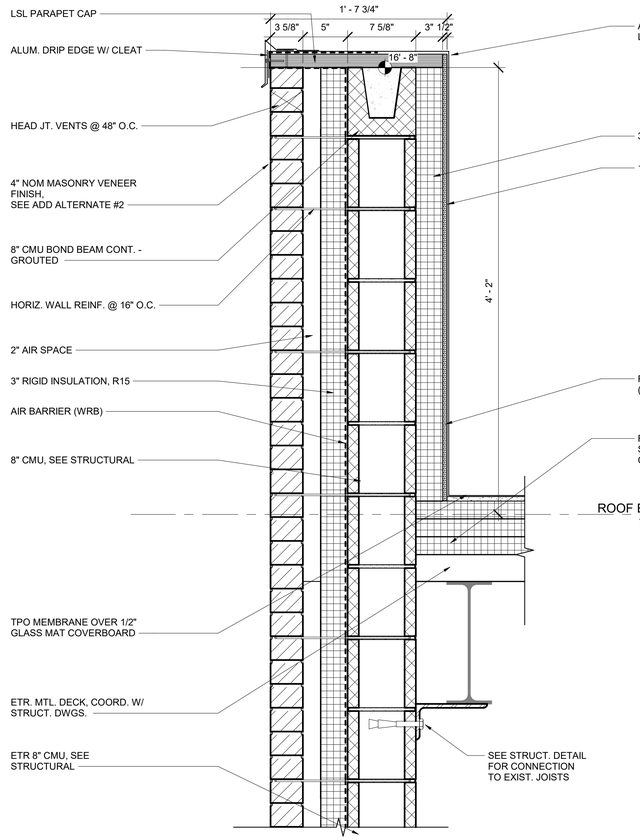
RENOVATION & ADDITION

SUBDIVISION: ESSEX

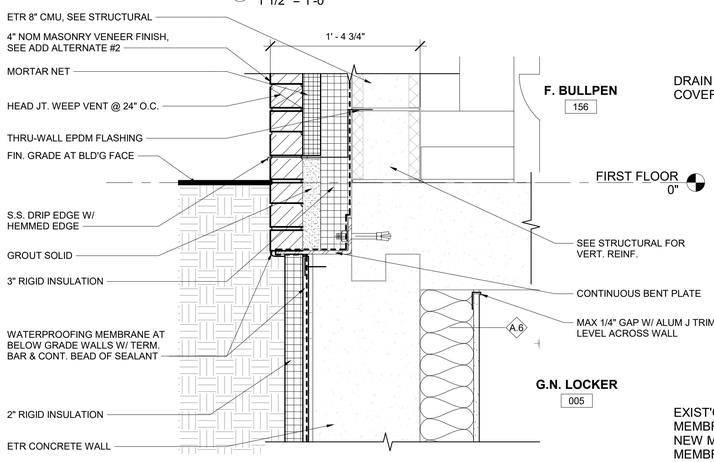
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

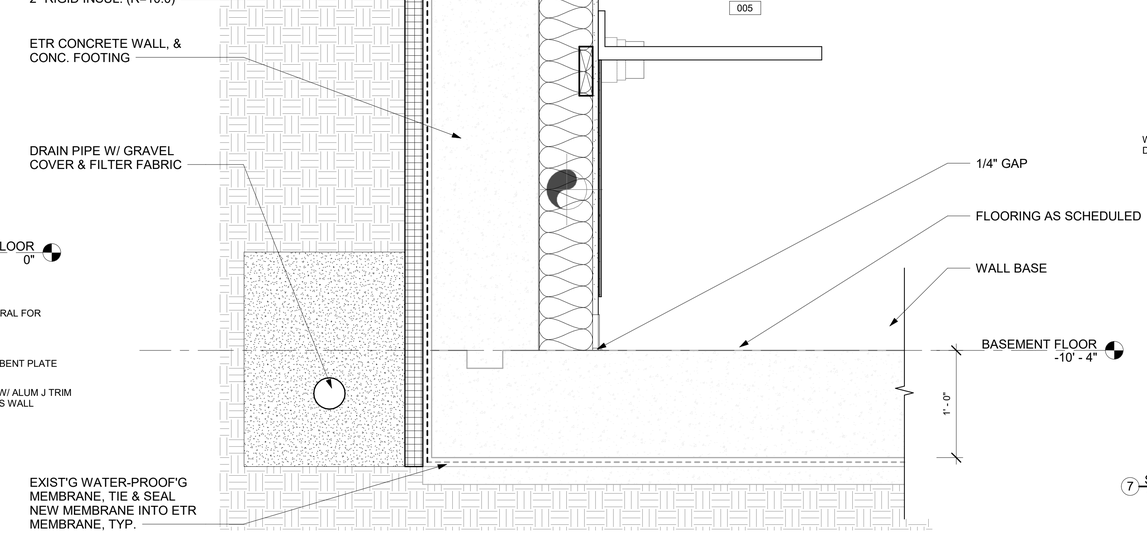
BALTIMORE COUNTY MARYLAND



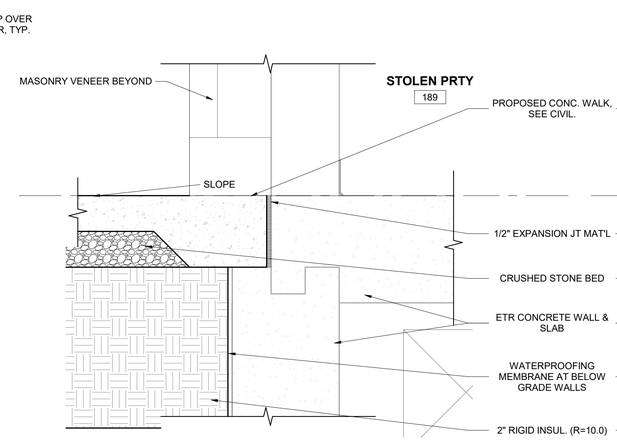
1 TYPICAL PARAPET DETAIL @ PART A
1 1/2" = 1'-0"



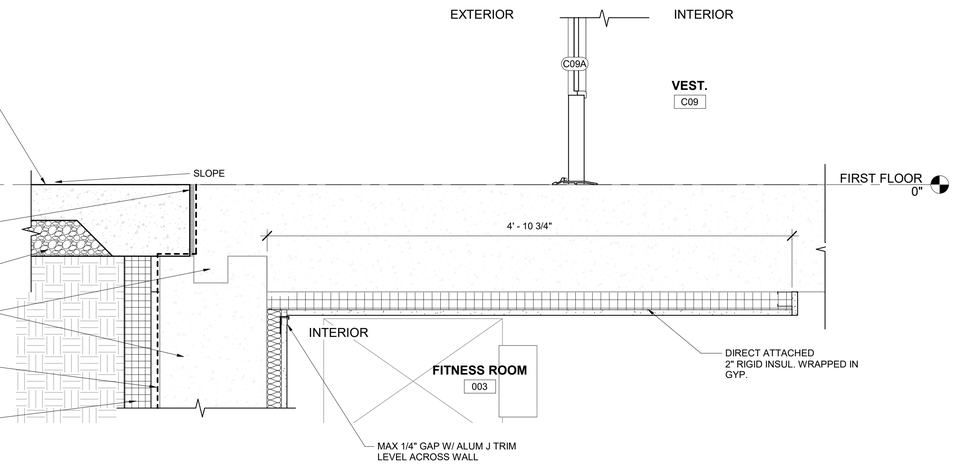
2 TYPICAL DETAIL - NEW ENVELOPE @ PART A
1 1/2" = 1'-0"



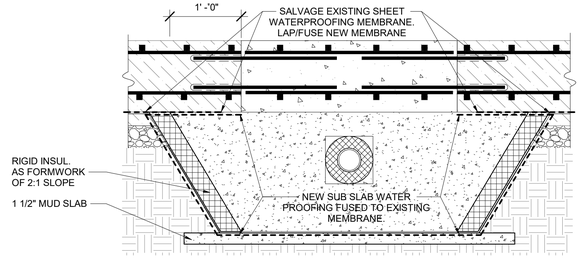
3 TYPICAL FOOTING DETAIL - EXISTING FOUNDATION & NEW ENVELOPE @ PART A
1 1/2" = 1'-0"



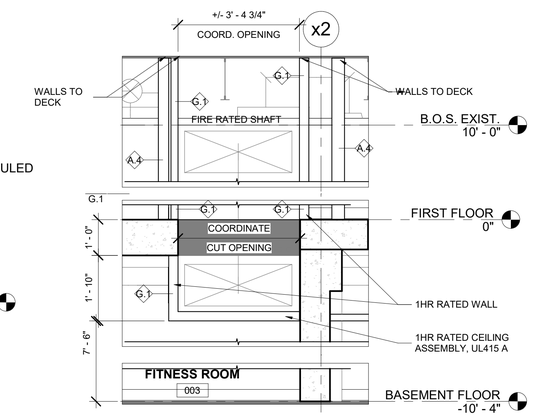
4 TYPICAL DETAIL - BREEZEWAY @ STORAGE
1 1/2" = 1'-0"



5 TYPICAL DETAIL - BREEZEWAY @ VESTIBULE
1 1/2" = 1'-0"



NEW PIPE UNDER EXISTING MAT SLAB - REPAIR - SEE STRUCTURAL DETAIL D/S-305



7 SECTION DETAIL - PART A - FIRE RATED SHAFT & BULKHEAD
1/2" = 1'-0"

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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 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		PROPERTY MANAGEMENT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	As indicated	APPROVED BY: PROPERTY MANAGER
			PROFILE SCALE:		DATE:

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - PART A

RENOVATION & ADDITION

SUBDIVISION: ESSEX

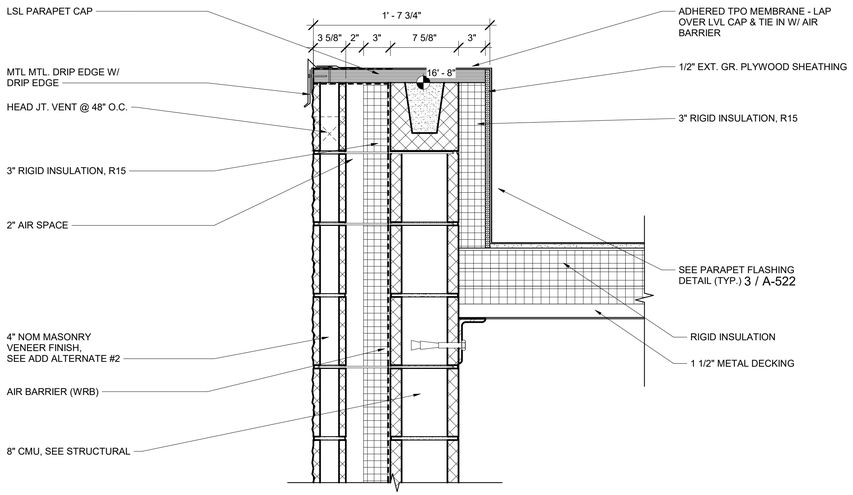
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

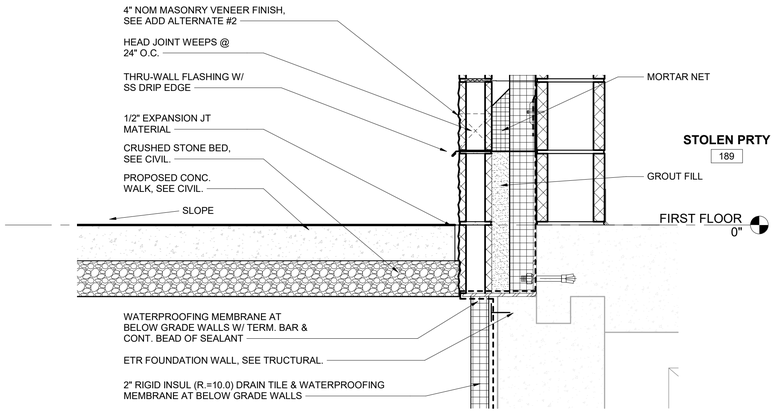
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania, 17401 717-846-8627 voice 717-843-2446 fax

DWG FILENAME: C:\Users\dwg\Documents\2219A1 - BC OC Essex Police Station DD_dwgQZ.rNA.rvt

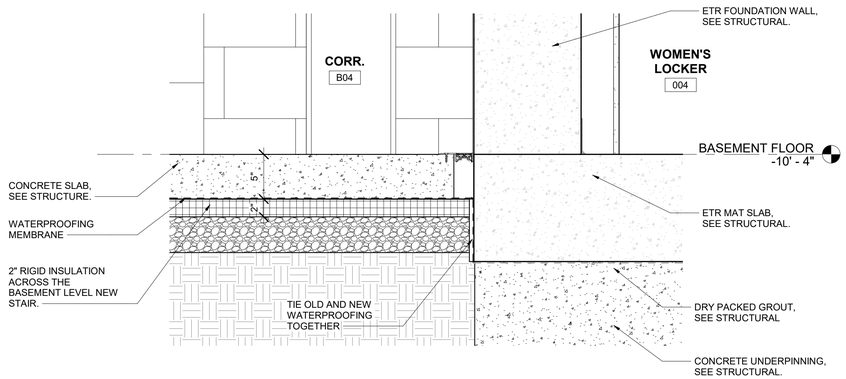
SHEET DESIGNATION	CONTRACT NUMBER
A-501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 135 OF 295
	DRAWING NUMBER
	2025-1026
	FILE NO.: 8 REV 25/22



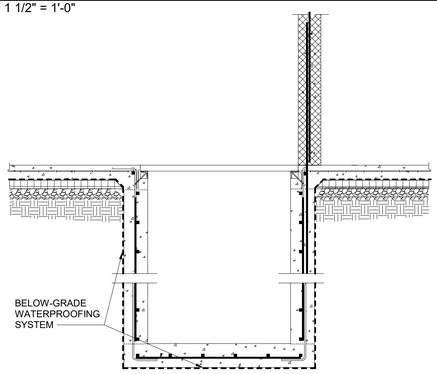
1 TYPICAL PARAPET DETAIL @ SALLYPORT
1 1/2" = 1'-0"



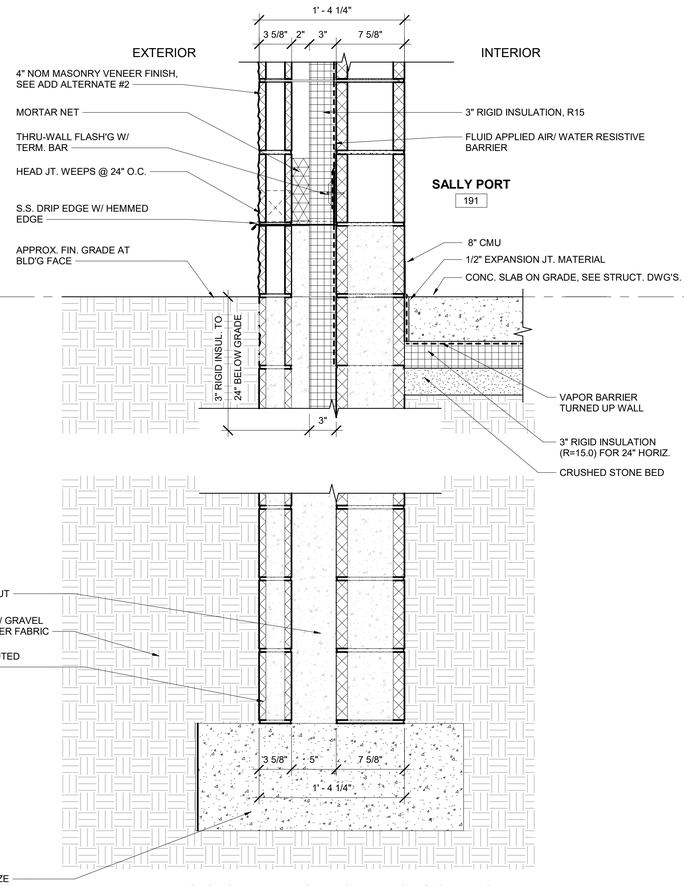
2 SECTION DETAIL - EXISTING FOUNDATION AND CMU WALL @ NEW ENVELOPE - PART A
1 1/2" = 1'-0"



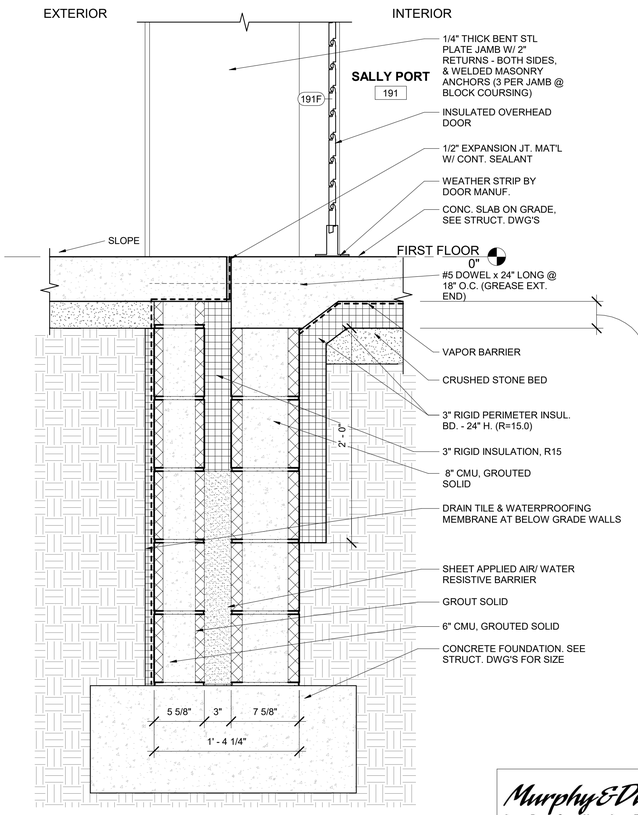
3 SECTION DETAIL - UNDERPIN. & STAIR SLAB BELOW GRADE
1 1/2" = 1'-0"



ELEVATOR PIT WATERPROOFING SECTION DETAIL - SEE STRUCTURAL A/S-402



5 SECTION DETAIL - CMU FOUNDATION @ SALLYPORT
1 1/2" = 1'-0"



6 SECTION DETAIL - TYPICAL CMU FOUNDATION DETAIL @ SALLYPORT OVERHEAD DOOR
1 1/2" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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	DGN BY: JAT		
AS-BUILT PER RECORD PRINT	DWN BY: DWG/AWU		
BY:	CHKD BY: RLM		
DATE:			

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - PART B

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

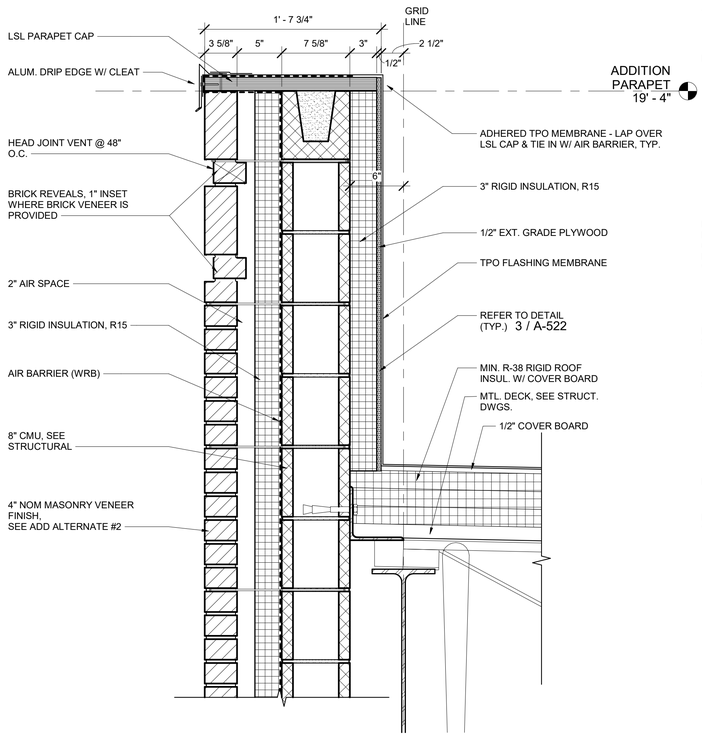
Murphy & Dittenhafer ARCHITECTS
609 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-502	25022 PP0

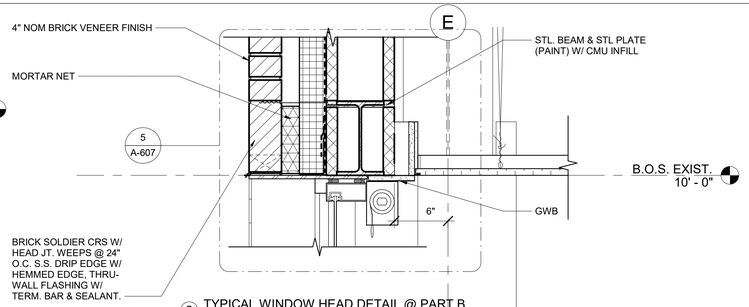
BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER
PROJ-10000636
SHEET 136 OF 295
DRAWING NUMBER
2025-1027
FILE NO.: 8 REV 0930

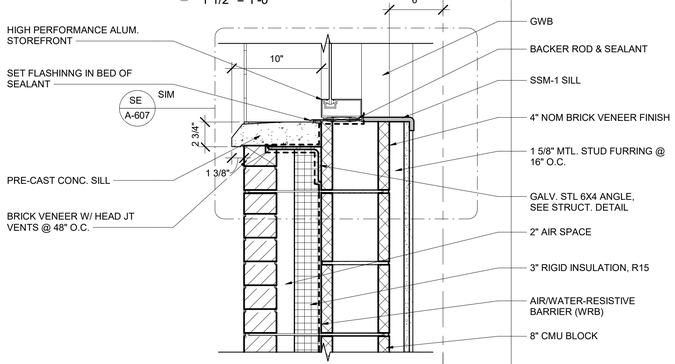
DWG FILENAME: C:\Users\dwg\Documents\12139.1 - BC OC Essex Police Station DD_dwgQZ.CNS.rvt



1 TYPICAL PARAPET DETAIL @ PART B
1 1/2" = 1'-0"

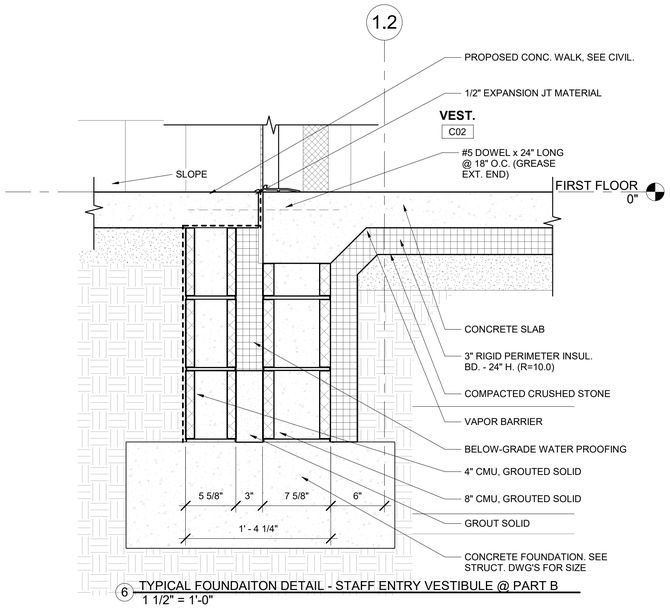


2 TYPICAL WINDOW HEAD DETAIL @ PART B
1 1/2" = 1'-0"

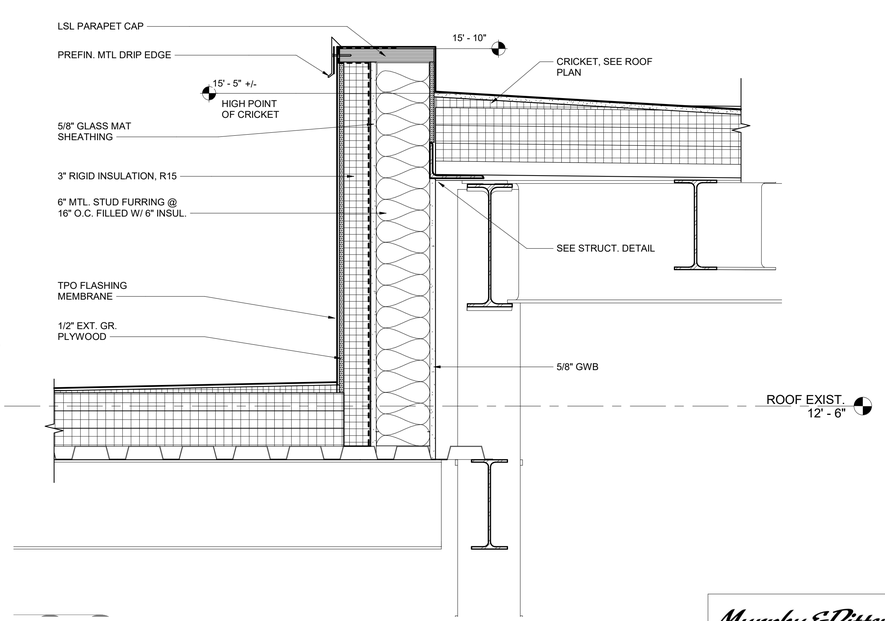


3 TYPICAL WINDOW SILL DETAIL @ PART B
1 1/2" = 1'-0"

4 TYPICAL FOUNDATION DETAIL @ PART B
1 1/2" = 1'-0"



6 TYPICAL FOUNDAITON DETAIL - STAFF ENTRY VESTIBULE @ PART B
1 1/2" = 1'-0"



5 PARAPET DETAIL @ PART B
1 1/2" = 1'-0"

C:\Users\dhay\Documents\2221930A1 - BC OC Essex Police Station DJD_dhayQZANB.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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	DGN BY: JAT		
AS-BUILT PER RECORD PRINT	DWN BY: DWG/AWU		
BY:	CHKD BY: RLM		
DATE:			

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - PART B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

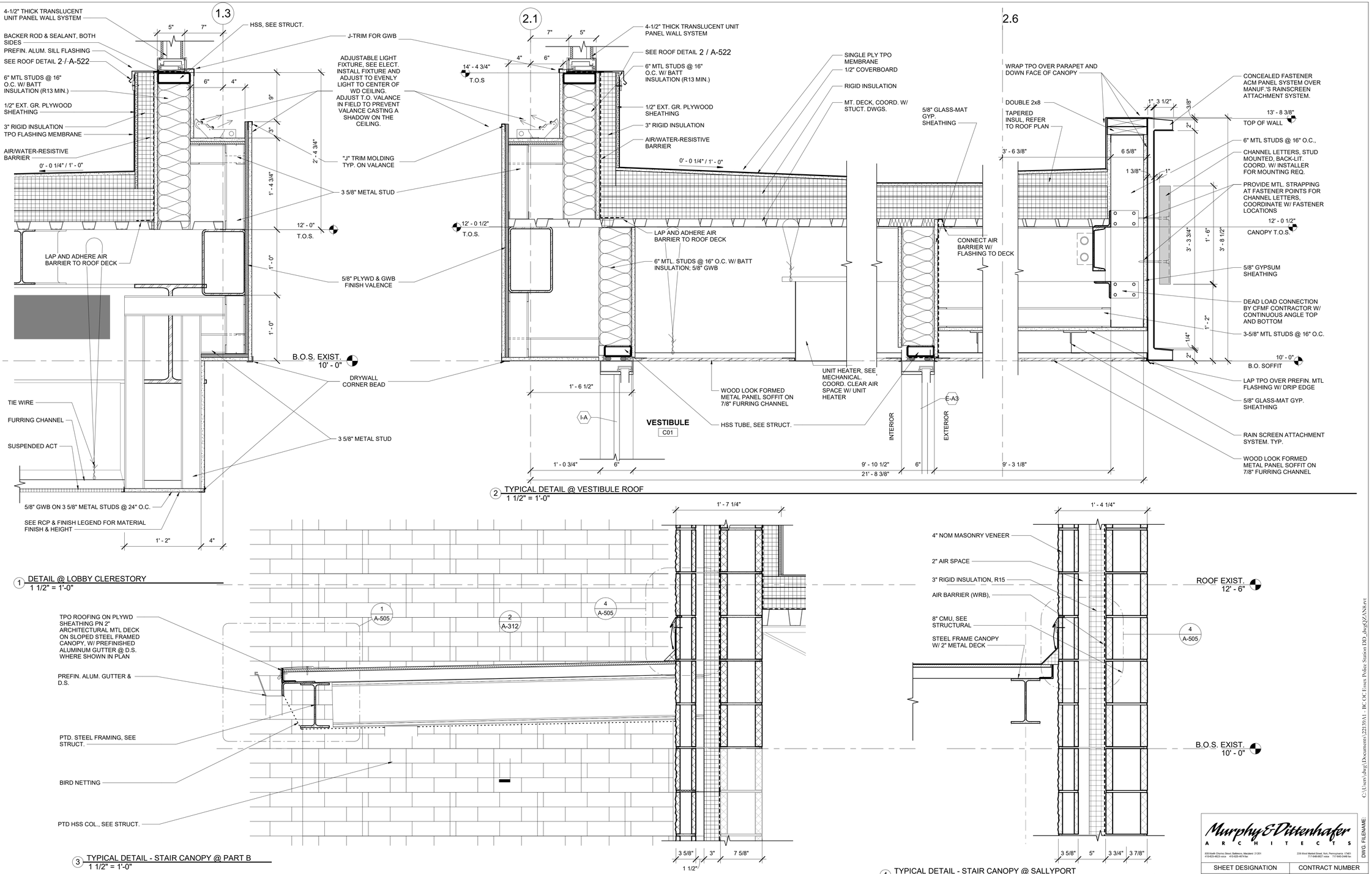
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3448 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-503	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 137 OF 295
	DRAWING NUMBER
	2025-1028
	FILE NO.: 8 REV: 0000



2 TYPICAL DETAIL @ VESTIBULE ROOF
1 1/2" = 1'-0"

1 DETAIL @ LOBBY CLERESTORY
1 1/2" = 1'-0"

4 TYPICAL DETAIL - STAIR CANOPY @ SALLYPORT
1 1/2" = 1'-0"

3 TYPICAL DETAIL - STAIR CANOPY @ PART B
1 1/2" = 1'-0"

C:\Users\dhay\Documents\2213931 - BC OC Essex Police Station DD_dhayQZANS8.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A RAMSAY ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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	
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1 1/2" = 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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - CANOPIES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

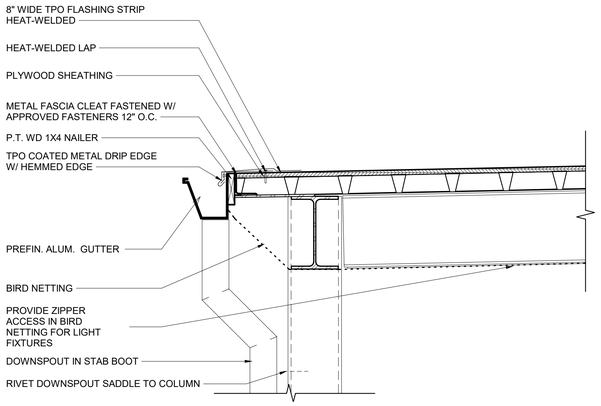
Murphy & Dittenhafer ARCHITECTS
809 Kieffi Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4574 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-504	25022 PP0

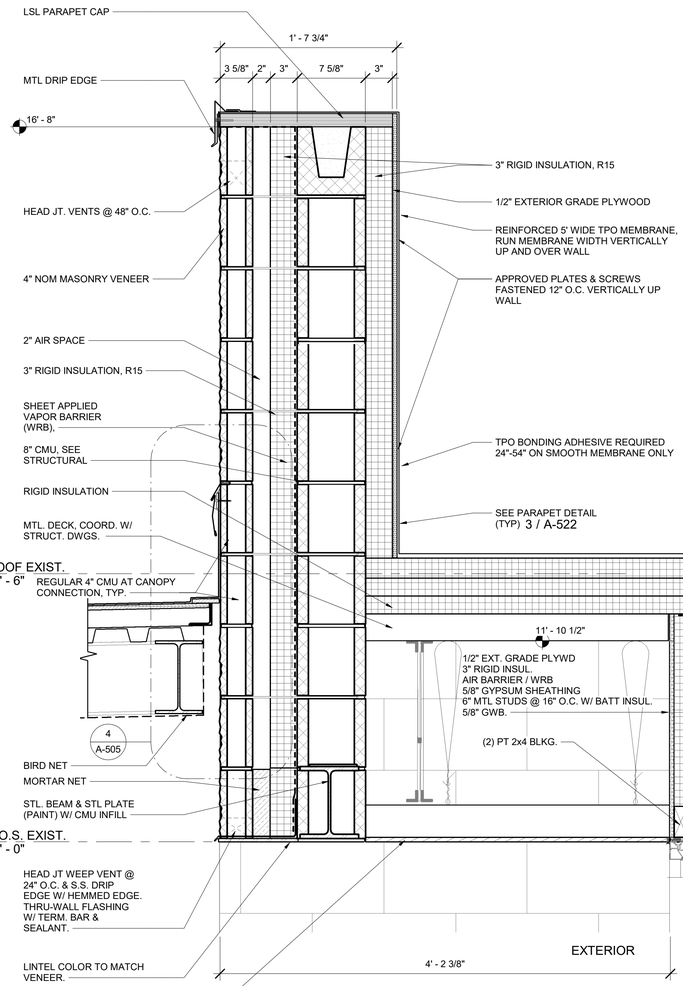
BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER
PROJ-10000636
SHEET 138 OF 295
DRAWING NUMBER
2025-1029
FILE NO.: 8 REV: 03/22

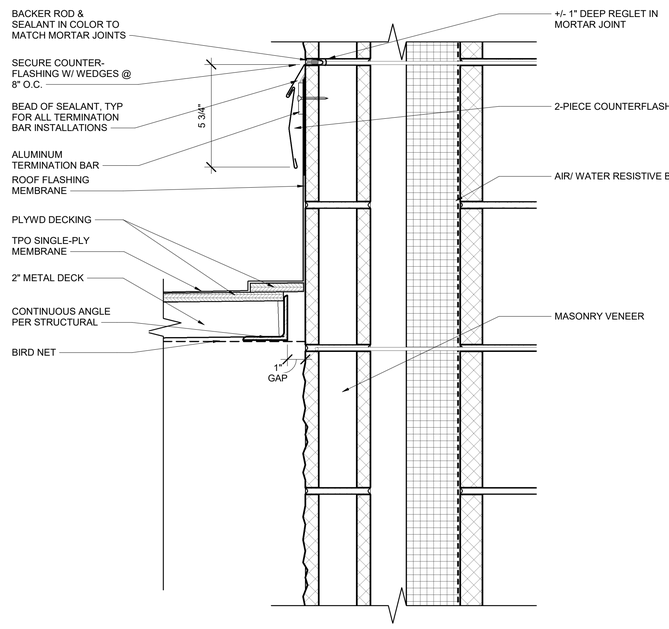
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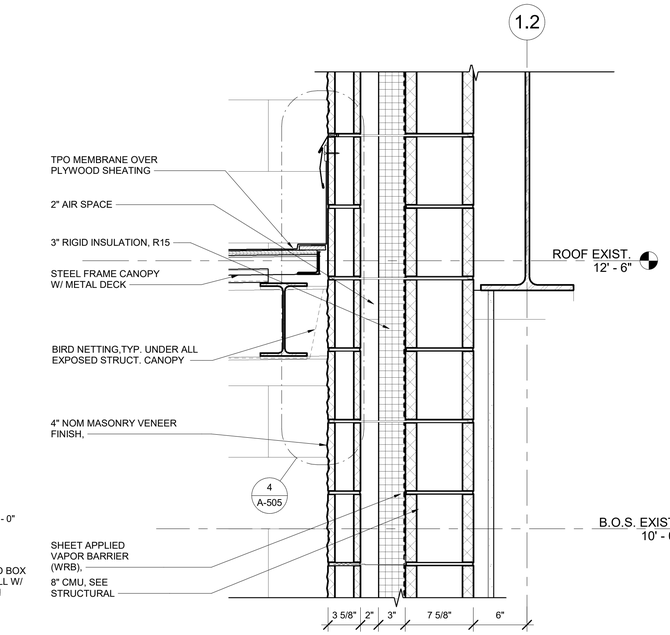
1 TYPICAL GUTTER WITH COATED METAL EDGE
1 1/2" = 1'-0"



2 SECTION DETAIL - PARAPET & CANOPY @ PART A
1 1/2" = 1'-0"



4 TYPICAL CANOPY FLASHING DETAIL
3" = 1'-0"



3 TYPICAL CANOPY DETAIL
1 1/2" = 1'-0"

C:\Users\dwg\Documents\22215011_BC OC Essex Police Station DD_dwgQZANK.rvt

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4914 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3486 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-505	25022 PP0

JOB ORDER NUMBER: PROJ-10000636

SHEET 139 OF 295

DRAWING NUMBER: 2025-1030

FILE NO.: 8 REV: 0000

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE: JULY 14, 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

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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - CANOPIES

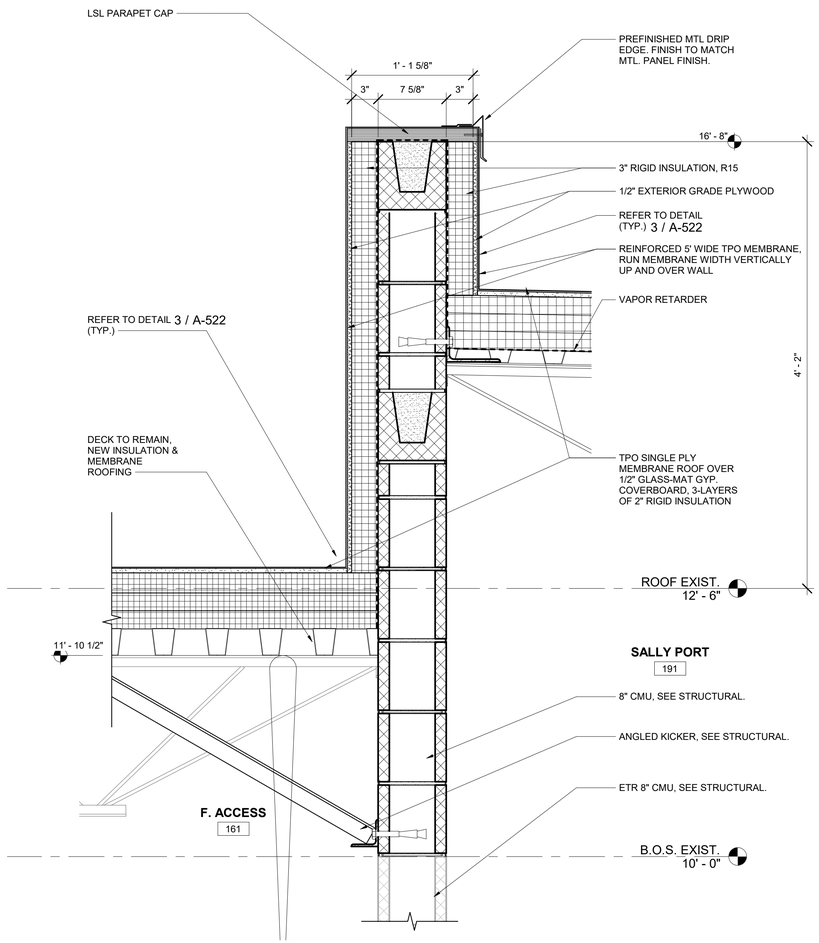
RENOVATION & ADDITION

SUBDIVISION: ESSEX

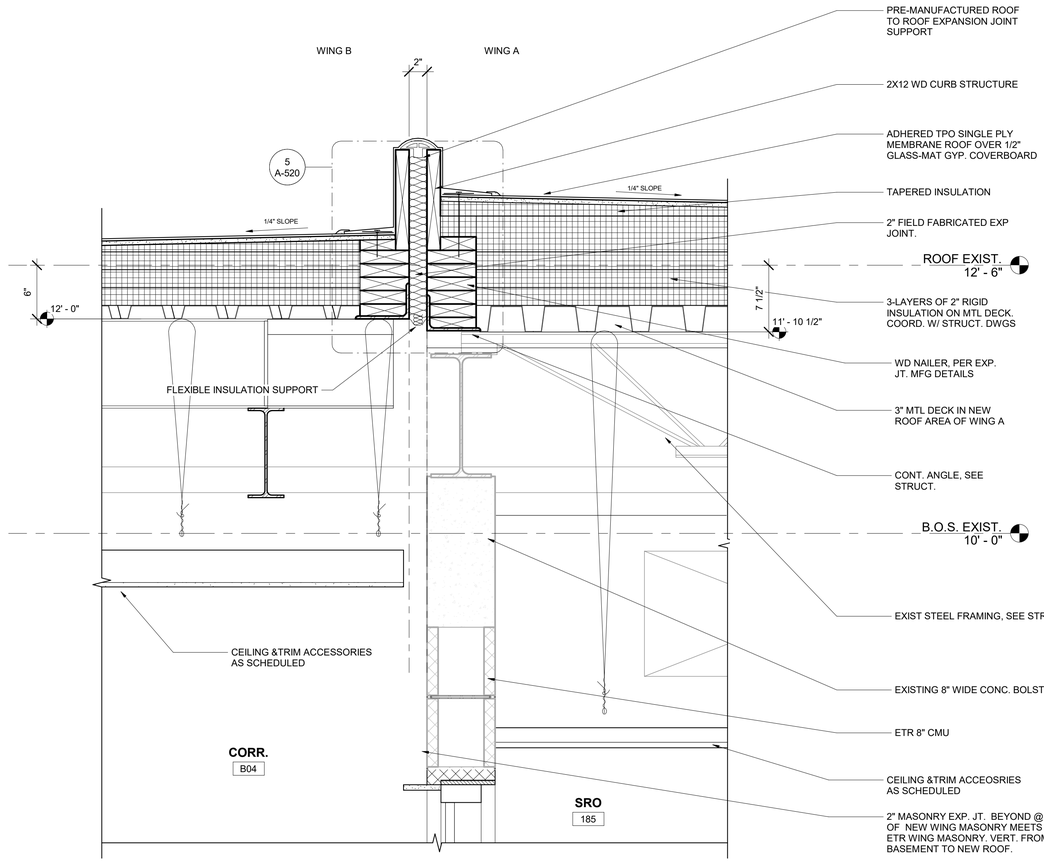
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



1 DETAIL - PARAPET @ SALLY PORT
1 1/2" = 1'-0"



3 TYPICAL DETAIL AT EXISTING ROOF AND NEW ROOF CONNECTION
1 1/2" = 1'-0"

C:\Users\dwg\Documents\223 59\51 - BC OC Essex Police Station DD_dwgQZ1N8.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS

600 North Charles Street, Baltimore, Maryland 21201 410-625-4622 Voice 410-625-4674 fax

228 West Market Street, York, Pennsylvania 17401 717-848-6627 Voice 717-840-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR SECTION DETAILS - ROOF ELEVATOR/ STAIR

RENOVATION & ADDITION

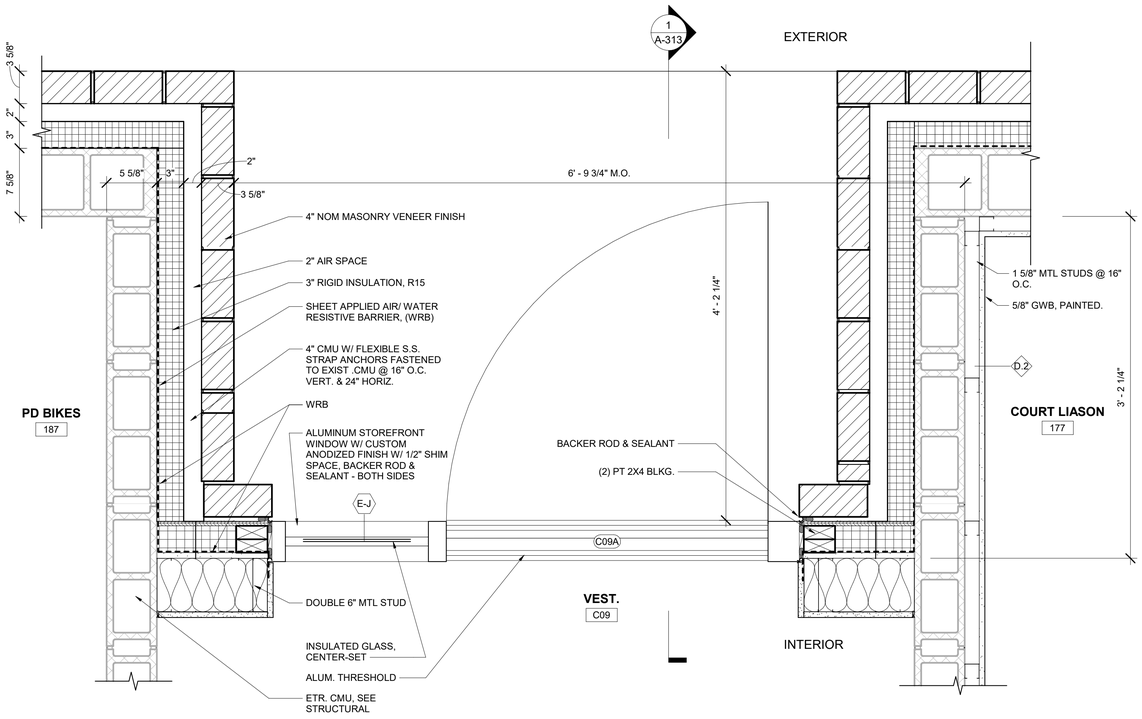
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

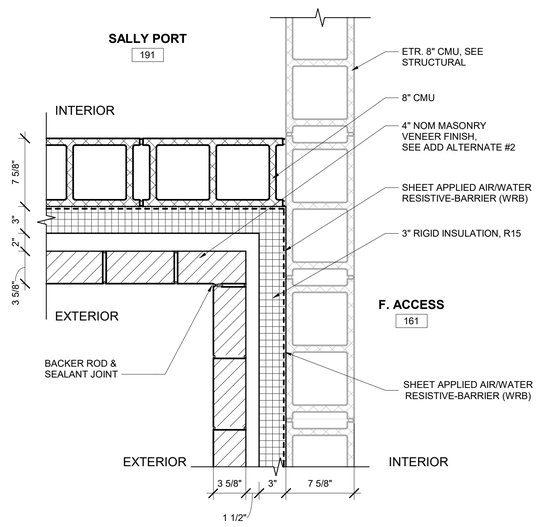
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

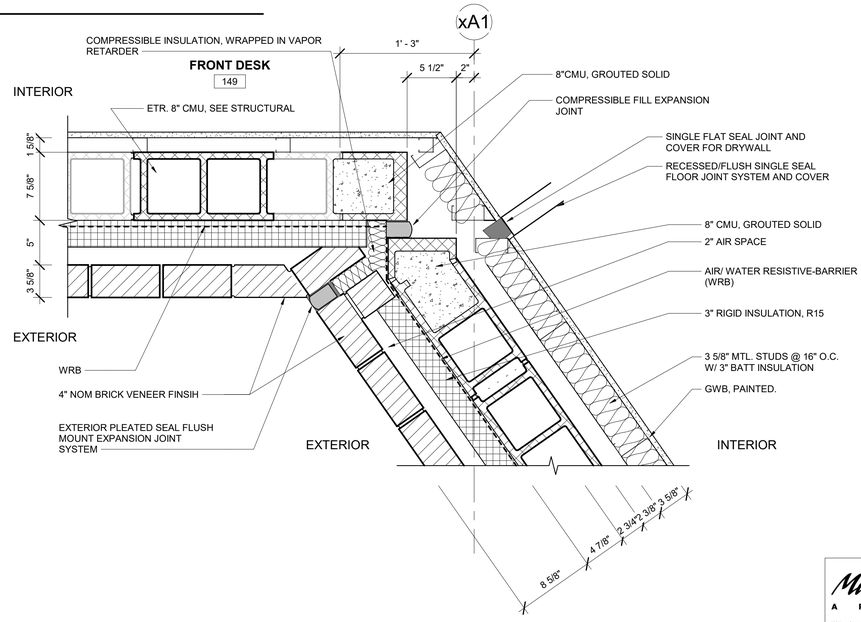
SHEET DESIGNATION	CONTRACT NUMBER
A-506	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 140 OF 295	DRAWING NUMBER 2025-1031
FILE NO.: 8	REV. 03/00



3 PLAN DETAIL - VESTIBULE @ EXSTING CMU WALL & NEW ENVELOPE
1 1/2" = 1'-0"



5 PLAN DETAIL - F. ACCESS @ EXISTING CMU WALL & NEW ENVELOPE
1 1/2" = 1'-0"



7 PLAN DETAIL @ FRONT DESK @ EXISTING CMU WALL & NEW ENVELOPE
1 1/2" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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 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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - 1ST FLR - PART A

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

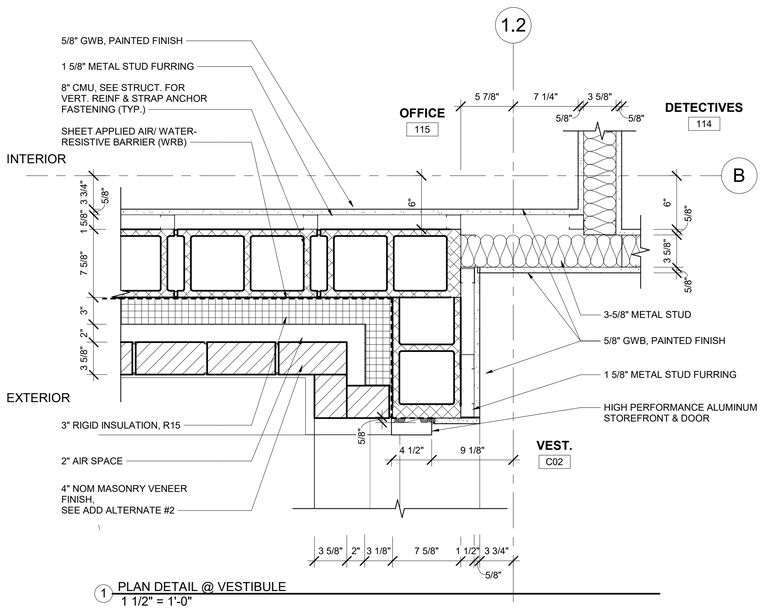
Murphy & Dittenhafer ARCHITECTS

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

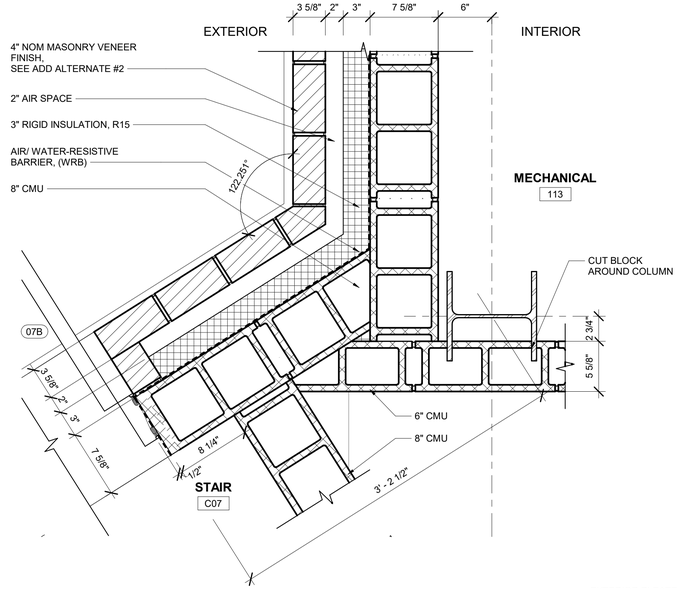
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-507	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 141 OF 295
	DRAWING NUMBER
	2025-1032
	FILE NO.: 8 REV. 10/22

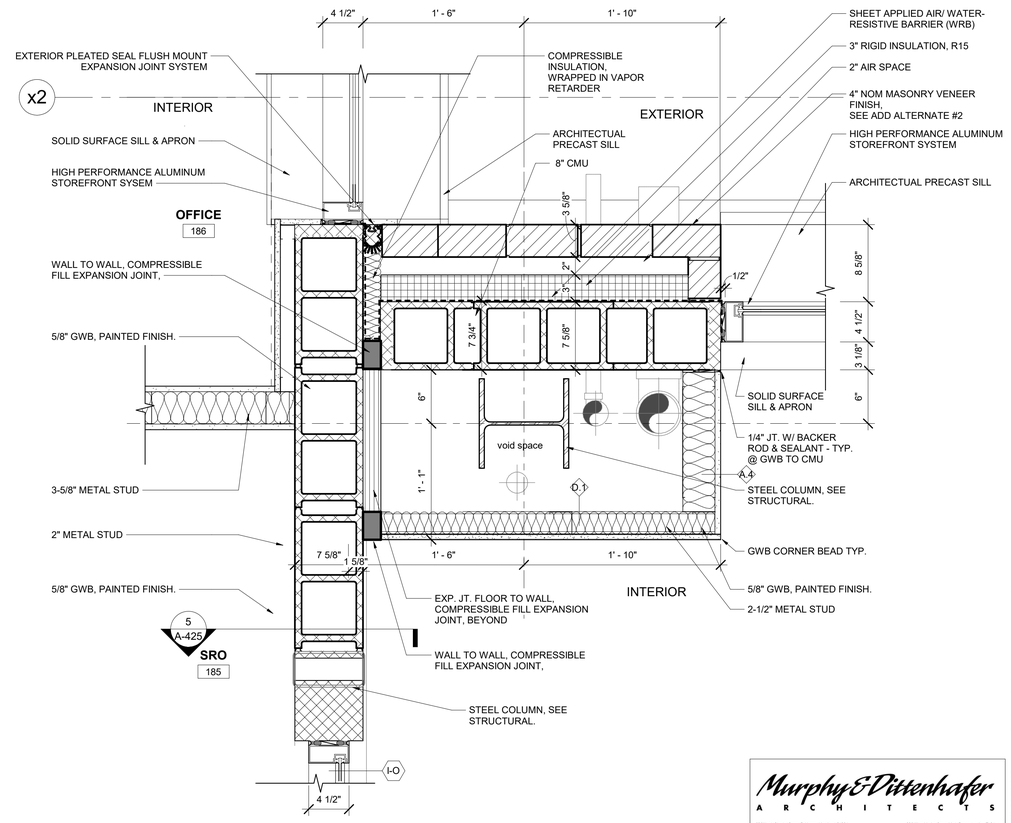
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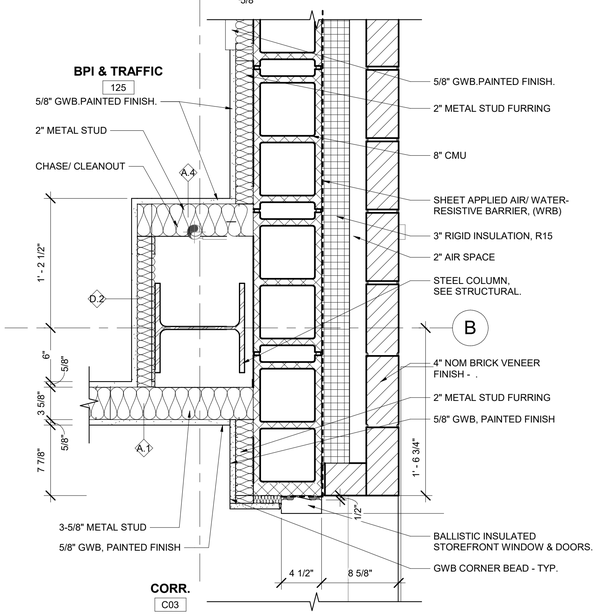
1 PLAN DETAIL @ VESTIBULE
1 1/2" = 1'-0"



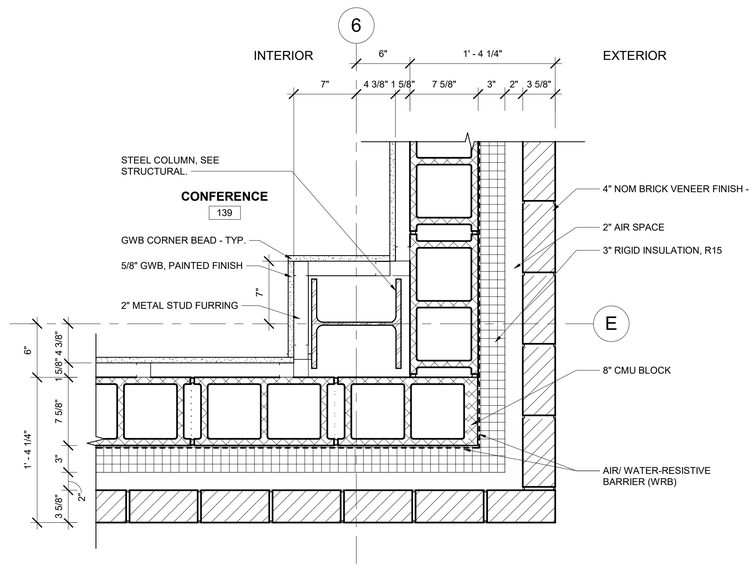
2 PLAN DETAIL - STAIR WELL & MECHANICAL
1 1/2" = 1'-0"



5 PLAN DETAIL @ OFFICE & SRO EXISTING CMU WALL WITH NEW ENVELOPE @ OPENINGS
1 1/2" = 1'-0"



3 PLAN DETAIL @ COOR. & BPI & TRAFFIC
1 1/2" = 1'-0"



4 TYPICAL MASONRY CORNER DETAIL @ PART B
1 1/2" = 1'-0"

C:\Users\dhay\Documents\3221593A1 - BC OC Essex Police Station DD_dhayQZA1N8.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: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - 1ST FLR - PART B

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

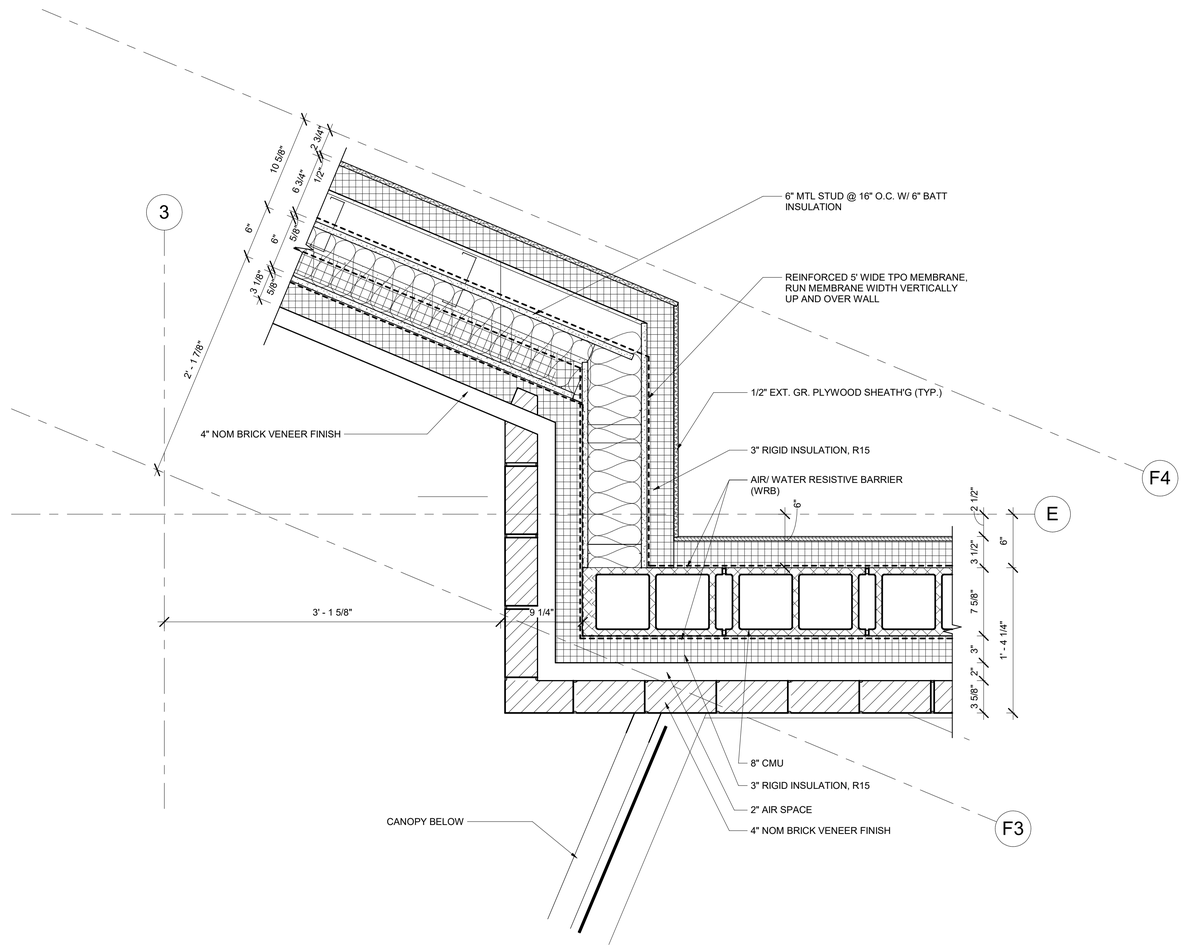
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 Wood Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3486 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-508	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 142 OF 295
	DRAWING NUMBER
	2025-1033
	FILE NO.: 8 REV: 0000



1 PLAN DETAIL - ROOF - PART B PARAPET @ VESTIBULE CANOPY
1 1/2" = 1'-0"

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DWG FILENAME:

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
717-848-8827 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-509	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 143 OF 295
	DRAWING NUMBER
	2025-1034
	FILE NO.: 8 REV. 03/22

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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

BY:
DATE:

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

AS-BUILT / REVISION	BY	DATE

P.W.A. NO.
R.O.W NO.
CONTRACT COMPLETION BOX

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE26, 8NE29

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

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - ROOF

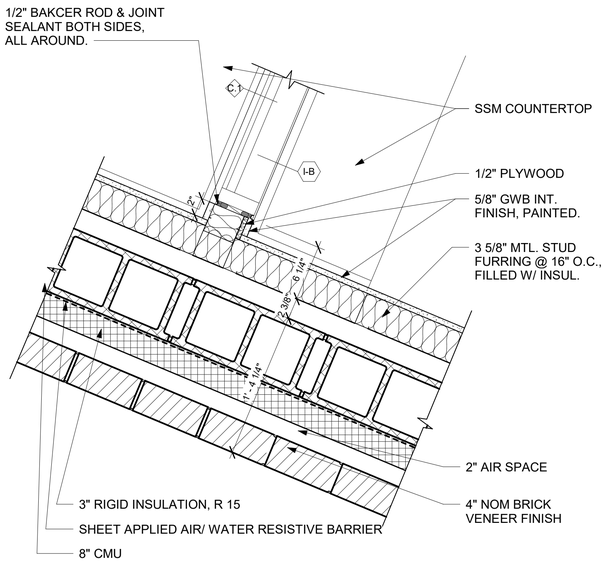
RENOVATION & ADDITION

SUBDIVISION: ESSEX

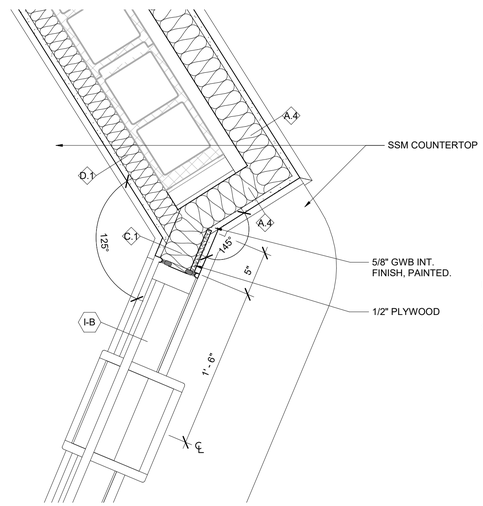
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

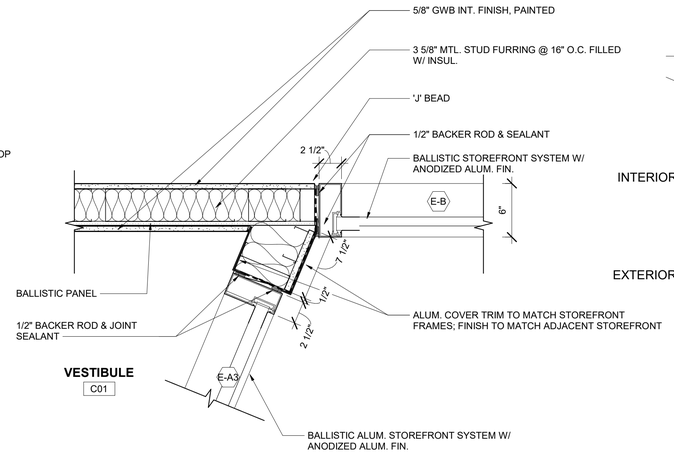
BALTIMORE COUNTY MARYLAND



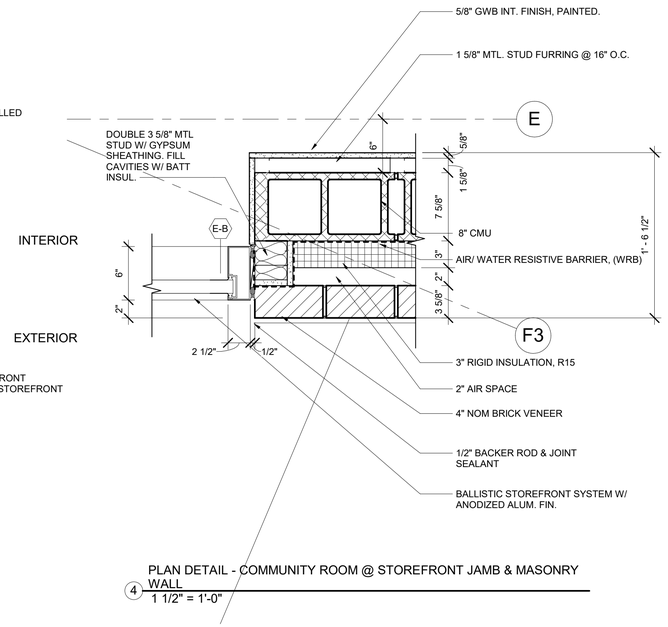
1 FIRST FLOOR - ENLARGED PLAN PART B - RECEPTION WINDOW JAMB - SPEAKER PORT SIDE
1 1/2" = 1'-0"



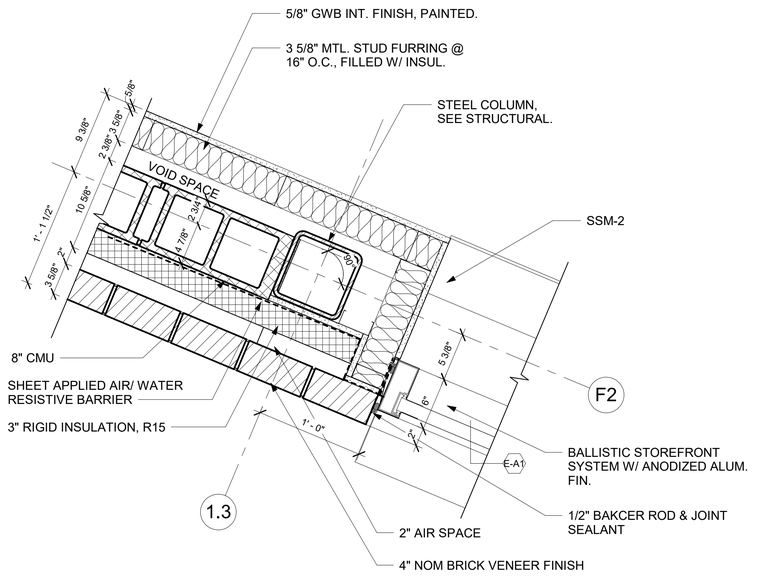
2 FIRST FLOOR - ENLARGED PLAN PART B - RECEPTION WINDOW JAMB - DEALING TRAY SIDE
1 1/2" = 1'-0"



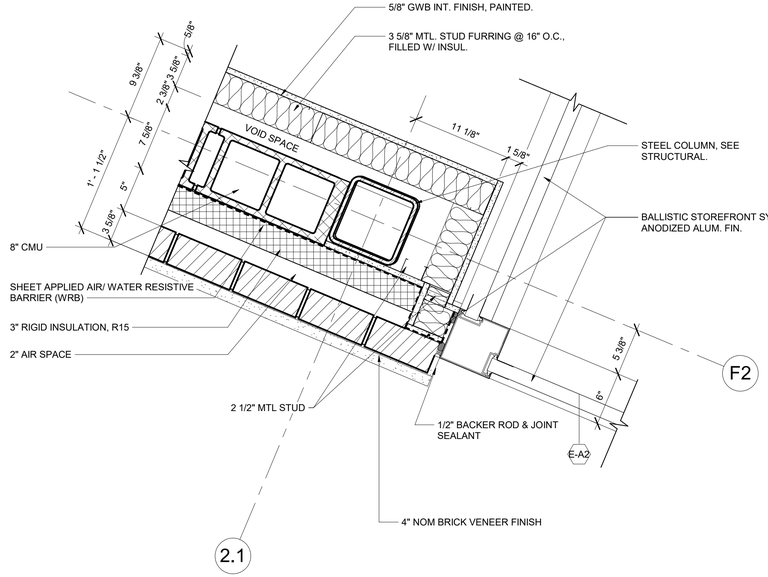
3 PLAN DETAIL - VESTIBULE CORNER @ COMMUNITY ROOM
1 1/2" = 1'-0"



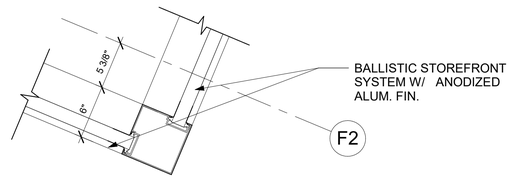
4 PLAN DETAIL - COMMUNITY ROOM @ STOREFRONT JAMB & MASONRY WALL
1 1/2" = 1'-0"



5 PLAN DETAIL - LOBBY @ STOREFRONT JAMB & MASORNRY WALL
1 1/2" = 1'-0"



6 PLAN DETAIL - STOREFRONT JAMBS @ VESTIBULE & LOBBY
1 1/2" = 1'-0"



7 PLAN DETAIL - VESTIBULE CORNER
1 1/2" = 1'-0"

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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
BY:
DATE:

DSGN 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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - VESTIBULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

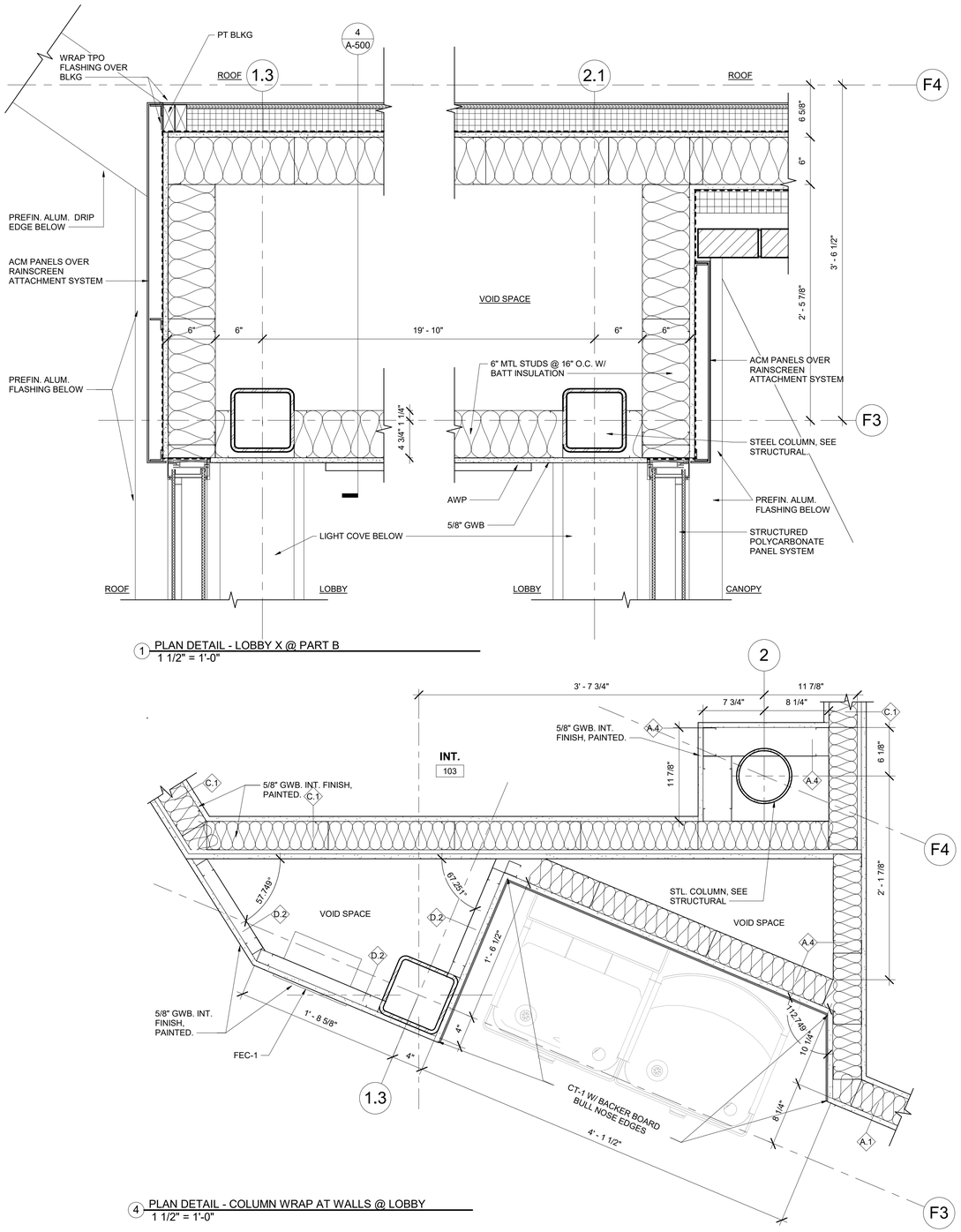
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

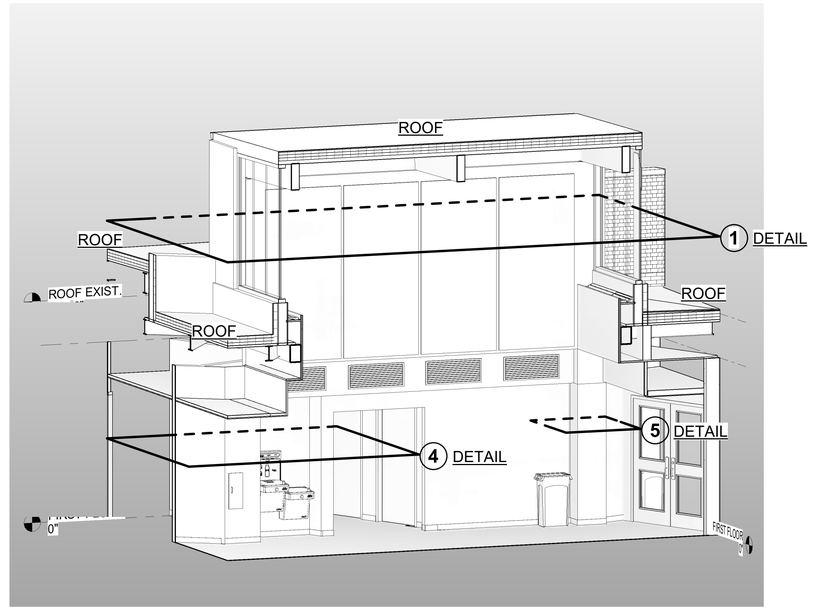
Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4622 voice · 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice · 717-840-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-510	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 144 OF 295
	DRAWING NUMBER
	2025-1035
	FILE NO.: 8 REV: 03/02

DWG FILENAME: C:\Users\dwg\Documents\223 59\51 - BC OC Essex Police Station DD_dwgQZAN8.rvt



1 PLAN DETAIL - LOBBY X @ PART B
1 1/2" = 1'-0"



6 VESTIBULE AXON - LOOKING NORTH

4 PLAN DETAIL - COLUMN WRAP AT WALLS @ LOBBY
1 1/2" = 1'-0"

5 PLAN DETAIL - COLUMN WRAP AT WALL @ LOBBY
1 1/2" = 1'-0"

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQZAN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD — 6607-A — FRANK ELWOOD DITTENHAFER II — STATE OF MARYLAND — 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - VESTIBULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

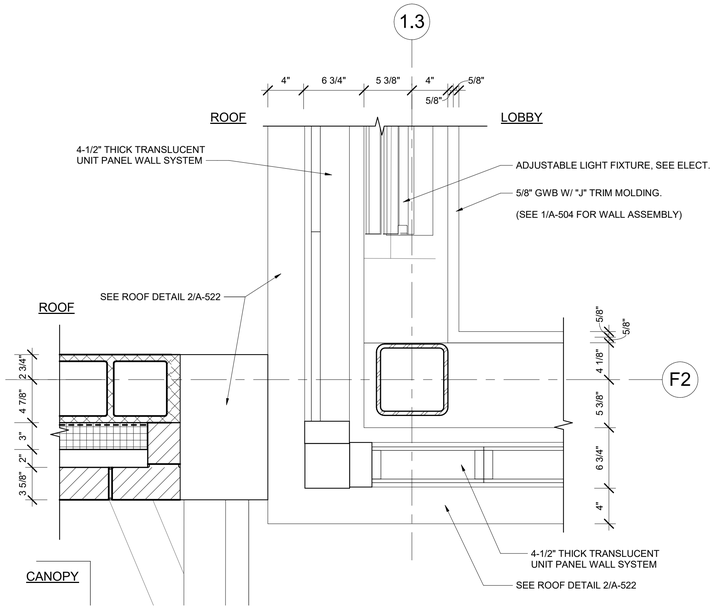
Murphy & Dittenhafer ARCHITECTS

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

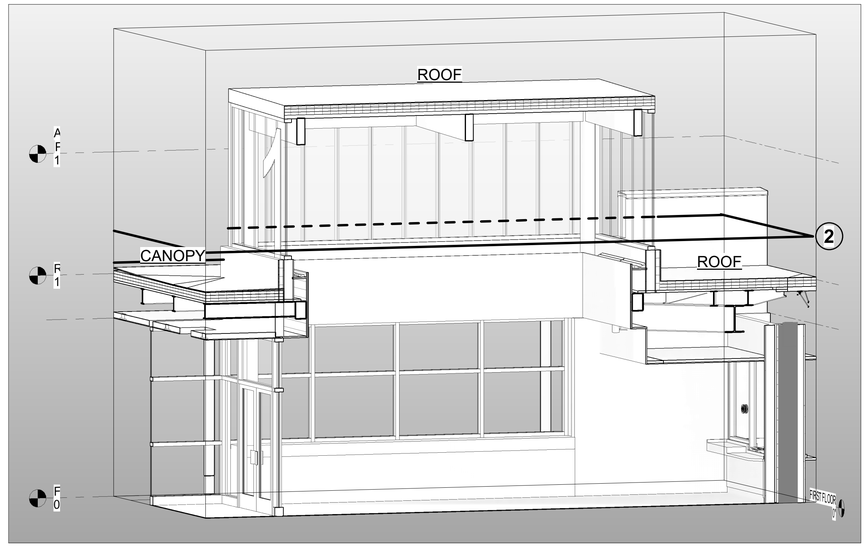
229 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-1446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-511	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEI145 OF 295
	DRAWING NUMBER
	2025-1036
	FILE NO.: 8 REV. 03/22



2 PLAN DETAIL - LOBBY @ ROOF
1 1/2" = 1'-0"



3 VESTIBULE AXON - LOOKING SOUTH

DETAIL

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DWG. FILENAME:

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 II STATE OF MARYLAND 7/14/2025	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.				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	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:	CHKD BY: RLM	DATE REVIEWED:										
DATE : JULY 14, 2025	DATE:												

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

PLAN DETAILS - VESTIBULE

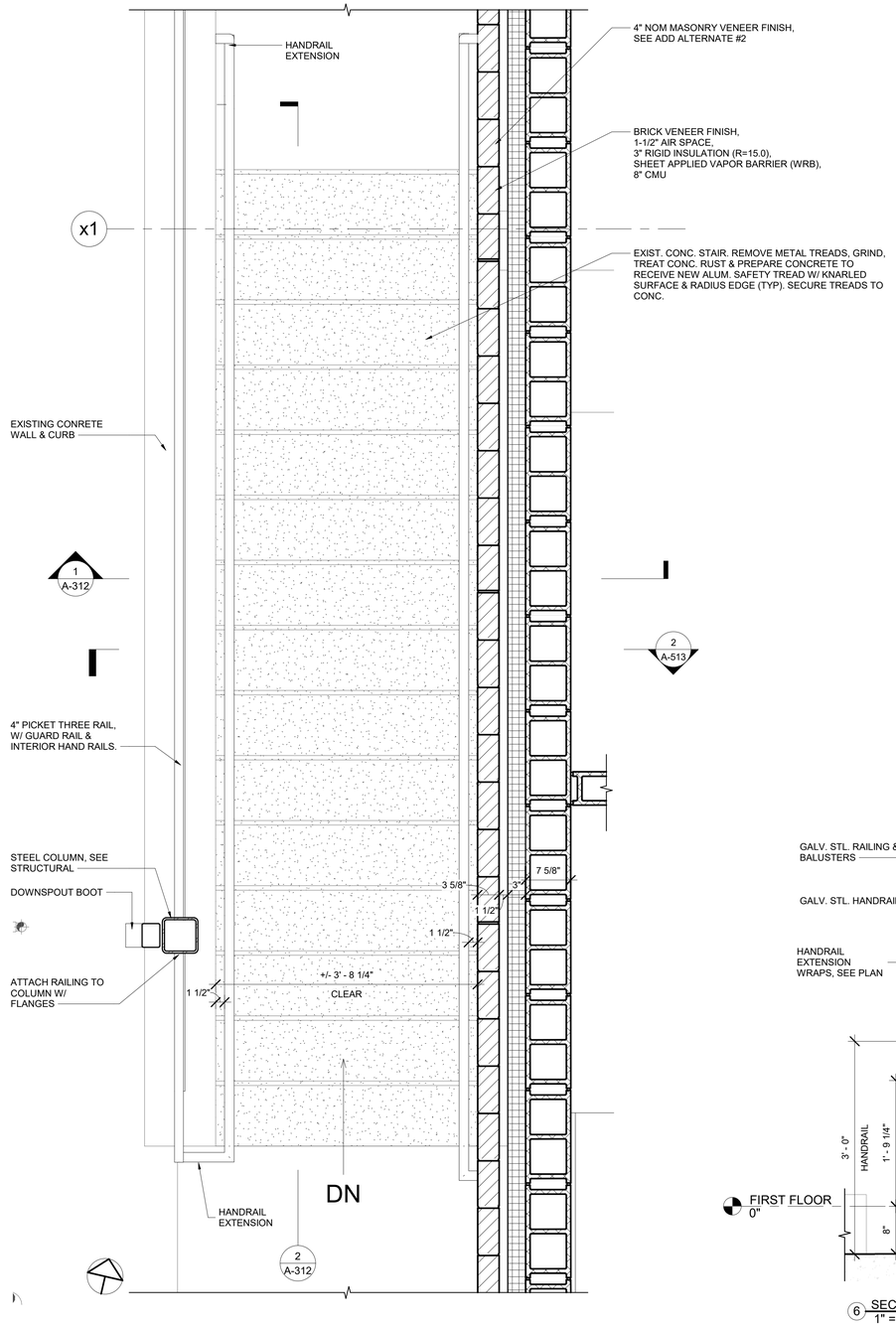
RENOVATION & ADDITION

SUBDIVISION: ESSEX

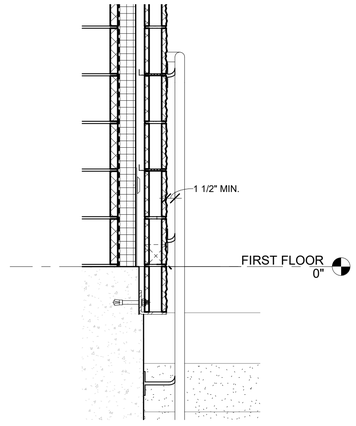
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

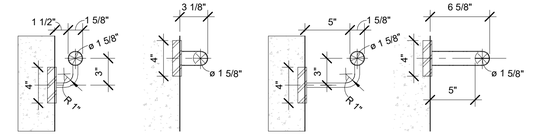
SHEET DESIGNATION	CONTRACT NUMBER
A-512	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 146 OF 295
	DRAWING NUMBER
	2025-1037
	FILE NO.: 8 REV. 03/22



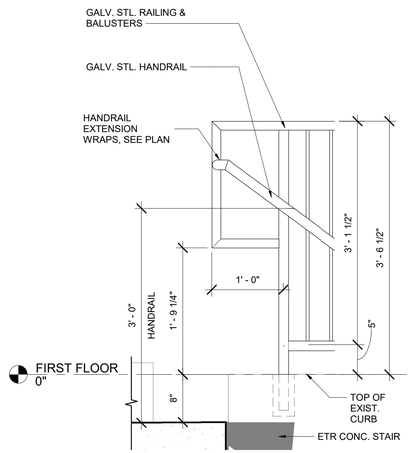
1 PARTIAL FLOOR PLAN - PART A - EXTERIOR STAIR
1" = 1'-0"



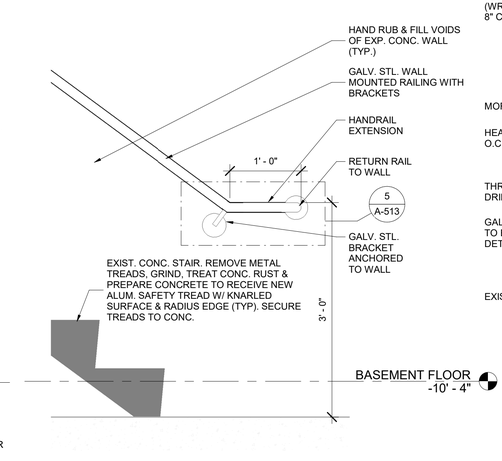
2 SECTION @ STAIR RAILING MOUNTING CHANGE
1" = 1'-0"



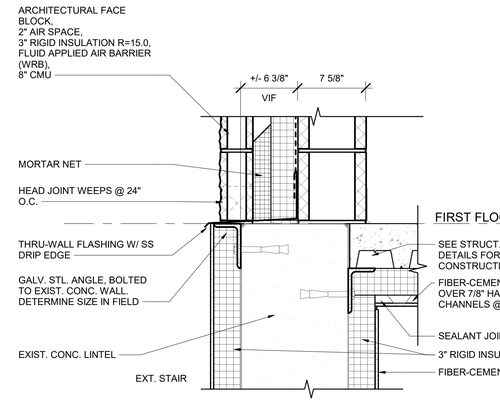
5 TYPICAL RAILING MOUNT DETAIL
1 1/2" = 1'-0"



6 SECTION @ STAIR RAILING 2
1" = 1'-0"



3 SECTION @ CANOPY EXISTING STAIRWELL
1" = 1'-0"



4 WALL SECTION @ STAIRWELL
1 1/2" = 1'-0"

C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQ2AN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE
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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:	CHKD BY: RLM	DATE REVIEWED:		
DATE:				

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT	
APPROVED BY:	PROPERTY MANAGER
DATE:	

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

PLAN & SECTION DETAILS - EXTERIOR STAIR

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

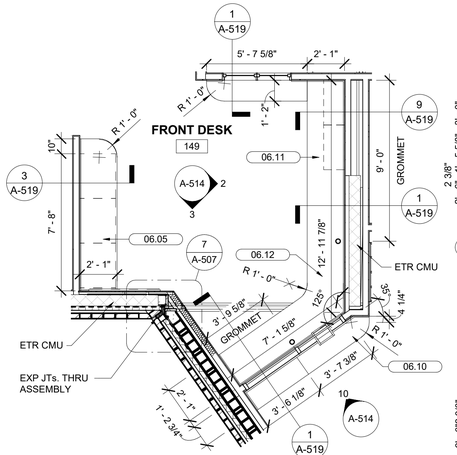
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-2446 fax

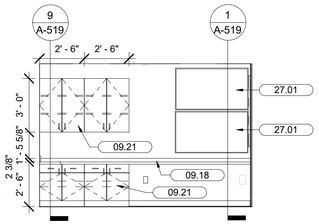
DWG. FILENAME:

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A-513	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 147 OF 295
	DRAWING NUMBER
	2025-1038
	FILE NO.: 8

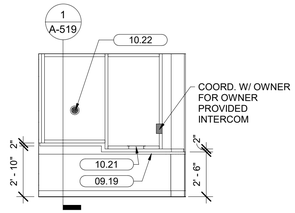
BALTIMORE COUNTY MARYLAND



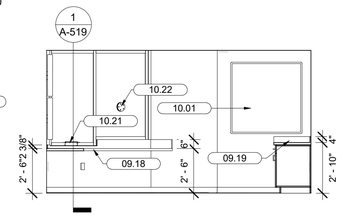
1 CASEWORK PLAN - FRONT DESK 149
1/4" = 1'-0"



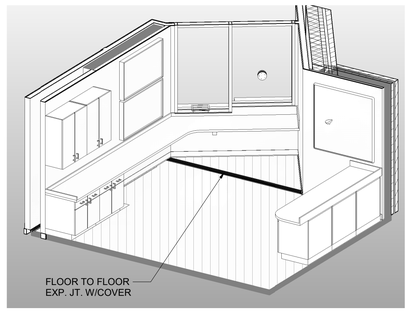
2 FRONT DESK 149 - E - CASEWORK
1/4" = 1'-0"



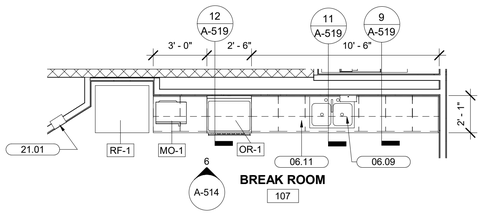
10 FRONT DESK LOBBY SIDE
1/4" = 1'-0"



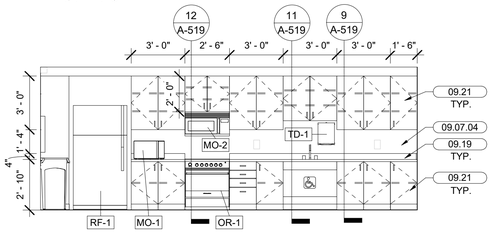
3 FRONT DESK 149 - S - CASEWORK
1/4" = 1'-0"



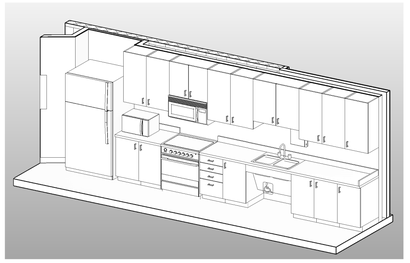
4 FRONT DESK - AXON



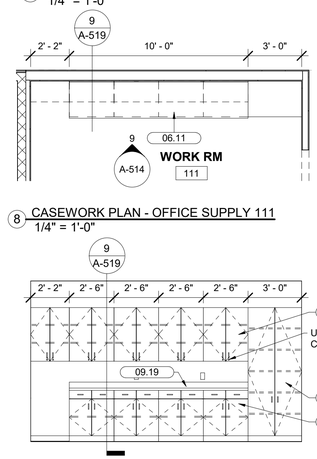
5 CASEWORK PLAN - BREAK ROOM 107
1/4" = 1'-0"



6 BREAK ROOM 107 - N - CASEWORK
1/4" = 1'-0"

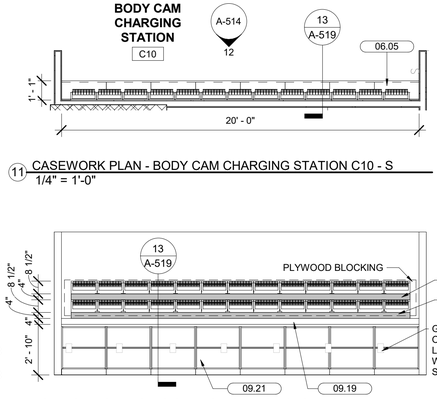


7 BREAK ROOM - AXON

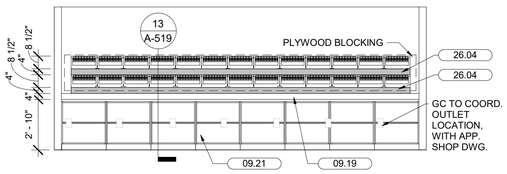


8 CASEWORK PLAN - OFFICE SUPPLY 111
1/4" = 1'-0"

9 WORK RM 111 - N - CASEWORK
1/4" = 1'-0"

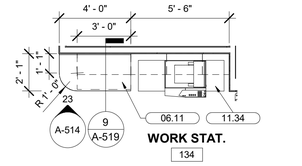


11 CASEWORK PLAN - BODY CAM CHARGING STATION C10 - S
1/4" = 1'-0"

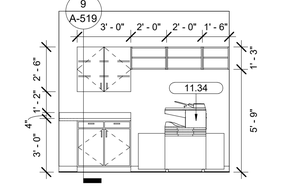


12 BODY CAM CHARGING STATION C10 - S - CASEWORK
1/4" = 1'-0"

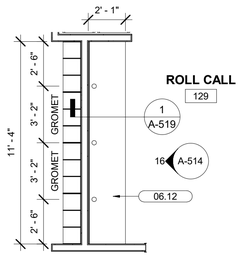
13 BODY CAM CHARGING STATION - AXON



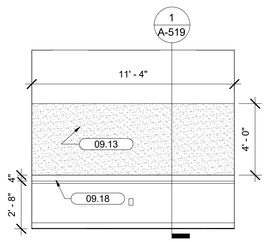
15 CASEWORK PLAN - CAPTAIN'S SUITE RM 134
1/4" = 1'-0"



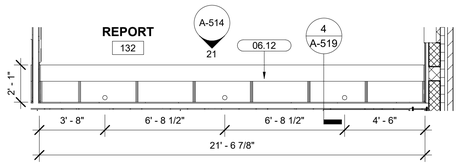
23 CAPTAIN'S SUITE 134 - N - CASEWORK
1/4" = 1'-0"



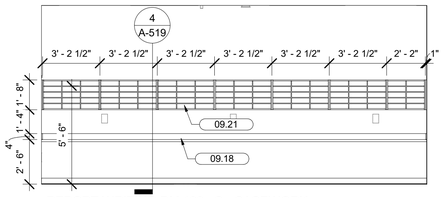
14 CASEWORK PLAN - ROLL CALL & MAIL 129
1/4" = 1'-0"



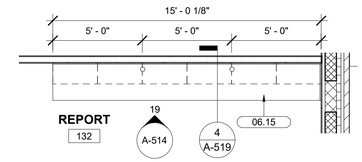
16 ROLL CALL & MAIL RM 129 - W - CASEWORK
1/4" = 1'-0"



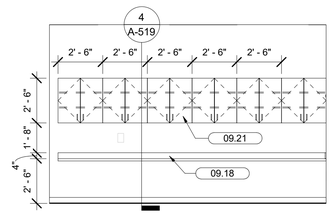
18 CASEWORK PLAN - REPORT WRITING RM 132 - A
1/4" = 1'-0"



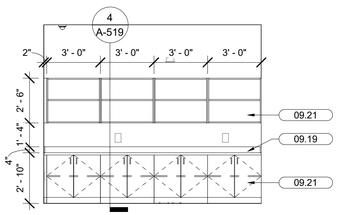
21 REPORT WRITING RM 132 - S - CASEWORK
1/4" = 1'-0"



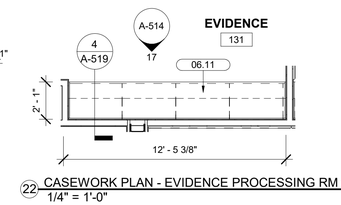
20 CASEWORK PLAN - REPORT WRITING RM 132 - B
1/4" = 1'-0"



19 REPORT WRITING RM 132 - N - CASEWORK
1/4" = 1'-0"



17 EVIDENCE PROCESSING RM 131 - S - CASEWORK
1/4" = 1'-0"



22 CASEWORK PLAN - EVIDENCE PROCESSING RM 131
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
06.05	SSM C. TOP w/ BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.09	SSM C. TOP w/ SINK. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.10	SSM C. TOP. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.11	SSM C. TOP w/ BASE AND WALL CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.12	SSM C. TOP w/ GROMMETS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.15	SSM C. TOP w/ WALL CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
09.07.04	CT-3
09.13	AWP-1, ACOUSTICAL WALL PANEL, 1" TECTUM DIRECT.ATTACHED.
09.18	SSM-1 w/ GROMMET.
09.19	SSM-1.
09.21	PLAM-1.
10.01	ALUM. FRAMED TACKBOARD. REFER TO ELEVATIONS FOR DETAILS.
10.21	SECURE RECESSED DEAL TRAY IN COUNTER.
10.22	SECURE THROUGH GLASS SPEAKER PORT.
11.34	FLOOR PRINTER, NIC.
21.01	FIRE EXTINGUISHER CABINET, SEE CODE PLAN.
26.04	ELECTRIC & DATA WIREMOLD, SEE ELECTRICAL & TA.
27.01	CCTV MONITOR, SEE TA DRAWINGS.

C:\Users\dwg\Documents\2213931-BC OC Essex Police Station DD_dwgQANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 2025

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P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28 7NE29 8NE28 8NE29
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

ESSEX POLICE PRECINCT - 11

CASEWORK PLANS & ELEVATIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

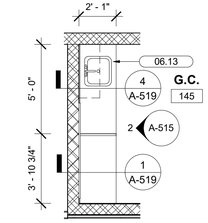
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Murphy & Dittenhafer ARCHITECTS
309 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-6623 voice 717-840-2446 fax

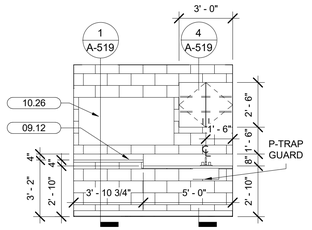
DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-514	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 148 OF 295
	DRAWING NUMBER
	2025-1039
	FILE NO.: 8 REV: 0922

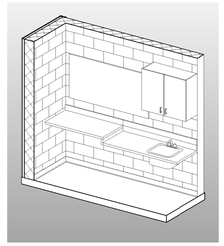
BALTIMORE COUNTY MARYLAND



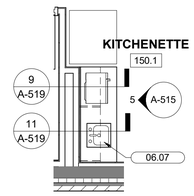
1 CASEWORK PLAN - G.C. RM 145
1/4" = 1'-0"



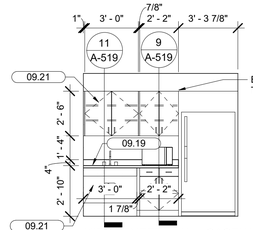
2 GUN CLEANING RM 145 - W - CASEWORK
1/4" = 1'-0"



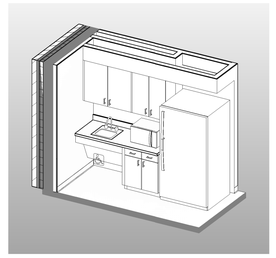
3 GUN CLEANING - AXON



4 CASEWORK PLAN - KITCHENETTE
1/4" = 1'-0"

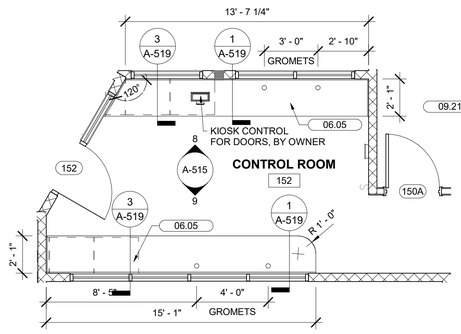


5 KITCHENETTE - W - CASEWORK
1/4" = 1'-0"

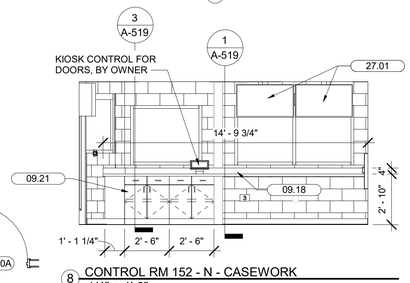


6 KITCHENETTE - AXON

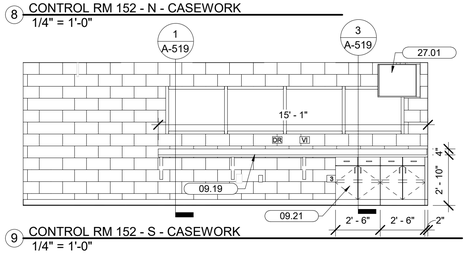
KEYNOTE LEGEND	
TAG	DESCRIPTION
05.11	METAL BRACKET.
06.05	SSM C. TOP w/ BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.06	S.S. C. TOP w/ BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.07	SSM C. TOP w/ SINK, BASE CABS, UNDERCOUNTER FRIDGE, 30"X40" FRAMELESS MIRROR. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.08	S.S. C. TOP w/ SINK, BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.13	S.S. C. TOP w/ S.S. SINK, BASE AND WALL CABS, FIRE DISCHARGE CAB. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.14	S.S. C. TOP.
09.02	RIGID VINYL PHOTO WALL. PANEL.
09.12	SS-1.
09.18	SSM-1 w/ GROMMET.
09.19	SSM-1.
09.21	PLAM-1.
10.26	PEGBOARD, DIRECT ATTACHED.
12.06	FLOOR-MOUNTED DENTION STOOL W/CUFF BAR
12.08	FIXED IN PLACE BENCH w/ CUFF BAR.
27.01	CCTV MONITOR, SEE TA DRAWINGS.



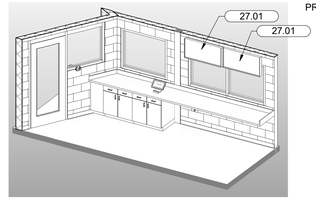
7 CASEWORK PLAN - CONTROL RM 152
1/4" = 1'-0"



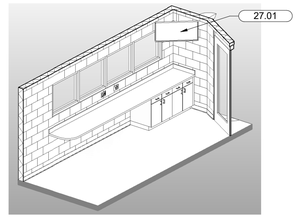
8 CONTROL RM 152 - N - CASEWORK
1/4" = 1'-0"



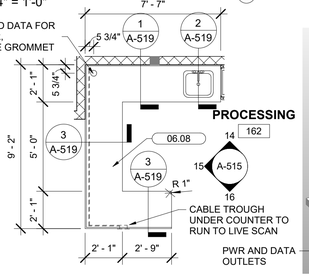
9 CONTROL RM 152 - S - CASEWORK
1/4" = 1'-0"



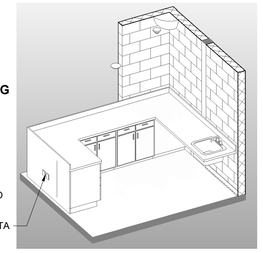
10 CONTROL - AXON B



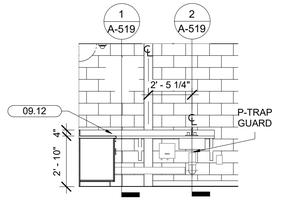
11 CONTROL - AXON A



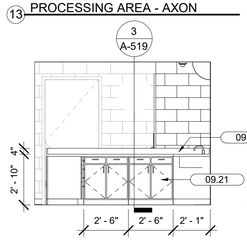
12 CASEWORK PLAN - PROC. AREA 162
1/4" = 1'-0"



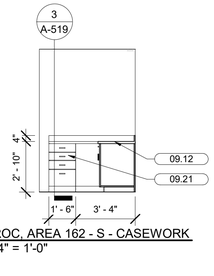
13 PROCESSING AREA - AXON



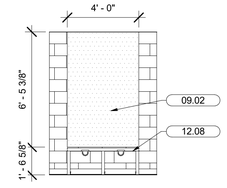
14 PROC. AREA 162 - N - CASEWORK
1/4" = 1'-0"



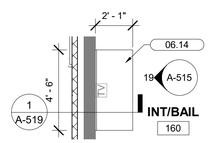
15 PROC. AREA 162 - W - CASEWORK
1/4" = 1'-0"



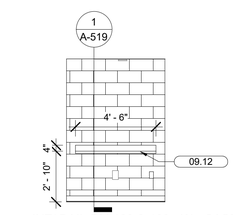
16 PROC. AREA 162 - S - CASEWORK
1/4" = 1'-0"



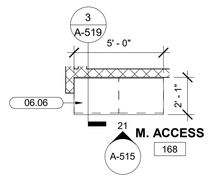
17 PROC. AREA 162 - E - VINYL WALL PANEL
1/4" = 1'-0"



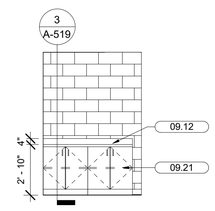
18 CASEWORK PLAN - INT/ BAIL RM 160 & 169
1/4" = 1'-0"



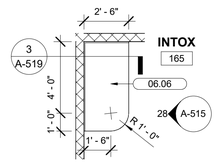
19 INT/ BAIL RM 160 & 169 - W - CASEWORK
1/4" = 1'-0"



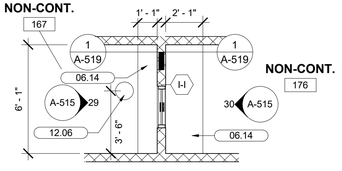
20 CASEWORK PLAN - M. ACCESS RM 168
1/4" = 1'-0"



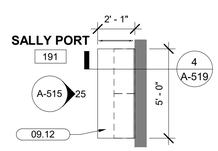
21 M. ACCESS RM 168 - N - CASEWORK
1/4" = 1'-0"



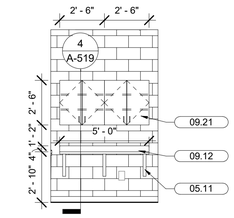
22 CASEWORK PLAN - INTOX 165
1/4" = 1'-0"



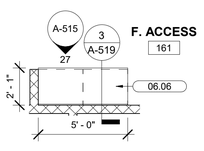
23 CASEWORK PLAN - NON-CONTACT. 167 & 176
1/4" = 1'-0"



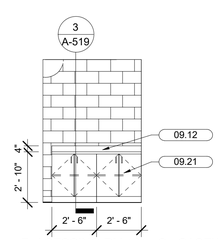
24 CASEWORK PLAN - SALLY PORT 191
1/4" = 1'-0"



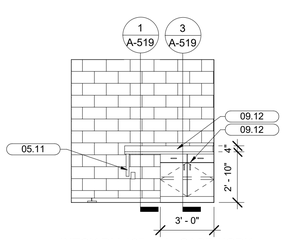
25 SALLY PORT 191 - E - CASEWORK
1/4" = 1'-0"



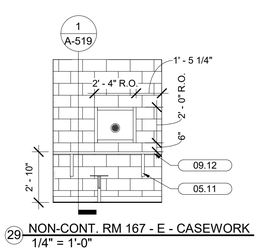
26 CASEWORK PLAN - F. ACCESS RM 161
1/4" = 1'-0"



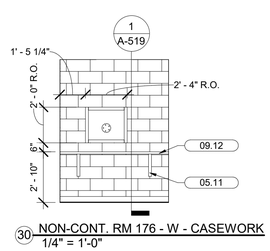
27 F. ACESSING RM 161 - S - CASEWORK
1/4" = 1'-0"



28 INTOX RM 165 - W - CASEWORK
1/4" = 1'-0"



29 NON-CONT. RM 167 - E - CASEWORK
1/4" = 1'-0"



30 NON-CONT. RM 176 - W - CASEWORK
1/4" = 1'-0"

C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station D3_dwgQZA1N8.rvt

Murphy & Dittenhafer ARCHITECTS
935 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2446 fax

DWG. FILENAME:

SEAL
ARCHITECTURAL REGISTRATION BOARD
6607-A
FRANK ELWOOD DITTENHAFER II
STATE OF MARYLAND
DATE : JULY 14, 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
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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

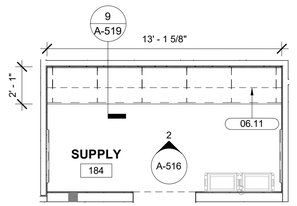
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
CASEWORK PLANS & ELEVATIONS
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

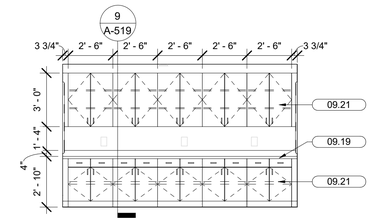
BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
A-515	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 149 OF 295	
DRAWING NUMBER	2025-1040
FILE NO.: 8	REV: 03/03

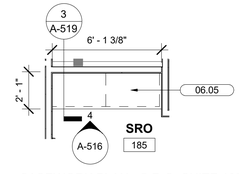
KEYNOTE LEGEND	
TAG	DESCRIPTION
06.05	SSM C. TOP w/ BASE CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.07	SSM C. TOP w/ SINK, BASE CABS, UNDERCOUNTER FRIDGE, 30"X40" FRAMELESS MIRROR. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
06.11	SSM C. TOP w/ BASE AND WALL CABS. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
09.19	SSM-1.
09.21	PLAM-1.



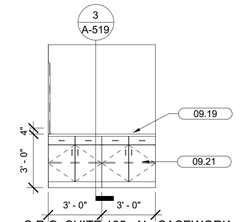
1 CASEWORK PLAN - OFFICE SUPPLY RM 184
1/4" = 1'-0"



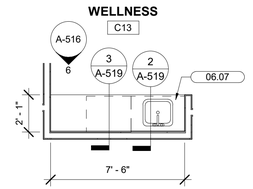
2 OFFICE SUPPLY RM 184 - N - CASEWORK
1/4" = 1'-0"



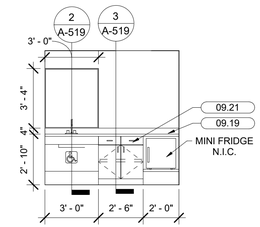
3 CASEWORK PLAN - S.R.O. SUITE 185
1/4" = 1'-0"



4 S.R.O. SUITE 185 - N - CASEWORK
1/4" = 1'-0"



5 CASEWORK PLAN - WELLNESS RM 006
1/4" = 1'-0"



6 WELLNESS RM 006 - S - CASEWORK
1/4" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER, II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE

PLAN SCALE: 1/4" = 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

ESSEX POLICE PRECINCT - 11

CASEWORK PLANS & ELEVATIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

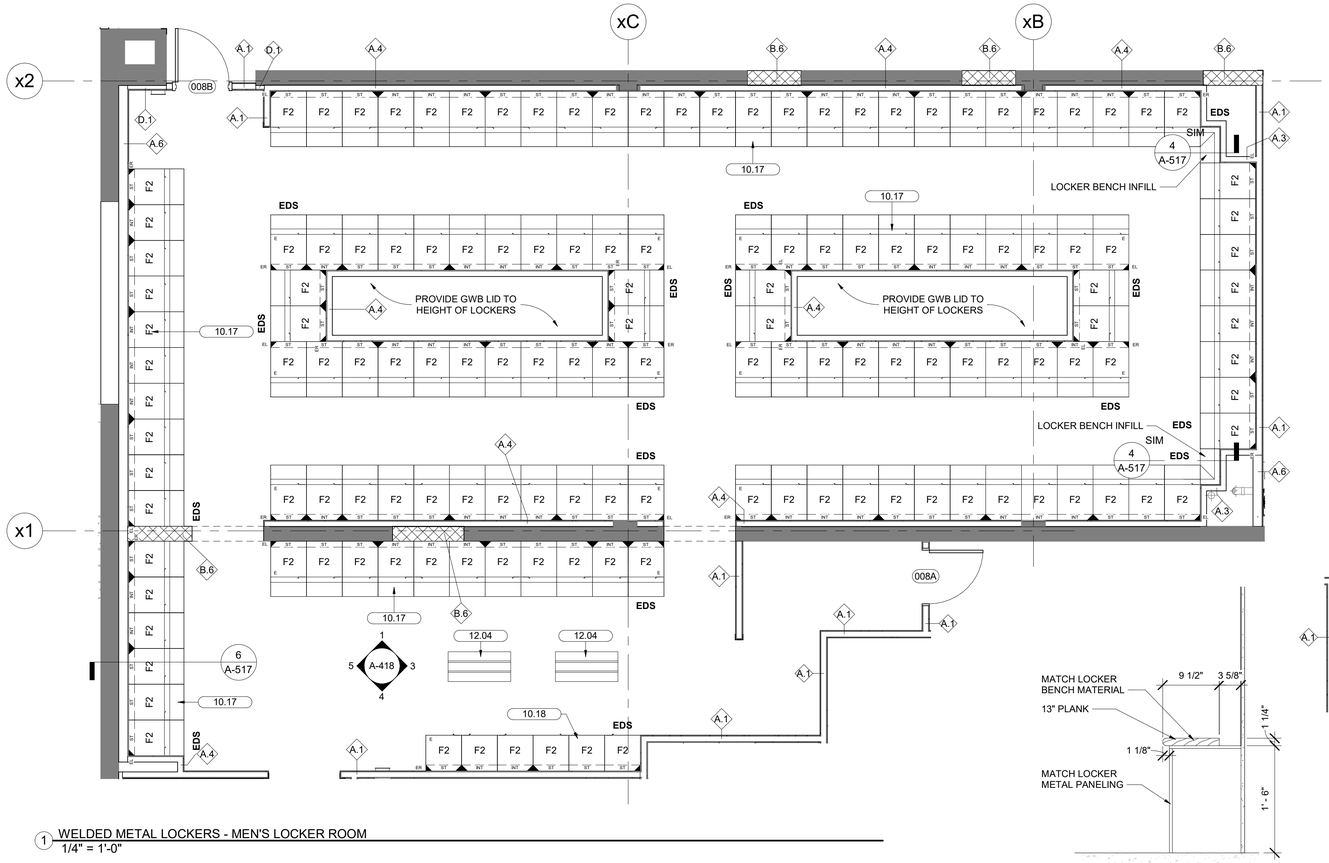
Murphy & Dittenhafer ARCHITECTS

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

228 West Market Street, York, Pennsylvania 17401
717-848-6627 voice 717-845-3446 fax

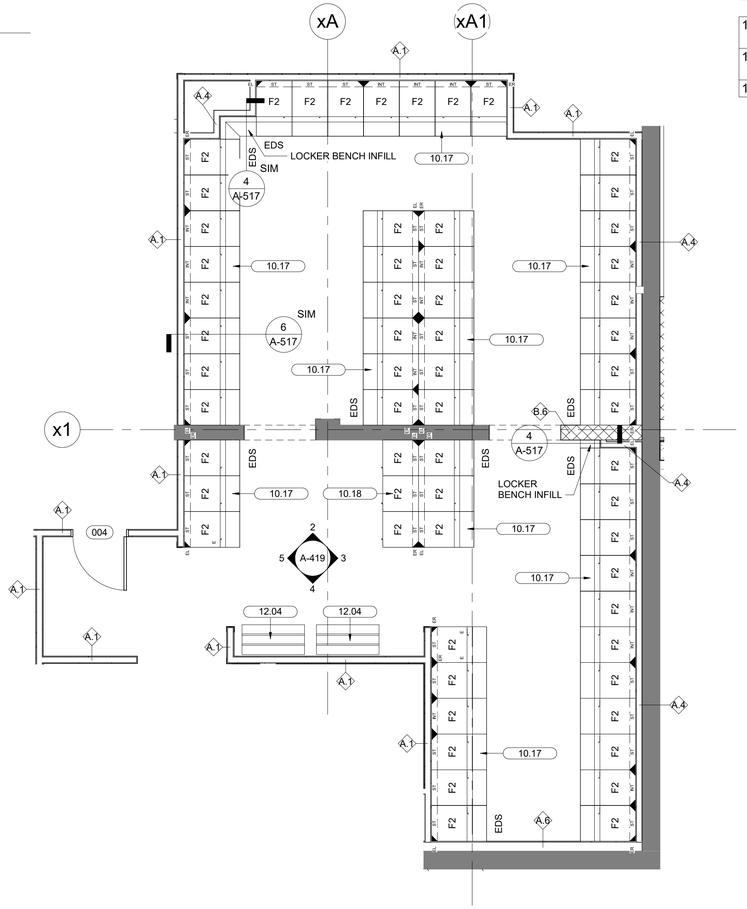
DWG. FILENAME: C:\Users\dwg\Documents\2213\9\11 - BC OC Essex Police Station DD_dwgQZANB.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-516	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 150 OF 295
	DRAWING NUMBER
	2025-1041
	FILE NO.: 8 REV: 03/22

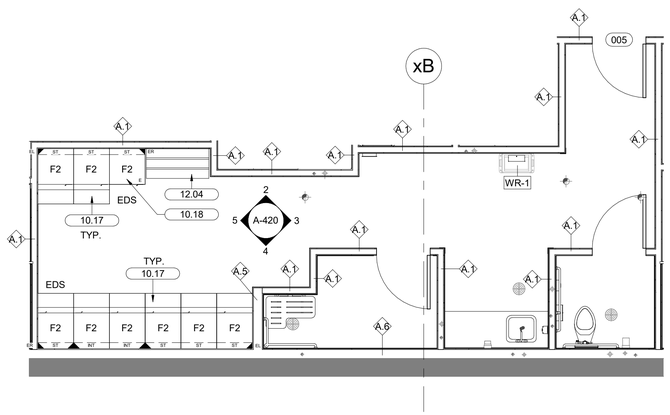


1 WELDED METAL LOCKERS - MEN'S LOCKER ROOM
1/4" = 1'-0"

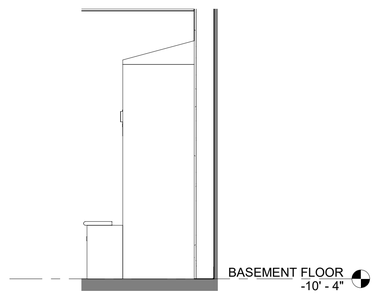
4 LOCKER BENCH INFILL DETAIL
1" = 1'-0"



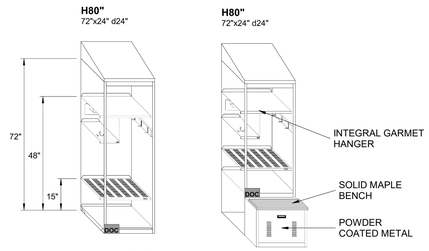
3 WELDED METAL LOCKERS - WOMEN'S LOCKER ROOM
1/4" = 1'-0"



2 WELDED METAL LOCKERS - G.N. LOCKER ROOM
1/4" = 1'-0"



6 WELDED MTL LOCKER VENTILATION DETAIL SINGLE
1/2" = 1'-0"



LOCKER RM - FREE STYLE LOCKER DETAILS

KEYNOTE LEGEND	
TAG	DESCRIPTION
10.17	WELDED METAL PERSONAL STORAGE LOCKER W/ BUILT-IN BENCH DRAWER.
10.18	WELDED METAL PERSONAL STORAGE LOCKER.
12.04	FIXED IN PLACE ADA BENCH.

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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.							7NE28	PLAN SCALE:	As indicated	APPROVED BY:
					R.O.W NO.	ISW	7NE29 8NE28 8NE29			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

ESSEX POLICE PRECINCT - 11

WELDED METAL LOCKER PLANS & DETAILS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

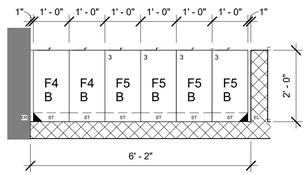
Murphy & Dittenhafer ARCHITECTS

805 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4614 fax

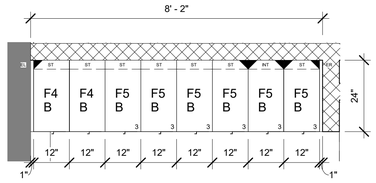
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3449 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-517	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 151 OF 295
	DRAWING NUMBER
	2025-1042
	FILE NO.: 8 REV: 00/02

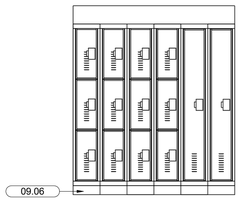
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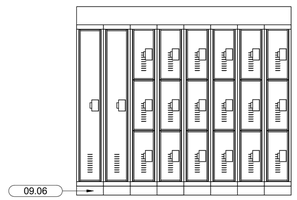
1 WELDED METAL LOCKERS - F. PROC.
1/2" = 1'-0"



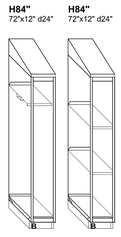
3 WELDED METAL LOCKERS - M. PROC.
1/2" = 1'-0"



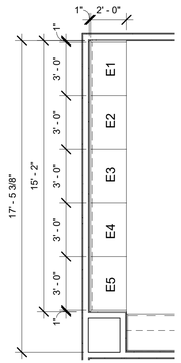
2 F. PROC. - LOCKER DETAILS
1" = 1'-0"



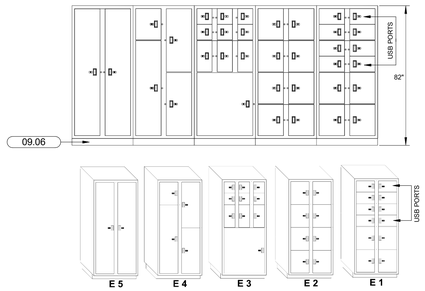
4 M. PROC. - LOCKER DETAILS
1" = 1'-0"



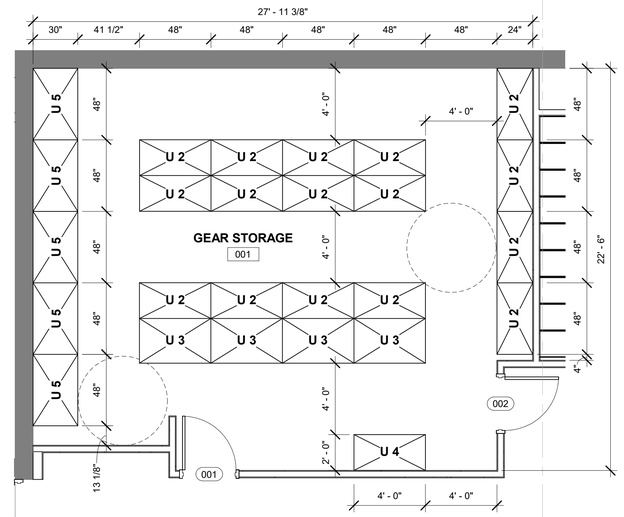
PROPERTY STORAGE - LOCKER DETAILS



5 WELDED METAL LOCKERS - EVIDENCE PROCESSING
1/4" = 1'-0"

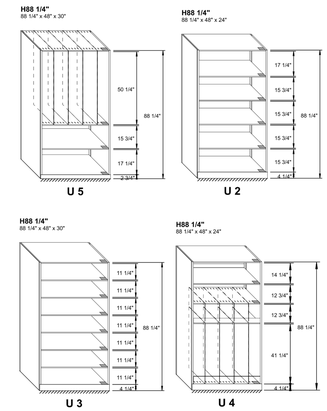


EVIDENCE PROCESSING - LOCKER DETAILS

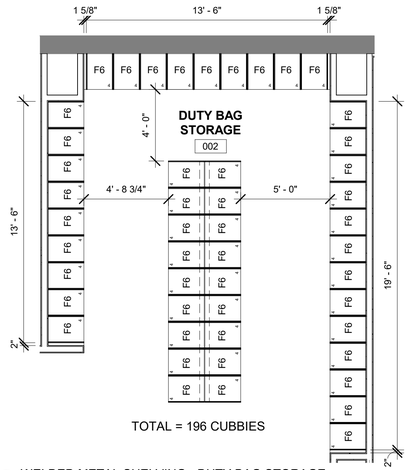


7 WELDED METAL LOCKER & SHELVING - GEAR RM
1/4" = 1'-0"

KEYNOTE LEGEND	
TAG	DESCRIPTION
09.06	WALL BASE PER RM FINISH SCHEDULE.
10.23	WELDED METAL LOCKER, STOP STICK STORAGE.

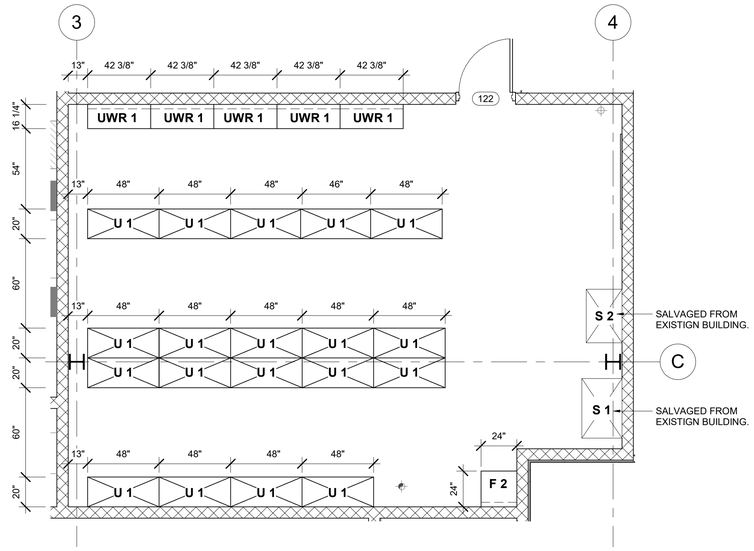


9 GEAR ROOM - LOCKER & SHELVING DETAILS
1" = 1'-0"

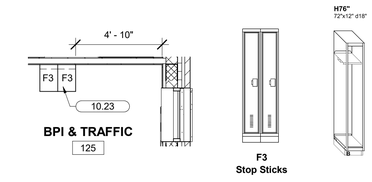


TOTAL = 196 CUBBIES

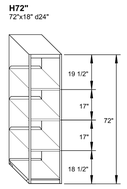
15 WELDED METAL SHELVING - DUTY BAG STORAGE
1/4" = 1'-0"



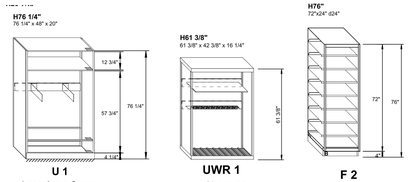
8 WELDED METAL LOCKER & SHELVING - ARMORY
1/4" = 1'-0"



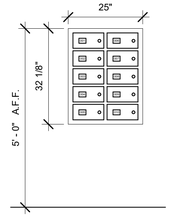
16 WELDED METAL SHELVING - STOP STICKS - BPI / TRAFFIC
1/4" = 1'-0"



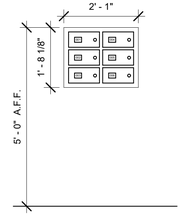
14 DUTY BAG - LOCKER DETAILS
1" = 1'-0"



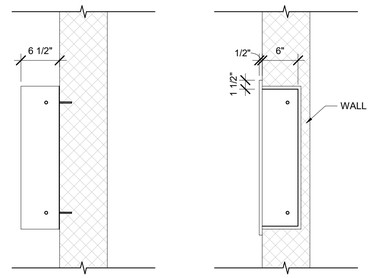
10 ARMORY - LOCKER, SHELVING & RACKS DETAILS
1" = 1'-0"



11 SURFACE - WALL MOUNTED GUN LOCKERS
1/2" = 1'-0"



12 FLUSH - WALL MOUNTED GUN LOCKERS
1/2" = 1'-0"



13 GUN LOCKER MOUNTING TYPES
1" = 1'-0"

C:\Users\dhay\Documents\22139A1 - BC OC Essex Police Station D3_dhayQZANS.rvt

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

WELDED METAL LOCKER PLANS, ELEVATIONS & DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

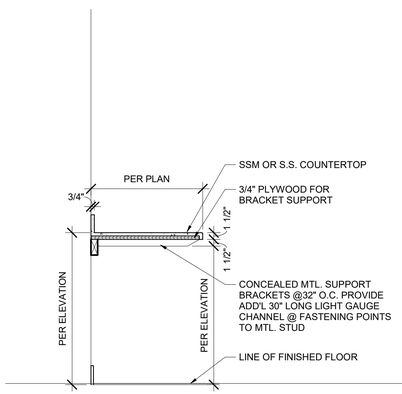
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

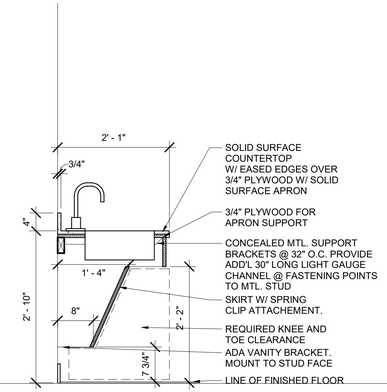
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4514 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-518	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 152 OF 295
	DRAWING NUMBER
	2025-1043
	FILE NO.: 8 REV. 03/22

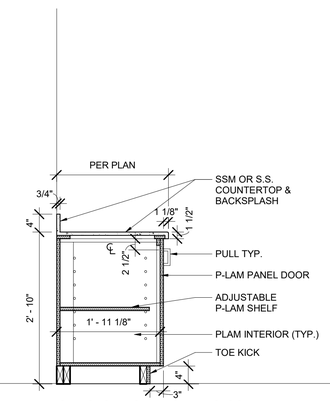
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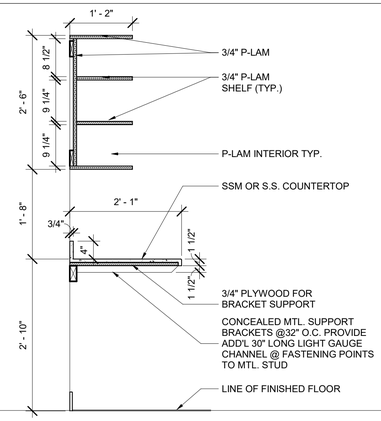
1 TYPICAL COUNTERTOP DETAIL W/ BACKSPLASH
3/4" = 1'-0"



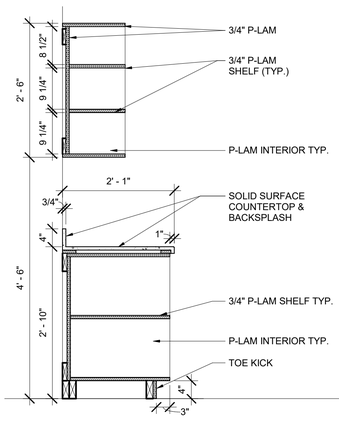
2 TYPICAL COUNTERTOP DETAIL @ SINK
3/4" = 1'-0"



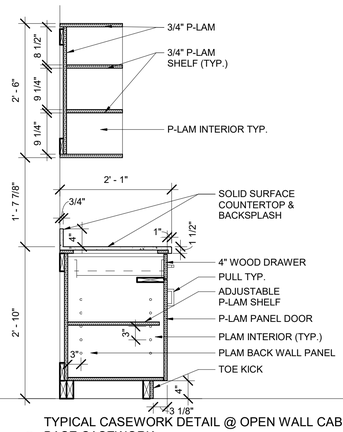
3 TYPICAL CASEWORK DETAIL @ COUNTER
3/4" = 1'-0"



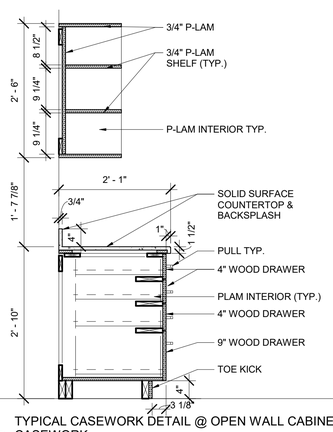
4 TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET & COUNTER
3/4" = 1'-0"



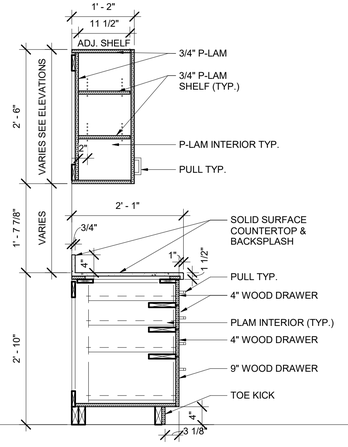
5 TYPICAL CASEWORK DETAIL @ OPEN WALL AND BASE CASEWORK
3/4" = 1'-0"



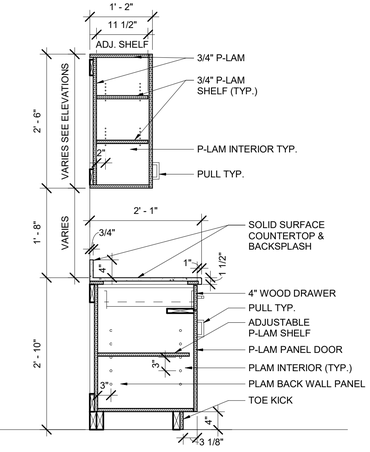
6 TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET AND 1 DRAWER BASE CASEWORK
3/4" = 1'-0"



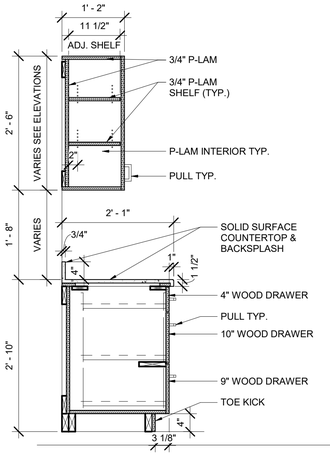
7 TYPICAL CASEWORK DETAIL @ OPEN WALL CABINET & 4 DRAWER BASE CASEWORK
3/4" = 1'-0"



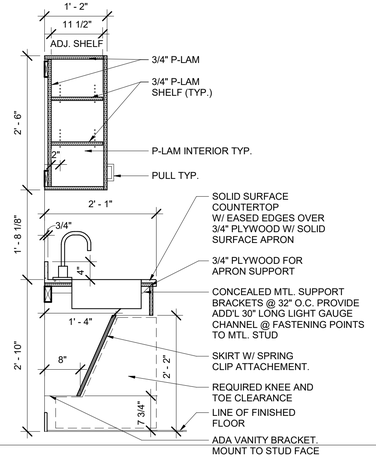
8 TYPICAL CASEWORK DETAIL @ WALL CABINET
3/4" = 1'-0"



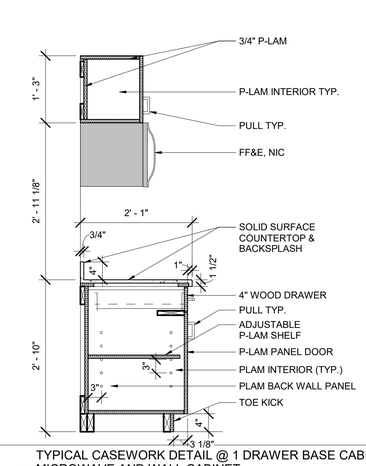
9 TYPICAL CASEWORK DETAIL @ 1 DRAWER BASE CABINET
3/4" = 1'-0"



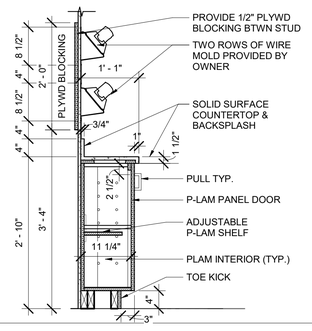
10 TYPICAL CASEWORK DETAIL @ 3 DRAWER BASE CABINET
3/4" = 1'-0"



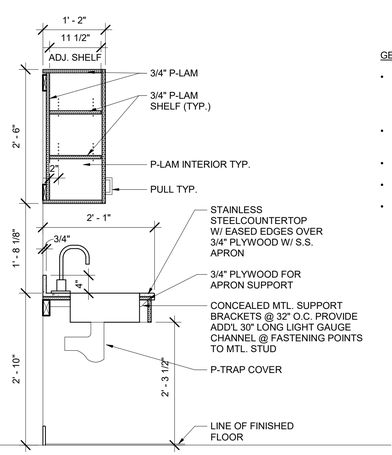
11 TYPICAL COUNTERTOP DETAIL @ SINK W/ UPPER CABINET
3/4" = 1'-0"



TYPICAL CASEWORK DETAIL @ 1 DRAWER BASE CABINET W/ MICROWAVE AND WALL CABINET
3/4" = 1'-0"



13 TYPICAL CASEWORK DETAIL @ BODY CAM CHARGING STATION
3/4" = 1'-0"



14 CASEWORK DETAIL - S.S. SINK
3/4" = 1'-0"

GENERAL CASEWORK NOTES:

- GC SHALL COORDINATE SOLID WOOD BLOCKING FOR EACH CASEWORK LOCATION. SPECIFIC BLOCK REQUIREMENTS ARE NOTED IN CASEWORK DETAILS. IF NOT NOTED, GC SHALL PROVIDE TYPICAL WOOD BLOCKING BETWEEN STUDS TO RECEIVE CASEWORK.
- GC SHALL COORDINATE THE LOCATION OF CONCEALED METAL BRACKETS WITH APPROVED CASEWORK SHOP DRAWINGS.
- ANY EXPOSED PLAM EDGE SHALL HAVE EDGE BANDING APPLIED.
- PROVIDE SCHEDULED BASE AT ALL CASEWORK TOE KICKS, UNLESS NOTED OTHERWISE.
- PROVIDE WHITE MELAMINE FINISHED INTERIOR SHELVING FOR TYPICAL CABINETRY UNLESS NOTED OTHERWISE.

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
717-848-8627 voice 717-620-3446 fax

DWG. FILENAME: C:\Users\dhug\Documents\2213\9A1 - BC OC Essex Police Station DD_dhugQ2AN8.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: JULY 14, 2025

DATE : JULY 14, 2025

DESIGN		AS-BUILT / REVISION	BY	DATE
DGN BY:	JAT			
DWN BY:	DWG/AWU			
CHKD BY:	RLM	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

CASEWORK TYPICAL DETAILS

RENOVATION & ADDITION

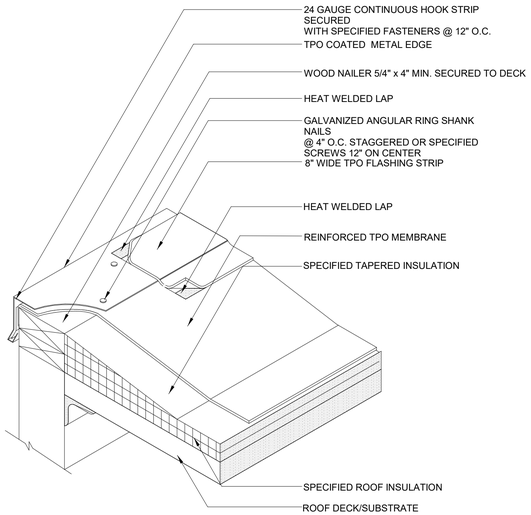
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-519	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 153 OF 295	
DRAWING NUMBER	2025-1044
FILE NO.: 8	REV. 03/22

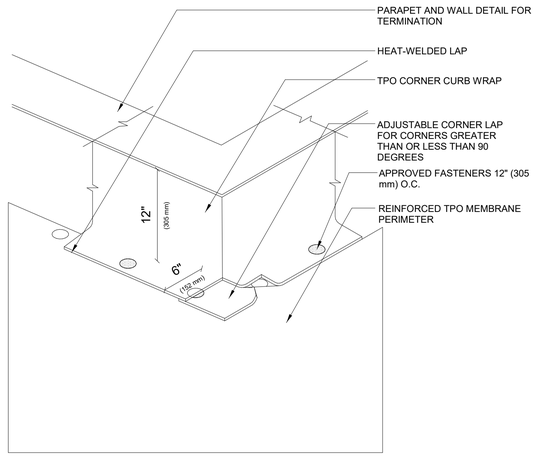
NOTE:
ALL ROOF DETAILS SHALL COMPLY W/ NCRA STANDARD AND INDUSTRY ACCEPTED ELASTOMETRIC ROOF SYSTEM DETAILS. SEE ROOF SPECIFICATIONS.



NOTES

1. APPLY TPO EDGE SEALANT TO ALL CUT REINFORCED TPO.

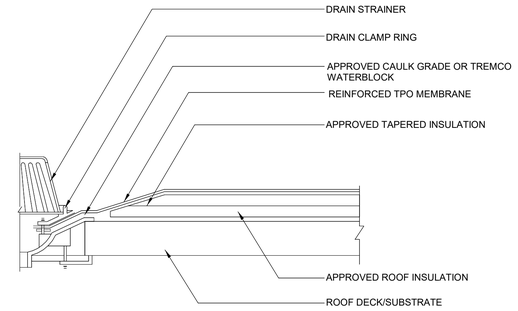
1 COATED METAL TAPERED EDGE @ COVERED WALK
12" = 1'-0"



NOTES

1. FOUR CORNER CURB WRAP PIECES ARE NEEDED TO COMPLETE.
2. CORNER WRAP TO BE ADHERED.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

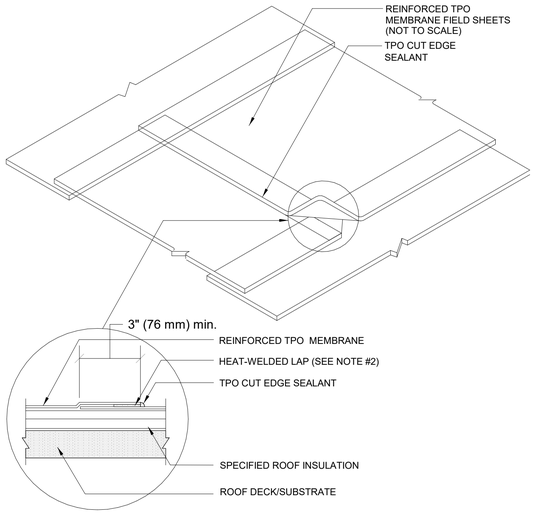
2 TYPICAL CORNER CURB WRAP
12" = 1'-0"



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.
4. USE ONE FULL TUBE OF APPROVED CAULK GRADE SEALANT OR TREMCO WATER BLOCK PER DRAIN.

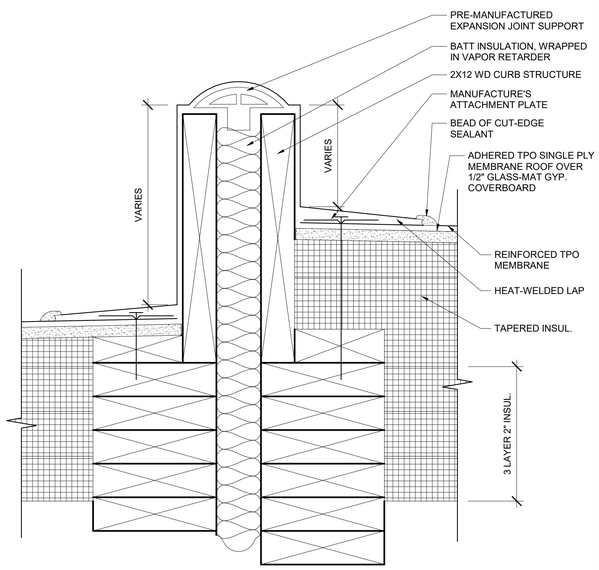
3 TYPICAL DRAIN - STANDARD ROOF DRAIN FLASHING
12" = 1'-0"



NOTES

1. T-JOINT TPO PATCH REQUIRED
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.

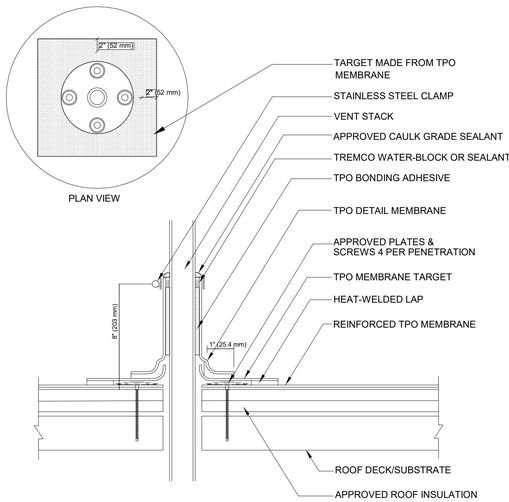
4 TYPICAL END LAP
12" = 1'-0"



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD-FABRICATED EXPANSION JOINT TPO MEMBRANE..
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

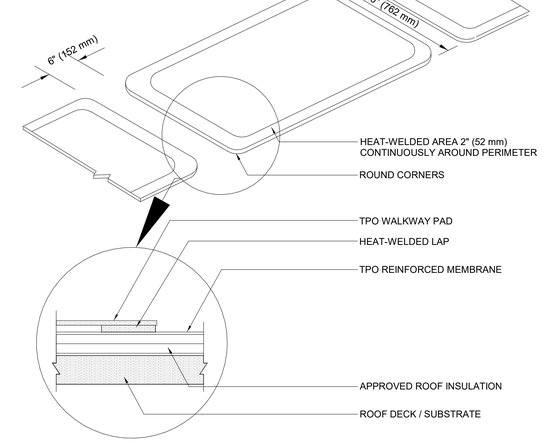
5 TYPICAL FIELD FABRICATED EXPANSION JOINT, FLAT TYPE.
12" = 1'-0"



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), USE HARD BOARD 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.

6 TYPICAL FIELD-WRAPPED PENETRATION FLASHING
12" = 1'-0"



NOTES

1. INSTALL WALKWAY PADS 3" (76 mm) OFF EACH SEAM.
2. HEAT-WELD EDGE OF WALKWAY ROLLS CONTINUOUSLY.

7 TYPICAL HEAT WELDED WALKWAY
12" = 1'-0"

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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 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.	ISW	7NE28 7NE29 8NE28 8NE29	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

ESSEX POLICE PRECINCT - 11

ROOF DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

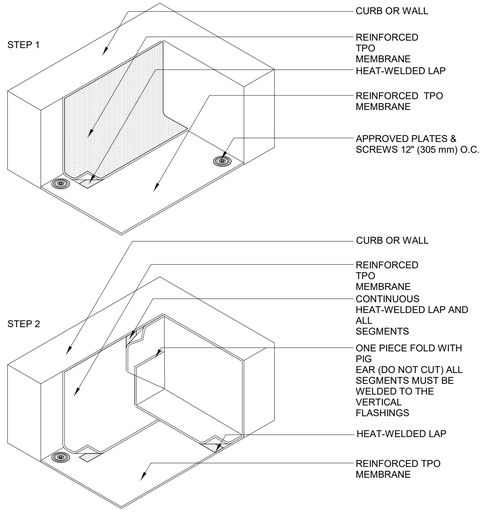
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
826 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 717-430-2446 fax

DWG. FILENAME: C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwg\Q2AN8.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-520	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 154 OF 295
	DRAWING NUMBER
	2025-1045
	FILE NO.: 8

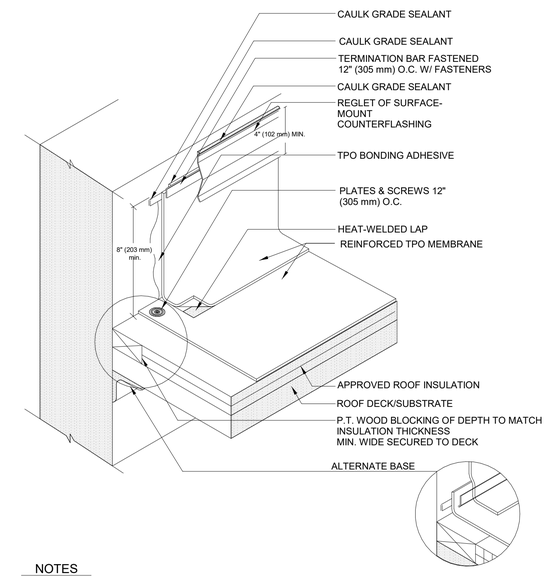
NOTE:
ALL ROOF DETAILS SHALL COMPLY W/ NCRA STANDARD AND INDUSTRY ACCEPTED ELASTOMETRIC ROOF SYSTEM DETAILS. SEE ROOF SPECIFICATIONS.



NOTES

1. ALL SEGMENTS OF THE EAR MUST BE WELDED TOGETHER AND WELDED TO THE WALL
2. CHECK MFR'S SYSTEM SPEC FOR GUIDELINES ON ADHERING FLASHINGS.
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.

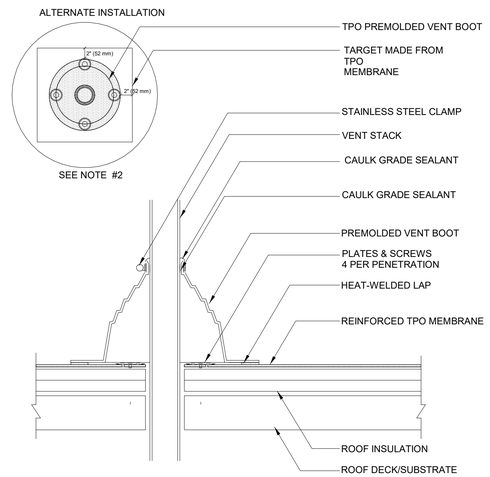
1 TYPICAL INSIDE CORNER FABRICATION, 2 STEP PIG EAR UP
12" = 1'-0"



NOTES

1. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

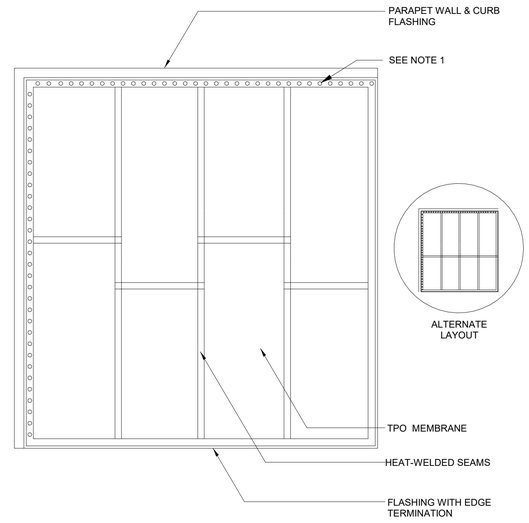
2 TYPICALPARAPET WALL FLASHING WITH COUNTERFLASHING
12" = 1'-0"



NOTES

1. DO NOT CUT SIDE OF PREMOLDED BOOT. PULL BOOT 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.

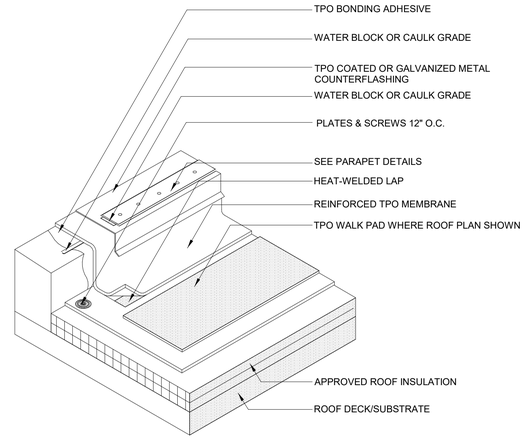
3 TYPICAL PREMOLDED VENT BOOT FLASHING
12" = 1'-0"



NOTES

1. PENETRATION FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS.

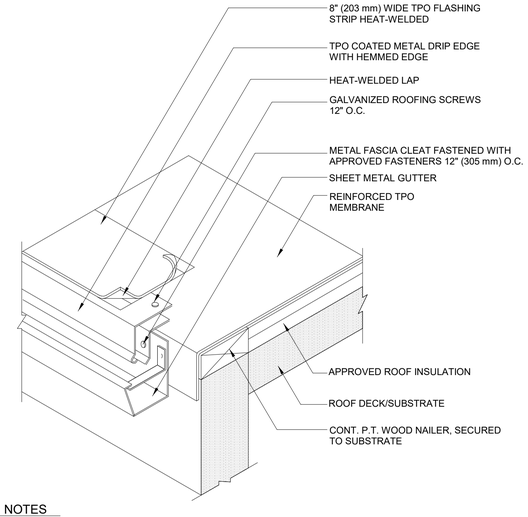
4 TYPICAL ROOF MEMBRANE LAYOUT
12" = 1'-0"



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.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

5 TYPICAL 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. INSTALL A CONTINUOUS METAL CLEAT FOR ROOF EDGE TRIM.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

6 TYPICAL 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
DATE : JULY 14, 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
BY: DATE: 7/14/2025

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
R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29 | PLAN SCALE: 12" = 1'-0" | APPROVED BY: PROPERTY MANAGER
CONTRACT COMPLETION BOX | 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

ESSEX POLICE PRECINCT - 11

ROOF DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

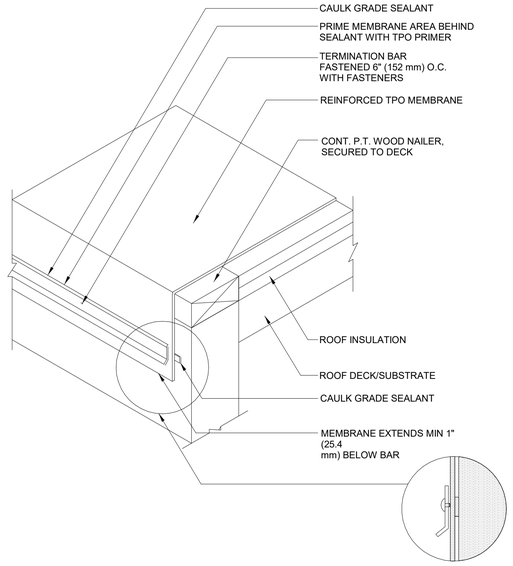
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

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 717-846-6627 voice 717-840-2446 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-521	25022 PP0
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	PROJ-10000636
	SHEET 155 OF 295
	DRAWING NUMBER
	2025-1046
	FILE NO.: 8 REV: 0922

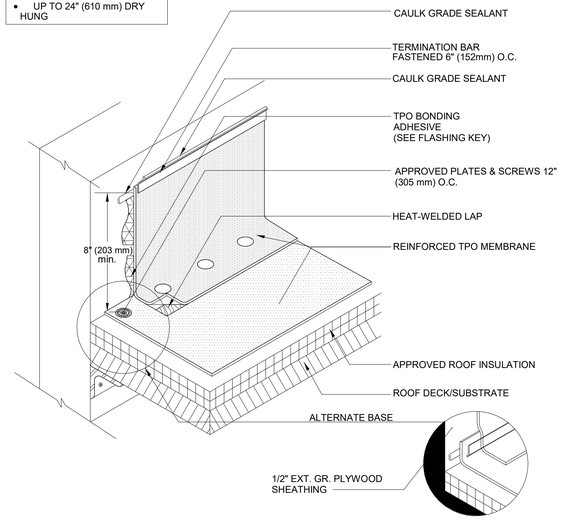


NOTES

1. 1. TERMINATION BAR FASTENED 6" (152 mm) O.C.
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 TYPICAL 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

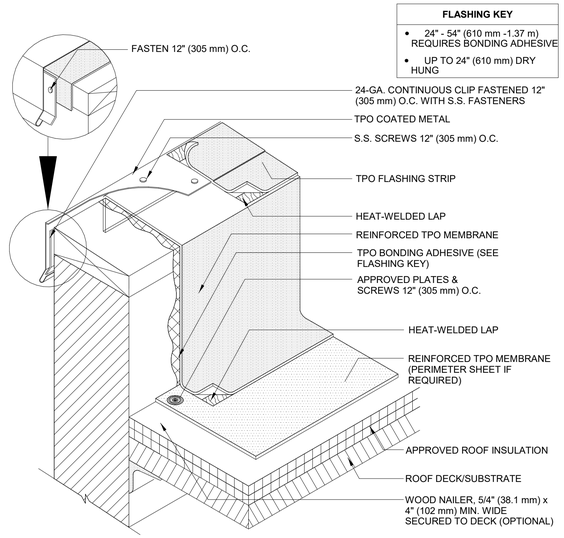


NOTES

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 TYPICAL 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

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 TYPICAL WALL FLASHING WITH COATED METAL EDGE
12" = 1'-0"

NOTE:
ALL ROOF DETAILS SHALL COMPLY W/ NCRA STANDARD AND INDUSTRY ACCEPTED ELASTOMETRIC ROOF SYSTEM DETAILS. SEE ROOF SPECIFICATIONS.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ROOF DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

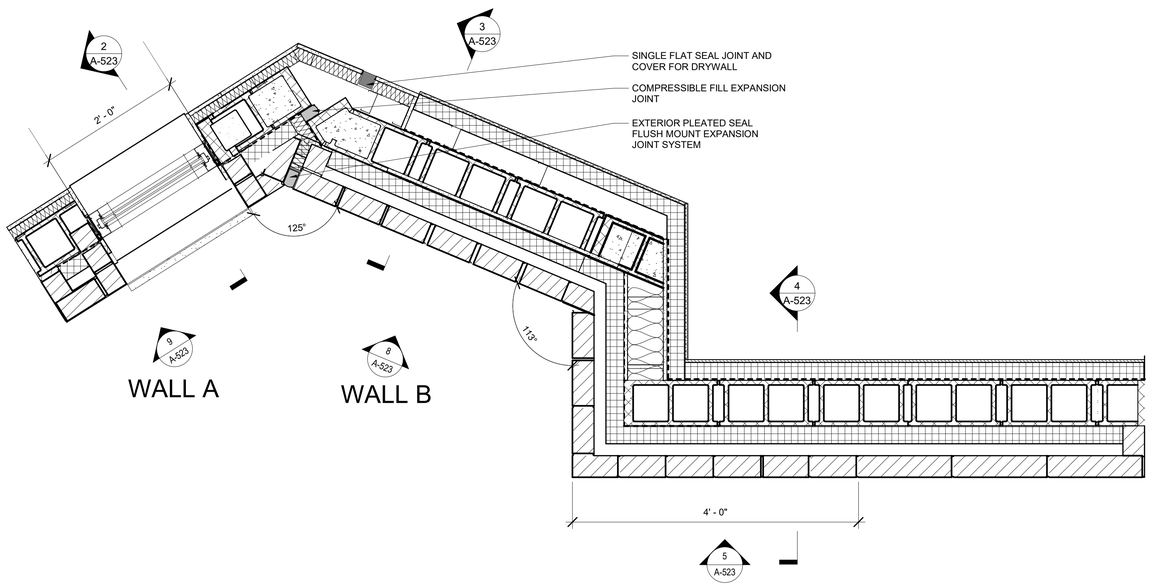
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-845-3446 fax

DWG. FILENAME:

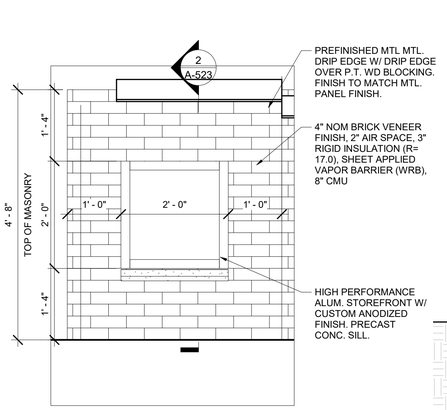
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A-522	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 156 OF 295
	DRAWING NUMBER
	2025-1047
	FILE NO.: 8 REV. 03/22

GENERAL NOTES FOR INTEGRATED MOCKUP PANELS:

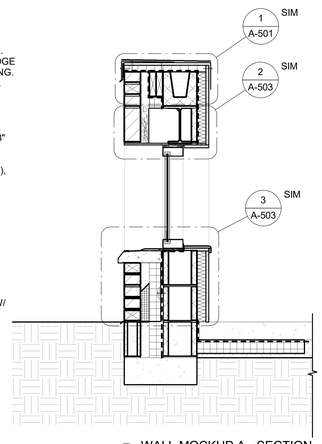
1. REFER TO WALL SECTION AND DETAILS FOR ASSEMBLIES. THE PURPOSE OF THE MOCKUP IS TO DEMONSTRATE THE COMPLETE ASSEMBLY IN PORTIONS DEFINED BY THE MOCKUP DRAWINGS.
2. STUD CAVITY INSULATION IS NOT REQUIRED.



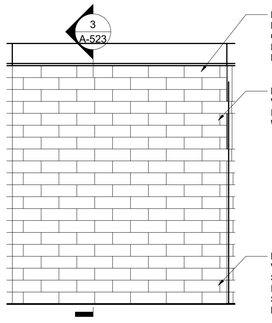
1 WALL MOCKUP PLAN - WALLS A, B & C
1" = 1'-0"



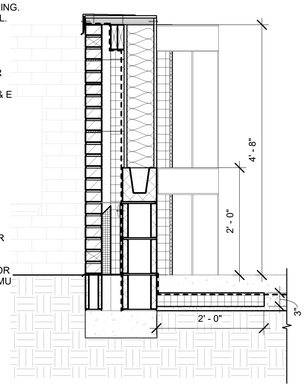
9 WALL MOCKUP A - ELEVATION
3/4" = 1'-0"



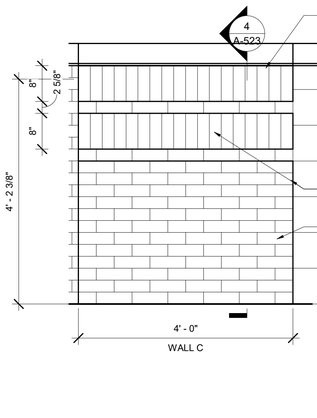
2 WALL MOCKUP A - SECTION
3/4" = 1'-0"



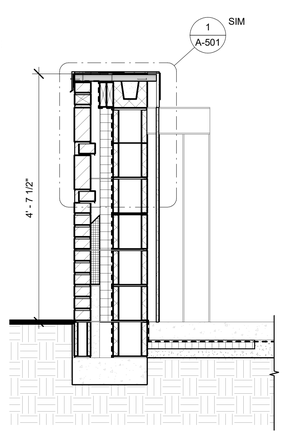
8 WALL MOCKUP B - ELEVATION
3/4" = 1'-0"



3 WALL MOCKUP B - SECTION
3/4" = 1'-0"



5 WALL MOCKUP C - ELEVATION
3/4" = 1'-0"



4 WALL MOCKUP C - SECTION
3/4" = 1'-0"

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SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 2025

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

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

MOCK UP PANELS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

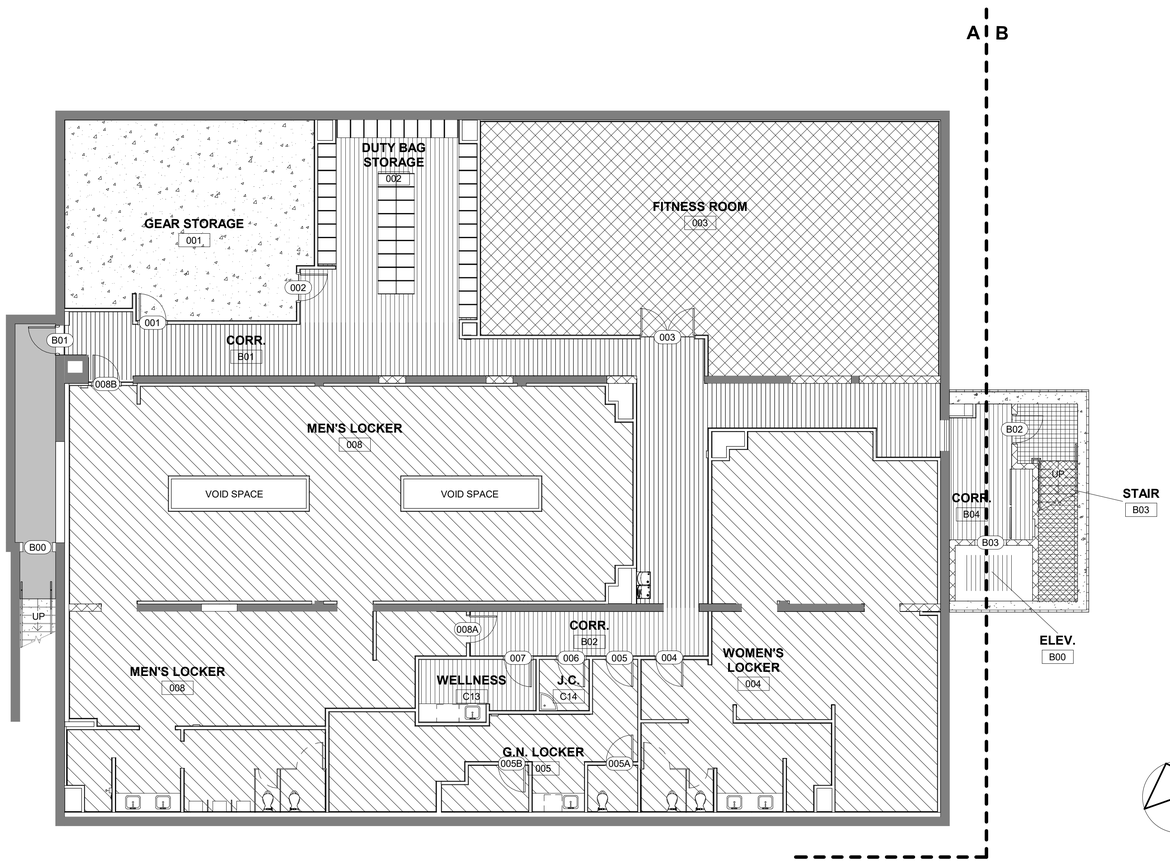
Murphy & Dittenhafer ARCHITECTS

836 Keith Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4674 fax

226 West Market Street, York, Pennsylvania 17401
717-848-8827 voice 717-840-2448 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-523	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 157 OF 295
	DRAWING NUMBER
	2025-1048
	FILE NO.: 8 REV. 10/22



1 LOWER LEVEL PLAN - FINISH
1/8" = 1'-0"

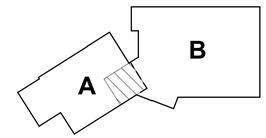
BASEMENT ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	Ceiling Finish	FLOOR FINISH	BASE FINISH	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	REMARKS
001	GEAR STORAGE	ACT-2	SEALED CONC	SEALED CONC.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
002	DUTY BAG STORAGE	PT-1 EXP.CONC	LVT-1	SEALED CONC.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PT-1 CEILING
003	FITNESS ROOM	PT-1 EXP.CONC	RESIL ATHL RUBBER	RT-1, 4" C.	GWB/PT-4	GWB/PT-4	GWB/PT-1, PT-4	GWB/PT-4	
004	WOMEN'S LOCKER	ACT-4, GWB-1	PE-3	PE-3, 4" C.	CT-2a, CT-3 GWB/PT-1, PT-4	CT-2a, CT-3, GWB/PT-1	CT-2a, CT-3, GWB/PT-1, PT-4	CT-2a, CT-3, GWB/PT-1	SEE ELEVATIONS FOR RESTROOMS
005	G.N. LOCKER	ACT-4, GWB-1	PE-3	PE-3, 4" C.	CT-2a,CT-3, GWB/PT-1; PT-4	CT-2a, CT-3, GWB/PT-1	CT-2a, CT-3, GWB/PT-1	CT-2a, CT-3, GWB/PT-1	SEE ELEVATIONS FOR RESTROOMS
005A	G.N.-WC	GWB-1, PT-1	PE-3	PE-3, 4" C.	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	
005B	G.N. SHOWER	GWB-1, PT-1	PE-3	PE-3, 4" C.	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	
008	MEN'S LOCKER	ACT-4, GWB-1	PE-3	PE-3, 4" C.	CT-2a, CT-3, GWB/PT-1, PT-4	CT-2a, CT-3, GWB/PT-1	CT-2a, CT-3, GWB/PT-1, PT-4	CT-2a, CT-3, GWB/PT-1	SEE ELEVATIONS FOR RESTROOMS
B01	CORR.	ACT-1	LVT-1	RB-1, 4" C.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
B02	CORR.	ACT-1	LVT-1	RB-1, 4" C.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
B03	STAIR	SEE RM S02	LVT-1 & RT-2	RB-1, 4" C.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	LVT-1 ON LANDINGS & RT-2 ON STAIR TREADS
B04	CORR.	ACT-1	LVT-1	RB-1, 4" C.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
C13	WELLNESS	ACT-1	LVT-1	PE-3, 4" C.	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	PT-1, PT-4	
C14	J.C.	PTD. EXP.	PE-3	PE-2, 4" C.	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PT-1 CEILING

NOTE:
- PREPARE ALL ETR CONCRETE PER FLOOR FINISH MFG. REQUIREMENTS.
- PROVIDE VINYL TRANSITION STRIPS SEPARATING TWO DIFFERENT FLOOR MATERIALS. STRIP PLACED BELOW DOOR IN CLOSED POSITION.
- PROVIDE ALUM SILLS @ ALL EXTERIOR DOORS PER DOOR SCHEDULE.
- PROVIDE POURED EPOXY FLOOR FINISHES UNDER ALL BASE CASEWORK TO WALL AND COVE. GC TO COORDINATE WALL BASE W/ CASEWORK SHOPS AND SEAL BASE CABINETS

ROOM FLOOR FINISH LEGEND

- LVT-1
- CPT-1
- CPT-2
- PE-1
- PE-2
- PE-3
- TRZ-1
- SEALED CONCRETE
- WALK OFF MAT
- RT-1
- RT-2



C:\Users\dwg\Documents\2213931 - BC OC Essex Police Station DD_dwgQZAN8.rvt

DWG FILENAME:

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-600	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 158 OF 295
	DRAWING NUMBER
	2025-1049
	FILE NO.: 8 REV. 03/22

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
BY:
DATE:

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

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

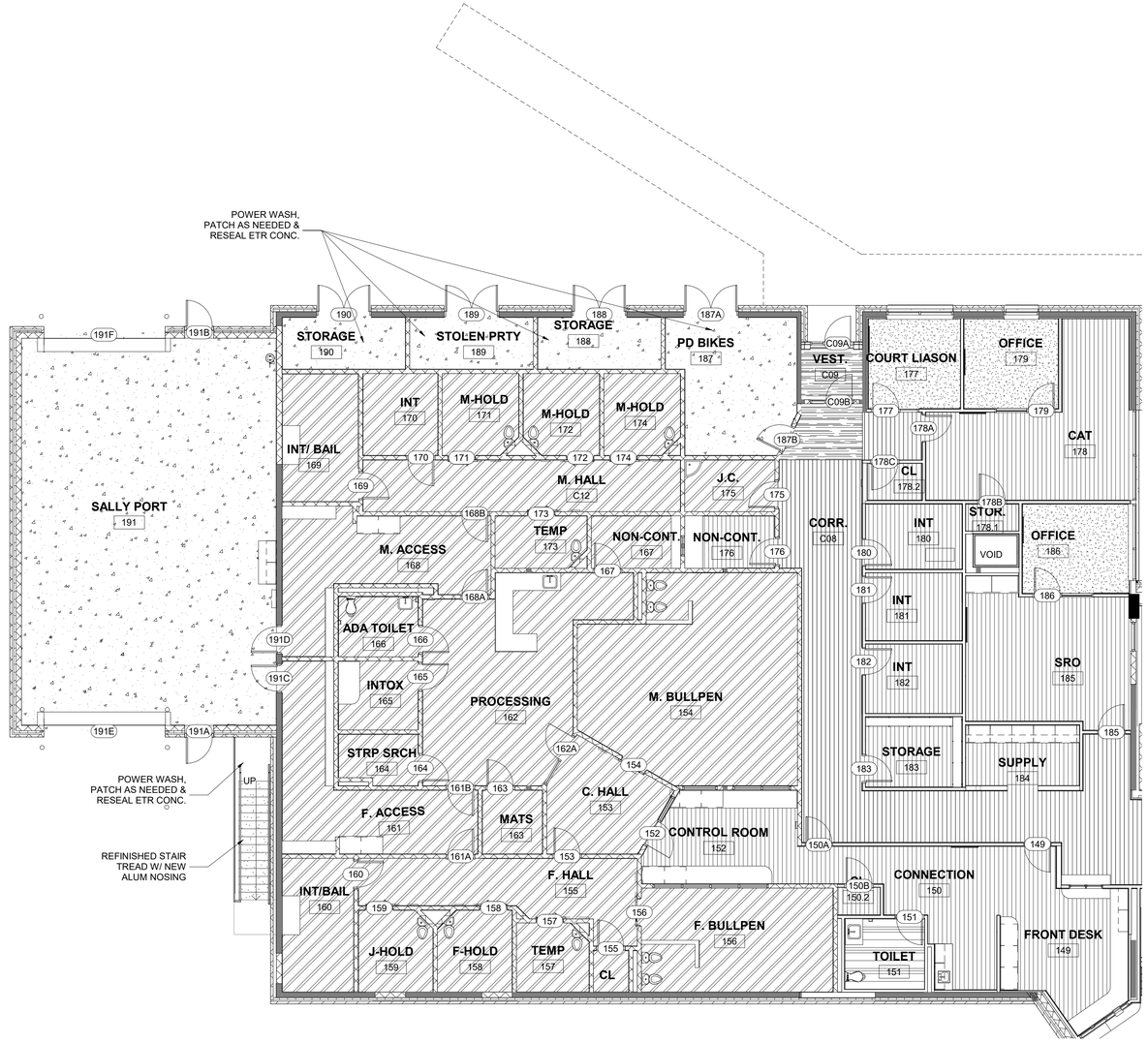
P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	ISW	7NE28 7NE29 8NE26 8NE29	PLAN SCALE:	As indicated
			PROFILE SCALE:	

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
ESSEX POLICE PRECINCT - 11
ROOM FINISH PLAN & SCHEDULE
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR PLAN - WING A FINISH
1/8" = 1'-0"

0 5'-4" 10'-8" 21'-4"

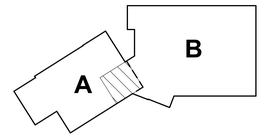
FIRST FLOOR - WING A ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	Ceiling Finish	FLOOR FINISH	BASE FINISH	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	REMARKS
149	FRONT DESK	ACT-2	LVT-1	RB-1	GWB/PT-1,	GWB/PT-1	GWB/PT-1	GWB/PT-1	
150	CONNECTION	ACT-2, GWB-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1	
150.2	CL	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PT-1 CEILING
151	TOILET	GWB-2	PE-1	PE-1 COVE	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	PT-1 CEILING
152	CONTROL ROOM	ACT-2	LVT-1	RB-1	CMU/PT-1	CMU/PT-4	CMU/PT-1	CMU/PT-1	
153	C. HALL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
154	M. BULLPEN	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
155	F. HALL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
155.1	CL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
156	F. BULLPEN	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
157	TEMP	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
158	F-HOLD	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
159	J-HOLD	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
160	INT/BAIL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
161	F. ACCESS	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
162	PROCESSING	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
163	MATS	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
164	STRP SRCH	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
165	INTOX	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
166	ADA TOILET	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
167	NON-CONT.	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
168	M. ACCESS	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
169	INT/ BAIL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
170	INT	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
171	M-HOLD	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
172	M-HOLD	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
173	TEMP	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
174	M-HOLD	ACT-5	PE-2	PE-1 COVE	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	CMU/PT-1, PT-4	
175	J.C.	ACT-1	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
176	NON-CONT.	ACT-2	LVT-1	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
177	COURT LIASON	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
178	CAT	ACT-1, ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1, PT-3	
178.1	STOR.	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
178.2	CL	GWB-1, PT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	PT-1 CEILING
179	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
180	INT	ACT-5	LVT-1	RB-1	GWB/PT-1,	GWB/PT-1	GWB/PT-1	GWB/PT-1	
181	INT	ACT-5	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
182	INT	ACT-5	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
183	STORAGE	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
184	SUPPLY	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
185	SRO	ACT-2	LVT-1	RB-1	GWB/PT-3	CMU/PT-1	GWB/PT-1	GWB/PT-1	
186	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	CMU/PT-1	GWB/PT-1	GWB/PT-1	
187	PD BIKES	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-2	CMU/PT-2	CMU/PT-2	CMU/PT-2	PT-1 CEILING
188	STORAGE	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-2	CMU/PT-2	CMU/PT-2	CMU/PT-2	PT-1 CEILING
189	STOLEN PRTY	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-2	CMU/PT-2	CMU/PT-2	CMU/PT-2	PT-1 CEILING
190	STORAGE	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-2	CMU/PT-2	CMU/PT-2	CMU/PT-2	PT-1 CEILING
191	SALLY PORT	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-2	CMU/PT-2	CMU/PT-2	CMU/PT-2	PT-1 CEILING
C09	VEST.	GWB-2	WALK OFF MAT	RB-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	PT-1 CEILING
C12	M. HALL	ACT-5	PE-2	PE-1 COVE	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	

NOTE:
- PREPARE ALL ETR CONCRETE PER FLOOR FINISH MFG. REQUIREMENTS.
- PROVIDE VINYL TRANSITION STRIPS SEPARATING TWO DIFFERENT FLOOR MATERIALS. STRIP PLACED BELOW DOOR IN CLOSED POSITION.
- PROVIDE ALUM SILLS @ ALL EXTERIOR DOORS PER DOOR SCHEDULE.
- PROVIDE POURED EPOXY FLOOR FINISHES UNDER ALL BASE CASEWORK TO WALL AND COVE. GC TO COORDINATE WALL BASE W/ CASEWORK SHOPS AND SEAL BASE CABINETS

ROOM FLOOR FINISH LEGEND

- LVT-1
- CPT-1
- CPT-2
- PE-1
- PE-2
- PE-3
- TRZ-1
- SEALED CONCRETE
- WALK OFF MAT
- RT-1
- RT-2



C:\Users\dwp\Documents\2219311 - BC OC Essex Police Station DD_dwpQZ4N8.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-601	25022 PP0

JOB ORDER NUMBER: PROJ-10000636

SHEET 159 OF 295

DRAWING NUMBER: 2025-1050

FILE NO.: 8 REV: 03/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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: 7NE28, 7NE29, 8NE28, 8NE29

R.O.W NO. | ISW

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

ESSEX POLICE PRECINCT - 11

ROOM FINISH PLAN & SCHEDULE

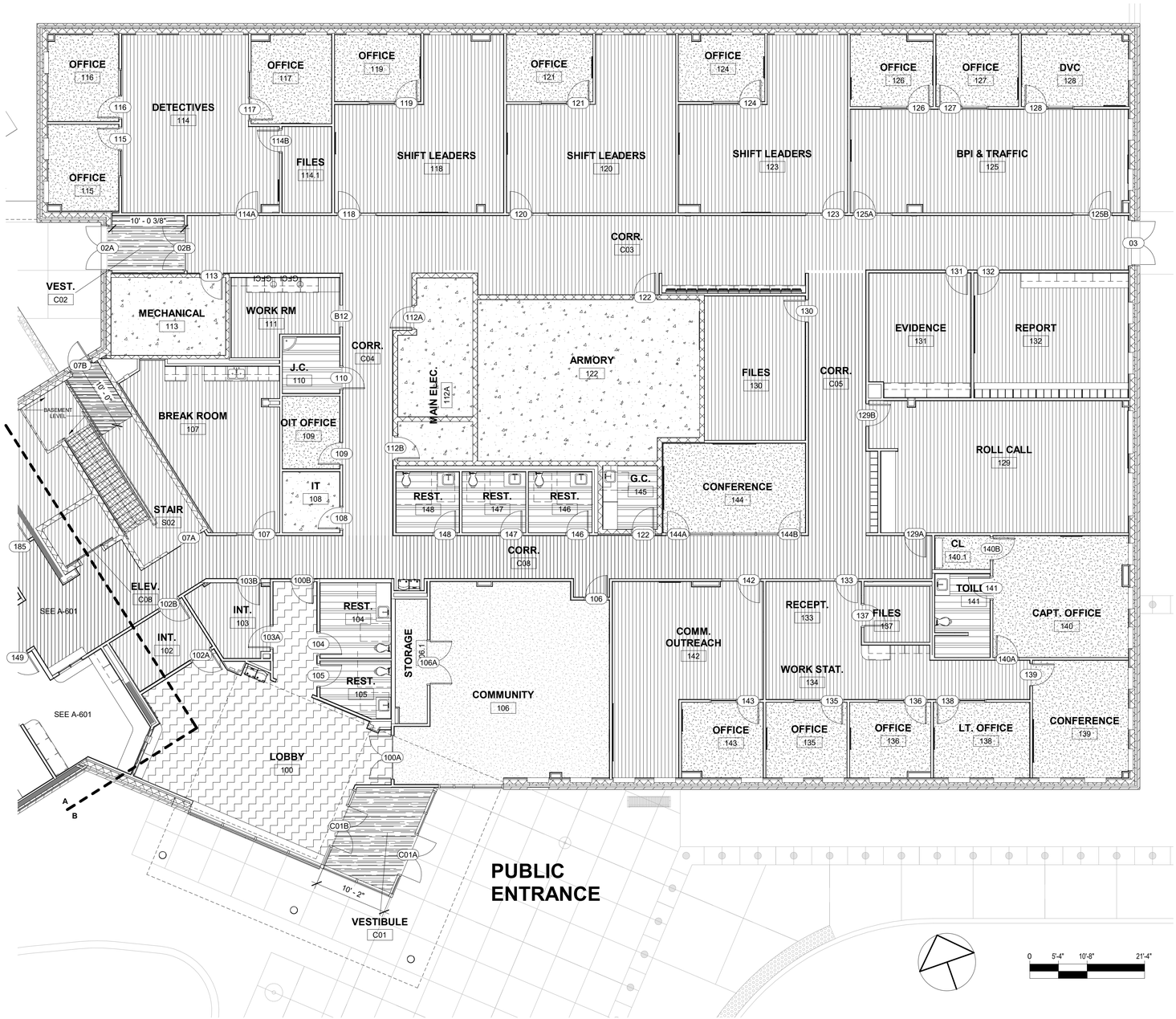
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR PLAN - WING B FINISH
1/8" = 1'-0"

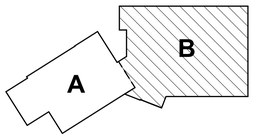
FIRST FLOOR - WING B ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	Ceiling Finish	FLOOR FINISH	BASE FINISH	WALLS NORTH FINISH	WALLS EAST FINISH	WALLS SOUTH FINISH	WALLS WEST FINISH	REMARKS
100	LOBBY	ACCOUST. WD.	TRZ-1	RB-1	AWP-2, GWB/PT-1	GWB/PT-1, PT-3	GWB/PT-1, PT-2, PT-3	GWB/PT-1, PT-2, PT-3	
102	INT.	ACT-2	LVT-1	RB-1	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	
103	INT.	ACT-2	LVT-1	RB-1	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	GWB/PT-1, PT-7	
104	REST.	GWB-1, PT-1	PE-1	PE-1 COVE	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	
105	REST.	GWB-1, PT-1	PE-1	PE-1 COVE	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	CT-2a, CT-2b, GWB/PT-1	
106	COMMUNITY	ACT-3	CPT-1	RB-1	GWB/PT-1, PT-3	GWB/PT-1, PT-3	GWB/PT-1, PT-3	GWB/PT-1, PT-3	
106.1	STORAGE	ACT-1	CPT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
107	BREAK ROOM	ACT-2	LVT-1	RB-1	CT-1, GWB/PT-1	GWB/PT-1	GWB/PT-1	AWP-1, GWB/PT-1	AWP-1 IN PT-3 AND PT-4 COLORS
108	IT	ACT-2	SEALED CONC	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
109	OIT OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-	GWB/PT-	GWB/PT-	GWB/PT-	
110	J.C.	GWB-1, PT-1	PE-1	PE-1 COVE	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
111	WORK RM	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
112A	MAIN ELEC.	PTD. EXP.	SEALED CONC	-	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
113	MECHANICAL	PTD. EXP.	SEALED CONC	SEALED CONC.	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
114	DETECTIVES	ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1	
114.1	FILES	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
115	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
116	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
117	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
118	SHIFT LEADERS	ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1, PT-3	
119	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-	GWB/PT-1	GWB/PT-1	GWB/PT-1	
120	SHIFT LEADERS	ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1, PT-3	
121	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
122	ARMORY	ACT-2	SEALED CONC	SEALED CONC.	CMU/PT-1	CMU/PT-1, GWB/PT-1	CMU/PT-1	CMU/PT-1, GWB/PT-1	
123	SHIFT LEADERS	ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1, PT-3	
124	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
125	BPI & TRAFFIC	ACT-2	LVT-1	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1	
126	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
127	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
128	DVC	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
129	ROLL CALL	ACT-2	LVT-1	RB-1	GWB/PT-5	GWB/PT-1	GWB/PT-1	GWB/PT-1	
130	FILES	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	CMU/PT-1	
131	EVIDENCE	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
132	REPORT	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
133	RECEPT.	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	-	GWB/PT-1	
134	WORK STAT.	ACT-2	LVT-1	RB-1	-	GWB/PT-1	GWB/PT-3	GWB/PT-1	
135	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
136	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
137	FILES	ACT-1	LVT-1	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
138	LT. OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
139	CONFERENCE	ACT-2	CPT-2	RB-1	GWB/PT-3	GWB/PT-1	GWB/PT-1	GWB/PT-1	
140	CAPT. OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
140.1	CL	ACT-1	CPT-2	RB-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	GWB/PT-1	
141	TOILET	GWB-1	PE-1	PE-1 COVE	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	
142	COMM. OUTREACH	ACT-2	LVT-1	RB-1	GWB/PT-1	GWB/PT-1, PT-3	GWB/PT-3	GWB/PT-1	
143	OFFICE	ACT-2	CPT-2	RB-1	GWB/PT-	GWB/PT-	GWB/PT-	GWB/PT-	
144	CONFERENCE	ACT-2	CPT-2	RB-1	CMU/PT-1, GWB/PT-1	CMU/PT-1	GWB/PT-1	GWB/PT-1	
145	G.C.	ACT-2	PE-1	SEALED CONC.	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	
146	REST.	GWB-1, PT-1	PE-1	PE-1 COVE	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	
147	REST.	GWB-1, PT-1	PE-1	PE-1 COVE	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	
148	REST.	GWB-1, PT-1	PE-1	PE-1 COVE	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	CT-2a, CT-2b, CT-3, GWB/PT-1	
C01	VESTIBULE	WD PANEL	WALK OFF MAT	RB-1	N/A	GWB/PT-1	N/A	N/A	
C02	VEST.	GWB-2, PT-2	WALK OFF MAT	RB-1	GWB/PT-	GWB/PT-	GWB/PT-	GWB/PT-	
C03	CORR.	ACT-1	LVT-1	RB-1	GWB/PT-	GWB/PT-	GWB/PT-	GWB/PT-	
C04	CORR.	ACT-1	LVT-1	RB-1	-	GWB/PT-	-	GWB/PT-	
C05	CORR.	ACT-1	LVT-1	RB-1	N/A	GWB/PT-1	N/A	GWB/PT-1	
C07	STAIR	GWB-1, PT-1	LVT-1 & RT-2	RB-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	LVT-1 ON LANDINGS & RT-2 ON STAIR TREADS
C08	ELEV.	-	LVT-1	RB-1	N/A	N/A	N/A	N/A	ELEVATOR
C10	BODY CAM CHARGING STATION	ACT-1	LVT-1	RB-1	-	GWB/PT-1	GWB/PT-	GWB/PT-	
S02	STAIR	GWB-1, PT-1	LVT-1 & RT-2	RB-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	CMU/PT-1	LVT-1 ON LANDINGS & RT-2 ON STAIR TREADS

NOTE:
- PREPARE ALL ETR CONCRETE PER FLOOR FINISH MFG. REQUIREMENTS.
- PROVIDE VINYL TRANSITION STRIPS SEPARATING TWO DIFFERENT FLOOR MATERIALS. STRIP PLACED BELOW DOOR IN CLOSED POSITION.
- PROVIDE ALUM SILLS @ ALL EXTERIOR DOORS PER DOOR SCHEDULE.
- PROVIDE POURED EPOXY FLOOR FINISHES UNDER ALL BASE CASEWORK TO WALL AND COVE. GC TO COORDINATE WALL BASE W/ CASEWORK SHOPS AND SEAL BASE CABINETS

ROOM FLOOR FINISH LEGEND

- LVT-1
- CPT-1
- CPT-2
- PE-1
- PE-2
- PE-3
- TRZ-1
- SEALED CONCRETE
- WALK OFF MAT
- RT-1
- RT-2



C:\Users\dwg\Documents\2213791A1 - BC OC Essex Police Station D3_dwgQZA1N8.rvt

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 717-848-6627 voice 717-845-2446 fax

DWG. FILENAME

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE: JULY 14, 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
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
R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29
CONTRACT COMPLETION BOX

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

ESSEX POLICE PRECINCT - 11

ROOM FINISH PLAN & SCHEDULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-602	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 160 OF 295
	DRAWING NUMBER
	2025-1051
	FILE NO.: 8 REV. 03/03

BALTIMORE COUNTY MARYLAND

FINISHES:
FF1 FACTORY STAIN

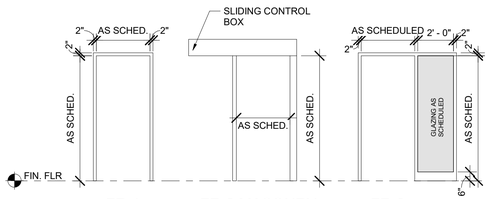
ABBREVIATIONS LEGEND

DOOR MATERIAL:
HM: HOLLOW METAL(INSUL ON EXT)
DHM: DETENTION GRADE HOLLOW METAL (INSUL ON EXT)
IM INSULATED METAL
ALUM: ALUMINUM (INSUL GLASS ON EXT)
WD-1: STAIN-GRADE WOOD

GLASS:
FSG: FIRE RATED SAFETY GLAZING
SG: SPECIAL GLAZING
PF: PRIVACY FILM
BG#: BALLISTIC GLAZING & LEVEL # (VARIES)
TG: 1/4" THK. CLEAR TEMPERED GLASS

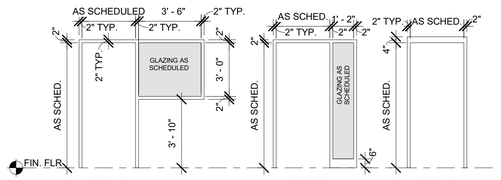
SECURITY:
CR: CARD READER
DC: DOOR CONTACT
AL: ALARMED DOOR
VI: VIDEO INTERCOM

FRAME MATERIAL:
HM: HOLLOW METAL
BHM: BALLISTIC LVL 3 HOLLOW METAL
DHM: DETENTION GRADE HOLLOW METAL(INSUL ON EXT)
IM INS. : (INSULATED) METAL/ THERMAL BREAK
SF: STOREFRONT (INSUL GLASS ON EXT)
FL: FRAMELESS (GWB)



FR-1

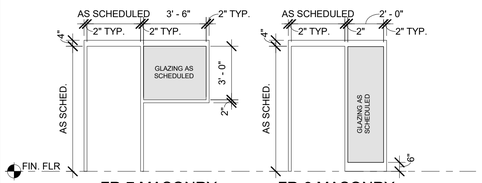
FR-2 MASONRY FR-3



FR-4

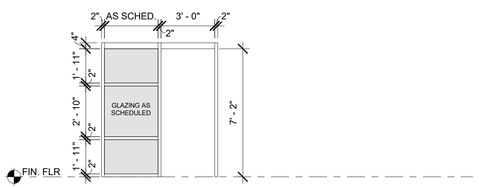
FR-5

FR-6



FR-7 MASONRY

FR-8 MASONRY



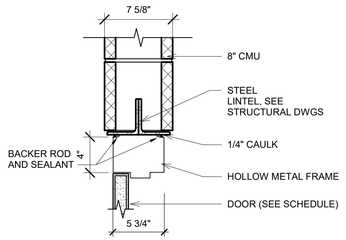
FR-9 MASONRY

DOOR SCHEDULE

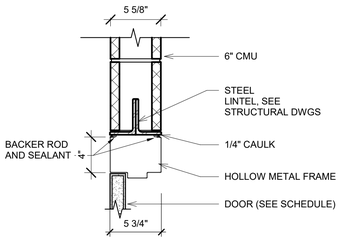
MARK	ROOM NAME	DIMENSIONS WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATL.	FINISH	DOOR FRAME TYPE	MATL.	FINISH	CONSTR. DETAILS HEAD	JAMB	SILL	FIRE RATED	HDW SET	FUNC.	COMMENTS & GLAZING. IF NOT NOTED GLAZING TO BE GL-6
001	CORR.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S3		7	CL	
002	GEAR STORAGE	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S3		7	CL	
02A	VEST.	6' - 0"	7' - 0"	1 3/4"	FG-R2	AL	MFR.	FR-6	AL	MFR.	H6	J12	S1		1.4	EN	CR from entrance side. Level 3 Ballistic Glazing. Removable mullion.
02B	VEST.	6' - 0"	7' - 0"	1 3/4"	FG-R2	AL	MFR.	FR-1	AL	MFR.	H6	J9	S1		1.6	EN	Removable mullion.
03	CORR.	6' - 0"	7' - 0"	1 3/4"	N	AL	MFR.	FR-10	AL	MFR.	H12	J12	S1		1.5	EO	Removable mullion. Level 3 Ballistic Glazing.
003	CORR.	6' - 0"	7' - 0"	1 3/4"	J	HM	PTD HM	FR-1	HM	PTD HM	H2	J2	S3		7	PA	No mullion,
004	WOMEN'S LOCKER	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		7	PA	
005	G.N. LOCKER	3' - 0"	7' - 0"	2"	L	WD	WD - 1	FR-1	HM	PTD HM		J1	S3		7	PA	Sound Gasketing.
005A	G.N.-WC	3' - 0"	7' - 0"	2"	L	WD	WD-1	FR-1	HM	PTD HM	H3	J4	S4		2	PR	Occupancy Indicator. Kickplate.
005B	G.N. SHOWER	3' - 0"	7' - 0"	2"	L	WD	WD-1	FR-1	HM	PTD HM	H3	J4	S4		2	PR	Occupancy Indicator. Kickplate.
006	J.C.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		8	ST	Sound Gasketing. Kick Plate. OVHD Holder
007	WELLNESS	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		2	PR	Sound Gasketing. Occupancy Indicator.
07A	STAIR	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S3	1 HR	7	PA	Sound Gasketing.
07B	STAIR	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-6	IM	PTD HM	H12	J12	S3	1 HR	1.2	EN	CR from exterior side. Closer & exit device.
008A	CORR.	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		7	PA	Sound Gasketing.
008B	CORR.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S3		7	PA	Sound Gasketing.
100A	LOBBY	6' - 0"	7' - 0"	1 3/4"	FG2	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		11.4	OF	CR from Lobby. Controlled by Front Desk. Level 3 Ballistic Glazing and Panels. Locked from Lobby. Mag lock. CR on exterior side controlled by Front Desk. GL-8.
100B	LOBBY	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S3		1.4	EN	CR from Lobby. Level 3 Ballistic Panel. Sound gasketing.
102A	INT.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		11.3	TBD	CR on Lobby side. Level 3 Ballistic Panel. Sound Gasketing.
102B	INT.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		11	TBD	CR from Interview Rm side. Sound Gasketing.
103A	INT.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		11.3	TBD	CR on ext. side. Level 3 Ballistic Panel. Sound Gasketing.
103B	INT.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		11	PR	CR from Interview Rm side.
104	LOBBY	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	BHM	PTD HM	H3	J4	S3		2.1	PR	Level 3 Ballistic Panel. Sound Gasketing. Kickplate. Occupant indicator.
105	REST.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	BHM	PTD HM	H3	J4	S3		2.1	PR	Level 3 Ballistic Panel. Sound Gasketing. Kickplate. Occupant indicator.
106	CORR.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		11.2	ST	Access Control. CR from Community Rm.
106A	COMMUNITY	6' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	Furniture storage
107	BREAK ROOM	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4	S4		6.1	OF	OVHD Holder
108	IT	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		3	OF	CR from corridor. OVHD Holder
109	OIT OFFICE	3' - 0"	7' - 0"	1 3/4"	FG	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing.OVHD Holder
110	CORR.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S3		8	ST	Sound Gasketing.OVHD Holder. Kick plate on both sides.
112A	MAIN ELEC.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM		J1	S3	1 HR	9	ST	Sound Gasketing. Kick plate on both sides. OVHD Holder
112B	EM. ELEC	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM		J1	S3	2 HR	9	ST	Sound Gasketing. Kick plate on both sides.
113	MECHANICAL	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S3		11.1	ST	CR from corridor. Sound Gasketing. Kick plate on both sides. OVHD Holder
114A	DETECTIVES	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
114B	FILES	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	OVHD Holder
115	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
116	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
117	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
118	SHIFT LEADERS	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
119	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
120	SHIFT LEADERS	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
121	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-5	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
122	ARMORY	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM		J1	S3		11.1	ST	CR from corridor. Sound Gasketing. OVHD Holder. Heavy Duty DR/FR - Level 2/B; ANSI/SDI A250.8 & 4
123	SHIFT LEADERS	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
124	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
125A	BPI & TRAFFIC	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
125B	BPI & TRAFFIC	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
126	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
127	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
128	DVC	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
129A	ROLL CALL	3' - 0"	7' - 0"	1 3/4"	G	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	PA	Sound Gasketing. OVHD Holder
129B	ROLL CALL	3' - 0"	7' - 0"	1 3/4"	G	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	PA	Sound Gasketing. OVHD Holder
130	FILES	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	Sound Gasketing. OVHD Holder
131	EVIDENCE	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		4	ST	CR from corridor. Sound Gasketing. OVHD Holder
132	REPORT	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	PA	Sound Gasketing. OVHD Holder
133	RECEPT.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4	S4		5	OF	Sound Gasketing. OVHD Holder
135	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing. OVHD Holder
136	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing. OVHD Holder
137	FILES	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	OVHD Holder
138	LT. OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing. OVHD Holder
139	CONFERENCE	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing. OVHD Holder
140A	CAPT. OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		6.1	OF	Sound Gasketing. OVHD Holder
140B	CL	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	PA	OVHD Holder
141	TOILET	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		2	PR	Sound Gasketing. No indicator REQ'D.
142	COMM. OUTREACH	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S4		5	OF	Sound Gasketing. OVHD Holder
143	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound Gasketing. OVHD Holder
144A	CONFERENCE	3' - 0"	7' - 0"	1 3/4"	FG	WD	PTD HM	S-1	HM	PTD HM	H6	J5	S3		6.1	OF	See interior storefront for frame. Sound gasketing. OVHD Holder. GL-6
144B	CONFERENCE	3' - 0"	7' - 0"	1 3/4"	FG	WD	PTD HM	S-1	HM	PTD HM	H6	J5	S3		6.1	OF	See interior storefront for frame. Sound gasketing. OVHD Holder. GL-6
145	G.C.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S3		8	ST	Sound Gasketing. Closer. OVHD Holder
146	REST.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		2	PR	Sound Gasketing. Occupancy Indicator.OVHD Closer
147	REST.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		2	PR	Sound Gasketing. Occupancy Indicator.OVHD Closer
148	REST.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		2	PR	Sound Gasketing. Occupancy Indicator.OVHD Closer
149	FRONT DESK	3' - 0"	7' - 0"	1 3/4"	G	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S4		5	OF	CR on corridor side.
150A	CORR.	3' - 0"	7' - 0"	1 3/4"	N1	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		5	OF	CR on corridor side. Security Glazing.
150B	CL	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		1.3	ST	
151	TOILET	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S3		2	PR	Sound Gasketing. Occupancy Indicator.

DOOR SCHEDULE

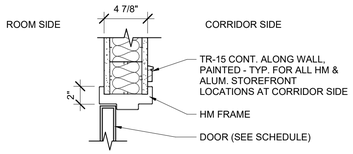
MARK	ROOM NAME	DIMENSIONS WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATL.	FINISH	DOOR FRAME TYPE	MATL.	FINISH	CONSTR. DETAILS HEAD	JAMB	SILL	FIRE RATED	HDW SET	FUNC.	COMMENTS & GLAZING. IF NOT NOTED GLAZING TO BE GL-6
152	CONTROL ROOM	3' - 0"	7' - 0"	2"	FG	DHM	PTD HM	FR-7	DHM	PTD HM	H2	J2, J5	S3		10.4	IS	Detention HM Storefront. Access Control. CR on both sides. Security Glazing. GL-9. Sound Gasketing.
153	C. HALL	3' - 0"	7' - 0"	1 3/4"	F	DHM	PTD HM	FR-1	DHM	PTD HM	H2	J2	S4		10.4	PA	CR on both sides. GL-7
154	M. BULLPEN	3' - 0 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
155	CL	3' - 0"	7' - 0"	2"	F	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.5	ST	Louvered. Mech keyed for Facilitities. Sound Gasketing.
156	F. HALL	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
157	TEMP	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
158	F. HALL	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
159	J-HOLD	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
160	INT/BAIL	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.1	IS	Detention grade HDW. CR on both sides. Sound Gasketing. GL-10. Remote release.
161A	F. HALL	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.3	PA	Detention grade HDW. Sound Gasketing. GL-7
161B	PROCESSING	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.3	PA	Detention grade HDW. Sound Gasketing. GL-7
162A	PROCESSING	3' - 0"	7' - 0"	2"	FG	DHM	PTD HM	FR-7	DHM	PTD HM	H2	J2, J5	S4		10.4	IS	Closer. Detention HM storefront. Access control. CR on both sides. Security glazing. Sound Gasketing.
163	MATS	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		10.5	ST	Sound gasketing. OVHD Holder
164	STRP SRCH	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		10.1	OF	Trim on outside only. Keyed. Sound Gasketing. OVHD Holder
165	INTOX	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		10.1	OF	Trim on outside only. Keyed. Sound Gasketing. OVHD Holder
166	ADA TOILET	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		10.1	OF	Trim on outside only. Requires further discussion whether
167	NON-CONT.	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		10.1	OF	Keyed Hardware. Sound Gasketing. Security Glass. Lock from outside. No trim on inside.
168A	M. ACCESS	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.3	PA	Detention grade HDW. Sound Gasketing. GL-7
168B	M. HALL	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.3	PA	Detention grade HDW. Sound Gasketing. GL-7
169	INT/ BAIL	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.1	IS	Detention grade HDW. CR on both sides. Sound Gasketing. GL-10
170	INT	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-6	DHM	PTD HM	H2	J2	S4		10.4	OF	Detention grade HDW. Sound Gasketing. GL-10
171	M. HALL	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Grade HDW. GL-10. Remote Release.
172	M-HOLD	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
173	M. HALL	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. Security Glazing
174	M-HOLD	3' - 2 3/8"	7' - 1 1/8"	2"	D1	DHM	PTD HM	FR-2	DHM	PTD HM	H9	J8	S2		10	DT	Detention Sliding Door. Detention Grade HDW. GL-10. Remote Release.
175	J.C.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S3		8	ST	Sound Gasketing. Closer. Kickplate.
176	NON-CONT.	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S4		6	OF	Keyed Hardware. Sound Gasketing.
177	CQURT LIASON	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-3	HM	PTD HM	H3	J4, J5	S3		6.1	OF	Sound gasketing. OVHD Holder
178A	CAT	3' - 0"	7' - 0"	1 3/4"	FG	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		5	OF	Sound gasketing. OVHD Holder
178B	STOR.	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	Sound gasketing. OVHD Holder
178C	CL	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	Sound gasketing. OVHD Holder
179	CAT	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound gasketing. OVHD Holder
180	INT	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S4		6	OF	Sound Gasketing. OVHD Holder. Locks from corridor side. One way film on narrow lite looking in.
181	INT	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S4		6	OF	Sound Gasketing.OVHD Holder. Locks from corridor side. One way film on narrow lite looking in.
182	INT	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-1	HM	PTD HM	H3	J4	S4		6	OF	Sound Gasketing.OVHD Holder. Locks from corridor side. One way film on narrow lite looking in.
183	STORAGE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		7	ST	Sound gasketing. OVHD Holder
185	SRO	3' - 0"	7' - 0"	1 3/4"	FG	WD	WD - 1	FR-1	HM	PTD HM	H3	J4	S4		5	OF	Sound gasketing. OVHD Holder
186	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	WD	WD - 1	FR-4	HM	PTD HM	H3	J4	S3		6.1	OF	Sound gasketing. OVHD Holder
187A	PD BIKES	6' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	IM	PTD HM	H1	J1	S3		8	ST	Keyed for exterior side.Weather gasketing. Closer with dogging, flush bolt and lever lock on exterior side. No mullion REQ'D
187B	PD BIKES	3' - 0"	7' - 0"	1 3/4"	N1	HM	PTD HM	FR-6	HM	PTD HM	H2	J2	S3		6	OF	Sound gasketing. OVHD Holder
188	STORAGE	6' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	IM	PTD HM	H1	J1	S3		8	ST	Keyed for exterior side.Weather gasketing. Closer with dogging, flush bolt and lever lock on exterior side. No mullion REQ'D
189	STOLEN PRTY	6' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	IM	PTD HM	H1	J1	S3		8	ST	Keyed for exterior side.Weather gasketing. Closer with dogging, flush bolt and lever lock on exterior side. No mullion REQ'D
190	STORAGE	6' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-6	IM	PTD HM	H1	J1	S3		8	ST	Keyed for exterior side.Weather gasketing. Closer with dogging, flush bolt and lever lock on exterior side. No mullion REQ'D
191A	SALLY PORT	3' - 0"	7' - 0"	2"	F	DHM	PTD HM	FR-6	IM	PTD HM	H8	J7	S3		1.1	EN	VI from Ext. Remote release from Control Room. CR on both sides.
191B	SALLY PORT	3' - 0"	7' - 0"	2"	F	DHM	PTD HM	FR-6	IM	PTD HM	H8	J7	S3		1.1	EN	VI from Ext. Remote release from Control Room. CR on both sides.
191C	F. ACCESS	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-1	DHM	PTD HM	H1	J1	S3		10.2	EN	CR on both sides. VI from Sally Port. Remote release from Control Room. Closer. GL-7
191D	M. ACCESS	3' - 0"	7' - 0"	2"	N1	DHM	PTD HM	FR-1	DHM	PTD HM	H1	J1	S3		10.2	EN	CR on both sides. VI from Sally Port. Remote release from Control Room. Closer. GL-7
191E	SALLY PORT	14' - 0"	12' - 0"	0"	OHD	STL	MFR.	-	STL	PTD STL	H10	J10	H10		1.3	EN	Remote open from control room. Insulated Coiling Door. Provide geared chain for fast manual opening; Electronically operated.
191F	SALLY PORT	14' - 0"	12' - 0"	0"	OHD	STL	MFR.	-	STL	PTD STL	H10	J10	H10		1.3	EN	Remote open from control room. Insulated Coiling Door. Provide geared chain for fast manual opening; Electronically operated.
B01	CORR.	3' - 0"	7' - 0"	1 3/4"	F	HM	PTD HM	FR-1	HM	PTD HM	H1	J1	S3 S2		1.2	EN	CR on ext. side.
B02	STAIR	3' - 0"	7' - 0"	3/4" 1"	F	WD	WD - 1	FR-1	HM	PTD HM	H3	J1	S3	1 HR	7.1	PA	HM Storefront. Sound Gasketing. Panic Bar.
C01A	VESTIBULE	5' - 11 1/2"	6' - 11 3/4"	1 3/4"	FG-R2	AL	AL MFR.	E-A3	AL MFR.		H7	J6	S1		1	EN	See exterior Storefront. CR on exterior side controlled by Front Desk. Level 3 Ballistic Glazing. GL-3. Lockset w/ Mag lock tied to switch @ frontdesk. ADA auto.
C01B	VESTIBULE	5' - 11 1/2"	6' - 11 3/4"	1 3/4"	FG-R2	AL	AL MFR.	I-A	AL MFR.		H7	J6	S1



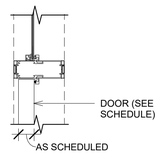
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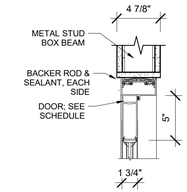
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H3

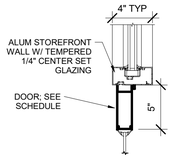


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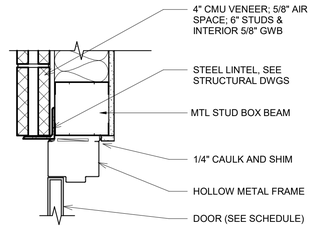
DOOR HEAD DETAIL

H6

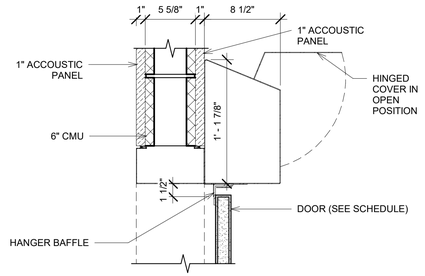


DOOR HEAD DETAIL W/ TRANSOM

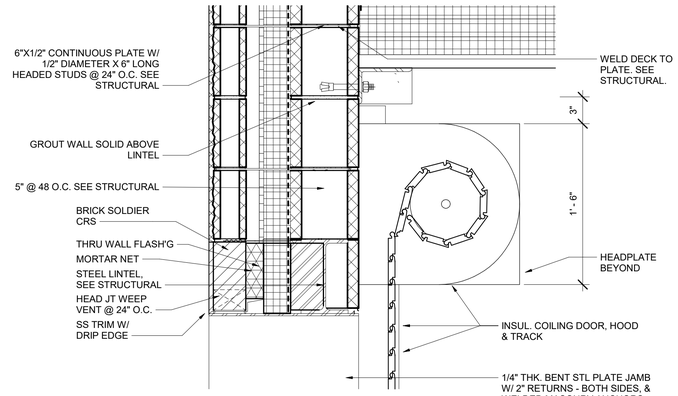
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H8

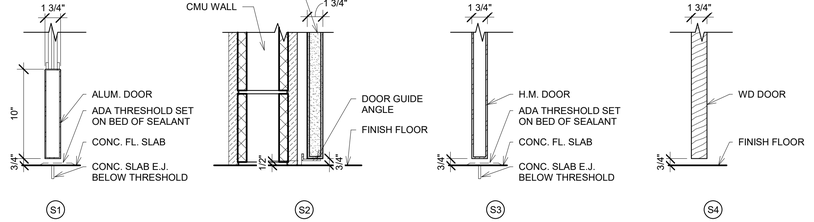


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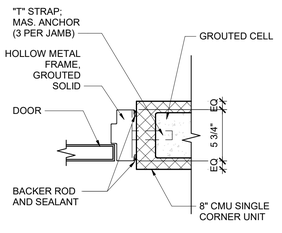
H10

1 HEAD DETAILS
1 1/2" = 1'-0"

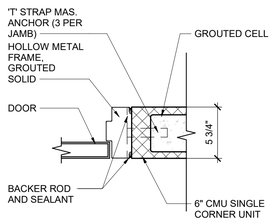


S1 S2 S3 S4

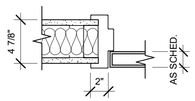
3 SILL DETAILS
1 1/2" = 1'-0"



J1



J2



J3

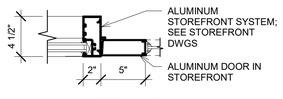


NOTE: 4 1/2" x 4 1/2" x 134GA SQUARE HINGES REQUIRED

J4

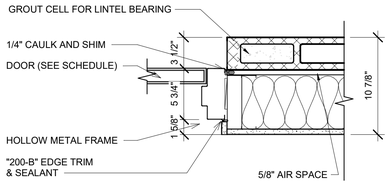
NOTE: EXTENDED LIP STRIKE PLATE REQUIRED

J5

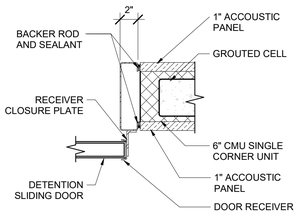


DOOR JAMB DETAIL

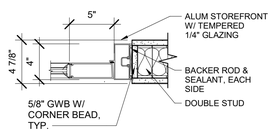
J6



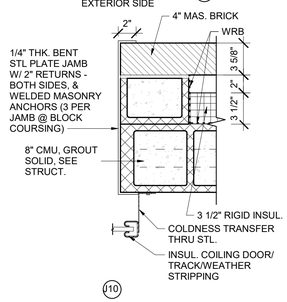
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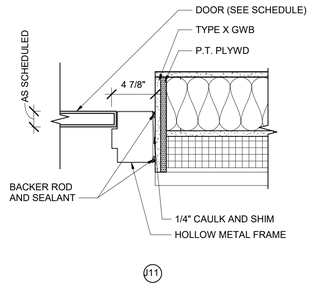
J8



J9



J10



J11

2 JAMB DETAILS
1 1/2" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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.					R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	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

ESSEX POLICE PRECINCT - 11

DOOR DETAILS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

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 717-840-8627 voice 717-840-3486 fax

DWG. FILENAME: C:\Users\dwg\Documents\2213\A1 - BC OC Essex Police Station DD_dwgQANS.rvt

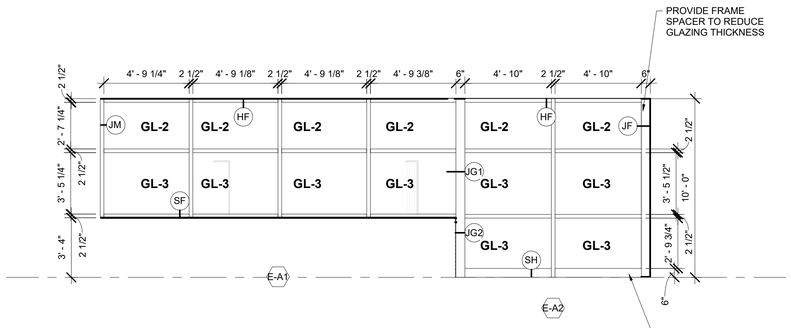
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A-604	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 162 OF 295
	DRAWING NUMBER
	2025-1053
	FILE NO.: 8 REV: 0502

BALTIMORE COUNTY MARYLAND

EXTERIOR STOREFRONT TYPES

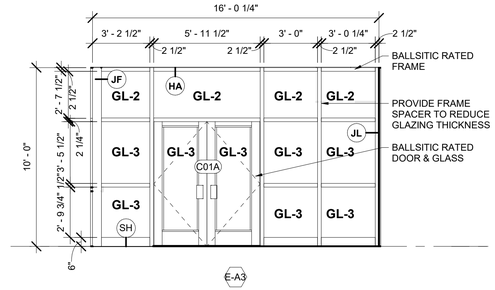
GLAZING SCHEDULE	
GL-1	1" INSULATED CLEAR LOW E GLASS
GL-2	1" INSULATED CLEAR GLASS
GL-3	1.717" NOM. THICKNESS INSULATED LEVEL 3 BALLISTIC UL 752
GL-4	ADD ALTERNATE #2 - REPLACE GL-3 W/ INSULATED LEVEL 5 BALLISTIC UL 752
GL-5	3/16" FIRELITE 1 HR FIRE RATING GLASS @ FIRE STAIR INTERIOR DOORS & SIDELITES
GL-6	0'-1/4" TEMPERED CLEAR GLASS
GL-7	0.57" NOM. THICKNESS IMPACT SECURITY GLAZING: CLEAR 10-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION
GL-8	1.01" NOM. THICKNESS 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
GL-10	0.74" NOM. THICKNESS IMPACT SECURITY GLAZING: CLEAR 20-MINUTES OF FORCED ENTRY / PHYSICAL ATTACK PROTECTION

NOTE: INTERIOR GLAZING TO HAVE GLAZING TAPE - BOTH SIDES.

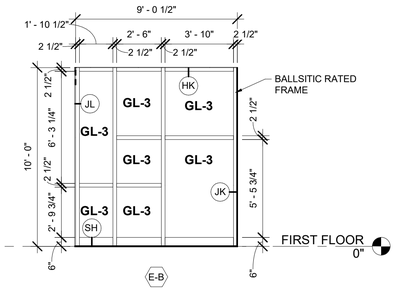


STOREFRONT TYPE E-A1

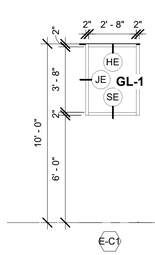
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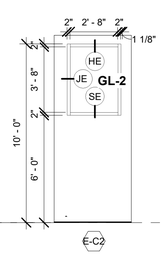
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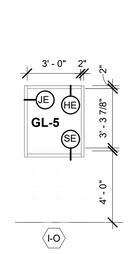
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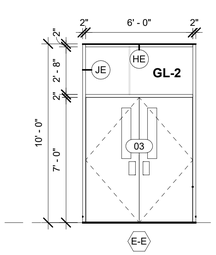
STOREFRONT TYPE E-C.1



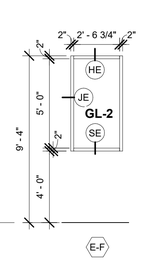
STOREFRONT TYPE E-C.2



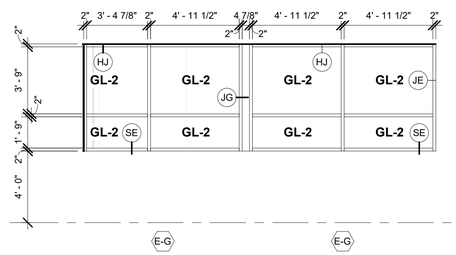
STOREFRONT TYPE E-D



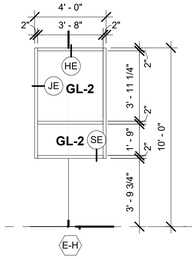
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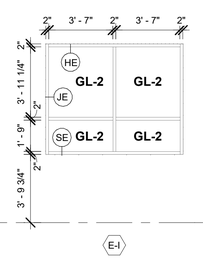
STOREFRONT TYPE E-F



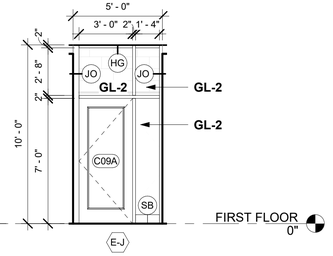
STOREFRONT TYPE E-G



STOREFRONT TYPE E-H



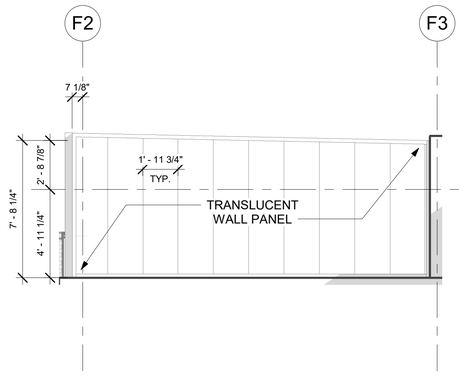
STOREFRONT TYPE E-I



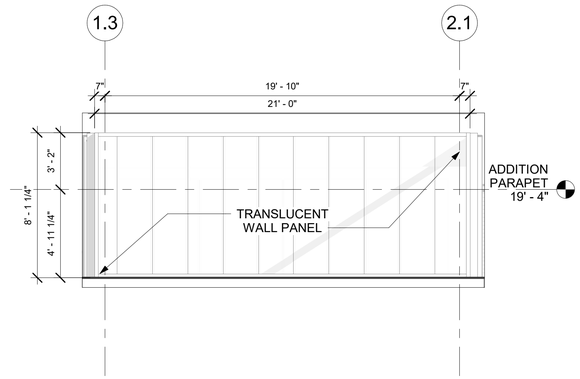
STOREFRONT TYPE E-J

EXTERIOR STOREFRONTS

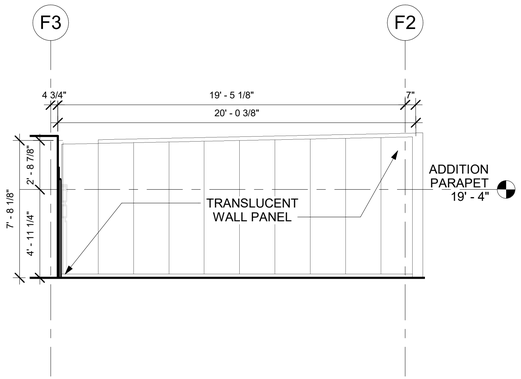
SCALE: 1/4" = 1'-0"



EAST ELEVATION @ TRANSLUCENT PANELS
1/4" = 1'-0"



SOUTH ELEVATION @ TRANSLUCENT PANELS
1/4" = 1'-0"



TRANSLUCENT PANELS - WEST
1/4" = 1'-0"

C:\Users\vbay\Documents\3213931 - BC OC Essex Police Station D3_vbayQZANS.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

EXTERIOR GLAZING

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4614 fax

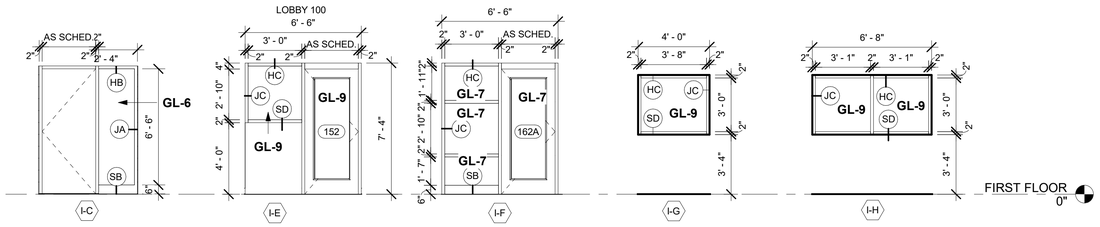
229 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3448 fax

DWG FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-605	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 163 OF 295
	DRAWING NUMBER
	2025-1054
	FILE NO.: 8

REV. 03/22

HOLLOW METAL FRAME TYPES



HM FRAME ELEVATION I-C
DOORS: 114A, 118, 120, 123, 125A, 125B, 133, 142, 177

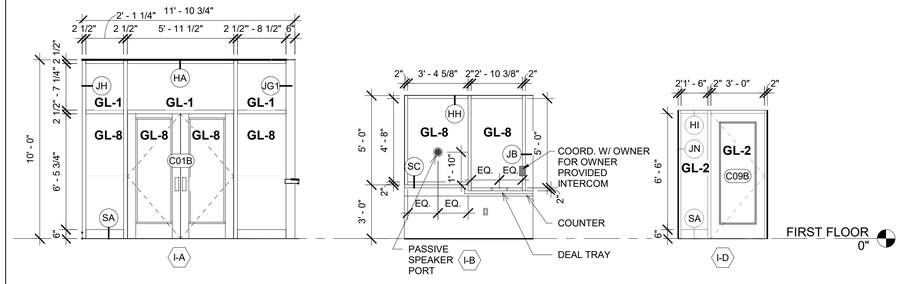
HM FRAME ELEVATION I-E
C. HALL 153

HM FRAME ELEVATION I-F
C. HALL 153

HM FRAME ELEVATION I-G
CONTROL RM 152

HM FRAME ELEVATION I-H
CONTROL RM 152

INTERIOR ALUM. STOREFRONT & WINDOW TYPES



STOREFRONT I-A
LOBBY 100

STOREFRONT I-B
LOBBY 100

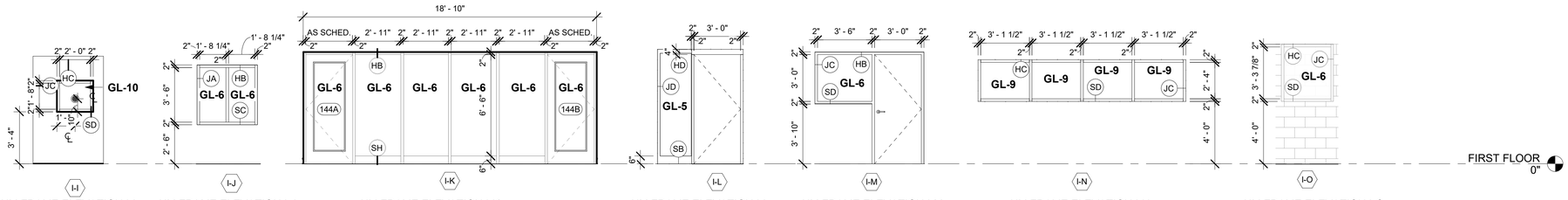
STOREFRONT I-D
VEST C09

INTERIOR ALUMINUM FRAMES

GLAZING SCHEDULE

GL-1	1" INSULATED CLEAR LOW E GLASS
GL-2	1" INSULATED CLEAR GLASS
GL-3	1.717" NOM. THICKNESS INSULATED LEVEL 3 BALLISTIC UL 752
GL-4	ADD ALTERNATE #2 - REPLACE GL-3 W/ INSULATED LEVEL 5 BALLISTIC UL 752
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NOTE: INTERIOR GLAZING TO HAVE GLAZING TAPE - BOTH SIDES.



HM FRAME ELEVATION I-I
NON-CONT. 167

HM FRAME ELEVATION I-J
FRONT DESK 149

HM FRAME ELEVATION I-K
CORRIDOR C08

HM FRAME ELEVATION I-L
STAIR S-02: DOOR 07A
TYP. FIRE RATED STAIR

HM FRAME ELEVATION I-M
DOORS: 115, 116, 117, 119, 121, 126, 127, 128, 135, 136, 138, 143, 179

HM FRAME ELEVATION I-N
F. BULLPEN RM 156

HM FRAME ELEVATION I-O
S.R.O. SUITE

INTERIOR HOLLOW METAL FRAMES SCALE: 1/4" = 1'-0"

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

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P.W.A. NO.
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KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
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

ESSEX POLICE PRECINCT - 11

INTERIOR GLAZING

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

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

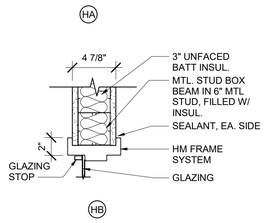
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-840-3448 fax

DWG. FILENAME: C:\Users\dwg\Documents\2213\A1 - BC OC Essex Police Station D3D_dwgQANS.rvt

SHEET DESIGNATION	CONTRACT NUMBER
A-606	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 164 OF 295
	DRAWING NUMBER
	2025-1055
	FILE NO.: 8 REV. 09/22

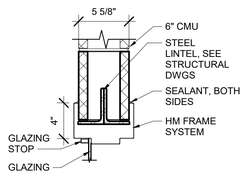
HEAD TYPES

SEE DETAIL 2 / A-504



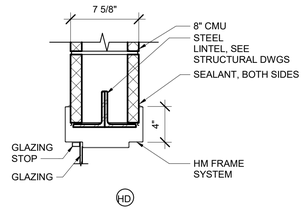
HB

2 GLAZING H.M. HEAD HB
1 1/2" = 1'-0"



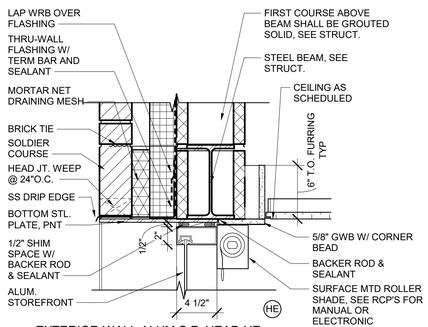
HC

3 GLAZING H.M. HEAD HC
1 1/2" = 1'-0"



HD

4 GLAZING H.M. HEAD HD
1 1/2" = 1'-0"



HE

5 EXTERIOR WALL ALUM S.F. HEAD HE
1 1/2" = 1'-0"

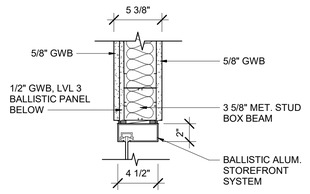
SEE DETAIL 3 / A-500

HK

SEE DETAIL 2 / A-505

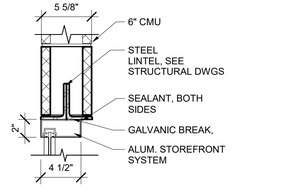
HF

HG



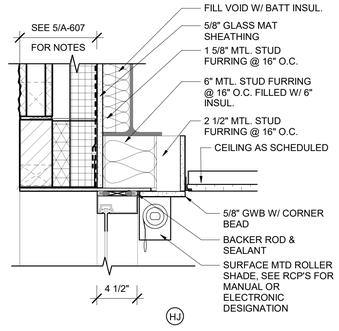
HH

8 GLAZING S.F. ALUM HEAD HH
1 1/2" = 1'-0"



HI

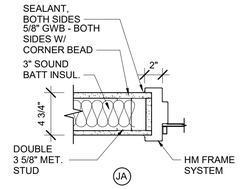
9 GLAZING S.F. ALUM HEAD HI
1 1/2" = 1'-0"



HJ

31 GLAZING S.F. ALUM HEAD HJ
1 1/2" = 1'-0"

JAMB TYPES



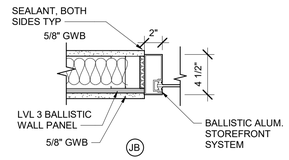
JA

10 GLAZING H.M. ALUM JAMB JA
1 1/2" = 1'-0"

SEE DETAIL 7 / A-510

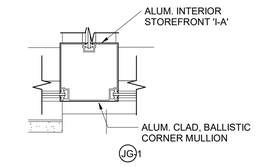
JF

15 GLAZING S.F. CORNER COLUMN JAMB JF
1 1/2" = 1'-0"



JB

11 GLAZING S.F. HM JAMB JB
1 1/2" = 1'-0"



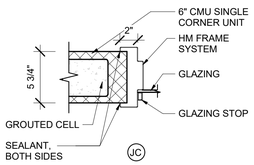
JG1

16 GLAZING S.F. COLUMN JAMB JG-1
1 1/2" = 1'-0"

SEE DETAIL 3 / A-507

JO

17 GLAZING S.F. ALUM JAMB JO
1 1/2" = 1'-0"



JC

12 GLAZING H.M. JAMB JC
1 1/2" = 1'-0"

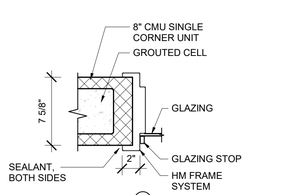
SEE DETAIL 6 / A-510

JG2

SEE DETAIL 3 / A-510

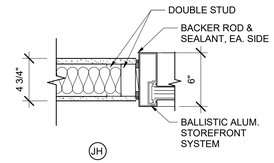
JL

21 GLAZING S.F. ALUM JAMB JL
1 1/2" = 1'-0"



JD

13 GLAZING H.M. JAMB JD
1 1/2" = 1'-0"



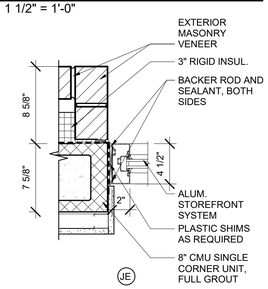
JH

18 GLAZING S.F. ALUM JAMB JH
1 1/2" = 1'-0"

SEE DETAIL 5 / A-510

JM

22 GLAZING S.F. ALUM JAMB JM
1 1/2" = 1'-0"

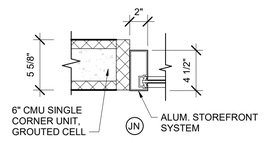


JE

14 EXTERIOR WALL ALUM WINDOW JAMB JE
1 1/2" = 1'-0"

SEE DETAIL 4 / A-510

JK

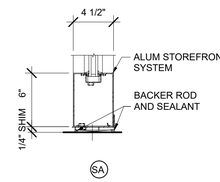


JN

19 BALLISTIC S.F. ALUM JAMB JK
1 1/2" = 1'-0"

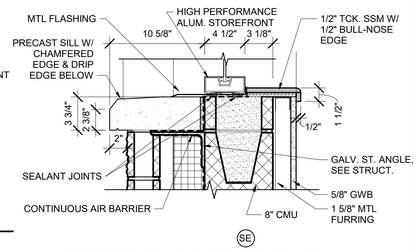
23 GLAZING S.F. ALUM JAMB JN
1 1/2" = 1'-0"

SILL TYPES



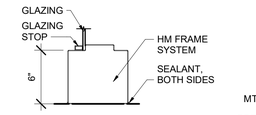
SA

24 ALUM GLAZING S.F. SILL SA
1 1/2" = 1'-0"



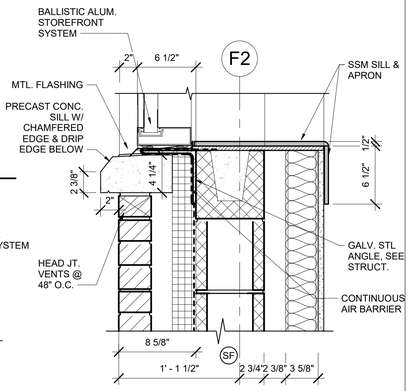
SE

28 EXTERIOR WALL ALUM. WINDOW SILL SE
1 1/2" = 1'-0"



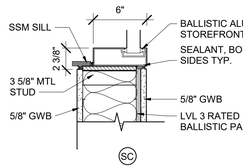
SB

25 GLAZING H.M. SILL SB
1 1/2" = 1'-0"



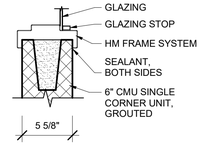
SF

29 ALUM S.F. BRICK SILL SF
1 1/2" = 1'-0"



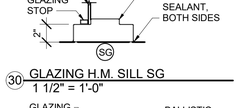
SC

26 GLAZING S.F. ELEVATED SILL SC
1 1/2" = 1'-0"



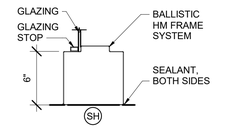
SD

27 GLAZING S.F. ELEVATED SILL SD
1 1/2" = 1'-0"



SG

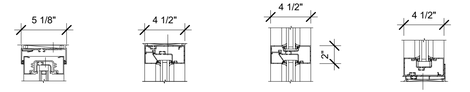
30 GLAZING H.M. SILL SG
1 1/2" = 1'-0"



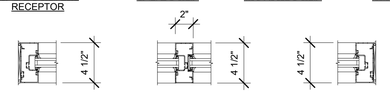
SH

20 GLAZING H.M. SILL SH
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\dwg\Documents\2213931-BC OC Essex Police Station DD_dwgQ2AN8.rvt

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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 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:			

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1 1/2" = 1'-0"
			PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DESIGNED BY:	DRAWN BY:	CHECKED 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

ESSEX POLICE PRECINCT - 11

WINDOW DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

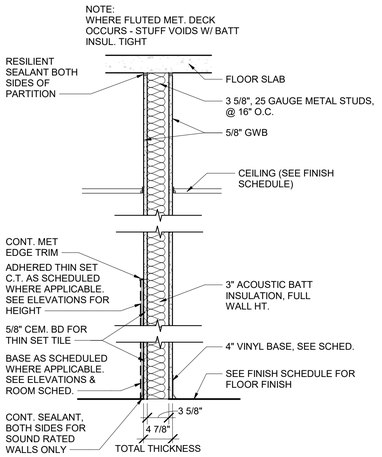
Murphy & Dittenhafer ARCHITECTS

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

226 West Market Street, York, Pennsylvania 17401 717-846-6627 voice 717-840-2486 fax

DWG FILENAME:

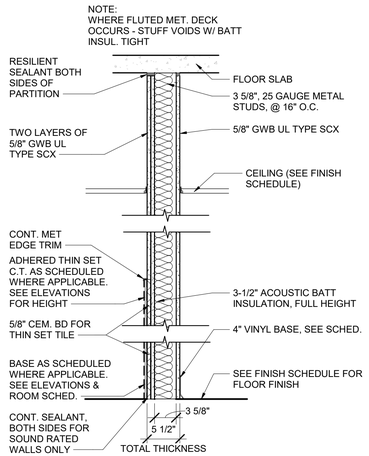
SHEET DESIGNATION	CONTRACT NUMBER
A-607	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 165 OF 295
	DRAWING NUMBER
	2025-1056
	FILE NO.: 8 REV: 0502



A SERIES - MTL STUDS

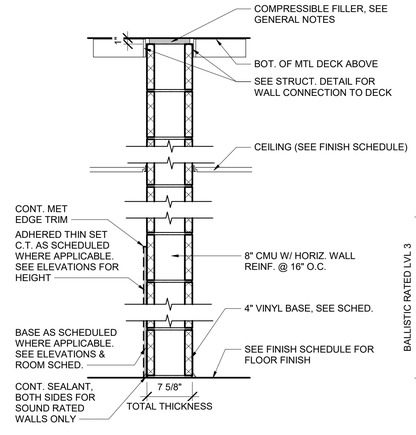
A.1 AS SHOWN - **MIN. STC RATING = 45**
A.2 AS SHOWN, BUT **WITH** SOUND BATT, & TYPE XP GWB ON CORRIDOR SIDE.
A.3 AS SHOWN, BUT **WITHOUT** SOUND BATT, GWB ON ONE SIDE ONLY.
A.4 AS SHOWN, BUT **WITH** SOUND BATT, GWB ON ONE SIDE ONLY.
A.5 AS SHOWN, BUT 6" STUD (NO BATT INSUL.)
A.6 AS SHOWN, BUT 6" STUD WITH GWB ON ONE SIDE ONLY.

NOTE: PROVIDE HORIZ. STUD CHANNEL BRACING AS DETERMINED BY STUD MFR FOR STUD HEIGHT AS REQUIRED BY MFR.



AF - MTL STUDS

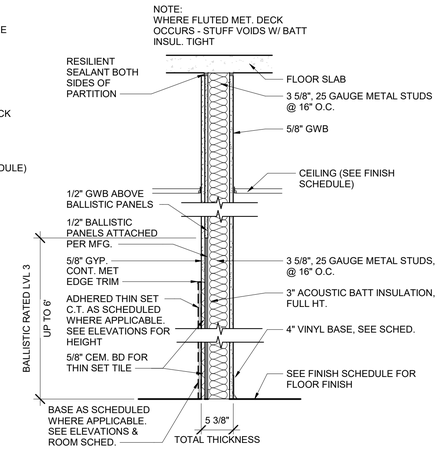
A.F AS SHOWN, 1-HR FIRE RATED PER UL #U419 STC =51



B SERIES - CONCRETE MASONRY UNITS

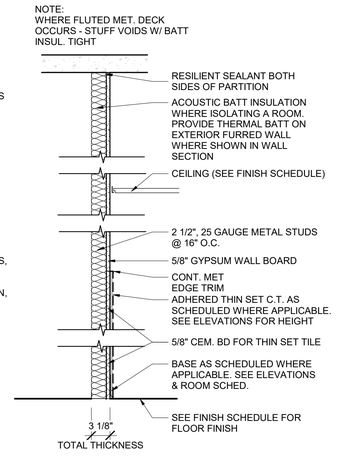
B.1 AS SHOWN ABOVE - BUT 6" CMU HOLLOW - **MIN. STC 45**
B.2 AS SHOWN ABOVE - 8" CMU HOLLOW.
B.3 AS SHOWN ABOVE - 8" CMU GROUTED SOLID, SEE STRUCT.
B.4 AS SHOWN ABOVE - 8" CMU HOLLOW, BUT WITH 2 1/2" MTL. FURRING WITH ONE LAYER OF TYPE X 5/8" GWB ON ROOM SIDE.
B.5 AS SHOWN ABOVE - 8" CMU GROUTED, BUT WITH 2 1/2" MTL. FURRING WITH ONE LAYER OF TYPE X 5/8" GWB 6" ABOVE FIN. CEIL.
B.6 AS SHOWN ABOVE - 10" CMU HOLLOW.

NOTE: REFER TO CODE PLANS (DWG. CS-4) 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

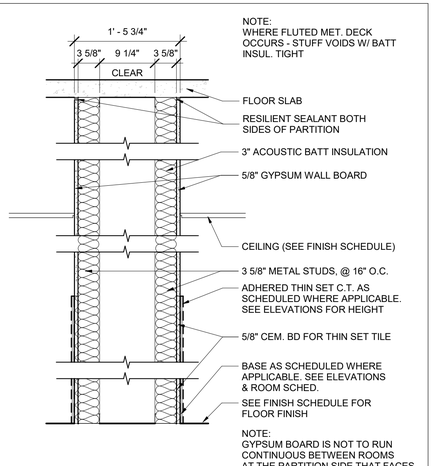
C.1 AS SHOWN ABOVE - 3 5/8" MTL STUD WITH BALLISTIC LVL 3.
C.2 AS SHOWN ABOVE - BUT 6" MTL STUD WITH BALLISTIC LVL 3.



D SERIES - FURRING:

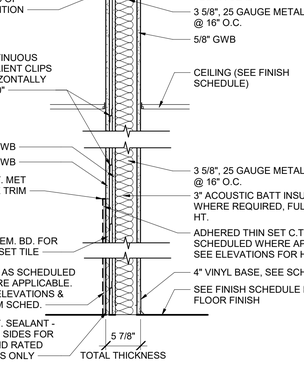
D.1 AS SHOWN ABOVE.
D.2 AS SHOWN ABOVE, BUT WITH 1 5/8" MTL STUD.
D.3 AS SHOWN ABOVE, BUT WITH 1 5/8" MTL STUD & 2 LAYERS OF 5/8" GWB.
D.4 AS SHOWN ABOVE, BUT WITH ADD'T. 7/8" HAT CHANNELS ATTACHED TO SUBSTRATE
D.F AS SHOWN WITH THIS MODIFICATION: TYPE C OR TYPE X GWB FOR UL DESIGN #X528

NOTE: USE MOLD RESISTANT GWB IN BASEMENT LEVEL



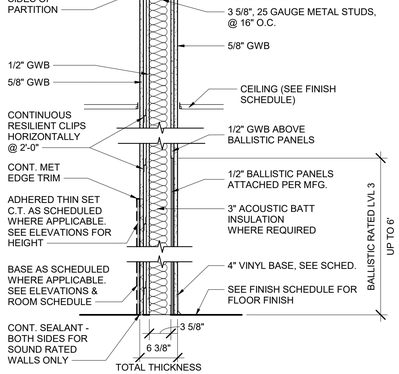
H SERIES - PLUMBING CHASE WALLS:

H.1 AS SHOWN ABOVE.
H.2 AS SHOWN ABOVE, BUT 4 3/4" CLEAR BETWEEN STUDS.



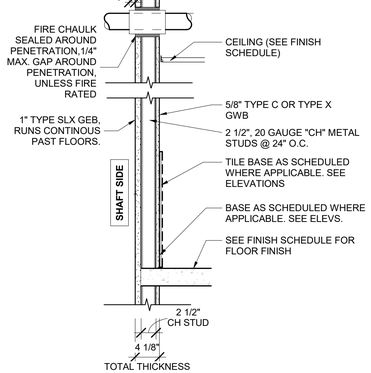
E SERIES - MTL STUDS

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**
G.2 G.1 AS SHOWN ABOVE, BUT WITH 4" C-H STUDS - 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
   LEVEL 4 & COVERED IN 09 29 00 GYPSUM BOARD.
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. USED IN BASEMENT LEVEL FOR PERIMETER FURRING.

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.

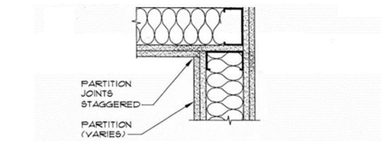
LEVEL 5 FINISH GWB:
ALL PANEL SURFACE THAT WILL BE EXPOSED TO VIEW WALLS IN THE LOBBY & COMMUNITY RM. ALL OTHERS ARE LEVEL 4 & COVERED IN 09 29 00 GYPSUM BOARD.

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. NOT SHOWN FOR LIGHT GAUGE STUD WALLS, ONLY STRUCTURAL GAUGE.
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 PER U.L. DESIGN FOR THE MATERIAL AND SIZE OF PENETRATION.
9. ALL PARTITIONS & WALLS SHALL EXTEND FULL HEIGHT TO THE FLOOR OR ROOF DECK ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE.
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 PER U.L. DESIGN 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 AS WELL W/ FIRE RATED GWB & FURRING.
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 PARITTIONS. CENTER PIPES IN PARITION 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 PARITITIONS.



NOTES:
1. THIS DETAIL IS APPLICABLE TO ALL GYPSUM BOARD PARTITIONS.
2. SEE DRAWINGS FOR SCHEDULED PARTITIONS AND LOCATIONS.
3. GYPSUM BOARD IS NOT TO RUN CONTINUOUS BETWEEN ROOMS AT THE PARTITION SIDE THAT FACES TOWARD EACH ROOM.



NOTES:
1. THIS DETAIL IS APPLICABLE TO ALL GYPSUM BOARD PARTITIONS.
2. SEE DRAWINGS FOR SCHEDULED PARTITIONS AND LOCATIONS.
3. GYPSUM BOARD IS NOT TO RUN CONTINUOUS BETWEEN ROOMS AT THE PARTITION SIDE THAT FACES TOWARD EACH ROOM.

TYPICAL ACOUSTIC DETAILS

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4974 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2446 fax

DWG. FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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
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.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

INTERIOR PARTITION TYPES

RENOVATION & ADDITION

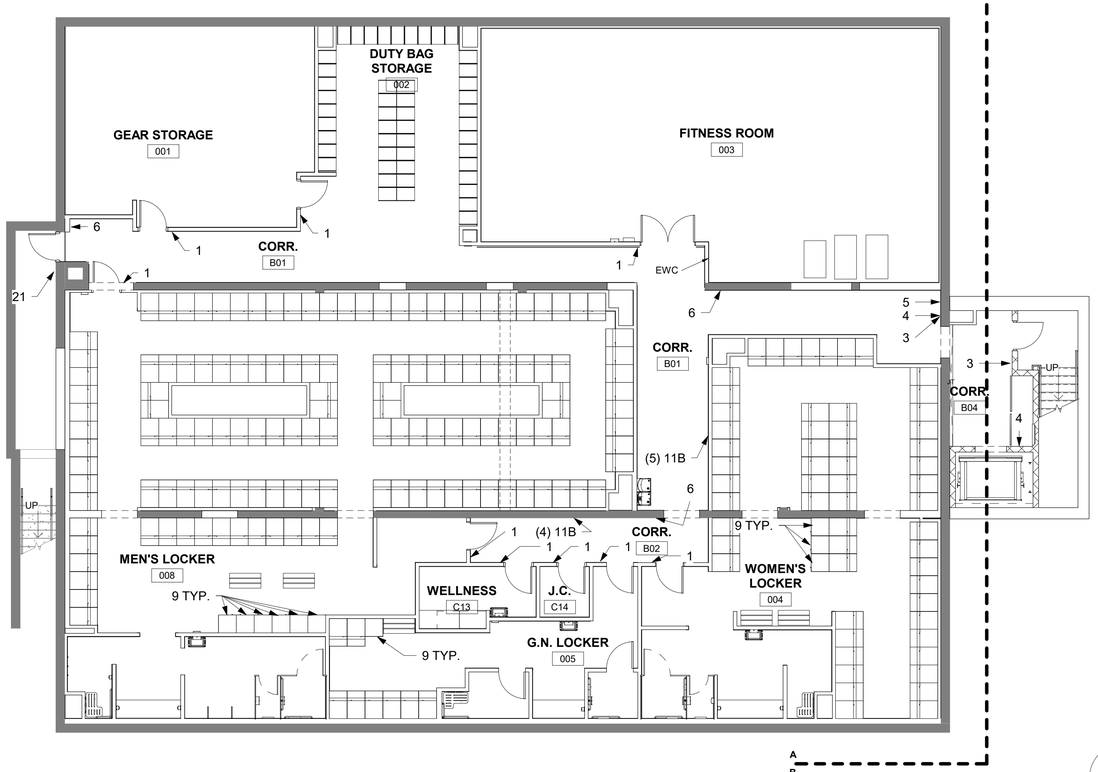
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

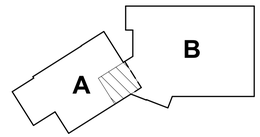
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
A-608	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 166 OF 295	
DRAWING NUMBER	2025-1057
FILE NO.: 8	REV: 0.00



1 ENLARGED LOWER LEVEL PLAN - SIGNAGE
1/8" = 1'-0"

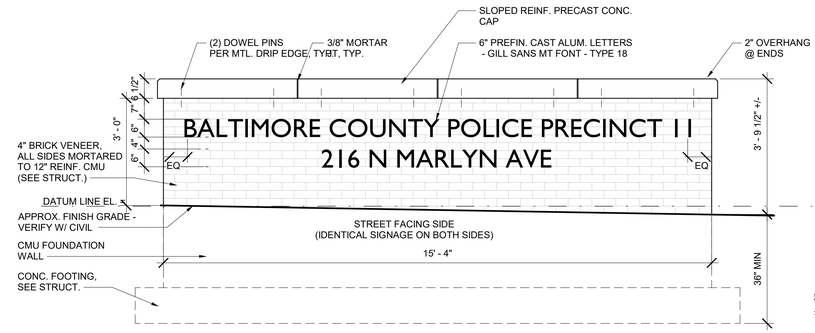


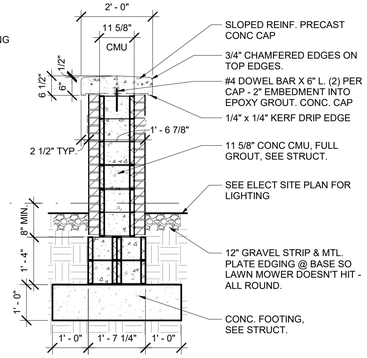
SIGNAGE SCHEDULE - LOWER LEVEL

ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
BASEMENT FLOOR			
001	GEAR STORAGE	1	GEAR STORAGE
002	DUTY BAG STORAGE	-	
003	FITNESS ROOM	1	GYM
004	WOMEN'S LOCKER	1	WOMEN'S LOCKER ROOM
005	G.N. LOCKER	1	GENDER NEUTRAL LOCKER ROOM
005A	G.N.-WC	-	
005B	G.N. SHOWER	-	
008	MEN'S LOCKER	8A	MEN'S LOCKER ROOM
B00	ELEV.	4	ELEVATOR
B01	CORR.	-	
B02	CORR.	-	
B03	STAIR	3	STAIRS
B04	CORR.	-	
C11	CORR.	-	
C13	WELLNESS	1	WELLNESS
C14	J.C.	1	JANITOR'S CLOSET

SIGNAGE NOTES

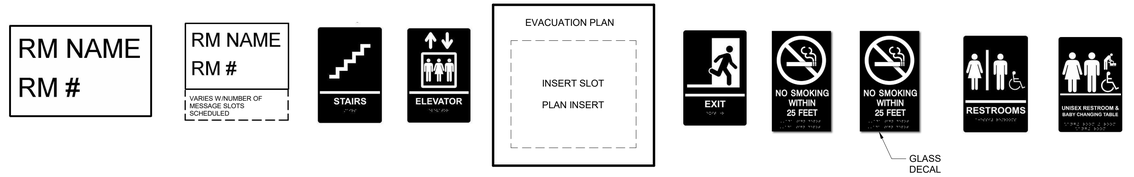
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2. REFER TO ROOM SIGNAGE SCHEDULE FOR TYPICAL SIGNAGE. ALL COPY FOR PRODUCTION IS TO BE APPROVED BY OWNER/USER BEFORE SUBMITTAL IS APPROVED, (REF) IN SCHEDULE IS FOR REFERENCE ONLY AND IS NOT CONSIDERED COPY.



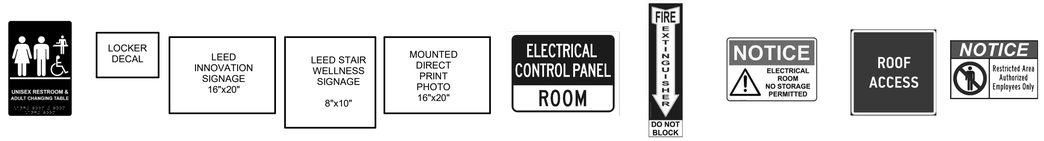


(SEE CIVIL & LANDSCAPE DWGS FOR MONUMENT ENTRY SIGN LOCATION)

2 MONNUMENT ENTRY SIGN
1/2" = 1'-0"



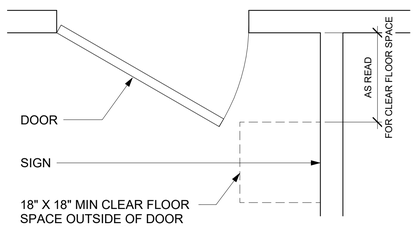
TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6 TYPE 7A TYPE 7B TYPE 8A TYPE 8B



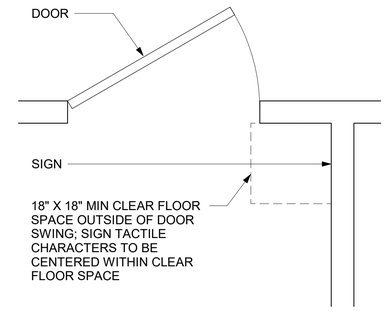
TYPE 8C TYPE 9 TYPE 10 TYPE 11A TYPE 11B TYPE 12 TYPE 13 TYPE 14 TYPE 15 TYPE 21

NOTE: SIGNAGE TYPES NOT TO SCALE. SIGNS SHOWN REPRESENT TYPICAL SIGNAGE, NOT ALL SIGN TYPES ARE SHOWN. SEE ELEVATIONS AND SPECIFICATIONS. ALL SIGNAGE SHOWN ON GLASS SURFACES SHALL HAVE A BLANK SIGN, SAME COLOR/SIZE PLACED ON OPPOSITE SIDE OF GLASS.

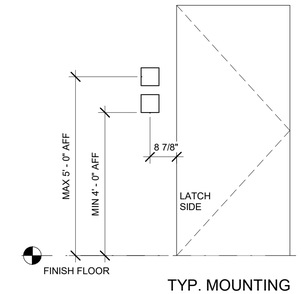
SIGNAGE LEGEND
12" = 1'-0"



SIGNAGE MOUNTING - 1



SIGNAGE MOUNTING - 2



TYP. MOUNTING

DOOR SIGN MOUNTING HEIGHTS
1/2" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3486 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
A-609	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 167 OF 295
	DRAWING NUMBER
	2025-1058
	FILE NO.: 8 REV. 03/22

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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. | ISW | 7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ROOM/SIGNAGE SCHEDULE

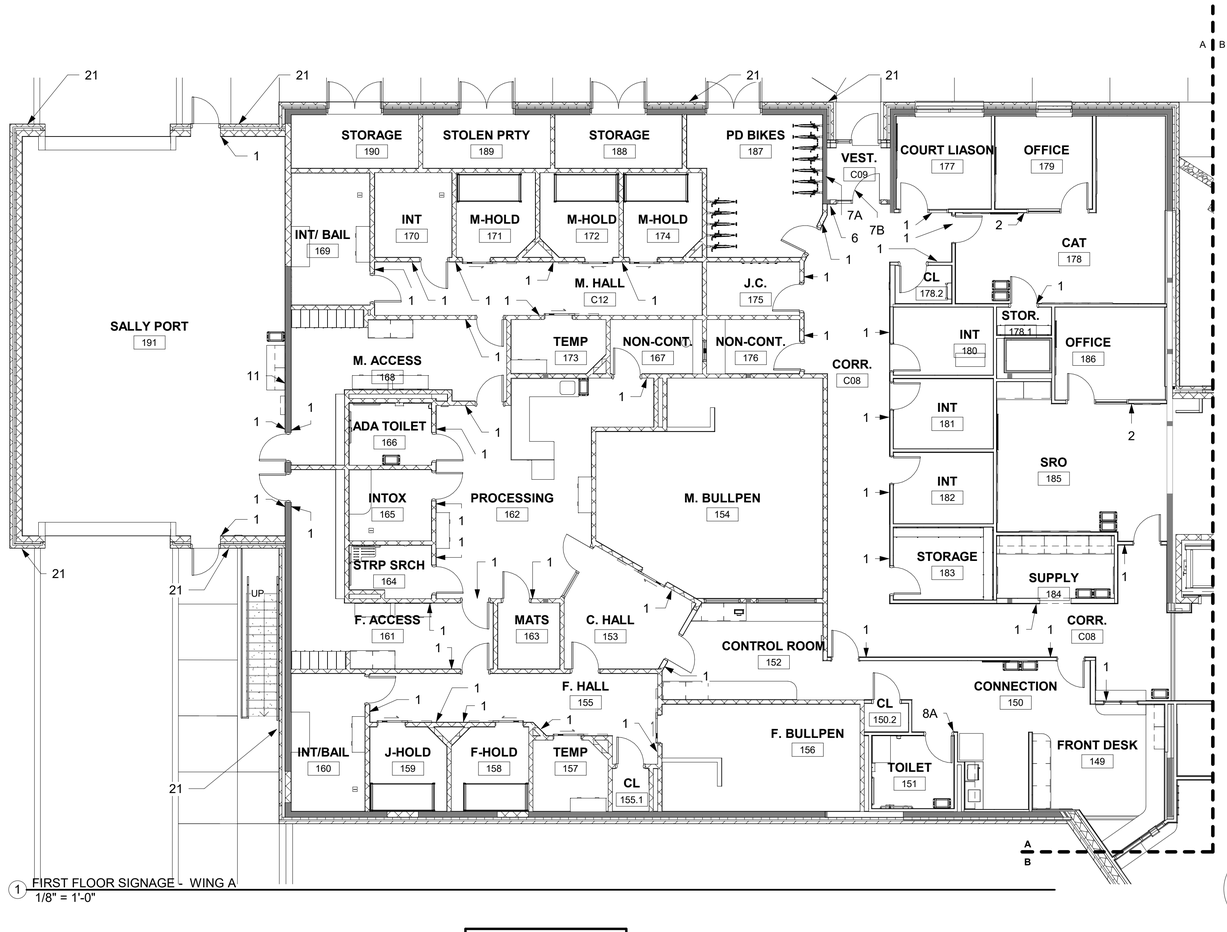
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

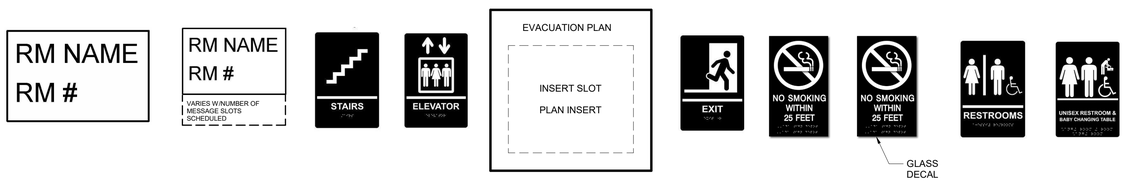


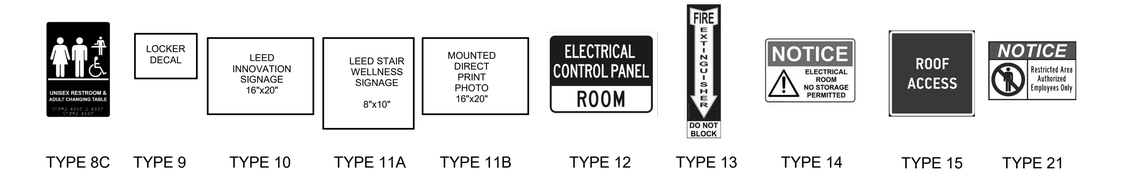
1 FIRST FLOOR SIGNAGE - WING A
1/8" = 1'-0"

SIGNAGE SCHEDULE - FIRST FLOOR PLAN			
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
FIRST FLOOR			
100	LOBBY	-	-
102	INT.	1	INTERVIEW
103	INT.	1	INTERVIEW
104	REST.	8B	RESTROOM
105	REST.	8A	RESTROOM
106	COMMUNITY	1, (2) 20	COMMUNITY ROOM
106.1	STORAGE	-	-
107	BREAK ROOM	1	BREAK ROOM
108	IT	1	IT
109	OIT OFFICE	2	OFFICE OIT
110	J.C.	1	JANITOR'S CLOSET
111	WORK RM		
112A	MAIN ELEC.	12	NOTICE: ELECTRICAL ROO. NO STORGAE PERMITTED
112B	EM. ELEC		
113	MECHANICAL	1	MECHANICAL ROOM
114	DETECTIVES	1	DETECTIVES
114.1	FILES	1	FILE STORAGE
115	OFFICE	2	OFFICE
116	OFFICE	2	OFFICE
117	OFFICE	2	OFFICE
118	SHIFT LEADERS	1	SHIFT LEADERS
119	OFFICE	2	OFFICE
120	SHIFT LEADERS	1	SHIFT LEADERS
121	OFFICE	2	OFFICE
122	ARMORY	1	ARMORY
123	SHIFT LEADERS	1	SHIFT LEADERS
124	OFFICE	2	OFFICE
125	BPI & TRAFFIC	1	BPI/ TRAFFIC
126	OFFICE	2	OFFICE
127	OFFICE	2	OFFICE
128	DVC	2	DVC
129	ROLL CALL	1	ROLL CALL/ MAIL
130	FILES	1	RECORD STORAGE
131	EVIDENCE	1	EXIDENCE STORAGE
132	REPORT	1	REPORT WRITING
133	RECEPT.	-	-
134	WORK STAT.	-	-
135	OFFICE	2	OFFICE
136	OFFICE	2	OFFICE
137	FILES	1	FILE STORAGE
138	LT. OFFICE	2	ASSIST. OFFICE
139	CONFERENCE	1	CONFERENCE
140	CAPT. OFFICE	2	CAPTAIN'S OFFICE
140.1	CL		
141	TOILET	8A	RESTROOM
142	COMM. OUTREACH	1	COMMUNICATIONS OUTREACH
143	OFFICE	2	OFFICE
144	CONFERENCE	1	CONFERENCE
145	G.C.	1	GUN CLEANING
146	REST.	8A	RESTROOM
147	REST.	8A	RESTROOM
148	REST.	8A	RESTROOM
149	FRONT DESK	1	FRONT DESK
150	CONNECTION	1	CONNECTION

SIGNAGE SCHEDULE - FIRST FLOOR PLAN			
ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
150.1	KITCHENETTE		
150.2	CL	-	-
151	TOILET	8A	RESTROOM
152	CONTROL ROOM	1	CONTROL ROOM
153	C. HALL	1	CONTROL HALL
154	M. BULLPEN	1	BULLPEN MALE
155	F. HALL	1	
155.1	CL	-	-
156	F. BULLPEN	1	BULLPEN FEMALE
157	TEMP	1	TEMPORARY HOLDING
158	F-HOLD	1	
159	J-HOLD	1	
160	INT/BAIL	1	INTERVIEW/ BAIL
161	F. ACCESS	1	
162	PROCESSING	1	PROCESSING
163	MATS	1	
164	STRP SRCH	1	STRIP SEARCH
165	INTOX	1	INTOXICATED HOLDING
166	ADA TOILET	8A	RESTROOM
167	NON-CONT.	1	
168	M. ACCESS	1	
169	INT/ BAIL	1	INTERVIEW/ BAIL
170	INT	1	INTERVIEW
171	M-HOLD	1	MALE HOLDING CELL
172	M-HOLD	1	COMMUNITY ROOM
173	TEMP	1	TEMPORARY HOLDING
174	M-HOLD	1	MALE HOLDING CELL
175	J.C.	1	JANITOR'S CLOSET
176	NON-CONT.	1	
177	COURT LIASON	1	COURT LIASON
178	CAT	1	C.A.T.
178.1	STOR.	1	STORAGE
178.2	CL	-	-
179	OFFICE	2	OFFICE
180	INT	1	INTERVIEW
181	INT	1	INTERVIEW
182	INT	1	INTERVIEW
183	STORAGE	1	STORAGE
184	SUPPLY	-	-
185	SRO	1	SRO
186	OFFICE	2	OFFICE
187	PD BIKES	-	-
188	STORAGE	1	STORAGE
189	STOLEN PRTY	1	STORAGE
190	STORAGE	1	STOLEN PROPERTY
191	SALLY PORT	1	SALLY PORT
C01	VESTIBULE	-	-
C02	VEST.	-	-
C03	CORR.	-	-
C04	CORR.	-	-
C05	CORR.	-	-
C07	STAIR	4, (4) 11B	STAIRS
C08	CORR.	-	
C08	ELEV.	4	ELEVATOR
C09	VEST.	-	-
C10	BODY CAM CHARGING STATION	-	-
C12	M. HALL	1	
S02	STAIR	3	STAIRS

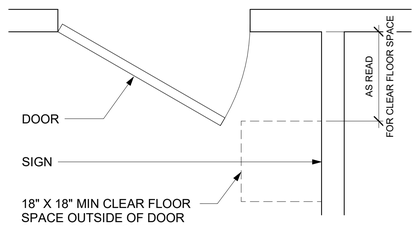
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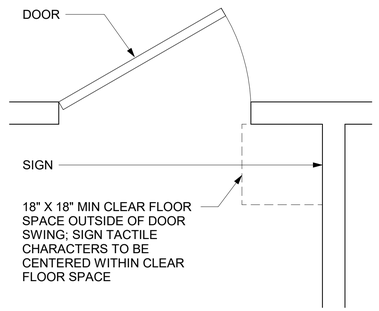


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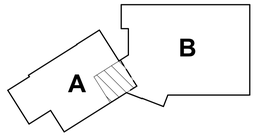
SIGNAGE LEGEND

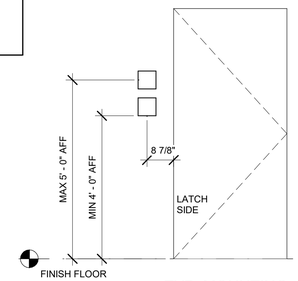


SIGNAGE MOUNTING - 1



SIGNAGE MOUNTING - 2





TYP. MOUNTING

DOOR SIGN MOUNTING HEIGHTS
1/2" = 1'-0"

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Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2446 fax

DWG FILENAME:

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE: JULY 14, 2025

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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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ROOM/SIGNAGE SCHEDULE

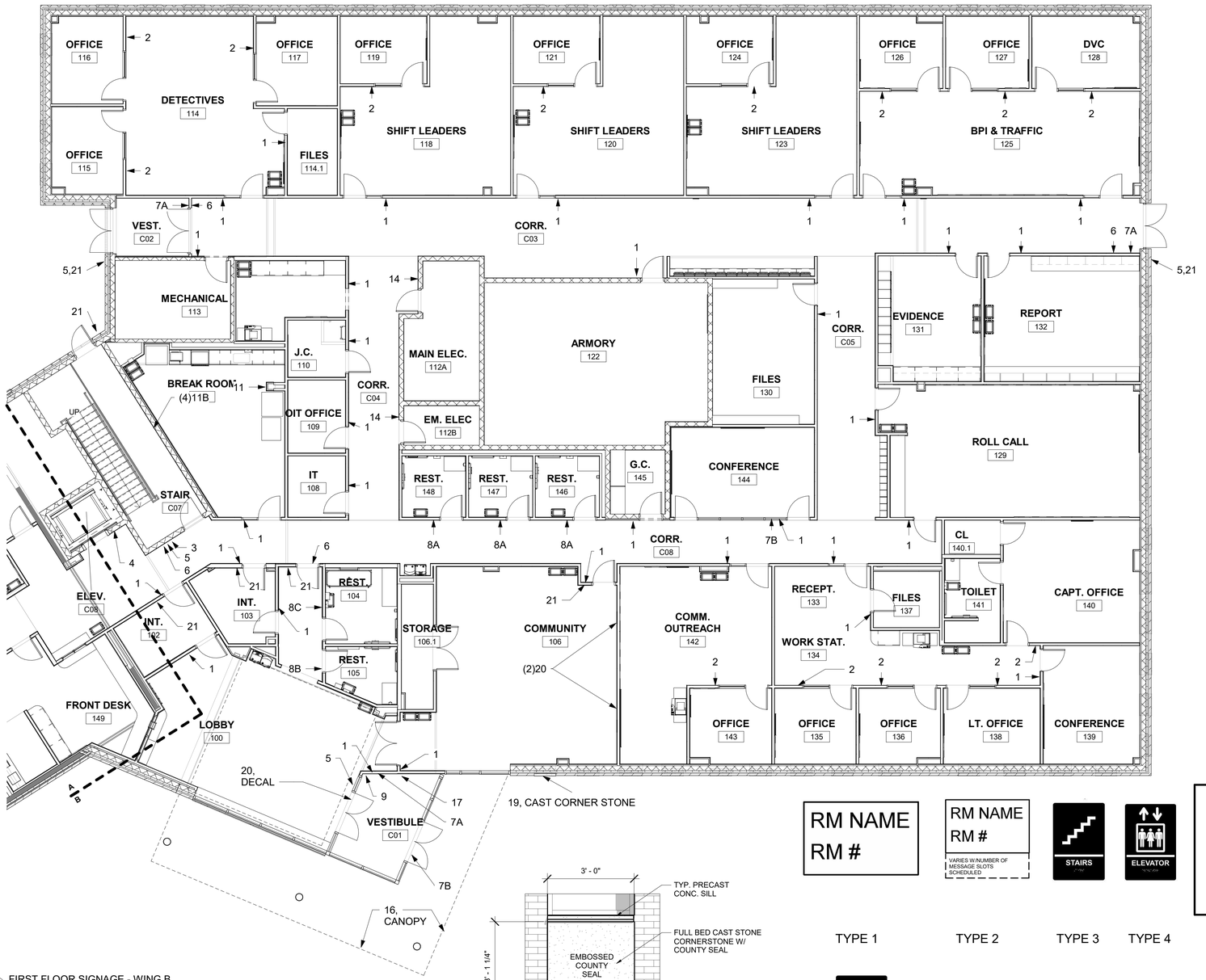
RENOVATION & ADDITION

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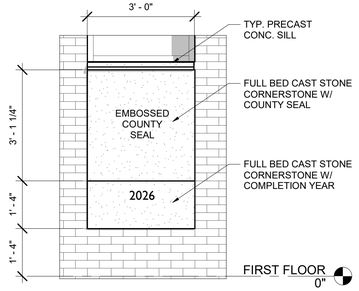
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-610	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 168 OF 295
	DRAWING NUMBER
	2025-1059
	FILE NO.: 8 REV: 0.0.0



1 FIRST FLOOR SIGNAGE - WING B
1/8" = 1'-0"



2 CORNER STONE SIGN & SEAL
1/2" = 1'-0"

SIGNAGE SCHEDULE - FIRST FLOOR PLAN

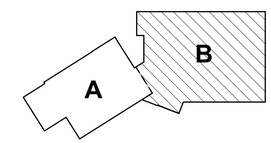
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106.1	STORAGE	-	-
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108	IT	1	IT
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117	OFFICE	2	OFFICE
118	SHIFT LEADERS	1	SHIFT LEADERS
119	OFFICE	2	OFFICE
120	SHIFT LEADERS	1	SHIFT LEADERS
121	OFFICE	2	OFFICE
122	ARMORY	1	ARMORY
123	SHIFT LEADERS	1	SHIFT LEADERS
124	OFFICE	2	OFFICE
125	BPI & TRAFFIC	1	BPI/ TRAFFIC
126	OFFICE	2	OFFICE
127	OFFICE	2	OFFICE
128	DVC	2	DVC
129	ROLL CALL	1	ROLL CALL/ MAIL
130	FILES	1	RECORD STORAGE
131	EVIDENCE	1	EXIDENCE STORAGE
132	REPORT	1	REPORT WRITING
133	RECEPT.	-	-
134	WORK STAT.	-	-
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143	OFFICE	2	OFFICE
144	CONFERENCE	1	CONFERENCE
145	G.C.	1	GUN CLEANING
146	REST.	8A	RESTROOM
147	REST.	8A	RESTROOM
148	REST.	8A	RESTROOM
149	FRONT DESK	1	FRONT DESK
150	CONNECTION	1	CONNECTION

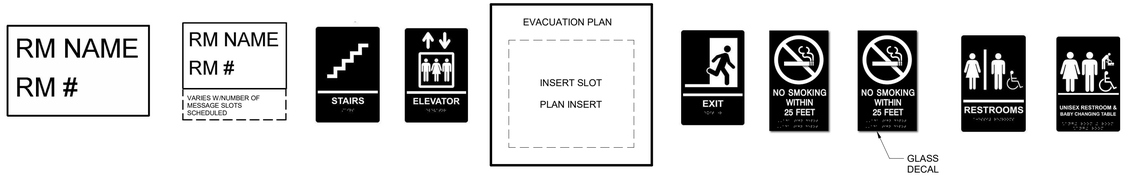
SIGNAGE SCHEDULE - FIRST FLOOR PLAN

ROOM NUMBER	ROOM NAME	SIGNAGE TYPE	SIGN TO READ
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150.2	CL	-	-
151	TOILET	8A	RESTROOM
152	CONTROL ROOM	1	CONTROL ROOM
153	C. HALL	1	CONTROL HALL
154	M. BULLPEN	1	BULLPEN MALE
155	F. HALL	1	
155.1	CL	-	-
156	F. BULLPEN	1	BULLPEN FEMALE
157	TEMP	1	TEMPORARY HOLDING
158	F-HOLD	1	
159	J-HOLD	1	
160	INT/BAIL	1	INTERVIEW/ BAIL
161	F. ACCESS	1	
162	PROCESSING	1	PROCESSING
163	MATS	1	
164	STRP SRCH	1	STRIP SEARCH
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166	ADA TOILET	8A	RESTROOM
167	NON-CONT.	1	
168	M. ACCESS	1	
169	INT/ BAIL	1	INTERVIEW/ BAIL
170	INT	1	INTERVIEW
171	M-HOLD	1	MALE HOLDING CELL
172	M-HOLD	1	COMMUNITY ROOM
173	TEMP	1	TEMPORARY HOLDING
174	M-HOLD	1	MALE HOLDING CELL
175	J.C.	1	JANITOR'S CLOSET
176	NON-CONT.	1	
177	COURT LIASON	1	COURT LIASON
178	CAT	1	C.A.T.
178.1	STOR.	1	STORAGE
178.2	CL	-	-
179	OFFICE	2	OFFICE
180	INT	1	INTERVIEW
181	INT	1	INTERVIEW
182	INT	1	INTERVIEW
183	STORAGE	1	STORAGE
184	SUPPLY	-	-
185	SRO	1	SRO
186	OFFICE	2	OFFICE
187	PD BIKES	-	-
188	STORAGE	1	STORAGE
189	STOLEN PRTY	1	STORAGE
190	STORAGE	1	STOLEN PROPERTY
191	SALLY PORT	1	SALLY PORT
C01	VESTIBULE	-	-
C02	VEST.	-	-
C03	CORR.	-	-
C04	CORR.	-	-
C05	CORR.	-	-
C07	STAIR	4, (4) 11B	STAIRS
C08	CORR.	-	
C08	ELEV.	4	ELEVATOR
C09	VEST.	-	-
C10	BODY CAM CHARGING STATION	-	-
C12	M. HALL	1	
S02	STAIR	3	STAIRS

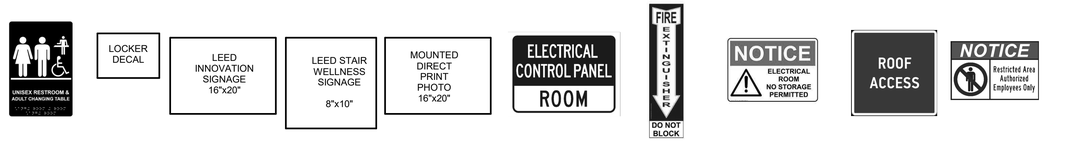
SIGNAGE NOTES

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 11) 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.





TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6 TYPE 7A TYPE 7B TYPE 8A TYPE 8B



TYPE 8C TYPE 9 TYPE 10 TYPE 11A TYPE 11B TYPE 12 TYPE 13 TYPE 14 TYPE 15 TYPE 21

SIGNAGE LEGEND

NOTE: SIGNAGE TYPES NOT TO SCALE. SIGNS SHOWN REPRESENT TYPICAL SIGNAGE, NOT ALL SIGN TYPES ARE SHOWN. SEE ELEVATIONS AND SPECIFICATIONS. ALL SIGNAGE SHOWN ON GLASS SURFACES SHALL HAVE A BLANK SIGN, SAME COLOR/SIZE PLACED ON OPPOSITE SIDE OF GLASS.

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SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 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
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. | ISW | 7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

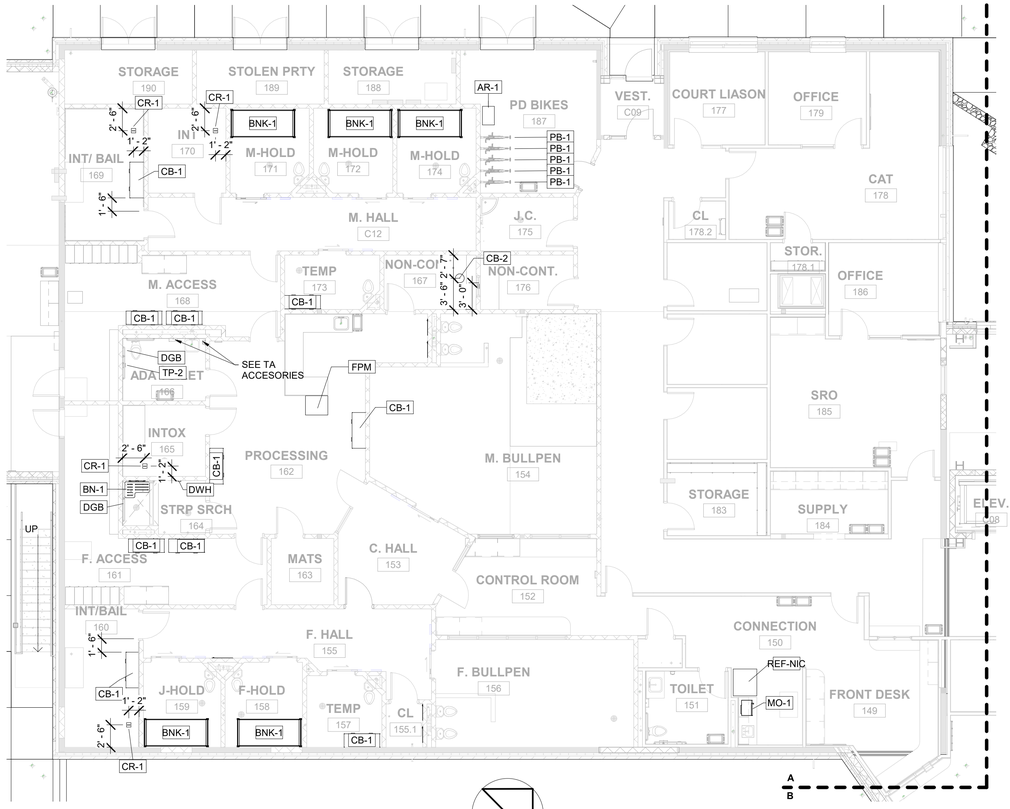
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ROOM/SIGNAGE SCHEDULE
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4614 fax
226 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-845-2446 fax

DWG. FILENAME

SHEET DESIGNATION	CONTRACT NUMBER
A-611	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 169 OF 295
	DRAWING NUMBER
	2025-1060
	FILE NO.: 8 REV. 03/03



1 PARTIAL FLOOR PLAN - PART A - DETENTION EQUIPMENT
1/8" = 1'-0"

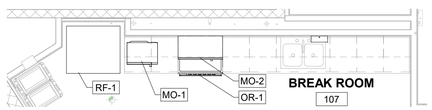


2 PARTIAL REFLECTED CEILING PLAN - PART A - DETENTION EQUIPMENT - MIRROR DOMES
1/8" = 1'-0"

NOTE: GC TO COORD. W/ OWNER FOR LOCATION OF CCTV CAMERA LOCATIONS TO NOT CONFLICT WITH LOCATION OF THE DOME SPY MIRRORS



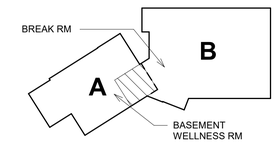
3 PARTIAL FLOOR PLAN - PART A - WELLNESS RM C13 APPLIANCES
1/4" = 1'-0"



4 PARTIAL FLOOR PLAN - PART B - BREAK ROOM 107 - APPLIANCES
1/4" = 1'-0"

DETENTION EQUIPMENT SCHEDULE			
Type Mark	Description	Basis of Design	MODEL NUMBER
	Floor Mounted Cuff Ring	KryptoMax	KM-WHCR
BNK-1	Fixed detention grade bunk frame	Norix	B510-160
CB-1	Bench with Cuff Rings		
CB-2	Floor-Mounted Detention Stool	KryptoMax	KM-FMS
CR-1	Floor Mounted Cuff Ring	KryptoMax	KM-WHCR
DGB	Detention Grab Bar, 42", 36", 18"	Norix	IGS-42-3, IGS-36-3, IGS-18-3
DMR	Detention grade ADA wall mirror 11.3"W x 38"H	Norix	R565-420
FPM	Finger Printing Machine, by owner NIC.	NIC	NA
MD-90	18" Mirror - Quarter Dome	Norix	MQD-12
MD-180	18" Mirror - Half Dome	Norix	MHD-24
DWH	Detention grade towel hook 4 strip front mount	Norix	ITS-410
OTHER			
AR-1	4.5 Gal 175 psi AIR COMPRESSOR	HUSKY or EQ	3320445, SEE APPLIANCE SPEC.
PB-1	MTL BIKE WALL MOUNT	STEADYRACK or EQ	SEE INTERIOR WOOD WORK SPEC

RESIDENTIAL APPLIANCE SCHEDULE			
Type Mark	Description	Basis of Design	MODEL NUMBER
MO-1	Counter Top Microwave Oven	General Electric	PES7227SLSS
MO-2	Over Range Microwave Oven	General Electric	JVM3160RFS
OR-1	30" Freestanding Electric Oven Range	General Electric	GRS500PVSS
RF-1	36" French Door Refrigerator w/ Ice Maker	General Electric	GWE19JYLFS
RF-2	1.7 CF Mini Refrigerator, No Freezer	Magic Chef	HMAR170WE



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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4914 fax
229 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2448 fax

DWG FILENAME:

SEAL
ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND
DATE : JULY 14, 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
BY:
DATE: 7/14/2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				ISW	7NE28 7NE29 8NE28 8NE29
			R.O.W NO.		
CONTRACT COMPLETION BOX					

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

ESSEX POLICE PRECINCT - 11

APPLIANCE & EQUIPMENT SCHEDULE

RENOVATION & ADDITION

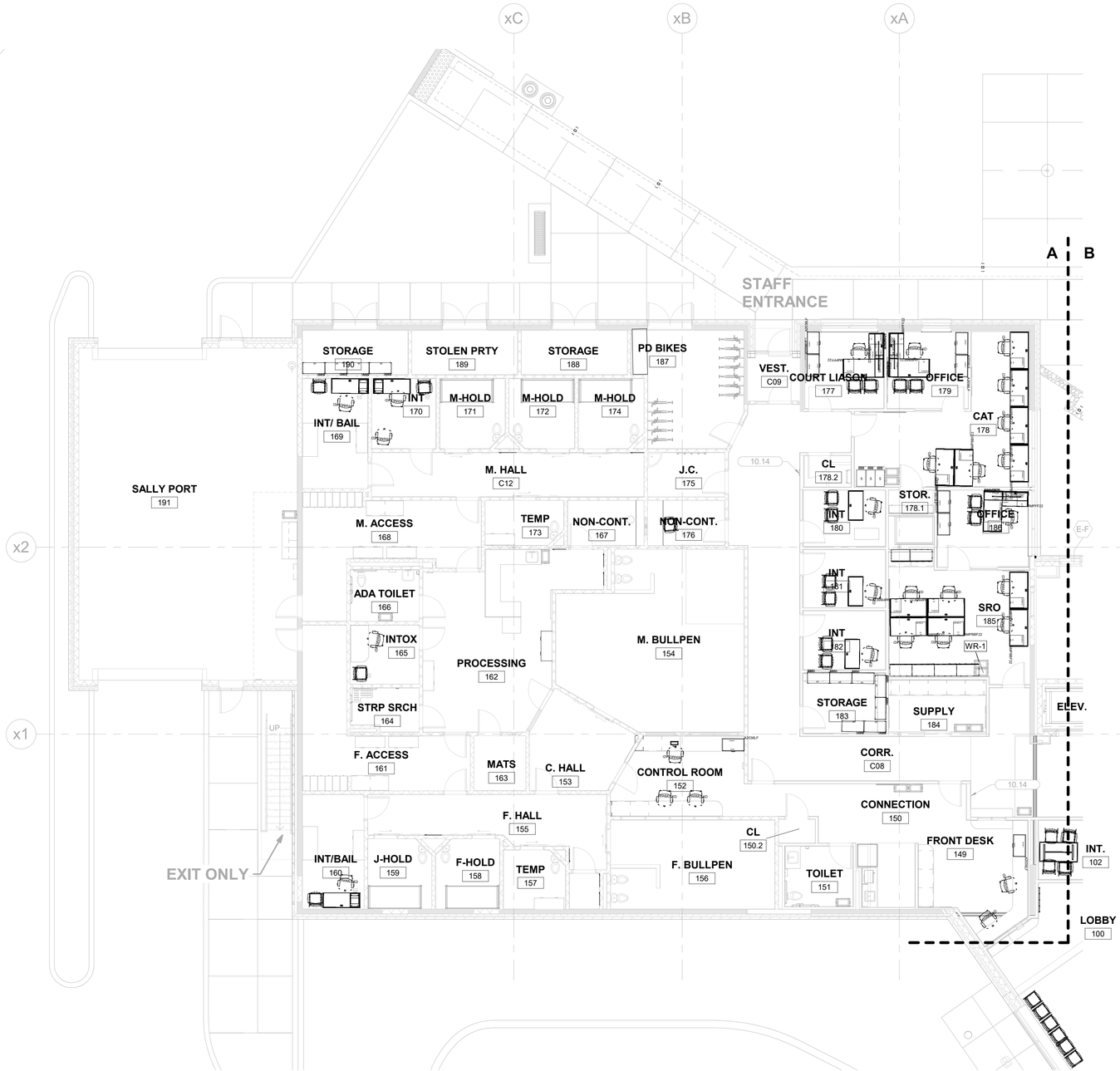
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-620	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 170 OF 295
	DRAWING NUMBER
	2025-1061
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR - ENLARGED FURNITURE PLAN PART A
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

NOTE: ALL FURNITURE IN PLAN IS NOT IN CONCTRACT AND IS SHOWN FOR REF. ONLY. FURNITURE WILL BE PURCHASED BY OWNER IN SEPARATE CONTRACT

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DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201
410-625-4622 Voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401
717-848-6627 Voice 717-843-2446 fax

SEAL: ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025
DATE : JULY 14, 2025

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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.
R.O.W NO.
KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
DRAWING SCALE: PLAN SCALE: 1/8" = 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

ESSEX POLICE PRECINCT - 11

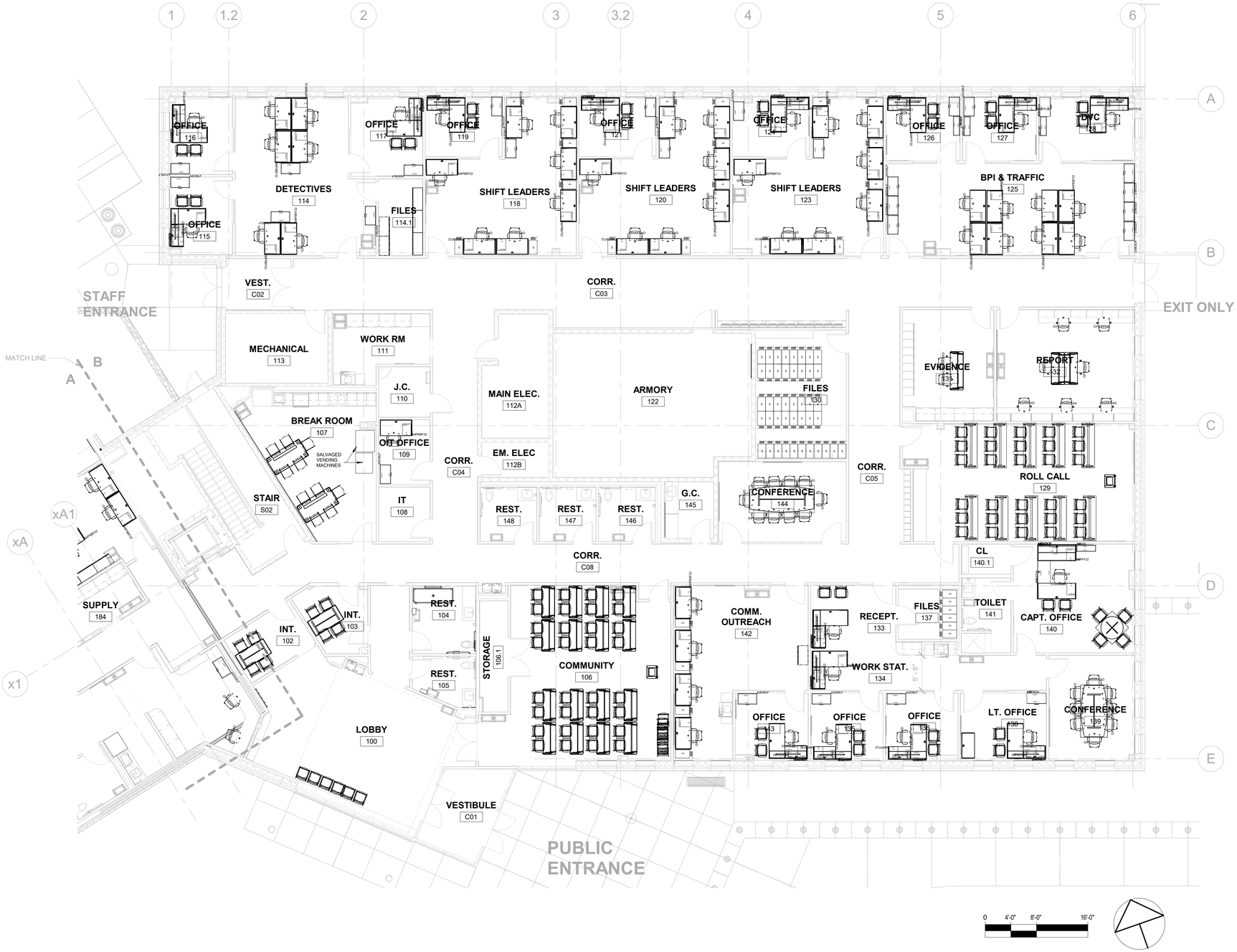
FURNITURE PLAN - FOR REFERENCE ONLY

RENOVATION & ADDITION

SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
A-801	25022 PP0
	JOB ORDER NUMBER: PROJ-10000636
	SHEET 171 OF 295
	DRAWING NUMBER: 2025-1062
	FILE NO.: 8 REV. 03/20

BALTIMORE COUNTY MARYLAND



1 FIRST FLOOR - ENLARGED FURNITURE PLAN PART B
1/8" = 1'-0"

NOTE: ALL FURNITURE IN PLAN IS NOT IN CONCTRACT AND IS SHOWN FOR REF. ONLY. FURNITURE WILL BE PURCHASED BY OWNER IN SEPARATE CONTRACT

SEAL

ARCHITECTURAL REGISTRATION BOARD 6607-A FRANK ELWOOD DITTENHAFER II STATE OF MARYLAND 7/14/2025

DATE : JULY 14, 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 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:	CHKD BY: RLM	DATE REVIEWED:		
DATE:				

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

FURNITURE PLAN - FOR REFERENCE ONLY

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
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226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-840-2448 fax

SHEET DESIGNATION	CONTRACT NUMBER
A-802	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 172 OF 295
	DRAWING NUMBER
	2025-1063
	FILE NO.: 8 REV. 10/22

DWG FILENAME: C:\Users\dwg\Documents\22139A1 - BC OC Essex Police Station DD_dwgQZANS.rvt

GENERAL NOTES

FOUNDATION AND SLAB ON GRADE:

NOTE: 1
FOOTINGS ARE DESIGNED FOR A BEARING CAPACITY OF 2,500 PSF BASED ON THE GEOTECHNICAL REPORT PREPARED BY FINDLING INC. DATED AUGUST 30, 2024 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. A GEOTECHNICAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION SHALL VERIFY THE SOIL BEARING CAPACITY IN THE FIELD. IF FOUND TO BE LESS THAN THE REQUIRED BEARING PRESSURE, THE FOOTINGS WILL HAVE TO BE REDESIGNED.

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):

- FOOTINGS AND PIERS ----- 3,000 PSI
- SLAB ON GRADE ----- 4,000 PSI
- WALLS ----- 4,000 PSI
- SLAB ON METAL DECK----- 4,000 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 F2 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.

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"

NOTE: 7
UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING MINIMUM REINFORCING IN CONCRETE WALLS:

8" WALL: #4 AT 18" VERTICAL EACH FACE
#4 AT 18" HORIZONTAL EACH FACE
#4 AT 18" DOWELS AT WALL CENTERLINE

12" WALL: #4 AT 12" VERTICAL EACH FACE
#4 AT 12" HORIZONTAL EACH FACE
#4 AT 12" DOWELS AT WALL CENTERLINE

NOTE: 8
OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. SEE MEP AND ARCHITECTURAL DRAWINGS FOR HOLES IN SLABS NOT SHOWN.

CONCRETE CONTINUED:

NOTE: 9
CONDUITS IN STRUCTURAL MEMBERS:
a. CONDUITS SHALL ONLY BE PLACED IN THE MIDDLE THIRD OF THE DEPTH OF THE SLAB OR WALL.
b. NO CONDUIT WITH AN OUTSIDE DIAMETER GREATER THAN ONE THIRD OF THE WALL THICKNESS SHALL BE PLACED IN THE SLAB OR WALL.
c. NO CONDUITS SHALL BE PLACED IN THE WALL UNLESS SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS.
d. CONDUITS WHICH CROSS OVER ONE ANOTHER IN A CONCRETE WALL SHALL NOT OCCUPY A TOTAL SPACE AT THE POINT OF CROSSOVER GREATER THAN ONE THIRD THE DEPTH OF THE WALL.
e. NO CONDUITS SHALL BE PLACED IN A PIER.

NOTE: 10
CONSTRUCTION JOINTS IN WALLS 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: 11
CONSTRUCTION JOINTS SHALL HAVE THE SURFACE OF THE FIRST POUR ROUGHENED TO 1/4" AMPLITUDE, UNLESS OTHERWISE NOTED.

NOTE: 12
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: 13
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: 14
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: 15
ALL FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347, "GUIDE TO FORMWORK FOR CONCRETE" (LATEST LOCAL APPROVED EDITION).

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/ACI 530/ASCE 5, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) AND TMS 602/ACI 530.1/ASCE 6, "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.

MASONRY CONTINUED:

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'_m=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 PER TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) REQUIRED QUALITY ASSURANCE LEVEL 3.

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 A 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.

NOTE: 17
TYPICAL INFILLING, REMOVAL AND REPAIR OF EXISTING MASONRY

INFILLING:
WHERE NEW MASONRY IS TO BE ADDED, THE MASONRY SHALL BE TOOTHED AND MORTARED (SEE GUIDELINES FOR "REPAIR"). THE NEW MASONRY SHALL BEAR ON NEW CONCRETE FOUNDATIONS OR ON THE EXISTING MASONRY. IN THE LATER CASE, THE EXISTING MASONRY SHALL BE REMOVED TO GOOD, SOLID MATERIAL. THE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF THE REQUIRED MASONRY INFILL. THIS IS A GUIDE ONLY AND THE EXACT EXTENT SHALL BE DETERMINED BY THE CONTRACTOR BASED ON FIELD CONDITIONS. WHEN THE RESULTING MASONRY WOULD BE PART NEW AND PART EXISTING AND WOULD FORM A PIER OR OTHERWISE SMALL ELEMENT, REMOVE ALL THE EXISTING MASONRY AND MAKE A NEW PIER OR WALL.

REMOVING:
IN THOSE AREAS WHERE NEW OPENINGS MUST BE MADE THROUGH EXISTING MASONRY WALLS, THE EXISTING MASONRY SHALL BE CAREFULLY REMOVED AFTER THE WALL THAT REMAINS ABOVE THE PROPOSED OPENING HAS BEEN TEMPORARILY SUPPORTED OR AFTER THE LINTELS HAVE BEEN PUT IN PLACE. ANY REQUIRED CUTTING BEYOND THE MASONRY OPENING SHALL BE PATCHED WITH MASONRY AND MORTAR (SEE GUIDELINES FOR "REPAIR"). WHEN THE MASONRY THAT REMAINS AFTER REMOVAL WOULD RESULT IN A PIER OR OTHERWISE SMALL ELEMENT, THE EXISTING MASONRY SHALL BE REMOVED AND A NEW PIER OR WALL SHALL BE CONSTRUCTED. THE CONTRACTOR SHALL PROVIDE DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION SHOWING THE SUPPORT OF THE WALLS PRIOR TO AND DURING THE INSTALLATION OF LINTELS REQUIRED TO SUPPORT THE MASONRY ABOVE THE NEW OPENING.

REPAIR:
IN THOSE AREAS WHERE THE EXISTING MASONRY HAS DETERIORATED, SAGGED OR CRACKED, THE MASONRY SHALL BE REMOVED AND REPLACED. EXISTING BRICKS MAY BE RE-USED PROVIDED THAT THEY ARE IN GOOD CONDITION. THE NEW MORTAR USED TO REPLACE THE EXISTING MORTAR SHALL MATCH SOUND EXISTING MORTAR IN STIFFNESS AND CONSISTENCY. IF NEW BRICKS ARE REQUIRED, THEY ALSO SHALL MATCH EXISTING BRICKS IN GOOD CONDITION. THE NEW MASONRY SHALL BE TOOTHED INTO THE EXISTING WALL. THE ARCHITECT SHALL APPROVE ALL NEW MASONRY WORK.

MASONRY CONTROL JOINTS:

NOTE: 1
CONTROL JOINTS IN MASONRY WALLS SHALL CONFORM TO NCMA TEK 10-2C, "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.

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. 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.

STEEL CONTINUED:

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
TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL THE INSTALLATION OF THE FOLLOWING ITEMS HAS BEEN COMPLETED AND INSPECTED:
- METAL ROOF DECK
- 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 50 MINIMUM. ROOF DECK SHALL BE MADE OF STEEL CONFORMING TO ASTM A653 SS GRADE 50. GALVANIZED DECK SHALL HAVE COATING DESIGNATION G60.

NOTE: 3
METAL DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES:

1 1/2", 18 GAGE, TYPE 'B' ROOF DECK:
S_p=0.302 in^3, S_n=0.315 in^3, I_p=0.272 in^4, I_n=0.290 in^4

3", 20 GAGE, TYPE 'N' ROOF DECK:
S_p=0.482 in^3, S_n=0.530 in^3, I_p=0.901 in^4, I_n=1.071 in^4

2", 20 GAGE, COMPOSITE FLOOR DECK
S_p=0.326 in^3, S_n=0.337 in^3, I_p=0.409 in^4, I_n=0.407 in^4

2", 20 GAGE, DOVETAIL ROOF DECK:
S_p=0.390 in^3, S_n=0.346 in^3, I_p=0.511 in^4, I_n=0.437 in^4

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, 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.

SUPPORT FOR DUCTWORK, PIPING AND MECHANICAL UNITS CONTINUED:

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.

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 ANCHORING SYSTEM PER ICC ESR-3187 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-4143/ESR-4144 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 KH-EZ SCREW ANCHOR PER ICC ESR-3056

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 I

GENERAL NOTES CONTINUED

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 = 100 PSF
- ROOFS = 30 PSF

NOTE: 5
THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL FINISHES.

EXISTING CONSTRUCTION:

NOTE: 1
COLUMBIA ENGINEERING INC. PREPARED THESE PLANS BASED ON A LIMITED AMOUNT OF FIELD EXPLORATION AND ON THE STRUCTURAL INFORMATION SHOWN IN DRAWINGS S-1 TO S-3 PREPARED BY LOEWER & ASSOCIATES DATED MARCH 24, 1970. THE EXISTING MEMBER SIZES ARE NOTED (E) AND ARE SHOWN IN THE PLANS. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING MEMBERS SHOWN IN THE PLANS MATCH EXISTING AS BUILT CONDITIONS PRIOR TO PREPARING SHOP DRAWINGS. IF THE AS BUILT CONDITIONS DO NOT CONFORM TO THE INFORMATION SHOWN IN THE PLANS, OR IF ANY STRUCTURAL MEMBER IS FOUND TO BE IN POOR CONDITION, THE CONTRACTOR SHALL INFORM COLUMBIA ENGINEERING INC. OF THE ACTUAL SIZES AND/OR CONDITION. RE-DESIGN AND ADDITIONAL FRAMING MAY BE REQUIRED IN THAT CASE.

NOTE: 2
ALL NEW PENETRATIONS THROUGH THE EXISTING FRAMED FLOORS, ROOFS AND WALLS SHALL BE ACCURATELY LOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS SHOWING ALL PROPOSED OPENINGS AND SHALL SUBMIT THESE FOR REVIEW AND APPROVAL PRIOR TO CUTTING ANY OPENINGS.

NOTE: 3
NEW PENETRATIONS SHOWN IN THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL, MEP AND TELECOMMUNICATION DRAWINGS FOR ALL PENETRATIONS.

NOTE: 4
ALL NEW PIPE AND DUCT PENETRATIONS SHALL BE LOCATED BY THE CONTRACTOR TO AVOID CONCRETE SLAB REINFORCEMENT AND SUPPORTING MEMBERS UNDER THE SLAB OR ROOF. IF CUTTING OF ANY REINFORCEMENT OR EXISTING SUPPORTING MEMBER CANNOT BE AVOIDED, THEN PRIOR TO CUTTING, THE CONTRACTOR SHALL PREPARE A DETAILED DRAWING SHOWING THE PROPOSED PENETRATION AND ALL THE AFFECTED REINFORCEMENT AND SUPPORTING MEMBERS AND SHALL SUBMIT THE DRAWING TO COLUMBIA ENGINEERING INC. FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL NOT CUT ANY REINFORCEMENT OR MEMBER WITHOUT THE PRIOR APPROVAL OF COLUMBIA ENGINEERING, INC.

SELECTIVE DEMOLITION:

NOTE: 1
THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE MEANS AND METHODS OF DEMOLITION AND MAINTAINING THE INTEGRITY AND STABILITY OF THE EXISTING STRUCURE DURING DEMOLITION UNTIL ALL WORK IS COMPLETED.

NOTE: 2
THE CONTRACTOR SHALL PROVIDE SHORINGAND BRACING AS REQUIRED WHERE EXISTING STRUCTURE TO REMAIN WILL BE AFFECTED BY DEMOLITION.

NOTE: 3
COLUMBIA ENGINEERING INC. PREPARED THESE PLANS BASED ON A LIMITED AMOUNT OF FIELD EXPLORATION AND ON THE STRUCTURAL INFORMATION SHOWN IN DRAWINGS S-1 TO S-3 PREPARED BY LOEWER & ASSOCIATES DATED MARCH 24, 1970.

ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING ANY DEMOLTION WORK. IF THE CONTRACTOR FINDS THAT THE CONDITIONS SHOWN IN THE DOCUMENTS DO NOT MATCH THE ACTUAL FIELD CONDITIONS OR IF ANY MEMBERS TO REMAIN ARE FOUND IN POOR STRUCUTRAL CONDITION, THE CONTRACTOR SHALL INFORM THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH ANY DEMOLTION WORK.

NOTE: 4
THE EXACT EXTENT OF DEMOLITION SHALL BE FIELD VERIFIED AT THE SITE BY THE CONTACTOR.

NOTE: 5
THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND MEP DEMOLITION DRAWINGS. IN THE EVENT OF CONFLICTS, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER.

SELECTIVE DEMOLITION CONTINUED:

NOTE: 6
THE CONTRACTOR SHALL USE QUALIFIED, EXPERIENCED PERSONNEL FOR DEMOLITION AND REMOVAL OPERATIONS. DEMOLTION AND REMOVAL SHALL BE PERFORMED IN SAFE, CAREFUL, AND ORDERLY MANNER TO PREVENT HAZARDS TO PERSONS AND DAMAGE TO PROPERTY.

NOTE: 7
NO PORTIONS OF THE STRUCTURE SHALL BE PERMITTED TO FALL. NO DEBRIS SHALL BE ALLOWED TO BE DROPPED EXCEPT BY METHODS WHICH WILL NOT DAMAGE ANY PORTIONS OF THE STRUCTURE THAT REMAINS.

NOTE: 8
DO NOT REMOVE MORE OF THE EXISTING STRUCTURE THAN INDICATED IN THE DRAWINGS. DO NOT DAMAGE OR CUT THE STRUCTURE THAT REMAINS OR MATERIAL TO BE RE-USED.

NOTE: 9
WHERE NEW OPENINGS ARE TO BE CUT THRU EXISTING SLABS AND WALLS, THE DEMOLITION CONTACTOR SHALL CORE HOLES AT CORNERS OF THE NEW OPENING PRIOR TO DEMOLITION. THE CONTRACTOR SHALL THEN SAW CUT BETWEEN THE CORE AND DEMOLISH THE SLAB AND WALL. SAW CUT LINES SHALL BE STRAIGHT AND MUST NOT EXTEND BEYOND THE HOLES CORED AT THE CORNERS OF THE NEW OPENING. SAW CUT WORK SHALL BEGIN AFTER THE INSTALLATION OF ALL REQUIRED NEW STRUCTURAL FRAMING, REINFORCING OR TEMPORARY SHORING.

NOTE: 10
PRIOR TO START OF WORK, THE CONTRACTOR SHALL VERIFY THAT THE SCOPE OF THE DEMOLITION INDICATED ON THE DRAWINGS WILL NOT DAMAGE, CUT OR DISRUPT SERVICE OF ANY MEP SYSTEMS EMBEDDED IN THE EXISTING STRUCTURE.

SUBMITTALS:

NOTE: 1
THIRTY (30) DAYS PRIOR TO SUBMITTING SHOP DRAWINGS, THE GENERAL CONTRACTOR 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 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 AR

NOTE: 2
SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED FOR REVIEW BY THE CONTRACTOR. IF A 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."

(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.
d. CONSTRUCTION/CONTROL JOINT LAYOUT FOR CONCRETE WALLS.
e. CONTROL JOINT LAYOUT FOR MASONRY WALLS.
f. STRUCTURAL STEEL.
g. STEEL JOISTS.
h. METAL DECK.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIRED SUBMITTALS.

WOOD:

NOTE: 1
STRUCTURAL WOOD SHALL BE DOUGLAS FIR. ALL FABRICATION, ERECTION, OTHER PROCEDURES, AND MINIMUM UNIT STRESSES SHALL CONFORM TO THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" (LATEST LOCAL APPROVED EDITION).

SUBMITTALS CONTINUED:

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. PHOTOVOLTAIC ARRAYS AND ASSOCIATED SUPPORTS AND BALLAST.
h. ARCHITECTURAL ORNAMENTATIONS (FLAG POLES, SIGNS AND BANNERS, MASTS, ETC.)
i. WINDOW WASHING AND FALL PROTECTION SYSTEMS.
j. MECHANICAL/ELECTRICAL/PLUMBING HANGER CONNECTIONS.
k. LIGHT POLE BASES.
l. SITE RETAINING WALLS.
m. VEHICLE PROTECTION BARRIERS.
n. UNDERPINNING

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 ARCHITECT AND STRUCTURAL ENGINEER 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. A CONCRETE STRUCTURE MAY NOT SUPPORT ITS DESIGN LIVE LOADS FOR 28 DAYS, UNLESS THE DESIGN STRENGTH IS ACHIEVED EARLIER BASED ON FIELD CURED CYLINDERS.

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. INSPECTIONS REQUIRED SHALL BE PER THE STATEMENT OF SPECIAL INSPECTIONS NOTED ON THIS SHEET AND S-003. 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 402-16

SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS:
AISC 16TH EDITION 360-16

DESIGN LOADS:
IBC RISK CATEGORY IV

FLOOR LIVE LOADS:
SLAB ON GRADE ----- 100 PSF

ROOF LOADS:
LIVE LOAD = 30 PSF x I_r= 36 PSF
PV PANELS = 20 PSF (SUPPLEMENTARY TO THE STANDARD ROOF LIVE LOAD), PV LOAD APPLICABLE AT AREA B ADDITION ROOF AND AREA A SALLYPORT ROOF ONLY
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

SEISMIC DESIGN DATA:
SOIL SITE CLASS D
SEISMIC DESIGN CATEGORY C
SEISMIC IMPORTANCE FACTOR, I_e = 1.5

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_s = 0.143
S_1 = 0.043

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
S_{DS} = 0.152
S_{D1} = 0.069

BASIC SEISMIC FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT, R = 3.5

SEISMIC RESPONSE COEFFICIENT, C_s = 0.065
DESIGN BASE SHEAR: AREA A= 65K
AREA B= 92K

ANALYSIS PROCEDURE:
EQUIVALENT LATERAL FORCE PROCEDURE

WIND LOADS:
DESIGN WIND SPEED:
V_{ult} = 125 MPH (3 SECOND GUST)
V_{asd} = 93 MPH (3 SECOND GUST)

WIND EXPOSURE B
INTERNAL PRESSURE COEFFICIENT, GC_{pi} = +/-0.18

EFFECTIVE WIND AREA	COMPONENTS & CLADDING: UNFACTORED WIND PRESSURE				
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
10 FT²	42 PSF	56 PSF	56 PSF	27 PSF	33 PSF
50 FT²	36 PSF	48 PSF	48 PSF	24 PSF	28 PSF
100 FT²	33 PSF	44 PSF	44 PSF	23 PSF	25 PSF
200 FT²	31 PSF	41 PSF	41 PSF	22 PSF	23 PSF
500 FT²	27 PSF	36 PSF	36 PSF	21 PSF	21 PSF

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

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

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-4627 voice 717-843-3448 fax

SEAL
STATE OF MARYLAND — RODRIGO B. CHACON — No. 14479 — PROFESSIONAL ENGINEER
DATE : JULY 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. 14479 , EXPIRATION DATE 06/22/2027 .

ENGINEER: RODRIGO B. CHACON
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: CF
DWN BY: CF
CHKD BY: CR

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29
CONTRACT COMPLETION BOX

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
ESSEX POLICE PRECINCT - 11
GENERAL NOTES AND INSPECTION TABLES
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-002	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 174 OF 295
	DRAWING NUMBER
	2025 - 1065
	FILE NO.: 8

INSPECTION TABLES

MASONRY

INSPECTION TASK	TYPE OF QA INSPECTION BY QUALITY ASSURANCE LEVEL
	LEVEL 3
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC
2. VERIFICATION OF f'_m a. PRIOR TO CONSTRUCTION b. DURING CONSTRUCTION EVERY 5,000 SQUARE FEET	 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. 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. 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. CONTINUOUS d. PERIODIC e. CONTINUOUS f. PERIODIC g. PERIODIC
6. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	CONTINUOUS
7. INSTALLATION OF POST INSTALLED ANCHORS.	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 CONTINUED

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 - 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 CONTINUED

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

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 - AFER 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

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605 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-843-2448 fax

SEAL: STATE OF MARYLAND — RODRIGO H. CHACON — No. 14429 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14429 EXPIRATION DATE 06/22/2027

ENGINEER: RODRIGO H. CHACON

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER — DATE:

DESIGNED BY:	DRAWN BY:	CHKD BY:
CF	CF	CR

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

ESSEX POLICE PRECINCT - 11

INSPECTION TABLES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
S-003	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 175 OF 295	
DRAWING NUMBER	2025 - 1066
FILE NO.: 8	REV. 01.22

SPREAD FOOTING SCHEDULE

MARK	SIZE	THICKNESS	REINFORCEMENT
F40	4'-0"x4'-0"	1'-0"	6-#4 EACH WAY BOTTOM WITH HOOKED ENDS
F46	4'-6"x4'-6"	1'-2"	5-#5 EACH WAY TOP AND 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
F70	7'-0"x7'-0"	1'-2"	7-#6 EACH WAY BOTTOM
F80	8'-0"x8'-0"	1'-2"	8-#6 EACH WAY TOP AND BOTTOM

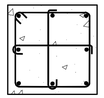
CONCRETE PIER SCHEDULE

MARK	SIZE	VERTICAL REINFORCEMENT	REMARKS
P18	18"x18"	4-#6	
P20	20"x20"	8-#5	
P22	22"x22"	8-#5	
P24	24"x24"	8-#6	

TIE PATTERNS:



4 LONGITUDINAL BARS



8 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.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS
C1	W10x49	18"x18"x1"	(4) 3/4" DIAMETER ASTM F1554 - 36 KSI
C2	HSS8x8x1/2	16"x16"x1"	(4) 3/4" DIAMETER ASTM F1554 - 36 KSI
C3	HSS7X0.312	16"x16"x1"	(4) 3/4" DIAMETER ASTM F1554 - 36 KSI
C4	HSS6x6x3/8	14"x14"x1 1/4"	(4) 3/4" DIAMETER ASTM F1554 - 36 KSI (2'-0" EMBEDMENT)

NOTES:
1. ALL HSS COLUMNS SHALL RECEIVE A 5/8" THICK CAP PLATE UNLESS NOTED OTHERWISE.

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

NOTES:
1. FOOTING TO BE CENTERED BELOW WALL UNLESS NOTED OTHERWISE.

MASONRY PIER SCHEDULE

MARK	WIDTH	VERTICAL REINFORCEMENT	REMARKS
MP16	16"	1-#5	
MP16A	16"	1-#6	
MP24	24"	2-#5	
MP24A	24"	2-#6	
MP24B	24"	1-#6	
MP27	27"	2-#6 (6")	
MP30	30"	2-#5	
MP32	32"	3-#5	
MP32A	32"	2-#6	
MP36	36"	2-#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.
5. PROVIDE DOWELS INTO FOOTING TO MATCH VERTICAL REINFORCEMENT.
6. (6") DENOTES REINFORCEMENT IN MASONRY PIER SHALL BE MECHANICALLY SPLICED WITH ZAP SCREWLOK "SL" SERIES BY SPLICE PRODUCTS, INC. OR EQUIVALENT MECHANICAL COUPLER. LAP SPLICES ARE NOT PERMITTED.

BEARING PLATE SCHEDULE

MARK	SIZE	REMARKS
BP1	6"x6"x1/2"	
BP2	6"x8"x5/8"	
BP3	7"x7"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"	
L2	W8x28 WITH BOTTOM PLATE	7"x7"x5/8"	
L3	W16x36 WITH BOTTOM 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 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.
7. LINTELS SHALL BE POSITIONED AT THE CENTERLINE OF THE CMU WALL UNLESS NOTED OTHERWISE.

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: CF
DWN BY: CF
CHKD BY: CR

AS-BUILT / REVISION	BY	DATE
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P.W.A. NO.	KEY SHEET	POSITION SHT
		7NE28
R.O.W NO.	ISW	7NE29
		8NE28
		8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
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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

ESSEX POLICE PRECINCT - 11

SCHEDULES

RENOVATION & ADDITION

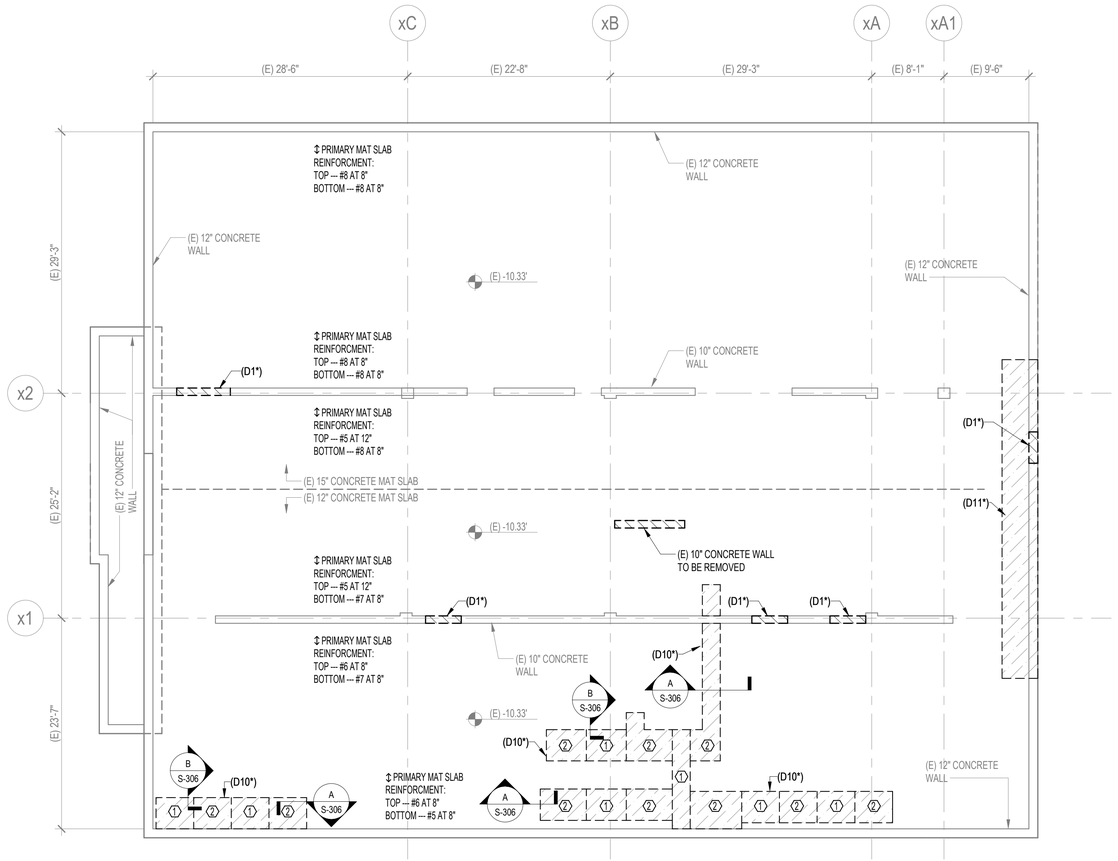
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

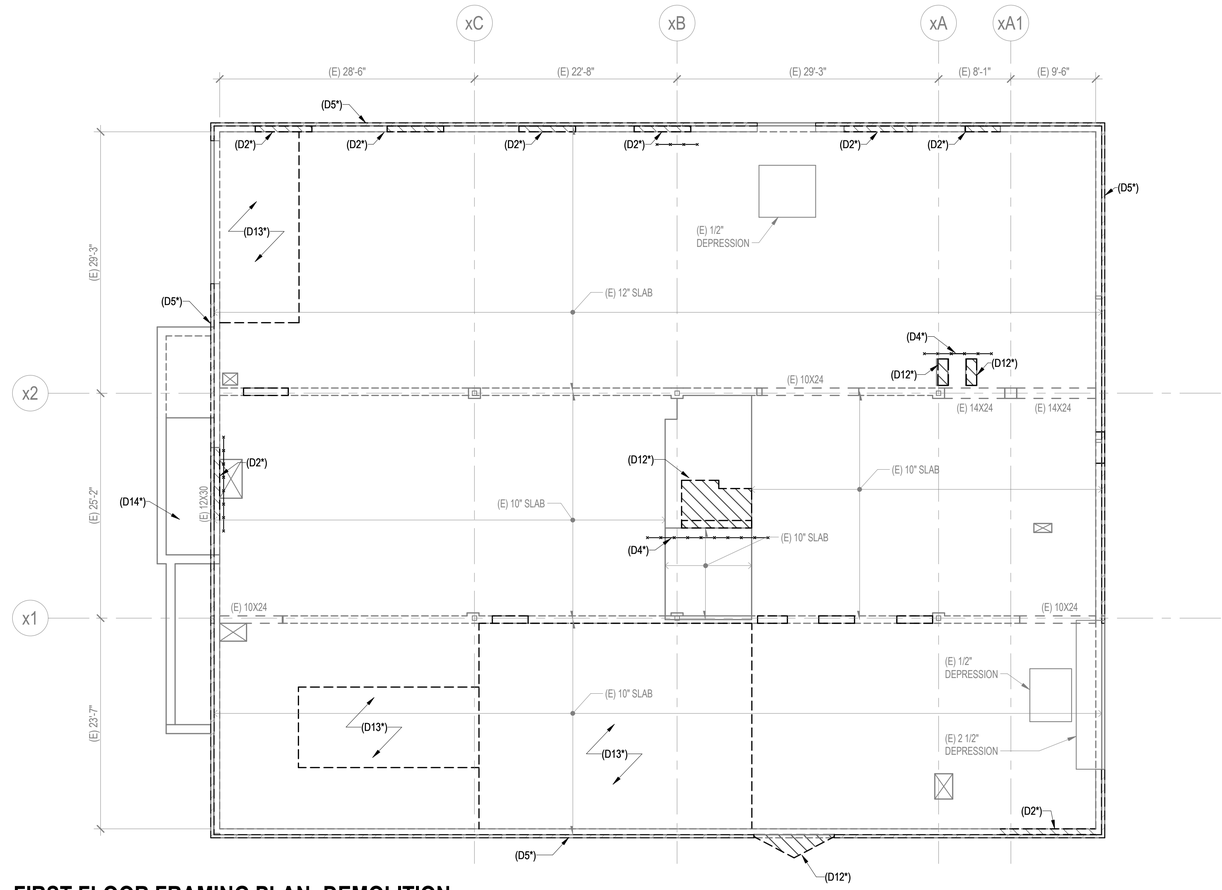
Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
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SHEET DESIGNATION	CONTRACT NUMBER
S-004	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 176 OF 295	
DRAWING NUMBER	2025 - 1067
FILE NO.: 8	REV. 07-22



BASEMENT FOUNDATION PLAN- DEMOLITION

SCALE: 1/8" = 1'-0"



FIRST FLOOR FRAMING PLAN- DEMOLITION

SCALE: 1/8" = 1'-0"

EXISTING CONDITIONS PLAN NOTES:

1. (E) DENOTES EXISTING
2. EXISTING STRUCTURE SHOWN IS BASED ON EXISTING STRUCTURAL DRAWINGS AND MAY DIFFER FROM WHAT IS FOUND IN THE FIELD. IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT THAN WHAT IS SHOWN HERE, CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO COMMENCING WORK.
3. TYPICAL EXISTING EXTERIOR WALL, ABOVE GRADE, CONSTRUCTION CONSISTS OF BRICK VENEER ON 8" CMU BACKUP (1'-0" TOTAL WIDTH).
4. EXISTING PERIMETER BASEMENT WALL IS 12" THICK CONCRETE.
5. EXISTING ROOF DECK CONSISTS OF 2" GYPSUM OVER 1" FORMBOARD SUPPORTED BY TRUSSED TEES (3" THICKNESS TOTAL). UNLESS NOTED OTHERWISE.
6. TOP OF EXISTING STEEL ELEVATION (BOTTOM OF DECK) IS 11.88'. BEAMS SUPPORTING J-SERIES JOISTS ARE 2 1/2" BELOW TOP OF STEEL. ELEVATIONS ARE PROVIDED FOR REFERENCE ONLY AND MUST BE COORDINATED WITH AS-BUILT CONDITIONS.

DEMOLITION PLAN NOTES:

1. DEMOLITION WORK SHOWN IN BOLD AND/OR HATCHED.
2. SHORING LOCATIONS ARE SHOWN FOR INFORMATION ONLY. INSTALL ADDITIONAL SHORING AS REQUIRED WHEN REMOVING BEARING WALLS, COLUMNS, OR BEAMS. REFER TO TYPICAL DETAILS FOR VARIOUS SHORING CONDITIONS.
3. TEMPORARY SHORING SYSTEM AND BRACING OF EXISTING STRUCTURE REQUIRED DUE TO SHORING SYSTEMS SHALL BE DESIGNED BY CONTRACTOR. PROVIDE SIGNED AND SEALED COMPUTATIONS AND DRAWINGS FOR REVIEW.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ALL INTERIOR NON-LOAD BEARING WALLS TO BE REMOVED.
5. COORDINATE ALL PHASING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.
6. ⓧ DENOTES MAT SLAB DEMOLITION AND REPAIR SEQUENCING. UNDERPIN AND INFILL CONCRETE SHALL ACHIEVE DESIGN STRENGTH PRIOR TO STARTING NEXT SEQUENCE.
7. CONCRETE SHALL BE SCANNED TO LOCATE EXISTING REINFORCING PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES.
8. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.

DEMOLITION KEYED NOTES:

(D1*) SECTION OF CONCRETE WALL TO BE DEMOLISHED FOR NEW OPENING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSIONS OF OPENING. SEE DETAIL F/S-305.

(D2*) SECTION OF MASONRY WALL TO BE DEMOLISHED FOR NEW OPENING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSIONS OF OPENING.

(D3*) BEAM OR JOIST SHALL BE SHORED PRIOR TO REMOVAL OF MASONRY SUPPORTING MEMBER. R=... DENOTES ASD BEAM SHORING REACTION.

(D4*) FRAMED SLAB SHALL BE SHORED PRIOR TO REMOVAL OF CONCRETE WALL OR SLAB OPENING.

(D5*) EXISTING EXTERIOR BRICK VENEER TO BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BRICK REMOVAL.

(D6*) EXISTING ROOF DECK WITHIN HATCHED AREA TO BE REMOVED. INSTALL DECK SUPPORTS PRIOR TO CUTTING ROOF DECK.

(D7*) JOIST EXTENSION AT OVERHANG TO BE REMOVED.

(D8*) PORTION OF EXISTING BEAM TO BE REMOVED.

(D9*) ENTIRE EXISTING BEAM OR JOIST TO BE REMOVED.

(D10*) SECTION OF MAT SLAB WITHIN HATCHED AREA TO REMOVED FOR INSTALLTION OF UNDER SLAB PLUMBING. MAT SLAB TO BE UNDERPINNED ALONG LENGTH OF PIPING REFER TO PLUMBING DRAWINGS FOR LOCATION AND ELEVATION OF PIPING. REFER TO A/S-306 AND B/S-306.

(D11*) SECTION OF MAT SLAB WITHIN HATCHED AREA TO BE UNDERPINNED. SEE S-111 FOR EXTENT AND DEPTH OF UNDERPINNING.

(D12*) SECTION OF FRAMED FLOOR SLAB TO BE REMOVED. SEE DETAIL E/S-305.

(D13*) EXISTING CONCRETE TOPPING OVER STRUCTURAL SLAB SHALL BE REMOVED. APPROXIMATE AREA SHOWN FOR BID PURPOSES. TOTAL EXTENT AND THICKNESS OF TOPPING SHALL BE VERIFIED IN FIELD.

(D14*) DENOTES REMOVE EXISTING AREAWAY GRATING, SUPPORT ANGLE, AND BOLTS.

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
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SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF | DWN BY: CF | CHKD BY: CR

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.	ISW	7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EXISTING AND DEMOLITION PLANS

RENOVATION & ADDITION

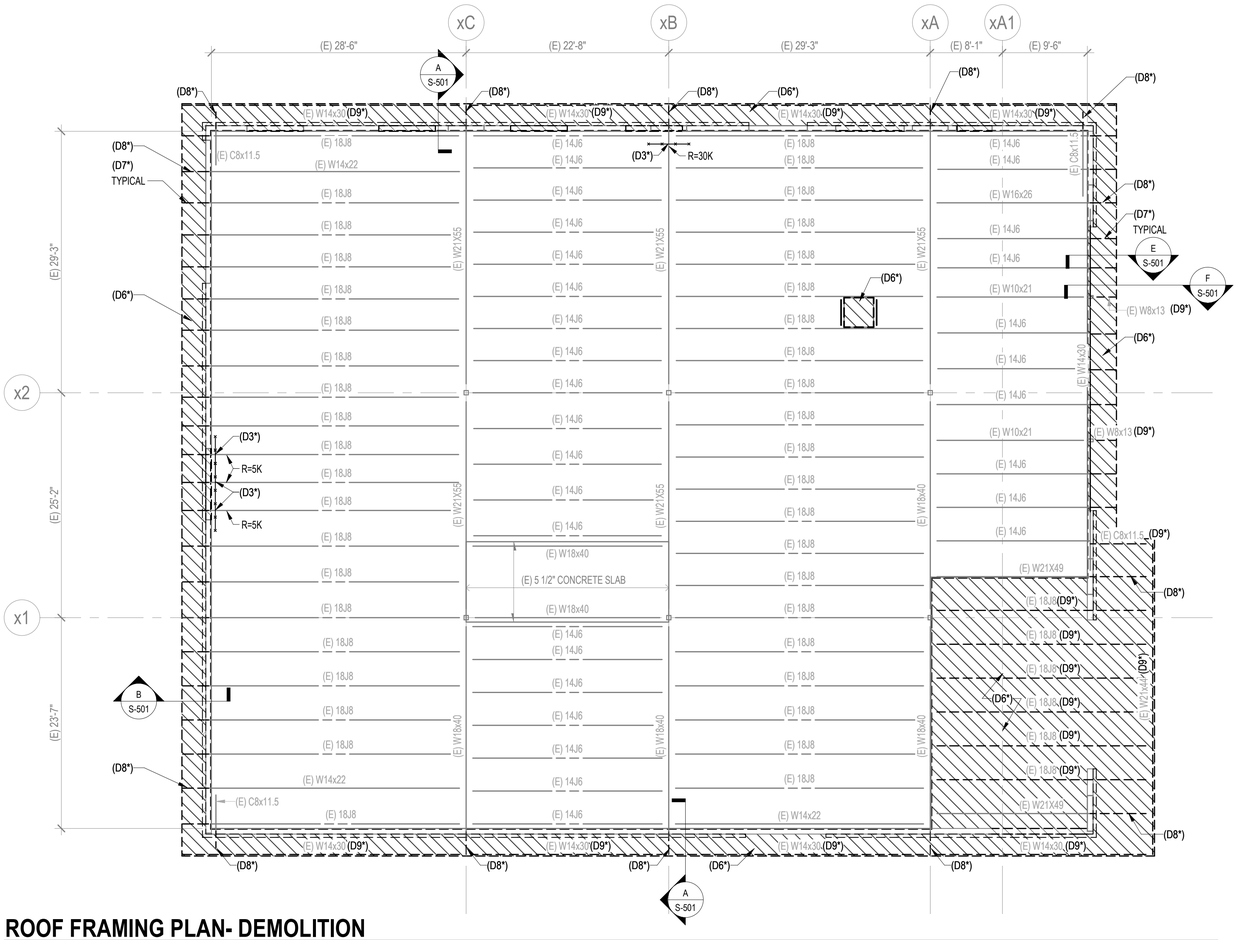
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-101	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 177 OF 295	
DRAWING NUMBER	2025 - 1068
FILE NO.: 8	REV. 07/12

BALTIMORE COUNTY MARYLAND



ROOF FRAMING PLAN- DEMOLITION

SCALE: 1/8" = 1'-0"

EXISTING CONDITIONS PLAN NOTES:

1. (E) DENOTES EXISTING
2. EXISTING STRUCTURE SHOWN IS BASED ON EXISTING STRUCTURAL DRAWINGS AND MAY DIFFER FROM WHAT IS FOUND IN THE FIELD. IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT THAN WHAT IS SHOWN HERE, CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO COMMENCING WORK.
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6. TOP OF EXISTING STEEL ELEVATION (BOTTOM OF DECK) IS 11.88'. BEAMS SUPPORTING J-SERIES JOISTS ARE 2 1/2" BELOW TOP OF STEEL. ELEVATIONS ARE PROVIDED FOR REFERENCE ONLY AND MUST BE COORDINATED WITH AS-BUILT CONDITIONS.

DEMOLITION PLAN NOTES:

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5. COORDINATE ALL PHASING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.
6. ⟨X⟩ DENOTES MAT SLAB DEMOLITION AND REPAIR SEQUENCING. UNDERPIN AND INFILL CONCRETE SHALL ACHIEVE DESIGN STRENGTH PRIOR TO STARTING NEXT SEQUENCE.
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8. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.

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(D11*) SECTION OF MAT SLAB WITHIN HATCHED AREA TO BE UNDERPINNED. SEE S-111 FOR EXTENT AND DEPTH OF UNDERPINNING.

(D12*) SECTION OF FRAMED FLOOR SLAB TO BE REMOVED. SEE DETAIL E/S-305.

(D13*) EXISTING CONCRETE TOPPING OVER STRUCTURAL SLAB SHALL BE REMOVED. APPROXIMATE AREA SHOWN FOR BID PURPOSES. TOTAL EXTENT AND THICKNESS OF TOPPING SHALL BE VERIFIED IN FIELD.

(D14*) DENOTES REMOVE EXISTING AREAWAY GRATING, SUPPORT ANGLE, AND BOLTS.

Murphy & Dittenhafer ARCHITECTS
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228 West Market Street, York, Pennsylvania 17401 717-848-8677 voice 717-843-3489 fax

SEAL: STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

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CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: 1SW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: As indicated; PROFILE SCALE:

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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

EXISTING AND DEMOLITION PLANS

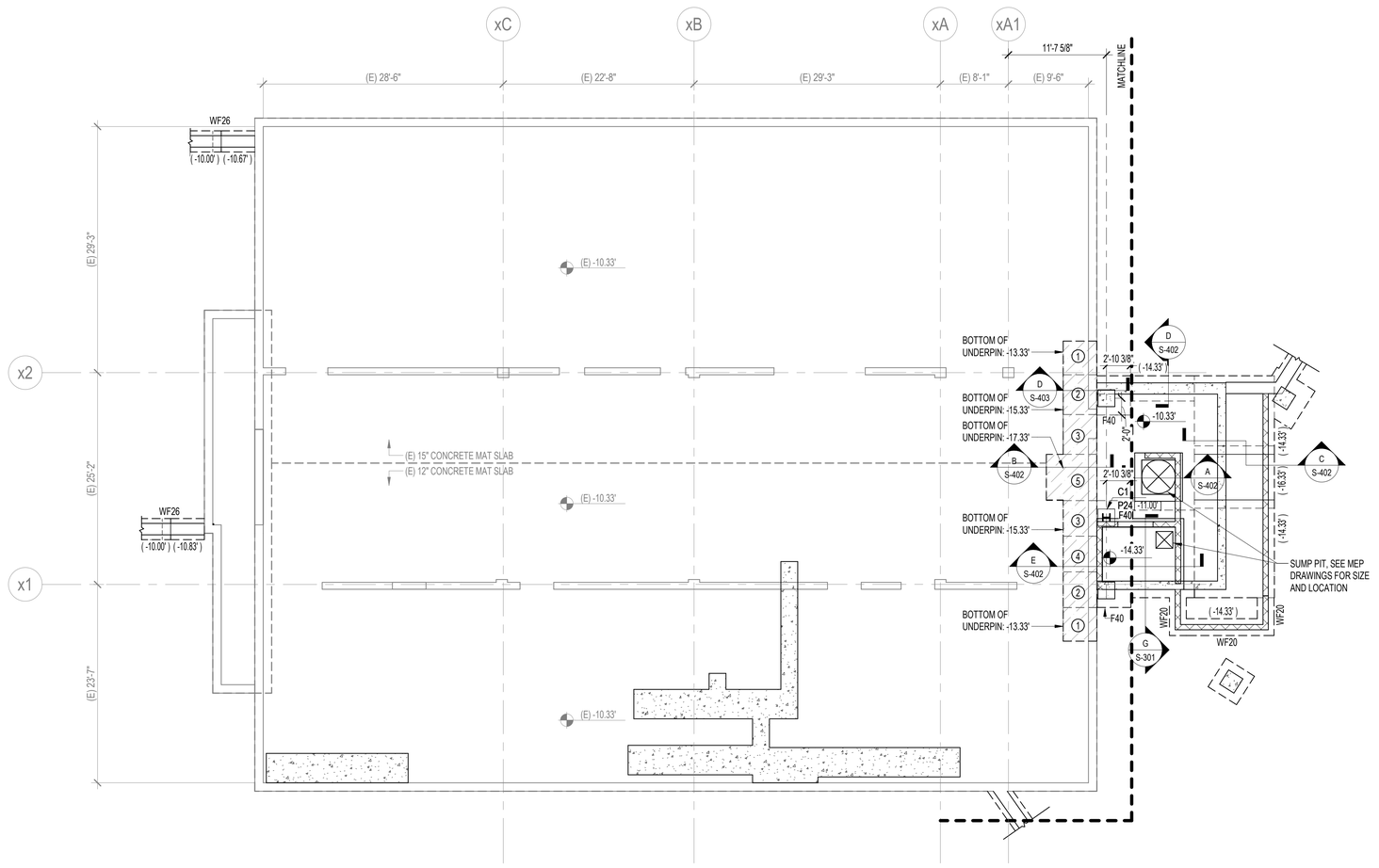
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-102	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 178 OF 295
	DRAWING NUMBER
	2025 - 1069
	FILE NO.: 8



FOUNDATION PLAN- AREA A NEW WORK

SCALE: 1/8" = 1'-0"

FOUNDATION AND SLAB ON GRADE PLAN NOTES: ADDITIONS

1. SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1xW2.1 W.W.F ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.
2. TOP OF SLAB ELEVATION SHALL BE 36.25' (DATUM: 0.00') UNLESS NOTED OTHERWISE.
3. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW DATUM ELEVATION, UNLESS NOTED OTHERWISE THUS [...].
4. 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 FOOTING AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THROUGH CONCRETE AND MASONRY WALLS.
5. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.

FOUNDATION AND SLAB ON GRADE PLAN NOTES: EXISTING

1. (E) DENOTES EXISTING
2. (X) DENOTES SEQUENCE OF UNDERPINNING.

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-846-8827 voice 717-843-2448 fax

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14429 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14429 EXPIRATION DATE: 06/22/2027

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF | DWN BY: CF | CHKD BY: CR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

FOUNDATION - AREA A NEW WORK

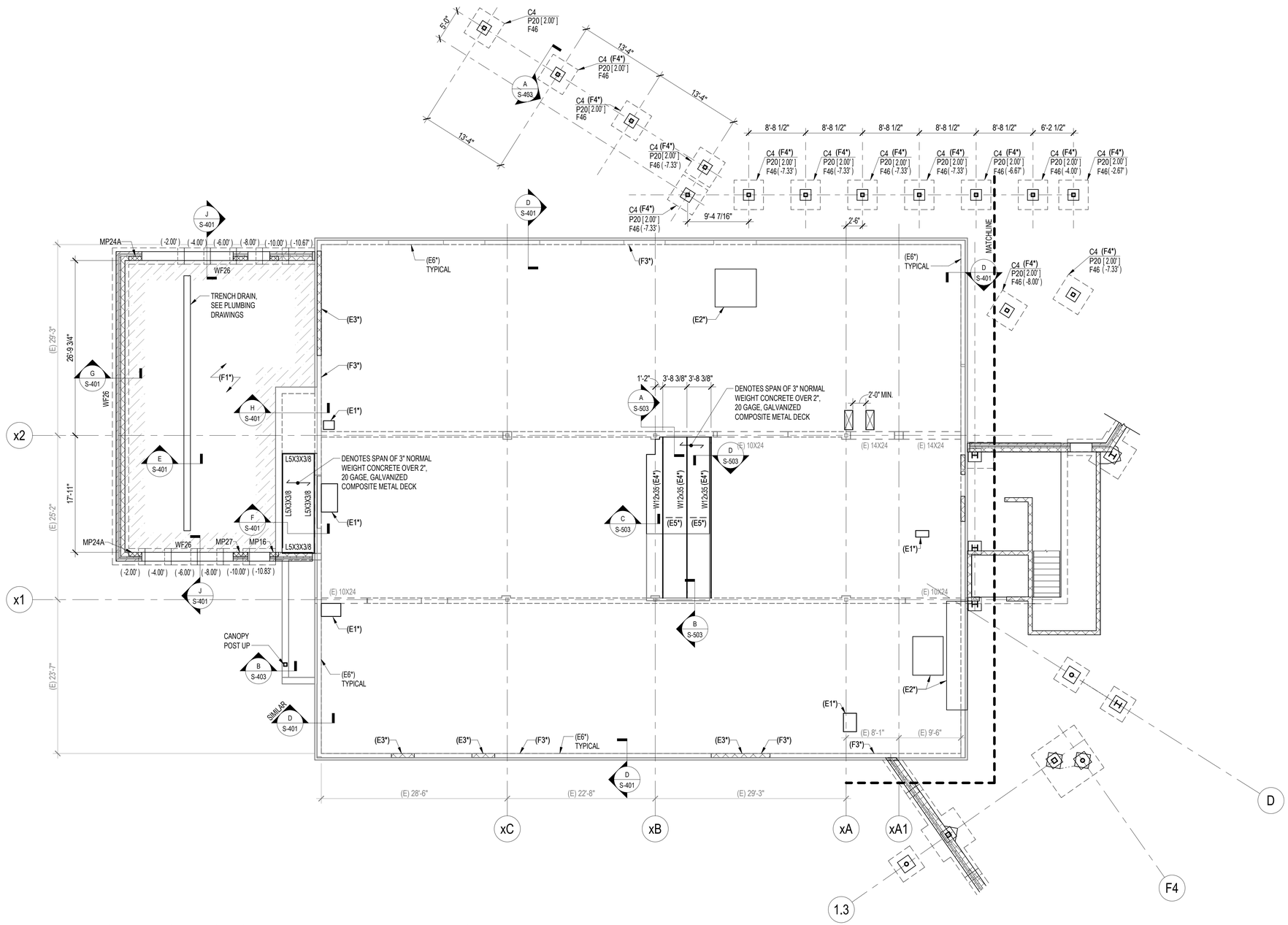
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-111	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 179 OF 295	
DRAWING NUMBER	2025 - 1070
FILE NO.: 8	REV. 01.00



FOUNDATION AND SLAB ON GRADE AND LEVEL 01 FRAMING PLAN - AREA A

SCALE: 1/8" = 1'-0"

FOUNDATION AND SLAB ON GRADE PLAN NOTES: ADDITIONS

1. SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1xW2.1 W.W.F ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.
2. TOP OF SLAB ELEVATION SHALL BE 36.25' (DATUM: 0.00') UNLESS NOTED OTHERWISE.
3. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW DATUM ELEVATION, UNLESS NOTED OTHERWISE THUS (...).
4. 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 FOOTING AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THROUGH CONCRETE AND MASONRY WALLS.
5. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.

FOUNDATION AND SLAB ON GRADE KEYED NOTES:

(F1*) SLAB ON GRADE WITHIN HATCHED PERIMETER SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=5000 PSI, AIR ENTRAINED FOR EXPOSURE CLASS F3) REINFORCED WITH #4 AT 16" o.c. EACH WAY ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.

(F2*) SLAB ON GRADE AT MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.9xW2.9 W.W.F ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.

(F3*) DENOTES PLUMBING PENETRATION THRU EXISTING BASEMENT WALL. SEE DETAIL E/S-305. COORDINATE LOCATION WITH PLUMBING DRAWINGS.

(F4*) DENOTES EXTERIOR COLUMN, BASE PLATE AND ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED.

ELEVATED FLOOR FRAMING KEYED NOTES:

(E1*) DENOTES EXISTING OPENING TO BE INFILLED. PROVIDE 3" NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6" W2.1xW2.1 W.W.F. OVER 2", 20 GAGE, GALVANIZED COMPOSITE METAL DECK. SUPPORT AT EXISTNG SLAB WITH 5"x3"x3/8" CONTINUOUS ANGLE (LLV) AND 5/8" DIAMETER HILTI KWIK BOLT TZ2 AT 16"o.c. (4" EMBEDMENT). SEE DETAIL F/S-305.

(E2*) DENOTES EXISTING SLAB DEPRESSION TO BE INFILLED.

(E3*) EXISTING OPENING IN MASONRY WALL TO BE INFILLED. REFER TO MASONRY GENERAL NOTES FOR MASONRY INFILL REQUIREMENTS.

(E4*) FULL LENGTH MEMBER PERMITTED TO BE ERECTED IN SHORTER LENGTH(S) AND FULL PENETRATION WELD SECTIONS INTO CONTINUOUS MEMBER OF REQUIRED LENGTH. REFER TO F/S304.

(E5*) DENOTES 2 1/2"x 2 1/2"x 1/4" ANGLE CROSS BRACING. ATTACH TO BEAM WITH 5/16" THICK CONNECTION PLATE.

(E6*) DENOTES EXISTNG EXTERIOR CMU TO REMAIN TO BE REINFORCED. REFER TO SECTIONS FOR REINFORCEMENT REQUIREMENTS.

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
717-846-9627 voice 717-843-0449 fax

SEAL: STATE OF MARYLAND — RODRIGO H. CHACON — No. 14429 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14429, EXPIRATION DATE: 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF | DWN BY: CF | CHKD BY: CR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

FOUNDATION, SLAB ON GRADE, LEVEL 01 FRAMING PLAN - AREA A

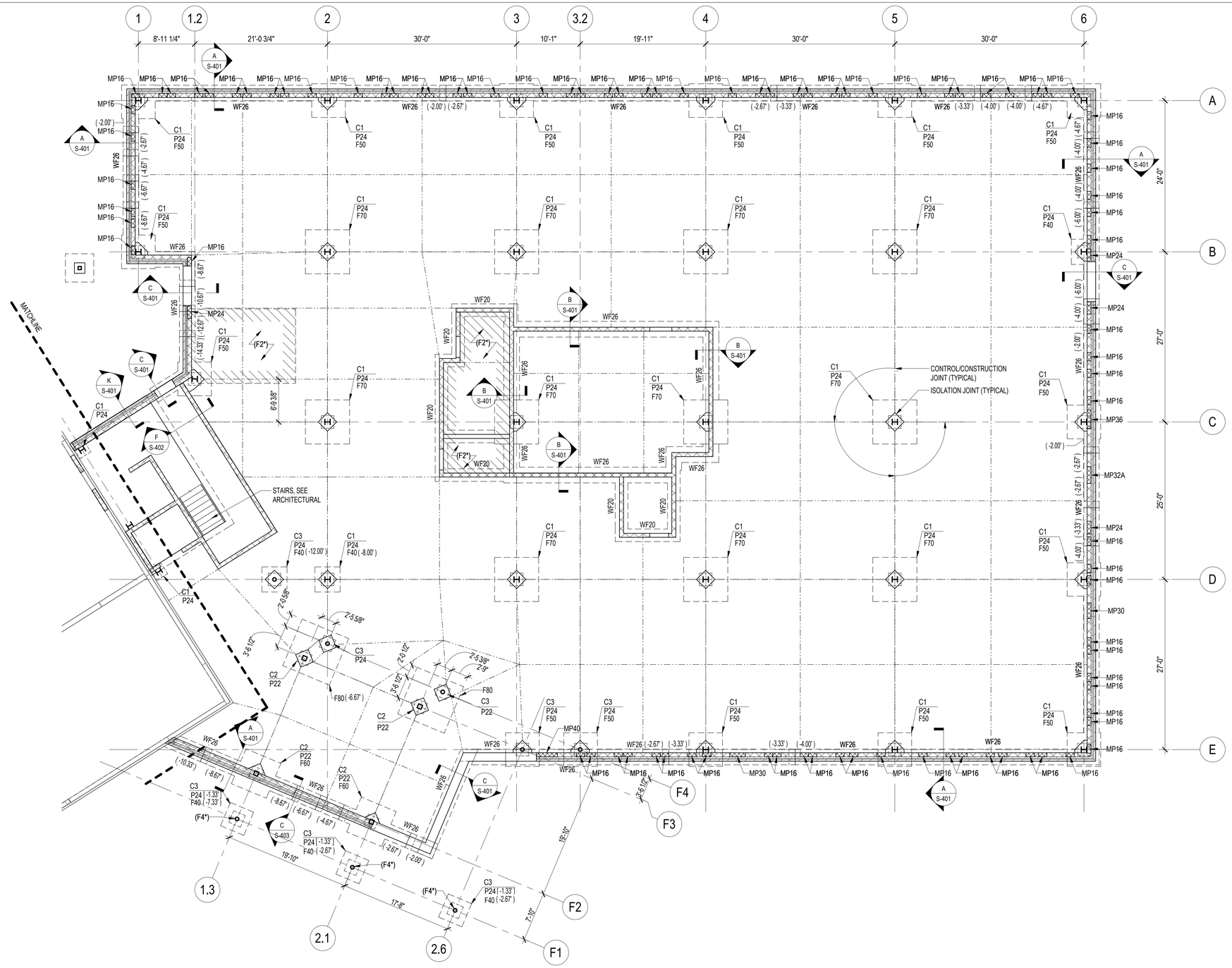
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-112	25022 PP0
	JOB ORDER NUMBER: PROJ-10000636
	SHEET 180 OF 295
	DRAWING NUMBER: 2025 - 1071
	FILE NO.: 8



SLAB ON GRADE AND FOUNDATION - AREA B

SCALE: 1/8" = 1'-0"

FOUNDATION AND SLAB ON GRADE PLAN NOTES: ADDITIONS

1. SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.1xW2.1 W.W.F ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.
2. TOP OF SLAB ELEVATION SHALL BE 36.25' (DATUM: 0.00') UNLESS NOTED OTHERWISE.
3. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW DATUM ELEVATION, UNLESS NOTED OTHERWISE THUS [...].
4. 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 FOOTING AS REQUIRED BELOW UTILITY LINES AND INSTALL SLEEVES THROUGH CONCRETE AND MASONRY WALLS.
5. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.

FOUNDATION AND SLAB ON GRADE KEYED NOTES:

(F1*) SLAB ON GRADE WITHIN HATCHED PERIMETER SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=5000 PSI, AIR ENTRAINED FOR EXPOSURE CLASS F3) REINFORCED WITH #4 AT 16" o.c. EACH WAY ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.

(F2*) SLAB ON GRADE AT MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f'c=4000 PSI) REINFORCED WITH 6"x6", W2.9xW2.9 W.W.F ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF WASHED GRAVEL.

(F3*) DENOTES PLUMBING PENETRATION THRU EXISTING BASEMENT WALL. SEE DETAIL E/S-305. COORDINATE LOCATION WITH PLUMBING DRAWINGS.

(F4*) DENOTES EXTERIOR COLUMN, BASE PLATE AND ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED.

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE		PROPERTY MANAGEMENT
PLAN SCALE:	As indicated	APPROVED BY: PROPERTY MANAGER
PROFILE SCALE:		DATE:

	DGN BY: CF	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	DRN BY: CF	REVIEWED BY:							
	CHKD BY: CR	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

FOUNDATION AND SLAB ON GRADE - AREA B

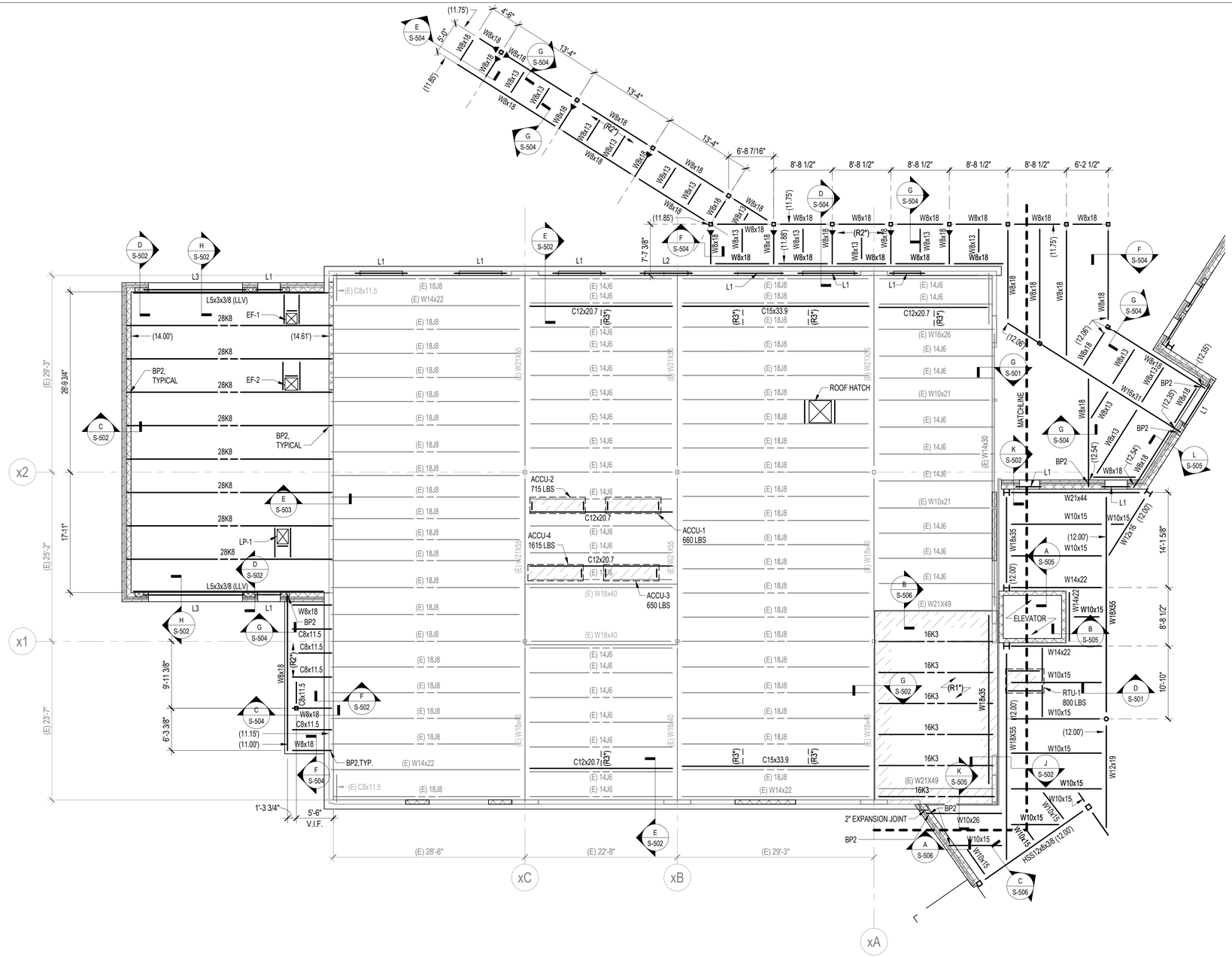
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-113	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 181 OF 295
	DRAWING NUMBER
	2025 - 1072
	FILE NO.: 8



ROOF FRAMING PLAN- AREA A

SCALE: 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES: ADDITIONS AREA A

1. ROOF DECK SHALL BE 1 1/2", 18 GAGE, TYPE 'B' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 36/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.
2. TOP OF STEEL ELEVATION (BOTTOM OF DECK) NOTED ON PLAN THUS (...) IS MEASURED FROM DATUM ELEVATION (0.00'). BEAMS SUPPORTING K-SERIES JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
3. ALL K-SERIES JOISTS SHALL HAVE 3 1/2" JOIST SEATS UNLESS NOTED OTHERWISE.
4. JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 15 PSF.
5. INSTALL ANGLE FRAME AROUND ALL OPENINGS WITH ONE SIDE LARGER THAN 1'-0". REFER TO TYPICAL ROOF OPENING DETAIL.
6. ROOFTOP MECHANICAL UNITS SHALL BE SUPPORTED BY 6"x4"x3/8" ANGLE FRAME (LLV). SUPPORT AT JOIST OR BEAM WITH 6"x6"x1/2"x8" LONG ANGLE SEAT UNLESS NOTED OTHERWISE. PROVIDE JOIST LOAD STRUT WHERE ANGLE SUPPORT DOES NOT LINE UP WITH JOIST TOP CHORD PANEL POINT.
7. SOLID DELTA AT END OF BEAM DENOTES MOMENT CONNECTION. ALL CANTILEVER BEAMS SHALL MATCH BACKSPAN BEAM SIZE UNLESS NOTED OTHERWISE.

ROOF FRAMING PLAN KEYED NOTES:

(R1*) NEW ROOF DECK WITHIN HATCHED PERIMETER SHALL BE 3", 20 GAGE, TYPE 'N' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 24/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.

(R2*) ROOF DECK AT CANOPY SHALL BE 2" DEEP, 20 GAGE, DOVETAIL GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 24/4 PATTERN AND No. 10 SIDELAP SCREWS AT MIDSPAN. UNLESS NOTED OTHERWISE.

(R3*) 2 1/2"x2 1/2"x5/16" ANGLE CROSS BRACING AT MID-SPAN OR THIRD POINT OF BEAM, AS SHOWN ON PLAN. ATTACH TO FRAMING WITH 5/16" THICK CONNECTION PLATE. IF ADJACENT MEMBER IS AN OPEN WEB STEEL JOIST, INSTALL SINGLE 2 1/2"x2 1/2"x5/16" KICKER FROM BOTTOM OF BEAM TO TOP CHORD PANEL POINT.

(R4*) DENOTES 1 1/2" THICK INSULATING CONCRETE (MAXIMUM 50 PCF) WITH 6"x6" W1.4xW1.4 WWF, POURED DIRECTLY ON 1 1/2" METAL ROOF DECK (ROOF DECK PLUS INSULATING CONCRETE= 3" TOTAL THICKNESS). PROVIDE LIGHT GAGE POUR STOP AROUND PERIMETER OF INSULATING CONCRETE. COORDINATE EXTENTS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

(R5*) DENOTES APPROXIMATE LOCATION OF EXTERIOR LADDER, SEE ARCHITECTURAL DRAWINGS. LADDER AND ANCHORAGE TO CMU SHALL BE BY DELEGATED DESIGN ENGINEER. ENSURE CMU IS GROUTED SOLID AT LADDER ANCHROAGE MINIMUM 8" AROUND ALL SIDES OF ANCHORS.

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4674 fax
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SEAL

STATE OF MARYLAND — RODRIGO B. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO B. CHACON

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.	ISW	7NE28 7NE29 8NE28 8NE29

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
DGN BY: CF							
DRN BY: CF							
CHKD BY: CR							
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ROOF FRAMING PLAN - AREA A

RENOVATION & ADDITION

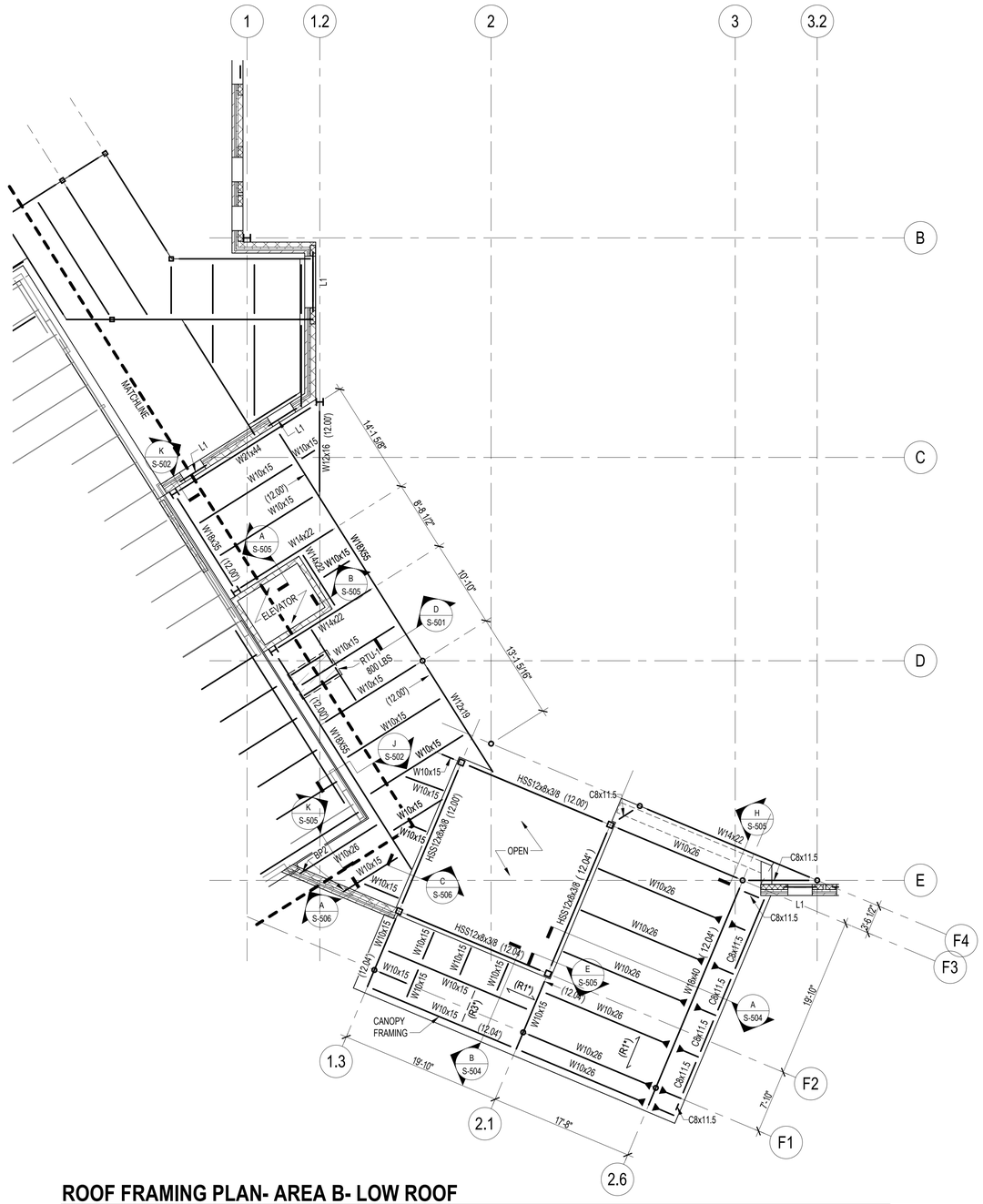
216 & 222 North Marlyn Ave, Essex, MD 21221

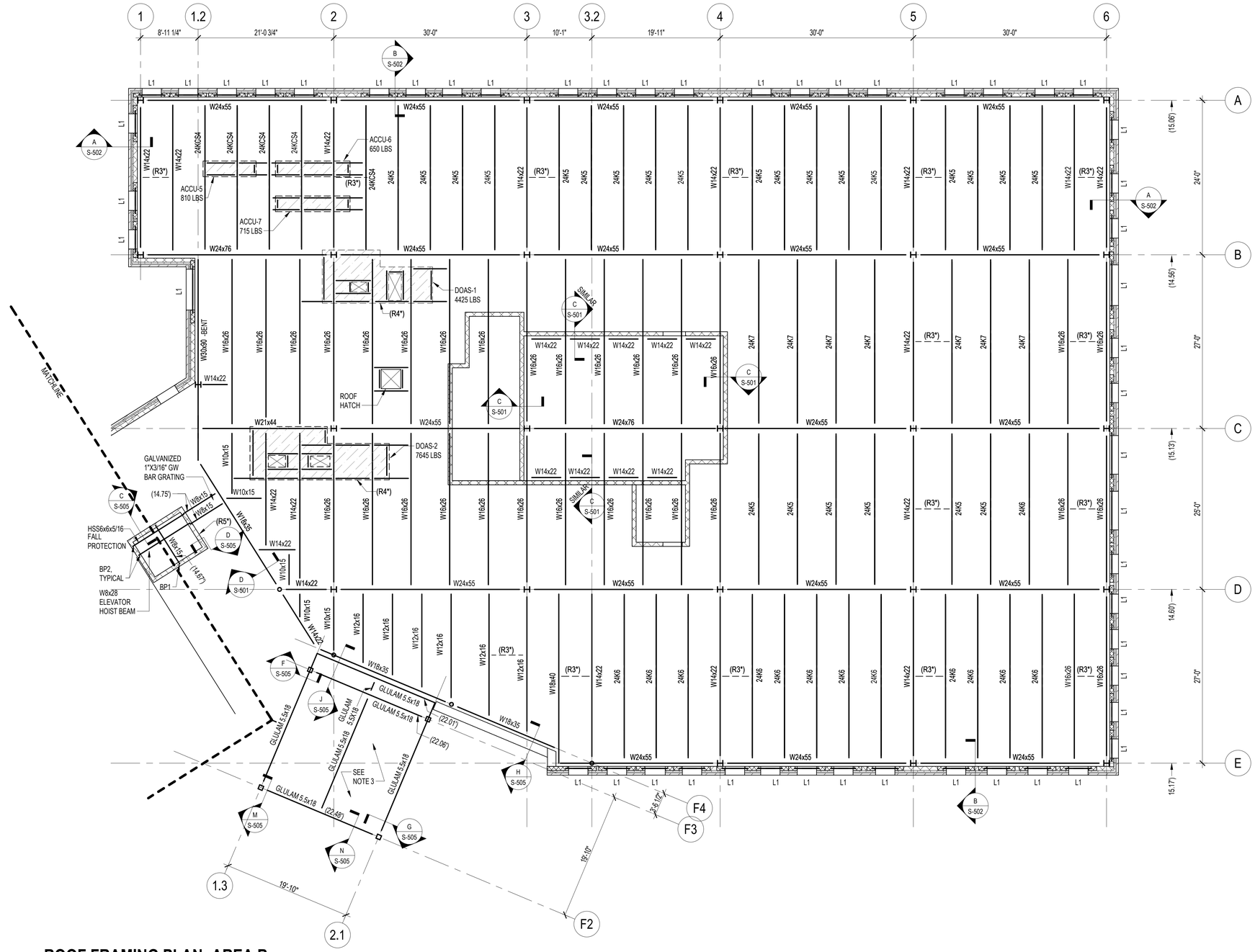
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-114	25022 PP0

JOB ORDER NUMBER
PROJ-10000636
SHEET 182 OF 295
DRAWING NUMBER
2025 - 1073
FILE NO.: 8


1
1.2
2
3
3.2
B
C
D
E
F4
F3
F2
F1
1.3
2.1
2.6
MATCHLINE
K
S-502
L1
W21x44
W10x15
W12x16 (12.00')
14'-1 5/8"
8'-8 1/2"
10'-10"
13'-1 5/16"
(12.00')
W10x15
W18x35 (12.00')
A
S-505
W14x22
W18x65
W14x22
B
S-505
ELEVATOR
D
S-501
W14x22
W10x15
RTU-1
600 LBS
W10x15
(12.00')
W12x19
W18x35
J
S-502
W10x15
W10x15
W10x15
W10x15
W10x15
K
S-505
HSS12x8x3/8 (12.00')
C8x11.5
H
S-505
W14x22
W10x26
C8x11.5
OPEN
HSS12x8x3/8 (12.00')
W10x26
W10x26
W10x26
C8x11.5
L1
C8x11.5
3'-5 1/2"
W8x24
C
S-506
W10x26
W10x15
W10x15
A
S-506
W10x15
W10x15
W10x15
W10x15
W10x15



ROOF FRAMING PLAN- AREA B

SCALE: 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES: ADDITIONS AREA B

1. ROOF DECK SHALL BE 1 1/2", 18 GAGE, TYPE 'B' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 36/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.
2. ALL WOOD FRAMING AND DECKING SHALL BE FIRE RESISTANT TREATED DOUGLAS FIR.
3. GLULAM MEMBERS SHALL BE BALANCED SECTIONS AND HAVE THE FOLLOWING MINIMUM DESIGN VALUES:
   A. F_b=2400 PSI, F_v=265 PSI, E=1800x10^6 PSI
4. ROOF DECKING AT VESTIBULE SHALL BE 3X6 TONGUE AND GROOVE FASTENED TO BEAMS WITH (2)-10d x 4 1/2" LONG WOOD SCREWS.
5. TOP OF STEEL ELEVATION (BOTTOM OF DECK) NOTED ON PLAN THUS (...) IS MEASURED FROM DATUM ELEVATION (0.00'). BEAMS SUPPORTING K-SERIES JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
6. ALL K-SERIES JOISTS SHALL HAVE 3 1/2" JOIST SEATS UNLESS NOTED OTHERWISE.
7. JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 15 PSF.
8. INSTALL ANGLE FRAME AROUND ALL OPENINGS WITH ONE SIDE LARGER THAN 1'-0". REFER TO TYPICAL ROOF OPENING DETAIL.
9. ROOFTOP MECHANICAL UNITS SHALL BE SUPPORTED BY 6"x4"x3/8" ANGLE FRAME (LLV). SUPPORT AT JOIST OR BEAM WITH 6"x6"x1/2"x8" LONG ANGLE SEAT UNLESS NOTED OTHERWISE. PROVIDE JOIST LOAD STRUT WHERE ANGLE SUPPORT DOES NOT LINE UP WITH JOIST TOP CHORD PANEL POINT.
10. SOLID DELTA AT END OF BEAM DENOTES MOMENT CONNECTION. ALL CANTILEVER BEAMS SHALL MATCH BACKSPAN BEAM SIZE UNLESS NOTED OTHERWISE.

ROOF FRAMING PLAN KEYED NOTES:

(R1*) NEW ROOF DECK WITHIN HATCHED PERIMETER SHALL BE 3", 20 GAGE, TYPE 'N' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 24/4 PATTERN AND No. 10 SIDELAP SCREWS AT 2'-0" o.c. UNLESS NOTED OTHERWISE.

(R2*) ROOF DECK AT CANOPY SHALL BE 2" DEEP, 20 GAGE, DOVETAIL GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" PUDDLE WELDS ON A 24/4 PATTERN AND No. 10 SIDELAP SCREWS AT MIDSPAN. UNLESS NOTED OTHERWISE.

(R3*) 2 1/2"x2 1/2"x5/16" ANGLE CROSS BRACING AT MID-SPAN OR THIRD POINT OF BEAM, AS SHOWN ON PLAN. ATTACH TO FRAMING WITH 5/16" THICK CONNECTION PLATE. IF ADJACENT MEMBER IS AN OPEN WEB STEEL JOIST, INSTALL SINGLE 2 1/2"x2 1/2"x5/16" KICKER FROM BOTTOM OF BEAM TO TOP CHORD PANEL POINT.

(R4*) DENOTES 1 1/2" THICK INSULATING CONCRETE (MAXIMUM 50 PCF) WITH 6"x6" W1.4xW1.4 WWF, POURED DIRECTLY ON 1 1/2" METAL ROOF DECK (ROOF DECK PLUS INSULATING CONCRETE= 3" TOTAL THICKNESS). PROVIDE LIGHT GAGE POUR STOP AROUND PERIMETER OF INSULATING CONCRETE. COORDINATE EXTENTS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

(R5*) DENOTES APPROXIMATE LOCATION OF EXTERIOR LADDER, SEE ARCHITECTURAL DRAWINGS. LADDER AND ANCHORAGE TO CMU SHALL BE BY DELEGATED DESIGN ENGINEER. ENSURE CMU IS GROUTED SOLID AT LADDER ANCHROAGE MINIMUM 8" AROUND ALL SIDES OF ANCHORS.

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-846-8827 voice 717-843-3448 fax

SEAL

PROFESSIONAL CERTIFICATION

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ENGINEER: RODRIGO B. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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: CF	REVIEWED BY:							
DRN BY: CF	DATE REVIEWED:							
CHKD BY: CR								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ROOF FRAMING PLAN - AREA B

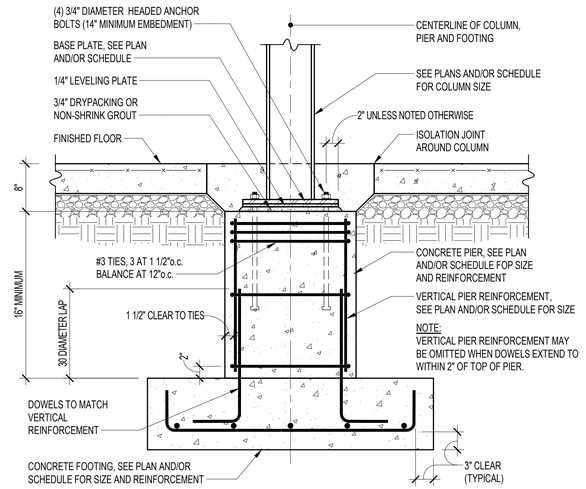
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

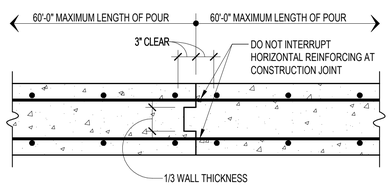
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-116	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 184 OF 295	
DRAWING NUMBER	
2025 - 1075	
FILE NO.: 8	



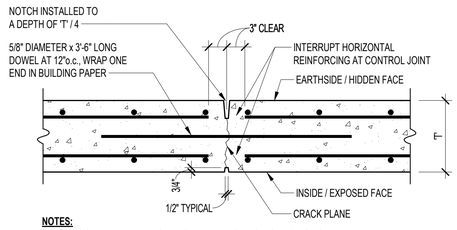
COLUMN, FOOTING AND PIER

A S-301 TYPICAL DETAIL
NOT TO SCALE



NOTES:
1. UNLESS OTHERWISE NOTED, CONSTRUCTION JOINTS SHALL BE LOCATED MIDWAY BETWEEN COLUMNS.
2. JOINTS SHALL EXTEND IN STRAIGHT LINE FROM BOTTOM TO TOP OF WALL.
3. SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.

CONSTRUCTION JOINT

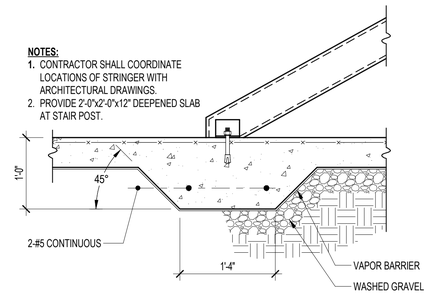


NOTES:
1. JOINTS SHALL EXTEND IN STRAIGHT LINE FROM BOTTOM TO TOP OF WALL.
2. SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.
3. UNLESS NOTED OTHERWISE, MAXIMUM JOINT SPACING SHALL NOT EXCEED 30'-0". COORDINATE LOCATIONS WITH ARCHITECTURAL DOCUMENTS.
4. IN INTANCES WHERE THE CONCRETE WALL SUPPORTS A CMU WALL, THE CONTRACTION JOINTS SHALL ALIGN WITH A MASONRY CONTROL JOINT. COORDINATE WITH ARCHITECTURAL DOCUMENTS.

CONTROL / CONTRACTION JOINT

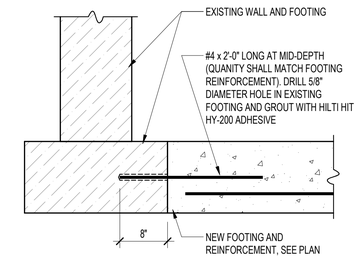
VERTICAL JOINTS IN CONCRETE WALLS

B S-301 TYPICAL DETAIL
NOT TO SCALE



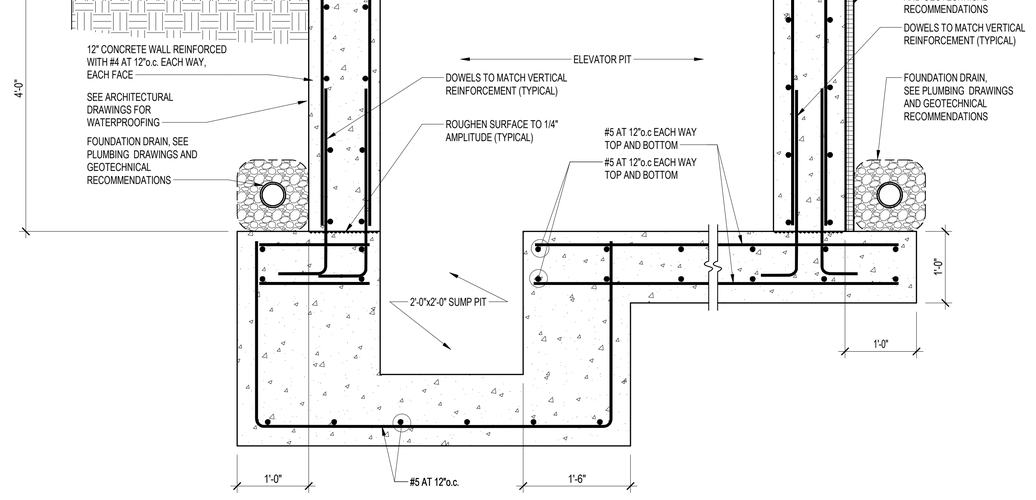
DEEPENED SLAB FOR STAIR STRINGER SUPPORT

C S-301 TYPICAL DETAIL
NOT TO SCALE



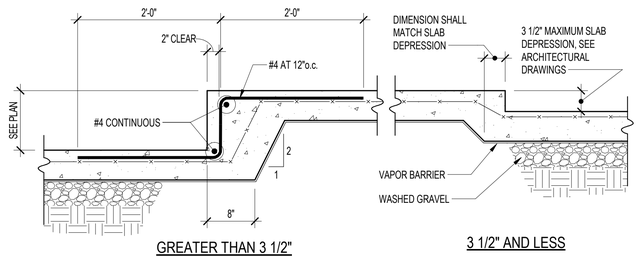
FOOTING AT EXISTING WALL

D S-301 TYPICAL DETAIL
NOT TO SCALE



ELEVATOR PIT

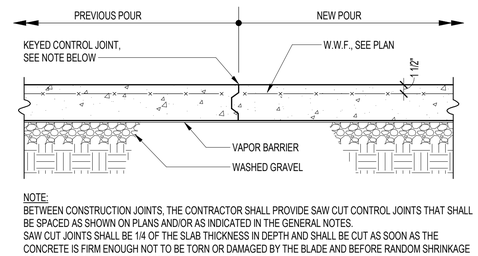
G S-301 TYPICAL DETAIL
NOT TO SCALE



GREATER THAN 3 1/2" | 3 1/2" AND LESS

DEPRESSED SLAB ON GRADE

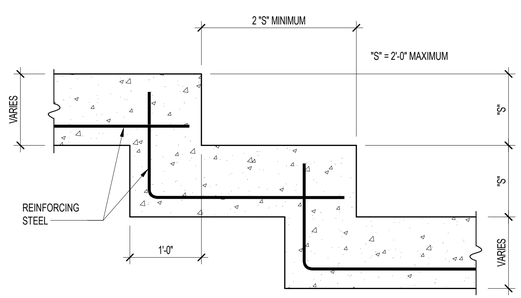
E S-301 TYPICAL DETAIL
NOT TO SCALE



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.

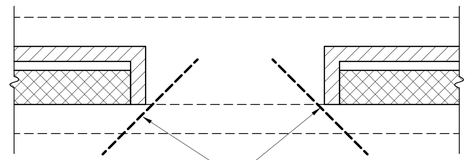
CONSTRUCTION JOINT IN SLAB ON GRADE

F S-301 TYPICAL DETAIL
NOT TO SCALE



STEP FOOTING

H S-301 TYPICAL DETAIL
NOT TO SCALE



ADDED SLAB REINFORCEMENT AT WALL OPENINGS

J S-301 TYPICAL DETAIL
NOT TO SCALE

Murphy & Dittenhafer ARCHITECTS
800 North Charles Street, Baltimore, Maryland 21201
410-625-4833 Voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401
717-848-9857 Voice 717-843-2446 fax

SEAL: STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: RODRIGO H. CHACON

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.	ISW	7NE28 7NE29 8NE28 8NE29

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: CF								
DRN BY: CF	REVIEWED BY:							
CHKD BY: CR	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

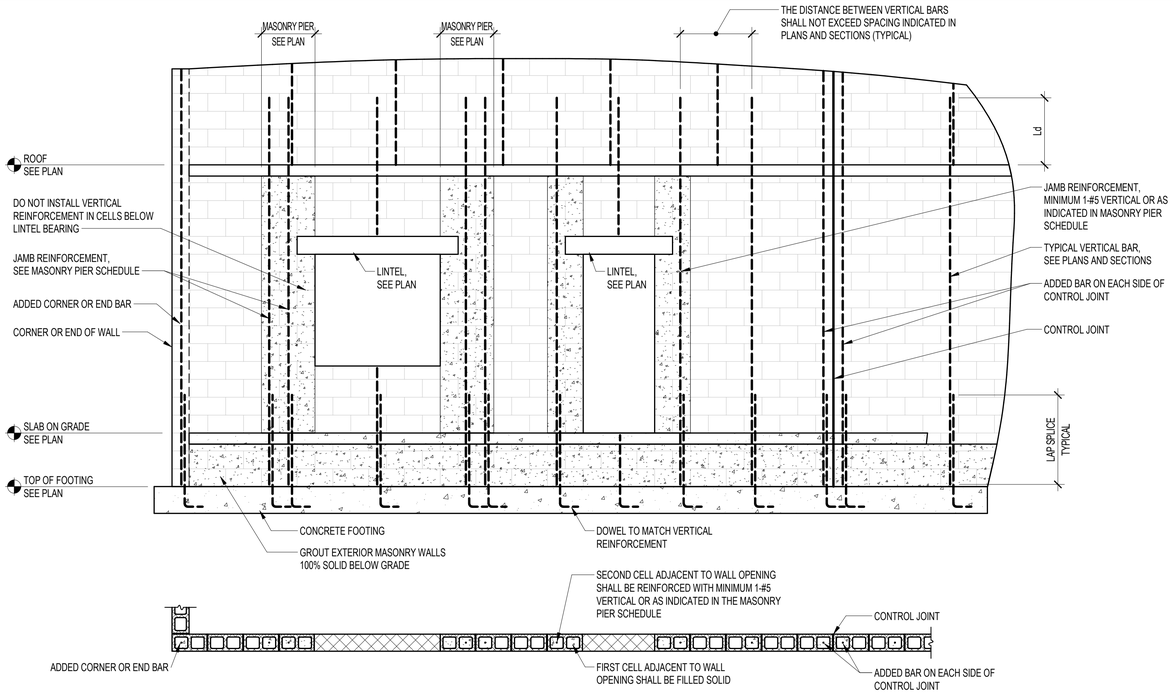
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

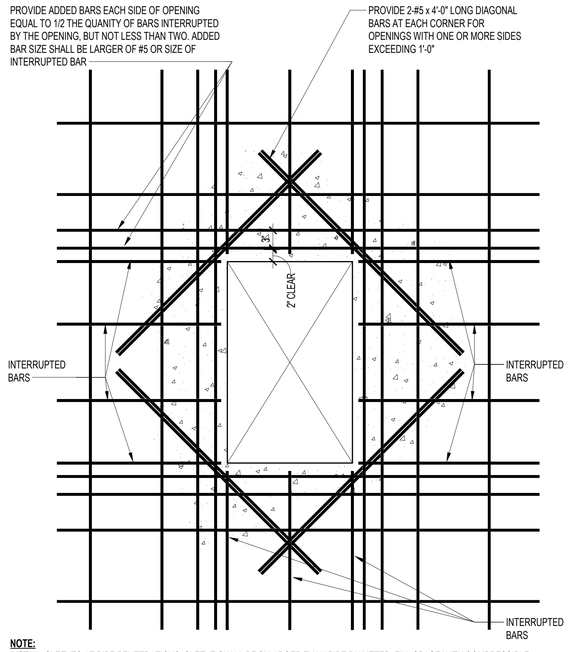
SHEET DESIGNATION	CONTRACT NUMBER
S-301	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 185 OF 295	
DRAWING NUMBER	2025 - 1076
FILE NO.: 8	REV. 0.0



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.

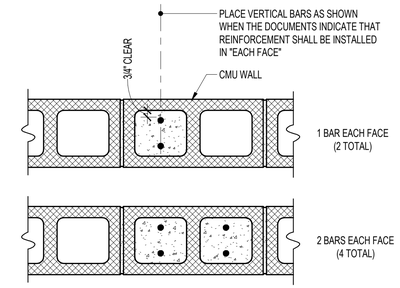
A TYPICAL DETAIL
S-302 NOT TO SCALE



NOTE:
INSTALL SLEEVES AT PIPE PENETRATIONS. SLEEVE SHALL BE 2" LARGER THAN PIPE DIAMETER. FILL SPACE WITH COMPRESSIBLE FILLER.

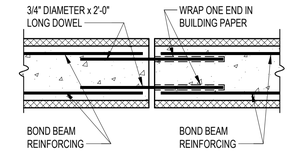
BAR PLACING DETAIL AT OPENING IN CONCRETE SLAB AND WALL

B TYPICAL DETAIL
S-302 NOT TO SCALE



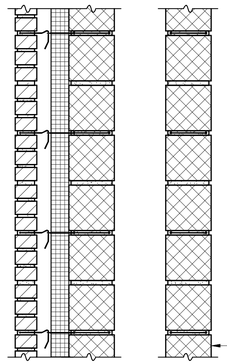
CMU REINFORCEMENT EACH FACE

C TYPICAL DETAIL
S-302 NOT TO SCALE



BOND BEAM AT CONTROL JOINT

D TYPICAL DETAIL
S-302 NOT TO SCALE

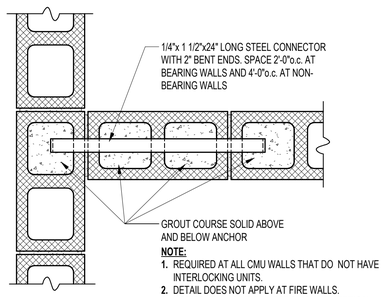


NOTES:
1. EXTERIOR WALLS: STANDARD LADDER-TYPE JOINT REINFORCEMENT (9 GAGE) SPACED VERTICALLY AT MAXIMUM 16"o.c.
2. DOUBLE WYTHE WALLS: STANARD LADDER-TYPE JOINT REINFORCEMENT (9 GAGE) SPACED VERTICALLY AT 16"o.c.
3. EXTERIOR WALLS: HEAVY LADDER-TYPE JOINT REINFORCEMENT (3/16" DIAMETER SIDE RODS AND 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.

SEE PLAN FOR WALL THICKNESS AND TYPE

WALL REINFORCING

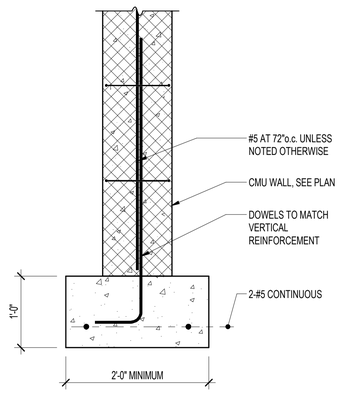
E TYPICAL DETAIL
S-302 NOT TO SCALE



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.

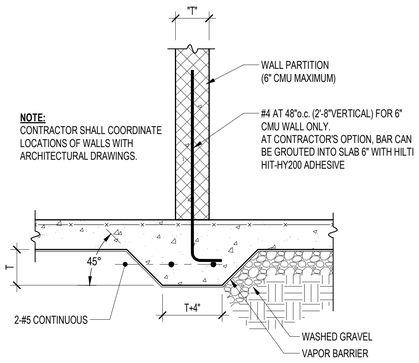
ABUTTING MASONRY WALL

F TYPICAL DETAIL
S-302 NOT TO SCALE



WALL FOOTING AT 8" OR 12" NON-BEARING MASONRY WALLS

G TYPICAL DETAIL
S-302 NOT TO SCALE



DEEPENED SLAB FOR NON-BEARING MASONRY WALL

H TYPICAL DETAIL
S-302 NOT TO SCALE

Murphy & Pittenhafer ARCHITECTS
800 North Charles Street, Baltimore, Maryland 21201 410-625-4833 Voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-9827 Voice 717-843-2446 fax

SEAL: STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

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ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF
DRN BY: CF
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AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W. NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

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

DRAWING SCALE
PLAN SCALE: As indicated
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PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

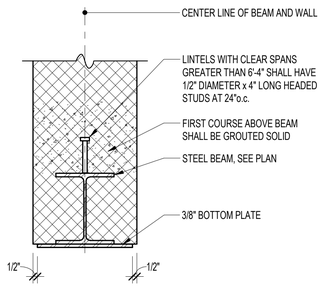
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

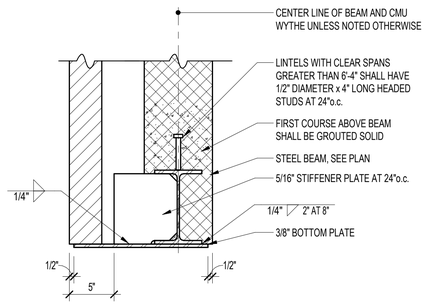
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-302	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 186 OF 295
	DRAWING NUMBER
	2025 - 1077
	FILE NO.: 8



BEAM WITH BOTTOM PLATE

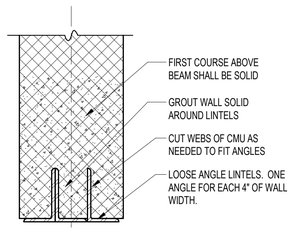


BEAM WITH BOTTOM PLATE IN EXTERIOR CAVITY WALL

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

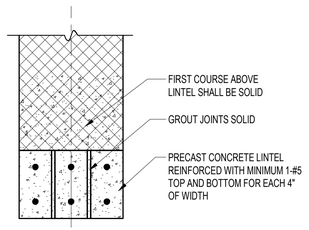
A TYPICAL DETAIL
S-303 — NOT TO SCALE



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.

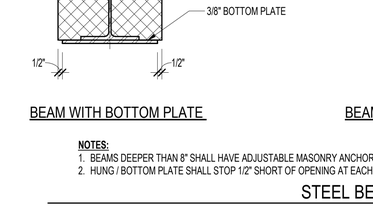
D TYPICAL DETAIL
S-303 — NOT TO SCALE



PRECAST LINTELS

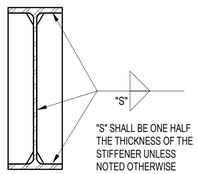
NOTES:
1. PRECAST LINTELS SHALL BE INSTALLED OVER OPENINGS IN ALL INTERIOR NON-BEARING PARTITIONS UNLESS NOTED OTHERWISE.
2. PRECAST LINTELS SHALL NOT BE INSTALLED ABOVE OPENINGS WIDER THAN 10'-0" WITHOUT THE CONSENT OF THE ENGINEER OF RECORD.

E TYPICAL DETAIL
S-303 — NOT TO SCALE



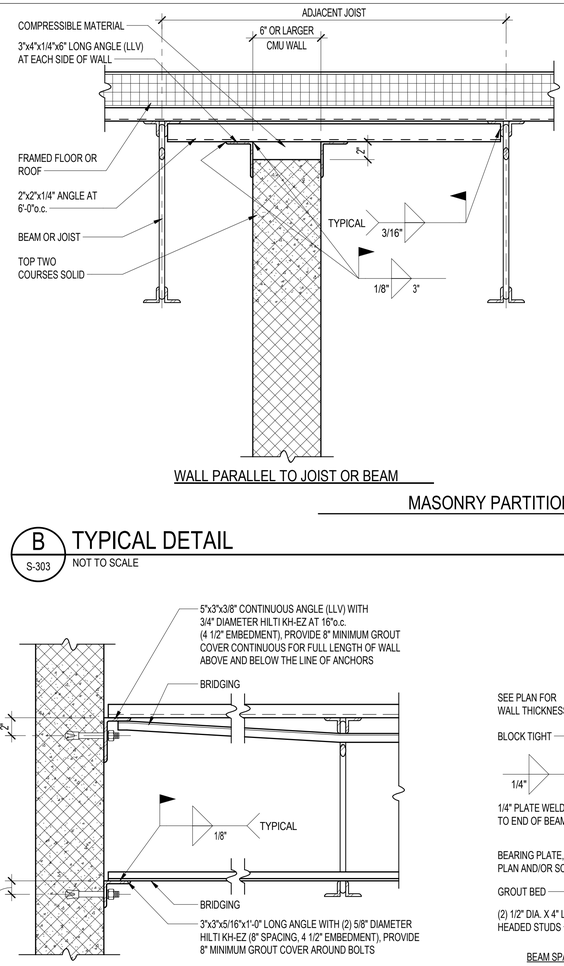
CMU REINFORCEMENT ADJACENT TO WALL OPENING

G TYPICAL DETAIL
S-303 — NOT TO SCALE



BEAM STIFFENER

H TYPICAL DETAIL
S-303 — NOT TO SCALE



WALL PARALLEL TO JOIST OR BEAM

WALL PERPENDICULAR TO JOIST OR BEAM

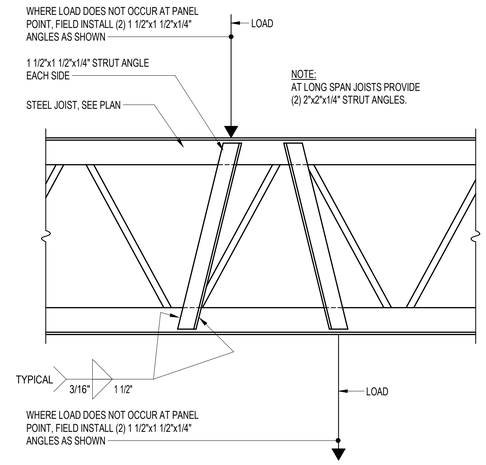
MASONRY PARTITION SUPPORT

B TYPICAL DETAIL
S-303 — NOT TO SCALE

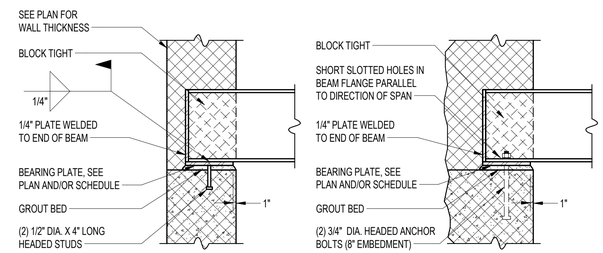
NOTE:
REQUIRED AT ALL MASONRY WALLS WHERE SPAN OF METAL DECK TERMINATES

DECK SUPPORT AND BRIDGING CONNECTION AT MASONRY WALL

C TYPICAL DETAIL
S-303 — NOT TO SCALE



JOIST LOAD STRUT DETAIL



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

F TYPICAL DETAIL
S-303 — NOT TO SCALE

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF | DWN BY: CF | CHKD BY: CR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: 1SW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS

805 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4874 fax

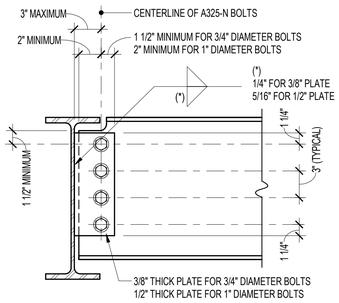
229 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2449 fax

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
S-303	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 187 OF 295	
DRAWING NUMBER	2025 - 1078
FILE NO.: 8	REV. 07.22

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

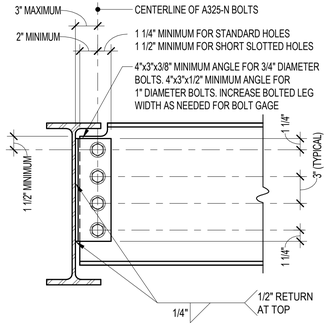


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.26", REDUCE ABOVE CAPACITY BY Tweb/0.26.
2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. SHORT SLOTTED HOLES SHALL BE USED.

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

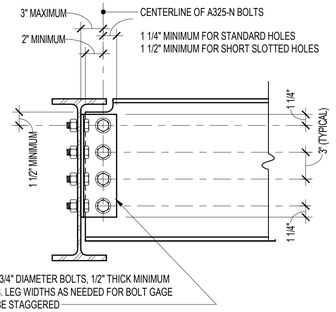


NOTES:
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2. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.34", REDUCE ABOVE CAPACITY BY Tweb/0.34.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE WELD CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.

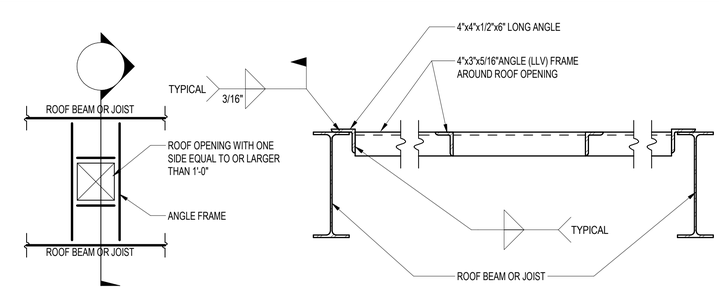
BOLTED/WELDED SINGLE ANGLE CONNECTION

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



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.

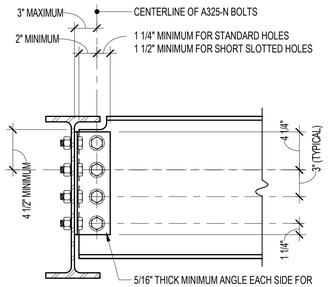


NOTES:
1. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF OPENINGS.
2. PROVIDE ANGLE FRAME AT ALL ROOF DRAINS.

B S-304 **TYPICAL DETAIL** — ROOF OPENING FRAME DETAIL
NOT TO SCALE

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

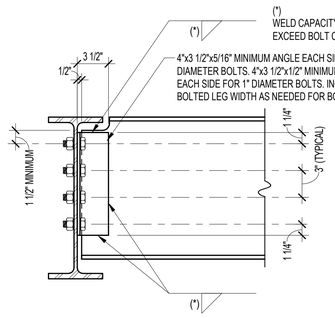


NOTES:
1. FOR 3/4" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.44", REDUCE ABOVE CAPACITY BY Tweb/0.44".
2. FOR 1" DIAMETER A325-N BOLTS AT SUPPORTED MEMBER WITH WEB LESS THAN 0.67", REDUCE ABOVE CAPACITY BY Tweb/0.67".
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE 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



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

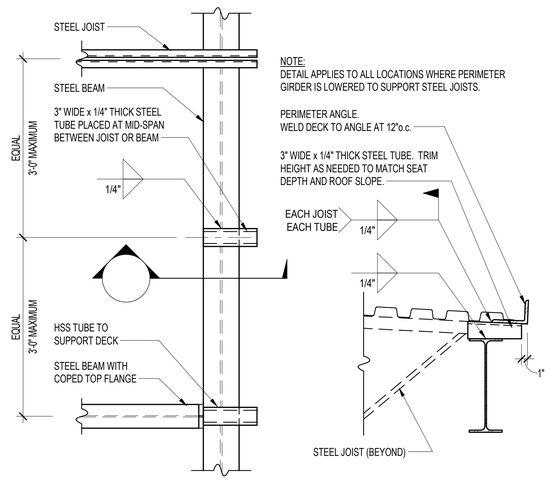
BOLTED / BOLTED SINGLE ANGLE CONNECTION

TYPICAL CONNECTION NOTES:

NOTE: 1
MINIMUM LENGTH OF CONNECTION SHALL BE ONE-HALF THE T-DIMENSION OF THE SUPPORTED MEMBER.

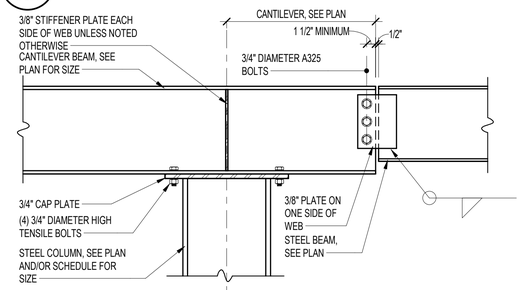
NOTE: 2
CONNECTION TABLES ALSO APPLY FOR BEAM TO COLUMN CONNECTIONS.

NOTE: 3
STEEL SHOP DRAWINGS THAT HAVE CONNECTIONS WHICH DO NOT CONFORM TO THE CONNECTIONS SHOWN IN THIS DETAIL WILL BE REJECTED.

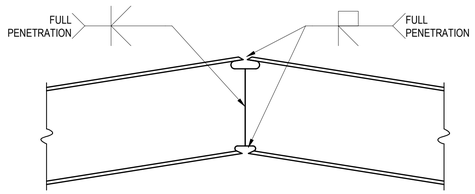


PERIMETER DECK SUPPORT AT ROOF

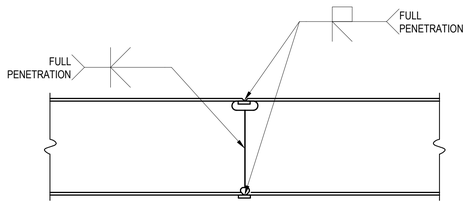
A S-304 **TYPICAL DETAIL**
NOT TO SCALE



CANTILEVER BEAM

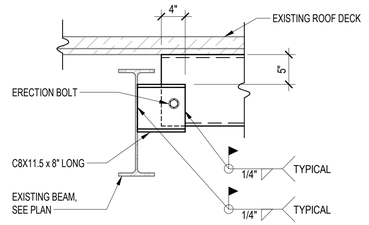


BENT BEAM



SPLICE IN BEAM

C S-304 **TYPICAL DETAIL**
NOT TO SCALE



CHANNEL CONNECTION TO EXISTING GIRDER

D S-304 **TYPICAL DETAIL**
NOT TO SCALE

E S-304 **TYPICAL DETAIL**
NOT TO SCALE

F S-304 **TYPICAL DETAIL**
NOT TO SCALE

G S-304 **SECTION**
NOT TO SCALE

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401
717-846-8627 voice 717-843-2448 fax

SEAL: STATE OF MARYLAND — RODRIGO H. CHACON — No. 14429 — 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. 14429, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DESIGNED BY: CF	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: CF	REVIEWED BY:							
CHKD BY: CR	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

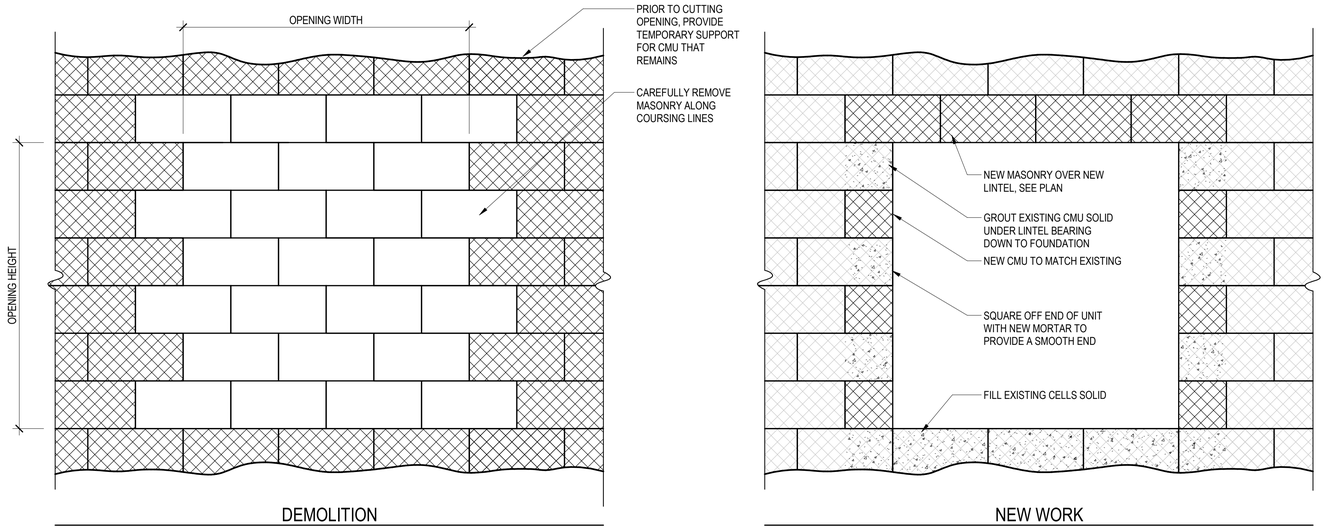
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

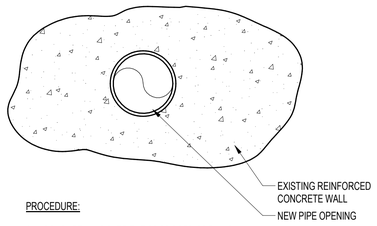
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-304	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 188 OF 295	
DRAWING NUMBER	2025 - 1079
FILE NO.: 8	REV. 01.00



OPENING THROUGH EXISTING WALL

A TYPICAL DETAIL
S-305 — NOT TO SCALE



PROCEDURE:

1. ACCURATELY LOCATE THE PROPOSED OPENING.
2. SURVEY THE AREA AROUND THE OPENING. INFORM PROJECT MANAGER AND STRUCTURAL ENGINEER OF ANY CONFLICTS AND OBSTRUCTIONS FOUND.
3. SCAN AREA TO LOCATE ALL REINFORCING IN THE WALL.
4. REPOSITION OPENING TO AVOID REINFORCING. PREPARE A DETAILED DRAWING(S) SHOWING THE LOCATION OF ALL THE REINFORCING FOUND, THE FINAL LOCATION OF THE PROPOSED OPENING AND DIMENSIONS TO THE PROPOSED OPENING FROM AN EXISTING WALL OR COLUMN. SUBMIT INFORMATION TO THE PROJECT MANAGER AND STRUCTURAL ENGINEER FOR REVIEW. THE STRUCTURAL ENGINEER WILL THEN DETERMINE IF THE OPENING CAN BE CUT.
5. PROCEED TO STEPS BELOW AFTER APPROVAL TO CUT THE OPENING HAS BEEN RECEIVED FROM THE STRUCTURAL ENGINEER.
6. CORE OPENING THRU THE WALL.

NEW PIPE OPENING IN EXISTING CONCRETE WALL

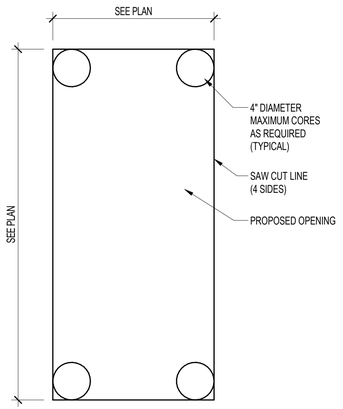
D TYPICAL DETAIL
S-305 — NOT TO SCALE

NOTES:

1. IF SLAB OR WALL OPENING SHOWN ON PLAN, PROCEDURE NUMBERS 3, 4 AND 5 ARE NOT APPLICABLE.
2. DETAIL ALSO APPLIES TO ROUND OPENINGS.
3. PROCEDURE NUMBERS 7 AND 8 ARE NOT APPLICABLE TO ROUND OPENINGS.
4. ROUND OPENINGS SHALL BE CORED DRILLED.

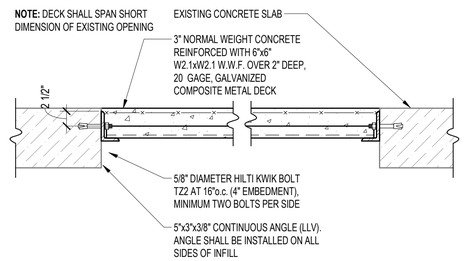
PROCEDURE:

1. ACCURATELY LOCATE PROPOSED OPENING.
2. SURVEY AREA-BELOW OPENING (SLAB OPENING). INFORM ARCHITECT AND STRUCTURAL ENGINEER OF ANY CONFLICTS WITH EXISTING SYSTEM.
3. SCAN AREA TO LOCATE ALL REINFORCING AND SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
4. STRUCTURAL ENGINEER WILL DETERMINE IF OPENING CAN BE CUT.
5. PROCEED TO STEPS BELOW AFTER APPROVAL TO CUT OPENING HAS BEEN RECEIVED FROM THE STRUCTURAL ENGINEER.
6. PROVIDE FALSE WORK AS REQUIRED BELOW PROPOSED OPENING (SLAB OPENING).
7. CORE THRU SLAB OR WALL AT EACH CORNER OF PROPOSED OPENING.
8. SAW CUT SLAB OR WALL BETWEEN CORES. DO NOT OVERCUT.
9. PROVIDE WATERTIGHT ENCLOSURE PRIOR TO CUTTING HOLES THRU EXISTING FLOOR.



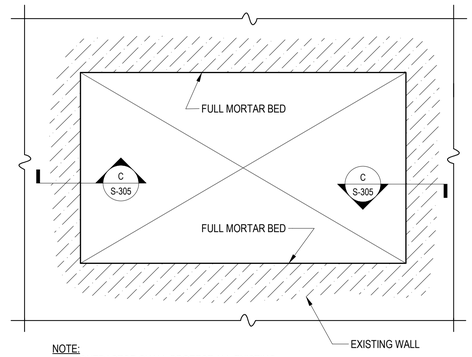
OPENING THRU MAT SLAB, FRAMED SLAB, OR WALL

E TYPICAL DETAIL
S-305 — NOT TO SCALE



EXISTING ELEVATED SLAB OPENING INFILL

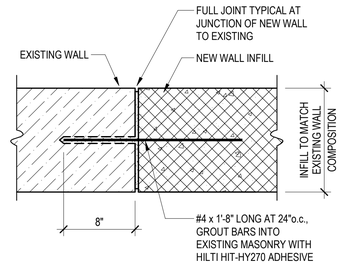
F TYPICAL DETAIL
S-305 — NOT TO SCALE



NOTE:
THE CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, PIPING, ETC. DURING MASONRY WORK.

MASONRY WALL INFILL

B TYPICAL DETAIL
S-305 — NOT TO SCALE



NOTES:

1. SECTION APPLIES AT SIDES OF OPENING TO BE INFILLED. ALTERNATIVELY, THE MASONRY MAY BE TOOTHED INTO THE EXISTING MASONRY PER THE MASONRY INFILL GENERAL NOTES ON S-001
2. PROVIDE FULL MORTAR JOINT BETWEEN EXISTING AND NEW WALL INFILL. TYPICAL AT SIDES, TOP AND BOTTOM.
3. IF REQUIRED, PROVIDE VERTICAL REINFORCEMENT AS NOTED ON PLAN.

C TYPICAL DETAIL
S-305 — NOT TO SCALE

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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					7NE28
			R.O.W NO.	ISW	7NE29
CONTRACT COMPLETION BOX					8NE28
					8NE29

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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DRAWING SCALE
PLAN SCALE: As indicated
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DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

RENOVATION & ADDITION

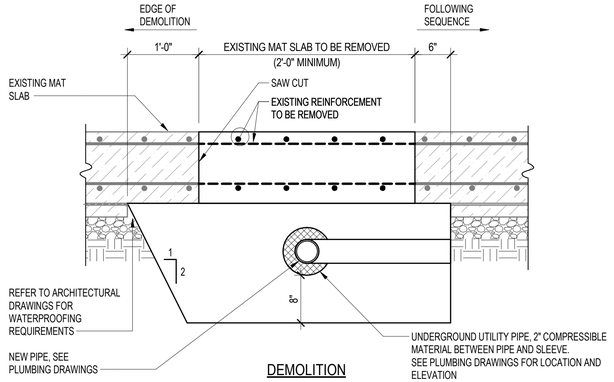
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ELECTION DIST. NO.: 15C7

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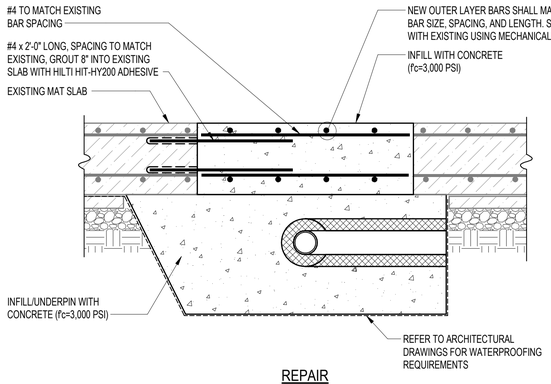
SHEET DESIGNATION	CONTRACT NUMBER
S-305	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 189 OF 295
	DRAWING NUMBER
	2025 - 1080
	FILE NO.: 8



DEMOLITION

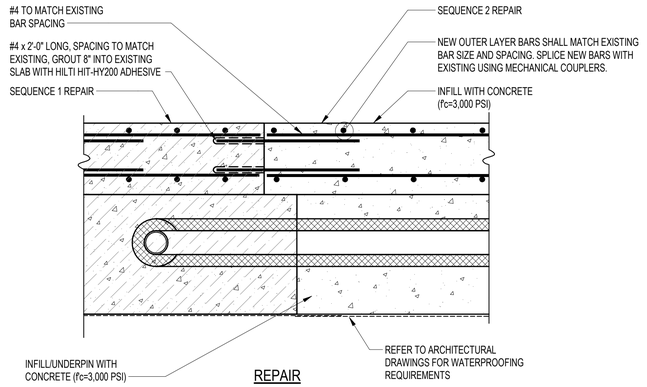
NOTES:

1. WHERE REINFORCING IN SECONDARY LAYER IS #5 OR LARGER, SPLICE NEW REBAR TO EXISTING WITH MECHANCIAL COUPLER AND RESTORE TO EXISTING LENGTH.
2. UNDERPIN AND INFILL CONCRETE SHALL ACHIEVE DESIGN STRENGTH PRIOR TO STARTING NEXT SEQUENCE.
3. BUILDING SITE HAS A HIGH WATER TABLE. DEWATERING OPERATIONS WILL BE REQUIRED DURING CONSTRUCTION ACTIVITIES. REFER TO GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR DEWATERING REQUIREMENTS.



REPAIR

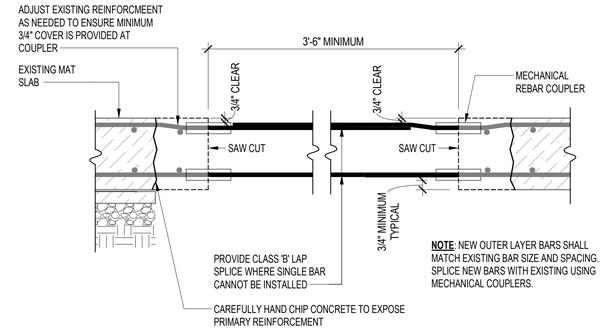
NEW PIPE UNDER EXISTING MAT SLAB-
SEQUENCE 1



REPAIR

NEW PIPE UNDER EXISTING MAT SLAB-
SEQUENCE 2

A S-306 TYPICAL DETAIL
NOT TO SCALE



MAT SLAB PRIMARY REINFORCEMENT REPAIR

B S-306 TYPICAL DETAIL
NOT TO SCALE

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201
410-625-4833 Voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401
717-848-9827 Voice 717-843-2448 fax

SEAL: STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE : JULY 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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF | DRN BY: CF | CHKD BY: CR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

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

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

TYPICAL DETAILS

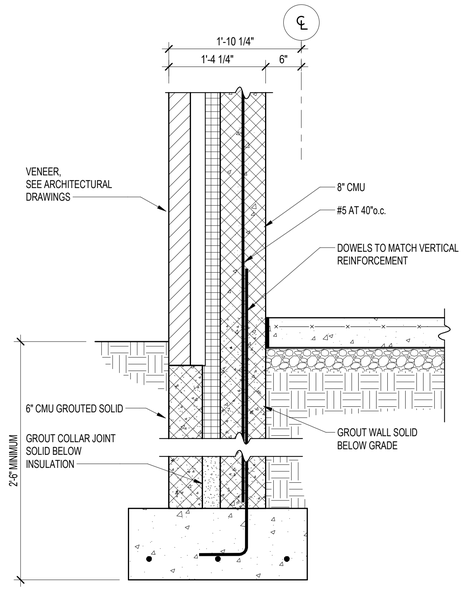
RENOVATION & ADDITION

SUBDIVISION: ESSEX

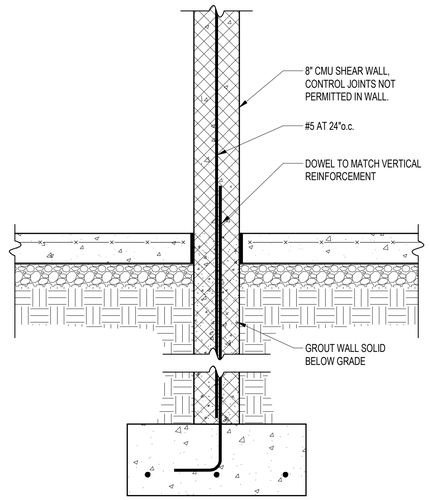
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

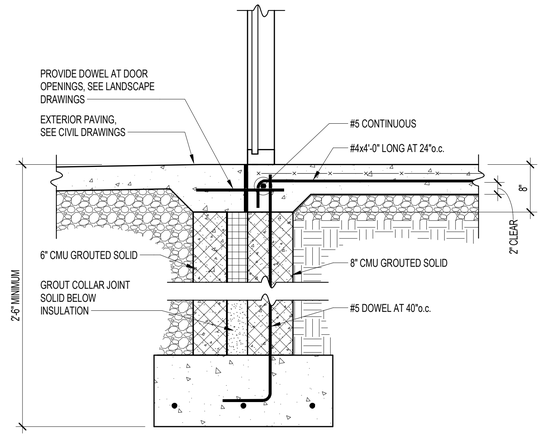
SHEET DESIGNATION	CONTRACT NUMBER
S-306	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 190 OF 295	
DRAWING NUMBER	
2025 - 1081	
FILE NO.: 8	REV. 07.22



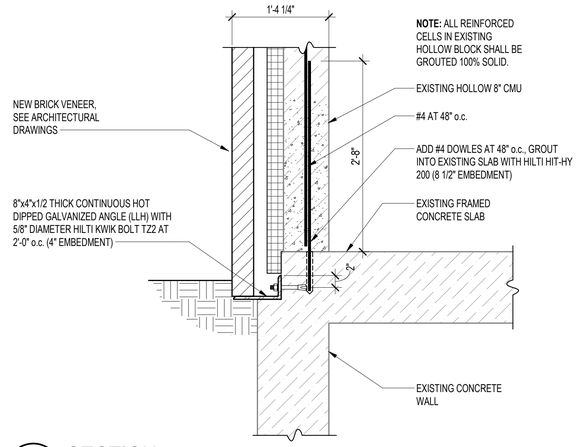
A SECTION
S-401 SCALE: 1" = 1'-0"



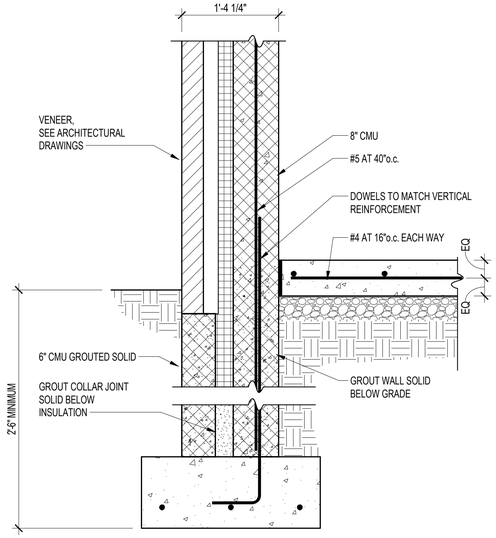
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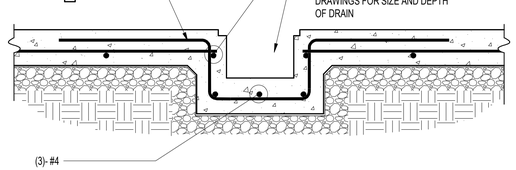
C SECTION
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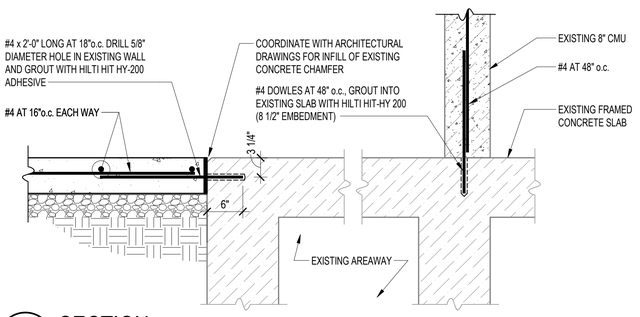
D SECTION
S-401 SCALE: 1" = 1'-0"



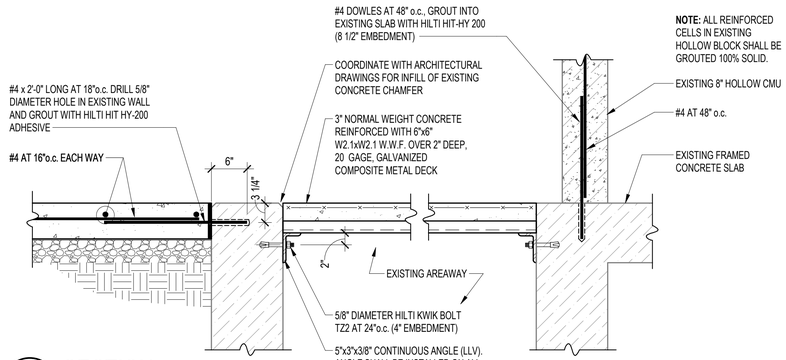
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S-401 SCALE: 1" = 1'-0"



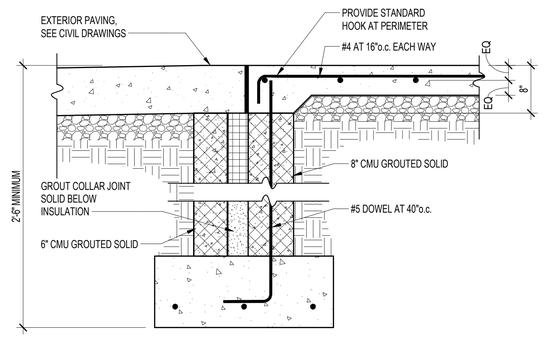
E SECTION
S-401 SCALE: 1" = 1'-0"



H SECTION
S-401 SCALE: 1" = 1'-0"



F SECTION
S-401 SCALE: 1" = 1'-0"



J SECTION
S-401 SCALE: 1" = 1'-0"

K SECTION
S-401 SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND · RODRIGO H. CHACON · No. 14479 · PROFESSIONAL ENGINEER

DATE : JULY 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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

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.	ISW	7NE28 7NE29 8NE28 8NE29

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:							

DGN BY: CF
DRN BY: CF
CHKD BY: CR

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

SECTIONS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

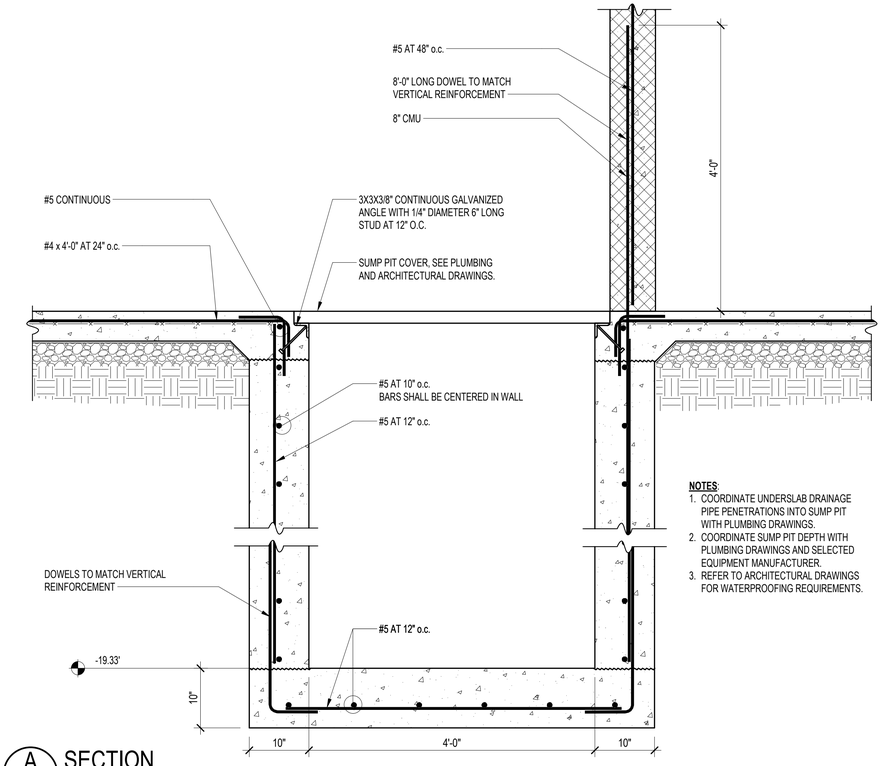
Murphy & Dittenhafer ARCHITECTS

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

229 West Market Street, York, Pennsylvania 17401
717-848-8627 voice 717-843-3449 fax

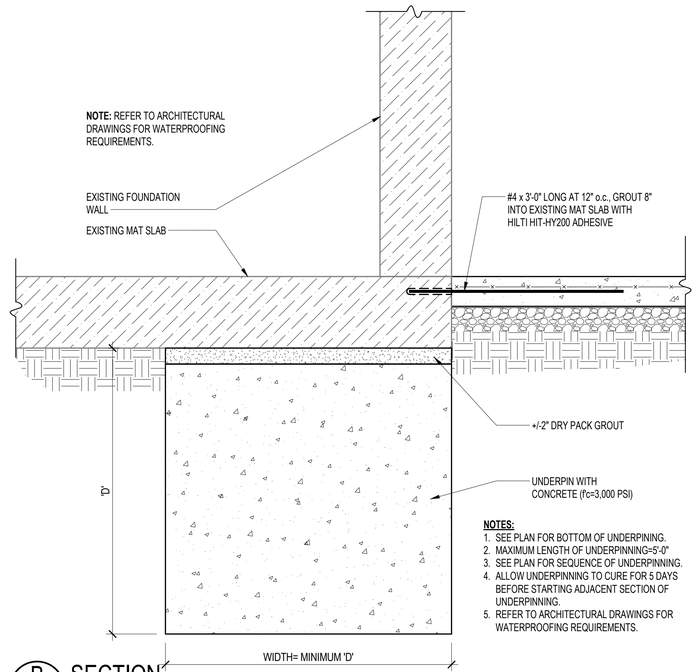
SHEET DESIGNATION	CONTRACT NUMBER
S-401	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 191 OF 295
	DRAWING NUMBER
	2025 - 1082
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



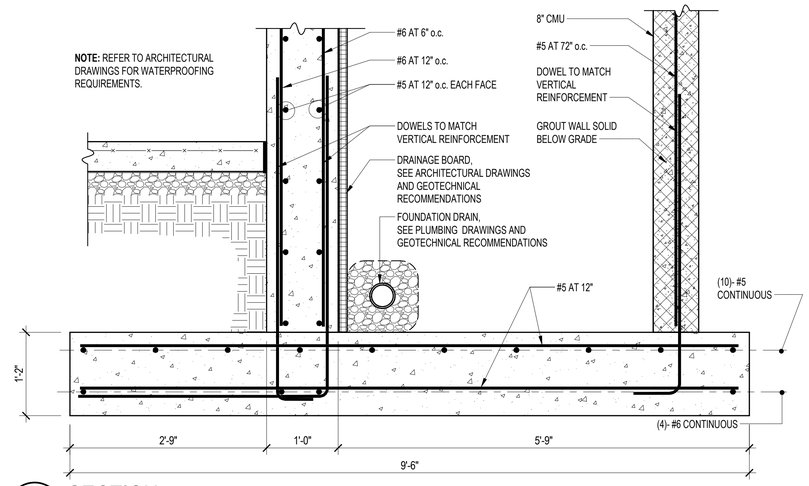
NOTES:
1. COORDINATE UNDERSLAB DRAINAGE PIPE PENETRATIONS INTO SUMP PIT WITH PLUMBING DRAWINGS.
2. COORDINATE SUMP PIT DEPTH WITH PLUMBING DRAWINGS AND SELECTED EQUIPMENT MANUFACTURER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING REQUIREMENTS.

A SECTION
S-402
SCALE: 1" = 1'-0"

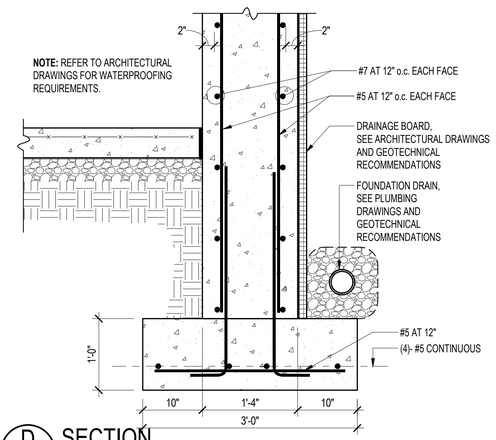


NOTES:
1. SEE PLAN FOR BOTTOM OF UNDERPINING.
2. MAXIMUM LENGTH OF UNDERPINNING=5'-0"
3. SEE PLAN FOR SEQUENCE OF UNDERPINNING.
4. ALLOW UNDERPINNING TO CURE FOR 5 DAYS BEFORE STARTING ADJACENT SECTION OF UNDERPINNING.
5. REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING REQUIREMENTS.

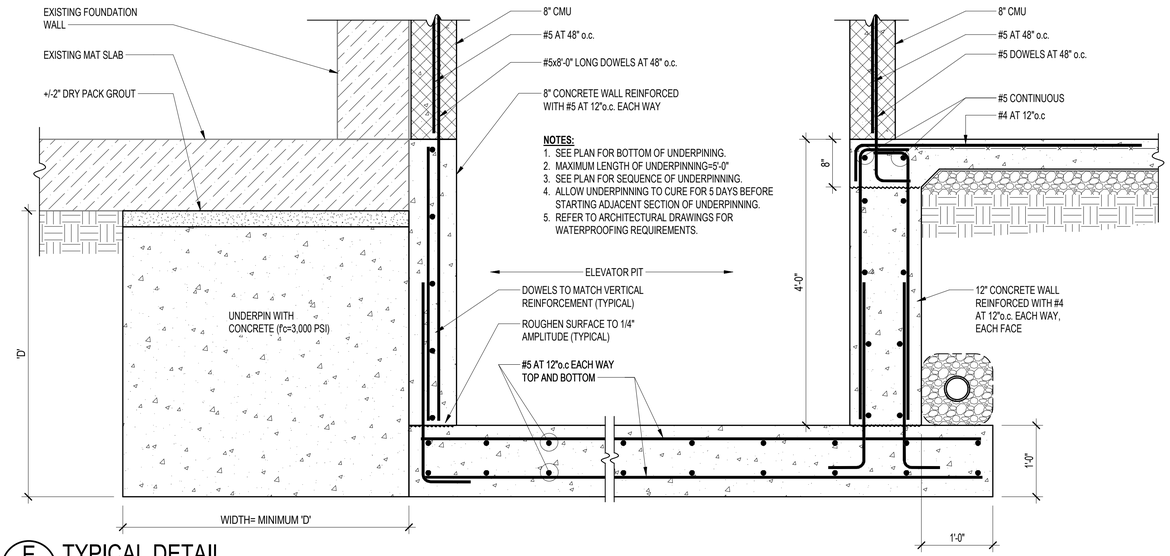
B SECTION
S-402
SCALE: 1" = 1'-0"



C SECTION
S-402
SCALE: 1" = 1'-0"

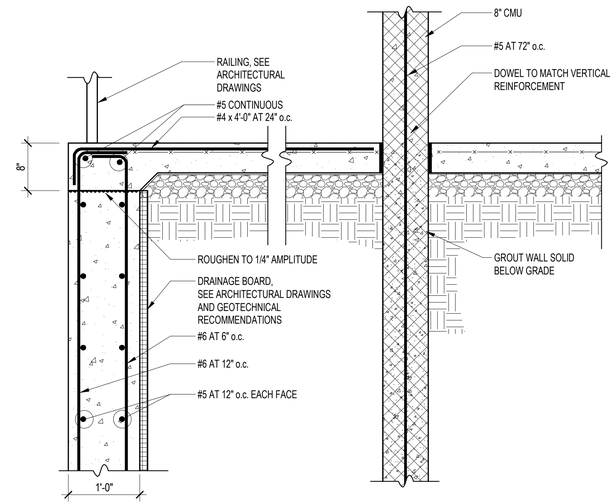


D SECTION
S-402
SCALE: 1" = 1'-0"



NOTES:
1. SEE PLAN FOR BOTTOM OF UNDERPINING.
2. MAXIMUM LENGTH OF UNDERPINNING=5'-0"
3. SEE PLAN FOR SEQUENCE OF UNDERPINNING.
4. ALLOW UNDERPINNING TO CURE FOR 5 DAYS BEFORE STARTING ADJACENT SECTION OF UNDERPINNING.
5. REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING REQUIREMENTS.

E TYPICAL DETAIL
S-402
NOT TO SCALE



F SECTION
S-402
SCALE: 1" = 1'-0"

Murphy & Dittenhafer
ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4620 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401
717-846-8627 voice 717-843-2448 fax

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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: JULY 14, 2025

DGN BY:	CF
DWN BY:	CF
CHKD BY:	CR

AS-BUILT / REVISION

BY	DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

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

ESSEX POLICE PRECINCT - 11

SECTIONS

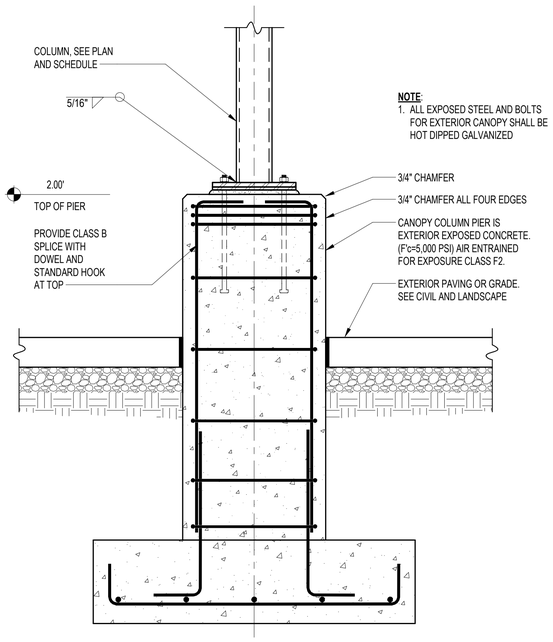
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

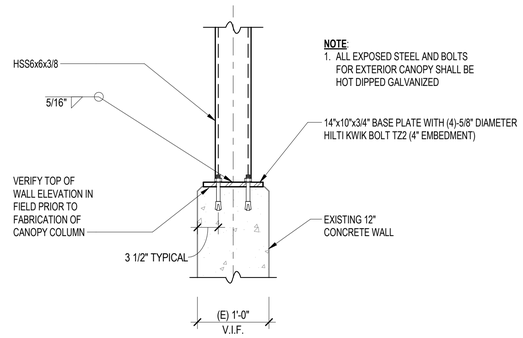
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

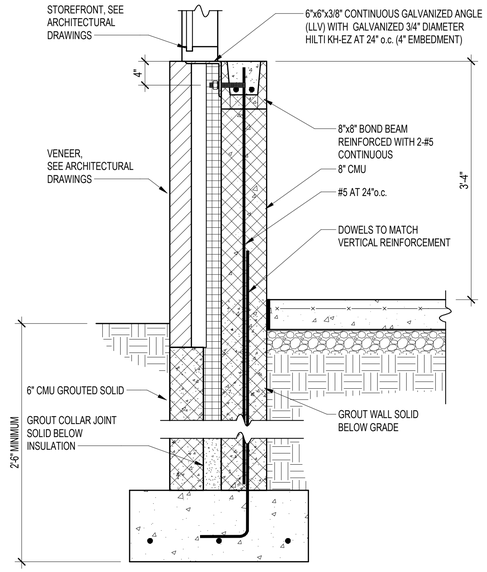
SHEET DESIGNATION	CONTRACT NUMBER
S-402	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 192 OF 295	
DRAWING NUMBER	2025 - 1083
FILE NO.: 8	REV. 07/21



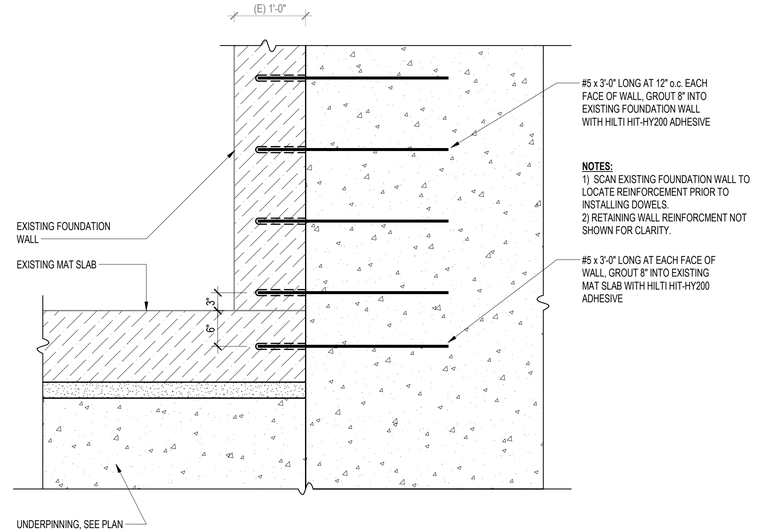
A S-403 SECTION
SCALE: 1" = 1'-0"



B S-403 SECTION
SCALE: 1" = 1'-0"



C S-403 SECTION
SCALE: 1" = 1'-0"



D S-403 SECTION
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: CF
DWN BY: CF
CHKD BY: CR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	ISW	7NE28
R.O.W NO.		7NE29
		8NE28
		8NE29

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

ESSEX POLICE PRECINCT - 11

SECTIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

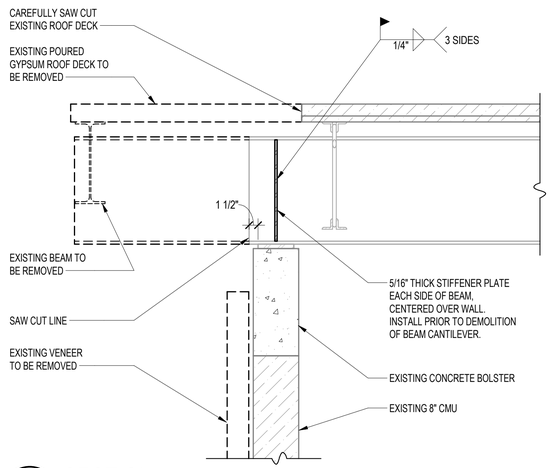
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

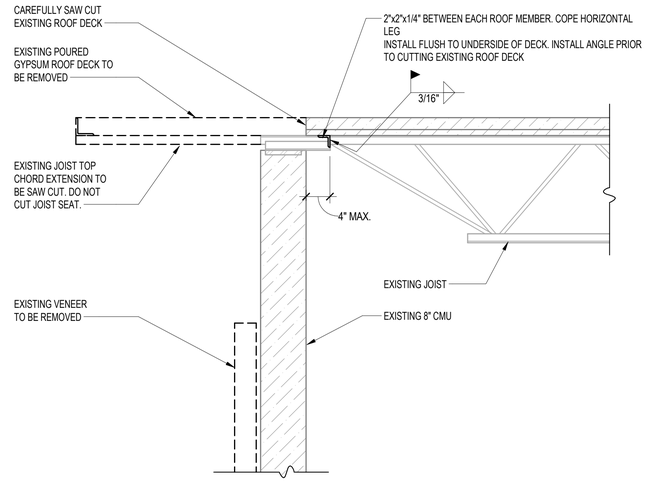
Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
717-846-8827 voice 717-843-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
S-403	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 193 OF 295	
DRAWING NUMBER	2025 - 1084
FILE NO.: 8	REV. 05.22

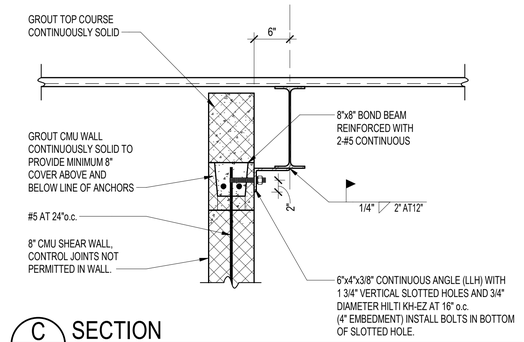
BALTIMORE COUNTY MARYLAND



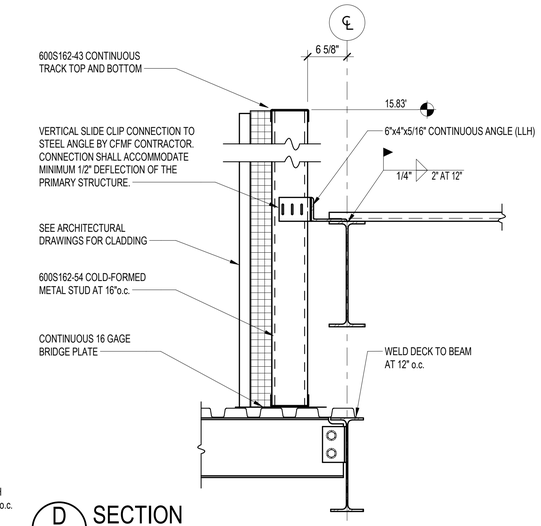
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SCALE: 1" = 1'-0"



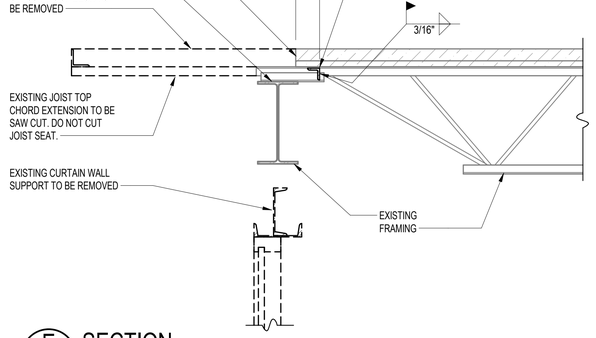
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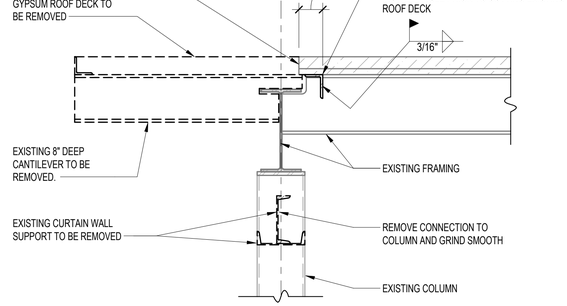
C S-501 SECTION
SCALE: 1" = 1'-0"



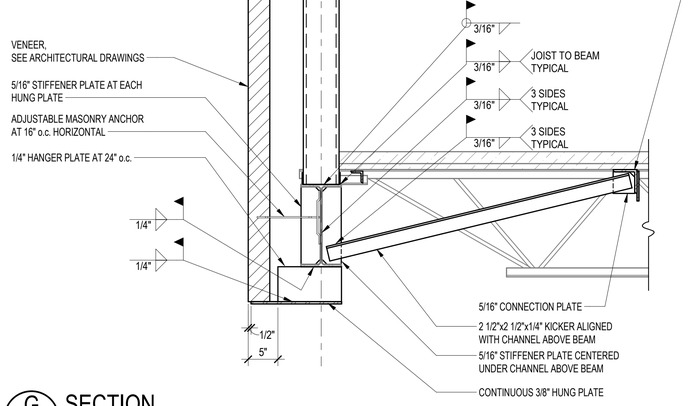
D S-501 SECTION
SCALE: 1" = 1'-0"



E S-501 SECTION
SCALE: 1" = 1'-0"



F S-501 SECTION
SCALE: 1" = 1'-0"



G S-501 SECTION
SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND
RODRIGO H. CHACON
No. 14479
PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 14479 EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: CF
DRN BY: CF
CHKD BY: CR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

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

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

SECTIONS

RENOVATION & ADDITION

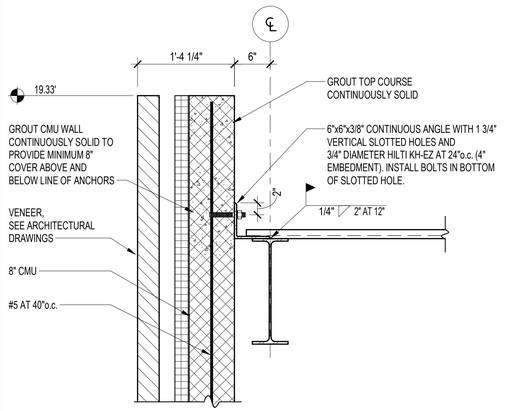
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

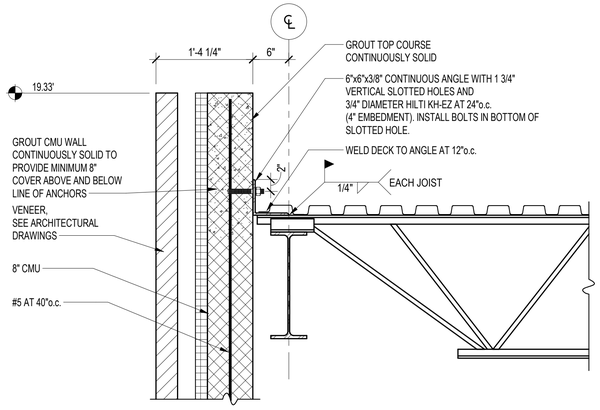
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer
ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
717-848-8827 voice 717-843-2448 fax

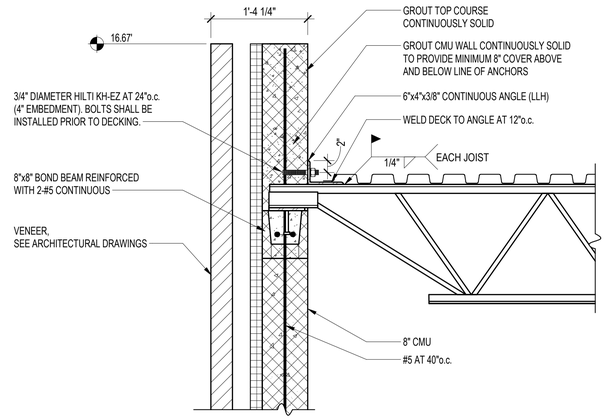
SHEET DESIGNATION	CONTRACT NUMBER
S-501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 194 OF 295
	DRAWING NUMBER
	2025 - 1085
	FILE NO.: 8



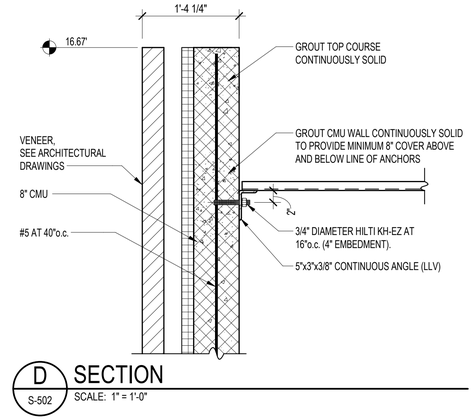
A SECTION
S-502 SCALE: 1" = 1'-0"



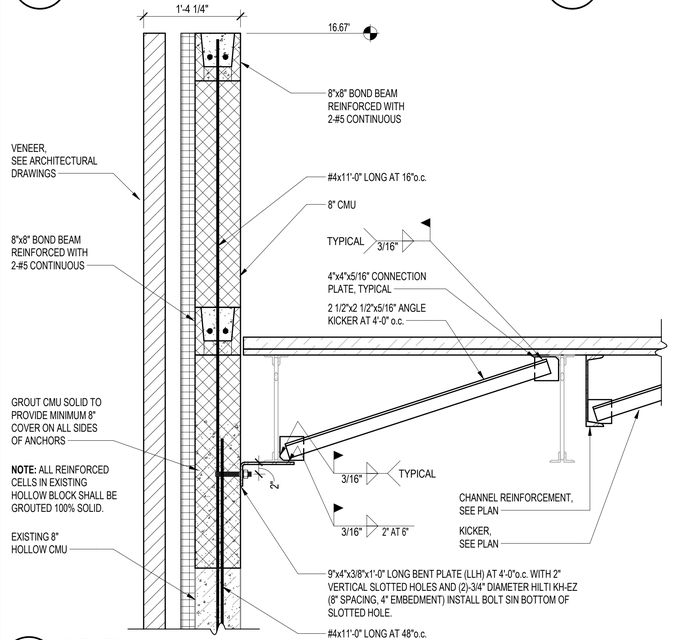
B SECTION
S-502 SCALE: 1" = 1'-0"



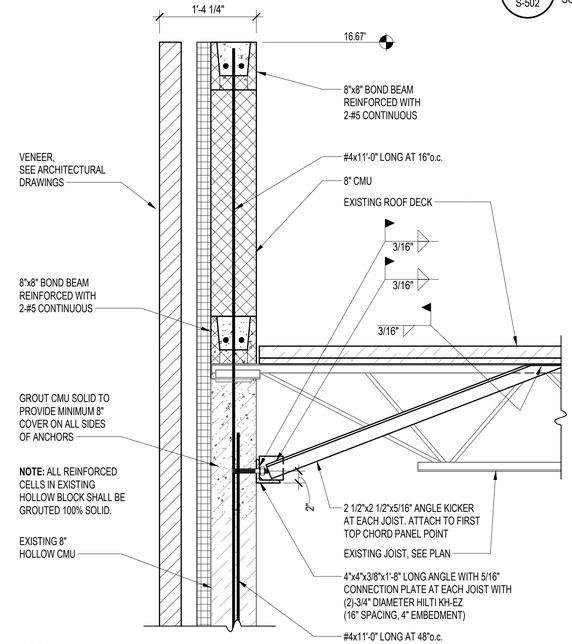
C SECTION
S-502 SCALE: 1" = 1'-0"



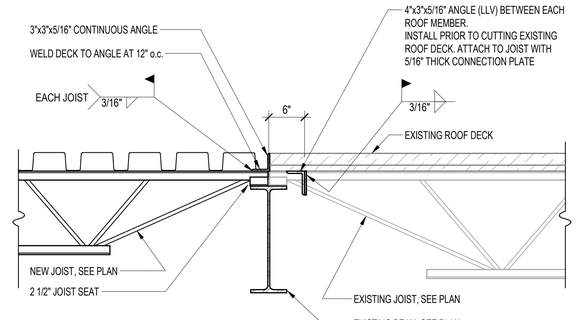
D SECTION
S-502 SCALE: 1" = 1'-0"



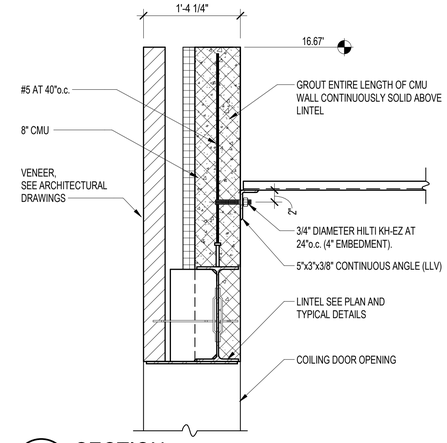
E SECTION
S-502 SCALE: 1" = 1'-0"



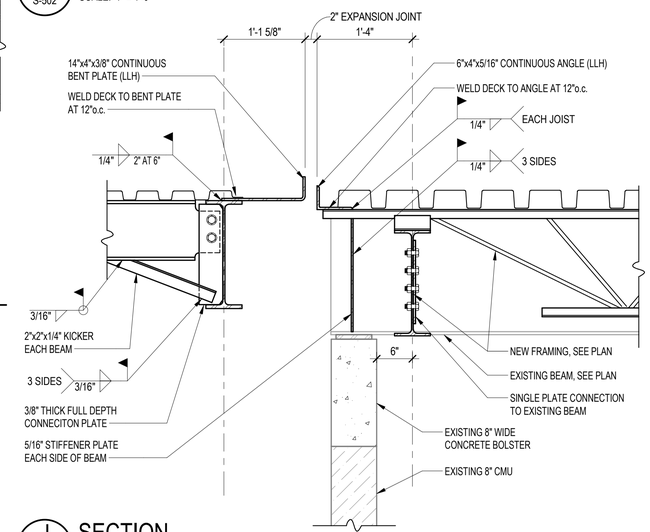
F SECTION
S-502 SCALE: 1" = 1'-0"



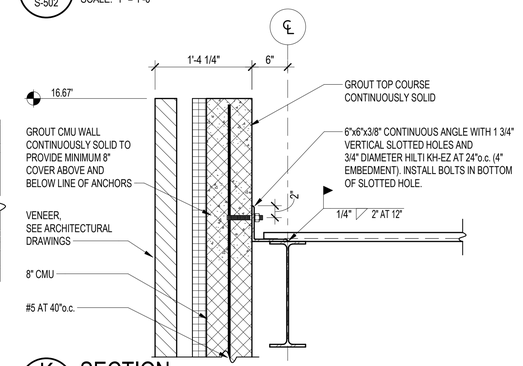
G SECTION
S-502 SCALE: 1" = 1'-0"



H SECTION
S-502 SCALE: 1" = 1'-0"



J SECTION
S-502 SCALE: 1" = 1'-0"



K SECTION
S-502 SCALE: 1" = 1'-0"

Murphy & Dittenhafer
ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201 410-625-4633 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2448 fax

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14479 EXPIRATION DATE: 06/22/2027

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: CF
DRN BY: CF
CHKD BY: CR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | R.O.W NO. | KEY SHEET: 1SW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

SECTIONS

RENOVATION & ADDITION

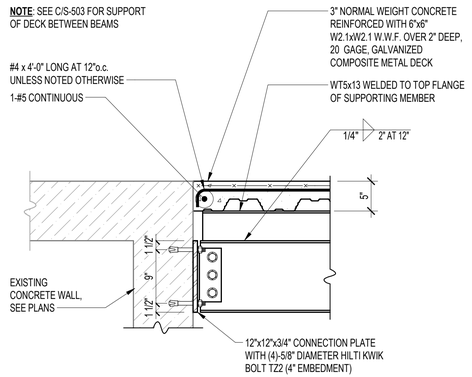
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

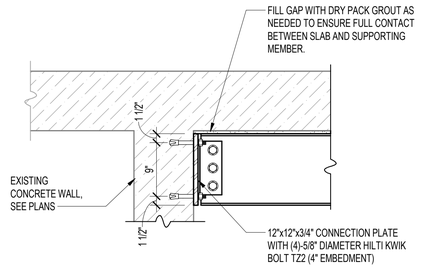
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-502	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 195 OF 295
	DRAWING NUMBER
	2025 - 1086
	FILE NO.: 8 REV. 07.22

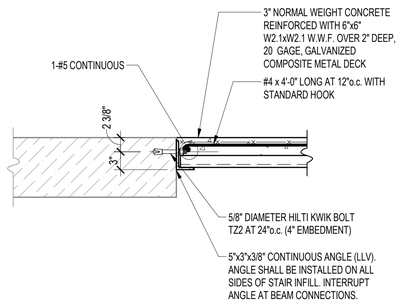
BALTIMORE COUNTY MARYLAND



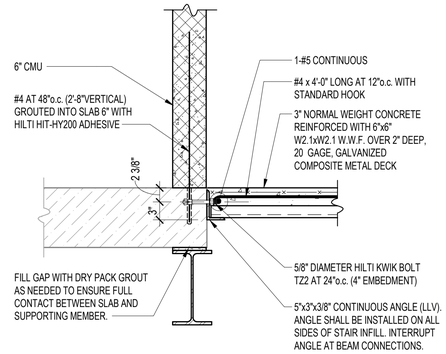
A S-503 SECTION
SCALE: 1" = 1'-0"



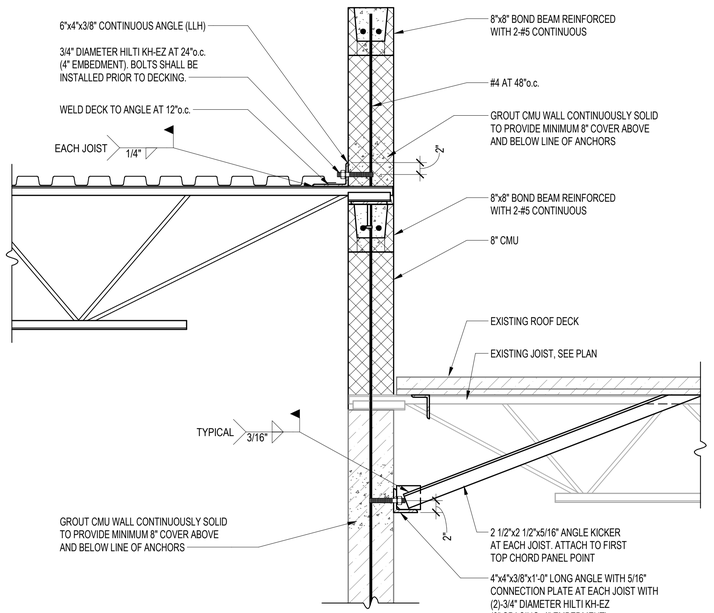
B S-503 SECTION
SCALE: 1" = 1'-0"



C S-503 SECTION
SCALE: 1" = 1'-0"



D S-503 SECTION
SCALE: 1" = 1'-0"



E S-503 SECTION
SCALE: 1" = 1'-0"

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401
717-846-8827 voice 717-843-3448 fax

SHEET DESIGNATION	CONTRACT NUMBER
S-503	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 196 OF 295
	DRAWING NUMBER
	2025 - 1087
	FILE NO.: 8

SEAL
STATE OF MARYLAND — RODRIGO H. CHACON — No. 14429 — PROFESSIONAL ENGINEER
DATE : JULY 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. 14429 EXPIRATION DATE: 06/22/2027

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: CF
DWN BY: CF
CHKD BY: CR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

SECTIONS

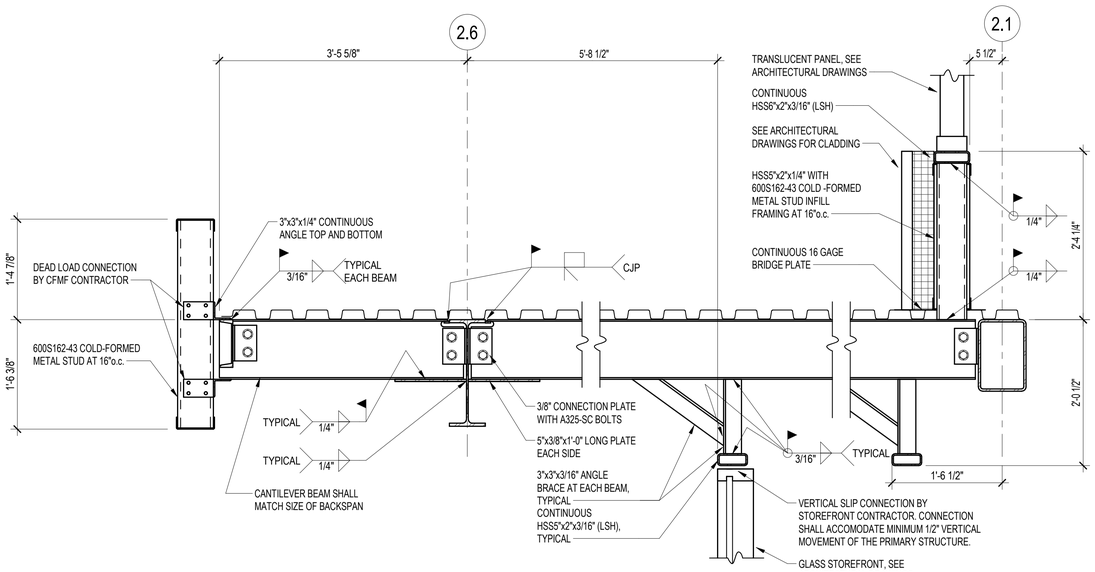
RENOVATION & ADDITION

SUBDIVISION: ESSEX

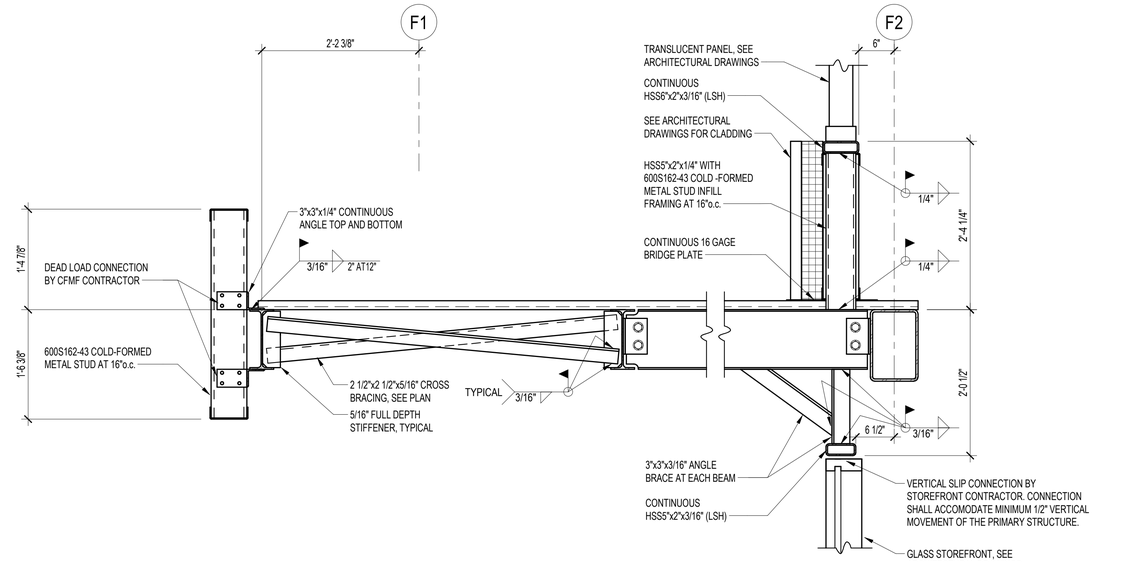
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

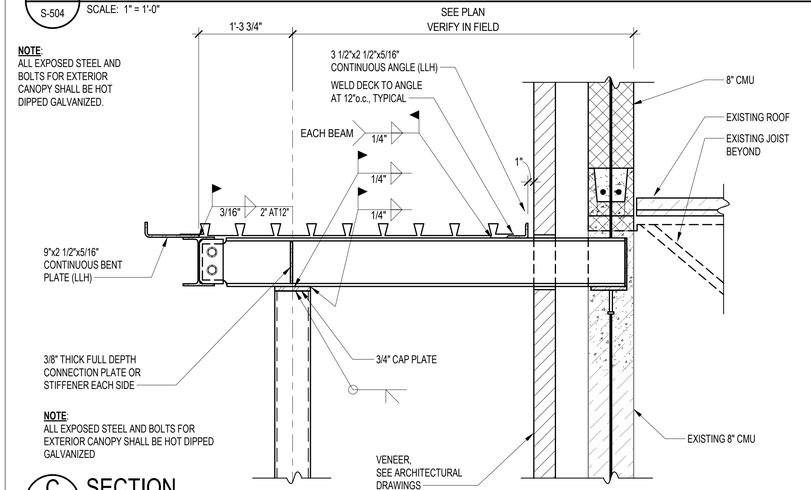


A SECTION
S-504
SCALE: 1" = 1'-0"

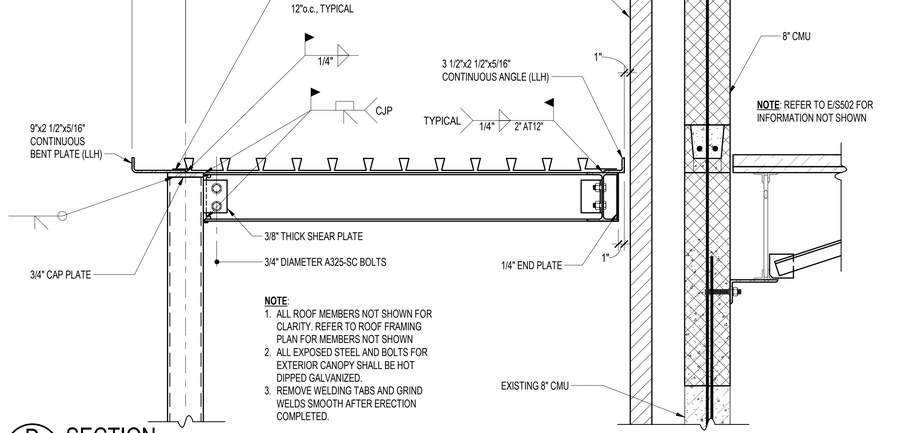


B SECTION
S-504
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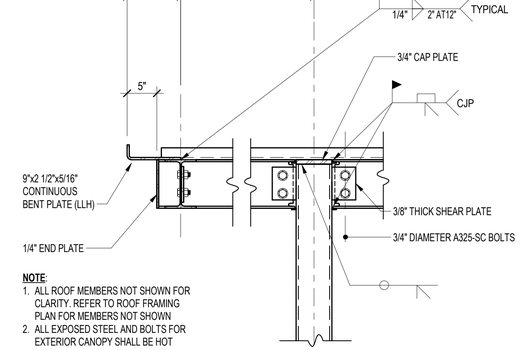
NOTE:
ALL EXPOSED STEEL AND BOLTS FOR EXTERIOR CANOPY SHALL BE HOT DIPPED GALVANIZED.



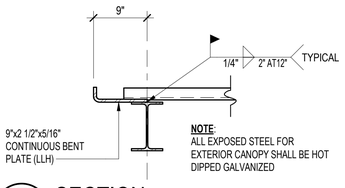
C SECTION
S-504
SCALE: 1" = 1'-0"



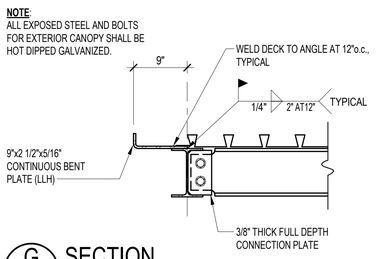
D SECTION
S-504
SCALE: 1" = 1'-0"



E SECTION
S-504
SCALE: 1" = 1'-0"



F SECTION
S-504
SCALE: 1" = 1'-0"



G SECTION
S-504
SCALE: 1" = 1'-0"

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. 14479 EXPIRATION DATE: 06/22/2027

ENGINEER: RODRIGO H. CHACON
AS-BUILT PER RECORD PRINT
BY:
DATE: JULY 14, 2025

DGN BY: CF
DRN BY: CF
CHKD BY: CR

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					7NE28
					7NE29
			R.O.W NO.	ISW	8NE28
CONTRACT COMPLETION BOX					8NE29

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

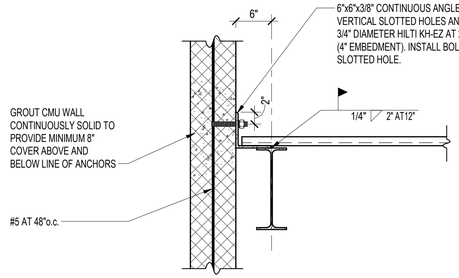
PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

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

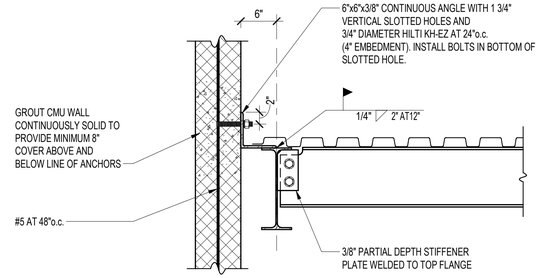
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
SECTIONS
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-843-2448 fax

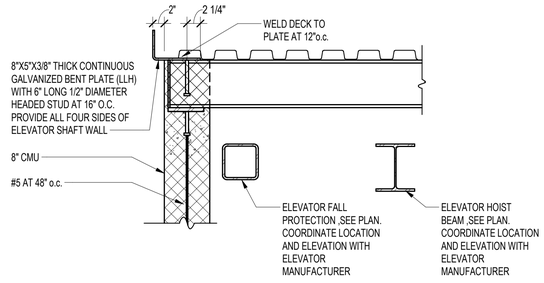
SHEET DESIGNATION	CONTRACT NUMBER
S-504	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 197 OF 295	
DRAWING NUMBER	
2025 - 1088	
FILE NO.: 8	REV. 07/22



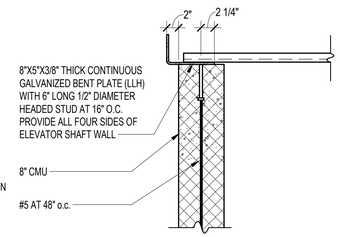
A SECTION
S-505 SCALE: 1" = 1'-0"



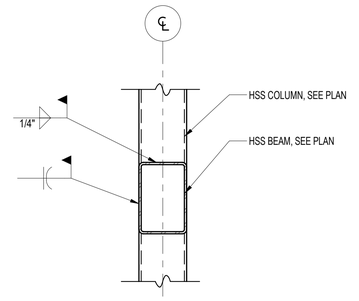
B SECTION
S-505 SCALE: 1" = 1'-0"



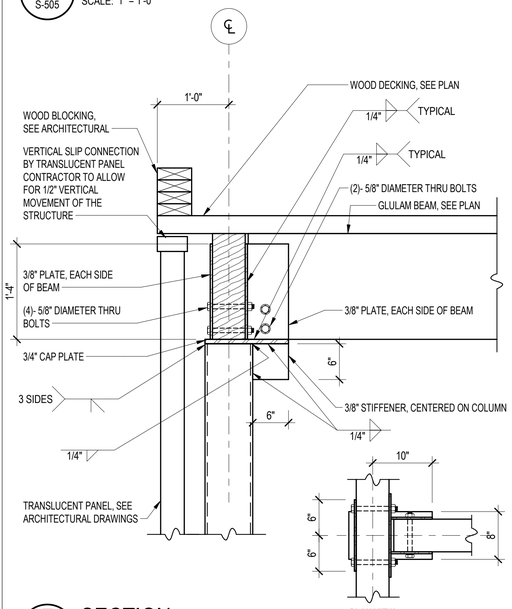
C SECTION
S-505 SCALE: 1" = 1'-0"



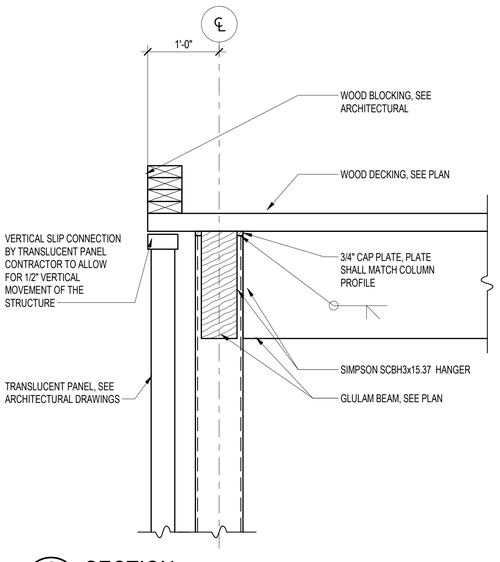
D SECTION
S-505 SCALE: 1" = 1'-0"



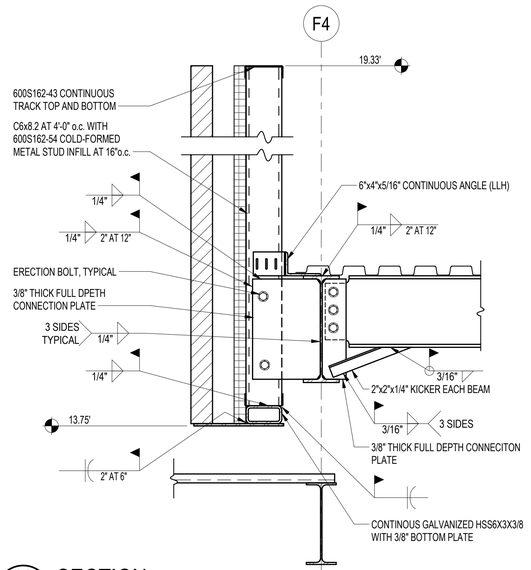
E SECTION
S-505 SCALE: 1" = 1'-0"



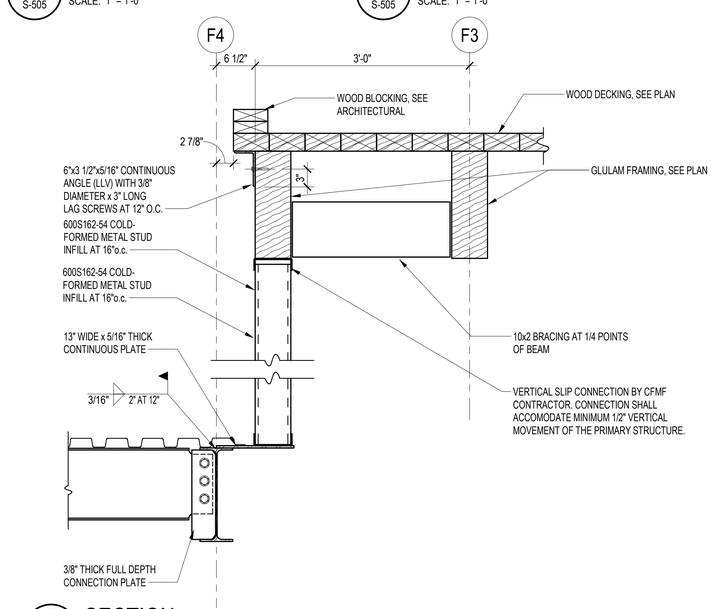
F SECTION
S-505 SCALE: 1" = 1'-0"



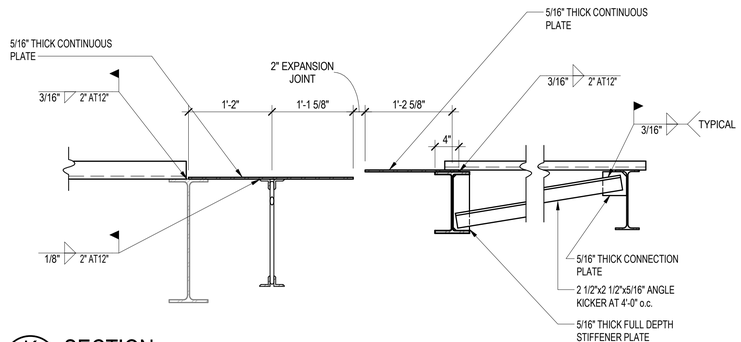
G SECTION
S-505 SCALE: 1" = 1'-0"



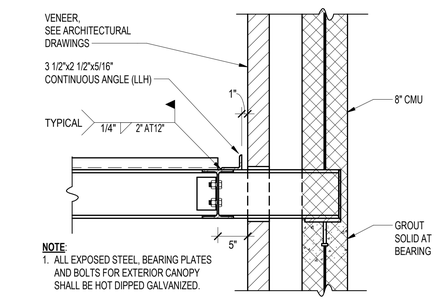
H SECTION
S-505 SCALE: 1" = 1'-0"



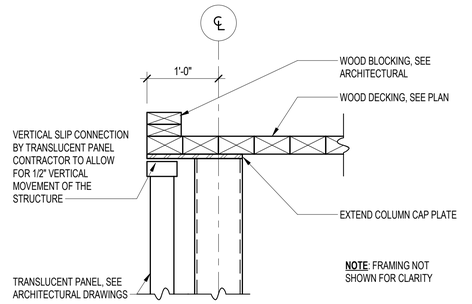
J SECTION
S-505 SCALE: 1" = 1'-0"



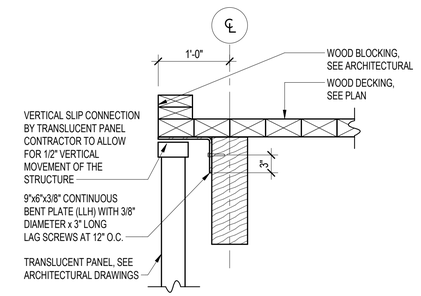
K SECTION
S-505 SCALE: 1" = 1'-0"



L SECTION
S-505 SCALE: 1" = 1'-0"



M SECTION
S-505 SCALE: 1" = 1'-0"



N SECTION
S-505 SCALE: 1" = 1'-0"

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4833 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401
717-848-4827 voice 717-843-2448 fax

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. 14479 EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: CF
DRN BY: CF
CHKD BY: CR

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

ESSEX POLICE PRECINCT - 11

SECTIONS

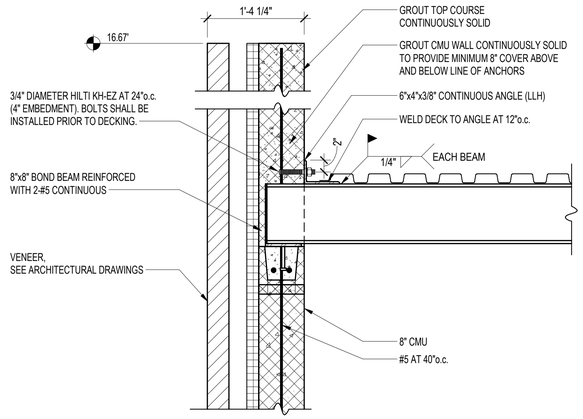
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

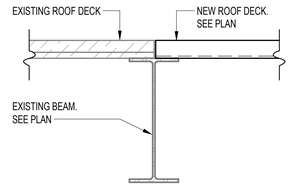
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
S-505	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 198 OF 295	
DRAWING NUMBER	2025 - 1089
FILE NO.: 8	REV. 07/22



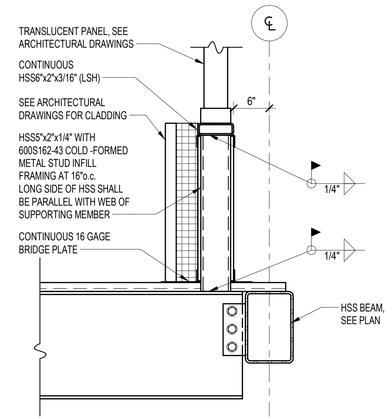
A S-506 **SECTION**

SCALE: 1" = 1'-0"



B S-506 **SECTION**

SCALE: 1" = 1'-0"



C S-506 **SECTION**

SCALE: 1" = 1'-0"

SEAL

STATE OF MARYLAND — RODRIGO H. CHACON — No. 14479 — PROFESSIONAL ENGINEER

DATE : JULY 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. 14479, EXPIRATION DATE 06/22/2027.

ENGINEER: RODRIGO H. CHACON

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: CF
DWN BY: CF
CHKD BY: CR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
	ISW	7NE28 7NE29 8NE28 8NE29
R.O.W NO.		

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

ESSEX POLICE PRECINCT - 11

SECTIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Murphy & Dittenhafer ARCHITECTS
805 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
717-846-8827 voice 717-843-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
S-506	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 199 OF 295
	DRAWING NUMBER
	2025 - 1090
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

REV. 10.22

GENERAL MECHANICAL PROJECT NOTES

1. ALL TEMPORARY UTILITY OUTAGES OF ANY TYPE SHALL BE COORDINATED WITH THE USER. PROVIDE TWO WEEKS ADVANCE NOTIFICATION PRIOR TO PERFORMING ANY TEMPORARY OUTAGES.
2. ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
3. 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.
4. COORDINATE THE LOCATION OF ALL AIR DEVICES WITH LIGHT FIXTURES AND THE ARCHITECT'S REFLECTED CEILING PLANS, AND DOCUMENTS.
5. COORDINATE DUCT ROUTING WITH APPROVED TRUSS/STEEL SHOP DRAWINGS.
6. 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, V.V.T. / VAV BOX CONTROL PANELS, FANS, DUCT COILS, 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 AND HUMIDISTATS 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, GAS 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. EXISTING CONDITIONS (DUCTWORK, PIPING, EQUIPMENT, AND MATERIAL(S) INDICATED ON THE CONTRACT DOCUMENTS ARE NOT WARRANTED TO REPRESENT ALL EXISTING AS-BUILT CONDITIONS. FIELD VERIFY EXACT LOCATIONS OF ALL DUCTWORK, PIPING, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO COMMENCING WITH NEW AND DEMOLITION WORK. EXISTING DUCT, PIPE, AND EQUIPMENT SIZES ARE NOT WARRANTED TO BE COMPLETELY CORRECT. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS AND INSTALLING NEW WORK.
21. 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.
22. ALL DUCTWORK AND PIPING SHALL RUN AS HIGH AS POSSIBLE AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
23. ALL OUTSIDE AIR LOUVERS (INTAKE, EXHAUST, OR RELIEF) SHALL BE FITTED WITH ½" MESH BIRD SCREENS MOUNTED BEHIND LOUVERS. ALL UNUSED PORTIONS OF OUTSIDE AIR LOUVERS (INTAKE, EXHAUST, OR RELIEF) SHALL BE BLANKED OFF AIRTIGHT WITH 22-GAUGE GALVANIZED SHEET METAL AND 2 INCH RIGID INSULATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
24. INSTALL VALVES AND COIL ASSEMBLIES IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS PER SPECIFICATIONS.
25. 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.
26. 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.
27. ALL REFRIGERANT PIPING SHALL BE SIZED AND SUPPORTED/INSTALLED IN ACCORDANCE WITH APPLICABLE CODES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
28. DRYER EXHAUST DUCTS SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE. INSERT ENDS OF DUCTS SHALL BE EXTENDED INTO ADJOINING DUCT FITTING IN DIRECTION OF AIRFLOW. DUCTS SHALL NOT BE JOINED WITH SCREWS OR SIMILAR FASTENERS THAT PERTRUDE MORE THAN 1/8 INCH INTO SIDES OF DUCTS. DRYER EXHAUST DUCTS SHALL COMPLY WITH IMC SECTION 603.9 FOR DUCT SEALING.
29. 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.
30. FURNISH AND INSTALL CEILING RADIATION DAMPERS AT ALL PENETRATIONS OF THE UL LISTED CEILING ASSEMBLY. THESE LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, AIR DEVICE LOCATIONS, DUCT PENETRATIONS, AND EQUIPMENT LOCATIONS. REFER TO DETAIL-TYPICAL UL FLOOR/CEILING/ROOF RATED ASSEMBLY PENETRATIONS FOR MORE INFORMATION.

SEISMIC REQUIREMENTS

1. PROVIDE SEISMIC BRACING FOR ALL MECHANICAL, PLUMBING, AND LIFE-SAFETY SYSTEMS. THIS INCLUDES FIRE PROTECTION SYSTEMS, DUCTWORK, PIPING, EQUIPMENT, ETC.

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
		DUCTWORK WITH 2 HOUR FIRE RATED ENCLOSURE
		TURNING VANES
	S.O.	SCREENED OPENING
		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
BDD	BDD	BACK DRAFT DAMPER - GRAVITY
M	MOD	MOTOR OPERATED DAMPER
	VD	VOLUME DAMPER
SD	SD	SMOKE DETECTOR - DUCT MOUNTED
SD	SDa	SMOKE DAMPER
	FD	FIRE DAMPER
SD	FSD	COMBINATION FIRE/SMOKE DAMPER
	UH	UNIT HEATER
	A.P., AD	ACCESS PANEL, ACCESS DOOR
T		TEMPERATURE SENSOR
H		HUMIDITY SENSOR
SP		SPACE PRESSURE SENSOR
ø	DIA.	DIAMETER
#	NO.	NUMBER
	CFM	CUBIC FEET PER MINUTE
OA 1		HVAC RISER DESIGNATIONS OA - OUTSIDE AIR EA - GENERAL EXHAUST AIR KE - KITCHEN EXHAUST GE - GREASE EXHAUST DE - DISHWASHER EXHAUST SE - SMOKE EXHAUST
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

MECHANICAL LEGEND

ABBREVIATION	DESCRIPTION
ADJ.	ADJUSTABLE
ACV	AUTOMATIC CONTROL VALVE
APD	AIR PRESSURE DROP
ACU	AIR CONDITIONING UNIT
BAS	BUILDING AUTOMATION SYSTEM
BLDG.	BUILDING
BS	BIRD SCREEN
CONT.	CONTINUATION
CG	CEILING GRILLE
CU	CONDENSING UNIT
CONN.	CONNECTION
CFH	CUBIC FEET PER HOUR
CLG.	CEILING
DTL.	DETAIL
DFU	DRAINAGE FIXTURE UNIT
DB	DRY BULB
DWG.	DRAWING
EJ	EXPANSION JOINT
EA	EXHAUST AIR
ESP	EXTERNAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EX.	EXISTING
ET	EXPANSION TANK
FCU	FAN COIL UNIT
FFE	FINISHED FLOOR ELEVATION
FLR.	FLOOR
GPM	GALLONS PER MINUTE
H&V	HEATING & VENTILATING UNIT
HP	HORSE POWER
LF	LINEAR FEET
LBS/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MFGR.	MANUFACTURER
MBH	ONE THOUSAND BTU PER HOUR
MAX.	MAXIMUM
MIN.	MINIMUM
NTS	NOT TO SCALE
OED	OPEN END DUCT
OA	OUTSIDE AIR
PD	PUMP DISCHARGE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
SA	SUPPLY AIR
SF	SQUARE FEET
SPEC.	SPECIFICATIONS
TYP.	TYPICAL
V/ ø/HZ	VOLTS/PHASE/HERTZ
VERT.	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WPD	WATER PRESSURE DROP
WB	WET BULB

MECHANICAL DRAWING LIST

Sheet Number	Sheet Name
M001	MECHANICAL COVER SHEET
M002	MECHANICAL COVER SHEET
M003	PHASING PLAN
M100	DEMOLITION - AREA A - MECHANICAL
M201A	NEW WORK - AREA A - HVAC
M201B	NEW WORK - AREA B - HVAC
M202	NEW WORK - ROOF - MECHANICAL
M301A	NEW WORK - AREA A - REFRIGERANT & ATC
M301B	NEW WORK - AREA B - REFRIGERANT & ATC
M501	REFRIGERANT RISERS
M502	REFRIGERANT RISERS
M601	CONTROLS
M602	CONTROLS
M603	CONTROLS
M701	DETAILS
M702	DETAILS
M703	DETAILS
M704	DETAILS
M705	DETAILS
M801	SCHEDULES
M802	SCHEDULES

MECHANICAL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
	HW	HOT WATER (110°F OR 140°F)
	HWR	HOT WATER RECIRCULATING (110°F OR 140°F)
RL	RL	REFRIGERANT LINE
RS	RS	REFRIGERANT SUCTION
CD	CD	CONDENSATE DRAIN
	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
		GATE VALVE
		GLOBE VALVE
		CHECK VALVE
		DOUBLE CHECK BACKFLOW PREVENTOR
		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
	GC	GAS COCK
A	SA	SHOCK ABSORBER
	DP	DRIP LEG
	F.DR.	FLOOR DRAIN
FS	FS	FLOOR SINK
	R.DR.	ROOF DRAIN
	OSD	OPEN SITE DRAIN - FLOOR DRAIN W/ FUNNEL
	FDC	FIRE DEPARTMENT SIAMESE CONNECTION
		BUTTERFLY VALVE
	ACV	TWO-WAY CONTROL VALVE (ATC)
	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
		PRESSURE GAUGE W/ NEEDLE VALVE & SYPHON
		THERMOMETER
	BFP	BACKFLOW PREVENTOR W/ FUNNEL (REDUCED PRESSURE PRINCIPAL TYPE)
		THERMAL WELL
A.A.V.	AAV	AUTOMATIC AIR VENT
PT		PRESSURE TRANSMITTER
S		SOLENOID VALVE
	FC	FLEXIBLE CONNECTION - PIPING
	WH	WALL HYDRANT
	HB	HOSE BIBB
TS		TEMPERATURE SENSOR WITH IMMERSION WELL
DP SENSOR		DIFFERENTIAL PRESSURE SENSOR
DP SWITCH		DIFFERENTIAL PRESSURE SWITCH

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
2019	ASHRAE 62.1

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2446 fax

DWG. FILENAME: C:\Users\ingerert\Documents\Essex Police Station - Central File - Rvt 2021_jan4JD4Z.rvt

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND JOSEPH P. BOWMAN 31268 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. 31268 EXPIRATION DATE 2027-01-18				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 12" = 1'-0"		APPROVED BY: PROPERTY MANAGER
DATE: JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS	CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE:
	AS-BUILT PER RECORD PRINT BY: DATE:	DGN BY: IAN DRN BY: IAN CHKD BY: SPB	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

ESSEX POLICE PRECINCT - 11

MECHANICAL COVER SHEET

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
M001	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 200 OF 295	
DRAWING NUMBER	2025 - 1091
FILE NO.: 8	REV. 0.0.00

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.

BAS COMPUTER

1. BCPM TO PROVIDE ON-SITE COMPUTER TO CONTROL CONTRACTOR FOR BAS SYSTEM. PROVIDE DESIGNATED WORKSTATION AREA.
2. THE CONTROL SYSTEM PC SHALL BE EQUIPPED WITH A MODEM AND A POTS TELEPHONE LINE FOR REMOTE MONITORING, AND SHALL BE BACNET COMPATIBLE, WHICH INCLUDES A BACNET INTERFACE.
3. PROVIDE COUNTY MAINTENANCE PERSONNEL WITH A MINIMUM OF 8 HOURS OF TRAINING ON THE CONTROL SYSTEM.

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.

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.

280658 - Essex Police Station - DOAS-1

ASHRAE 62.1-2019 Ventilation Rate Procedure Calculation - Section 6.2.2 Single Zone and 6.2.3 DOAS

ASHRAE 62.1 Table 6-1							DCV OA Max				EA Min		Balancing Schedule		
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	Max OA CFM	Max EA CFM
100	LOBBY	Main Entry Lobby	7.5	0.06	30	699	21	158	42	200	0.8	250	0.00	0	100	LOBBY	250	**230**
102	INTERVIEW	Correctional Facility: Cell	5	0.12	25	95	3	15	12	27	0.8	40	0.00	0	102	INTERVIEW	**40**	0
103	INTERVIEW	Correctional Facility: Cell	5	0.12	25	102	3	15	13	28	0.8	40	0.00	0	103	INTERVIEW	**40**	0
104	RESTROOM	Restroom	0	0	0	97	0	0	0	0	0.8	0	-	100	104	RESTROOM	0	100
105	RESTROOM	Restroom	0	0	0	79	0	0	0	0	0.8	0	-	100	105	RESTROOM	0	100
106	COMMUNITY	Classroom (Age 9+)	10	0.12	35	721	26	260	87	347	0.8	440	0.00	0	106	COMMUNITY	440	**430**
106.1	STORAGE	Dry Storage	5	0.06	0	81	0	0	5	5	0.8	10	0.00	0	106.1	STORAGE	**40**	0
107	BREAK ROOM	Breakrooms	5	0.12	50	378	19	95	46	141	0.8	180	0.30	120	107	BREAK ROOM	180	**290**
108	IT	Dry Storage	5	0.06	0	68	0	0	5	5	0.8	10	0.00	0	108	IT	**40**	0
109	OIT OFFICE	Office Space	5	0.06	5	81	1	5	5	10	0.8	20	0.00	0	109	OIT OFFICE	**40**	0
110	J.C.	Janitor Closet	0	0	0	63	0	0	0	0	0.8	0	-	100	110	J.C.	0	100
111	WORK RM	Office Space	5	0.06	5	141	1	5	9	14	0.8	20	0.00	0	111	WORK RM	**40**	0
112.A	MAIN ELEC	Dry Storage	5	0.06	0	182	0	0	11	11	0.8	20	0.00	0	112.A	MAIN ELEC	**40**	0
112.B	EM. ELEC	Dry Storage	5	0.06	0	58	0	0	4	4	0.8	10	0.00	0	112.B	EM. ELEC	**40**	
113	MECHANICAL	Dry Storage	5	0.06	0	175	0	0	11	11	0.8	20	0.00	0	113	MECHANICAL	**40**	0
114	DETECTIVES	Conference/Meeting	5	0.06	50	488	25	125	30	155	0.8	200	0.00	0	114	DETECTIVES	200	**260**
114.1	FILES	Dry Storage	5	0.06	0	83	0	0	5	5	0.8	10	0.00	0	114.1	FILES	**40**	0
115	OFFICE	Office Space	5	0.06	5	116	1	5	7	12	0.8	20	0.00	0	115	OFFICE	**40**	0
116	OFFICE	Office Space	5	0.06	5	118	1	5	8	13	0.8	20	0.00	0	116	OFFICE	**40**	0
117	OFFICE	Office Space	5	0.06	5	138	1	5	9	14	0.8	20	0.00	0	117	OFFICE	**40**	0
118	SHIFT LEADERS	Reception	5	0.06	30	461	14	70	28	98	0.8	130	0.00	0	118	SHIFT LEADERS	130	**120**
119	OFFICE	Office Space	5	0.06	5	119	1	5	8	13	0.8	20	0.00	0	119	OFFICE	**40**	0
120	SHIFT LEADERS	Reception	5	0.06	30	463	14	70	28	98	0.8	130	0.00	0	120	SHIFT LEADERS	130	**120**
121	OFFICE	Office Space	5	0.06	5	112	1	5	7	12	0.8	20	0.00	0	121	OFFICE	**40**	0
122	ARMORY	Occupiable Dry Storage	5	0.06	2	676	2	10	41	51	0.8	70	0.00	0	122	ARMORY	70	**220**
123	SHIFT LEADERS	Reception	5	0.06	30	462	14	70	28	98	0.8	130	0.00	0	123	SHIFT LEADERS	130	**120**
124	OFFICE	Office Space	5	0.06	5	111	1	5	7	12	0.8	20	0.00	0	124	OFFICE	**40**	0
125	BPI & TRAFFIC	Reception	5	0.06	30	556	17	85	34	119	0.8	150	0.00	0	125	BPI & TRAFFIC	150	**230**
126	OFFICE	Office Space	5	0.06	5	114	1	5	7	12	0.8	20	0.00	0	126	OFFICE	**40**	0
127	OFFICE	Reception	5	0.06	30	115	4	20	7	27	0.8	40	0.00	0	127	OFFICE	40	0
128	DVC	Office Space	5	0.06	5	149	1	5	9	14	0.8	20	0.00	0	128	DVC	**40**	0
129	ROLL CALL	Classroom (Age 9+)	10	0.12	35	644	23	230	78	308	0.8	390	0.00	0	129	ROLL CALL	390	**340**
130	FILES	Occupiable Dry Storage	5	0.06	2	284	1	5	18	23	0.8	30	0.00	0	130	FILES	**40**	0
131	EVIDENCE	Occupiable Dry Storage	5	0.06	2	237	1	5	15	20	0.8	30	1.00	240	131	EVIDENCE	**40**	240
132	REPORT	Office Space	5	0.06	5	375	2	10	23	33	0.8	50	0.00	0	132	REPORT	50	0
133	RECEPTION	Reception	5	0.06	30	111	4	20	7	27	0.8	40	0.00	0	133	RECEPTION	40	**100**
134	WORK STATIONS	Reception	5	0.06	30	256	8	40	16	56	0.8	70	0.00	0	134	WORK STATIONS	70	0
135	OFFICE	Office Space	5	0.06	5	119	1	5	8	13	0.8	20	0.00	0	135	OFFICE	**40**	0
136	OFFICE	Office Space	5	0.06	5	115	1	5	7	12	0.8	20	0.00	0	136	OFFICE	**40**	0
137	FILES	Occupiable Dry Storage	5	0.06	2	71	1	5	5	10	0.8	20	0.00	0	137	FILES	**40**	0
138	LT. OFFICE	Office Space	5	0.06	5	141	1	5	9	14	0.8	20	0.00	0	138	LT. OFFICE	**40**	0
139	CONFERENCE	Conference/Meeting	5	0.06	50	219	11	55	14	69	0.8	90	0.00	0	139	CONFERENCE	90	0
140	CAPTAINS OFFICE	Office Space	5	0.06	5	321	2	10	20	30	0.8	40	0.00	0	140	CAPTAINS OFFICE	40	0
141	TOILET	Restroom	0	0	0	88	0	0	0	0	0.8	0	-	100	141	TOILET	0	100
142	COMMUNITY OUTREACH	Classroom (Age 9+)	10	0.12	35	446	16	160	54	214	0.8	270	0.00	0	142	COMMUNITY OUTREACH	270	**260**
143	OFFICE	Office Space	5	0.06	5	117	1	5	8	13	0.8	20	0.00	0	143	OFFICE	**40**	0
144	CONFERENCE	Conference/Meeting	5	0.06	50	248	13	65	15	80	0.8	100	0.00	0	144	CONFERENCE	100	0
145	GUN CLEAN ROOM	Liquid Storage	5	0.12	0	145	0	0	18	18	0.8	30	1.00	150	145	GUN CLEAN ROOM	**40**	150
146	RESTROOM	Restroom	0	0	0	75	0	0	0	0	0.8	0	-	100	146	RESTROOM	0	100
147	RESTROOM	Restroom	0	0	0	75	0	0	0	0	0.8	0	-	100	147	RESTROOM	0	100
148	RESTROOM	Restroom	0	0	0	75	0	0	0	0	0.8	0	-	100	148	RESTROOM	0	100
C01	VESTIBULE	Corridors	0	0.06	0	84	0	0	6	6	0.8	10	0.00	0	C01	VESTIBULE	40	0
C02	VESTIBULE	Corridors	0	0.06	0	84	0	0	6	6	0.8	10	0.00	0	C02	VESTIBULE	40	0
C03	CORRIDOR	Corridors	0	0.06	0	1,012	0	0	61	61	0.8	80	0.00	0	C03	CORRIDOR	80	0
C08	CORRIDOR(AREAB)	Corridors	0	0.06	0	1,000	0	0	60	60	0.8	80	0.00	0	C08	CORRIDOR(AREAB)	**100**	**100**
C04	CORRIDOR	Corridors	0	0.06	0	277	0	0	17	17	0.8	30	0.00	0	C04	CORRIDOR	**40**	0
T	Total					13221	237			2446		3280		1210			4110	3910

Design OA CFM	*Design EA CFM*	System Δ CFM
4110	3910	200

ASHRAE 15 COMPLIANCE

ACCU #	Minimum Volume of Enclosed Space within System (Cubic Ft)	R-410 (A1) Compliance			R-32 (A2L) Compliance		
		Total Refrigerant Charge (lbs.)	Max. Refrigerant Charge per Cubic Ft	A1 Compliance (Yes/No)	Total Refrigerant Charge (lbs.)	Max. Refrigerant Charge per Cubic Ft	A2L Compliance (Yes/No)
ACCU-1	1880	45.625	0.0243	YES	41.06	0.0218	Note 1
ACCU-2	3264	61.15	0.0187	YES	55.04	0.0169	Note 1
ACCU-3	1712	43.525	0.0254	YES	39.17	0.0229	Note 1
ACCU-4	4128	111.90	0.0271	Note 1	100.71	0.0244	Note 1
ACCU-5	3213	82.225	0.0256	YES	74.00	0.0230	Note 1
ACCU-6	1862	46.525	0.0250	YES	41.87	0.0225	Note 1
ACCU-7	3240	79.43	0.0245	YES	71.48	0.0221	Note 1

Notes:
1. Compliance achieved by manufacturer provided mitigation controls.
2. Compliance achieved by permanent natural ventilation.

280658 - Essex Police Station - DOAS-2

ASHRAE 62.1-2019 Ventilation Rate Procedure Calculation - Section 6.2.2 Single Zone and 6.2.3 DOAS

ASHRAE 62.1 Table 6-1							DCV OA Max				EA Min		Balancing Schedule		
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	Max OA CFM	Max EA CFM
1	GEAR STORAGE	Locker Room	5	0.06	0	516	0	0	31	31	0.8	40	0.50	260	1	GEAR STORAGE	**190**	260
2	DUTY BAG STORAGE	Dry Storage	5	0.06	0	348	0	0	21	21	0.8	30	0.00	0	2	DUTY BAG STORAGE	**80**	0
3	FITNESS ROOM	Health club, Aerobics	20	0.06	40	1,345	54	1080	81	1161	0.8	1460	0.00	0	3	FITNESS ROOM	1460	**1560**
4	WOMEN'S LOCKER	Locker Room	5	0.06	0	1,147	0	0	69	69	0.8	90	0.50	580	4	WOMEN'S LOCKER	**440**	580
5	G.N LOCKER	Locker Room	5	0.06	0	313	0	0	19	19	0.8	30	0.50	160	5	G.N LOCKER	**200**	160
5.1	G.N SHOWER	Restroom	0	0	0	44	0	0	0	0	0.8	0	-	100	5.1	G.N SHOWER	0	100
5.2	G.N WC	Restroom	0	0	0	29	0	0	0	0	0.8	0	-	100	5.2	G.N WC	0	100
7	J.C.	Janitor Closet	0	0	0	32	0	0	0	0	0.8	0	-	100	7	J.C.	0	100
8	MEN'S LOCKER	Locker Room	5	0.06	0	2,142	0	0	129	129	0.8	170	0.50	1080	8	MEN'S LOCKER	**930**	1080
B01	CORRIDOR	Corridors	0	0.06	0	876	0	0	53	53	0.8	70	0.00	0	B01	CORRIDOR	**350**	0
B02	CORRIDOR	Corridors	0	0.06	0	133	0	0	8	8	0.8	10	0.00	0	B02	CORRIDOR	**100**	0
B04	CORRIDOR	Corridors	0	0.06	0	120	0	0	8	8	0.8	10	0.00	0	B04	CORRIDOR	**40**	0
C13	WELLNESS	Office Space	5	0.06	5	85	1	5	6	11	0.8	20	0.00	0	C13	WELLNESS	50	0
149	FRONT-DESK	Booking/Waiting	7.5	0.06	50	239	12	90	15	105	0.8	140	0.00	0	149	FRONT-DESK	140	**140**
150	CONNECTION	Breakrooms	5	0.12	50	291	15	75	35	110	0.8	140	0.30	90	150	CONNECTION	140	**290**
151	TOILET	Restroom	0	0	0	80	0	0	0	0	0.8	0	-	100	151	TOILET	0	100
152	CONTROL ROOM	Correctional Facility: Guard Room	5	0.06	25	198	5	25	12	37	0.8	50	0.00	0	152	CONTROL ROOM	50	0
153	C. HALL	Corridors	0	0.06	0	141	0	0	9	9	0.8	20	0.00	0	153	C. HALL	**40**	0
154	M. BULLPEN	Correctional Facility: Dayroom	5	0.12	30	540	17	85	65	150	0.8	190	-	200	154	M. BULLPEN	190	**340**
155	F. HALL	Corridors	0	0.06	0	214	0	0	13	13	0.8	20	0.00	0	155	F. HALL	**80**	0
156	F. BULLPEN	Correctional Facility: Dayroom	5	0.12	30	262	8	40	32	72	0.8	90	-	150	156	F. BULLPEN	90	150
157	TEMP	Correctional Facility: Cell	5	0.12	25	65	2	10	8	18	0.8	30	-	100	157	TEMP	**40**	100
158	F. HOLD	Correctional Facility: Cell	5	0.12	25	80	2	10	10	20	0.8	30	-	100	158	F. HOLD	**40**	100
159	J. HOLD	Correctional Facility: Cell	5	0.12	25	80	2	10	10	20	0.8	30	-	100	159	J. HOLD	**40**	100
160	INTVERVIEW/BAIL	Correctional Facility: Guard Room	5	0.12	25	129	4	20	16	36	0.8	50	0.00	0	160	INTVERVIEW/BAIL	50	0
161	F. ACC	Correctional Facility: Cell	5	0.12	25	257	7	35	31	66	0.8	90	0.00	0	161	F. ACC	90	0
162	PROCESSING	Correctional Facility: Cell	5	0.12	25	430	11	55	52	107	0.8	140	0.00	0	162	PROCESSING	140	**90**
163	MATTRESSES	Dry Storage	5	0.06	0	52	0	0	4	4	0.8	10	0.00	0	163	MATTRESSES	**40**	0
164	STRIP SEARCH	Correctional Facility: Guard Room	5	0.12	25	52	2	10	7	17	0.8	30	0.00	0	164	STRIP SEARCH	**40**	0
165	INTOXICATED HOLDING	Correctional Facility: Cell	5	0.12	25	74	2	10	9	19	0.8	30	0.00	0	165	INTOXICATED HOLDING	**40**	0
166	ADA TOILET	Restroom	0	0	0	65	0	0	0	0	0.8	0	-	100	166	ADA TOILET	0	100
167	NON-CONTACT	Correctional Facility: Cell	5	0.12	25	63	2	10	8	18	0.8	30	0.00	0	167	NON-CONTACT	**40**	0
168	M ACCESS	Correctional Facility: Cell	5	0.12	25	259	7	35	32	67	0.8	90	0.00	0	168	M ACCESS	90	0
169	INTERVIEW/BAIL	Correctional Facility: Guard Room	5	0.12	25	132	4	20	16	36	0.8	50	0.00	0	169	INTERVIEW/BAIL	50	0
170	INTERVIEW	Correctional Facility: Cell	5	0.12	25	83	3	15	10	25	0.8	40	0.00	0	170	INTERVIEW	**40**	0
171	M. HOLD	Correctional Facility: Cell	5	0.12	25	82	3	15	10	25	0.8	40	-	100	171	M. HOLD	**40**	100
172	M. HOLD	Correctional Facility: Cell	5	0.12	25	82	3	15	10	25	0.8	40	-	100	172	M. HOLD	**40**	100
173	TEMP	Correctional Facility: Cell	5	0.12	25	62	2	10	8	18	0.8	30	-	100	173	TEMP	**40**	100
174	M. HOLD	Correctional Facility: Cell	5	0.12	25	82	3	15	10	25	0.8	40	-	100	174	M. HOLD	**40**	100
175	J.C.	Janitor Closet	0	0	0	62	0	0	0	0	0.8	0	-	100	175	J.C.	0	100
176	NON-CONTACT	Correctional Facility: Cell	5	0.12	25	63	2	10	8	18	0.8	30	0.00	0	176	NON-CONTACT	**40**	0
177	COURT LIASON	Office Space	5	0.06	5	110	1	5	7	12	0.8	20	0.00	0	177	COURT LIASON	**40**	0
178	CAT	Office Space	5	0.06	5	321	6	30	20	50	0.8	70	0.00	0	178	CAT	70	0
179	OFFICE	Office Space	5	0.06	5	113	1	5	7	12	0.8	20	0.00	0	179	OFFICE	**40**	0
180	INTERVIEW	Correctional Facility: Cell	5	0.12	25	83	3	15	10	25	0.8	40	0.00	0	180	INTERVIEW	**40**	0
181	INTERVIEW	Correctional Facility: Cell	5	0.12	25	87	3	15	11	26	0.8	40	0.00	0	181	INTERVIEW	**40**	0
182	INTERVIEW	Correctional Facility: Cell	5	0.12	25	88	3	15	11	26	0.8	40	0.00	0	182	INTERVIEW	40	0
183	STORAGE	Dry Storage	5	0.06	2	91	1	5	6	11	0.8	20	0.00	0	183	STORAGE	**40**	0
184	SUPPLY	Dry Storage	5	0.06	2	92	1	5	6	11	0.8	20	0.00	0	184	SUPPLY	**40**	0
185	SRO	Correctional Facility: Guard Room	5	0.12	25	292	8	40	36	76	0.8	100	0.00	0	185	SRO	100	**90**
186	OFFICE	Office Space	5	0.06	5	129	1	5	8	13	0.8	20	0.00	0	186	OFFICE	**40**	0
187	PD BIKES	Dry Storage	5	0.06	2	216	1	5	13	18	0.8	30	0.00	0	187	PD BIKES	**40**	0
188	STOLEN PRTY	Dry Storage	5	0.06	2	188	1	5	12	17	0.8	30	0.00	0	188	STOLEN PRTY	**40**	0
189	STORAGE	Dry Storage	5	0.06	2	86	1	5	6	11	0.8	20	0.00	0	189	STORAGE	**40**	0
190	STORAGE	Dry Storage	5	0.06	2	86	1	5	6	11	0.8	20	0.00	0	190	STORAGE	**40**	0
C08	CORRIDOR(AREA A)	Corridors	0	0.06	0	785	0	0	48	48	0.8	60	0.00	0	C08	CORRIDOR(AREA A)	**80**	**100**
C09	VESTIBULE	Corridors	0	0.06	0	43	0	0	3	3	0.8	10	0.00	0	C09	VESTIBULE	**40**	0
C12	M. HALL	Corridors	0	0.06	0	220	0	0	14	14	0.8	20	0.00	0	C12	M. HALL	**80**	0
T	Total					12643	203			2836		3820		3560			6360	6140

Design OA CFM	*Design EA CFM*	System Δ CFM
6360	6140	220

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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C:\Users\mgraves\Documents\Essex Police Station - Central File - Rvt 2021_tan4HJ4Z.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-2446 fax

SEAL: STATE OF MARYLAND — MARTIN BRADLEY GRAVES — 31268 — PROFESSIONAL ENGINEER

DATE : JULY 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. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY: IAN | DRN BY: IAN | CHKD BY: SPB

R.O.W. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
	ISW	7NE28 7NE29 8NE28 8NE29	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:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

MECHANICAL COVER SHEET

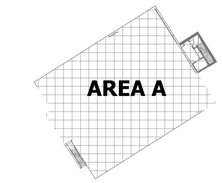
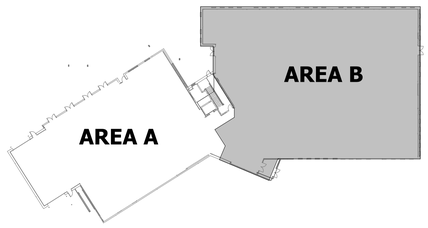
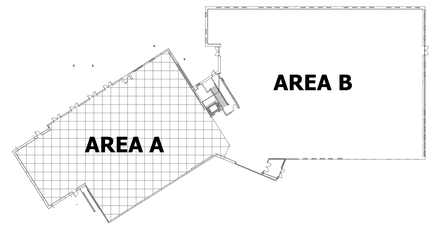
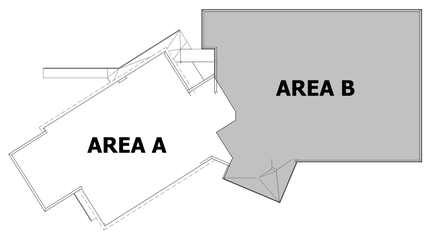
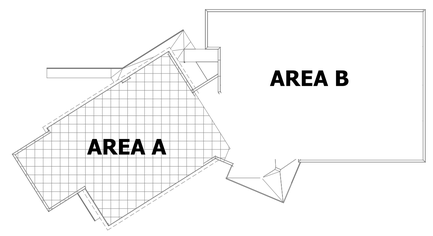
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M002	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 201 OF 295	DRAWING NUMBER 2025 - 1092
FILE NO.: 8	REV. 0

	PHASE 1	PHASE 2
BASEMENT	N/A	
LEVEL 1		
ROOF		

LEGEND

= AREA OF WORK DURING PHASE 1

= AREA OF WORK DURING PHASE 2

PROPOSED PHASING SCHEDULE FOR ESSEX POLICE PRECINCT #11 RENOVATION

ITEM #	EQUIPMENT	PHASE 1	PHASE 2
1	GENERAL	•ACQUIRE AND REVIEW SUBMITTALS FOR TEMPORARY SERVICE. •ANNEX BUILDING'S TEMP SERVICE COMPLETE. • EQUIPMENT SUBMITTED, REVIEWED, & ORDERED. •AREA B BUILDING COMPLETE. •AREA A TO REMAIN IN OPERATION. •PHASE 1 UTILITIES SERVING PHASE 2 SHOULD BE NOTED AS CAPPED AND READY FOR CONNECTION TO FUTURE PHASE.	• DEMOLISH ALL AREA A EXISTING MECHANICAL AND PLUMBING WORK. • ELEVATOR/STAIRWELL AREA COMPLETE • AREA A BUILDING COMPLETE • REMAINDER OF INSIDE OF THE BUILDING WORK • CONNECTIONS TO PHASE 1 EXTERIOR WORK • COMMISSIONING
2	DOAS/RTUs	• INSTALL DOAS-1 ON ROOF OF AREA B BUILDING. • INSTALL DOAS-2 ON ROOF OF AREA B BUILDING. • INSTALL DOAS & RTU ROOF CURBS AND SOUND TREATMENT. • INSTALL STRUCTURAL REINFORCING OF OPENINGS. • INSTALL DUCT WORK THROUGH ROOF FOR BOTH DOAS UNITS. • CAP DOAS-2 DUCT WORK JUST BEFORE AREA A BUILDING UNTIL PHASE 2.	• FIELD INSTALL CONTROLS • INSTALL RTU-1 ON PHASE 1 CURB. • CONNECT DUCT WORK AND CONTROLS • REMOVE CAPPED DUCT WORK & EXTEND THROUGHOUT AREA A BUILDING.
3	VRF ACCUs	• INSTALL CURBS ON ROOF OF AREA B BUILDING. • INSTALL VRF ACCUs THAT SERVE AREA B BUILDING.	• INSTALL CURBS ON ROOF OF AREA A BUILDING. • INSTALL VRF ACCUs THAT SERVE AREA A BUILDING. • FIELD INSTALL CONTROLS • CONNECT PIPING AND CONTROLS
4	INDOOR MECH. EQUIPMENT	• INSTALL FAN COIL UNITS IN AREA B BUILDING. • INSTALL BRANCH SELECTOR BOXES IN AREA B BUILDING. • INSTALL UNIT HEATERS IN AREA B BUILDING.	• INSTALL FAN COIL UNITS IN AREA A BUILDING. • INSTALL BRANCH SELECTOR BOXES IN AREA B BUILDING. • INSTALL UNIT HEATERS IN AREA A BUILDING. • FIELD INSTALL CONTROLS AND SENSORS. • CONNECT PIPING AND CONTROLS.
5	PLUMBING EQUIPMENT & PIPING	• INSTALL BACK FLOW PREVENTER FOR DOMESTIC CW SERVICE. • INSTALL INSTANEOUS WATER HEATERS IN AREA B BUILDING. • INSTALL PLUMBING FIXTURES IN AREA B BUILDING. • EXTEND CW LINES TO PLUMBING FIXTURES AND TOWARDS AREA A. • CAP CW PIPING TO JUST BEFORE AREA A BUILDING UNTIL PHASE 2. • CONNECT CW TO CIVIL	• INSTALL PLUMBING FIXTURES IN AREA A BUILDING. • INSTALL INSTANEOUS WATER HEATERS IN AREA B BUILDING. • REMOVE CAPPED CW AND EXTEND THROUGHOUT AREA A BUILDING. • CONNECT PIPING AND CONTROLS.
6	REFRIGERANT PIPING	• INSTALL ROOF PENETRATION DOGHOUSES OF AREA B BUILDING. • ROUTE PIPING FROM ACCU UNIT THROUGH ROOF DOGHOUSE TO BRANCH SELECTOR BOXES AND TO INDOOR FAN COIL UNIT OF AREA B BUILDING. • ALL AREA A PIPING TO REMAIN FULL OF NITROGEN.	• INSTALL ROOF PENETRATION DOGHOUSES OF AREA A BUILDING. • ROUTE PIPING FROM ACCU UNIT THROUGH ROOF DOGHOUSE TO BRANCH SELECTOR BOXES AND TO INDOOR FAN COIL UNIT OF AREA A BUILDING. • FINISH ANY REMAINING PIPING TO FAN COIL UNITS.
7	ATC	• CONTROLS SUBMITTAL COMPLETED. • GRAPHICS PROGRAMMING. • BAS (& OTHER EQUIPMENT) PANELS INSTALLED. • SUB-METERING INSTALLED IN AREA B BUILDING.	• SUB-METERING INSTALLED IN AREA A BUILDING. • FIELD INSTALL CONTROLS.
8	REMOTE FANS	-	• INSTALL SALLYPORT EFs AND THEIR ASSOCIATED LOUVERS. • INSTALL SUPPLY FAN FOR SPACES THAT ONLY OPEN TO EXTERIOR AND THEIR ASSOCIATED LOUVERS.
9	DUCTWORK AND DIFFUSERS	• INSTALL DOAS-1 DUCT WORK AND AIR DEVICES IN AREA B BUILDING. • INSTALL DOAS-2 DUCT WORK AND CAP.	• INSTALL DOAS-2 DUCT WORK AND AIR DEVICES IN AREA A BUILDING. • INSTALL RTU DUCT WORK FOR ELEVATOR SHAFT. • INSTALL SALLYPORT DUCT WORK AND DIFFUSERS AND CONNECT TO EFs. • INSTALL DUCT WORK AND DIFFUSERS AND CONNECT TO SF.

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Towson, MD 21286
410.494.1111
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DWG. FILENAME: C:\Users\mgreen\Documents\Essex Police Station - Central File - Rvr 2021_last4\D4Z.rvt

SEAL: MARYLAND REGISTERED PROFESSIONAL ENGINEER 31268

DATE: JULY 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. 31268, EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN | DWN BY: IAN | CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS

REVIEWED BY: | DATE REVIEWED:

P.W.A. NO. | R.O.W NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

SEWER | WATER | FIELD ENGINEER

DRAWING SCALE: PLAN SCALE: As indicated | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

PHASING PLAN

RENOVATION & ADDITION

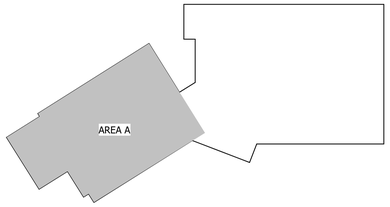
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

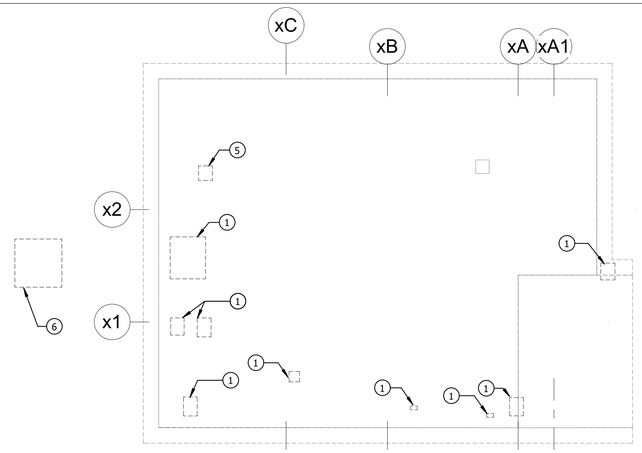
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
M003	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 202 OF 295	
DRAWING NUMBER	2025 - 1093
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE



DEMOLITION - ROOF - HVAC
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.

DRAWING NOTES

(#)

1 REMOVE EXISTING EF AND ALL ASSOCIATED DUCTWORK. PATCH PENETRATION TO MATCH EXISTING CONDITIONS.

2 REMOVE EXISTING FAN COIL UNITS AND ALL ASSOCIATED PIPING AND APPURTENANCES. PATCH ROOF TO MATCH EXISTING CONDITIONS.

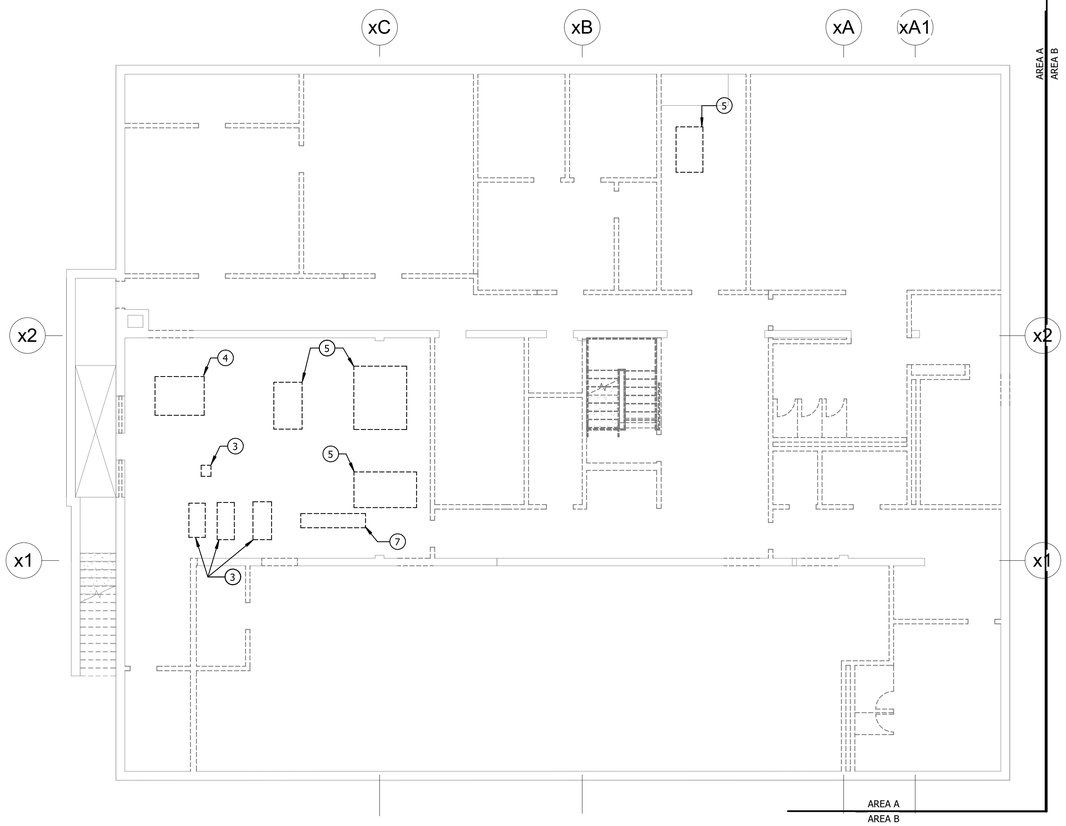
3 REMOVE EXISTING PUMPS AND DEMOLISH EXISTING PADS.

4 REMOVE EXISTING BOILER AND ALL ASSOCIATED APPURTENANCES.

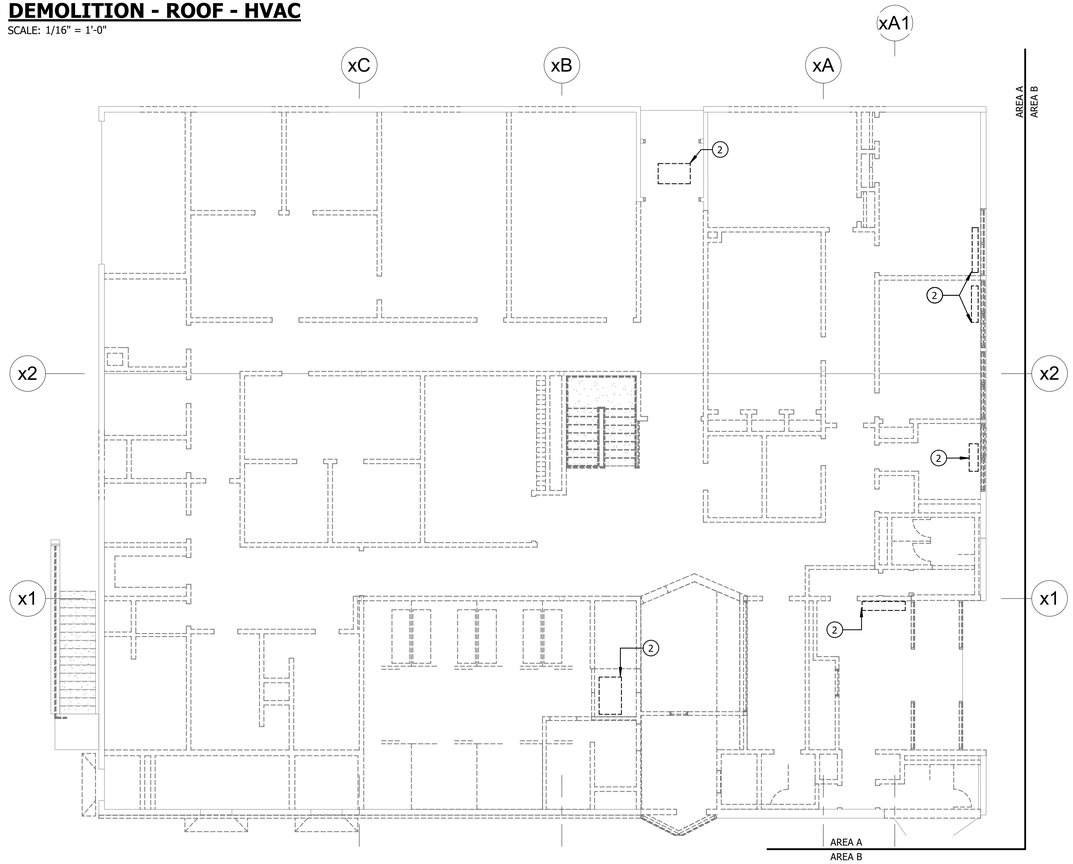
5 REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED PIPING AND APPURTENANCES. PATCH ROOF TO MATCH EXISTING CONDITIONS.

6 REMOVE AND DELIVER EXISTING CHILLER AND ALL ASSOCIATED APPURTENANCES TO OWNER SPECIFIED LOCATION. REFER TO ARCHITECTURAL SPECIFICATIONS FOR MORE INFORMATION.

7 REMOVE EXISTING EXPANSION TANK.



DEMOLITION - BASEMENT - AREA A - HVAC
SCALE: 1/8" = 1'-0"



DEMOLITION - FIRST FLOOR - AREA A - HVAC
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

SCALE: 1/16" = 1'-0"
16 0 16

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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. 31268 EXPIRATION DATE: 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE : JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

DGN BY: TAN	DWN BY: TAN	CHKD BY: SPB

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

ESSEX POLICE PRECINCT - 11

DEMOLITION - AREA A - MECHANICAL

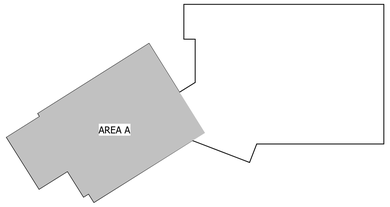
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M100	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 203 OF 295	
DRAWING NUMBER	
2025 - 1094	
FILE NO.: 8	REV. 07/20



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LOUVERS AND OTHER FACADE PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.
3. AIR DEVICE SHALL BE ALUMINUM CONSTRUCTION IN SHOWER/LOCKER ROOM AREAS.
4. PROVIDE 2" INTERNAL SOUND LINING FOR ALL DUCTWORK WITHIN DETENTION AREA. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

(#) DRAWING NOTES

1 MANUFACTURER REQUIRED MECHANICAL EQUIPMENT CLEARANCE (TYPICAL).

2 36" X 14" OA AND 36" X 14" EA UP TO THE FIRST FLOOR.

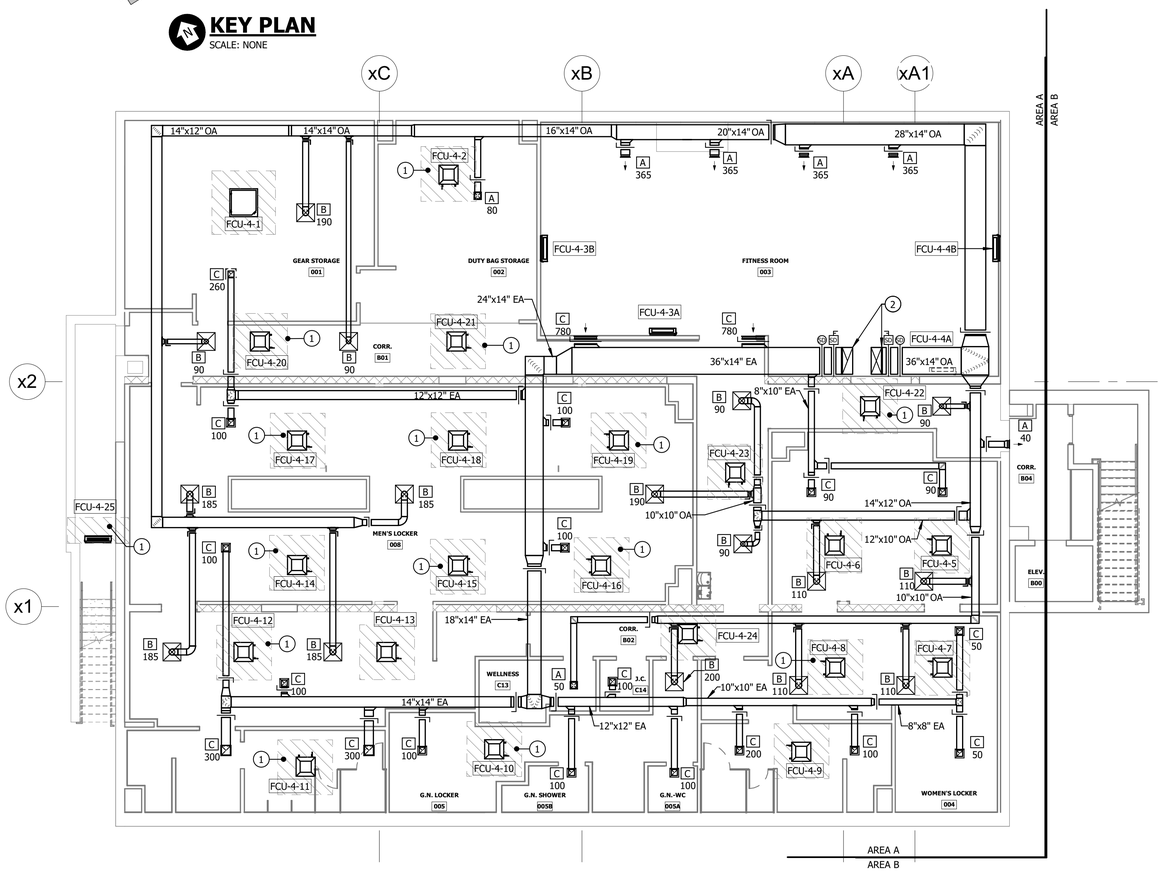
3 26" X 20" OA UP TO LP-1. PROVIDE BACKDRAFT DAMPER AND MOD IN VERTICAL PORTION OF DUCT. INTERLOCK MOD WITH EF-2.

4 20" X 12" EA UP TO EF-2 ON ROOF.

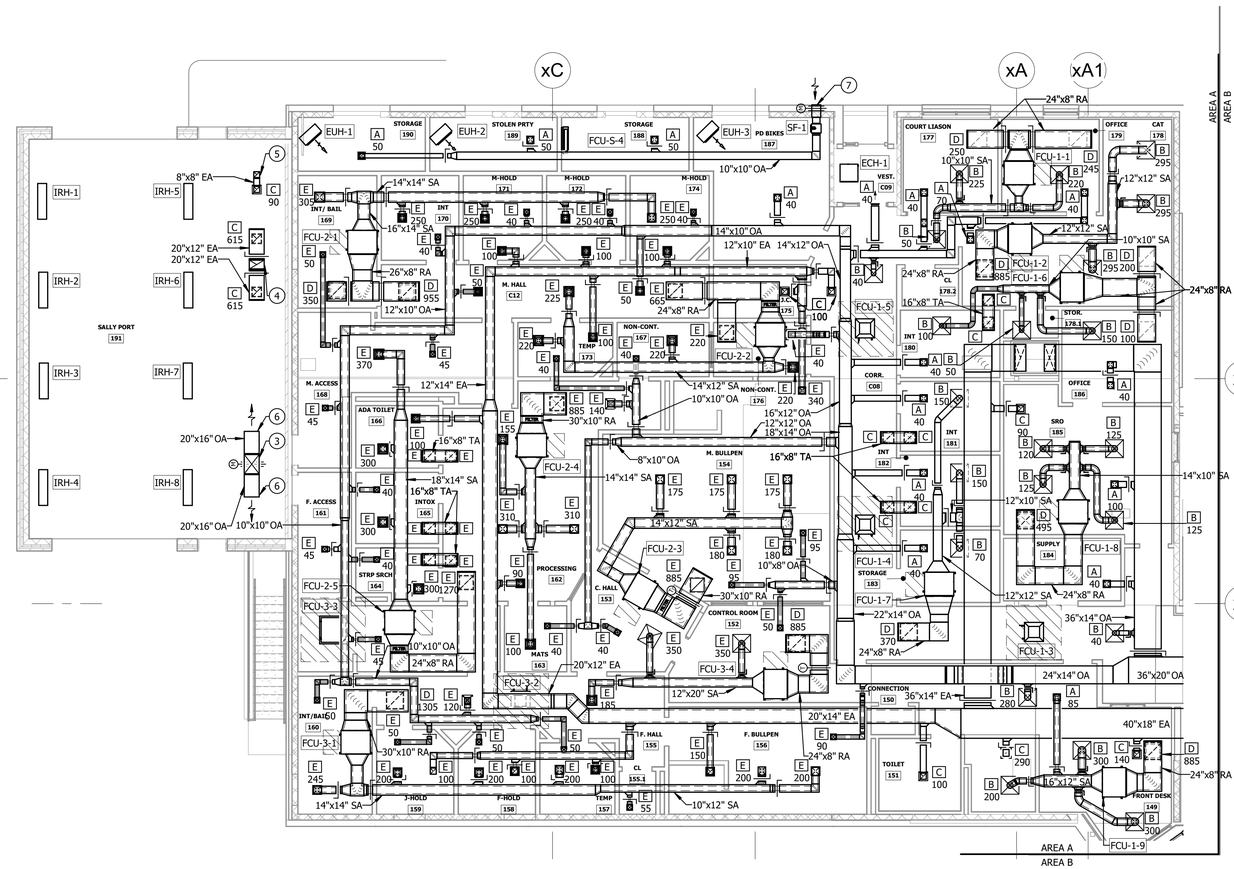
5 8" X 8" EA UP TO EF-1 ON ROOF.

6 20" X 16" OPEN-ENDED OA DUCT. PROVIDE DEBRIS SCREEN.

7 PROVIDE 12" X 12" INTAKE LOUVER WITH 18" INSULATED INTAKE PLENUM. PROVIDE BIRD SCREEN.



NEW WORK - BASEMENT - AREA A - HVAC
SCALE: 1/8" = 1'-0"



NEW WORK - FIRST FLOOR - AREA A - HVAC
SCALE: 1/8" = 1'-0"

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SCALE: 1/8" = 1'-0"
8 0 8 16

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228 West Market Street, York, Pennsylvania 17401 717-846-4627 voice 717-843-2446 fax

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
M201A	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 204 OF 295
	DRAWING NUMBER
	2025 - 1095
	FILE NO.: 8

SEAL
STATE OF MARYLAND — JOSEPH BRZOZOWSKI — 31268 — PROFESSIONAL ENGINEER
DATE : JULY 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. 31268, EXPIRATION DATE 2027-01-18.
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

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

KEY SHEET: ISW

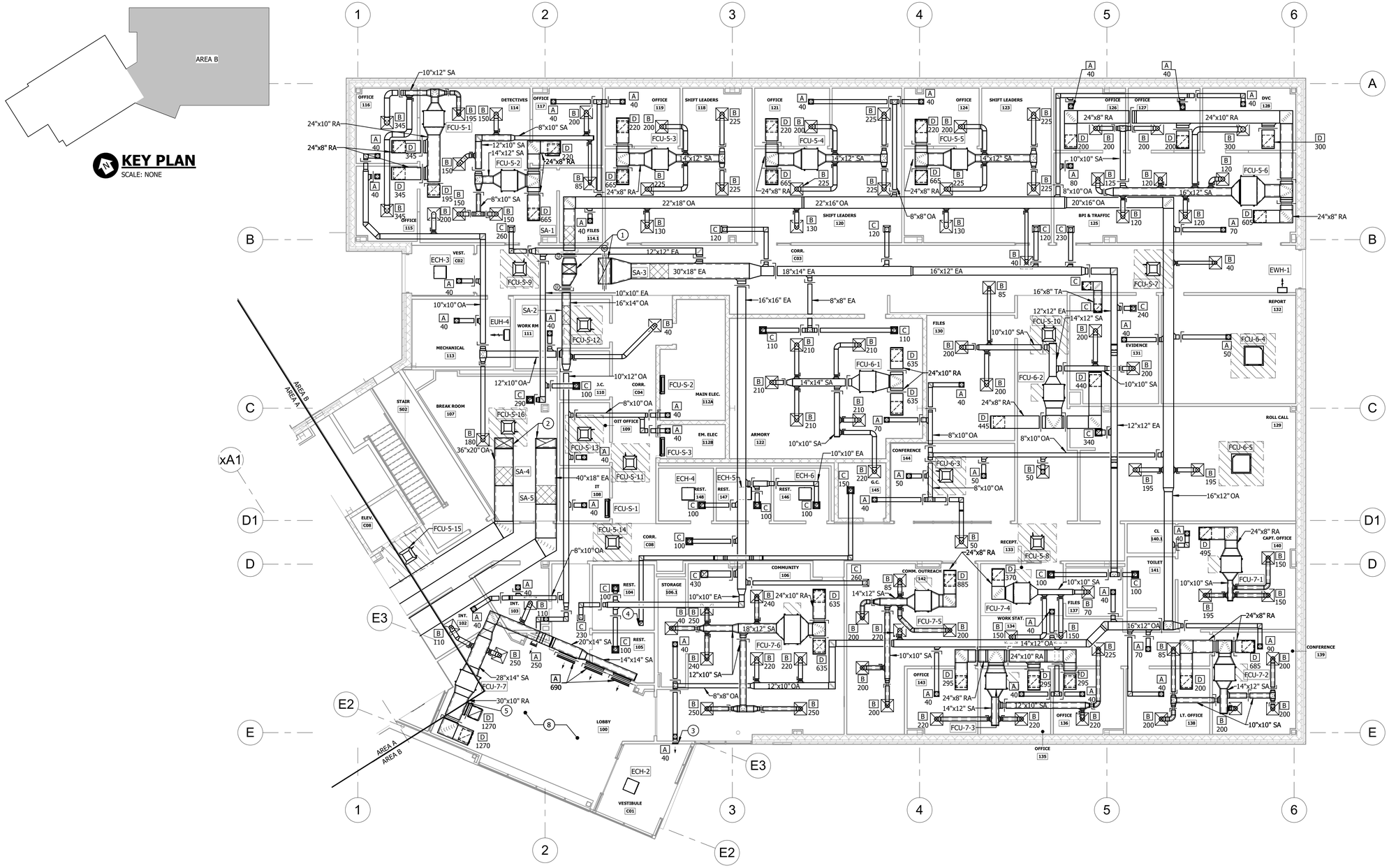
POSITION SHT	DRAWING SCALE	
7NE28	PLAN SCALE:	1/8" = 1'-0"
7NE29	PROFILE SCALE:	
8NE28		
8NE29		

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
ESSEX POLICE PRECINCT - 11
NEW WORK - AREA A - HVAC
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



KEY PLAN
SCALE: NONE

NEW WORK - FIRST FLOOR - AREA B - HVAC
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

GENERAL NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LOUVERS AND OTHER FACADE PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.
3. PROVIDE ANTI-LIGATURE SENSOR COVERS AS MANUFACTURED BY ARSCO, OR EQUIVALENT.

(#) DRAWING NOTES

1. 20" X 30" OA AND 50" X 24" EA DOWN. PROVIDE FULL SIZED DUCT TO EQUIPMENT CONNECTION. PROVIDE FLEX DUCT FITTING AT EQUIPMENT CONNECTION.
2. 36" X 20" OA AND 36" X 20" EA DOWN. PROVIDE FULL SIZED DUCT TO EQUIPMENT CONNECTION. PROVIDE FLEX DUCT FITTING AT EQUIPMENT CONNECTION.
3. PROVIDE SIDE-WALL GRILLE MOUNTED AT ~7' AFF. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION.
4. 8" X 8" EA UP TO EF-3 ON ROOF.
5. PROVIDE 2" INTERNAL SOUND LINING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
6. 12" X 10" SA OPEN-ENDED DUCT IN ELEVATOR HOIST WAY. PROVIDE FULL SIZE TRANSITION TO RTU. PROVIDE BIRD SCREEN.
7. 22" X 14" RA OPEN-ENDED DUCT IN ELEVATOR HOIST WAY. PROVIDE BIRD SCREEN.
8. REFER TO ARCHITECTURAL PLANS FOR DETAIL AND EXACT LOCATION OF AIR TERMINALS WITHIN LOBBY AREA.

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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. 31268, EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

DGN BY: IAN
DWN BY: IAN
CHKD BY: SPB

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.	ISW	7NE28 7NE29 8NE28 8NE29

PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA B - HVAC

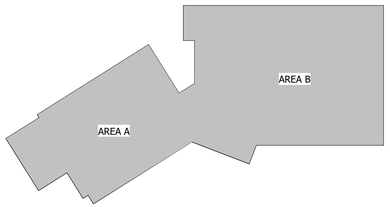
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M201B	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 205 OF 295	
DRAWING NUMBER	2025 - 1096
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE



NEW WORK - ROOF - MECHANICAL
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.

2: INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND PIPE SIZES WITH THE VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.

3: SIZE AND ROUTE REFRIGERANT PIPE PER MANUFACTURER RECOMMENDATION.

DRAWING NOTES

#	
1	MANUFACTURER REQUIRED MECHANICAL EQUIPMENT CLEARANCE (TYPICAL).
2	20" X 30" OA AND 50" X 24" EA DOWN. PROVIDE FULL SIZED DUCT TO EQUIPMENT CONNECTION. PROVIDE FLEX DUCT FITTING AT EQUIPMENT CONNECTION.
3	36" X 20" OA AND 36" X 20" EA DOWN. PROVIDE FULL SIZED DUCT TO EQUIPMENT CONNECTION. PROVIDE FLEX DUCT FITTING AT EQUIPMENT CONNECTION.
4	26" X 20" OA DOWN FROM LP-1. PROVIDE FULL-SIZE CONNECTION TO UNIT. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
5	20" X 12" EA DOWN FROM EF-2. PROVIDE FULL-SIZE CONNECTION TO UNIT. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
6	8" X 8" EA DOWN FROM EF-1. PROVIDE FULL-SIZE CONNECTION TO UNIT. REFER TO CONTROL DRAWINGS FOR MORE INFORMATION.
7	EQUIPMENT SHALL BE MOUNTED ON 24" TALL CURB (TYP).
8	REFRIGERANT PIPE ROOF PENETRATION. PROVIDE INSULATED STAINLESS STEEL HOUSING. REFER TO DETAIL FOR MORE INFORMATION.
9	SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
10	PROVIDE ACCU SUPPORT CURB (TYP) MINIMUM 24" TALL. REFER TO DETAIL FOR MORE INFORMATION.
11	PROVIDE ROOF MOUNTED EQUIPMENT SUPPORT CURB WITH ACOUSTICAL TREATMENT. REFER TO DETAIL FOR MORE INFORMATION.
12	PROVIDE DUCT EXTENSION MINIMUM 10' OFF OF UNIT.
13	PROVIDE PIPE SYSTEM SUPPORT (TYP.) EVERY 5' (MINIMUM). REFER TO DETAILS FOR MORE INFORMATION.
14	PROVIDE DUCT SUPPORT (TYP.) EVERY 5' (MINIMUM). REFER TO DETAIL FOR MORE INFORMATION (TYP.)
15	ROOF ACCESS HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION.
16	PROVIDE RAIN HOOD OVER EXHAUST DUCT OPENING. PROVIDE BIRD SCREEN FOR OPEN-ENDED DUCT.
17	40'Ø EQUIPMENT INTAKE ZONE. NO EXHAUST OR VTR WITHIN INTAKE AREA.
18	LOCATION OF PHOTOVOLTAIC FIELD. COORDINATE WITH ARCHITECT.
19	14" X 12" SA TO OPEN-ENDED DUCT IN ELEVATOR HOIST WAY. PROVIDE FULL SIZE TRANSITION TO RTU. PROVIDE BIRD SCREEN.
20	14X12" RA DOWN TO OPEN-ENDED DUCT IN ELEVATOR HOIST WAY. PROVIDE FULL SIZE TRANSITION TO RTU. PROVIDE DUCT TEMPERATURE SENSOR.

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SCALE: 1/16" = 1'-0"
16 0 16

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228 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
M202	25022 PP0

SEAL

PROFESSIONAL CERTIFICATION
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LICENSE NO. 31268 EXPIRATION DATE 2027-01-18
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY:
DATE: JULY 14, 2025

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: 1/16" = 1'-0" PROFILE SCALE:

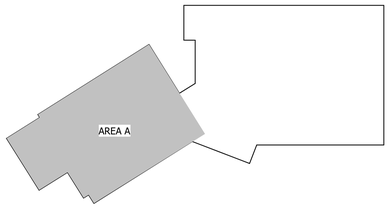
PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

DGN BY: IAN DRN BY: IAN CHKD BY: SPB

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
ESSEX POLICE PRECINCT - 11
NEW WORK - ROOF - MECHANICAL
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

JOB ORDER NUMBER	SHEET 206 OF 295	DRAWING NUMBER	FILE NO.: 8
PROJ-10000636		2025 - 1097	



KEY PLAN
SCALE: NONE

GENERAL NOTES:

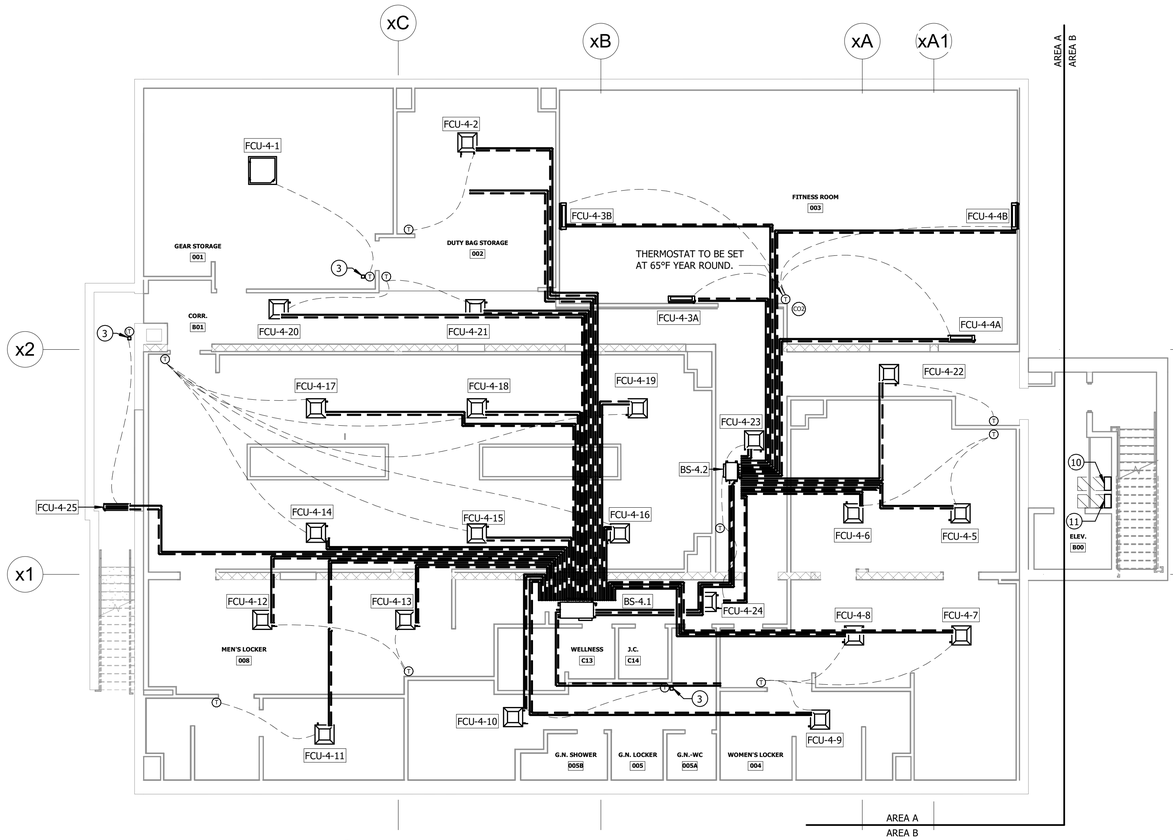
1: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.

2: INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND PIPE SIZES WITH THE VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.

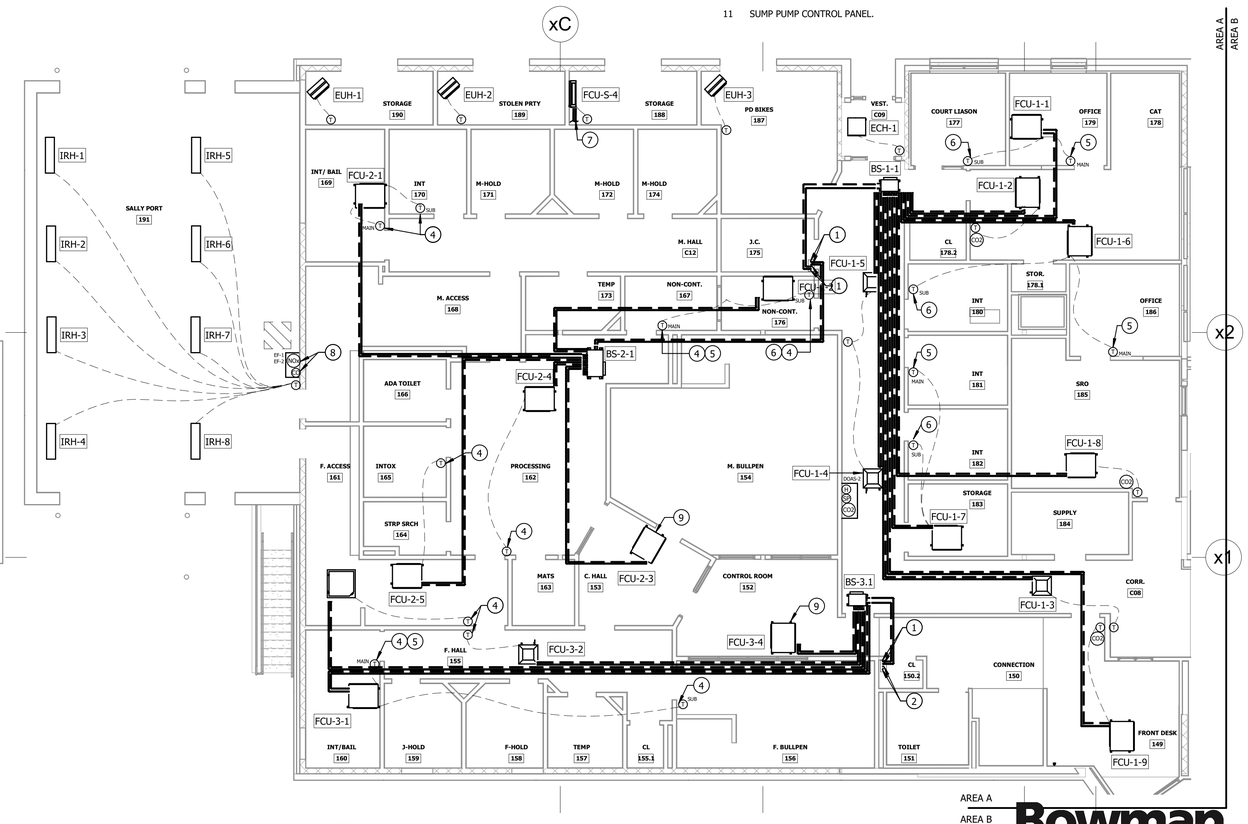
3: SIZE AND ROUTE REFRIGERANT PIPE PER MANUFACTURER RECOMMENDATION.

DRAWING NOTES

#	
1	RS/RL UP TO ACCU ON ROOF. SIZE AND ROUTE PER MANUFACTURER RECOMMENDATIONS.
2	RS/RL UP TO ACCU ON ROOF AND DOWN TO SERVE FLOOR BELOW. SIZE AND ROUTE PER MANUFACTURER RECOMMENDATIONS.
3	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.
4	THERMOSTAT TO BE SENSOR ONLY. NO DISPLAY OR ADJUSTMENT. PROVIDE ANTI-LIGATURE THERMOSTAT COVER AS MANUFACTURED BY ARSCO, OR EQUIVALENT.
5	MAIN THERMOSTAT IN MAIN-SUB CONFIGURATION. REFER TO CONTROLS FOR MORE INFORMATION.
6	SUB THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.
7	SIZE AND ROUTE REFRIGERANT PIPING TO ASSOCIATED CONDENSING UNIT PER MANUFACTURER RECOMMENDATIONS
8	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.
9	FCU PROVIDED WITH THERMOSTAT WITHIN DUCTWORK. REFER TO HVAC PLANS FOR MORE INFORMATION.
10	ELEVATOR SUMP PUMP OIL MINDER CONTROL PANEL. REFER TO DETAILS FOR MORE INFORMATION.
11	SUMP PUMP CONTROL PANEL.



NEW WORK - BASEMENT- AREA A - REFRIGERANT & ATC
SCALE: 1/8" = 1'-0"



NEW WORK - FIRST FLOOR - AREA A - REFRIGERANT & ATC
SCALE: 1/8" = 1'-0"

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SCALE: 1/8" = 1'-0"
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DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.: R.O.W NO.: KEY SHEET: ISW

POSITION SHT: 7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: IAN DWN BY: IAN CHKD BY: SPB

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

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ESSEX POLICE PRECINCT - 11

NEW WORK - AREA A - REFRIGERANT & ATC

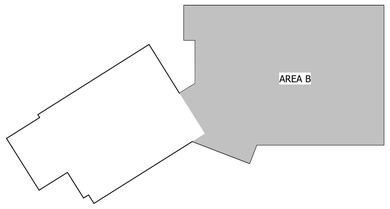
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M301A	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 207 OF 295	
DRAWING NUMBER	2025 - 1098
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT EQUIPMENT LOCATION AND ELEVATIONS.

2: INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION OF PIPE RUNS AND PIPE SIZES WITH THE VRF SYSTEM MANUFACTURER IN ADDITION TO ANY CHANGES AS A RESULT OF USING A SUBSTITUTE MANUFACTURER.

3: SIZE AND ROUTE REFRIGERANT PIPE PER MANUFACTURER RECOMMENDATION.

DRAWING NOTES

(#)

1 RS/RL UP TO ACCU ON ROOF. SIZE AND ROUTE PER MANUFACTURER RECOMMENDATIONS.

2 BAS TOUCHSCREEN CONTROL PANEL.

3 VRF TOUCHSCREEN CONTROL PANEL.

4 MAIN THERMOSTAT IN MAIN-SUB CONFIGURATION. REFER TO CONTROLS FOR MORE INFORMATION.

5 SUB THERMOSTAT IN MAIN-SUB CONFIGURATION, SEE SEQUENCE OF OPERATIONS.

6 SIZE AND ROUTE REFRIGERANT PIPING TO ASSOCIATED CONDENSING UNIT PER MANUFACTURER RECOMMENDATIONS

NEW WORK - FIRST FLOOR - AREA B - REFRIGERANT & ATC
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
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LICENSE NO. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

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REVIEWED BY:							
DATE REVIEWED:							

P.W.A. NO.	KEY SHEET	POSITION SHT
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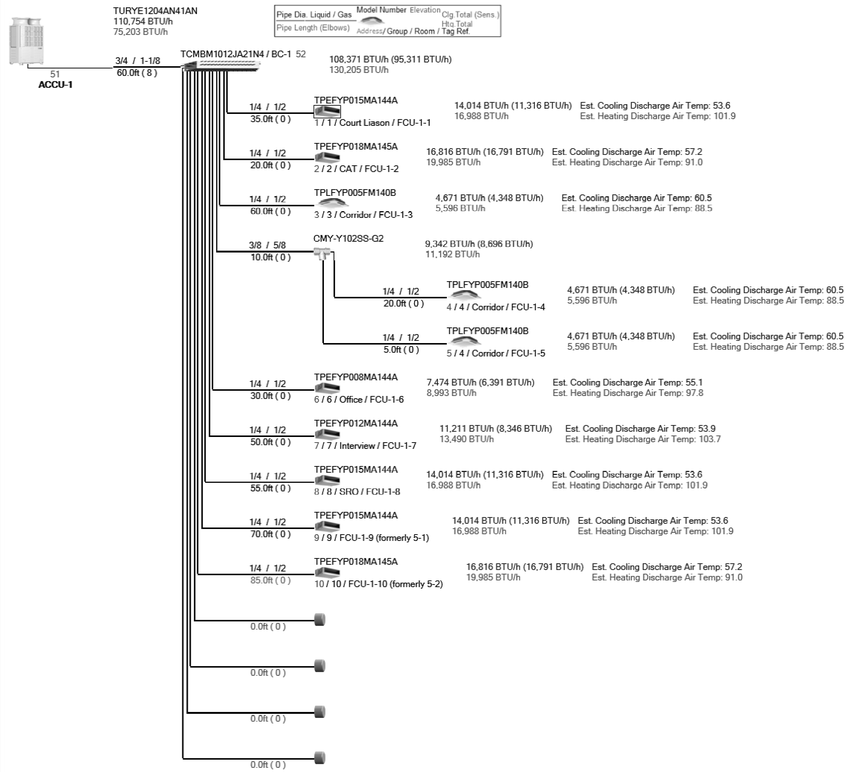
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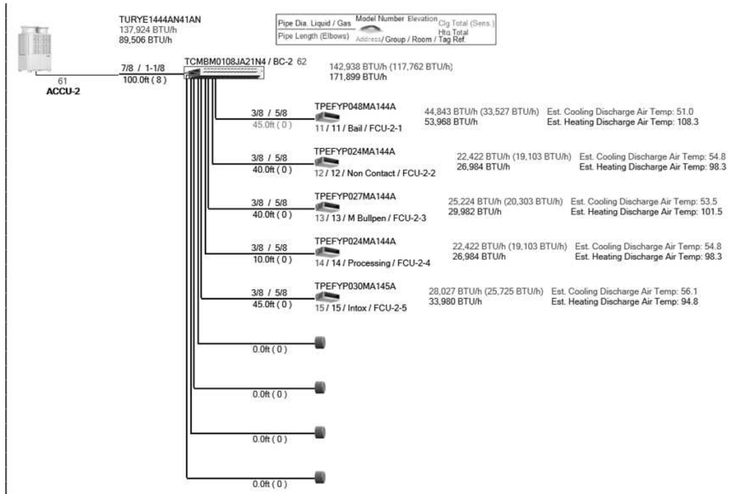
PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

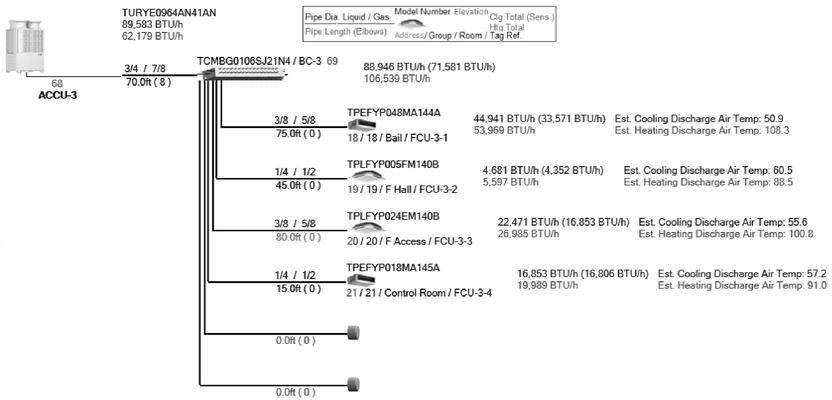
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ESSEX POLICE PRECINCT - 11
NEW WORK - AREA B - REFRIGERANT & ATC
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M301B	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 208 OF 295	
DRAWING NUMBER	2025 - 1099
FILE NO.: 8	REV. 01.02







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305 North Charles Street, Baltimore, Maryland 21201
410-625-4623 voice 410-625-4574 fax
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ENGINEER: BOWMAN CONSULTING ENGINEERS

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DATE:

DATE : JULY 14, 2025

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CONTRACT COMPLETION BOX | R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

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DGN BY: IAN							
DWN BY: IAN							
REVIEWED BY:							
CHKD BY: SPB							
DATE REVIEWED:							

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ESSEX POLICE PRECINCT - 11

REFRIGERANT RISERS

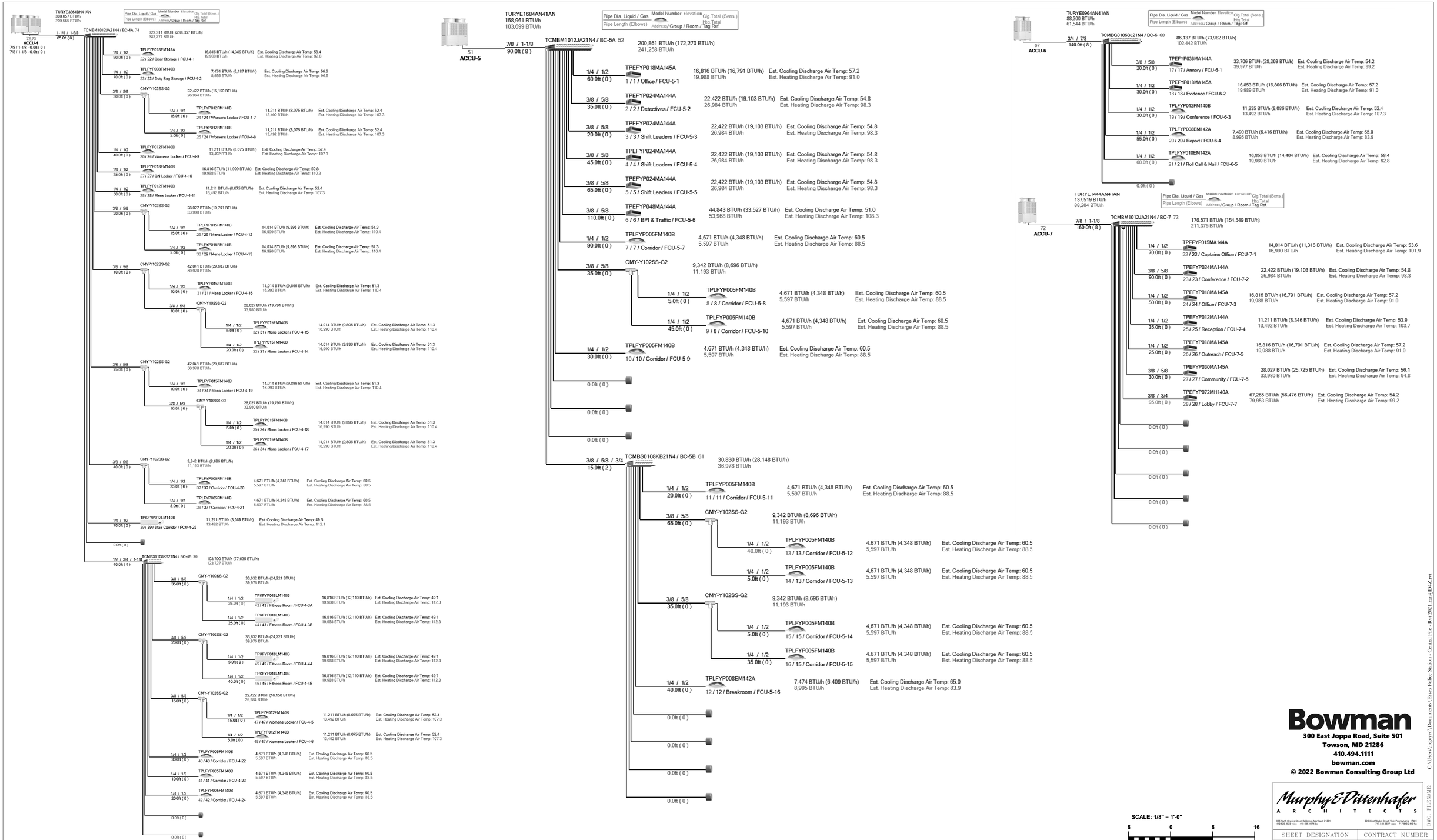
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SHEET DESIGNATION	CONTRACT NUMBER
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	DRAWING NUMBER
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SHEET DESIGNATION	CONTRACT NUMBER
M502	25022 PP0

JOB ORDER NUMBER
PROJ-10000636
SHEET 210 OF 295
DRAWING NUMBER
2025 - 1101
FILE NO.: 8

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STATE OF MARYLAND — BRIAN S. PITTMAN — 31268 — PROFESSIONAL ENGINEER

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BOWMAN CONSULTING ENGINEERS

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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: ISW

POSITION SHT	DRAWING SCALE
7NE28	PLAN SCALE:
7NE29	
8NE28	PROFILE SCALE:
8NE29	

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

REFRIGERANT RISERS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

GENERAL CONTROL SEQUENCES AND SAFETIES

GENERAL

1. Control contractor to work with BCPM to obtain on-site computer for BAS system.

SCHEDULING AND ZONES

1. Provide scheduling as instructed by the owner. The program shall monitor the controlled equipment statuses, where indicated as such on the points lists, to verify that the enable/disable status matches the command. When a status does not match a command an alarm shall be generated.

OPTIMIZED START

1. Optimized start programs shall be accomplished by monitoring outdoor temperature, individual or zone space temperatures, and historical data of building recovery time. The program shall automatically evaluate the thermal inertia of the building and the capacity of the HVAC system. At the start of the occupied schedule the program shall determine the minimum time of HVAC system operation need to satisfy the space set point requirements and either increase or decrease start time based on indoor and outdoor conditions. Each piece of equipment shall start individually in response to its space or zone temperature and as indicated on the points list.
   a. Heat pumps and rooftop units shall perform optimum start individually in response to their respective space or zone temperature sensors.
   b. DOAS units shall not perform optimum start.

OPTIMIZED STOP

1. Optimized stop shall engage to decrease the building heating temperature setpoint and increase the building cooling temperature setpoint by 2°F prior to the scheduled unoccupied period.
2. Optimized stop programs shall be accomplished by monitoring outdoor temperature, individual or zone space temperatures, and historical data of building set-back time. The program shall automatically evaluate the thermal inertia of the building and the capacity of the HVAC system. Prior to the start of the unoccupied schedule the program shall determine the time of HVAC system operation need to satisfy the space set point requirements and either increase or decrease stop time based on indoor and outdoor conditions. Each piece of equipment shall stop individually in response to its space or zone temperature and as indicated on the points list.
   a. Heat pumps and rooftop units shall perform optimum stop individually in response to their respective space or zone temperature sensors.
   b. DOAS units shall not perform optimum stop.

TIMED PROGRAMMED COMMANDS

1. The TPC program shall reduce the heating space temperature set point and raise the cooling space temperature set point during unoccupied hours. The software shall limit the amount of setback during periods of extremely cold weather to facilitate morning warm-up and prevent freeze-ups. Setback shall initially be set with the scale of 55°F indoors at outdoor air temperatures of 50°F and warmer and 60°F indoors at 25°F or colder outdoor air temperatures. Set-up temperature shall be 85°F. Systems not capable of mechanical cooling shall not perform night set-up.
2. Provide software to reduce the HVAC thermal load during warm-up or cool-down cycles prior to the occupancy of the building. Heating-only units shall not perform cool-down.
3. Heat pumps shall perform TPC individually in response to their respective space temperature sensor.
4. Only RTU's that are controlled by space temperature sensor and are capable of re-circulating air shall perform TPC.

EMERGENCY GENERATOR

1. BAS shall monitor emergency generator operation including generator load and generator status.

SPACE TEMPERATURE AND HUMIDITY SETPOINTS

1. All space temperature sensors and thermostats shall have occupied heating set points of 72°F and occupied cooling set points of 75°F unless noted otherwise.
2. All space temperature sensors and thermostats shall have unoccupied heating set points of 62°F and unoccupied cooling set points of 85°F unless noted otherwise.
3. Space sensor local adjustment limitation. Software shall limit local set point adjustment to ±2°F offset from the programmed set points (initially 72°F heating/75°F cooling). Programmed set point and actual set point due to local adjustment shall be displayed in all relative trends and graphics.

OVERRIDE PROGRAMS

1. Touch screen: A touch screen graphic for manual override of all scheduled start/stop zones shall be located in the operations office, coordinate location with owner. Override program shall to start any desired zone's equipment by touch screen. The program shall permit operator selection of zones and shall enable all related equipment for that particular zone. The program shall index the selected zone to an "ON" mode in a minimum of one-hour increments for a period of up to six hours in the override condition. Once overridden, the zone equipment shall operate in the occupied mode, including exhaust fan interlocks.
2. Timed override feature shall allow an operator to temporarily change the state of scheduled equipment. an override command shall be selectable to apply to an individual unit, all units assigned to a given master schedule, or to all units in a building. Timed override shall terminate at the end of an operator selectable time, or at the end of the scheduled occupied/unoccupied period, whichever comes first. A password level that does not allow assignment of master schedules shall allow a timed override feature.
3. Provide equipment override programs for all DOAS and RTUS. Program shall allow operator to override RTU/DOAS "OFF" command to enable individual units for operation without overriding zone command. Duration of override shall be for 3 hours. Intent is to allow DOAS and RTUS to run for maintenance servicing without requiring other equipment in the zone to operate as would be required if the zone were overridden on.
4. Override shall be possible for analog or time clock values for a given period of time, until a given time or permanently. Overrides may be cleared at the keyboard or through programmable user functions.
5. Keyed Emergency Fan Shutdown: Key switch at building entrance near fire alarm annunciator shall shutdown all DOAS, RTUS and HVUS.

SAFETIES

1. All equipment and/or systems safeties and/or overrides such as freeze, fire, and smoke detection shall override bas as necessary to execute their functions without relying on bas software. High limit/low limit control shall be by BAS for equipment under BAS occupied cycle temperature control and by electric devices in all other case. All safety controls shall be wired independent of the motor starters HOA switches.
2. Smoke Detection: Smoke detectors shall be proved for all air handling equipment over 2000 CFM or as indicated on the control diagrams or floor plans. Upon detection of smoke the associated air handling unit shall shutdown and all dampers shall close, and the fire alarm panel shall be alerted.
3. Condensate Pan Overflow Switch (all indoor equipment above ceiling): Switches furnished by ATC contractor shall disable all heat pump or air conditioning units.

SCHEDULING

1. Operating schedules shall be adjustable via a graphic utility. Scheduling feature shall include multiple seven-day master and regular schedules, plus holiday and special event schedules.

   A yearly calendar feature shall allow assignment of holidays and automatic reset of system real time clocks for transitions between daylight savings time and standard time. Schedules shall reside in building controllers, not on the system server. Each type of schedule shall have start time and stop time. Normal conventions shall be that "stop", "unoccupied", or "off" shall place the controlled building/zone/equipment in the unoccupied mode; "start", "occupied", or "on" shall place the controlled building/zone/equipment in the occupied mode. default of the schedule shall be "off" (stop, unocc); operator entries shall be required to schedule equipment "on" (start, occ). equipment shall be assigned to zone schedules. Each and all zones shall controllable by any of the five types of schedules in any combination and the schedules shall operate concurrently.

   Schedule types:
   a. Master Schedule: Provide a repeatable 7-day master schedule. All zones assigned to the master schedule shall respond to the daily on/off entered in that schedule. Each day schedule shall be able to have multiple on/off times. This schedule is construed as that which controls the building on a regular, daily basis. Each building shall be provided with 10-month and 12-month master schedules.
   b. Regular Schedule: Provide repeatable 7-day regular schedules for each zone. Each day of the schedule shall function with multiple on/off times. Regular schedules shall be used to provide "on" times in addition to those scheduled in the master schedule.
   c. Holiday Schedule: Holiday schedules shall temporarily modify the master and regular schedules. it shall be possible to schedule holidays a year in advance. Holidays shall be entered by date; master and regular schedules shall respond to the holiday schedule for the date entered.
   d. Special Schedule: Special schedules supersede all other schedules. Special schedules are single event schedules entered by time and date. Single event schedule shall be able to be entered up to one year in advance of the event. A minimum of 12 single event schedules per year per zone shall be provided. (the cessation of the single event schedule shall be inherent once the date and time have passed).

ALARM CONDITIONS

1. When the BAS has generated an alarm, the designated on call person shall receive a text message with the alarm condition. The alarm conditions that generate a text message shall be adjustable by the person on call.

UTILITY SUB-METERING

1. In addition to total energy usage, the following utilities shall be sub-metered and usage shall be available at the BAS and shall be visible at a local display (location to be determined by owner).
   a. Lighting (Interior and Exterior)
   b. HVAC (Electric)
   c. Plug Loads
   d. Domestic Water Usage (Gallons)

BAS FLOW METER

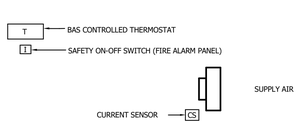
1. Include an IP based reportable flow meter in the domestic cold water service inside the building to measure the total GPM flow rate and transmit the recorded flow to the BAS.

GLOBAL AND MISCELLANEOUS POINTS LIST

POINT	ABBREVIATION	TYPE	UNITS	TREND	ALARM	READ/WRITE	PROVIDER
BAS UPS		BI	NORMAL/ALARM		X	READ	BAS
EMERGENCY GENERATOR		AI	AMPERAGE	X		READ	BAS
EMERGENCY GENERATOR STATUS		BI	NORMAL/ALARM		X	READ	BAS
TRANSFER SWITCH		BI	NORMAL/EMERG	X		READ	BAS
FIRE ALARM CONTROL PANEL		BI	NORMAL/ALARM		X	READ	ELEC
MANUAL HVAC EMERGENCY SHUTDOWN		BI	ENABLE/DISABLE		X	READ	ELEC
OUTSIDE AIR TEMPERATURE		AI	DEG F.	X		READ	BAS
OUTSIDE AIR HUMIDITY		AI	% RH.			READ	BAS
OUTSIDE AIR ENTHALPY		SOFTWARE	BTU/LB.	X		READ	BAS
3-PHASE MONITORING		BI	NORMAL/ALARM	X	X	READ	BAS
REFRIGERANT DETECTOR		BI	NORMAL/ALARM		X	READ	BAS
LIGHTING POWER USAGE		AI	KWH/DAY			READ	BAS
HVAC POWER USAGE (ELECTRIC)		AI	KWH/DAY			READ	BAS
DOMESTIC HOT WATER USAGE (ELECTRIC)		AI	KWH/DAY			READ	BAS
PLUG LOADS		AI	KWH/DAY			READ	BAS
DOMESTIC WATER USAGE		AI	GAL/DAY			READ	BAS
SECURITY GENERAL ALARM		BI	NORMAL/ALARM		X	READ	BAS

LEGEND: BAS = CONTROL CONTRACTOR, MFR = EQUIPMENT MANUFACTURER, MECH = MECHANICAL CONTRACTOR, ELEC = ELECTRICAL CONTRACTOR, EX = EXISTING

PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.



ELECTRIC WALL/CEILING/UNIT HEATERS - SEQUENCE OF OPERATIONS

SCALE: NONE

A. General
1. The System Controller shall have LEDs to indicate "Power On" and 1 unit mounted thermostat provided by the equipment manufacturer. These shall be connected to the building automation system. The temperature setting shall be adjustable at the thermostat.

B. Operation
1. The unit heater shall be controlled by the local thermostat. When the space temperature drops below the heating setpoint of 70°F, the fan and the electric heat shall be energized.

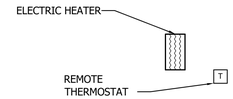
2. When the space temperature rises above the setpoint by a temperature differential of 1°F, the fan and heater shall de-energize.

3. If the heater status does not match the commanded value, an alarm will be generated.

C. Safeties
1. The electric heater shall be equipped with an automatic shut-off to prevent the unit from overheating.

BAS POINTS LIST

POINT	TYPE	UNITS	TREND	ALARM
COMMAND (TYP.)	BO	ON/OFF		
STATUS (TYP.)	BI	ON/OFF		X
SPACE TEMPERATURE (TYP.)	AI	DEGREE F		X



IRH-XX : ELECTRIC INFRARED UNIT HEATER

ELECTRIC INFRARED CEILING UNIT HEATERS - SEQUENCE OF OPERATIONS

SCALE: NONE

A. General
1. The System Controller shall have LEDs to indicate "Power On" and 1 wall mounted thermostat provided by the equipment manufacturer. These shall be connected to the building automation system. The temperature setting shall be adjustable at the thermostat.

B. Operation
1. Operate only when bay doors are closed.

2. The set point temperature shall be 60°F (adj.).

3. Upon the thermostat detecting the temperature is below the set point, the infrared heater shall energize. Upon the thermostat detecting the set point has been restored, the infrared heater shall de-energize. Upon the outdoor air temperature rising above 45°F, the infrared heater shall de-energize and be locked out until the outdoor air temperature falls below 45°F.

C. Safeties
1. The infrared heater shall be equipped with an automatic shut-off to prevent the unit from overheating.

BAS POINTS LIST

POINT	TYPE	UNITS	TREND	ALARM
COMMAND (TYP.)	BO	ON/OFF		
STATUS (TYP.)	BI	ON/OFF		X
SPACE TEMPERATURE (TYP.)	AI	DEGREE F		X
BAY DOOR SWITCH STATUS	BI	OPEN/CLOSED		

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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SHEET DESIGNATION	CONTRACT NUMBER
M601	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 211 OF 295
	DRAWING NUMBER
	2025 - 1102
	FILE NO.: 8 REV. 01.22

SEAL

DATE : JULY 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. 31268 EXPIRATION DATE: 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

CONTROLS

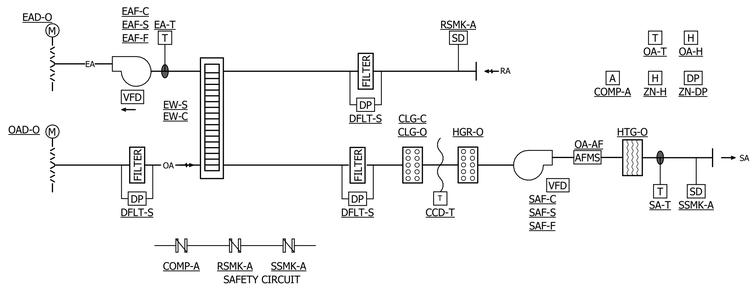
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



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.

VAV, DX COOLING, HOT GAS REHEAT, ELECTRIC HEATING, DEDICATED OUTDOOR AIR SYSTEM - SEQUENCE OF OPERATION

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.
2. The unit shall have no factory controls. Controls to be provided by Controls Contractor.

B. Unoccupied Mode

1. Building will always operate in occupied mode.

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 DX cooling output and electric heat 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 VFD shall be locked during balancing. 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. Heating 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°F (adj.). The hot gas reheat valve shall modulate to maintain supply air temperature set point indicated in the 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. The system includes 2 humidity sensors. The following sequence applies to both sensors.
   a. When the Zone Humidity rises above the Zone Humidity Setpoint of 58%RH (adj.) the dehumidification mode shall be energized.
   b. 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.).
   c. When the Zone Humidity falls below the Zone Humidity Setpoint of 52%RH (adj.) the dehumidification mode shall be de-energized.
   d. 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 floor.

H. 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, and the return dampers shall be open.
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.

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	BAS
AI	SUPPLY AIR TEMPERATURE	SA-T	DEG F	X		READ	BAS
AI	ZONE DIFFERENTIAL PRESSURE	ZN-DP	IN H2O	X		READ	BAS
AI	RETURN AIR TEMPERATURE	RA-T	DEG F	X		READ	BAS
AI	RETURN AIR HUMIDITY	RA-H	%RH	X		READ	BAS
AI	OUTSIDE AIR FLOW	OA-AF	CFM	X		READ	BAS
AO	EXHAUST AIR DAMPER OUTPUT	EAD-O	%	X		READ/WRITE	BAS
AO	OUTSIDE AIR DAMPER OUTPUT	OAD-O	%	X		READ/WRITE	BAS
AO	RETURN AIR DAMPER OUTPUT	RAD-O	%	X		READ/WRITE	BAS
AO	EXHAUST FAN SPEED	EAF-F	Hz	X		READ/WRITE	BAS
AO	SUPPLY FAN SPEED	SAF-F	Hz	X		READ/WRITE	BAS
AO	ELECTRIC HEATING OUTPUT	HTG-O	%	X		READ/WRITE	BAS
AO	COOLING OUTPUT	CLG-O	%			READ/WRITE	BAS
AO	HOT GAS REHEAT OUTPUT	HGR-O	%			READ/WRITE	BAS
BI	SUPPLY FAN STATUS	SAF-S	ON/OFF	X	X	READ	BAS
BI	EXHAUST FAN STATUS	EAF-S	ON/OFF	X	X	READ	BAS
BI	ENERGY WHEEL ROTATION STATUS	EW-S	ON/OFF	X	X	READ	BAS
BI	SUPPLY AIR SMOKE DETECTOR	SSMK-A	ALARM/NORMAL		X	READ	BAS
BI	RETURN AIR SMOKE DETECTOR	RSMK-A	ALARM/NORMAL		X	READ	BAS
BI	DIRTY FILTER STATUS	DFLT-S	ALARM/NORMAL		X	READ	BAS
BI	COMPRESSOR ALARM	COMP-A	ALARM/NORMAL		X	READ	BAS
BO	SUPPLY FAN COMMAND	SAF-C	ON/OFF			READ/WRITE	BAS
BO	EXHAUST FAN COMMAND	EAF-C	ON/OFF			READ/WRITE	BAS
BO	COOLING COMMAND	CLG-C	ON/OFF			READ/WRITE	BAS
BO	ENERGY WHEEL COMMAND	EW-C	ON/OFF			READ/WRITE	BAS
AO	ZONE CARBON DIOXIDE (MULTIPLE)	ZN-CO2	PPM			READ	BAS

LEGEND: BAS = CONTROL CONTRACTOR, MFR = EQUIPMENT MANUFACTURER, MECH = MECHANICAL CONTRACTOR, ELEC = ELECTRICAL CONTRACTOR, EX = EXISTING

PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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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 717-846-8827 voice 717-843-2446 fax

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DWG. FILENAME:

SEAL
STATE OF MARYLAND — IAN RAVEN — 31268 — PROFESSIONAL ENGINEER
DATE : JULY 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. 31268 EXPIRATION DATE 2027-01-18
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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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

CONTROLS

RENOVATION & ADDITION

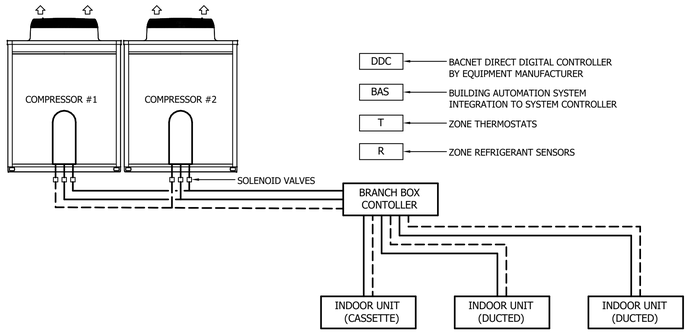
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
M602	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 212 OF 295	
DRAWING NUMBER	2025 - 1103
FILE NO.: 8	REV. 00/0



AIR COOLED VARIABLE REFRIGERANT FLOW - SEQUENCE OF OPERATION

SCALE: NONE

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.

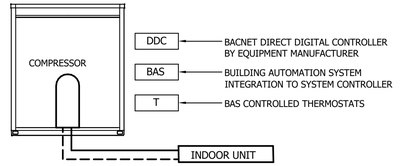
B. Unoccupied Mode
1. When the VRF is in the unoccupied mode the indoor unit shall be in Auto-Mode and the fan shall be set to Auto. If the zone temperature falls outside of the unoccupied temperature set point, the unit shall modulate to maintain the unoccupied zone temperature set point.

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 and refrigerant low pressure sensors shall be field provided and installed at condensing units 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. BAS shall trend Refrigerant Leak Detector. Provide an alarm if refrigerant leak is detected. If alarm is triggered, a text message shall be sent through the BAS. No audible or 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	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.
PROVIDER ABBREVIATION: MFR. = EQUIPMENT MANUFACTURER, MECH. = MECHANICAL CONTRACTOR, BAS = CONTROL CONTRACTOR, ELEC. = ELECTRICAL CONTRACTOR							
PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.							



DUCTLESS SPLIT SYSTEMS - SEQUENCE OF OPERATIONS

SCALE: NONE

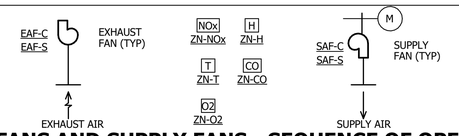
A. General
1. The System Controller shall have LEDs to indicate "Power On" and 1 zone thermostat provided by the unit manufacturer. All controls by the equipment manufacturer.

2. These shall be connected to the building automation system. BAS shall monitor/control points indicated in points list via manufacturer provided BACNET interface.

B. Operation
1. The unit shall operate via manufacturer provided control sequence to maintain temperature setpoint.

SPLIT SYSTEM POINTS LIST

POINT	TYPE	UNITS	TREND	ALARM
SYSTEM COMMAND	B0	OFF/ON	X	
SYSTEM STATUS	BI	OFF/ON		X
SYSTEM ERROR CODE	AI	ERROR CODE	X	X
GENERAL ALARM	BI	NORMAL/ALARM	X	
ROOM TEMPERATURE	AI	DEGREE F	X	X
PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.				



EXHAUST FANS AND SUPPLY FANS - SEQUENCE OF OPERATIONS

SCALE: NONE

EF-1: Garage Area Normal Exhaust
Fan shall run continuously when sallyport doors are closed. When sallyport doors open, fan shall be off. If the fan status does not match the commanded value, an alarm will be generated.

EF-2: Garage Area (CO/NOx Exhaust)
- Fan shall be normally off.
- Fan shall be commanded on by CO/Nox sensor alarm, manual pull-station or manual BAS command.
- Upon activation of Carbon Monoxide detector at or above 20 ppm (adj.) or Nitrogen Oxide at or above 1 ppm (adj.), the fan shall activate for 30 minutes (adj.).
- Manual activation shall activate fan for 60 minutes via a control relay with adjustable timer.
- The fan shall be interlocked to its associated motor operated damper(s) on the outside air intake louver(s) which will open on fan enable.
- If the fan status does not match the commanded value, an alarm will be generated. During failure/alarm of fan, fan shall be disabled and associated motor operated damper(s) shall be closed.

SF-1: Storage
Fan shall run continuously. If the fan status does not match the commanded value, an alarm will be generated. The fan shall be interlocked to its associated motor operated damper on the outside air intake louver. During failure/alarm of fan or associated unit heater, the fan shall be disabled and motor operated damper shall be closed.

BAS POINTS LIST

TYPE	POINT	ABBREVIATION	UNITS	TREND	ALARM	READ/WRITE	PROVIDER
BO	SUPPLY FAN COMMAND	SAF-C	ON/OFF			READ/WRITE	BAS
BI	SUPPLY FAN STATUS	SAF-S	ON/OFF		X	READ	BAS
BO	EXHAUST FAN COMMAND	EAF-C	ON/OFF			READ/WRITE	BAS
BI	EXHAUST FAN STATUS	EAF-S	ON/OFF		X	READ	BAS
AI	ZONE AIR TEMPERATURE	ZN-T	DEG F	X	X	READ	BAS
AI	ZONE AIR CARBON MONOXIDE	ZN-CO	PPM	X	X	READ	BAS
AI	ZONE AIR NITROGEN OXIDE	ZN-NO2	PPM	X	X	READ	BAS
AI	ZONE AIR REFRIGERANT	ZN-REF	PPM	X	X	READ	BAS
LEGENDS: BAS = CONTROL CONTRACTOR, MFR = EQUIPMENT MANUFACTURER, MECH = MECHANICAL CONTRACTOR, ELEC = ELECTRICAL CONTRACTOR							
PROVIDE ALL SOFTWARE POINTS TO ACCOMPLISH SEQUENCE OF OPERATION.							

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com
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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-843-2448 fax

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND — JOHN BRADLEY TAN — 27508 — 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. 31268 EXPIRATION DATE 2027-01-18				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 12" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

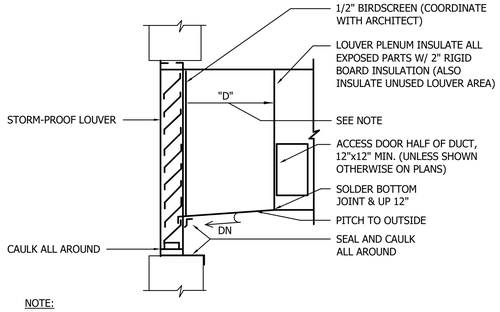
ESSEX POLICE PRECINCT - 11

CONTROLS

RENOVATION & ADDITION

SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M603	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 213 OF 295
	DRAWING NUMBER
	2025 - 1104
	FILE NO.: 8

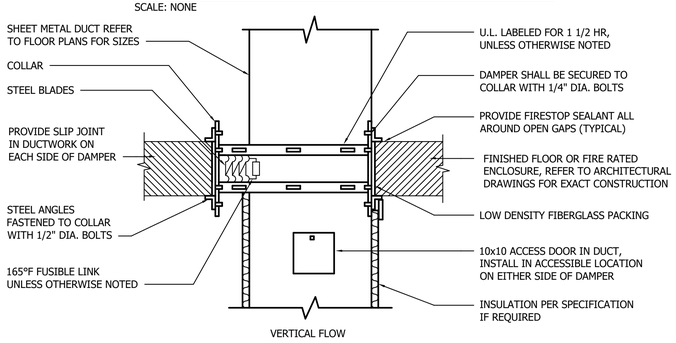


NOTE:

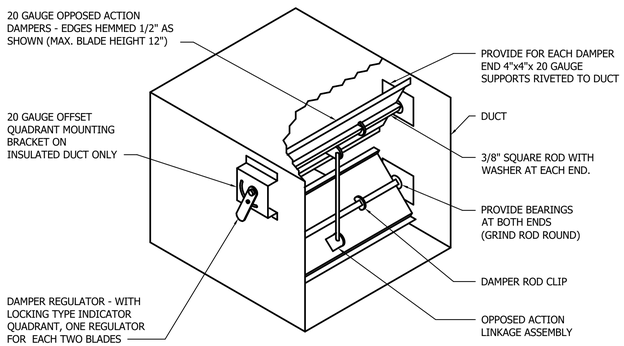
1. WHEN "D" IS OVER 24" PROVIDE 3/4" DRAIN AT 5'-0" CENTERS (IF DEPTH INTO PAPER IS GREATER THAN 5'-0"), 6" FROM LOUVER WITH TRAP.

DETAIL - TYPICAL LOUVER CONNECTION

SCALE: NONE



DETAIL - TYPICAL VERTICAL MOUNTED COMBINATION FIRE AND SMOKE DAMPER

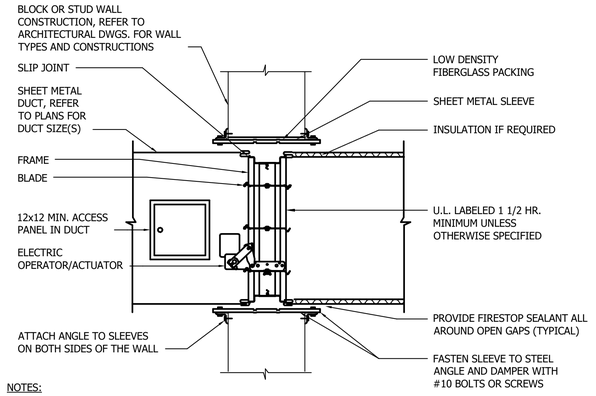


NOTE:

1. FOR DUCTS OVER 29" WIDE AND/OR OVER 12" HIGH.

DETAIL - TYPICAL LOW PRESSURE BALANCING / VOLUME DAMPER (DUCTS OVER 29" WIDE AND/OR 12" HIGH)

SCALE: NONE

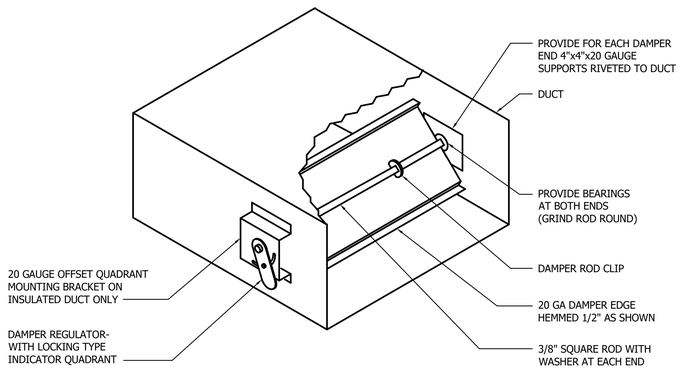


NOTES:

1. 12" x 12" ACCESS PANELS SHALL BE INSTALLED IN DUCTS NEAR DUCT SMOKE DETECTORS.
2. DAMPERS SHALL BE LABELED AND LISTED BY UNDERWRITERS LABORATORIES.
3. FIRE/LEAKAGE RATED DAMPERS AND QUALIFIED OPERATORS SHALL BE FACTORY TESTED TOGETHER BY UNDERWRITERS LABORATORY AND SHALL BE FACTORY INSTALLED TO QUALIFY FOR STANDARD DAMPER /OPERATOR WARRANTIES.
4. FIELD INSTALLED ACTUATORS SHALL BE INSTALLED ACCORDING TO THE SPECIFIC ACTUATOR INSTALLATION INSTRUCTIONS FOR MOUNTING ARRANGEMENTS, DUCT VELOCITIES AND DAMPER SIZE.
5. DAMPER OPERATOR/ACTUATOR SHALL BE TESTED PRIOR TO SYSTEM START-UP TO ENSURE PROPER OPERATION.
6. BEFORE APPLYING POWER TO THE OPERATOR/ACUATOR, THE POWER SHALL BE VERIFIED.
7. DAMPERS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MATERIAL LISTING.
8. FIRE/SMOKE DAMPER SHALL HAVE FACTORY UL LISTING WITH ACTUATOR.

DETAIL - TYPICAL HORIZONTAL FLOW FIRE / SMOKE DAMPER

SCALE: NONE

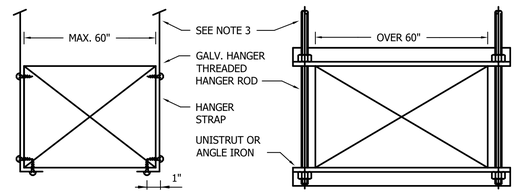


NOTE:

1. FOR DUCTS UP TO 12" HIGH.

DETAIL - TYPICAL LOW PRESSURE BALANCING / VOLUME DAMPER (DUCTS UP TO 12" HIGH)

SCALE: NONE

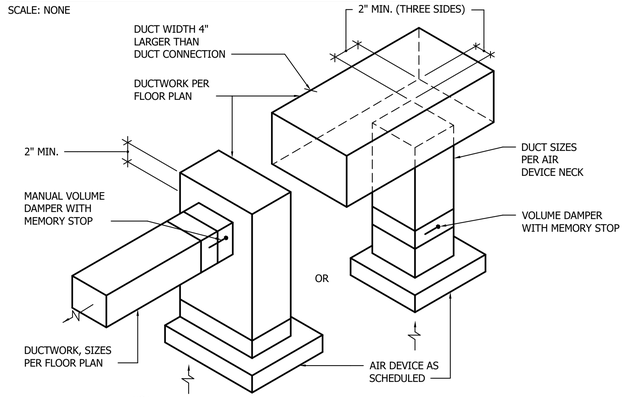


NOTES:

1. ON DUCTS OVER 48" WIDE, BOTTOM SHALL BE BRACED BY ANGLE, FOR CROSS SECTION AREAS MORE THAN 8 SQ FT, DUCTS SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.
4. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT CONSTRUCTIONS OF THE STRUCTURES ABOVE SUPPORTING DUCTS.

DETAIL - TYPICAL DUCTHANGER SUPPORT

SCALE: NONE

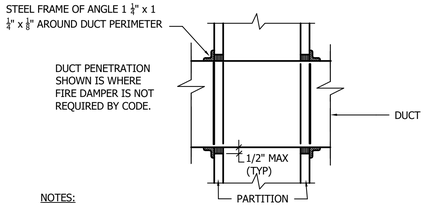


NOTE:

1. RETURN DUCT PERTINENT TO DUCTED RETURN SYSTEM(S) ONLY.

DETAIL - TYPICAL RETURN / EXHAUST AIR DUCT DEVICE CONNECTION

SCALE: NONE



NOTES:

1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE RESISTANT INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPES.

DETAIL - TYPICAL DUCT WALL PENETRATION

SCALE: NONE

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300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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SEAL

DATE : JULY 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. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

DGN BY: IAN	DWN BY: IAN	CHKD BY: SPB

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

ESSEX POLICE PRECINCT - 11

DETAILS

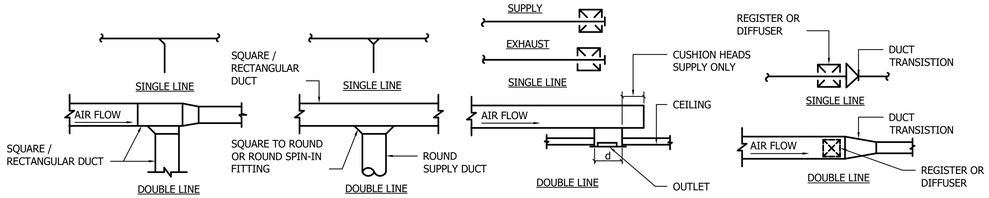
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

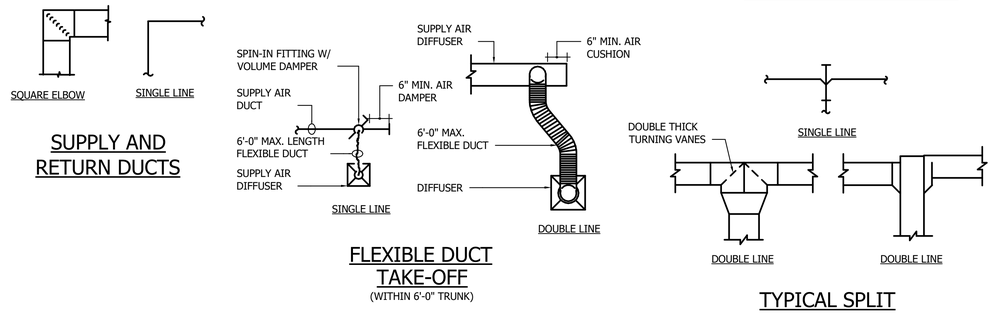
SHEET DESIGNATION	CONTRACT NUMBER
M701	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 214 OF 295	DRAWING NUMBER 2025 - 1105
FILE NO.: 8	REV. 07/22



TYPICAL TAPOFF & TRANSITION FROM SIDE OF DUCT

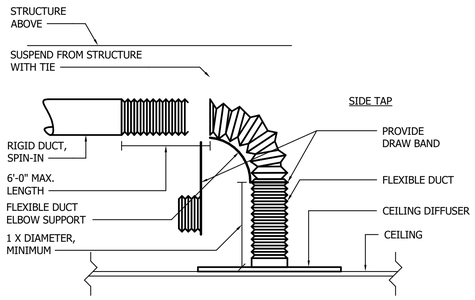
OUTLET LOCATED AT END OF RUN

DIFFUSER OR REGISTER TAPOFF & TRANSITION



DETAIL - TYPICAL SINGLE AND DOUBLE LINE DUCTWORK

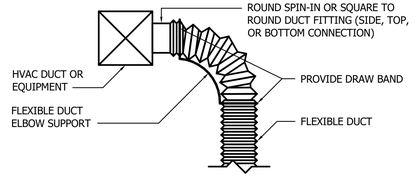
SCALE: NONE



NOTE: INSTALL FLEXIBLE DUCT ELBOW SUPPORTS AT ALL DIFFUSERS.

◯ CEILING DIFFUSER CONNECTION

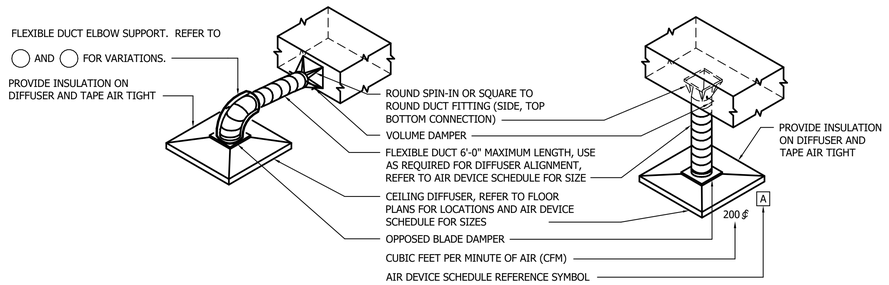
SCALE: NONE



NOTE: INSTALL FLEXIBLE DUCT ELBOW SUPPORTS AT ALL FLEXIBLE DUCT 90° BENDS.

◯ FLEXIBLE DUCT CONNECTION TO DUCT BRANCH

SCALE: NONE

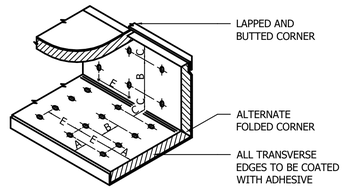


NOTES:

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



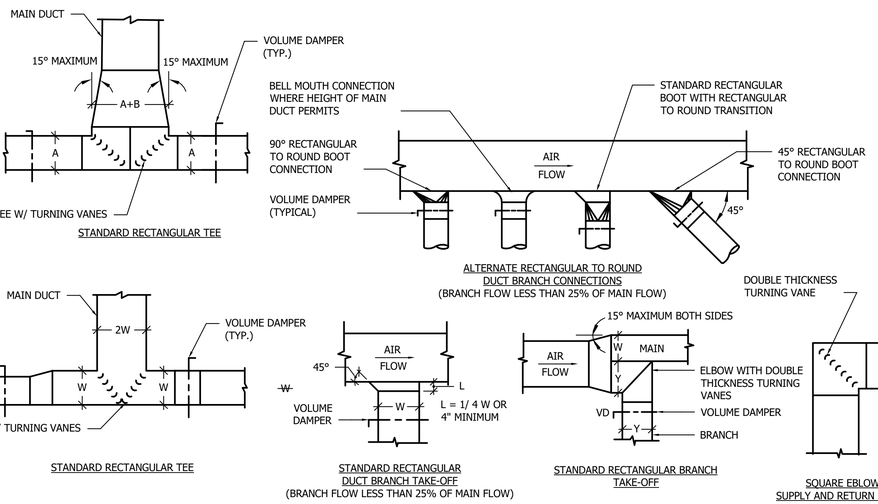
VELOCITY	MAX SPACING FOR FASTENERS			
	A	B	C	E
LOW - 2 INCH S.P. & LESS	3"	12"	4"	18"
MED - 3 INCH S.P. & GREATER	3"	6"	4"	16"

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.
3. PROVIDE GALVANIZED PERFORATED LINER ON ROOFTOP AIR HANDLING UNIT MEDIUM PRESSURE PRIMARY AIR SUPPLY TO VAV BOXES AND ROOFTOP AIR HANDLING UNIT RETURN AIR DUCTWORK.

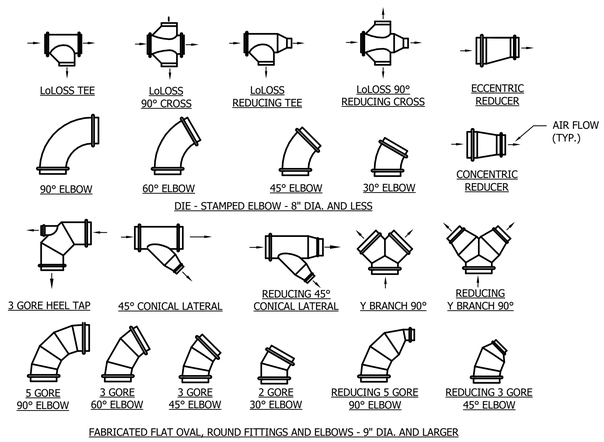
DETAIL - TYPICAL DUCT LINER INSTALLATION

SCALE: NONE



DETAIL - TYPICAL BRANCH DUCTWORK

SCALE: NONE



DETAIL - TYPICAL ROUND DUCT FITTINGS

SCALE: NONE

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300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
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DWG. FILENAME:

SEAL

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DATE : JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

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

ENGINEER: BOWMAN CONSULTING ENGINEERS	DGN BY: IAN
AS-BUILT PER RECORD PRINT	DRN BY: IAN
BY: DATE:	CHKD BY: SPB

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

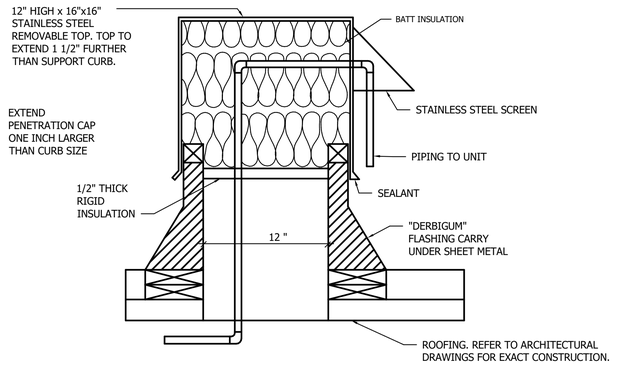
ESSEX POLICE PRECINCT - 11

DETAILS

RENOVATION & ADDITION

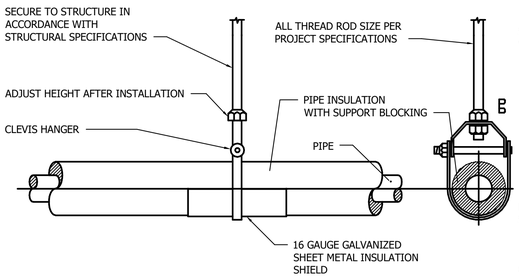
SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M702	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET	215 OF 295
DRAWING NUMBER	2025 - 1106
FILE NO.: 8	REV. 0



DETAIL - ROOF PIPE PENETRATION

SCALE: NONE

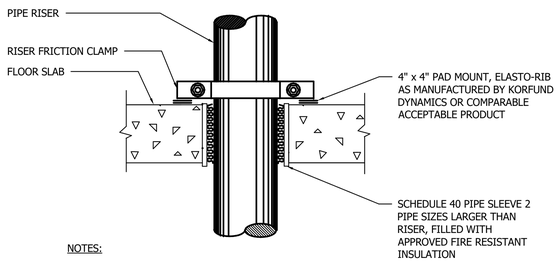


NOTES:

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

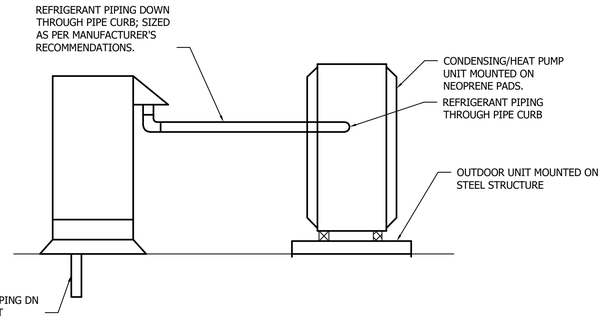


NOTES:

1. ALL 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.

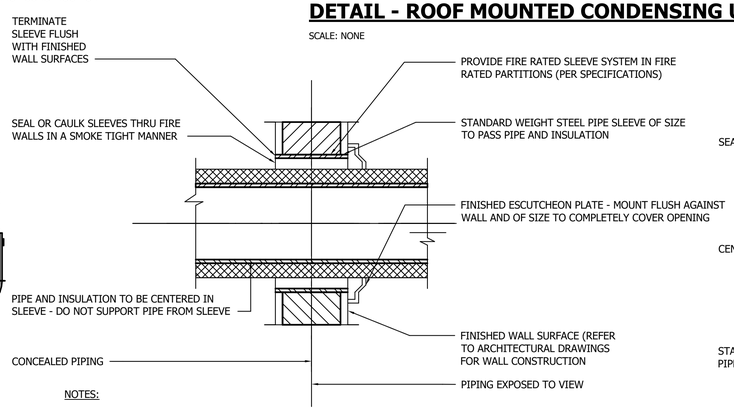
DETAIL -TYPICAL PIPE PENETRATION THROUGH FLOOR

SCALE: NONE



DETAIL - ROOF MOUNTED CONDENSING UNIT INSTALLATION

SCALE: NONE

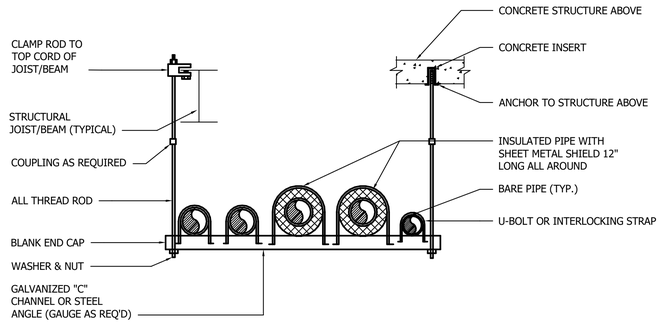


NOTES:

1. PROVIDE PIPE SLEEVES AT ALL WALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT WALL CONSTRUCTIONS.

DETAIL - TYPICAL PIPE SLEEVE THRU INTERIOR WALL

SCALE: NONE

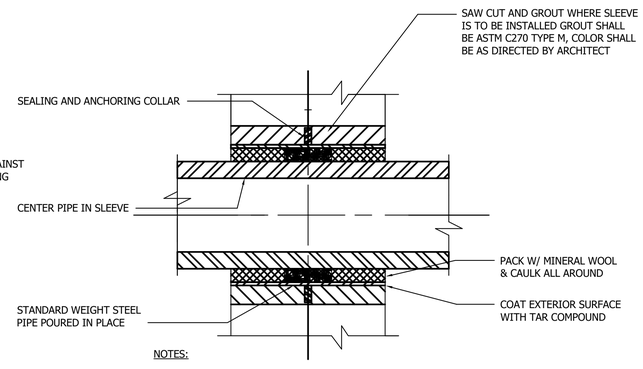


NOTES:

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

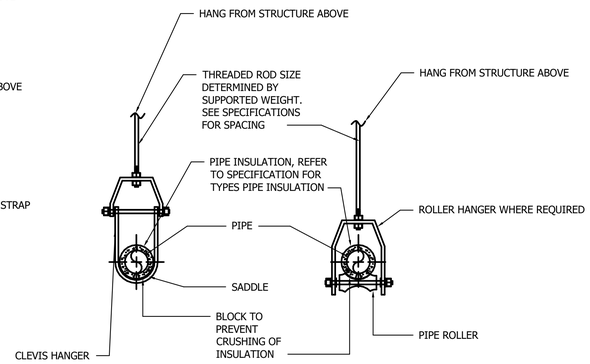


NOTES:

1. PROVIDE WEATHER TIGHT PIPE SLEEVES AT ALL WALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR WALL CONSTRUCTIONS.

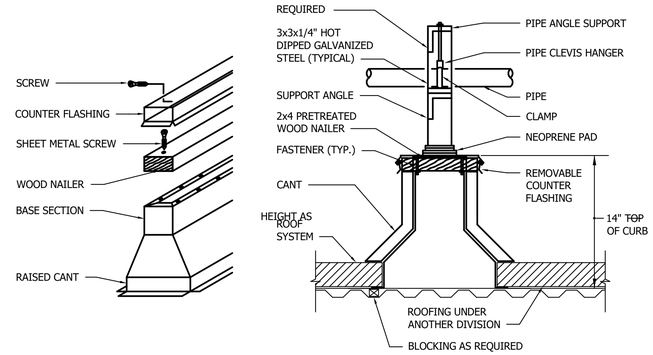
DETAIL - TYPICAL PIPE SLEEVE THRU EXTERIOR WALL

SCALE: NONE



DETAIL - TYPICAL PIPE CLEVIS HANGER

SCALE: NONE

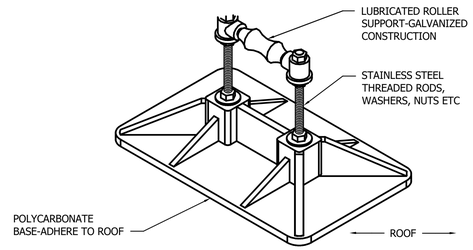


NOTES:

1. CURB SHALL BE PREFABRICATED. MANUFACTURER SHALL BE THE PATE COMPANY OR AS APPROVED EQUAL.
2. PROVIDE CROSS BRACING AND/OR INTERMEDIATE FRAMING MEMBERS AS REQUIRED.

DETAIL - TYPICAL PIPE SUPPORT ON ROOF

SCALE: NONE



NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ROOF CONSTRUCTION AND TYPE.

DETAIL - TYPICAL CONDENSATE / REFRIGERANT / PIPE SUPPORT ON ROOF

SCALE: NONE

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Towson, MD 21286
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ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE: JULY 14, 2025

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

R.O.W NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29 | PLAN SCALE: 12" = 1'-0" | APPROVED BY: PROPERTY MANAGER

CONTRACT COMPLETION BOX | PROFILE SCALE: | DATE:

DGN BY: IAN | DWN BY: IAN | CHKD BY: SPB

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

ESSEX POLICE PRECINCT - 11

DETAILS

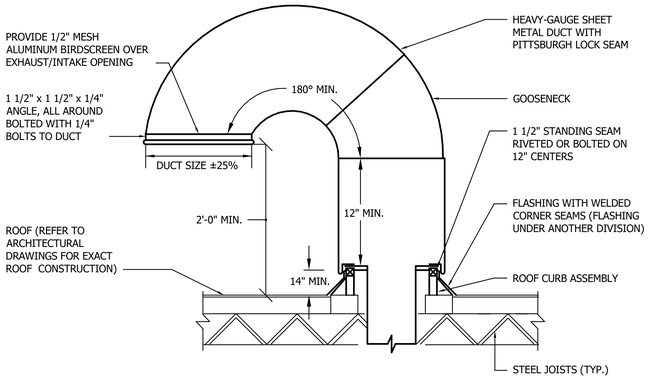
RENOVATION & ADDITION

SUBDIVISION: ESSEX

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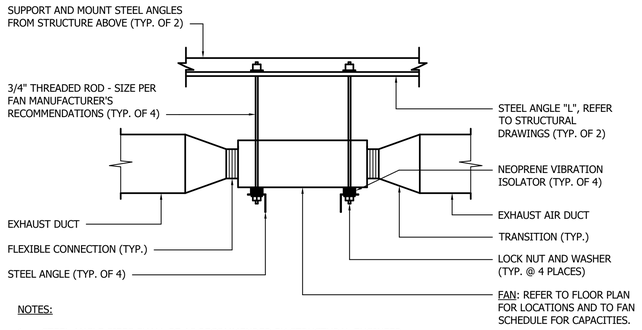
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M703	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 216 OF 295
	DRAWING NUMBER
	2025 - 1107
	FILE NO.: 8



DETAIL - TYPICAL GOOSENECK DUCT OUTSIDE / EXHAUST AIR ARRANGEMENT

SCALE: NONE

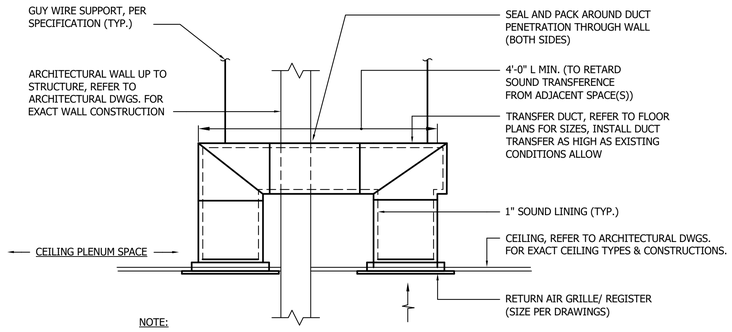


NOTES:

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

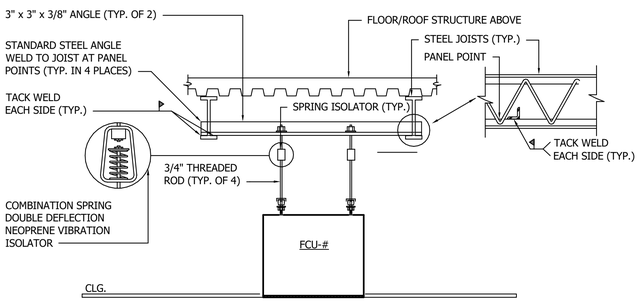


NOTE:

1. PROVIDE TRANSFER DUCT WITH ELBOWS AS INDICATED ON FLOOR PLAN.

DETAIL - TYPICAL TRANSFER DUCT THROUGH WALL

SCALE: NONE

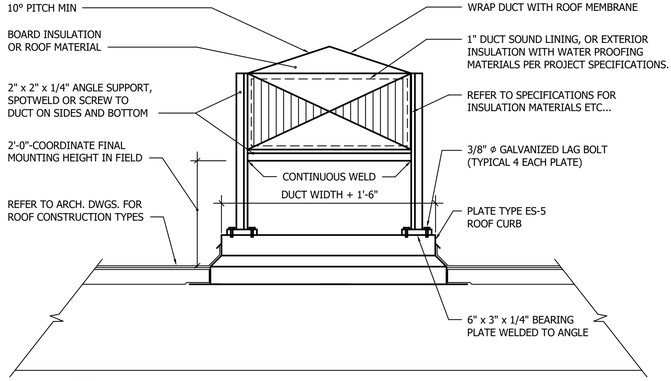


NOTES:

1. REFER TO ARCHITECTURAL & STRUCTURAL DWGS. FOR EXACT FLOOR/CEILING & ROOF JOIST TYPE AND LOCATIONS.
2. HANGERS/KINDORF/SUPPORT RODS USED IN HANGING THE UNIT SHALL NOT INTERFERE WITH ACCESS TO FILTERS OR ANY OTHER ACCESS REQUIREMENTS TO THE UNIT.
3. REFER TO PLUMBING PLANS FOR CONDENSATE DRAIN DISCHARGE.
4. SIZE, ROUTE, AND SUPPORT RS AND RL PIPING PER MANUFACTURERS RECOMMENDATIONS.

DETAIL - TYPICAL D.X. FAN COIL UNIT SUPPORT & MOUNTING ABOVE CEILING

SCALE: NONE

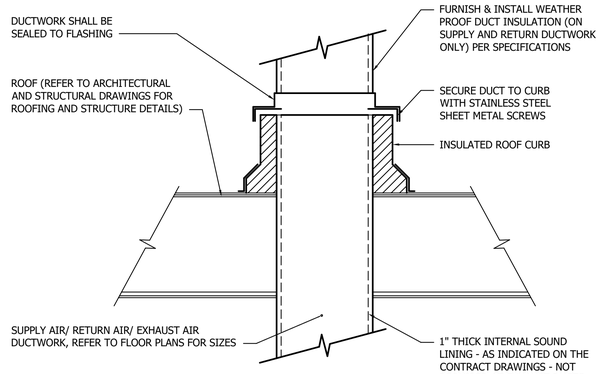


NOTES:

1. ALL STEEL DUCT SUPPORTS SHALL BE HOT DIPPED GALVANIZED WITH 2 COATS OF BITUMASTIC PAINT.
2. PROVIDE SUPPORTS IN ACCORDANCE WITH "SMACNA" DUCT MANUAL FOR MINIMUM 3" STATIC PRESSURE DUCT CONSTRUCTION. SUPPORT SPACING MAXIMUM 10'-0" ON CENTER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ROOF CONSTRUCTION.

DETAIL - TYPICAL ROOF MOUNTED DUCTWORK SUPPORT (1 DUCT)

SCALE: NONE



DETAIL - TYPICAL DUCT ROOF PENETRATION

SCALE: NONE

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SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND — IAN BRADFORD — 31268 — 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. 31268 EXPIRATION DATE 2027-01-18				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 12" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX DGN BY: IAN DRN BY: IAN CHKD BY: SPB							

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

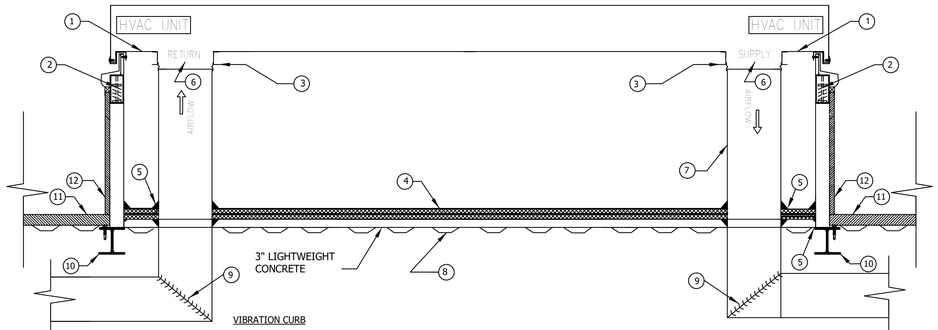
ESSEX POLICE PRECINCT - 11

DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M704	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 217 OF 295
	DRAWING NUMBER
	2025 - 1108
	FILE NO.: 8



ACOUSTICAL CURB SYSTEM SHALL HAVE A 2" DEFLECTION VIBRATION CURB. THE CURB SYSTEM SHALL BE COMPLETELY ISOLATED WITH TOP AND BOTTOM STEEL FRAMES WITH A CONTINUOUS FLEXIBLE WEATHER SEAL COUNTER FLASHING MEMBRANE CONNECTING THE FRAME RAILS. SYSTEM SHALL BE CAPABLE OF SERVING AS A BLOCKING DEVICE DURING INSTALLATION. THE SPRINGS SHALL PROVIDE A A MINIMUM OF 85% ISOLATION EFFICIENCY. THE CURB SHALL HAVE A WOOD NAILER AND SHALL BE DESIGNED SO THE CURB SPRINGS SHALL BE ADJUSTABLE FOR LEVELING.

IN-CURB ACOUSTICAL SYSTEM

THE IN-CURB ACOUSTICAL SYSTEM SHALL CONSIST OF AN INTEGRATED SYSTEM WHICH SHALL MEET CLASS A SPREAD AND SMOKE DEVELOPMENT AS PER ASTM E-84. THE MULTI-LAYER COMPOSITE SYSTEM SHALL REDUCE NOISE INSIDE THE CURB. ACOUSTICAL GRADE CAULK SHALL BE USED AROUND ALL CURB PERMITER EDGES AND AROUND ALL CURB OPENINGS AS DETAILED ABOVE AFTER CONTRACTOR SUPPLIED DECKING IS FLASHED TO WITHIN 1/4" WITHOUT CONTACTING THE DUCT WALL. THE ACOUSTICAL SYSTEM SHALL MEET STC-52 IN ACCORDANCE WITH ASTM E-90-10.

Freq. (Hz)	80	100	125	160	200	250	315	400	500	630	800	1000
TL (dB)	26	27	33	32	35	42	45	45	50	59	59	60

Freq. (Hz)	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	STC
TL (dB)	62	63	64	65	67	71	74	78	80	80	52

BY RTU UNIT MANUFACTURER

1. RTU BASE
2. VIBRATION ROOF CURB
3. INTEGRAL CURB DUCT SUPPORT
4. IN-CURB ACOUSTICAL TREATMENT
5. ACOUSTICAL GRADE CAULK AT ALL DUCT DROPS & CURB PERIMETER 6. RTU OPENING

BY HVAC CONTRACTOR

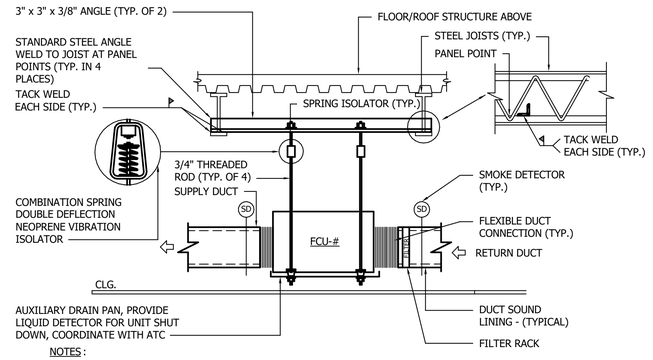
7. DUCTWORK
8. ROOF DECK FLASHED TO WITHIN 1/4" OF ALL DUCT DROPS BUT NOT IN CONTACT WITH DUCT WALL
9. TURNING VANE

BY GENERAL CONTRACTOR

10. BUILDING STEEL
11. BUILT-UP ROOF OR CONCRETE
12. INSULATION AND CANT STRIP

DETAIL - TYPICAL ACOUSTICAL CURB SYSTEM

SCALE: NONE

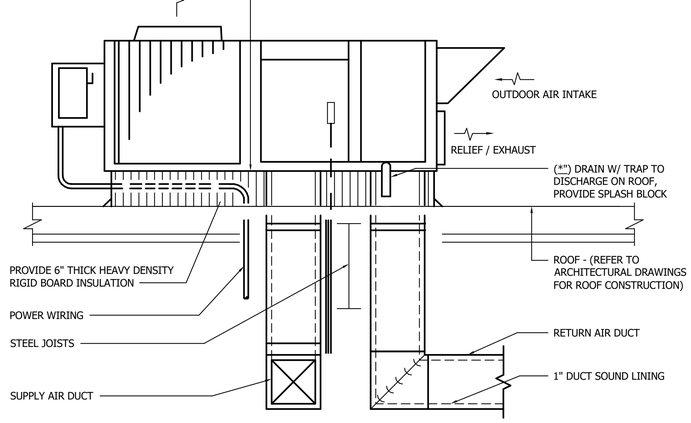


NOTES:

1. REFER TO ARCHITECTURAL & STRUCTURAL DWGS. FOR EXACT FLOOR/CEILING & ROOF JOIST TYPE AND LOCATIONS.
2. HANGERS/SUPPORT RODS USED IN HANGING THE UNIT SHALL NOT INTERFERE WITH ACCESS TO FILTERS OR ANY OTHER ACCESS REQUIREMENTS TO THE UNIT.
3. REFER TO PLUMBING PLANS FOR CONDENSATE DRAIN DISCHARGE.
4. SIZE, ROUTE, AND SUPPORT RS AND RL PIPING PER MANUFACTURERS RECOMMENDATIONS.
5. PROVIDE SMOKE DETECTORS ON DUCTED UNITS THAT PROVIDE 2000 CFM OR MORE PER IMC.
6. REFER TO HVAC PLANS FOR UNITS THAT REQUIRE RETURN FILTER RACKS.

DETAIL - TYPICAL DUCTED D.X. FAN COIL UNIT SUPPORT AND MOUNTING ABOVE CEILING

SCALE: NONE



DETAIL - TYPICAL DOAS UNIT MOUNTING

SCALE: NONE

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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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 717-848-8827 voice 717-843-2448 fax

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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. 31268 EXPIRATION DATE: 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE : JULY 14, 2025

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

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

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M705	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 218 OF 295
	DRAWING NUMBER
	2025 - 1109
	FILE NO.: 8

DEDICATED OUTDOOR AIR UNIT SCHEDULE (w/DX COOLING/HEAT PUMP HEATING/AUXILIARY ELECTRIC HEAT)

UNIT DESIGNATION	UNIT TYPE	SUPPLY FAN							EXHAUST FAN							DX COOLING COIL						HOT GAS REHEAT COIL		HEAT PUMP HEATING			AUXILIARY ELECTRIC HEAT			
		DESIGN CFM	ESP (IN H2O)	TSP (IN H20)	MOTOR HP	MOTOR BHP	MOTOR RPM	VFD (YES/ NO)	DESIGN CFM	ESP (IN H2O)	TSP (IN H20)	MOTOR HP	MOTOR BHP	MOTOR RPM	VFD (YES/ NO)	TOTAL MBH	SENSIBLE MBH	EAT		LAT		NUMBER OF COMPRESSORS	TOTAL MBH	LAT DB (°F)	TOTAL MBH	EAT (DB)	LAT (DB)	CAPACITY (KW)	EAT (DB)	STEPS	V/Ø/HZ
	CAV / VAV								MIN									DB (°F)	WB (°F)	DB (°F)	WB (°F)								NO. / SCR	
DOAS-1	VAV	4020	2.5	3.7	5.0	3.4	1,969	YES	3,820	2.5	3.4	5.0	3.2	1924	YES	227.3	121.8	81	70	51	51	3	83.4	70	127.6	48	76	48	48	SCR	480/3/60
DOAS-2	VAV	6160	2.0	4.1	10.0	6.8	1,681	YES	5,810	2.0	3.0	7.5	5.2	1536	YES	360.9	183.9	81	70	51	50	3	129.7	70	133.1	49	66	119	49	SCR	480/3/60

UNIT DESIGNATION	ENTHALPY WHEEL SUMMER PERFORMANCE								ENTHALPY WHEEL WINTER PERFORMANCE								UNIT TOTAL ELECTRICAL				SOUND CRITERIA		PRE-FILTER	FINAL FILTER	FILTER MAX FACE VELOCITY (FPM)	REQUIRED MIN EFFICIENCY		WEIGHT (LBS)	BASIS OF DESIGN		NOTES
	SUPPLY (°F)				EXHAUST (°F)				SUPPLY (°F)				EXHAUST (°F)								MIN RADIATED DB (OCTAVE BAND)	MAX DISCHARGE/ INLET DB (OCTAVE BAND)				ISMRE	ISCOP		MFGR.	MODEL	
	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)	MCA	MOCP	FLA	V/Ø/HZ			MERV	MERV							
DOAS-1	95	78	81	70	75	63	89	73	0	0	48	40	70	56	23	23	121	125	102	480/3/60	61.4 (1)	84.4 (7)	8	13	231	5.0	4.3	± 4535	TRANE	OADG020C3	1 THRU 14
DOAS-2	95	78	81	70	75	63	89	72	0	0	49	40	70	56	25	25	232	250	225	480/3/60	61.4 (1)	84.4 (7)	8	13	316	5.8	4.3	± 5550	TRANE	OADG030C3	1 THRU 14

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, ACCESSORIES ASSOCIATED WITH ROOF TOP UNIT, AND FOR CONTROL SEQUENCE.
2: FAN TYPE: SWSI AF = SINGLE WIDTH SINGLE INLET AIRFOIL, VA= VANE AXIAL, PL= PLENUM AIRFOIL.
3: SUBSTITUTIONS FOR LOWER FAN MOTOR HP SHALL NOT BE ACCEPTABLE.
4: UNIT SHALL BE PROVIDED WITH 3A ALUMINUM BASED ENERGY WHEEL.
5: FANS SHALL BE NEMA PREMIUM EFFICIENCY.
6: ALL CONTROLS PROVIDED BY BAS CONTRACTOR. NO FACTORY CONTROLS.
7: PROVIDE DOAS UNIT WITH EXTERNAL DISCONNECT.
8: DOAS UNIT WITH MULTIPLE COMPRESSORS SHALL NOT HAVE A COMMON REFRIGERANT CIRCUIT.
9: ALL VFD'S TO BE NEMA 3R AND FACTORY INSTALLED.
10: UNIT SHALL MEET THE MINIMUM ISMRE (INTEGRATED SEASONAL MOISTURE REMOVAL EFFICIENCY) AND ISCOP (INTEGRATED SEASONAL COEFFICIENT OF PERFORMANCE) PER ASHRAE.
11: PROVIDE 24" TALL EQUIPMENT CURB (CURB WEIGHT NOT INCLUDED).
12: PROVIDE IN CURB SOUND TREATMENT. REFER TO DETAIL AND SPECIFICATIONS FOR MORE INFORMATION.
13: PROVIDE MOTOR GROUND RINGS WITH BOTH AC & DC LINE REACTORS.
14: BALANCE DOAS UNIT TO CFM'S INDICATE IN THE BALANCING SCHEDULE.

ROOF TOP UNIT SCHEDULE

UNIT DESIGNATION	UNIT TYPE	SUPPLY FAN							DX COOLING COIL						UNIT TOTAL ELECTRICAL				PRE-FILTER	FINAL FILTER	REQUIRED MIN EFFICIENCY	WEIGHT (LBS.)	BASIS OF DESIGN		NOTES
		DESIGN CFM	ESP (IN H2O)	TSP (IN H20)	MOTOR HP	MOTOR BHP	MOTOR RPM	VFD (YES/ NO)	TOTAL MBH	SENSIBLE MBH	EAT		LAT		NUMBER OF COMPRESSORS	MCA	MOCP	V/Ø/HZ					MFGR.	MODEL	
	CAV / VAV										DB (°F)	WB (° F)	DB (°F)	WB (° F)					MERV	MERV	EER/MRE/Et%				
RTU-1	CAV	960	0.5	0.6	0.75	0.3	825	NO	36	24	80	67	56	54	1	12	15	480/3/60	8	-	12.7	767	TRANE	YHC036	1 THRU 9

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, ACCESSORIES ASSOCIATED WITH ROOF TOP UNIT, AND FOR CONTROL SEQUENCE.
2: FAN TYPE: SWSI AF = SINGLE WIDTH SINGLE INLET AIRFOIL, VA= VANE AXIAL, PL= PLENUM AIRFOIL.
3: SUBSTITUTIONS FOR LOWER FAN MOTOR HP SHALL NOT BE ACCEPTABLE.
4: PROVIDE 24" TALL EQUIPMENT CURB.
5: FANS SHALL BE NEMA PREMIUM EFFICIENCY.
6: ALL CONTROLS PROVIDED BY BAS CONTRACTOR. NO FACTORY CONTROLS.
7: PROVIDE ROOFTOP UNIT WITH EXTERNAL DISCONNECT.
8: PROVIDE GFCI OUTLET
9: BAS CONTRACTOR TO PROVIDE CONNECTIONS OF PHASE-LOSS CONTROL RELAY PROVIDED BY ELECTRICAL CONTRACTOR.

SOUND ATTENUATOR SCHEDULE

ATTENUATOR DESIGNATION	UNIT SERVICED	ATTENUATOR TYPE	DUCT SIZE (W" x H" x L")	CFM	MAX APD (IN H20)	DYNAMIC INSERTION LOSS DB (OCTAVE BAND)								GENERATED NOISE DB (OCTAVE BAND)								BASIS OF DESIGN		NOTES
						1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	MFGR.	MODEL	
SA-1	OA/DOAS-1	RECTANGULAR	22"x18"x36"	2930	< 0.25	2	3	7	13	11	9	6	4	27	20	15	15	22	17	13	10	PRICE	RH36/5A	1,2
SA-2	OA/DOAS-1		16"x14"x22"	1100		2	3	8	14	17	14	9	7	25	20	15	15	13	10	10	10		RH36/2A	1,2
SA-3	EA/DOAS-1		30"x18"x36"	3830		3	4	7	16	13	10	7	6	29	20	15	27	32	28	25	15		RH36/5A	1,2
SA-4	OA/DOAS-2		32"x22"x36"	6160		3	4	7	12	9	7	6	5	34	20	15	15	28	24	21	18		RH36/UA	1,2
SA-5	EA/DOAS-2		40"x18"x36"	6000		3	5	6	11	9	7	5	4	36	20	15	16	29	33	31	27		RH36/XA	1,2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH SOUND ATTENUATOR.
2: PROVIDE INTERNAL LINING PER SPECIFICATIONS.

LOUVERED PENTHOUSE SCHEDULE

PENTHOUSE DESIGNATION	AREA SERVED	CFM	DIMENSIONS			THROAT (IN x IN)	THROAT VELOCITY (FPM)	PD (IN H20)	WEIGHT (LBS)	BASIS OF DESIGN		NOTES
			LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)					MFGR.	MODEL	
LP-1	SALLYPORT	1320	52	36	28	38 x 22	227	0.01	± 86	GREENHECK	WIH	1,2

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH FAN.
2: PROVIDE 24" HIGH FULL PERIMETER INSULATED ROOF CURB, BIRD SCREEN, AND BAROMETRIC RELIEF DAMPER.

FAN SCHEDULE

FAN DESIGNATION	AREA SERVED	CFM	E.S.P. (IN WC)	DRIVE	FAN TYPE	HP (WATTS)	BHP	MOTOR RPM	SOUND LEVEL (SONES)	TOTAL UNIT ELECTRICAL				BASIS OF DESIGN		WEIGHT (lb)	ACCESSORIES	NOTES
										MCA	MOP	FLA	(V/Ø/HZ)	MFGR.	MODEL			
EF-1	SALLYPORT	90	0.5	ECM	DWN	0.25	0.03	1105	4.4	4.8	15	3.8	120/1/60		G-097-VG	± 40	A,B,C,E	1
EF-2	SALLYPORT	1230	1.0	ECM	DWN	1.00	0.42	1320	9.9	2.2	15	1.8	480/3/60	GREENHECK	G-140-VG	± 85	A,B,C,E	1
EF-3	GUN CLEANING	150	0.5	ECM	DWN	0.25	0.03	1105	4.4	4.8	15	3.8	120/1/60		G-097-VG	± 40	A,B,C,D,E	1
SF-1	BIKE STORAGE	150	0.5	ECM	IL	0.25	0.10	1480	11.2	4.8	15	3.8	120/1/60	GREENHECK	SQ-97-VG	± 50	A,B,F	1

DRIVE TYPES:
ECM = ELECTRICONICALLY COMMUNICATED MOTOR

FAN TYPES:
I.L. = IN LINE
D.W.N. = DOWNBLAST

ACCESSORIES:
A: ALUMINUM CONSTRUCTION
B: BACKDRAFT DAMPER
C: PREFAB ROOF CURB
D: WALL MOUNTED SWITCH (TIMER 0-4 HOUT)
E: EXHAUST GRILLE
F: HANGING BRACKET WITH VIBRATION ISOLATOR

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH FAN.

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT DESIGNATION	UNIT LOCATION	UNIT TYPE	INDOOR UNIT: SUPPLY FAN DESIGN CFM	HEAT PUMP COOLING TOTAL MBH	HEAT PUMP COOLING SENSIBLE MBH	HEAT PUMP HEATING MBH	TOTAL INDOOR UNIT ELECTRICAL V/Ø/HZ	BASIS OF DESIGN MFGR.	BASIS OF DESIGN MODEL	OUTDOOR UNIT: UNIT DESIGNATION	UNIT LOCATION	UNIT SEER	DESIGN AMB. TEMP (°F) [SUMMER / WINTER]	TOTAL OUTDOOR UNIT ELECTRICAL MCA	TOTAL OUTDOOR UNIT ELECTRICAL MOCP	TOTAL OUTDOOR UNIT ELECTRICAL V/Ø/HZ	WEIGHT (LBS)	BASIS OF DESIGN MFGR.	BASIS OF DESIGN MODEL	NOTES
FCU-S-1	IT [108]	WALL	775	24.0	18.5	-	208/1/60	MITSUBISHI	TPKA0A0241KA80A	ACCU-S-1	ROOF	21.3	95 / 0	19	26	208/1/60	± 175	MITSUBISHI	TRUYA0241KA70NA	1 THRU 7
FCU-S-2	MAIN ELEC [112A]	WALL	920	36.0	25.2	-			TPKA0A0361KA80A	ACCU-S-2	ROOF	19.4		25	31		± 245		TRUYA0361KA70NA	1 THRU 7
FCU-S-3	EM ELEC [112B]	WALL	775	24.0	18.5	-			TPKA0A0241KA80A	ACCU-S-3	ROOF	21.3		19	26		± 175		TRUYA0241KA70NA	1 THRU 7
FCU-S-4	STOLEN PRTY [188]	WALL	775	24.0	18.5	15.7			TPKA0A0241KA80A	ACCU-S-4	ROOF	21.3		19	26		± 175		TRUZA0241HA70NA	1 THRU 7

NOTES
1: PROVIDE CONDENSATE DISCHARGE PUMP AS INDICATED ON THE CONTRACT DOCUMENTS.
2: PROVIDE AUXILIARY DRAIN PAN WITH LIQUID DETECTOR FOR UNIT SHUT DOWN FOR HORIZONTAL ABOVE CEILING MOUNTED UNITS.
3: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH UNIT.
4: REFRIGERANT PIPING SHALL BE SIZED, ROUTED, AND SUPPORTED PER MANUFACTURER'S RECOMMENDATIONS.
5: PROVIDE UNIT WITH WALL MOUNTED THERMOSTAT/CONTROLLER.
6: UNIT SHALL BE CAPABLE OF LOW AMBIENT OPERATION.
7: UNIT SHALL BE MOUNTED WITH ALARM BY BUILDING MANAGEMENT SYSTEMS.

INFRARED HEATER SCHEDULE

UNIT HEATER DESIGNATION	AREA SERVED	MOUNTING STYLE	ELECTRIC HEATING ELEMENT: HEATING OUTPUT (BTU/LF)	LENGTH (FT)	TOTAL kW	HEATER KW	V/Ø/HZ	THERMOSTAT TYPE	BASIS OF DESIGN MFGR.	BASIS OF DESIGN MODEL	NOTES
IRH-1	SALLY PORT	CEILING	4142.5	4	5.8	4.8	480/3/60	INTEGRAL	INVISATHERM	STS-U48-4838U	1 THRU 6
IRH-2										STS-U48-4838U	1 THRU 6
IRH-3										STS-U48-4838U	1 THRU 6
IRH-4										STS-U48-4838U	1 THRU 6
IRH-5										STS-U48-4838U	1 THRU 6
IRH-6										STS-U48-4838U	1 THRU 6
IRH-7										STS-U48-4838U	1 THRU 6
IRH-8										STS-U48-4838U	1 THRU 6

NOTES:
1: REFER TO SEPCIFICATIONS 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 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.

ELECTRIC UNIT HEATER SCHEDULE

UNIT HEATER DESIGNATION	AREA SERVED	MOUNTING STYLE	DISCHARGE TYPE: VERTICAL/ HORIZONTAL	CAPACITY (MBH)	ELECTRICAL CHARACTERISTICS: HEATER KW	ELECTRICAL CHARACTERISTICS: V/Ø/HZ	THERMOSTAT TYPE	BASIS OF DESIGN MFGR.	BASIS OF DESIGN MODEL	NOTES
EUH-1	STORAGE [190]	CEILING	HORIZONTAL	11.2	3.3	277/1/60	REMOTE	TRANE	UHEC031C0C0	1 THRU 7
EUH-2	STORAGE [189]	CEILING								1 THRU 7
EUH-3	PD BIKES [187]	CEILING	HORIZONTAL	17.1	5.0	277/1/60	REMOTE	TRANE	UHEC051C0C0	1 THRU 7
EUH-4	MECHANICAL [113]	CEILING								1 THRU 7
ECH-1	VESTIBULE [C09]	CEILING	VERTICAL	17.1	5.0	277/1/60	REMOTE	TRANE	UHCA051C8A	1 THRU 7
ECH-2	VESTIBULE [C01]	CEILING								1 THRU 7
ECH-3	VESTIBULE [C02]	CEILING								1 THRU 7
ECH-4	RESTROOM [148]	CEILING	VERTICAL	6.8	2.0	277/1/60	REMOTE	TRANE	UHCA021C8A	1 THRU 7
ECH-5	RESTROOM [147]	CEILING								1 THRU 7
ECH-6	RESTROOM [146]	CEILING								1 THRU 7
EWH-1	CORRIDOR	WALL	HORIZONTAL	6.8	2.0	277/1/60	REMOTE	TRANE	UHWA021C2AT	1 THRU 7

NOTES:
1: REFER TO SEPCIFICATIONS 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.
7: PROVIDE CONNECTION TO BAS.

THERMOSTAT TYPE:
I = INTEGRAL
R = REMOTE

AIR DEVICE SCHEDULE

TYPE	DUTY	CFM RANGE: MIN	CFM RANGE: MAX	INLET NECK SIZE	FACE SIZE	MAX N.C.	MAX NECK VELOCITY	BASIS OF DESIGN MFGR.	BASIS OF DESIGN MODEL	NOTES
A	SUPPLY	0	150	8" x 8"	9 3/4" x 9 3/4"	15	400	PRICE	520-45°	1,2,4,6
		151	365	12" x 10"	13 3/4" x 11 3/4"	15	550			1,2,4,6
		366	835	36" x 12"	37 3/4" x 13 3/4"	15	300			1,2,4,6
B	SUPPLY	0	100	6" ø	24" x 24"	15	700	PRICE	SCD	1,2,4,6
		101	250	8" ø	24" x 24"	19	700			1,2,4,6
		251	400	10" ø	24" x 24"	20	700			1,2,4,6
		401	550	12" ø	24" x 24"	20	700			1,2,4,6
C	RETURN/ EXHAUST/ TRANSFER	0	200	8" x 8"	9 3/4" x 9 3/4"	21	500	PRICE	530	1,2,3,5,7
		201	350	12" x 12"	13 3/4" x 13 3/4"	20	500			1,2,3,5,7
		351	640	16" x 16"	17 3/4" x 17 3/4"	19	400			1,2,3,5,7
		641	800	30" x 10"	30" x 10"	20	400			1,2,3,5,7
D	FILTERED RETURN	0	400	12" x 12"	13 3/4" x 13 3/4"	16	600	PRICE	530-FF	1,2,3,7
		401	1400	22" x 22"	23 3/4" x 23 3/4"	27	600			1,2,3,7
E	DETENTION SUPPLY/ RETURN/ EXHAUST	0	100	6"x6"	8" x 8"	11	400	TITUS	SG-SD	1,6,8
		101	250	10"x10"	12"x12"	11	350			1,6,8
		251	400	12"x12"	14" x 14"	18	350			1,6,8
		401	900	18"x18"	20" x 20"	19	350			1,6,8
		901	1400	24"x24"	26" x 26"	20	350			1,6,8

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 RETURN, EXHAUST, TRANSFER, AND RELIEF GRILLES SHALL BE CENTERED IN THE CEILING TILE CLOSET 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 AIR DEVICES SHALL NOT EXCEED 0.08 INCHES OF H20 EXCEPT FOR SUPPLY AIR DIFFUSERS IN PROXIMITY TO KITCHEN HOODS, IN THOSE CASES 0.03-0.05 INCHES OF H20 IS THE RECOMMENDED MAXIMUM ALLOWABLE STATIC PRESSURE TO CONTROL AIR VELOCITIES IN HOOD PROXIMITIES.
7: MAXIMUM STATIC PRESSURE FOR RELIEF/TRANSFER AIR DEVICES SHALL BE 0.05 INCHES OF H20.
8: ALTERNATIVE PRICE MODEL MSPG - MAXIMUM SECURITY PERFORATED FACE GRILLE.

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice
226 West Market Street, York, Pennsylvania 17401 717-840-8827 voice 717-840-2446 fax

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DWG. FILENAME

SEAL
DATE: JULY 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. 31268 EXPIRATION DATE: 2027-01-18
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: IAN
DWN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE
P.W.A. NO. | KEY SHEET: ISW | R.O.W NO. | CONTRACT COMPLETION BOX

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
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
ESSEX POLICE PRECINCT - 11
SCHEDULES
RENOVATION & ADDITION
SUBDIVISION: ESSEX
216 & 222 North Marlyn Ave, Essex, MD 21221
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
M801	25022 PP0
	JOB ORDER NUMBER: PROJ-10000636
	SHEET 219 OF 295
	DRAWING NUMBER: 2025 - 1110
	FILE NO.: 8

VRF SYSTEM SCHEDULE

INDOOR UNIT																			OUTDOOR UNIT												NOTES
UNIT DESIGNATION	UNIT LOCATION	UNIT ARRANGEMENT	SUPPLY FAN		COOLING				HEAT PUMP HEATING (0°F)	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		MBH	MCA	MOP (A)	(V/Ø/HZ)	MFGR.	MODEL	DESIGNATION	ELECTRICAL		MODEL #		NOMINAL (MBH)	ACTUAL (MBH)	NOMINAL (MBH)	ACTUAL (MBH)		QUANTITY OF POWER CONNECTIONS	MCA	MOCP	V/Ø/HZ		MFGR.	MODEL	
							DB (°F)	WB (°F)								FLA	(V/Ø/HZ)														
FCU-1-1	COURT LIASON	Ducted	495	0.6	14.0	11.3	63	75	17.0	2.88	15	208/1/60		TPEFYP015MA144A																	1 THRU 11
FCU-1-2	CAT	Ducted	885	0.6	16.9	16.8	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-1-3	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-1-4	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-1-5	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A	BS-1-1	1.2	208/1/60	TCMBM1012JA21N4	ACCU-1	120.0	110.8	135.0	75.2	10.4	1	26.0	40.0	480/3/60	± 660	MITSUBISHI	TURYE1204AN41AN	1 THRU 11
FCU-1-6	OFFICE	Ducted	300	0.6	7.5	6.4	63	75	9.0	1.75	15	208/1/60		TPEFYP008MA144A																	1 THRU 11
FCU-1-7	INTERVIEW	Ducted	370	0.6	11.2	8.3	63	75	13.5	2.13	15	208/1/60		TPEFYP012MA144A																	1 THRU 11
FCU-1-8	SRO	Ducted	495	0.6	14.0	11.3	63	75	17.0	2.88	15	208/1/60		TPEFYP015MA144A																	1 THRU 11
FCU-1-9	FRONT DESK	Ducted	885	0.6	16.9	16.8	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-2-1	INTERVIEW/BAIL	Ducted	1305	0.6	44.8	33.5	63	75	54.0	4.38	15	208/1/60		TPEFYP048MA144A																	1 THRU 11
FCU-2-2	NON-CONTACT	Ducted	885	0.6	22.4	19.1	63	75	26.9	2.88	15	208/1/60		TPEFYP048MA144A																	1 THRU 11
FCU-2-3	M BULLPEN	Ducted	885	0.6	25.2	20.3	63	75	30.0	2.88	15	208/1/60		TPEFYP027MA144A	BS-2-1	0.8	208/1/60	TCMBM0108JA21N4	ACCU-2	144.0	138.0	160.0	89.6	10.0	1	34.0	50.0	480/3/60	± 715	MITSUBISHI	TURYE1444AN41AN	1 THRU 11
FCU-2-4	PROCESSING	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-2-5	INTOX	Ducted	1270	0.6	28.0	25.7	63	75	33.9	4.25	15	208/1/60		TPEFYP048MA145A																	1 THRU 11
FCU-3-1	INTERVIEW/BAIL	Ducted	1305	0.6	44.9	33.6	63	75	54.0	4.38	15	208/1/60		TPEFYP048MA144A																	1 THRU 11
FCU-3-2	F HALL	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A	BS-3-1	0.6	208/1/60	TCMBG0106SJ21N4	ACCU-3	96.0	89.6	108.0	62.2	11.7	1	20.0	30.0	480/3/60	± 650	MITSUBISHI	TURYE096AN41AN	1 THRU 11
FCU-3-3	F ACCESS	Ceiling	810	-	22.4	16.9	63	75	27.0	0.54	15	208/1/60		TPLFYP024EM140B																	1 THRU 11
FCU-3-4	CONTROL ROOM	Ducted	885	0.6	16.9	16.8	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-4-1	GEAR STORAGE	Ceiling	810	-	16.8	14.4	63	75	20.0	0.54	15	208/1/60		TPLFYP018EM141B	BS-4-1	1.2	208/1/60	TCMBM1012JA21N4													1 THRU 11
FCU-4-2	DUTY BAG STORAGE	Ceiling	315	-	7.5	6.2	63	75	9.0	0.28	15	208/1/60		TPLFYP008FM140B																	1 THRU 11
FCU-4-3A	FITNESS ROOM	Wall-mounted	435	-	16.8	12.1	63	75	20	0.24	15	208/1/60		TPKFYP018LM140B																	1 THRU 11
FCU-4-3B	FITNESS ROOM	Wall-mounted	435	-	16.8	12.1	63	75	20	0.24	15	208/1/60		TPKFYP018LM140B																	1 THRU 11
FCU-4-4A	FITNESS ROOM	Wall-mounted	435	-	16.8	12.1	63	75	20	0.24	15	208/1/60		TPKFYP018LM140B																	1 THRU 11
FCU-4-4B	FITNESS ROOM	Wall-mounted	435	-	16.8	12.1	63	75	20	0.24	15	208/1/60		TPKFYP018LM140B	BS-4-2	0.8	208/1/60	TCMBS0108KB21N4													1 THRU 11
FCU-4-5	WOMENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140A																	1 THRU 11
FCU-4-6	WOMENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140A																	1 THRU 11
FCU-4-7	WOMENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140A																	1 THRU 11
FCU-4-8	WOMENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140A																	1 THRU 11
FCU-4-9	WOMENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140A																	1 THRU 11
FCU-4-10	GN LOCKER	Ceiling	460	-	16.8	11.9	63	75	20.0	0.50	15	208/1/60		TPLFYP018FM140B																	1 THRU 11
FCU-4-11	MENS LOCKER	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140B																	1 THRU 11
FCU-4-12	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-13	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-14	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-15	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A	BS-4-1	1.2	208/1/60	TCMBM1012JA21N4													1 THRU 11
FCU-4-16	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-17	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60	MITSUBISHI	TPLFYP015FM140A																	1 THRU 11
FCU-4-18	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-19	MENS LOCKER	Ceiling	390	-	14.0	9.9	63	75	17.0	0.35	15	208/1/60		TPLFYP015FM140A																	1 THRU 11
FCU-4-20	CORRIDOR	Ceiling	280	-	4.7	4.3	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-4-21	CORRIDOR	Ceiling	280	-	4.7	4.3	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-4-22	CORRIDOR	Ceiling	280	-	4.7	4.3	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-4-23	CORRIDOR	Ceiling	280	-	4.7	4.3	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A	BS-4-2	0.8	208/1/60	TCMBS0108KB21N4													1 THRU 11
FCU-4-24	CORRIDOR	Ceiling	280	-	4.7	4.3	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140A																	1 THRU 11
FCU-4-25	STAIR CORRIDOR	Wall-mounted	295	-	11.2	8.1	63	75	13.5	0.24	15	208/1/60		TPKFYP012LM140B	BS-4-1	1.2	208/1/60	TCMBM1012JA21N4													1 THRU 11
FCU-5-1	OFFICE	Ducted	885	0.6	16.8	16.7	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-5-2	DETECTIVES	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-5-3	SHIFT LEADERS	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-5-4	SHIFT LEADERS	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-5-5	SHIFT LEADERS	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-5-6	BPI & TRAFFIC	Ducted	1305	0.6	44.8	33.5	63	75	54.0	4.38	15	208/1/60		TPEFYP048MA144A	BS-5-1	1.2	208/1/60	TCMBM1012JA21N4													1 THRU 11
FCU-5-7	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-8	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-9	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-10	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B					ACCU-5	168.0	159.0	188.0	103.0	10.0	1	35.0	50.0	480/3/60	± 810	MITSUBISHI	TURYE1684AN41AN	1 THRU 11
FCU-5-11	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-12	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-13	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B	BS-5-2	0.8	208/1/60	TCMBS0108KB21N4													1 THRU 11
FCU-5-14	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-15	CORRIDOR	Ceiling	280	-	4.7	4.4	63	75	5.6	0.24	15	208/1/60		TPLFYP005FM140B																	1 THRU 11
FCU-5-16	BREAKROOM	Ceiling	600	-	7.5	6.4	63	75	9.0	0.39	15	208/1/60		TPLFYP008EM142A																	1 THRU 11
FCU-6-1	ARMORY	Ducted	1270	0.6	33.7	28.3	63	75	40.0	4.25	15	208/1/60		TPEFYP036MA144A																	1 THRU 11
FCU-6-2	EVIDENCE	Ducted	885	0.6	16.9	16.8	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-6-3	CONFERENCE	Ceiling	335	-	11.2	8.1	63	75	13.5	0.29	15	208/1/60		TPLFYP012FM140B	BS-6-1	0.6	208/1/60	TCMBG0106SJ21N4	ACCU-6	96.0	88.3	108.0	61.5	11.7	1	20.0	30.0	480/3/60	± 650	MITSUBISHI	TURYE0964AN41AN	1 THRU 11
FCU-6-4	REPORT	Ceiling	600	-	7.5	6.4	63	75	9.0	0.39	15	208/1/60		TPLFYP008EM142A																	1 THRU 11
FCU-6-5	ROLL CALL	Ceiling	810	-	16.9	16.8	63	75	20.0	2.88	15	208/1/60		TPLFYP018EM142A																	1 THRU 11
FCU-7-1	CAPTAINS OFFICE	Ducted	495	0.6	14.0	11.3	63	75	17.0	2.88	15	208/1/60		TPEFYP015MA144A																	1 THRU 11
FCU-7-2	CONFERENCE	Ducted	885	0.6	22.4	19.1	63	75	27.0	2.88	15	208/1/60		TPEFYP024MA144A																	1 THRU 11
FCU-7-3	OFFICE	Ducted	885	0.6	16.8	16.7	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-7-4	RECEPTION	Ducted	370	0.6	11.2	8.3	63	75	13.5	2.13	15	208/1/60		TPEFYP012MA144A	BS-7-1	1.2	208/1/60	TCMBM1012JA21N4	ACCU-7	144.0	137.5	160.0	88.2	10.0	1	34.0	50.0	480/3/60	± 715	MITSUBISHI	TURYE1444AN41AN	1 THRU 11
FCU-7-5	OUTREACH	Ducted	885	0.6	16.8	16.7	63	75	20.0	2.88	15	208/1/60		TPEFYP018MA145A																	1 THRU 11
FCU-7-6	COMMUNITY	Ducted	1270	0.6	28.0	25.7	63	75	34.0	4.25	15	208/1/60		TPEFYP030MA145A																	1 THRU 11
FCU-7-7	LOBBY	Ducted	2540	1	67.3	56.5	63	75	80.0	10.3	15	208/1/60		TPEFYP072MH140A																	1 THRU 11

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 CONDENSATE PUMP.
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. REFER TO DETAIL FOR MORE INFORMATION.

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4974 fax
228 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
M802	25022 PP0

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. 31268, EXPIRATION DATE: 2027-01-18

DATE: JULY 14, 2025

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN | DRN BY: IAN | CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

SCHEDULES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER	SHEET	DRAWING NUMBER	FILE NO.:	REV.
PROJ-10000636	220 of 295	2025 - 1111	8	

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, CONDENSATE PIPING 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.

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
	RX.	REMOVE EXISTING
	EX.	EXISTING
	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)
V	V	VENT PIPE
SW	SW	STORM WATER (ABOVE FLOOR)
FD	FD	FOUNDATION DRAIN
,	CO	CLEAN OUT: LINE, FLUSH
CD	CD	CONDENSATE DRAIN (ABOVE FLOOR)
		CONNECT TO EXISTING AT THIS POINT
		REMOVE EXISTING TO THIS POINT
ø	DIA.	DIAMETER
#	NO.	NUMBER
SW 1		STORMWATER RISER DESIGNATION STORMWATER RISER NUMBER
CD 1		CONDENSATE RISER DESIGNATION CONDENSATE RISER NUMBER
OFD 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 MECHANICAL, PLUMBING AND LIFE-SAFETY SYSTEMS. THIS INCLUDES FIRE PROTECTION SYSTEMS.

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
	VTR	VENT THRU ROOF
		BALL VALVE
		GATE VALVE
		GLOBE VALVE
		MULTI-PURPOSE VALVE
		CHECK VALVE - SPRING
		CHECK VALVE
		CHECK VALVE W/ AUTO BALL DRIP
		PIPE REDUCER - CONCENTRIC
A	SA	SHOCK ABSORBER
TS		FIRE SERVICE VALVE WITH TAMPER SWITCH
	DP	DRIP LEG
	CP	IN-LINE CIRCULATING PUMP
	F.DR.	FLOOR DRAIN
	FS	FLOOR SINK
	R.DR.	ROOF DRAIN
	FDC	FIRE DEPARTMENT SIAMESE CONNECTION
		BUTTERFLY VALVE
	ACV	THREE-WAY CONTROL VALVE (ATC)
	ACV	TWO-WAY CONTROL VALVE (ATC)
	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
		PRESSURE GAUGE W/ NEEDLE VALVE & SYPHON
		THERMOMETER
	BFP	BACKFLOW PREVENTOR W/ FUNNEL (REDUCED PRESSURE PRINCIPAL TYPE)
	WH	WALL HYDRANT
	HB	HOSE BIBB
DP SENSOR		DIFFERENTIAL PRESSURE SENSOR
DP SWITCH		DIFFERENTIAL PRESSURE SWITCH

JET & SCOPE GRAVITY DRAINAGE PIPING

1. VIDEO SCOPE AND JET COMPLETE SANTARY, STORMWATER, AND CONDENSATE DRAINAGE SYSTEMS.
   a. VIDEO SCOPE THE COMPLETED PLUMBING DRAIN PIPE NETWORK, FROM THE TOP FLOOR TO THE PROPERTY LINE, BEFORE SETTING FIXTURES AND TURNING THE BUILDING OVER TO THE OWNER.
   b. BEFORE AND AFTER CONCRETE IS POURED, VIDEO SCOPE UNDERGROUND PIPING TO ASSURE NO CRACKED OR BROKEN PIPES UNDER COMPLETE SLAB.
   c. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
   d. CONFIRM NO BLOCKAGES EXIST. CONTRACTOR SHALL JET AND CLEAR ANY BLOCKAGES PRIOR TO TURNING THE BUILDING OVER TO THE OWNER.
   e. PROVIDE VIDEO TO OWNER THROUGH SUBMITTAL PROCESS.

MECHANICAL/ PLUMBING LEGEND

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A/C	AIR CONDITIONING	HP	HORSE POWER
ACV	AUTOMATIC CONTROL VALVE	IW	INDIRECT WASTE
ALT.	ALTERNATE	INV. ELEV.	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	LF	LINEAR FEET
AFG	ABOVE FINISHED GRADE	LAT	LEAVING AIR TEMPERATURE
APD	AIR PRESSURE DROP	LWT	LEAVING WATER TEMPERATURE
AHU	AIR HANDLING UNIT	MBH	ONE THOUSAND BTU PER HOUR
BAS	BUILDING AUTOMATION SYSTEM	MAX.	MAXIMUM
BFF	BELOW FINISHED FLOOR	MIN.	MINIMUM
BFG	BELOW FINISHED GRADE	NO	NORMALLY OPENED
CU	CONDENSING UNIT	NC	NORMALLY CLOSED
CFH	CUBIC FEET PER HOUR	NIC	NOT IN CONTRACT
CUH	CABINET UNIT HEATER	NTS	NOT TO SCALE
DTL.	DETAIL	OA	OUTSIDE AIR
DFU	DRAINAGE FIXTURE UNIT	PSIG	POUNDS PER SQUARE INCH GAUGE
DB	DRY BULB	RA	RETURN AIR
DWG.	DRAWING	RTU	ROOF TOP AIR HANDLING UNIT
DN.	DOWN	RX.	REMOVE EXISTING
EA	EXHAUST AIR	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SLP	SLOPE
EXH.	EXHAUST	VFD	VARIABLE FREQUENCY DRIVE
EAT	ENTERING AIR TEMPERATURE	W/	WITH
EWT	ENTERING WATER TEMPERATURE	WPD	WATER PRESSURE DROP
EMD	END OF MAIN DRIP	WB	WET BULB
EX.	EXISTING	FFE	FINISHED FLOOR ELEVATION
ET	EXPANSION TANK	FLR.	FLOOR
FCU	FAN COIL UNIT	GPH	GALLONS PER HOUR
		GPM	GALLONS PER MINUTE

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 DRAWING LIST

P001	PLUMBING COVER SHEET
P200	NEW WORK - AREA A - SUB-SLAB
P201	NEW WORK - AREA A - BASEMENT
P202	NEW WORK - AREA A - FIRST FLOOR
P203	NEW WORK - AREA B - SUB SLAB
P204	NEW WORK - AREA B - FIRST FLOOR
P205	NEW WORK - ROOF - PLUMBING
P501	RISERS - DOMESTIC WATER
P502	RISERS - SANITARY & VENT
P503	RISERS - STORMWATER/CONDENSATE
P701	DETAILS
P702	DETAILS
P703	DETAILS
P704	DETAILS
P705	DETAILS
P801	SCHEDULES
P802	SCHEDULES

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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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 717-843-2446 fax

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DWG. FILENAME:

SEAL

DATE: JULY 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. 31268, EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

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: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

PLUMBING COVER SHEET

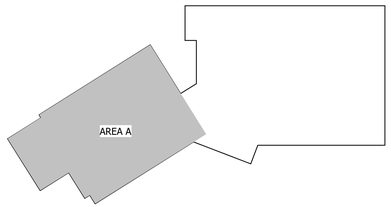
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P001	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 221 OF 295	
DRAWING NUMBER	2025 - 1112
FILE NO.: 8	REV. 00/00



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. CONTRACTOR SHALL TV AND JET ALL SANITARY, STORMWATER, AND CONDENSATE PIPING AFTER LINES ARE INSTALLED AND BEFORE AND AFTER CONCRETE SLAB IS INSTALLED. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
2. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
3. ALL GRAVITY PIPING SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED.
4. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
5. FINISHED FLOOR ELEVATION IS ± 25'-11".
6. EXISTING SUB-SLAB DRAINAGE PIPING SHALL BE DRAINED, CAPPED AT SLAB, AND ABANDONED.

(#) DRAWING NOTES

1 3" SANITARY UP TO SHOWER, P-4.

2 3" SANITARY UP TO FLOOR DRAIN, P-10.

3 2" VENT UP.

4 3" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.

5 PROVIDE SUMP PUMP PIT SERVING DUPLEX SW PUMP, SP-1. REFER TO DETAIL AND SCHEDULE FOR MORE INFORMATION.

6 PROVIDE SUMP PUMP PIT SERVING SW PUMP, SP-2. REFER TO DETAIL AND SCHEDULE FOR MORE INFORMATION.

7 2" SANITARY UP TO LAVATORY, P-3.

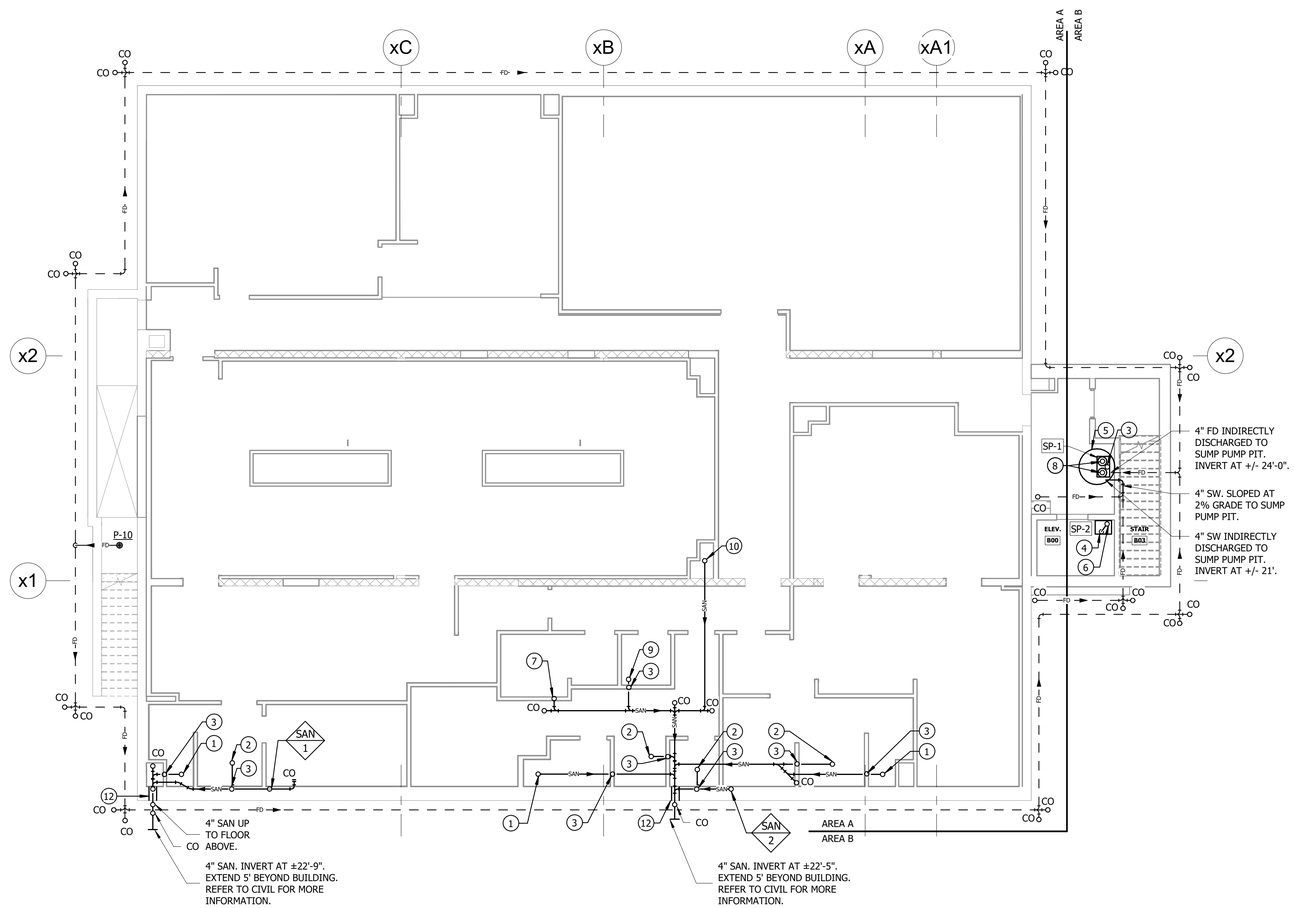
8 4" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.

9 3" SANITARY UP TO MOP SINK, P-9.

10 2" SANITARY UP TO DRINKING FOUNTAIN, P-8.

11 4" SW UP.

12 PROVIDE PIPE SLEEVE THROUGH STRUCTURE. REFER TO DETAIL FOR MORE INFORMATION.



NEW WORK - SUB SLAB - AREA A - PLUMBING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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Towson, MD 21286
410.494.1111
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229 West Market Street, York, Pennsylvania 17401 717-845-8627 voice 717-845-2446 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 ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 31268 EXPIRATION DATE 2027-01-18				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE : JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX							
	DGN BY: IAN DRN BY: IAN CHKD BY: SPB	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

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA A - SUB-SLAB

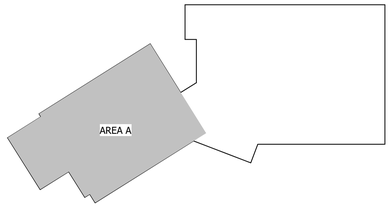
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P200	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 222 OF 295
	DRAWING NUMBER
	2025 - 1113
	FILE NO.: 8 REV. 0/0/00



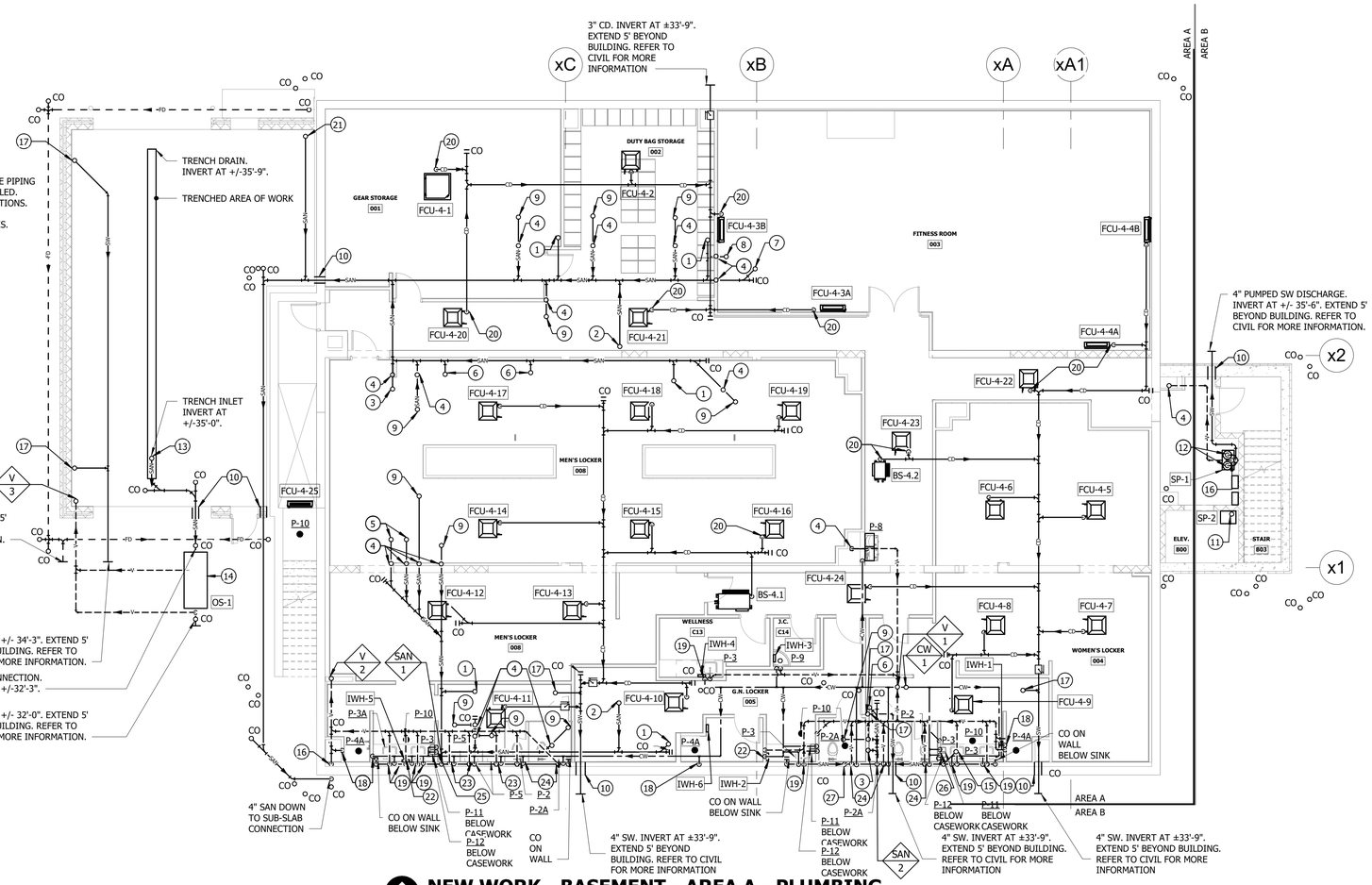
KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. CONTRACTOR SHALL TV AND JET ALL SANITARY, STORMWATER, AND CONDENSATE PIPING AFTER LINES ARE INSTALLED AND BEFORE AND AFTER CONCRETE SLAB IS INSTALLED. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
2. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
3. ALL GRAVITY PIPING SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED.
4. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
5. FINISHED FLOOR ELEVATION IS ± 25'-11".

(#) DRAWING NOTES

1 4" SANITARY UP TO SERVE (2) LAV/TOILET COMBO FIXTURES, P-7/P-7A. x2
2 4" SANITARY UP TO LAV/TOILET COMBO, P-7/P-7A.
3 4" SANITARY UP TO WATER CLOSET, P-1A.
4 2" VENT UP.
5 3" SANITARY UP TO SHOWER, P-4.
6 2" SANITARY UP TO LAVATORY, P-3.
7 3" SANITARY UP TO FLOOR DRAIN, P-10.
8 3" SANITARY UP TO MOP SINK, P-9.
9 3" SANITARY UP TO PENAL FLOOR DRAIN, P-18.
10 PROVIDE PIPE SLEEVE THROUGH STRUCTURE. REFER TO DETAIL FOR MORE INFORMATION.
11 3" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.
12 4" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.
13 4" SAN CONNECTION DOWN FROM TRENCH DRAIN, P-15
14 OIL INTERCEPTOR. PROVIDE STRIEM MODEL OS-100. REFER TO DETAIL FOR MORE INFORMATION.
15 2" SANITARY UP TO KITCHEN SINK, P-6.
16 2" VENT UP AND DOWN
17 4" SW UP.
18 1/2" CW, (2) 2" VENT DOWN TO SHOWER, P-4
19 1/2" CW, 2" VENT DOWN TO LAVATORY P-3.
20 CD UP FROM MECHANICAL EQUIPMENT (TYPICAL). REFER TO RISER DIAGRAM AND SCHEDULE FOR MORE INFORMATION.
21 1-1/2" SAN UP TO EMERGENCY EYEWASH, P-19.
22 3/4" CW DOWN TO IWH. REFER TO DETAILS FOR MORE INFORMATION.
23 1-1/4" CW, 2" VENT DOWN TO URINAL, P-5, P-5A.
24 1-1/4" CW, 2" VENT DOWN TO WATER CLOSET P-2/P-2A.
25 1/2" CW DOWN TO TRAP PRIMER, P-11.
26 1/2" CW DOWN TO TRAP PRIMER, P-11.
27 2" VENT DOWN.



NEW WORK - BASEMENT - AREA A - PLUMBING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
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DATE: JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX DGN BY: IAN DRN BY: IAN CHKD BY: SPB							

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

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA A - BASEMENT

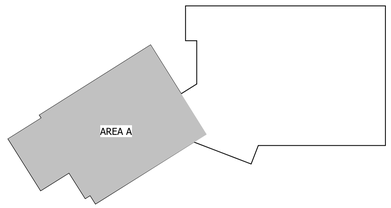
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

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P201	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 223 OF 295
	DRAWING NUMBER
	2025 - 1114
	FILE NO.: 8 REV. 0



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. CONTRACTOR SHALL TV AND JET ALL SANITARY, STORMWATER, AND CONDENSATE PIPING AFTER LINES ARE INSTALLED AND BEFORE AND AFTER CONCRETE SLAB IS INSTALLED. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
2. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
3. ALL GRAVITY PIPING SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED.
4. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
5. FINISHED FLOOR ELEVATION IS ± 25'-11".

DRAWING NOTES

(#)

1 PROVIDE MAIN SHUTOFF VALVE WITHIN MILCOR UFR VALVE BOX SIZE 12" X 12" X 6" FOR CW.

2 1/2" CW, 2" VENT DOWN TO KITCHEN SINK P-6.

3 1/2" CW, 2" VENT DOWN TO LAVATORY P-3.

4 1" CW, 2" VENT DOWN TO FIXTURE P-7.

5 1-1/4" CW, 2" VENT DOWN TO WATER CLOSET P-1/P-1A.

6 3/4" CW, 2 " VENT DOWN TO MOP SINK, P-9.

7 2" VENT DOWN.

8 1/2" CW, (2) 2" VENT DOWN TO SHOWER, P-4

9 PROVIDE TRENCH DRAIN, P-15. PROVIDE QUANTITY NECESSARY TO ACCOMMODATE FULL LENGTH COVERAGE OF SALLYPORT. TRENCH DRAINS SHALL BE SLOPED TO SINGLE DRAINAGE OUTLET SHOWN ON BASEMENT PLANS.

10 4" SW UP TO ROOF DRAIN, P-13.

11 4" OFD UP TO ROOF OVERFLOW DRAIN, P-14.

12 4" OFD DOWN TO DOWNSPOUT BOOT, P-16. MOUNT MINIMUM 18" AFG. PROVIDE CONCRETE SPLASH BLOCK.

13 PROVIDE MINIMUM 18"X18" HINGED ACCESS DOOR FOR INSTANTANEOUS WATER HEATERS, PIPE CONNECTIONS, AND VALVING WITHIN CHASE. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

14 1/2" CW UP TO ROOF HYDRANT, P-20.

15 1/4" INDIRECT SAN DOWN FROM ROOF HYDRANT, P-20. ROUTE TO NEAREST JANITOR SINK, P-9, OR OPEN-SITE DRAIN.

16 REFER TO AREA B FOR CONTINUATION.

17 CD UP FROM MECHANICAL EQUIPMENT (TYPICAL). REFER TO RISER DIAGRAM AND SCHEDULE FOR MORE INFORMATION.

18 3" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.

19 3" PUMPED DISCHARGE DOWN TO DOWNSPOUT BOOT, P-16. MOUNT MINIMUM 18" AFG. PROVIDE CONCRETE SPLASH BLOCK.

20 3/4" CW DOWN TO HOSE BIBB P-12/P-12A.

21 1/2" CW DOWN TO IWH. REFER TO DETAILS FOR MORE INFORMATION.

22 1/2" CW DOWN TO ICE MAKER WALL BOX, P-17.

23 3/4" CW DOWN TO IWH. REFER TO DETAILS FOR MORE INFORMATION.

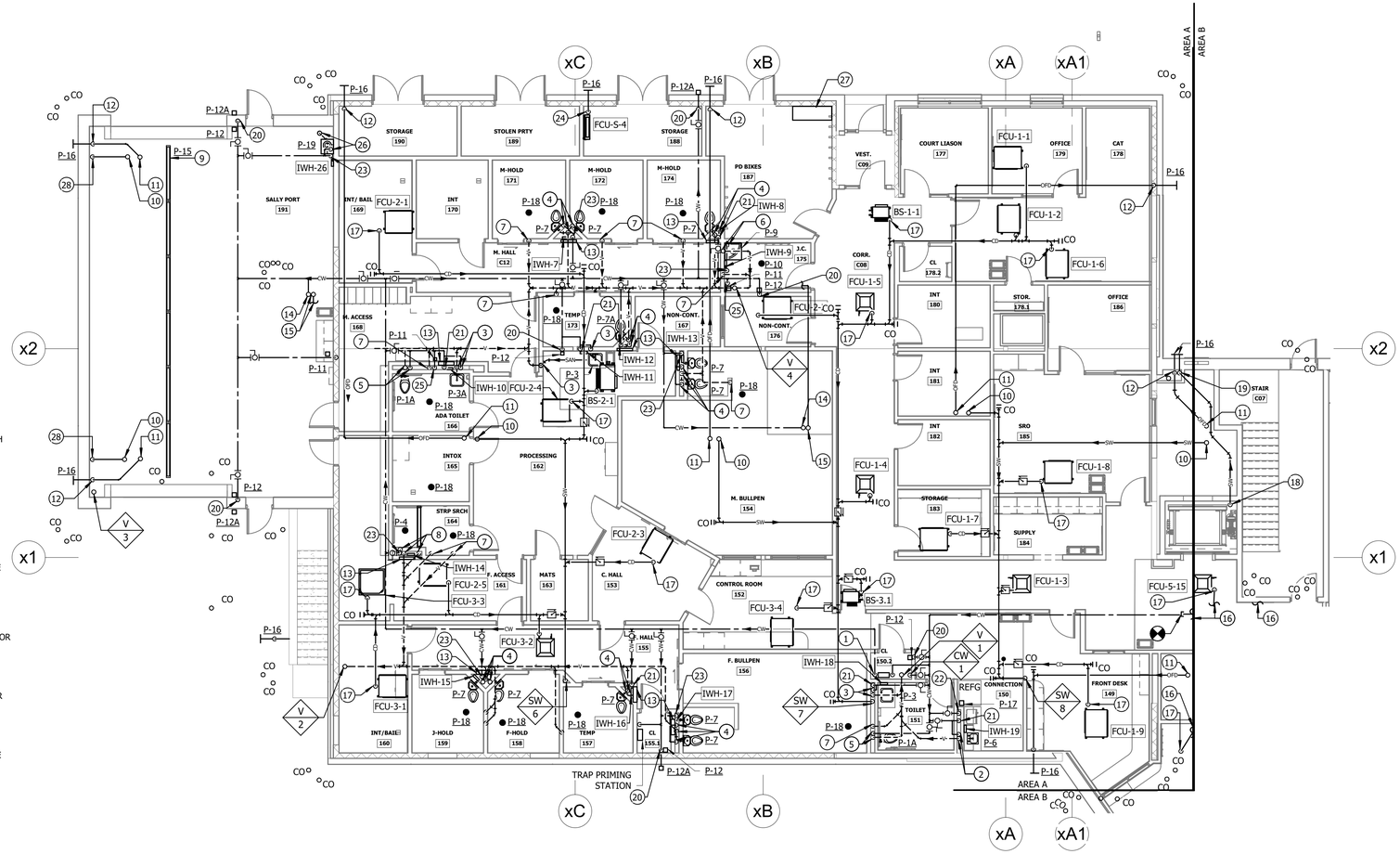
24 1" CD DOWN TO DOWNSPOUT BOOT, P-16. MOUNT MINIMUM 18" AFG. PROVIDE CONCRETE SPLASH BLOCK.

25 1/2" CW DOWN TO TRAP PRIMER, P-11.

26 1/2" CW, 1-1/2" VENT DOWN TO EMERGENCY EYEWASH, P-19.

27 LOCATION OF 25 GAL OIL-FREE AIR COMPRESSOR. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

28 4" SW DOWN.



NEW WORK - FIRST FLOOR - AREA A - PLUMBING
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 · SCOTT P. BROOKS · 31268 · 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. 31268 EXPIRATION DATE: 2027-01-18				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS	CONTRACT COMPLETION BOX							
	AS–BUILT PER RECORD PRINT	DGN BY: IAN DWN BY: IAN CHKD BY: SPB	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	BY: DATE:	REVIEWED BY: DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA A - FIRST FLOOR

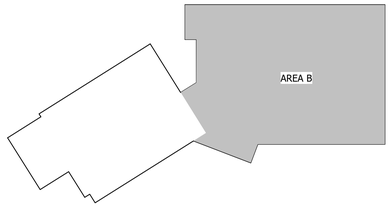
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P202	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 224 OF 295	
DRAWING NUMBER	2025 - 1115
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. CONTRACTOR SHALL TV AND JET ALL SANITARY, STORMWATER, AND CONDENSATE PIPING AFTER LINES ARE INSTALLED AND BEFORE AND AFTER CONCRETE SLAB IS INSTALLED. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
2. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
3. ALL GRAVITY PIPING SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED.
4. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
5. FINISHED FLOOR ELEVATION IS ± 25'-11".

DRAWING NOTES

(#)

1 4" SANITARY UP TO WATER CLOSET, P-1A.

2 2" SANITARY UP TO DRINKING FOUNTAIN, P-8.

3 2" SANITARY UP TO LAVATORY, P-3.

4 3" SANITARY UP TO SHOWER, P-4.

5 3" SANITARY UP TO MOP SINK, P-9.

6 3" SANITARY UP TO FLOOR DRAIN, P-10.

7 2" SANITARY UP TO KITCHEN SINK, P-6.

8 2" VENT UP.

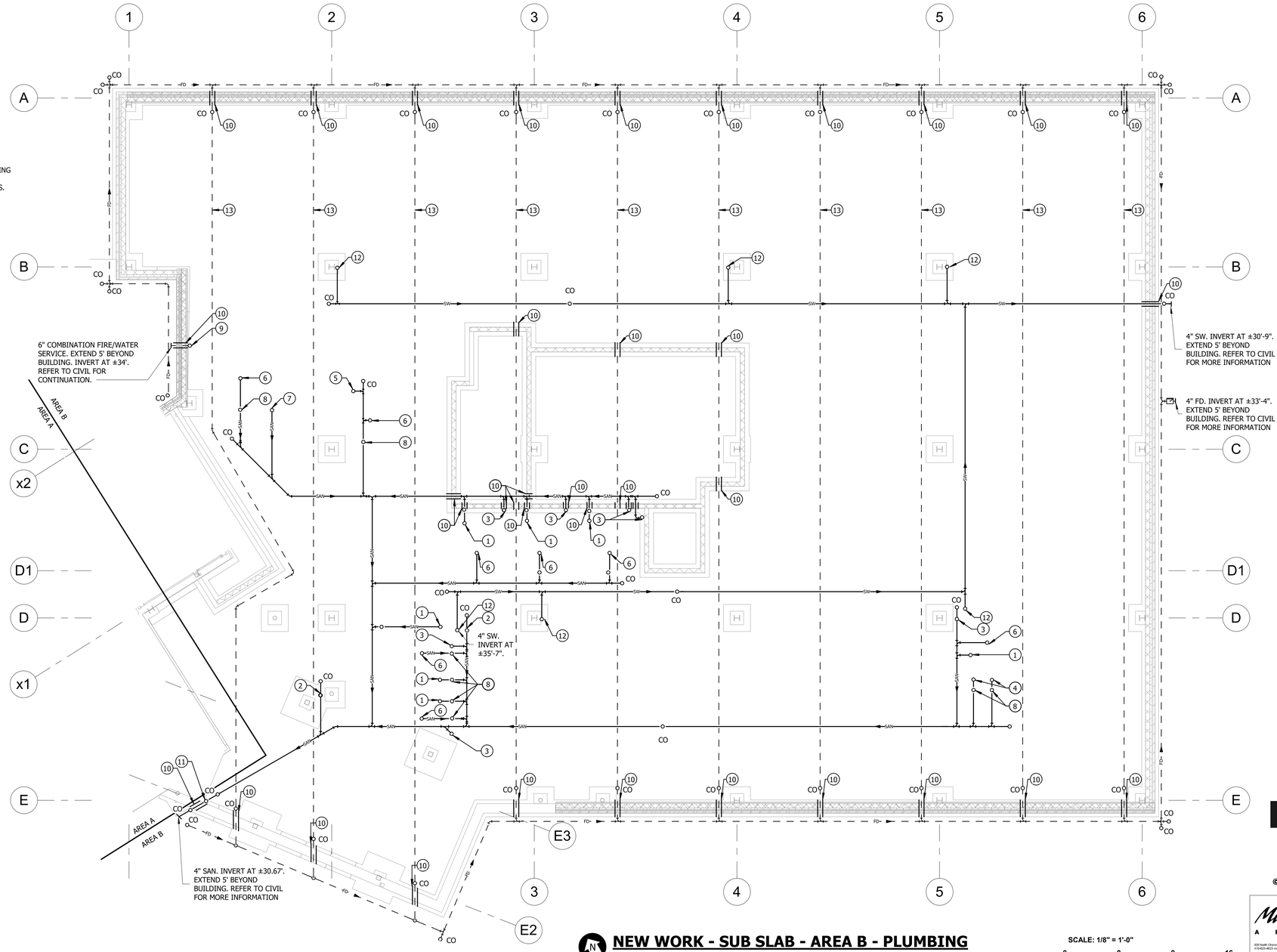
9 6" COMBINATION FIRE/WATER SERVICE UP TO WATER ROOM.

10 PROVIDE PIPE SLEEVE THROUGH STRUCTURE. REFER TO DETAIL FOR MORE INFORMATION.

11 4" VENT UP.

12 4" SW DOWN FROM FLOOR ABOVE.

13 FOUNDATION DRAIN PIPING (TYPICAL). REFER TO DETAILS FOR ELEVATION AND MORE INFORMATION.



NEW WORK - SUB SLAB - AREA B - PLUMBING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND TIMOTHY BRADLEY GRAVEN 31268 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. 31268 EXPIRATION DATE 2027-01-18				R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE : JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX DGN BY: IAN DRN BY: IAN CHKD BY: SPB	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

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA B - SUB SLAB

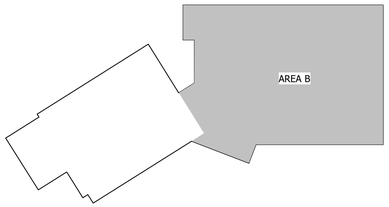
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P203	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET	225 OF 295
DRAWING NUMBER	2025 - 1116
FILE NO.:	8 REV. 01.22



KEY PLAN
SCALE: NONE

GENERAL NOTES:

1. CONTRACTOR SHALL TV AND JET ALL SANITARY, STORMWATER, AND CONDENSATE PIPING AFTER LINES ARE INSTALLED AND BEFORE AND AFTER CONCRETE SLAB IS INSTALLED. CONTRACTOR SHALL PROVIDE TV WITH MEASUREMENTS, LOCATIONS, AND ELEVATIONS.
2. REFER TO PLUMBING RISER DIAGRAM FOR ALL REQUIRED VALVING AND PIPE SIZES.
3. ALL GRAVITY PIPING SHALL BE SLOPED AT 2% UNLESS OTHERWISE NOTED.
4. ALL FITTINGS SHALL COMPLY WITH IPC TABLE 706.3.
5. FINISHED FLOOR ELEVATION IS ± 25'-11".

(#) DRAWING NOTES

1 6" COMBINATION FIRE/WATER SERVICE UP FROM SUB-SLAB. REFER TO SUB-SLAB DRAWINGS FOR MORE INFORMATION.

2 FIRE PROTECTION BACKFLOW PREVENTER. REFER TO FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.

3 PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER SERVICE DOMESTIC WATER SERVICE. REFER TO DETAIL FOR MORE INFORMATION.

4 MANUFACTURER REQUIRED MECHANICAL EQUIPMENT CLEARANCE (TYPICAL).

5 1-1/4" CW, 2" VENT DOWN TO WATER CLOSET P-1/P-1A.

6 1/2" CW, 2" VENT DOWN TO LAVATORY P-3.

7 1/2" CW, (2) 2" VENT DOWN TO SHOWER, P-4

8 1/2" CW, 2" VENT DOWN TO KITCHEN SINK P-6.

9 1/2" CW, 2" VENT DOWN TO DRINKING FOUNTAIN, P-8.

10 1/2" CW DOWN TO TRAP PRIMER, P-11.

11 3/4" CW, 2 " VENT DOWN TO MOP SINK, P-9.

12 3/4" CW DOWN TO HOSE BIBB P-12/P-12A.

13 2" VENT DOWN.

14 8" SW UP TO HUB DRAIN. DISCHARGE AT EXTERIOR WALL WITH DOWNSPOUT NOZZLE, P-16.

15 1/2" CW DOWN TO ICE MAKER WALL BOX, P-17.

16 4" VENT UP AND DOWN.

17 3" PUMPED DISCHARGE UP FROM SUMP PUMP DISCHARGE.

18 2" VENT UP AND DOWN

19 1/2" CW UP TO ROOF HYDRANT, P-20.

20 1/4" INDIRECT SAN DOWN FROM ROOF HYDRANT, P-20. ROUTE TO NEAREST JANITOR SINK, P-9, OR OPEN-SITE DRAIN.

21 4" SW UP TO ROOF DRAIN, P-13.

22 4" OFD UP TO ROOF OVERFLOW DRAIN, P-14.

23 4" OFD DOWN TO DOWNSPOUT BOOT, P-16. MOUNT MINIMUM 18" AFG. PROVIDE CONCRETE SPLASH BLOCK.

24 4" SANITARY UP TO WATER CLOSET, P-1A.

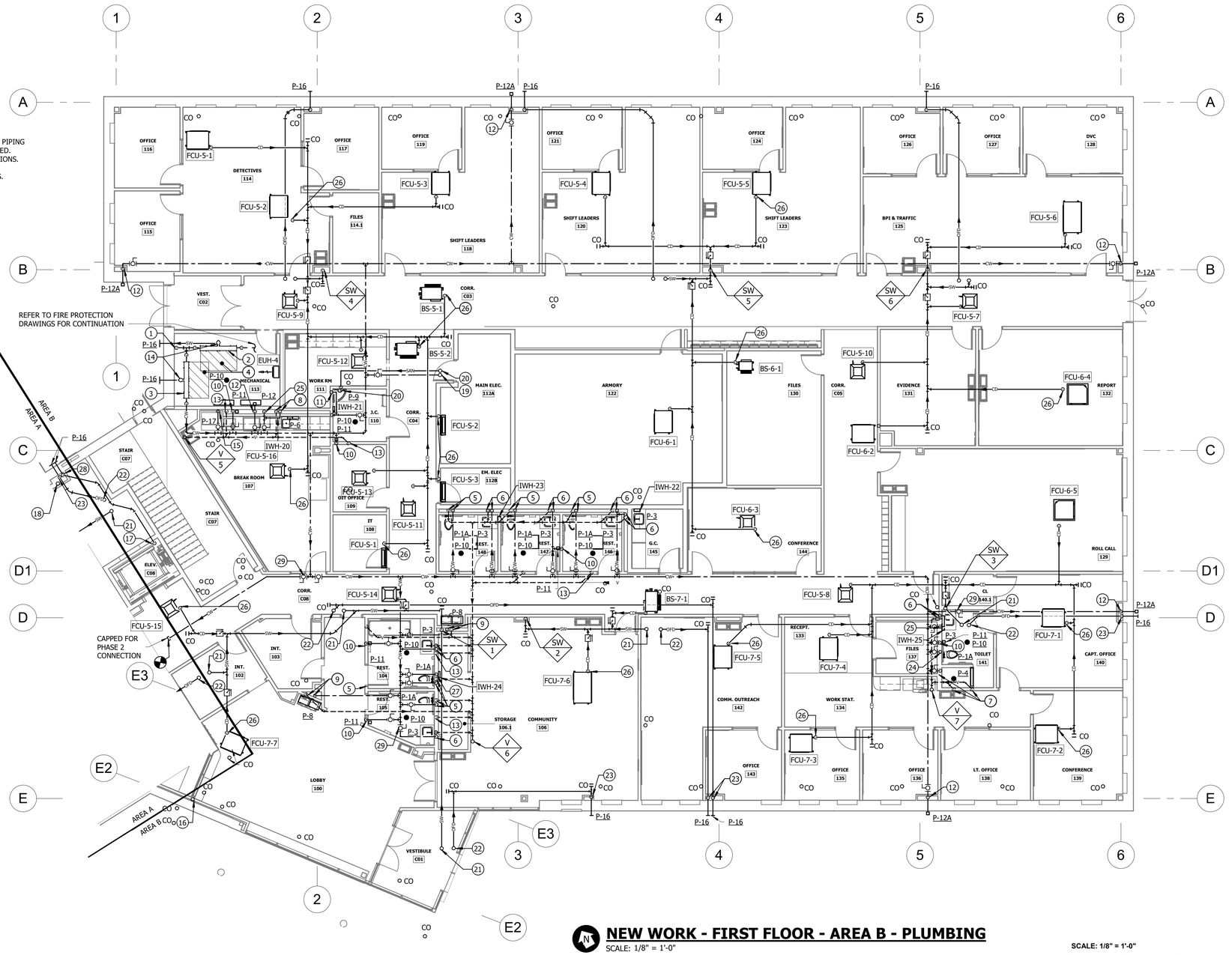
25 3/4" CW DOWN TO IWH. REFER TO DETAILS FOR MORE INFORMATION.

26 CD UP FROM MECHANICAL EQUIPMENT (TYPICAL). REFER TO RISER DIAGRAM AND SCHEDULE FOR MORE INFORMATION.

27 1/2" CW DOWN TO IWH. REFER TO DETAILS FOR MORE INFORMATION.

28 3" PUMPED DISCHARGE DOWN TO DOWNSPOUT BOOT, P-16. MOUNT MINIMUM 18" AFG. PROVIDE CONCRETE SPLASH BLOCK.

29 PROVIDE BALL VALVE (TYPICAL).



NEW WORK - FIRST FLOOR - AREA B - PLUMBING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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226 West Market Street, York, Pennsylvania 17401 717-840-8607 voice 717-840-2446 fax

SEAL: STATE OF MARYLAND — 31268 — PROFESSIONAL ENGINEER
DATE: JULY 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. 31268 EXPIRATION DATE: 2027-01-18
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY: DATE:

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

P.W.A. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29
R.O.W NO.

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

DGN BY: IAN | DWN BY: IAN | CHKD BY: SPB

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

ESSEX POLICE PRECINCT - 11

NEW WORK - AREA B - FIRST FLOOR

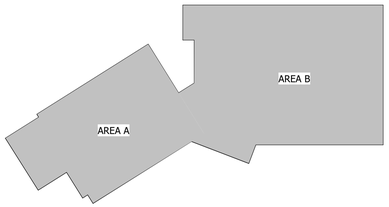
RENOVATION & ADDITION

SUBDIVISION: ESSEX

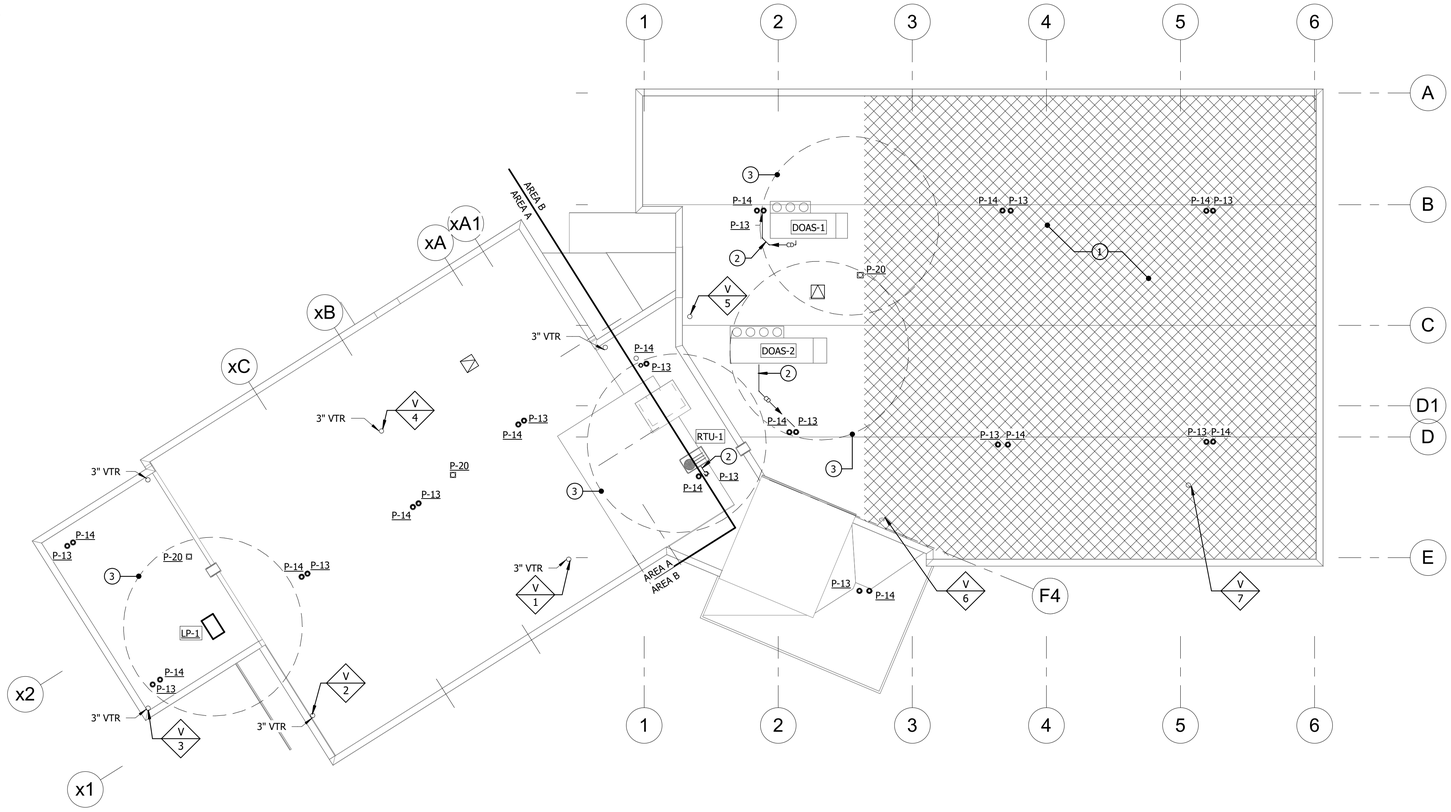
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P204	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 226 OF 295	
DRAWING NUMBER	2025 - 1117
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE



NEW WORK - ROOF - PLUMBING
SCALE: 1/16" = 1'-0"

DRAWING NOTES

1 LOCATION OF PHOTOVOLTAIC FIELD. COORDINATE WITH ARCHITECT.

2 1" CD FROM MECHANICAL EQUIPMENT ROUTED TO NEAREST ROOF DRAIN, P-13. REFER TO DETAIL FOR MORE INFORMATION.

3 40'Ø EQUIPMENT INTAKE ZONE. NO EXHAUST OR VTR WITHIN INTAKE AREA.

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SCALE: 1/16" = 1'-0"
16 0 16

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228 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2446 fax

SEAL:
STATE OF MARYLAND — JOHN RICHARD NOLAN — 31268 — PROFESSIONAL ENGINEER
DATE : JULY 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. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

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:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

NEW WORK - ROOF - PLUMBING

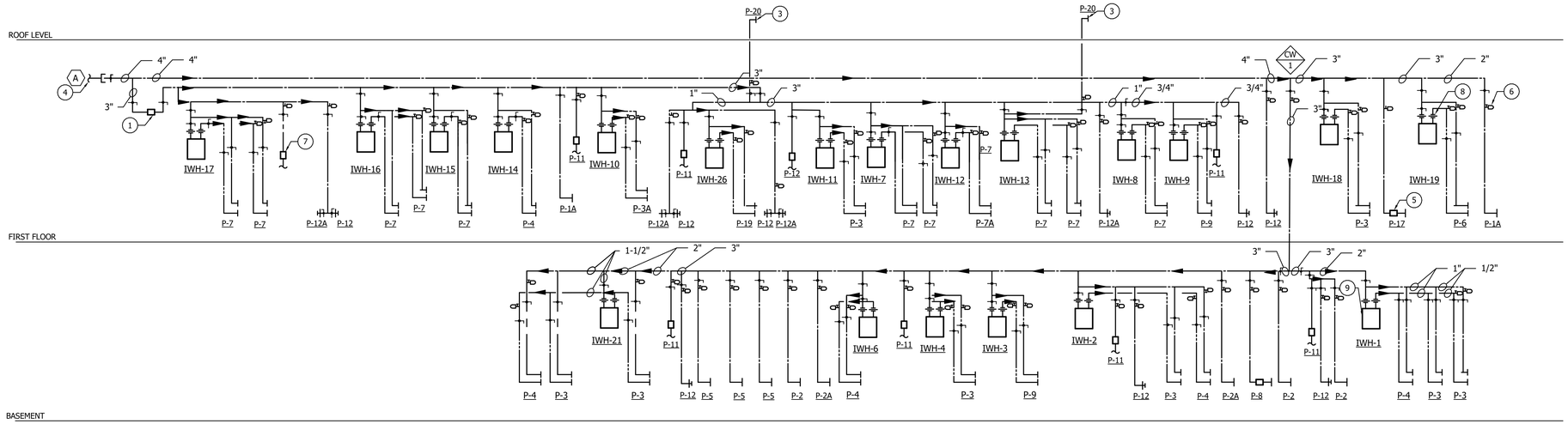
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

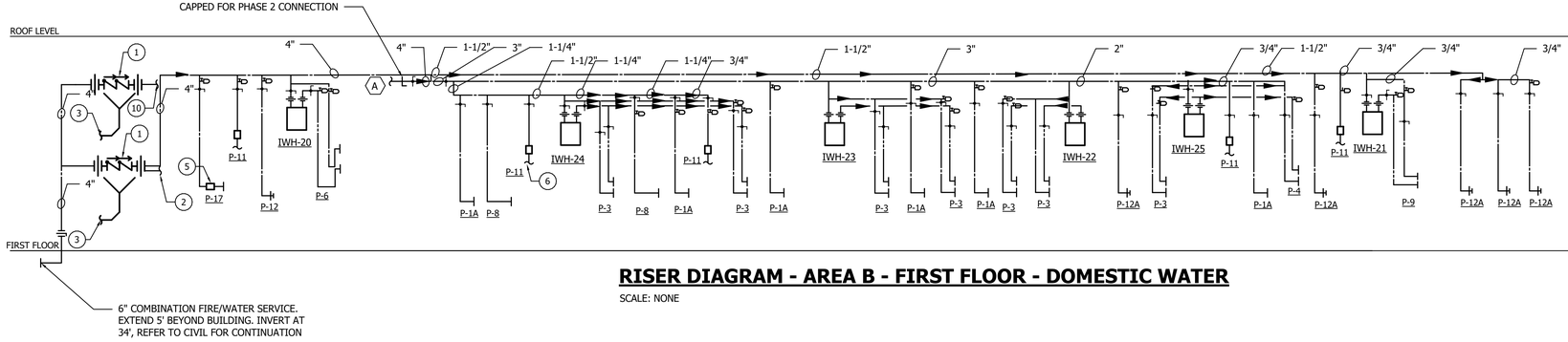
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P205	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 227 OF 295	
DRAWING NUMBER	
2025 - 1118	
FILE NO.: 8	REV. 0



RISER DIAGRAM - AREA A - DOMESTIC WATER

SCALE: NONE



RISER DIAGRAM - AREA B - FIRST FLOOR - DOMESTIC WATER

SCALE: NONE

GENERAL NOTES

1. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL PIPE SIZE INFORMATION.
2. ALL SHUT-OFF VALVES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH ACCESS PANELS WHERE REQUIRED.

RISER NOTES

1. SHUT OFF VALVE (TYP). WITHIN MILCOR UFR VALVE BOX SIZE 12" X 12" X 6" FOR CW.
2. CONTINUATION TO BASEMENT.
3. REFER TO DETAILS FOR MORE INFORMATION.
4. CONTINUATION FROM AREA B.
5. WALL-MOUNTED FILTER SERVING ICE MACHINE, P-17; REFER TO SCHEDULE AND ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
6. WATER ARRESTOR (TYP).
7. TRAP PRIMING STATION. REFER TO DETAILS FOR MORE INFORMATION.
8. UNION (TYP).
9. INSTANTANEOUS WATER HEATER. REFER TO DETAILS FOR INSTALLATION INFORMATION.
10. CONTINUATION ON FIRE PROTECTION RISER

SEAL

DATE : JULY 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. 31268 EXPIRATION DATE: 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
		7NE28
R.O.W NO.	ISW	7NE29
		8NE28
		8NE29

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

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY: IAN	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: IAN	REVIEWED BY:							
CHKD BY: SPB	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

RISERS - DOMESTIC WATER

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

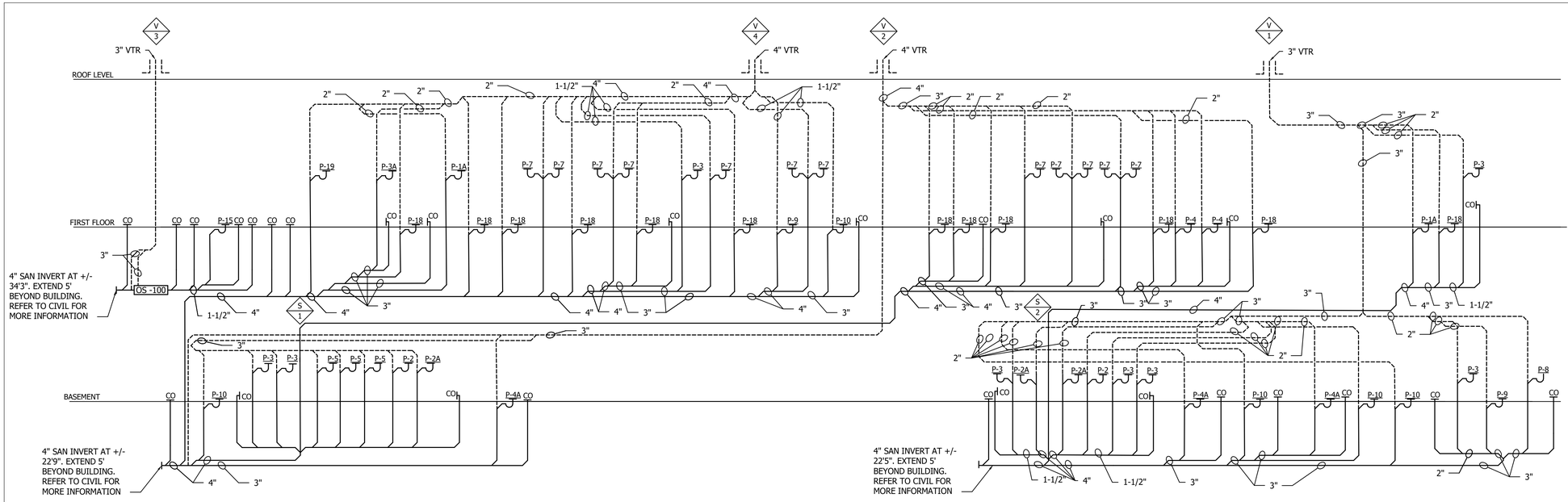
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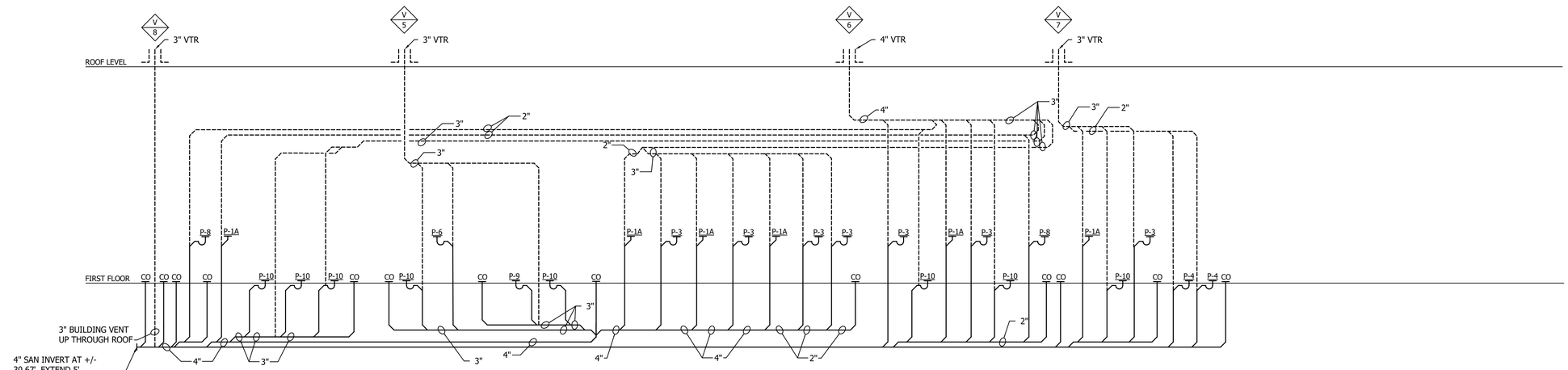
DWG. FILENAME: C:\Users\ingoven\Documents\Essex Police Station - Central File - Rvt 2021_lan4JDMZ.rvt

SHEET DESIGNATION	CONTRACT NUMBER
P501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 228 OF 295
	DRAWING NUMBER
	2025 - 1119
	FILE NO.: 8 REV. 07.22



RISER DIAGRAM - AREA A - SANITARY/VENT

SCALE: NONE



RISER DIAGRAM - AREA B - FIRST FLOOR - SANITARY/VENT

SCALE: NONE

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226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-843-2448 fax

DWG. FILENAME: C:\Users\mgreen\Documents\Essex Police Station - Central File - Rvt 2021_ian4JDAZ.rvt

SEAL

DATE : JULY 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. 31268, EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN
DWN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

RISERS - SANITARY & VENT

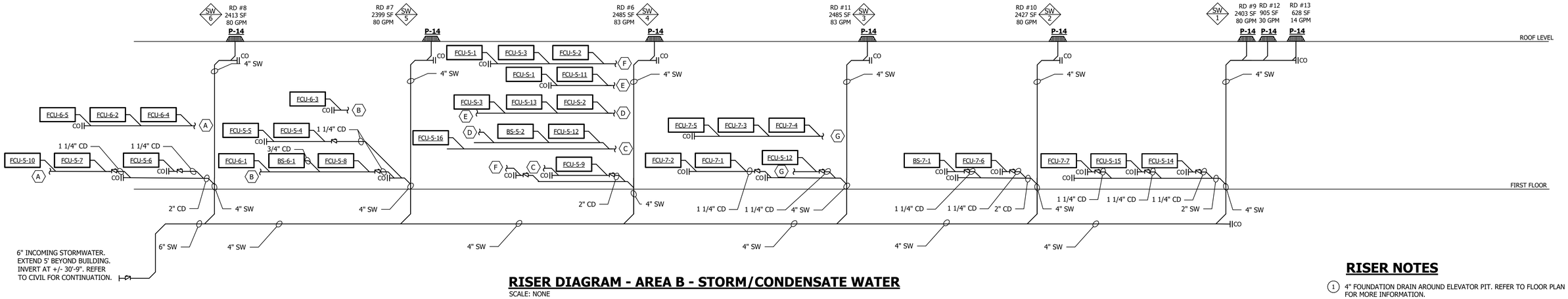
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P502	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET	229 OF 295
DRAWING NUMBER	2025 - 1120
FILE NO.:	8

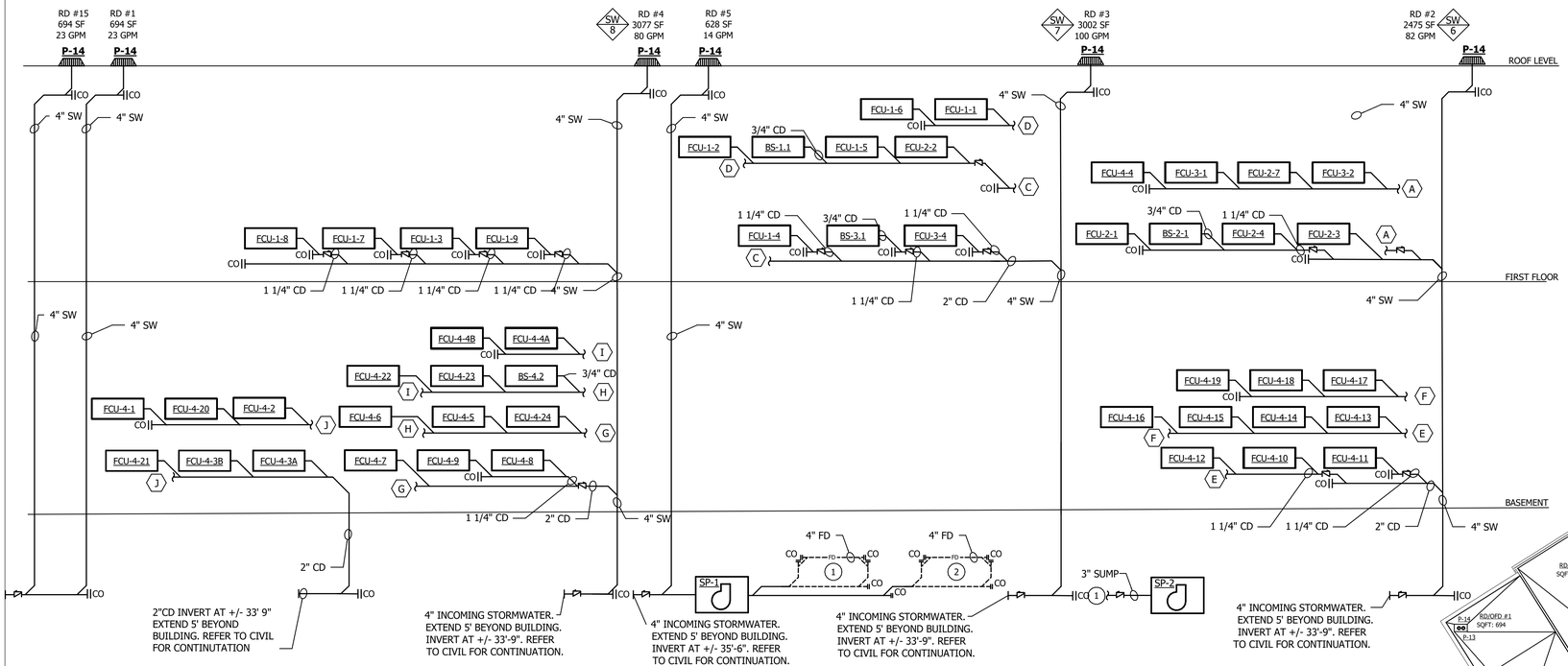


RISER DIAGRAM - AREA B - STORM/CONDENSATE WATER

SCALE: NONE

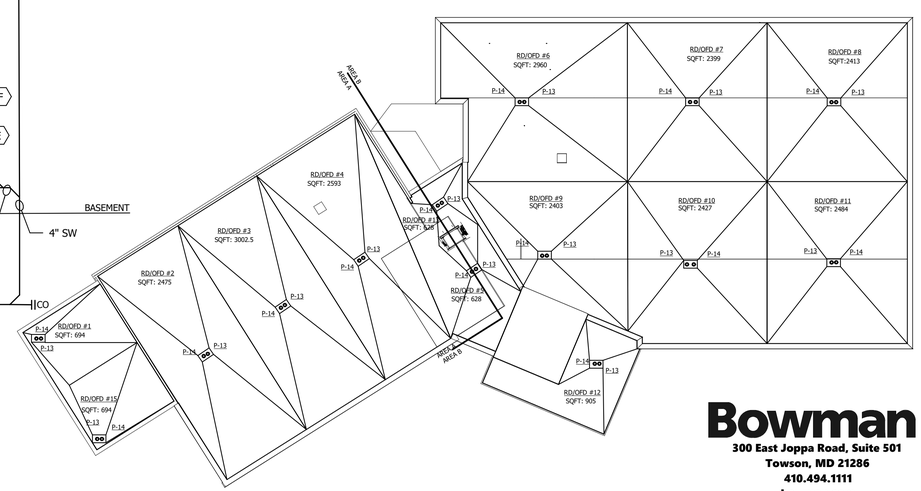
RISER NOTES

1. 4" FOUNDATION DRAIN AROUND ELEVATOR PIT. REFER TO FLOOR PLAN FOR MORE INFORMATION.
2. 4" FOUNDATION DRAIN AROUND BUILDING. REFER TO FLOOR PLAN FOR MORE INFORMATION.



RISER DIAGRAM - AREA A - STORM/CONDENSATE WATER

SCALE: NONE



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229 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2448 fax

DWG. FILENAME:

SEAL: STEVEN BRZOZOWSKI, STATE OF MARYLAND, 31268, PROFESSIONAL ENGINEER

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BOWMAN CONSULTING ENGINEERS

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

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

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

RISERS - STORMWATER/CONDENSATE

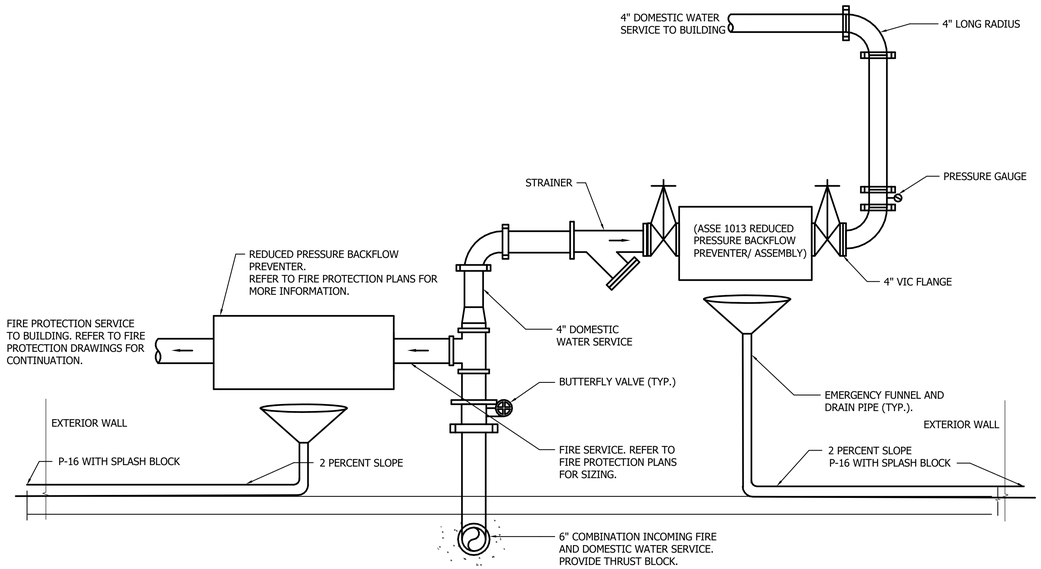
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

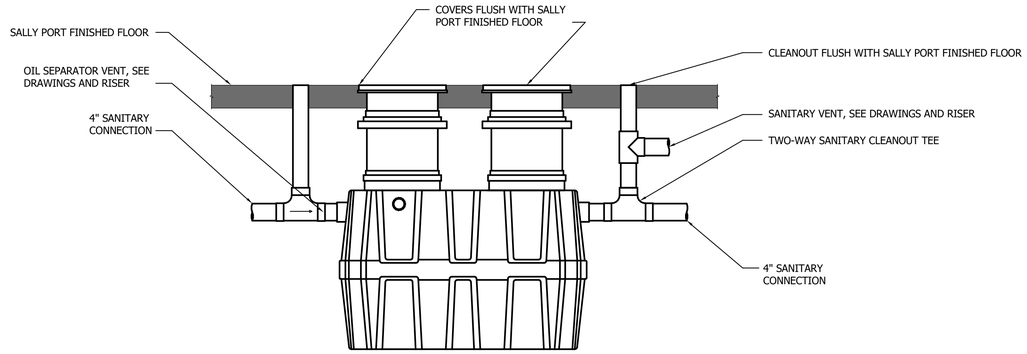
SHEET DESIGNATION	CONTRACT NUMBER
P503	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 230 OF 295
	DRAWING NUMBER
	2025 - 1121
	FILE NO.: 8



NOTE:
1. MOUNT BACKFLOW PREVENTERS AT PLUMBING CODE/AUTHORITY HAVING JURISDICTION'S REQUIRED HEIGHTS ABOVE FINISHED FLOORS

DETAIL- COMBINATION INCOMING FIRE AND DOMESTIC WATER SERVICE

SCALE: NONE

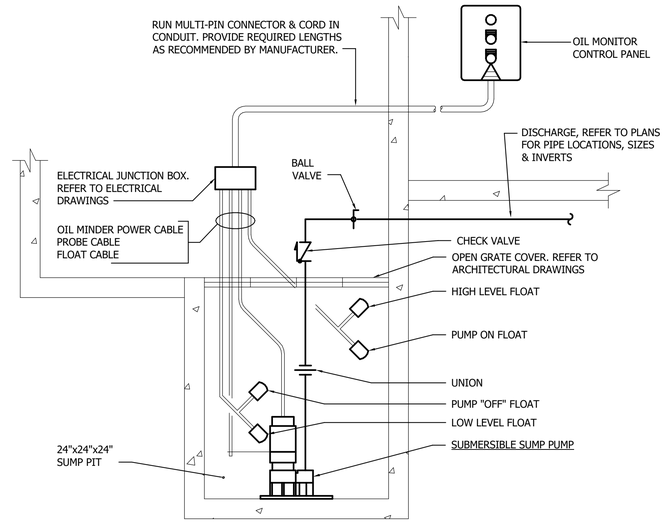


NOTES:

1. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL INSTALLATION REQUIREMENTS.

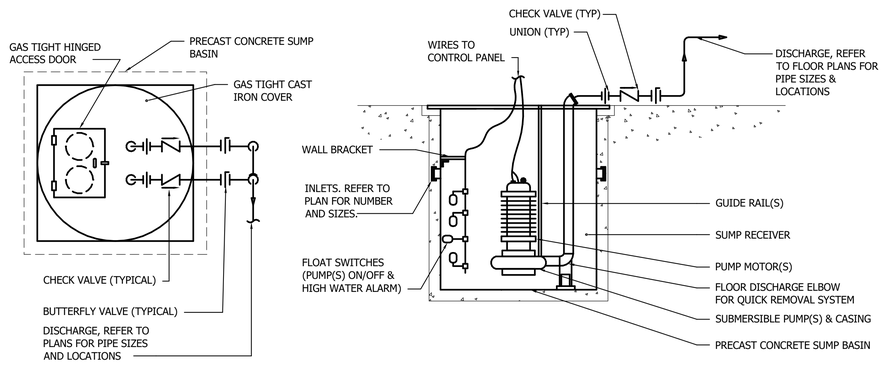
DETAIL - SAND AND OIL SEPARATOR AT SALLY PORT

SCALE: NONE



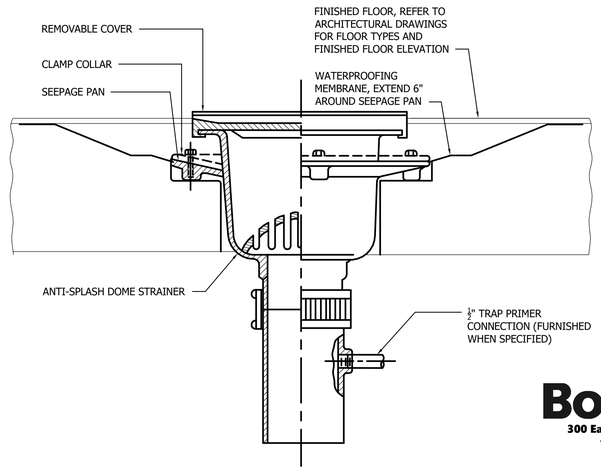
DETAIL - ELEVATOR SUMP PUMP

SCALE: NONE



DETAIL - STORM WATER SUMP & PUMP SYSTEM (DUPLEX)

SCALE: NONE



DETAIL - TYPICAL FLOOR SINK

SCALE: NONE

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228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

SEAL: STATE OF MARYLAND — BRIAN S. PITTENHAFER — 31268 — PROFESSIONAL ENGINEER

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN DRN BY: IAN CHKD BY: SPB

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

DETAILS

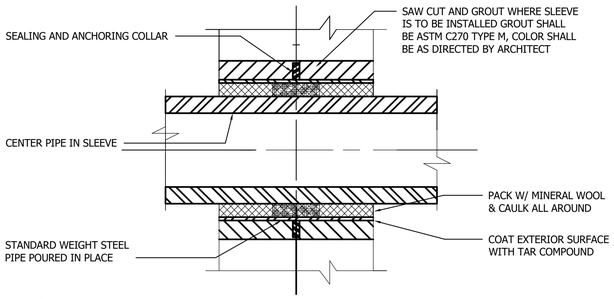
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P701	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 231 OF 295	
DRAWING NUMBER	
2025 - 1122	
FILE NO.: 8	REV. 0

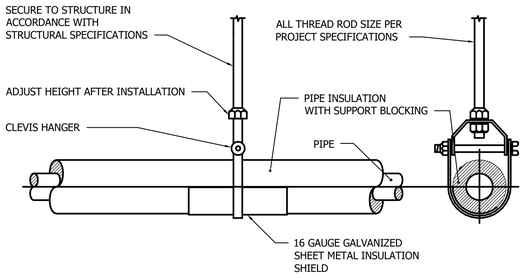


NOTES:

1. PROVIDE WEATHER TIGHT PIPE SLEEVES AT ALL WALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR WALL CONSTRUCTIONS.

DETAIL - TYPICAL PIPE SLEEVE THRU EXTERIOR WALL

SCALE: NONE

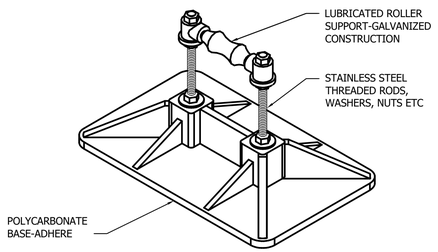


NOTES:

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.

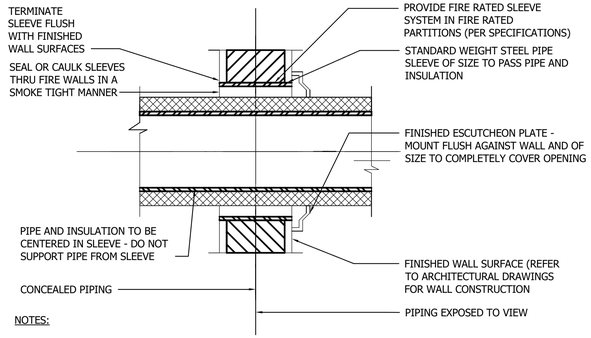
DETAIL - PIPE HANGER SUPPORT

SCALE: NONE



DETAIL - PIPE CADDIE SUPPORTS

SCALE: NONE

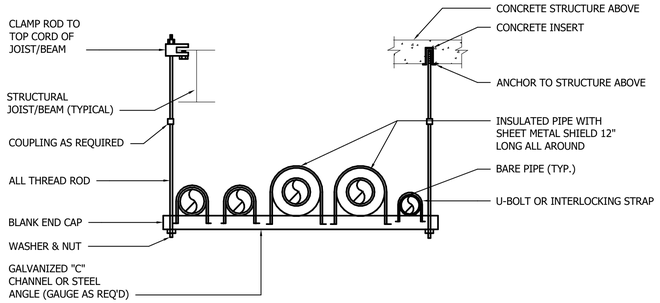


NOTES:

1. PROVIDE PIPE SLEEVES AT ALL WALL PENETRATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT WALL CONSTRUCTIONS.

DETAIL - TYPICAL PIPE SLEEVE THRU INTERIOR WALL

SCALE: NONE

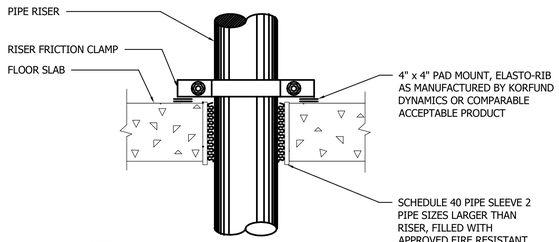


NOTES:

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

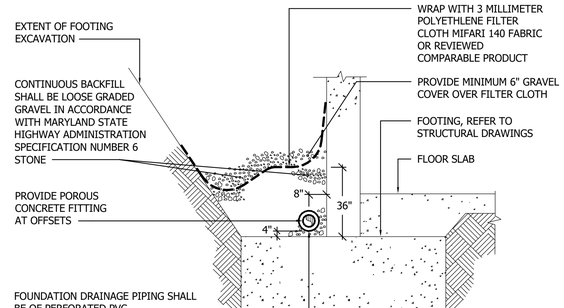


NOTES:

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.

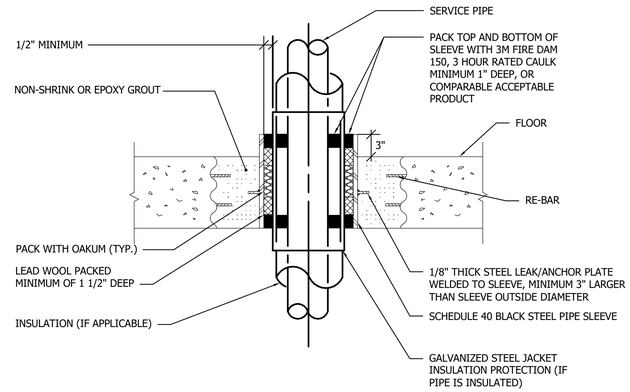
DETAIL -TYPICAL PIPE PENETRATION THROUGH FLOOR

SCALE: NONE



DETAIL - TYPICAL FOUNDATION DRAIN INSTALLATION

SCALE: NONE

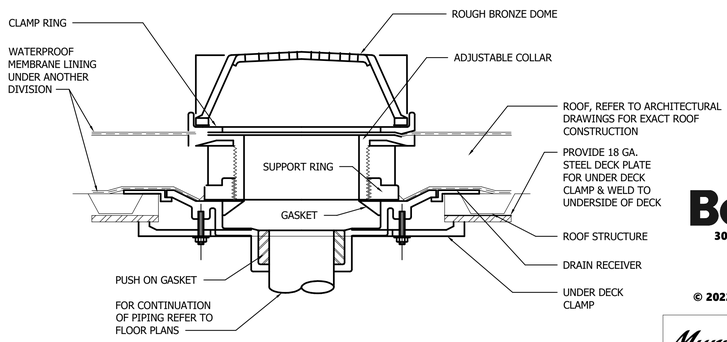


NOTES:

1. PIPE SHALL BE SUPPORTED BY RISER CLAMPS OR ABOVE WITH PIPE HANGERS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR CONSTRUCTION.

DETAIL - TYPICAL PIPE SLEEVE THRU FLOOR

SCALE: NONE



DETAIL - TYPICAL ROOF DRAIN

SCALE: NONE

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DATE: JULY 14, 2025

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ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPR

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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.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

DETAILS

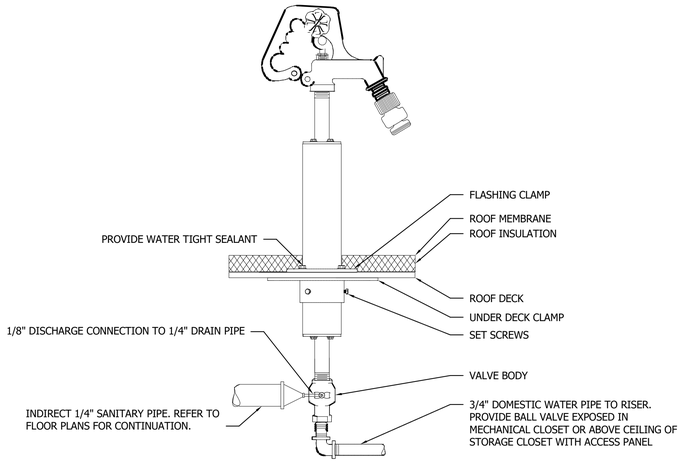
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

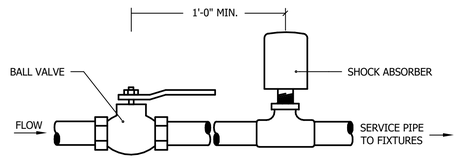
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P702	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 232 OF 295	
DRAWING NUMBER	2025 - 1123
FILE NO.: 8	REV. 0



DETAIL- TYPICAL FROST FREE ROOFTOP HYDRANT DETAIL

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	-

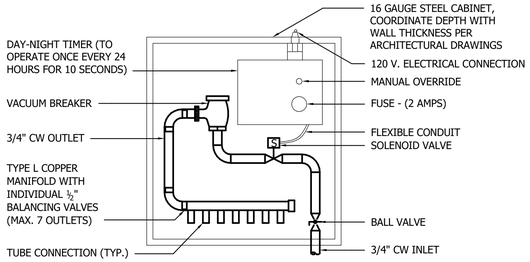
* DESIGNATION IS ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH 201 FOR SHOCK ABSORBERS.

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

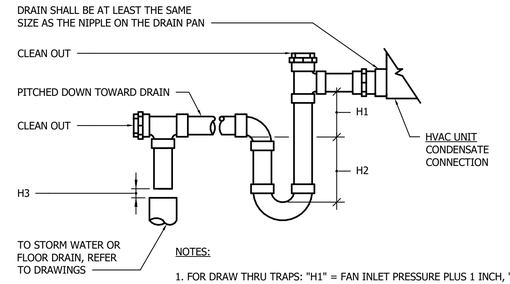


NOTES:

1. TOTAL NUMBER OF OUTLETS SHALL BE DETERMINED BY THE NUMBER OF FLOOR DRAINS PRIMED WITHIN THE IMMEDIATE AREA.

DETAIL - TYPICAL TRAP PRIMING STATION

SCALE: NONE



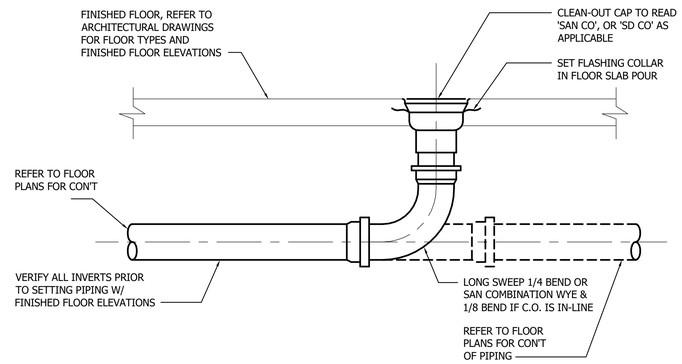
PIPE SIZING CHART	
EQUIPMENT TONNAGE	**REQ'D PIPE SIZE**
UP TO 20 TONS	3/4"
OVER 20 TONS TO 40 TONS	1"
OVER 40 TONS TO 90 TONS	1 1/4"
OVER 90 TONS TO 125 TONS	1 1/2"
OVER 125 TONS TO 250 TONS	2"

NOTES:

1. FOR DRAW THRU TRAPS: "H1" = FAN INLET PRESSURE PLUS 1 INCH, "H2" = H1/2.
2. FOR BLOW THRU TRAPS: "H1" = 1 INCH, "H2" = FAN OUTLET PRESSURE PLUS 1/2 INCH.
3. H3 EQUAL TO 1 INCH.

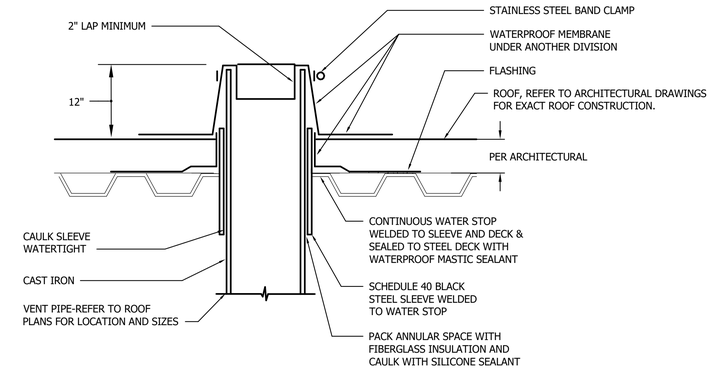
DETAIL - TYPICAL CONDENSATE DRAIN TRAP

SCALE: NONE



DETAIL - TYPICAL SANITARY FLOOR CLEANOUT

SCALE: NONE



DETAIL - TYPICAL SANITARY VENT THRU ROOF

SCALE: NONE

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SEAL

DATE : JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

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REVIEWED BY:
DATE REVIEWED:

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

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

DETAILS

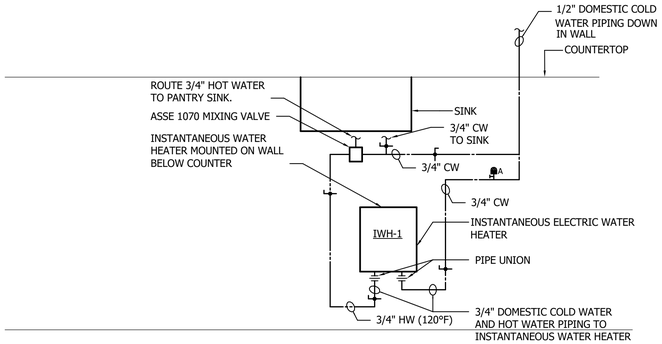
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

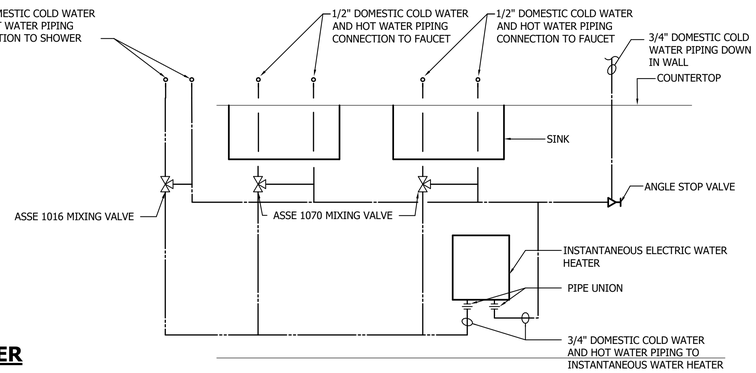
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
P703	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 233 OF 295
	DRAWING NUMBER
	2025 - 1124
	FILE NO.: 8



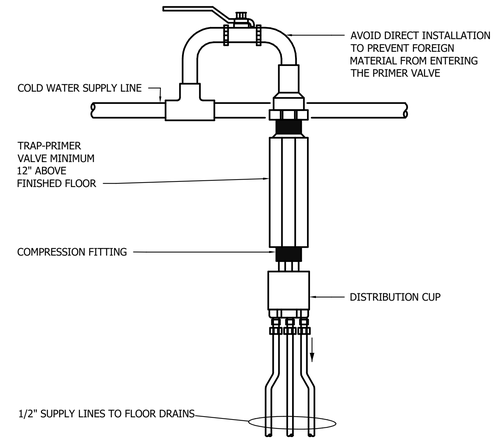
DETAIL - TYPICAL KITCHEN SINK AND INSTANTANEOUS WATER HEATER

SCALE: NONE



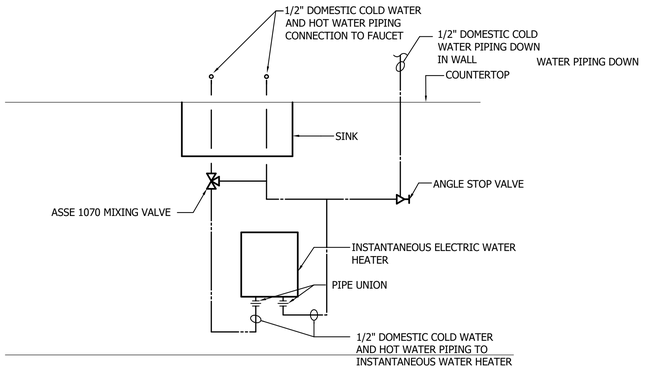
DETAIL - TYPICAL UNDERSINK MULTI SINKS AND SHOWER INSTANTANEOUS WATER HEATER

SCALE: NONE



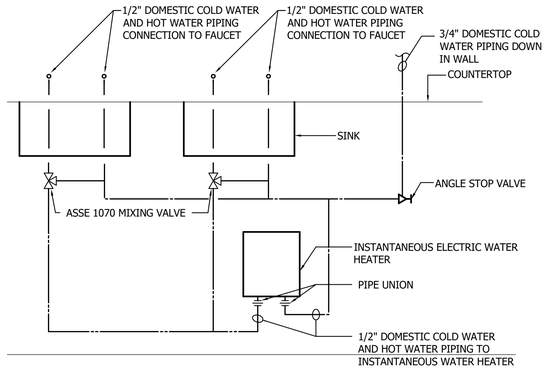
DETAIL - TYPICAL TRAP PRIMER PIPING WITH DISTRIBUTION CUP

SCALE: NONE



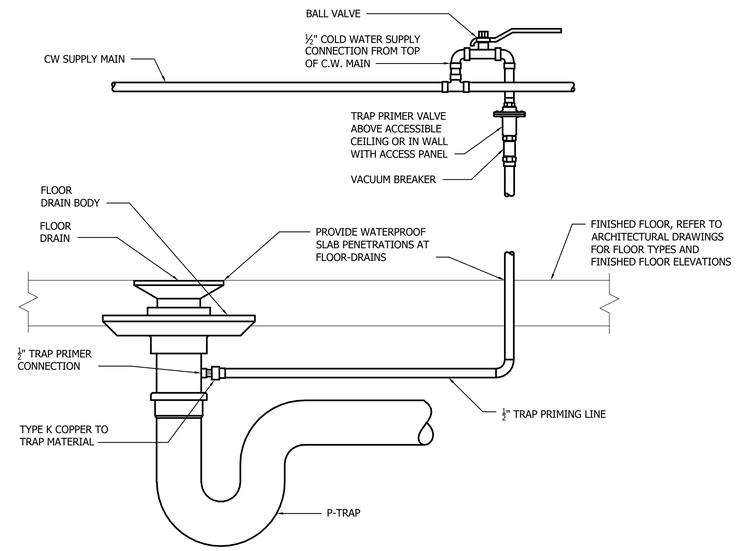
DETAIL - TYPICAL UNDERSINK INSTANTANEOUS WATER HEATER

SCALE: NONE



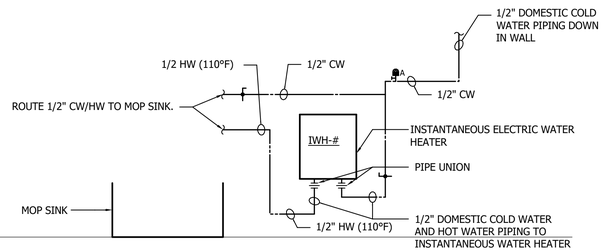
DETAIL - TYPICAL UNDERSINK FOR MULTI SINKS INSTANTANEOUS WATER HEATER

SCALE: NONE



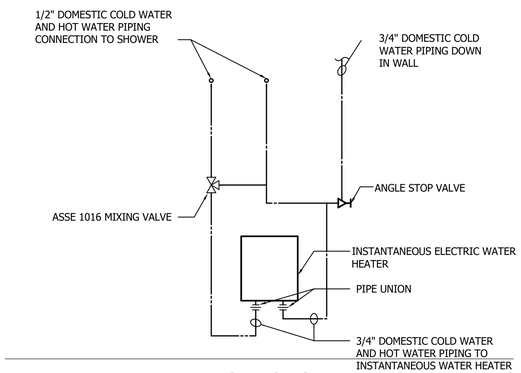
DETAIL - TYPICAL FLOOR DRAIN WITH TRAP PRIMING VALVE

SCALE: NONE



DETAIL - TYPICAL MOP SINK AND INSTANTANEOUS WATER HEATER

SCALE: NONE



DETAIL - TYPICAL SHOWER INSTANTANEOUS WATER HEATER

SCALE: NONE

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com
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C:\Users\imgraves\Documents\Essex Police Station - Central File - Rev 2021_Jan4JJMZ.rvt

DWG. FILENAME:

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4914 fax
226 West Market Street, York, Pennsylvania 17401 717-845-6827 voice 717-845-2446 fax

SHEET DESIGNATION	CONTRACT NUMBER
P704	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 234 OF 295
	DRAWING NUMBER
	2025 - 1125
	FILE NO.: 8

SEAL

DATE : JULY 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. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

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

CONTRACT COMPLETION BOX | R.O.W. NO. | ISW | 7NE28 7NE29 8NE28 8NE29 | 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:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

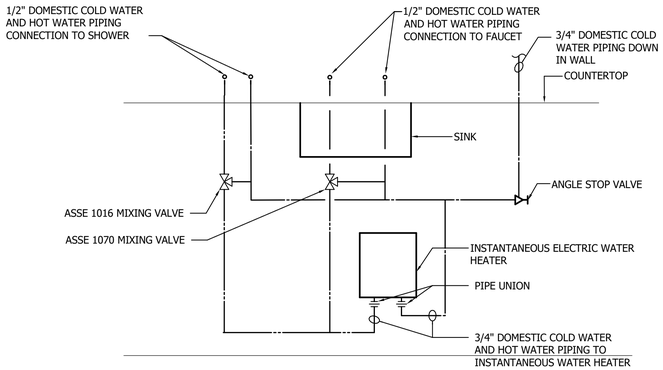
DETAILS

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

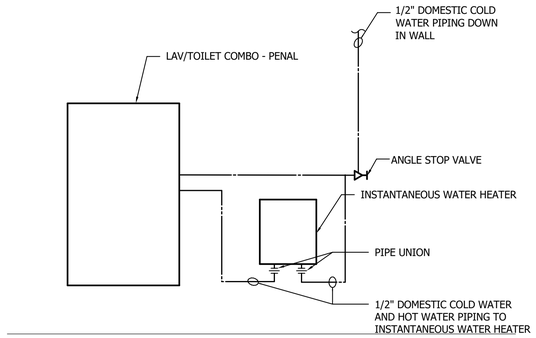
SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7



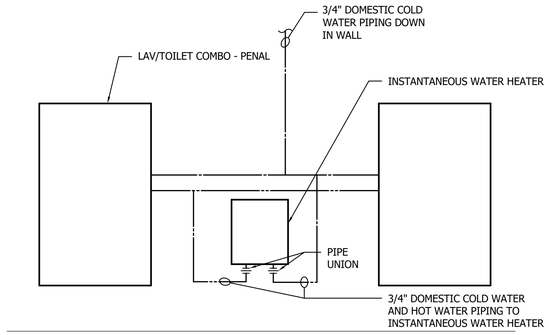
DETAIL - TYPICAL UNDERSINK LAVATORY AND SHOWER INSTANTANEOUS WATER HEATER

SCALE: NONE



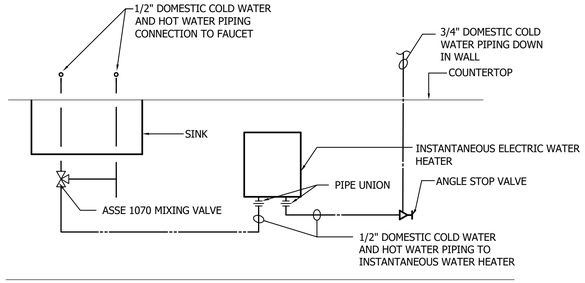
DETAIL - TYPICAL PENAL LAV/TOILET COMBO INSTANTANEOUS WATER HEATER

SCALE: NONE



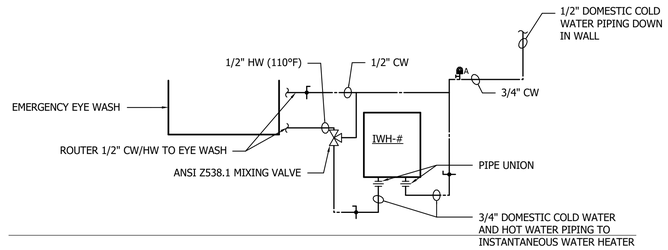
DETAIL - TYPICAL PENAL LAV/TOILET COMBOS INSTANTANEOUS WATER HEATER

SCALE: NONE



DETAIL - TYPICAL SINK INSTANTANEOUS WATER HEATER

SCALE: NONE



DETAIL - TYPICAL EMERGENCY EYE WASH AND INSTANTANEOUS WATER HEATER

SCALE: NONE

SEAL

STATE OF MARYLAND — JOHN BRADFORD — 31268 — PROFESSIONAL ENGINEER

DATE : JULY 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. 31268 , EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

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

CONTRACT COMPLETION BOX

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-846-4627 voice 717-843-2446 fax

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SHEET DESIGNATION	CONTRACT NUMBER
P705	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 235 OF 295
	DRAWING NUMBER
	2025 - 1126
	FILE NO.: 8

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 BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1,2,6
WATER CLOSET	P-2	1.0 GPF	WALL/ FLUSH VALVE	-	YES	4"	2"	1-1/4"	-	TOTO	CT728CU(G)	TOTO	TET6UA32	WALL MOUNTED WATER CLOSET SHALL BE MADE OF VITREOUS CHINA, TOTO MODEL TOTO CT 728CU(G) OR EQUIVALEN WALL MOUNTED TOILET (1.0 GAL/FLUSH) WITH SIPHON JET ACTION, ELONGATED BOWL WITH OPEN FRONT SEAT, 1-1/2" (40 MM) TOP SPUD. PROVIDE RECOMMENDED TRIM, STANDARD WHITE, OPEN FROM TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE OR HIGH EFFICIENCY CARRIER.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 BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1
WATER CLOSET (ADA)	P-2A	1.0 GPF	WALL/ FLUSH VALVE	-	YES	4"	2"	1-1/4"	-	TOTO	CT728CU(G)	TOTO	TET6UA32	WALL MOUNTED ADA WATER CLOSET SHALL BE ADA COMPLIANT: SHALL BE MADE OF VITREOUS CHINA, TOTO MODEL TOTO CT 728CU(G) OR EQUIVALEN WALL MOUNTED TOILET (1.0 GAL/FLUSH) WITH SIPHON JET ACTION, ELONGATED BOWL WITH OPEN FRONT SEAT, 1-1/2" (40 MM) TOP SPUD. PROVIDE RECOMMENDED TRIM, STANDARD WHITE, OPEN FROM TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE OR HIGH EFFICIENCY CARRIER.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 BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1,2,6
LAVATORY (ADA)	P-3	0.5 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-3A	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-4	1.5 GPM	WALL	ASSE 1016	YES	3" (2)	2" (2)	1/2"	1/2"	AKER	141289000002102	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
SHOWER (BASEMENT)	P-4A	1.5 GPM	WALL	ASSE 1016	YES	3"	2"	1/2"	1/2"	AKER	141289000002102	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.	1,2,8,11
URINAL	P-5	.5 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 BE BATTERY POWERED. DURABLE CHROME PLATED BODY WITH TAMPER-PROOF SCREWS AND SOLID BRONZE VALVE BODY AND BE BATTERY POWERED.	1
URINAL (ADA)	P-5A	.5 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-6	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
18" LAV/TOILET COMBO- PENAL	P-7	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-8	-	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-9	-	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
FLOOR DRAIN	P-10	-	FLOOR	-	-	3"	2"	-	-	ZURN	Z415B	-	-	FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIVLE MEMBRANE CLAM AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY STRAINER, PROVIDE WITH TRAP PRIMER CONNECTION.	1,9
TRAP PRIMER	P-11	-	WALL	-	-	-	-	1/2"	-	SIOUX CHEF	695-01	-	-	WHERE REPLENISHMENT OF WATER IN FLOOR DRAIN TRAPS IS REQUIRED; TRAP PRIMER VALVES SHALL BE ½" FIP INLET × ½" MIP OUTLET, AUTOMATIC TRAP PRIMER VALVES WHICH ACTIVATE WITH A 10 PSIG PRESSURE DROP BETWEEN 30–150 PSIG. WATER RELEASE SHALL BE FACTORY SET. TRAP PRIMER VALVE SHALL HAVE LARGE PORT OPENINGS AND A NON-CORROSIVE BRASS FINISH. MUST BE UPC/IAPMO LISTED, AND ASSE CERTIFIED TO THE ASSE 1018 STANDARD	1
HOSE BIBBS - INTERIOR	P-12	-	WALL	-	-	-	-	3/4"	-	ZURN	Z1341-BOX	ZURN	Z1341XL	PROVIDE Z1341-BOX CHROME-PLATED ROUGH CAST BRONZE BOX AND HINGED COVER WITH LOOSE KEY INCLUDED. PROVIDE ZURN 1341XL: EXPOSED, LEAD-FREE, ANTI-SIPHON, MODERATE CLIMATE WALL HYDRANT FOR RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS. HYDRANT FEATURES Z1399-VB EXTERNAL VACUUM BREAKER WITH 3/4" MALE HOSE CONNECTION, BRONZE AND STAINLESS STEEL INTERIOR COMPONENTS, VANDAL RESISTANT OPERATING STEM, AND SECURED WHEEL-TYPE HANDLE. HYDRANT IS FINISHED WITH ROUGH BRONZE EXTERIOR WITH A CHOICE OF FIVE DIFFERENT INLET CONNECTION OPTIONS AND INCLUDES AN OPTIONAL LOOSE KEY.	1
HOSE BIBBS - FROST FREE	P-12A	-	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
ROOF DRAIN	P-13	-	-	-	-	SEE PLANS	-	-	-	ZURN	Z100	-	-	15" DIAMETER ROOF DRAIN. DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME.	1
OVERFLOW DRAIN	P-14	-	-	-	-	SEE PLANS	-	-	-	ZURN	Z131	-	-	14-9/32" DIAMETER SIPHONIC OVERFLOW ROOF DRAIN. DURA-COATED DUCTILE IRON DRAIN BODY WITH MEMBRANE FLASHING CLAMP/GRAVEL GUARD, LOW SILHOUETTE POLY-DOME, AND TOP-SET DECK PLATE.	1
TRENCH DRAIN	P-15	-	FLOOR	-	-	SEE PLANS	-	-	-	ZURN	Z888-12	-	-	HI-CAP 12 SLOTTED DRAIN CHANNEL IS 80" LONG, 14.25" DEEP INVERT, 12.5" WIDE W/ A 1.75" THROAT WIDTH MADE FROM LINEAR LOW DENSITY POLYETHYLENE. CHANNELS HAVE A MECHANICAL TONGUE AND GROOVE BOLTED CONNECTION THAT LOCK IN THE CONCRETE EVERY 5" USING REBAR CLIPS OR PHYSICAL ANCHORS. SYSTEM REQUIRES A MINIMUM OF 2000 PSI CONCRETE ENCASEMENT,	1,13
DOWNSPOUT NOZZLE	P-16	-	WALL	-	-	SEE PLANS	-	-	-	ZURN	Z-199-DC	-	-	PROVIDE ZURN ZS199-DC DOWNSPOUT COVER, ROUND FABRICATED STAINLESS STEEL FRAME WITH FABRICATED SECURED PERFORATED STAINLESS STEEL HINGED STRAINER.	1
ICE MAKER WALL BOX	P-17	-	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
PENAL FLOOR DRAIN	P-18	-	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
EMERGENCY EYE WASH	P-19	-	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
ROOF HYDRANT	P-20	-	THROUGH ROOF	-	-	1/4" INDIRECT	-	1/2"	-	JAY R. SMITH	5907	-	-	NON-FREEZE ROOF HYDRANT WITH CHECK VALVE, GALVANIZED CASING AND ADJUSTABLE FLOW WHEEL LOCK HANDLE WITH DECK FLANGE AND UNDER DECK CLAMP.	1

NOTES:

1: PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE FIXTURE ROUGH-IN, I.E., SUPPLIES, 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.
13: PROVIDE QUANTITY OF TRENCH DRAIN SECTIONS AS NECESSARY TO ACCOMMODATE OVERALL LENGTH OF TRENCH SHOWN ON FLOOR PLANS.

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. 31268 EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT BY: DATE:

DGN BY: IAN
DRN BY: IAN
CHKD BY: SPB

DATE : JULY 14, 2025

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

SCHEDULES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Pittenhafer ARCHITECTS
600 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-843-2446 fax

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SHEET DESIGNATION	CONTRACT NUMBER
P801	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 236 OF 295
	DRAWING NUMBER
	2025 - 1127
	FILE NO.: 8 REV.: 0

INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE

UNIT DESIGNATION	LOCATION	HEATER								WATER HEATER BASIS OF DESIGN		NOTES
		WATER SIDE				PIPE CONNECTIONS		ELECTRICAL CHARACTERISTICS				
		EWT (°F)	LWT (°F)	MAXIMUM GPM CAPACITY	MINIMUM TURN-ON GPM	CW INLET (IN)	HW OUTLET (IN)	kW	V/∅/HZ	MFGR.	MODEL	
IWH-1	WOMENS LOCKER [004]	50	110	2.0	0.30	3/4"	3/4"	20.0	480/3/60	EEMAX	ED020480T2T-ML	1,2,3,4
IWH-2	GN LOCKER [005]		105	0.35	0.20	1/2"	1/2"	3.0	277/1/60		SPEX3277T	1,2,3,4
IWH-3	JC [C14]		120	1.5	0.50	3/4"	3/4"	16.0	480/1/60		XTP016480	1,2,4
IWH-4	WELLNESS [C13]		105	0.35	0.20	1/2"	1/2"	3.0	277/1/60		SPEX3277T	1,2,3,4
IWH-5	MENS LOCKER [008]		110	2.0	0.30	3/4"	3/4"	20.0	480/3/60		ED020480T2T-ML	1,2,3,4
IWH-6	GN LOCKER [005]		120	2.0	0.50	3/4"	3/4"	16.0	480/1/60		XTP016480	1,2,4
IWH-7	M-HOLD [171]		105	0.50	0.20	1/2"	1/2"	4.1	277/1/60		SPEX4277T-ML	1,2,4,5
IWH-8	PD BIKES [187]			0.50	0.20	1/2"	1/2"	4.1	277/1/60		SPEX4277T	1,2,4
IWH-9	JC [175]		120	1.5	0.50	3/4"	3/4"	16.0	480/1/60		XTP016480	1,2,4
IWH-10	ADA TOILET [166]		105	0.50	0.20	1/2"	1/2"	4.1	277/1/60		SPEX4277T	1,2,4,5
IWH-11	PROCESSING [162]										SPEX4277T	1,2,3,4
IWH-12	TEMP [173]										SPEX4277T	1,2,4,5
IWH-13	NON-CONT [167]										SPEX4277T-ML	1,2,4,5
IWH-14	STRIP SEARCH [164]		120	2.0	0.50	3/4"	3/4"	16.0	480/1/60		XTP016480	1,2,4,5
IWH-15	J-HOLD [159]		105	0.50	0.20	1/2"	1/2"	4.1	277/1/60		SPEX4277T-ML	1,2,4,5
IWH-16	TEMP [157]										SPEX4277T	1,2,4,5
IWH-17	F BULLPEN [156]										SPEX4277T-ML	1,2,4,5
IWH-18	TOILET [151]										SPEX4277T	1,2,3,4
IWH-19	CONNECTION [150]										SPEX4277T	1,2,3,4
IWH-20	BREAK ROOM [107]		120	1.5	0.50	3/4"	3/4"	16.0	480/1/60		XTP016480	1,2,3,4
IWH-21	JC [110]										XTP016480	1,2,4
IWH-22	GC [145]		105	0.35	0.20	1/2"	1/2"	3.0	277/1/60		SPEX3277T-ML	1,2,3,4
IWH-23	REST [148]										SPEX3277T-ML	1,2,3,4
IWH-24	REST [104]										SPEX3277T-ML	1,2,4
IWH-25	TOILET [141]		110	2.0	0.30	3/4"	3/4"	20.0	480/3/60		ED020480T2T-ML	1,2,3,4
IWH-26	SALLYPORT [191]		90	2.0	0.20	3/4"	3/4"	6.0	277/1/60		SPEX06T-EE	1,2,4

NOTES:
1: REFER TO SPECIFICATIONS FOR ACCESSORIES AND ADDITIONAL INFORMATION ASSOCIATED WITH WATER HEATER.
2: WATER HEATER SHALL BE ASME STAMPED.
3: MOUNT UNDER SINK.
4: SUPPORT HEATER FROM WALL.
5: PROVIDE ACCESS PANEL FOR SERVICING HEATER.

PUMP SCHEDULE

PUMP DESIGNATION	SERVICE	GPM	FT. OF HEAD	PUMP MOTOR		ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN		NOTES
				HP	RPM	V/Ø/HZ	MFGR.	MODEL	
SP-1	DUPLEX STORM WATER PUMP	(2) 50	52	5.0	1750	480/3/60	FEDERAL PUMP	MSC-4C-5-4-3D	1,2,4,5
SP-2	ELEVATOR PIT SUMP PUMP	50.0	20	0.5	3600	120/1/60	STANCORE	SE-50	1,3,4

NOTES:
1: REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION, AND ACCESSORIES ASSOCIATED WITH PUMPS.
2: PROVIDE 48"Ø' x 7' DEEP BASIN.
3: PROVIDE 2' x 2' x 2' DEEP BASIN.
4: PROVIDE PREMIUM EFFICIENCY MOTORS.
5: PROVIDE CONTROLLER WITH AUTO TRANSFER SWITCH.

OIL AND SAND INTERCEPTOR 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	1,2,3

NOTES:
1: REFER TO SPECIFCATIONS FOR ADDITIONAL INFORMATION AND ACCESSORIES ASSOCIATED WITH TANK.
2: PROVIDE CAST IRON TANK COVERS.
3: OIL AND SAND INTERCEPTOR TO BE TRAFFIC-RATED.

SEAL

STATE OF MARYLAND — SARA PRICE — 31268 — PROFESSIONAL ENGINEER

DATE : JULY 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. 31268, EXPIRATION DATE 2027-01-18

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: IAN
DWN BY: IAN
CHKD BY: SPB

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.

R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

SCHEDULES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
836 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-843-2448 fax

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SHEET DESIGNATION	CONTRACT NUMBER
P802	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 237 OF 295
	DRAWING NUMBER
	2025 - 1128
	FILE NO.: 8 REV. 0

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 , 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
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
PS	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
L6-20R	CEILING MOUNTED RECEPTACLE; NEMA TYPE AS NOTED
2D 2V	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
OS 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
	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
	CONTACTOR, TYPE AS NOTED
	TIME CLOCK
	METER SOCKET, AS NOTED
	DISTRIBUTION PANELBOARD
,	BRANCH CIRCUIT PANELBOARD; SURFACE MOUNTED, FLUSH MOUNTED
,	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
	TRANSFORMER (INTERIOR)
	TRANSFORMER ON CONCRETE PAD (EXTERIOR)
ATS , MTS	TRANSFER SWITCH, AUTOMATIC AS INDICATED; PLAN; RISER
G	EMERGENCY GENERATOR
EGS	GENERATOR EMERGENCY STOP BUTTON
	MOTOR - HP AS NOTED

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	GROUND CONNECTION
	DUCTBANK - CONCRETE ENCASED RACEWAYS
HH	HANDHOLE, SIZE AS NOTED
H	CONDUIT OR CONDUIT AND WIRE ROUTED IN GRADE OR BELOW SLAB
DB	DIRECT BURIED UNDERGROUND CABLE OR CONDUIT AS NOTED
H	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)
H	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.

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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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 717-848-8627 voice 717-843-2448 fax

DWG. FILENAME: C:\Users\kcallison\Documents\Essex Police Station - Central File - Rvt 2021_kevincallison.rvt

SHEET DESIGNATION	CONTRACT NUMBER
E001	25022 PP0

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: 12-06-26				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 12" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
	CONTRACT COMPLETION BOX							

SEAL: STATE OF MARYLAND · DALTON J. TWARDUS · 51627 · PROFESSIONAL ENGINEER · 7/14/2025

ENGINEER:	DGN BY: KEC / DJT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
BOWMAN CONSULTING ENGINEERS	DRN BY: KEC	REVIEWED BY:							
AS-BUILT PER RECORD PRINT	CHKD BY: DJT	DATE REVIEWED:							
BY: DATE:									

DATE : JULY 14, 2025

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ELECTRICAL COVERSHEET

RENOVATION & ADDITION

SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER	SHEET 238 OF 295	DRAWING NUMBER	FILE NO.: 8	REV.
PROJ-10000636	2025 - 1129			

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 37M-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 AT3-22-L30/835-D-DIM-UNV
B2	2X4 LED TROFFER	MVOLT	RECESSED	34.2W LED 3874 LUMENS 3500K	H E WILLIAMS AT3-24-L40/835-D-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
C2	4' GASKETED & LENSED STRIP LIGHT	MVOLT	SURFACE	65W LED 8121 LUMENS 4000K	H E WILLIAMS 96-4-L81/840-HIAFR-DIM-UNV
D	6" LED ROUND RECESSED DOWNLIGHT	MVOLT	RECESSED	22.5W LED 1992 LUMENS 3500K	H E WILLIAMS 6DR-L20/835-DIM-UNV-RW-OF-WH-N-F1
D1	6" LED SQUARE RECESSED DOWNLIGHT	MVOLT	RECESSED	22.5W LED 1992 LUMENS 3500K	H E WILLIAMS 6DS-L20/835-DIM-UNV-RW-OF-WH-WET/CC-N-F1
E	LED EXIT SIGN	MVOLT	SURFACE	GREEN LED	H E WILLIAMS EXIT-G-EM-WHT-120/277
F	4' LED ROUND LENS 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 NARROW STRIP LIGHT WITH CURVED ACRYLIC LENS	MVOLT	SURFACE/SUSPENDED	18.2W/FT LED 2470 LUMENS 3500K	H E WILLIAMS 75R-2-L25/835-DIM-UNV
L	4' LINEAR RECESSED UPLIGHTING COVE FIXTURE WITH SOLID STATE LEDS, HIGH OUTPUT OPTION AND 0-10V DIMMING	MVOLT	SURFACE/COVE	27.6W LED 7129 LUMENS 3500K	ELLIPTIPAR LIGHTING S317-H-4-S-00-M-0K-O-935-ZX
L1	2' LINEAR RECESSED UPLIGHTING COVE FIXTURE WITH SOLID STATE LEDS, HIGH OUTPUT OPTION AND 0-10V DIMMING	MVOLT	SURFACE/COVE	27.6W LED 7129 LUMENS 3500K	ELLIPTIPAR LIGHTING S317-H-2-S-00-M-0K-O-935-ZX

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLT	MOUNTING	LAMPS	MANUFACTURER/MODEL #
S1	SINGLE LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 3 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TIIIC-4000K-BASE COVER-NERI GRAY
S2	BACK TO BACK LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 3 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S3	SINGLE LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 4 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S4	BACK TO BACK LED EXTRUDED ALUMINUM POLE MOUNTED FIXTURE WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 4 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S5	DECORATIVE LED POLE LIGHTING FIXTURE WITH CAST ALUMINUM FIXTURE HEAD, OPAL TRANSLUCENT UV STABILIZED DIFFUSER, BLACK FINISH AND 0-10V DIMMING	MVOLT	10' - 4" ROUND POLE	33W LED 2812 LUMENS 3500K	LUMINUS LIGHTING EC610-L1L30-277-SD20-LV3-PT4-BKT
T	ACOUSTICAL TILE T-BAR LINEAR LED LIGHTING	MVOLT	SURFACE	4W/FT LED 486 LUMENS/FT 3500K	GOLDENEYE AL-0/5-SC-24-M-35K-80+-X
T1	SURFACE MOUNTED LINEAR DIRECT LED FIXTURE WITH OPTIONAL PERFORMANCE ENS AND 0-10V DIMMING	120/277	SURFACE	5W/FT LED 629 LUMENS/FT 3500K	AMERLUX CARISMA 2" CAR2-D-PL-SM-5-35-HW-120/277-8'-IND-0-10V
V	LINEAR LED CANOPY LIGHTING FIXTURE, WET LOCATION RATED	MVOLT	SURFACE/WALL	28.3W LED 2683 LUMENS 3500K	PAL LIGHTING ML3WL66-D-HO-K35-80-4-W-VR-F11T-EF-UNV-DIMX
W	ARCHITECTURAL WALL PACK IN VERTICAL CONFIGURATION WITH MICRO PRISMATIC GLASS LENS AND INTEGRAL PHOTOCELL	MVOLT	WALL MOUNTED ABOVE DOOR	16W LED 1700 LUMENS 4000K	H E WILLIAMS VWMV-L17/840-TL-BLK-SDGL-PC-UNIV
W1	ARCHITECTURAL WALL PACK IN HORIZONTAL CONFIGURATION WITH CLEAR TEMPERED GLASS LENS AND INTEGRAL PHOTOCELL	MVOLT	WALL MOUNTED @ 8' AFG	27W LED 2000 LUMENS 4000K	H E WILLIAMS VWMH-L20/830-T3-BLK-CGL-PC-UNV
X	FLAG POLE LED SPOTLIGHT	MVOLT	IN-GRADE	27W LED 2787 LUMENS 4000K	HEPER LIGHTING LF8018.694-US-N-700-840-0NOFF-HM1
Y	IN GRADE MONUMENT SIGN LIGHTING	MVOLT	SURFACE	5W/FT LED 445 LUMENS/FT 3500K	ALUZ A4-ZERA-ING-ASM-STS-30K-5W-IP67-UNV-16'

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4614 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6627 voice 717-845-3449 fax

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DWG. FILENAME:

SEAL: STATE OF MARYLAND · DENTON J. TWARDUS · 21621 · PROFESSIONAL ENGINEER · 7/14/2025
DATE: JULY 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 12-06-26
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: KEC/DJT
DWN BY: KEC
CHKD BY: DJT

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

KEY SHEET: ISW
POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

PLAN SCALE: 12" = 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:

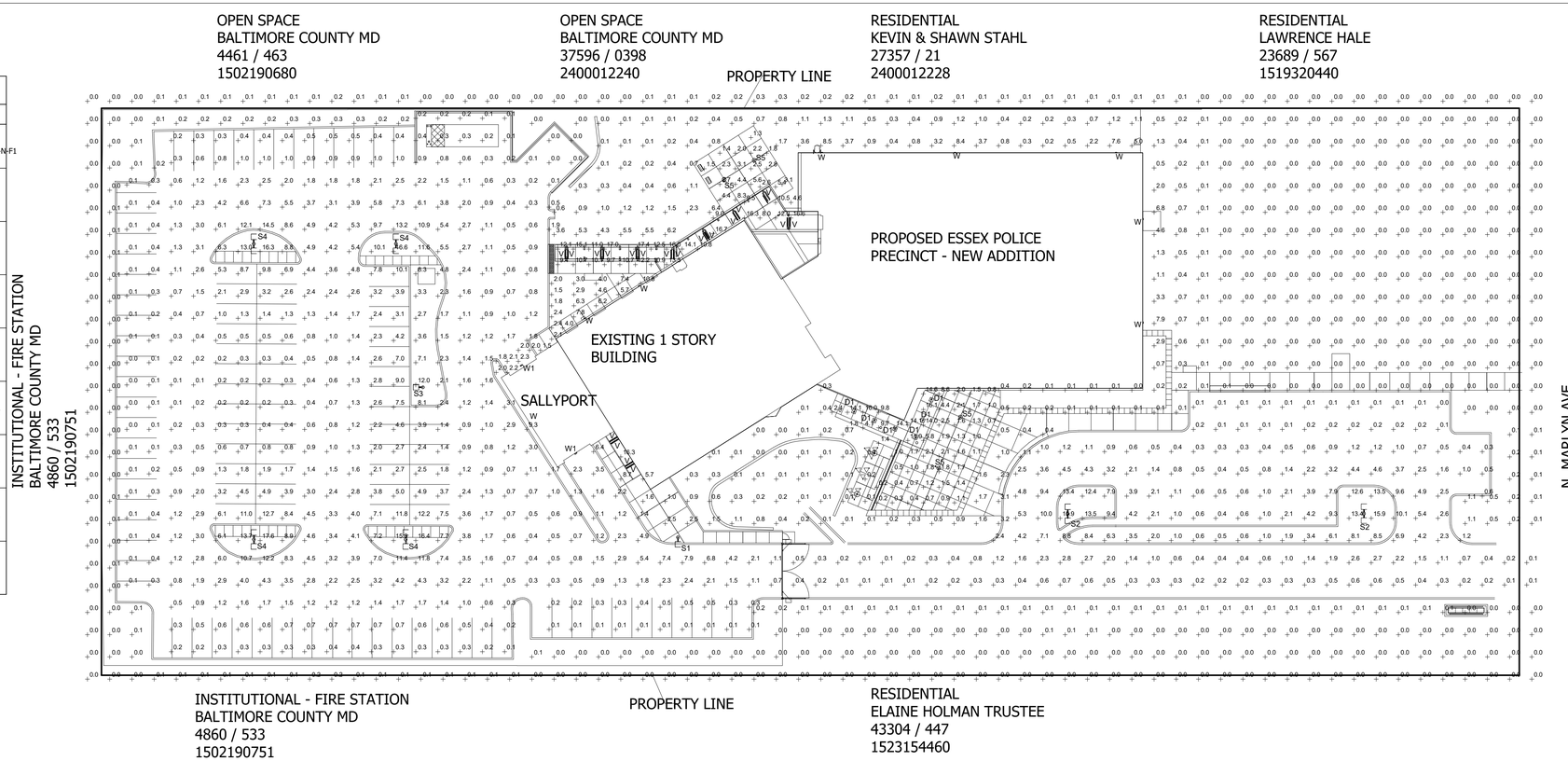
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
LIGHT FIXTURE SCHEDULE
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E002	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 239 OF 295
	DRAWING NUMBER
	2025 - 1130
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

LIGHT FIXTURE SCHEDULE

TYPE		VOLT	MOUNTING	LAMPS	MANUFACTURER/MODEL #
D1	6" LED SQUARE RECESSED DOWNLIGHT	MVOLT	RECESSED	22.5W LED 1992 LUMENS 3500K	H E WILLIAMS 6DS-L20/835-DIM-UNV-RW-OF-WH-WET/CC-N-F1
S1	SINGLE LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 3 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-1-FLANGE-TIIIC-4000K-BASE COVER-NERI GRAY
S2	BACK TO BACK LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 3 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S3	SINGLE LED EXTRUDED ALUMINUM LAMP POST WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 4 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S4	BACK TO BACK LED EXTRUDED ALUMINUM POLE MOUNTED FIXTURE WITH HAND HOLE, PRISMATIC TEMPERED GLASS, WHITE INTERNAL REFLECTOR, TYPE 4 DISTRIBUTION AND NERI GREY COLOR	277V	16' POLE	88.6W LED 12000 LUMENS 4000K	NERI PICTOR-16' 4 3/4"-2-FLANGE-TIVC-4000K-BASE COVER-NERI GRAY
S5	DECORATIVE LED POLE LIGHTING FIXTURE WITH CAST ALUMINUM FIXTURE HEAD, OPAL TRANSLUCENT UV STABILIZED DIFFUSER, BLACK FINISH AND 0-10V DIMMING	MVOLT	10' - 4" ROUND POLE	33W LED 2812 LUMENS 3500K	LUMINUS LIGHTING EC610-L1L3D-277-SD20-LV3-PT4-BKT
V	LINEAR LED CANOPY LIGHTING FIXTURE, WET LOCATION RATED	MVOLT	SURFACE/WALL	28.3W LED 2683 LUMENS 3500K	PAL LIGHTING ML3WL66-D-HO-K35-80-4-W-VR-F11T-EF-UNV-DIMX
W	ARCHITECTURAL WALL PACK IN VERTICAL CONFIGURATION WITH MICRO PRISMATIC GLASS LENS AND INTEGRAL PHOTOCELL	MVOLT	WALL MOUNTED ABOVE DOOR	16W LED 1700 LUMENS 4000K	H E WILLIAMS VWMV-L17/840-TL-BLK-SDGL-PC-UNIV
W1	ARCHITECTURAL WALL PACK IN HORIZONTAL CONFIGURATION WITH CLEAR TEMPERED GLASS LENS AND INTEGRAL PHOTOCELL	MVOLT	WALL MOUNTED @ 8' AFG	27W LED 2000 LUMENS 4000K	H E WILLIAMS VWMH-L20/830-T3-BLK-CGL-PC-UNV



ESSEX POLICE PRECINCT -11 SITE LIGHTING CALCULATIONS

SCALE: 1"=30'-0"

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #8	+	0.4 fc	9.8 fc	0.0 fc	N/A	N/A
Front Canopy Lighting	+	8.4 fc	15.8 fc	0.9 fc	17.6:1	9.3:1
Front Entrance Plaza Lighting	+	3.0 fc	17.4 fc	0.1 fc	174.0:1	30.0:1
Parking Lot	+	2.3 fc	18.3 fc	0.0 fc	N/A	N/A
Patio Lighting	+	2.9 fc	8.1 fc	1.0 fc	8.1:1	2.9:1
Rear Canopy Lighting	+	11.1 fc	19.3 fc	3.2 fc	6.0:1	3.5:1
Yard	+	4.0 fc	10.8 fc	1.5 fc	7.2:1	2.7:1

GENERAL NOTES:

1. THIS DRAWING IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE USED FOR BIDDING OR CONSTRUCTION.
2. POLE AND/OR BUILDING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED AT 90 DEGREES TO THE POLE OR BUILDING WALL THEY ARE MOUNTED TO.

SCALE: 1" = 30'

30 0 30

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DWG. FILENAME: C:\Users\kcallison\Documents\Essex Police Station - Central File - Rvt 2021_kevincallison.rvt

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 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DATE: JULY 14, 2025

DGN BY: KEC/DJT 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.	ISW	7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT — APPROVED BY: PROPERTY MANAGER DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ELECTRICAL SITE LIGHTING CALCULATIONS

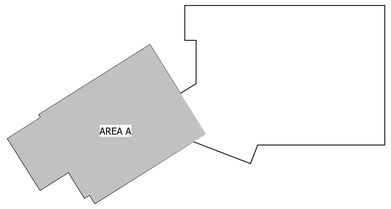
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E003	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 240 OF 295	
DRAWING NUMBER	
2025 - 1131	
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE

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-XX.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LSEL-XX.



BASEMENT PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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SEAL: STATE OF MARYLAND · DALTON J. TWARDOSZ · 51627 · PROFESSIONAL ENGINEER · 7/14/2025

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 ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE: 12-06-26			
	CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	1/8" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

ENGINEER: BOWMAN CONSULTING ENGINEERS	DGN BY: KC/DJT	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:									

DATE: JULY 14, 2025

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

BASEMENT PLAN - LIGHTING

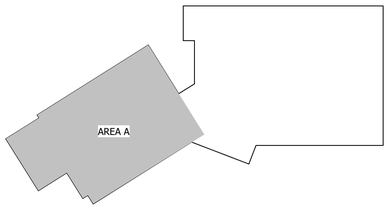
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E201	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 241 OF 295	
DRAWING NUMBER	2025 - 1132
FILE NO.: 8	REV. 0



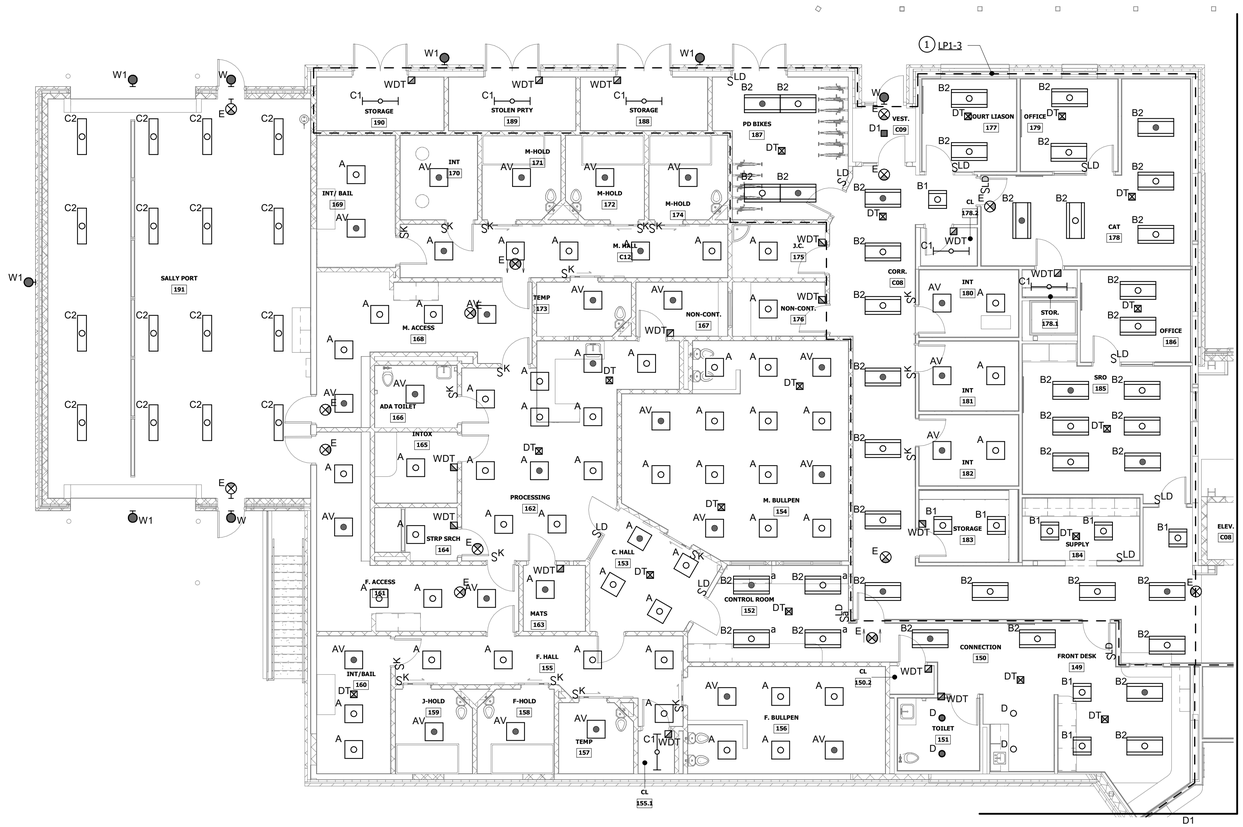
KEY PLAN
SCALE: NONE

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 LSEL-2.

DRAWING NOTES

(1) ALL NORMAL (NON-SHADED) LIGHTING WITHIN THIS CALL OUT SHALL BE CONNECTED TO NOTED CIRCUIT.



FIRST FLOOR LIGHTING - WING A
SCALE: 1/8" = 1'-0"

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SCALE: 1/8" = 1'-0"
8 0 8 16

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228 West Market Street, York, Pennsylvania 17401
717-848-8827 voice 717-843-2448 fax

SEAL: STATE OF MARYLAND · DALTON T. TWARDOY · 51627 · 7/14/2025 · PROFESSIONAL ENGINEER

DATE: JULY 14, 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 ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 51627, EXPIRATION DATE: 12-06-26				
ENGINEER: BOWMAN CONSULTING ENGINEERS	DGN BY: KEC/DJT			
AS-BUILT PER RECORD PRINT	DWN BY: KEC			
BY: DATE:	CHKD BY: DJT			

P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	1/8" = 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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR LIGHTING - WING A

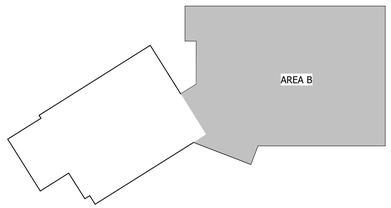
RENOVATION & ADDITION

SUBDIVISION: ESSEX

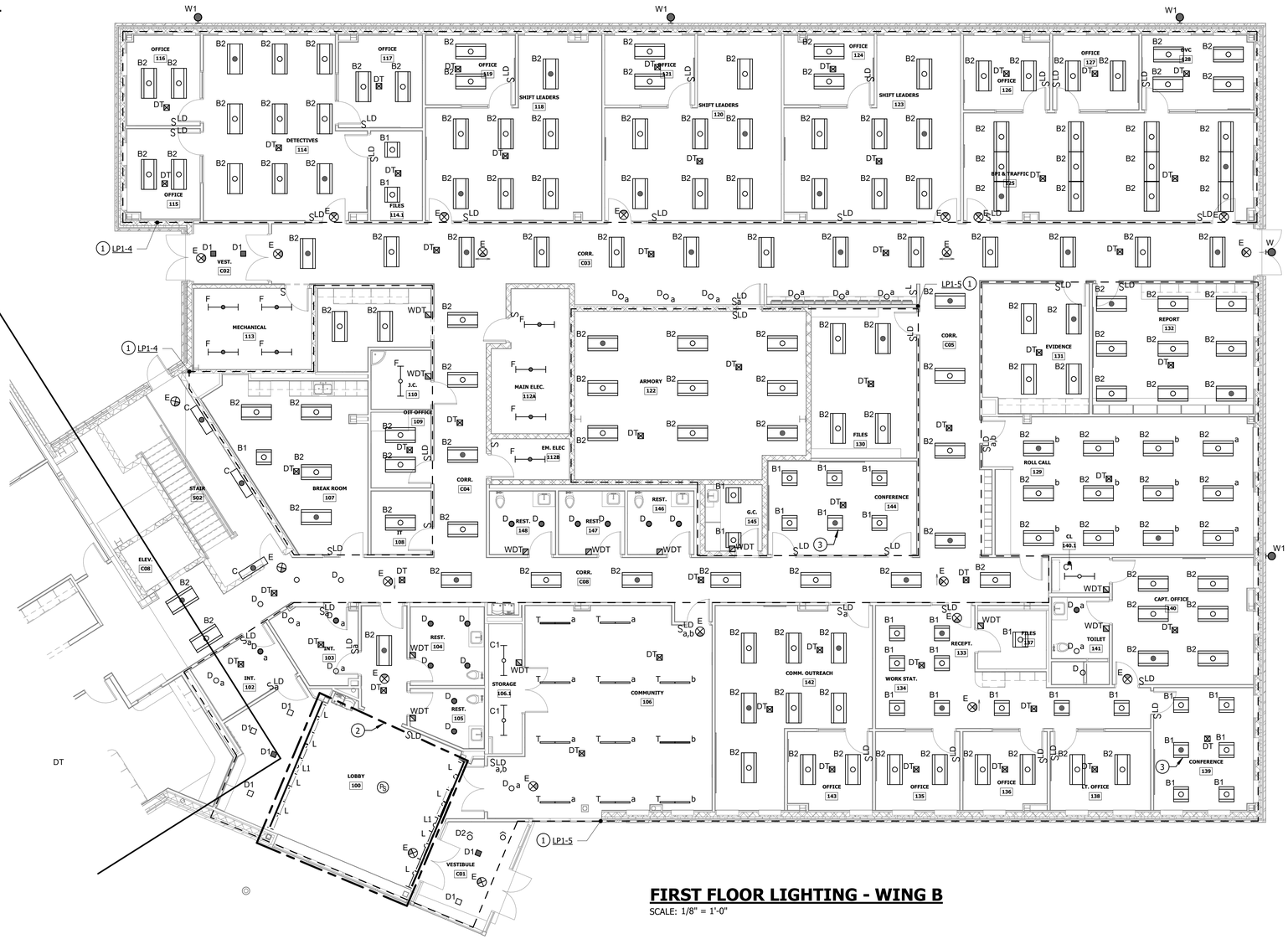
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E202	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 242 OF 295	
DRAWING NUMBER	
2025 - 1133	
FILE NO.: 8	REV. 0



KEY PLAN
SCALE: NONE



FIRST 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 LP1-3.
6. UNLESS NOTED OTHERWISE, ALL EXIT AND EMERGENCY LIGHTING (SHADED) FIXTURES ON THIS SHEET SHALL BE CONNECTED TO CIRCUIT LSEL-3.

DRAWING NOTES

1. ALL NORMAL (NON-SHADED) LIGHTING WITHIN THIS CALL OUT SHALL BE CONNECTED TO NOTED CIRCUIT.
2. LIGHTING FIXTURES IN THIS AREA CONTROLLED AND DIMMED BY AUTO DAYLIGHT HARVESTING SYSTEM.
3. PROVIDE EMERGENCY BYPASS UNIT FOR FIXTURE CONTROLLED BY ROOM SWITCH TO OVERRIDE SWITCH AND OPERATE DURING EMERGENCY CONDITION.

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226 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-845-2446 fax

SCALE: 1/8" = 1'-0"
8 0 8 16

SHEET DESIGNATION	CONTRACT NUMBER
E203	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 243 OF 295
	DRAWING NUMBER
	2025 - 1134
	FILE NO.: 8 REV. 01.22

SEAL: STATE OF MARYLAND · STEVEN J. TWARDUSZ · 51627 · 7/14/2025 · 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. 51627 EXPIRATION DATE: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY: DATE:
DATE : JULY 14, 2025

DGN BY: KEC/DJT
DRN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

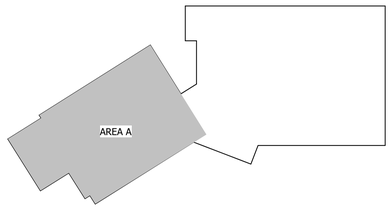
P.W.A. NO. | R.O.W. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

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
ESSEX POLICE PRECINCT - 11
FIRST FLOOR LIGHTING - WING B
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7



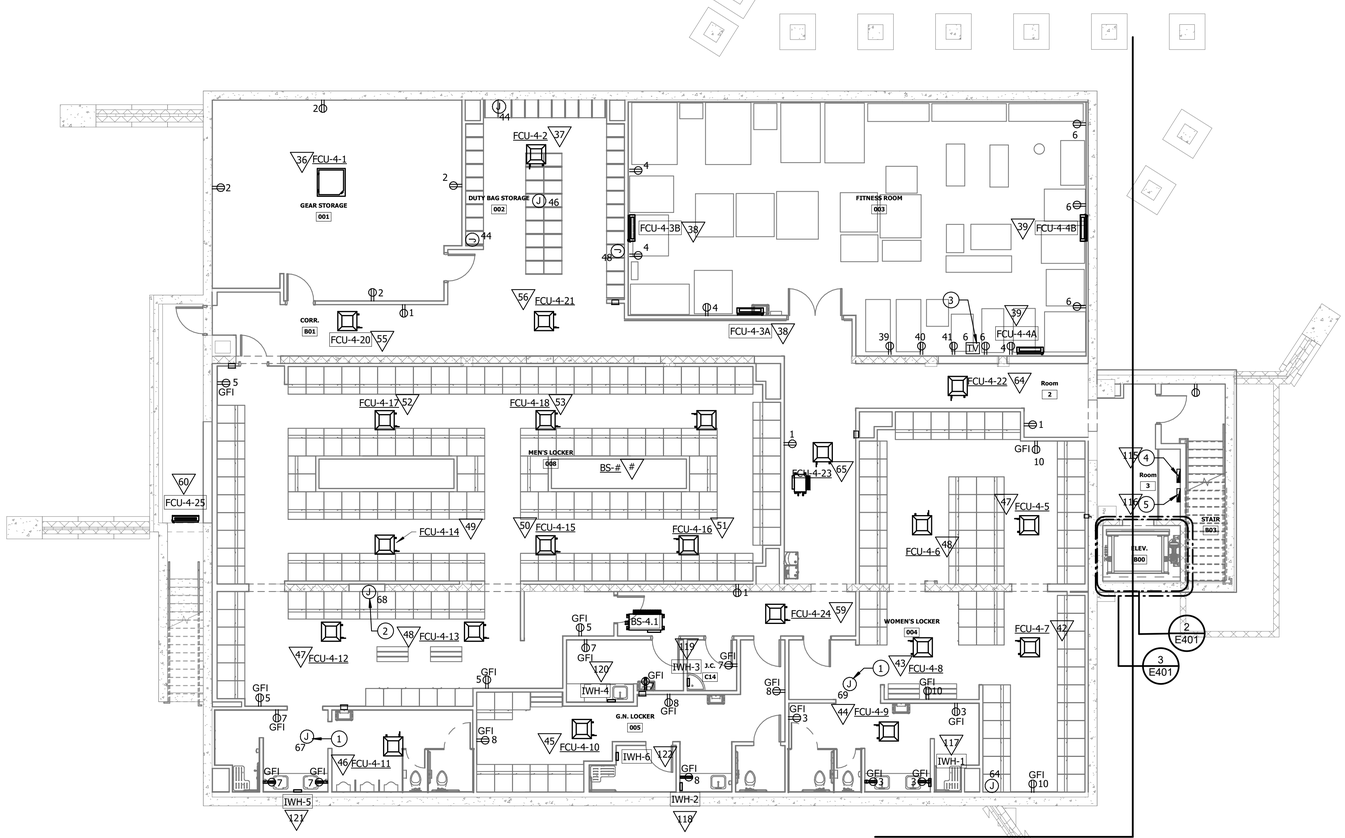
KEY PLAN
SCALE: NONE

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP2, 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. PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION OF REST ROOM SINK AND LAV SENSOR TRANSFORMERS. TRANSFORMERS PROVIDED BY MECHANICAL. EC SHLL CONNECT TRANSFORMER AND PROVIDE ALL LOW VOLTAGE WIRING DOWN TO PLUMBING FIXTURE SENSORS FOR A COMPLETE SYSTEM. COORDINATE ALL SENSOR LOCATIONS WITH MECHANICAL.
2. TRAP PRIMER CONNECTION. COORDINATE EXACT LOCATION WITH MECHANICAL.
3. PROVIDE RECESSED LOW VOLTAGE/ELECTRICAL AV WALL BOX FOR POWER AND LOW VOLTAGE CONNECTIONS TO DISPLAY UNITS. COORDINATE EXACT LOCATIONS WITH OWNERS AND ARCHITECTS PRIOR TO ROUGH-IN OF BOX. PROVIDE 1 1/4" EMPTY CONDUIT FROM BOX TO CEILING CAVITY FOR L.V. CABLING. PROVIDE PULL CORD IN EMPTY CONDUIT.
4. ELEVATOR PIT OIL MINDER CONTROL PANEL SP-1. COORDINATE EXACT LOCATION WITH MECHANICAL AND ELEVATOR MANUFACTURER.
5. ELEVATOR PIT SUMP PUMP CONTROL PANEL SP-2. COORDINATE EXACT LOCATION WITH MECHANICAL AND ELEVATOR MANUFACTURER.



BASEMENT PLAN - POWER
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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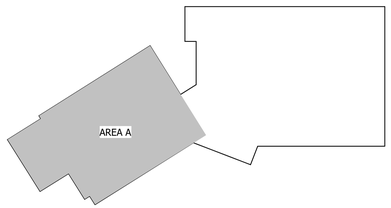
Murphy & Dittenhafer ARCHITECTS
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229 West Market Street, York, Pennsylvania 17401 717-846-8627 voice 717-840-2446 fax

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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 12-06-26				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
7/14/2025	ENGINEER: BOWMAN CONSULTING ENGINEERS	CONTRACT COMPLETION BOX							
	AS-BUILT PER RECORD PRINT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DATE: JULY 14, 2025	BY: DATE:	DGN BY: KEC/DJT DRN BY: KEC CHKD BY: DJT REVIEWED BY: DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
BASEMENT PLAN - POWER
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E301	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET	SHEET 244 OF 295
DRAWING NUMBER	2025 - 1135
FILE NO.: 8	REV.



KEY PLAN
SCALE: NONE

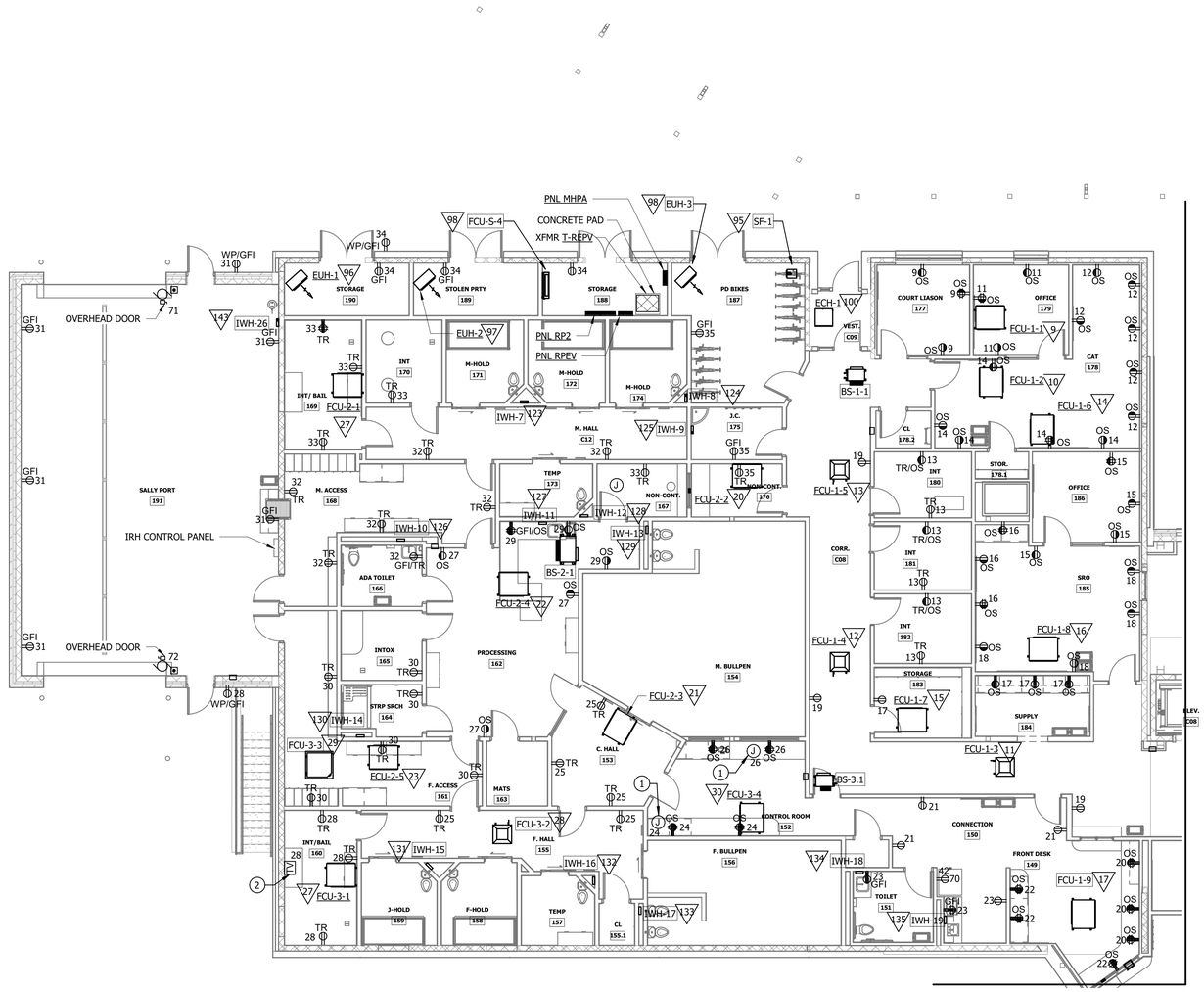
GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL DEVICES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANEL RP2, 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) PROVIDE POWER IN CEILING FOR CONNECTION OF CEILING MOUNTED DISPLAY UNITS. SUPPORT DEVICES FROM STRUCTURE ABOVE. COORDINATE EXACT LOCATIONS WITH OWNER, ARCHITECT AND LOW VOLTAGE.

(2) PROVIDE RECESSED LOW VOLTAGE/ELECTRICAL AV WALL BOX FOR POWER AND LOW VOLTAGE CONNECTIONS TO DISPLAY UNITS. COORDINATE EXACT LOCATIONS WITH OWNERS AND ARCHITECTS PRIOR TO ROUGH-IN OF BOX. PROVIDE 1 1/4" EMPTY CONDUIT FROM BOX TO CEILING CAVITY FOR L.V. CABLING. PROVIDE PULL CORD IN EMPTY CONDUIT.



FIRST FLOOR POWER - WING A

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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DWG. FILENAME: C:\Users\kedillson\Documents\Essex Police Station - Central File - Rvt 2021_kevinedillson.rvt

SEAL: STATE OF MARYLAND — KEVIN EDWARD DILLSON — 21621 — 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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE: JULY 14, 2025

DGN BY: KEC/DJT
DRN BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | R.O.W NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

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

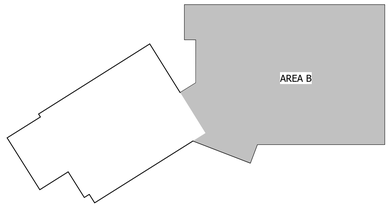
ESSEX POLICE PRECINCT - 11

FIRST FLOOR POWER - WING A

RENOVATION & ADDITION

SUBDIVISION: ESSEX | 216 & 222 North Marlyn Ave, Essex, MD 21221 | ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E302	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 245 OF 295	
DRAWING NUMBER	2025 - 1136
FILE NO.: 8	REV. 07/25



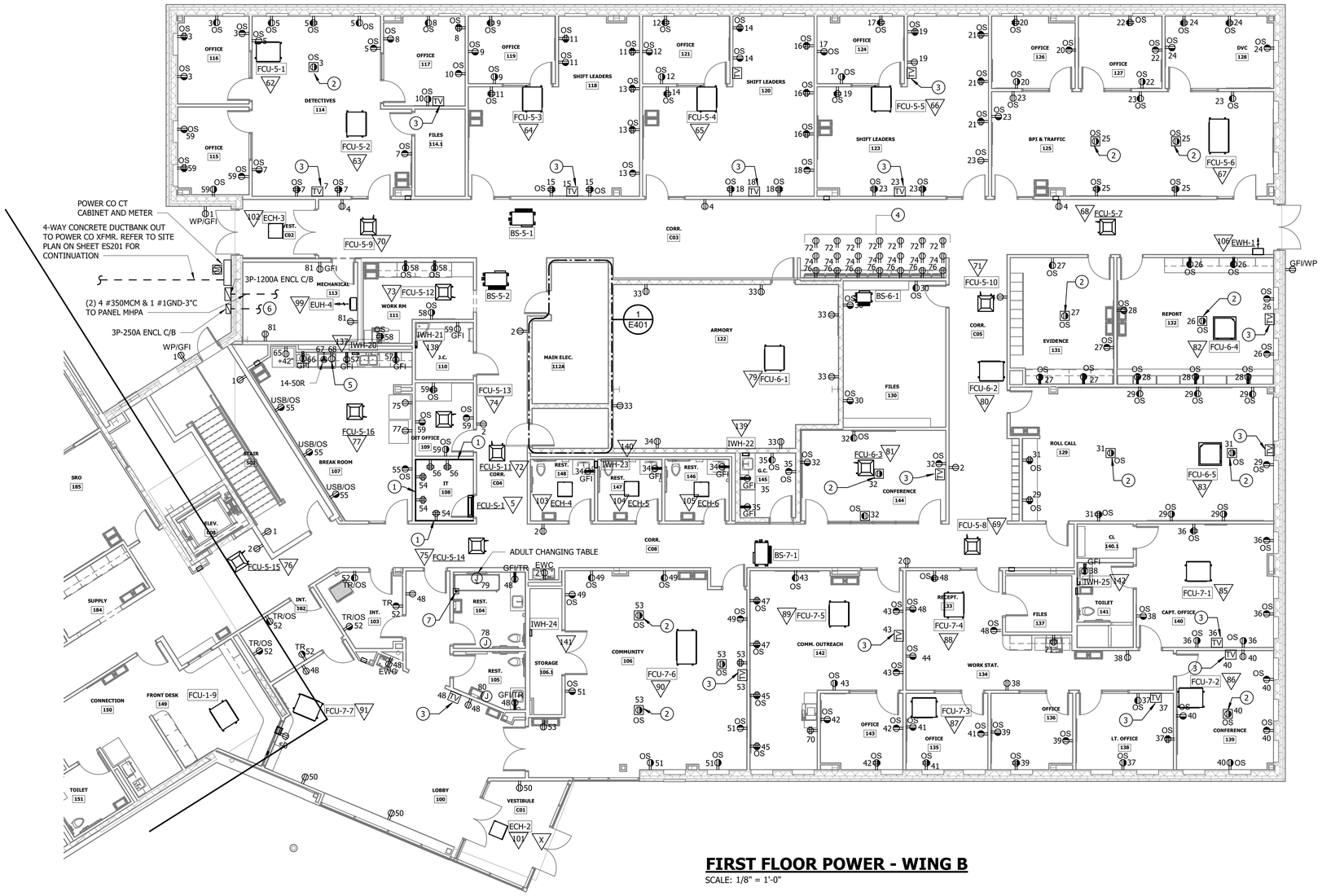
KEY PLAN
SCALE: NONE

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. PROVIDE 3/4" FIRE RESISTANT PLYWOOD BACKBOARD FROM FLOOR TO CEILING. COORDINATE WITH IT CONSULTANAT.
2. 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.
3. PROVIDE RECESSED LOW VOLTAGE/ELECTRICAL AV WALL BOX FOR POWER AND LOW VOLTAGE CONNECTIONS TO DISPLAY UNITS. COORDINATE EXACT LOCATIONS WITH OWNERS AND ARCHITECTS PRIOR TO ROUGH-IN OF BOX. PROVIDE 1 1/4" EMPTY CONDUIT FROM BOX TO CEILING CAVITY FOR L.V. CABLING. PROVIDE PULL CORD IN EMPTY CONDUIT.
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.
5. PROVIDE RECEPTACLE IN CABINERTY ABOVE FOR CONNECTION OF MICROWAVE/HOOD. COORDINATE EXACT LOCATION WITH ARCHITECTURAL.
6. 4 #250MCM & 1 #4GND - 2 1/2"C TO ATS-LS IN EMERGENCY ELECTRICAL ROOM.
7. ADULT CHANGING TABLE EMERGENCY STOP BUTTON. M.H.32"AFF.



FIRST FLOOR POWER - WING B
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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229 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-845-2446 fax

SEAL: STATE OF MARYLAND — STEVEN J. TWO HAWKS — 21621 — 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. 51627 EXPIRATION DATE: 12-06-26
7/14/2025
ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY: DATE:
DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE: PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER DATE:

DGN BY: KEC/DJT DWN 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

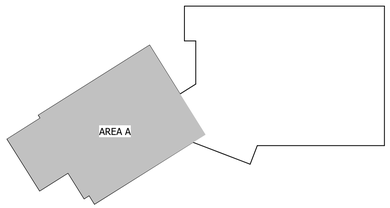
ESSEX POLICE PRECINCT - 11

FIRST FLOOR POWER - WING B

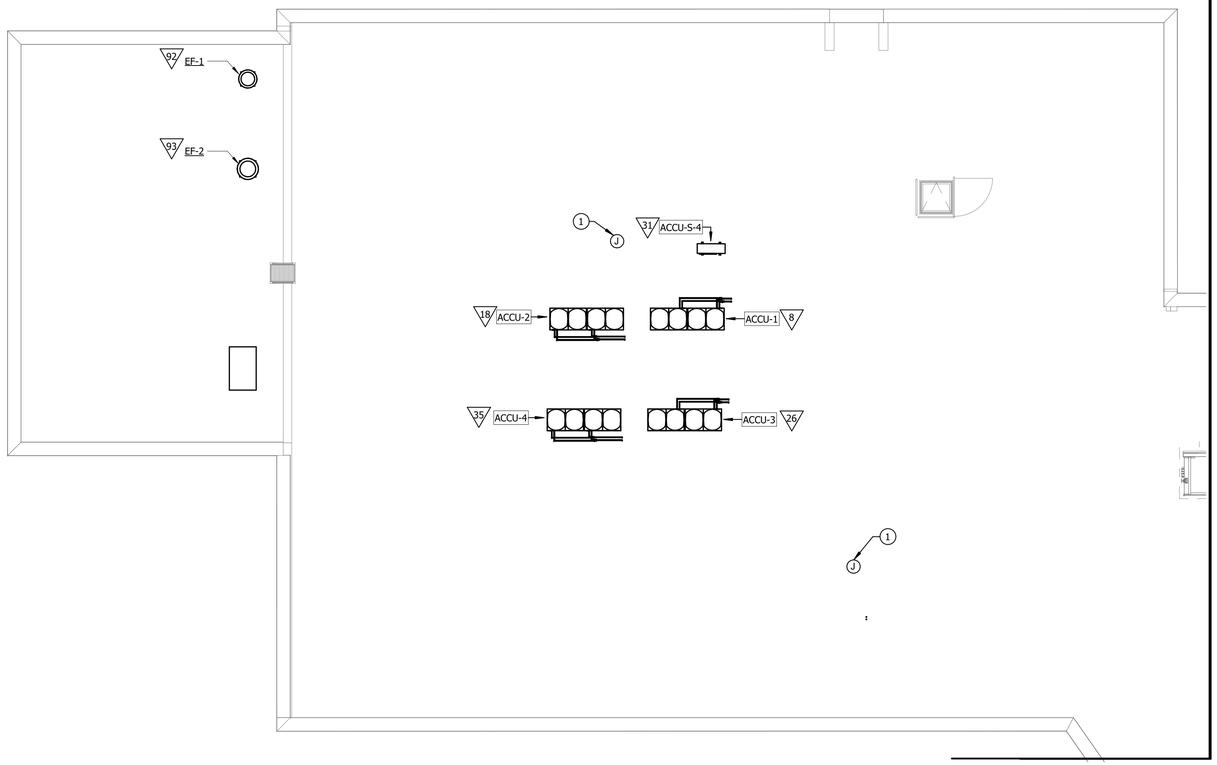
RENOVATION & ADDITION

SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E303	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 246 OF 295	
DRAWING NUMBER	2025 - 1137
FILE NO.: 8	REV. 07/22



KEY PLAN
SCALE: NONE



ROOF - POWER -WING A
SCALE: 1/8" = 1'-0"

DRAWING NOTES

1. FOR CONNECTION OF FUTURE RADON FAN. PROVIDE 1" CONDUIT WITH PULL STRING ROUTED TO PANEL RP2.

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SCALE: 1/8" = 1'-0"
8 0 8 16

DWG. FILENAME: C:\Users\kcallison\Documents\Essex Police Station - Central File - Rvt 2021_kcvincallison.rvt

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND DALTON L. TWARDOY 21627 PROFESSIONAL ENGINEER 7/14/2025	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 12-06-26					7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
DATE: JULY 14, 2025	ENGINEER: BOWMAN CONSULTING ENGINEERS AS-BUILT PER RECORD PRINT BY: DATE:	CONTRACT COMPLETION BOX			R.O.W NO.	ISW			
	DGN BY: Designer DWN BY: Author CHKD BY: Checker	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

ESSEX POLICE PRECINCT - 11

ROOF PLAN - POWER - WING A

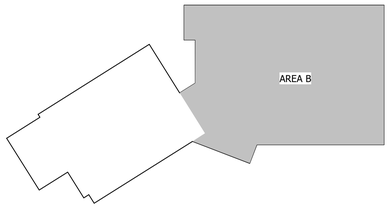
RENOVATION & ADDITION

SUBDIVISION: ESSEX

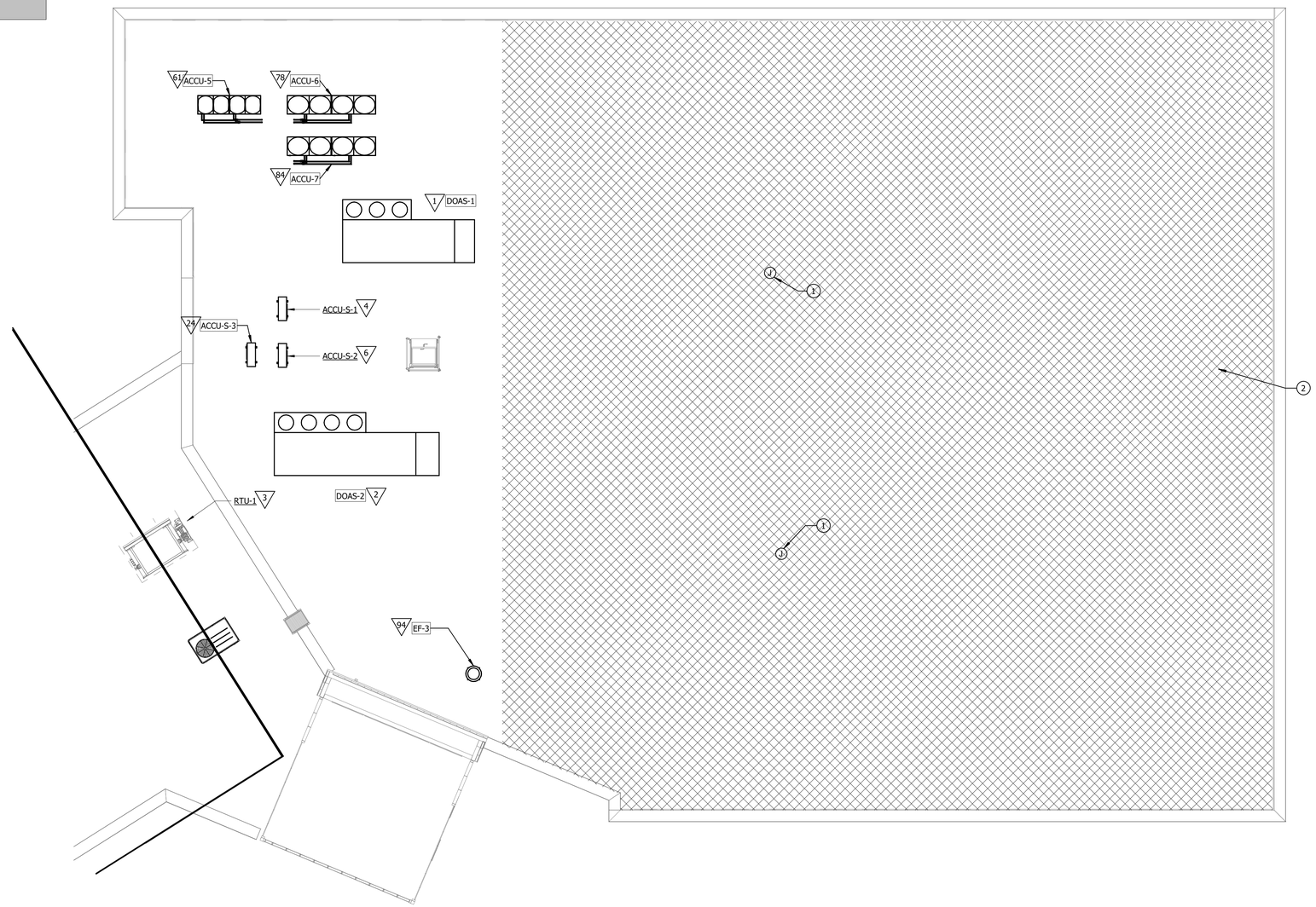
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E304	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 247 OF 295	
DRAWING NUMBER	2025 - 1138
FILE NO.: 8	REV. 0.0.00



KEY PLAN
SCALE: NONE



GENERAL NOTES

1. PV ARRAY SHALL BE COORDINATED WITH ROOF DRAWINGS, MECHANICAL EQUIPMENT, RADON PIPING, ETC. IN FIELD PRIOR TO ROUGH-IN.

DRAWING NOTES

1. FOR CONNECTION OF FUTURE RADON FAN. PROVIDE 1" CONDUIT WITH PULL STRING ROUTED TO PANEL MRP.
2. AREA OF PHOTOVOLTAICS. APPROXIMATELY 207KW TOTAL POWER. PROVIDE ALL COMPONENTS OF A PHOTOVOLTAICS SYSTEMS FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ROOF - POWER - WING B
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
8 0 8 16

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DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
E305	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 248 OF 295
	DRAWING NUMBER
	2025 - 1139
	FILE NO.: 8 REV. 07/25

SEAL: STATE OF MARYLAND — DANTON J. TWARDUS — 51627 — 7/14/2025 — PROFESSIONAL ENGINEER

DATE : JULY 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 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: Designer
DRN 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.	ISW	7NE28 7NE29 8NE28 8NE29

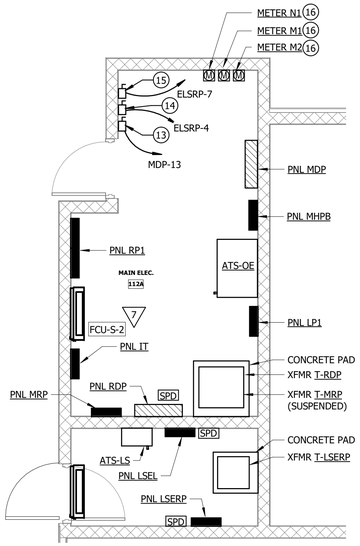
DRAWING SCALE
PLAN SCALE: 1/8" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

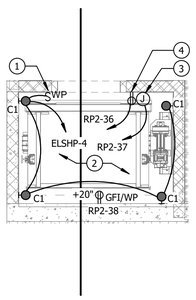
BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
ESSEX POLICE PRECINCT - 11
ROOF PLAN - POWER - WING B
RENOVATION & ADDITION
216 & 222 North Marlyn Ave, Essex, MD 21221
SUBDIVISION: ESSEX
ELECTION DIST. NO.: 15C7

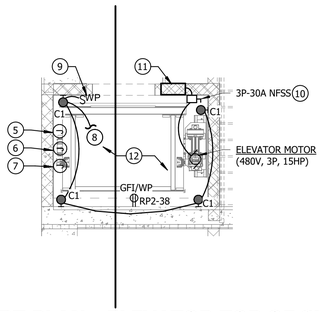
BALTIMORE COUNTY MARYLAND



1 / E401 **PART PLAN - MAIN ELECTRIC ROOM**
SCALE: 1/4" = 1'-0"



2 **PART PLAN - ELEVATOR PIT**
SCALE: 1/4" = 1'-0"



3 **PART PLAN - ELEVATOR TOP OF SHAFT**
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL ELEVATOR FEEDER CONDUCTORS SHALL BE COPPER ONLY, PER MANUFACTUIRER'S 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 ROUGHIN.
4. ALL PENETRATIONS OF ELEVATOR SHAFT AND CONTROL ROOM WALLS SHALL BE SEALED WITH FIRE STOP SEALANT.
5. ALL LIGHTING IN ELEVATOR SHAFT AND PIT SHALL BE CONNECTED AHEAD OF ANY GFCI PROTECTION.
6. COORDINATE ALL PIT/SHAFT DEVICES INCLUDING SWITCHES, OUTLETS, WITH LADDERS, ELEVATOR BEAMS, TRAVEL CABLES, ETC.

DRAWING NOTES

1. SWITCH SHALL CONTROL LIGHTING IN PIT ONLY.
2. MOUNT LIGHTS TO PROVIDE A MINIMUM OF 19FC IN PIT MACHINE SPACE. MOUNT LIGHTS VERTICALLY AT 4' ABOVE PIT FLOOR LANDING TO CENTER OF FIXTURES.
3. FOR CONNECTION OF ELEVATOR SUMP PUMP SP-2. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR/ELEVATOR INSTALLER PRIOR TO ROUGH-INS.
4. FOR ELEVATOR SUMP PUMP SP-2 CONTROLLER. COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR/ELEVATOR INSTALLER PRIOR TO ROUGH-INS.
5. FOR ELEVATOR CAB LIGHTING TRAVELING CABLE CONNECTION. COORDINATE LOCATION WITH ELEVATOR INSTALLER.
6. FOR ELEVATOR TELEPHONE TRAVELING CABLE CONNECTION. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
7. FOR ELEVATOR COMMUNICATION DEVICE. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
8. DOWN TO LIGHTING IN ELEVATOR PIT.
9. SWITCH SHALL CONTROL LIGHTS AT TOP OF SHAFT ONLY.
10. LOCATE ELEVATOR DISCONNECT IN NEMA 12 ENCLOSURE AND SHALL BE MOUNTED 5' AFF. COORDINATE EXACT LOCATION WITH ELEVATOR MOTOR, CONTROLS AND ELEVATOR INSTALLER.
11. ELEVATOR CONTROLLER PROVIDED BY ELEVATOR MANUFACTURER LOCATED IN SHAFT WALL. PROVIDE WIRING AND CONDUIT FROM ELEVATOR CONTROLLER TO ASSOCIATED EQUIPMENT DISCONNECTS IN ELEVATOR SHAFT PER MANUFACTURER'S REQUIREMENTS. IN ADDITION, CONNECT CONTROLLER TO JUNCTION BOX FOR CAB LIGHTING TRAVELING CABLE CONNECTION AND JUNCTION BOX FOR ELEVATOR SYSTEM COMMUNICATION DEVICE IN ELEVATOR SHAFT AS REQUIRED BY MANUFACTURER. COORDINATE LOCATION OF CONTROLLER IN SHAFT WITH ELEVATOR INSTALLER.
12. ALL DEVICES AND EQUIPMENT ON THIS PLAN SHALL BE LOCATED AT OR NEAR TOP OF SHAFT FOR MACHINE SPACE. COORDINATE LOCATIONS AND/OR MOUNTING HEIGHTS WITH ELEVATOR MANUFACTURER AND SHAFT CATWALK PRIOR TO ROUGH-IN. MOUNT LIGHTS VERTICALLY 2' BELOW TOP OF SHAFT TO PROVIDE A MINIMUM OF 19FC IN MACHINE SPACE.
13. PROVIDE 3P-30A FSS (F@25A) IN NEMA 1 ENCLOSURE FOR ELEVATOR MOTOR WITH EXTERNAL HANDLE DISCONNECT LOCAKABLE IN THE "OFF" POSITION ONLY. PROVIDE 3 #10 & 1 #10GND.-3/4" CONDUIT TO ELEVATOR CONTROLLER. PROVIDE ENGRAVED PHENOLIC LABEL INDICATING "ELEVATOR MAIN DISCONNECT".
14. 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".
15. 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".
16. ASHRAE 90.1 REQUIRED ENERGY MONITORING EQUIPMENT. REFER TO SHEET E-502 FOR ADDITIONAL INFORMATION.

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SCALE: 1/8" = 1'-0"
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228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

SEAL: STATE OF MARYLAND · DALTON T. TWARDOSZ · 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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS
AS-BUILT PER RECORD PRINT
BY:
DATE: JULY 14, 2025

DGN BY: KEC/DJT
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

PART PLANS - ELECTRICAL

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
E401	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 249 OF 295	
DRAWING NUMBER	2025 - 1140
FILE NO.: 8	REV. 0

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	(5) 4"	
3	3P-1200A ECB (TROUGH)	ATS-OE	4	4	#500MCM	#3/0	(6) 3"	
4	3P-1200A ECB (GENERATOR)	ATS-OE	4	4	#500MCM	#3/0	(5) 4"	
5	ATS-OE	SWBD MDP	4	4	#500MCM	#3/0	(6) 3"	
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	-	SHEATHED MINERAL INSULATED CABLING
10	ATS-LS	PANEL ELSHP	1	4	#1	#6	1-1/2"	
11	XFMR T-ELSRP	PANEL ELSRP	1	4	#6	#8	1"	
12	XFMR T-RDP	PANEL RDP	2	4	#500MCM	#1/0	(2) 4"	
13	XFMR T-RPEV	PANEL RPEV	1	4	#1/0	#6	2"	
14	XFMR T-MRP	PANEL MRP	1	4	#250MCM	#2	2-1/2"	
15								

TRANSFORMER SCHEDULE

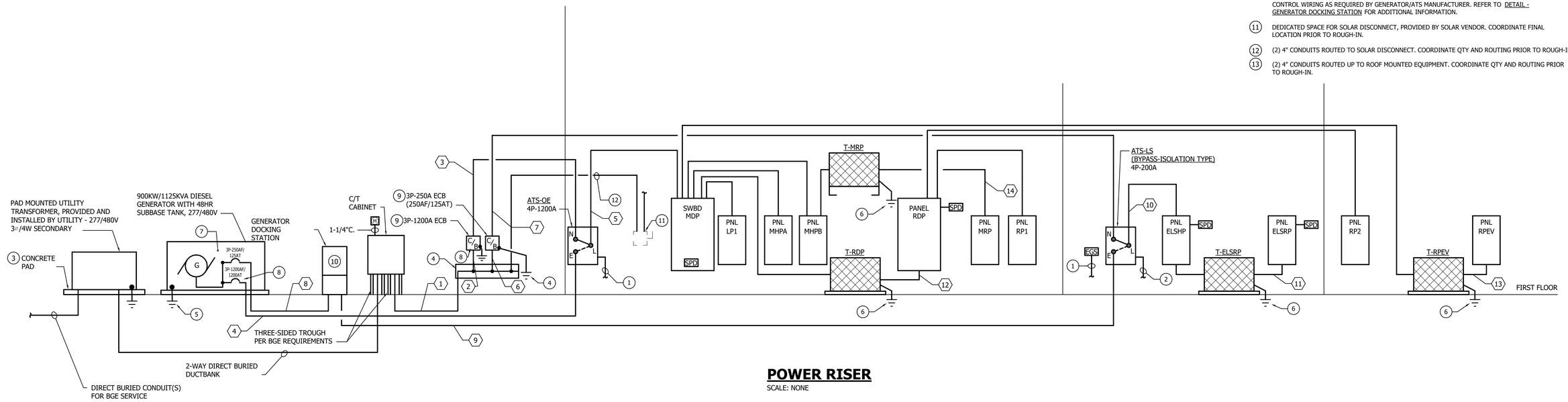
MARK	KVA	TYPE	MOUNTING	PRIMARY	SECONDARY	COMMENTS
T-RDP	112.5	DRY	FLOOR	480 Δ	120/208 Y	
T-RPEV	45	DRY	FLOOR	480 Δ	120/208 Y	
T-ELSRP	15	DRY	FLOOR	480 Δ	120/208 Y	
T-MRP	75	DRY	SUSPENDED	480 Δ	120/208 Y	

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

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300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
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DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
E501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 250 OF 295
	DRAWING NUMBER
	2025 - 1141
	FILE NO.: 8

SEAL: STATE OF MARYLAND — DALTON J. TWARDUS — 51627 — PROFESSIONAL ENGINEER

DATE : JULY 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 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KEC/DJT

DRN BY: KEC

CHKD BY: DJT

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET: ISW | POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

R.O.W. NO.

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

ESSEX POLICE PRECINCT - 11

ELECTRICAL POWER RISER DIAGRAM

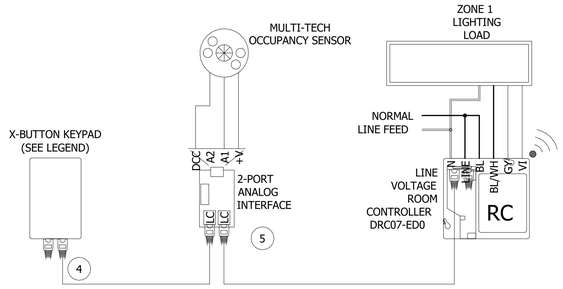
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

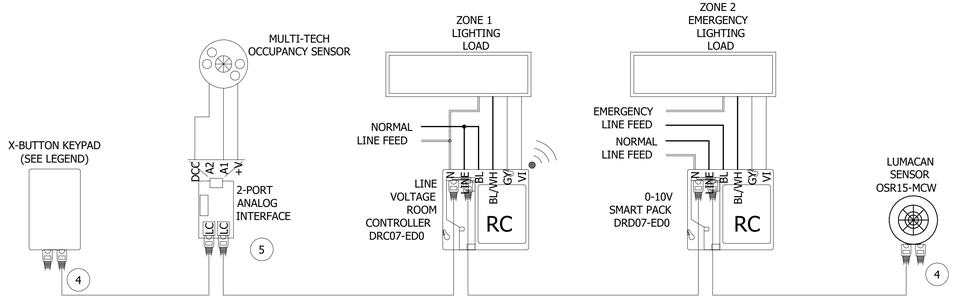
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



DETAIL- SINGLE ZONE CONTROL WITH OCCUPANCY

SCALE: NONE



DETAIL- SINGLE/MULTI ZONE CONTROL WITH OCCUPANCY PLUS DAYLIGHTING AND EMERGENCY (AS REQUIRED)

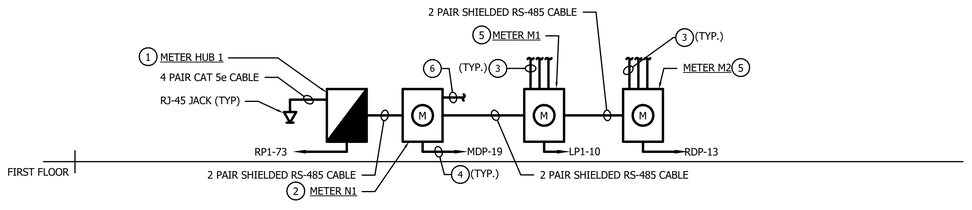
SCALE: NONE

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

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

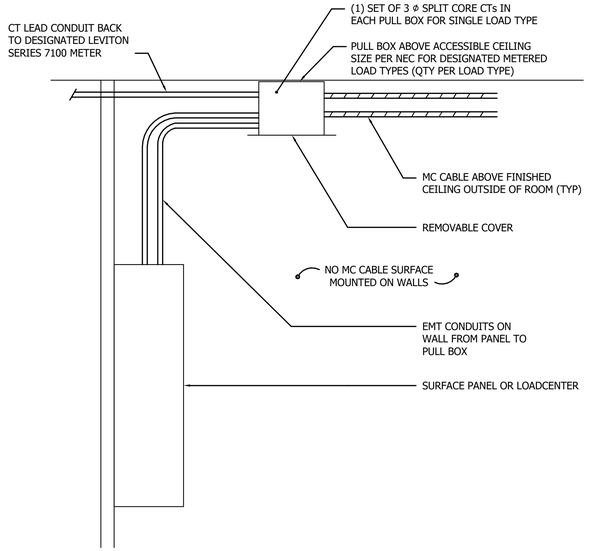
ENGRAVING:
1-,2-,and 4-button Keypad buttons can be engraved with a single symbol OR a maximum of 8 characters including spaces. 8-button Keypad buttons can be engraved with a single symbol OR a maximum of 4 characters including spaces.

1 BUTTON STATION
DRKDN-C1x

2 BUTTON STATION
DRKDN-C2x

4 BUTTON STATION
DRKDN-C4x

8 BUTTON STATION
DRKDN-C8x



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.

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300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
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228 West Market Street, York, Pennsylvania 17401 717-848-8827 voice 717-843-2448 fax

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 T. TWARDOWSKI 51627 PROFESSIONAL ENGINEER 7/14/2025	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: 12-06-26				R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 12" = 1'-0" PROFILE SCALE:	APPROVED BY: PROPERTY MANAGER DATE:
	ENGINEER: BOWMAN CONSULTING ENGINEERS	CONTRACT COMPLETION BOX							
	AS-BUILT PER RECORD PRINT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	BY: DATE:	REVIEWED BY:							
DATE: JULY 14, 2025	DGN BY: KEC / DJT DRN BY: KEC CHKD BY: DJT	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ELECTRICAL DETAILS

RENOVATION & ADDITION

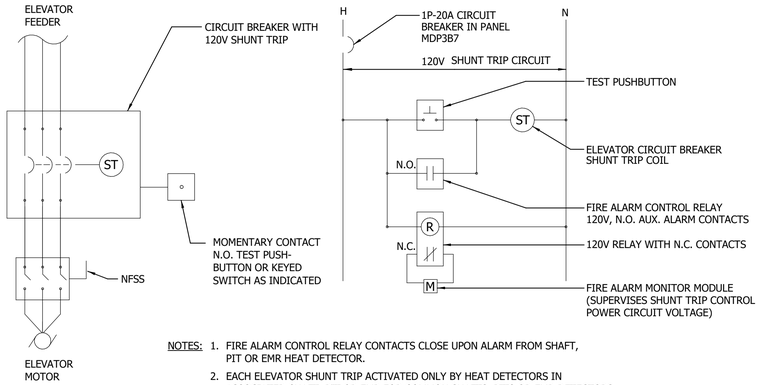
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
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	PROJ-10000636
	SHEET 251 OF 295
	DRAWING NUMBER
	2025 - 1142
	FILE NO.: 8 REV. 0

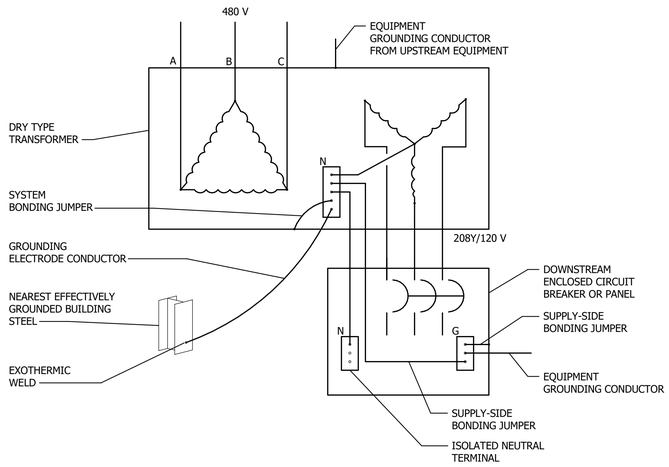
BALTIMORE COUNTY MARYLAND



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

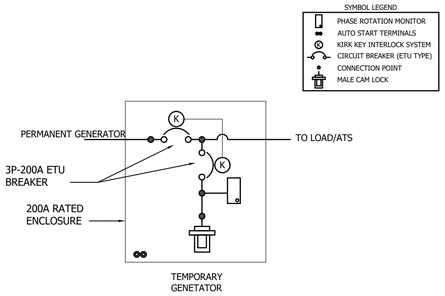
NOT TO SCALE



DETAIL - INTERIOR TRANSFORMER GROUNDING

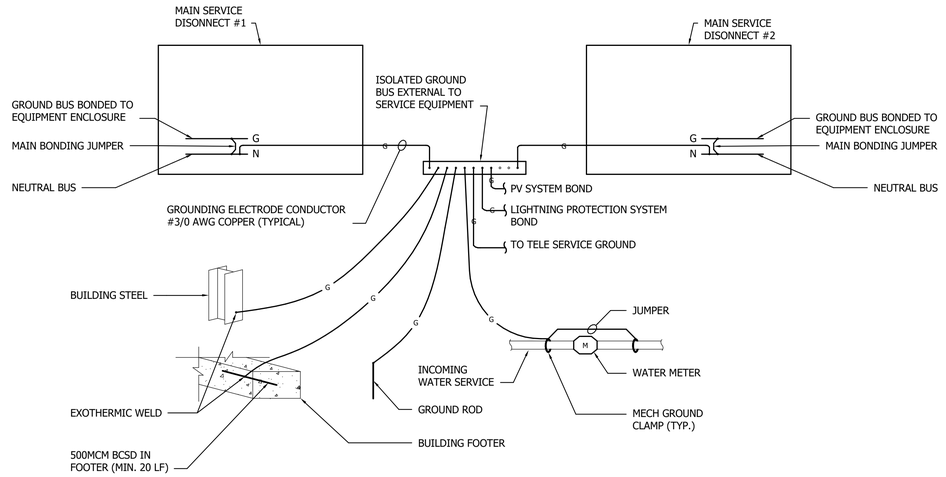
NO SCALE

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

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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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE: JULY 14, 2025

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

DGN BY: KEC/DJT | DWN BY: KEC | CHKD BY: DJT

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

ELECTRICAL DETAILS

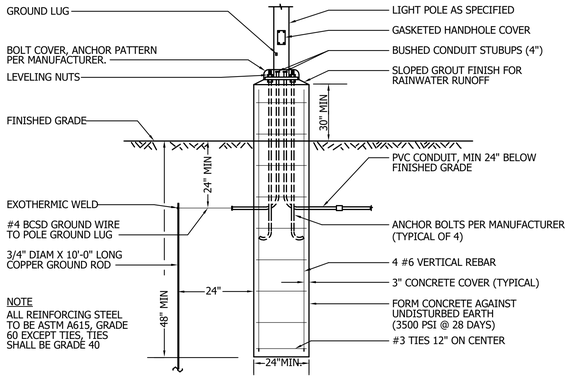
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
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JOB ORDER NUMBER	PROJ-10000636
SHEET 252 OF 295	
DRAWING NUMBER	2025 - 1143
FILE NO.: 8	REV. 0

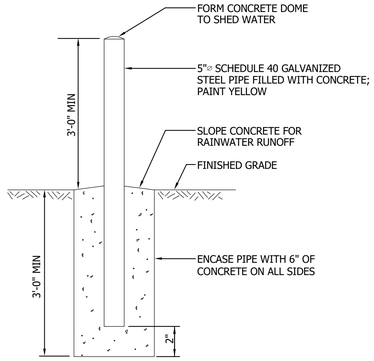


NOTE: CONTRACTOR SHALL COORDINATE EXACT LOCATION OF POLE BASE, GROUND ROD & CONDUIT WITH EXISTING UNDERGROUND ITEMS.

DETERMINE EXACT POLE LOCATION BASED ON EXISTING UNDERGROUND EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING DIGGING.

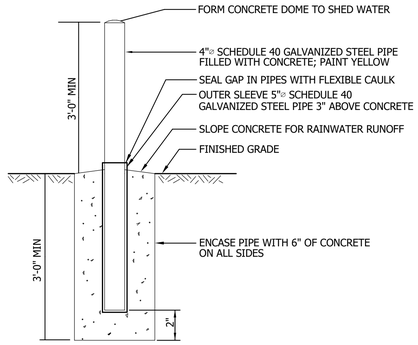
DETAIL - POLE BASE & FOUNDATION

NOT TO SCALE



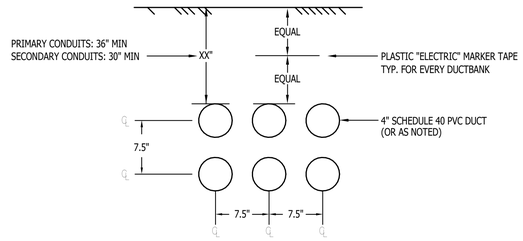
DETAIL - BOLLARD

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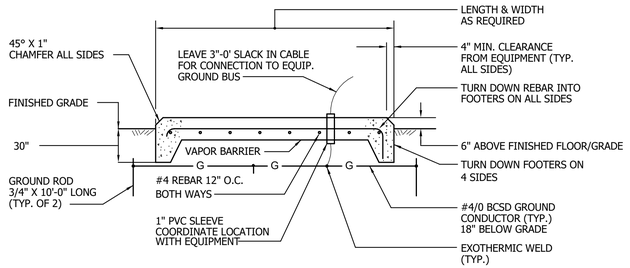
DETAIL - REMOVABLE BOLLARD

NOT TO SCALE



DETAIL - DIRECT BURIED CONDUIT TYPICAL CONSTRUCTION DETAILS

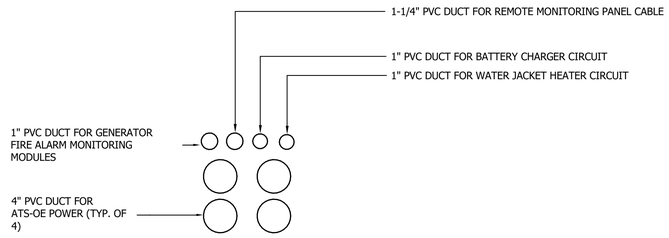
NOT TO SCALE



NOTE: COORDINATE CONDUIT PENETRATIONS WITH REBAR & EQUIPMENT

DETAIL - TYPICAL CONCRETE PAD FOR UTILITY XFMR & DOCKING STATION

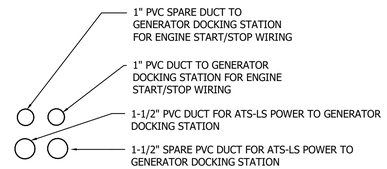
NOT TO SCALE



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 - GENERATOR DOCKING STATION CONDUIT

NOT TO SCALE

NOTE: DETAIL REPRESENTS CONDUITS AT GENERATOR DOCKING STATION, ROUTING DETERMINED BY CONTRACTOR. REFER TO SITE PLAN AND POWER RISER FOR ADDITIONAL INFORMATION.

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SEAL: STATE OF MARYLAND · DALTON T. TWARDOSZ · 51627 · PROFESSIONAL ENGINEER

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CONTRACT COMPLETION BOX

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W NO. | ISW | 7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ELECTRICAL DETAILS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
E603	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 253 OF 295	
DRAWING NUMBER	2025 - 1144
FILE NO.: 8	REV. 0

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	DOAS-1	102.3 MCA	480V/3ø					3P-200A				3R	MHPB-1			E206
2	DOAS-2	225 FLA	480V/3ø					3P-400A				3R	MHPB-2			
3	RTU-1	12 MCA	480V/3ø					3P-30A				3R	MHPB-7			E208
4	ACCU-S-1	19 MCA	208V/1ø					2P-30A				3R	MRP-1			
5	FCU-S-1		208V/1ø								X	1			INDOOR UNIT POWERED BY OUTDOOR UNIT	E206
6	ACCU-S-2	25 MCA	208V/1ø					2P-60A				3R	MRP-2			E206
7	FCU-S-2		208V/1ø								X	1			INDOOR UNIT POWERED BY OUTDOOR UNIT	E206
8	ACCU-1	26MCA	480V/3ø					3P-60A				3R	MHPA-1			E206
9	FCU-1-1	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
10	FCU-1-2	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
11	FCU-1-3	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
12	FCU-1-4	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
13	FCU-1-5	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
14	FCU-1-6	1.75 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
15	FCU-1-7	2.13 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
16	FCU-1-8	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
17	FCU-1-9	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-9			E206
18	ACCU-2	34 MCA	480V/3ø					3P-60A				3R	MHPA-2			E206
19	FCU-2-1	4.38 MCA	208V/1ø						2P-30A	15A		1	MRP-10			E206
20	FCU-2-2	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-10			E206
21	FCU-2-3	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-10			E206
22	FCU-2-4	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-10			E206
23	FCU-2-5	4.25 MCA	208V/1ø						2P-30A	15A		1	MRP-10			E206
24	ACCU-S-3	19 MCA	208V/1ø					2P-30A				3R	MRP-5			E206
25	FCU-S-3		208V/1ø								X	1			INDOOR UNIT POWERED BY OUTDOOR UNIT	E205
26	ACCU-3	20 MCA	480V/3ø					3P-30A				3R	MHPA8			E205
27	FCU-3-1	4.38 MCA	208V/1ø						2P-30A	15A		1	MRP-13			E205
28	FCU-3-2	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-13			E205
29	FCU-3-3	.54 MCA	208V/1ø						2P-30A	15A		1	MRP-13			E205
30	FCU-3-4	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-13			E205
31	ACCU-S-4	19 MCA	208V/1ø					2P-30A				3R	MRP-6			E205
32	FCU-S-4		208V/1ø								X	1			INDOOR UNIT POWERED BY OUTDOOR UNIT	E205
33	NOT USED															E205
34	NOT USED															E205
35	ACCU-4	35 MCA 35 MCA	480V/3ø					3P-60A 3P-60A				3R	MHPA-7 MHPA-13			E205
36	FCU-4-1	.54 MCA							2P-30A	15A		1	MRP-14			E301
37	FCU-4-2	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-14			E301
38	FCU-4-3A FCU-4-3B	.24 MCA .24 MCA	208V/1ø						2P-30A 2P-30A	15A 15A		1	MRP-14			E301
39	FCU-4-4A FCU-4-4B	.24 MCA .24 MCA	208V/1ø						2P-30A 2P-30A	15A 15A		1	MRP-14			E301
40	FCU-4-5	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
41	FCU-4-6	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
42	FCU-4-7	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
43	FCU-4-8	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
44	FCU-4-9	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
45	FCU-4-10	.50 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
46	FCU-4-11	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
47	FCU-4-12	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
48	FCU-4-13	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
49	FCU-4-14	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
50	FCU-4-15	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E207
51	FCU-4-16	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
52	FCU-4-17	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
53	FCU-4-18	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
54	FCU-4-19	.35 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E301
55	FCU-4-20	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E301

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-4-21	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
57	FCU-4-22	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
58	FCU-4-23	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
59	FCU-4-24	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
60	FCU-4-25	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-17			E208
61	ACCU-5	35 MCA	480V/3ø					3P-60A				3R	MHPB-13			E208
62	FCU-5-1	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E206
63	FCU-5-2	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E206
64	FCU-5-3	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E205
65	FCU-5-4	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E205
66	FCU-5-5	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E205
67	FCU-5-6	4.38 MCA	208V/1ø						2P-30A	15A		1	MRP-18			E205
68	FCU-5-7	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
69	FCU-5-8	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
70	FCU-5-9	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
71	FCU-5-10	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
72	FCU-5-11	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
73	FCU-5-12	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
74	FCU-5-13	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
75	FCU-5-14	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
76	FCU-5-15	.24 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
77	FCU-5-16	.39 MCA	208V/1ø						2P-30A	15A		1	MRP-21			E205
78	ACCU-6	20 MCA	480V/3ø					3P-30A				3R	MHPB-8			E208
79	FCU-6-1	4.25 MCA	208V/1ø						2P-30A	15A		1	MRP-22			E208
80	FCU-6-2	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-22			E207
81	FCU-6-3	.29 MCA	208V/1ø						2P-30A	15A		1	MRP-22			E207
82	FCU-6-4	.39 MCA	208V/1ø						2P-30A	15A		1	MRP-22			E207
83	FCU-6-5	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-22			E207
84	ACCU-7	34 MCA	480V/3ø					3P-60A				3R	MHPB-14			E206
85	FCU-7-1	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-25			E206
86	FCU-7-2	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-25			E206
87	FCU-7-3	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-25			E206
88	FCU-7-4	2.13 MCA	208V/1ø						2P-30A	15A		1	MRP-25			E205
89	FCU-7-5	2.88 MCA	208V/1ø						2P-30A	15A		1	MRP-25			E206
90	FCU-7-6	4.25 MCA	208V/1ø						2P-30A	15A		1	MRP-25			
91	FCU-7-7	10.1 MCA	208V/1ø						2P-30A	15A		1	MRP-26			
92	EF-1	.25 HP	120V/1ø									1	MRP-30			
93	EF-2	1 HP	480V/3ø					3P-30A				1	MHPA-14			
94	EF-3	.25 HP	120V/1ø									1	MRP-29			
95	SF-1	.25 HP	120V/1ø									1	MRP-31			
96	EUH-1	3.3 KW	277V/1ø									1	MHPA-37		CONNECT TO INTEGRAL DISCONNECT	
97	EUH-2	3.3 KW	277V/1ø									1	MHPA-37		CONNECT TO INTEGRAL DISCONNECT	
98	EUH-3	5 KW	277V/1ø									1	MHPA-38		CONNECT TO INTEGRAL DISCONNECT	
99	EUH-4	5 KW	277V/1ø									1	MHPB-23		CONNECT TO INTEGRAL DISCONNECT	
100	ECH-1	5 KW	277V/1ø									1	MHPA-35		CONNECT TO INTEGRAL DISCONNECT	

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
606 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4674 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-2448 fax

C:\Users\kcallison\Documents\Essex Police Station - Central File - Rvt 2021_kevincallison.rvt
DWG. FILENAME:

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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE: JULY 14, 2025

DGN BY: KEC / DJT
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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

HVAC SCHEDULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E701	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 254 OF 295
	DRAWING NUMBER
	2025 - 1145
	FILE NO.: 8

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							
101	ECH-2	5 KW	277V/1ø									1	MHPB-19		CONNECT TO INTEGRAL DISCONNECT	E206
102	ECH-3	5 KW	277V/1ø									1	MHPB-20		CONNECT TO INTEGRAL DISCONNECT	
103	ECH-4	2 KW	277V/1ø									1	MHPB-21		CONNECT TO INTEGRAL DISCONNECT	E208
104	ECH-5	2 KW	277V/1ø									1	MHPB-21		CONNECT TO INTEGRAL DISCONNECT	
105	ECH-6	2 KW	277V/1ø									1	MHPB-21		CONNECT TO INTEGRAL DISCONNECT	E206
106	EWH-1	2 KW	277V/1ø									1	MHPB-22		CONNECT TO INTEGRAL DISCONNECT	E206
107	IRH-1	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
108	IRH-2	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
109	IRH-3	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
110	IRH-4	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
111	IRH-5	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
112	IRH-6	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
113	IRH-7	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
114	IRH-8	4.8 KW	480V/3ø									1	MHPA-39		CONNECT TO IRH CONTROL PANEL (2)	E206
115	SP-1	(2) 5 HP	480V/3ø					3P-30A				1			(1)	E206
116	SP-2	.5 HP	120V/1ø								X	1	RP2-37			E206
117	IWH-1	20 KW	480V/3ø					3P-30A				4X	MHPA-40		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
118	IWH-2	3 KW	277V/1ø					1P-30A				4X	MHPA-45		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
119	IWH-3	16 KW	480V/3ø					3P-30A				4X	MHPA-46		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
120	IWH-4	3 KW	277V/1ø					1P-30A				4X	MHPA-45		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
121	IWH-5	20 KW	480V/3ø					3P-30A				4X	MHPA-47		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
122	IWH-6	16 KW	480V/3ø					3P-30A				4X	MHPA-52		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
123	IWH-7	4.1 KW	277V/1ø					1P-30A				4X	MHPA-19		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
124	IWH-8	4.1 KW	277V/1ø					1P-30A				4X	MHPA-20		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E206
125	IWH-9	16 KW	480V/3ø					3P-30A				4X	MHPA-21		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
126	IWH-10	4.1 KW	277V/1ø					1P-30A				4X	MHPA-22		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
127	IWH-11	4.1 KW	277V/1ø					1P-30A				4X	MHPA-24		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
128	IWH-12	4.1 KW	277V/1ø					1P-30A				4X	MHPA-26		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
129	IWH-13	4.1 KW	277V/1ø					1P-30A				4X	MHPA-27		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
130	IWH-14	16 KW	480V/3ø					3P-30A				4X	MHPA-28		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
131	IWH-15	4.1 KW	277V/1ø					1P-30A				4X	MHPA-29		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
132	IWH-16	4.1 KW	277V/1ø					1P-30A				4X	MHPA-31		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
133	IWH-17	4.1 KW	277V/1ø					1P-30A				4X	MHPA-34		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
134	IWH-18	4.1 KW	277V/1ø					1P-30A				4X	MHPA-36		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
135	IWH-19	4.1 KW	277V/1ø					1P-30A				4X	MHPA-53		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E205
136	IWH-20	16 KW	480V/3ø					3P-30A				4X	MHPB-24		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E301
137	IWH-21	16 KW	480V/3ø					3P-30A				4X	MHPB-25		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E301
138	IWH-22	3 KW	277V/1ø					1P-30A				4X	MHPB-30		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E301
139	IWH-23	3 KW	277V/1ø					1P-30A				4X	MHPB-30		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E301
140	IWH-24	3 KW	277V/1ø					1P-30A				4X	MHPB-32		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E207
141	IWH-25	20 KW	480V/3ø					3P-30A				4X	MHPB-31		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E207
142	IWH-26	10 KW	277V/1ø					1P-60A				4X	MHPA-33		PROVIDE COMPACT ROTARY DISCONNECT SWITCH	E207
143																E207
144																
145																
146																
147																
148																
149																
150																
151																
152																
153																
154																
155																

DRAWING NOTES

(1) DUPLEX PUMP PACKAGE WITH CONTROL PANEL.

(2) REFER TO PANEL SCHEDULE MHPA FOR CONNECTION INFORMATION.

SCALE: 1/8" = 1'-0"

8 0 8 16

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4023 voice 410-625-4574 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-2448 fax

DWG. FILENAME: C:\Users\kcallison\Documents\Essex Police Station - Central File - Rvt 2021_kevincallison.rvt

SEAL: STATE OF MARYLAND · DENTON J. TWARDUS · 51627 · PROFESSIONAL ENGINEER

DATE: JULY 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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

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. | ISW | 7NE28 7NE29 8NE28 8NE29

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

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

DGN BY: KEC / DJT	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DRN BY: KEC	REVIEWED BY:							
CHKD BY: DJT	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

HVAC SCHEDULE

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
E702	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 255 OF 295
	DRAWING NUMBER
	2025 - 1146
	FILE NO.: 8

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C		17.7	17.7	22.1
	Receptacles [R] *	0.5	N		94.7	52.4	52.4
1	Motors [M]	1	<M/H>	14.5	222.6	237.1	237.1
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>		26.3	26.3	26.3
	Heating [H] **	1	<M/H>		244.6	**	**
	Air Conditioning [A] **	1	<M/H>		270.0	270.0	270.0
1	Other (appliances, etc.) [O]	1	N	0.2	248.1	248.3	248.3
	Auxiliary [X]	1	C		24.8	24.8	31.0
	Kitchen [K]	0.65	N				
2	CIRCUITS						

PANEL CONNECTED LOAD	1163.6	KVA
PANEL DEMAND LOAD	876.6	KVA
TOTAL PANEL LOAD	887.3	KVA
	1067.3	AMPS
SPARE CAPACITY =	110.4	KVA
(BASED ON CB)	131.7	%

@ 1200 AMPS
997.7 CB MAX KVA

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 = COOLING

I-LINE STYLE PANEL
SURFACE MOUNTED PANEL MDP 277/480 VOLT 3 PHASE 4 WIRE 1200 AMP BUS 1200 AMP MAIN BREAKER 45,000 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	PANEL MHPA	600	3	600	2	4	350MCM	1	3"	2	PANEL LP1	225	3	125	1	4	1		6	2"			
3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----	----			
5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----	----			
7	XFMR T-RDP	225	3	125	1	3	1	6	1 1/2"	8	XFMR T-REV	400	3	250	1	3	250MCM	4	2 1/2"			150.0
9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
13	ELEVATOR	100	3	25	1	3	10	10	3/4"	14	PANEL MHPB	800	3	800	3	4	350MCM	1/0	3"			
15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
19	METER N1	100	3	20	1	4	12	12	3/4"	20	SPARE	100	1	----	----	--	----	----	----			
21	----------	----	----	----	----	--	----	----	----	22	----------	----	----	----	----	--	----	----	----			
23	----------	----	----	----	----	--	----	----	----	24	----------	----	----	----	----	--	----	----	----			
25	SPACE /BUS	100	1	----	----	--	----	----	----	26	SPACE /BUS	100	1	----	----	--	----	----	----			
27	SPACE /BUS	100	1	----	----	--	----	----	----	28	SPACE /BUS	100	1	----	----	--	----	----	----			
29	SPACE /BUS	100	1	----	----	--	----	----	----	30	SPACE /BUS	100	1	----	----	--	----	----	----			

JOB: Essex Police Station PANEL : RDP 19-Mar-25 08:03 AM

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
	Receptacles [R] *	0.5	N		94.7	52.4	52.4
	Motors [M]	1	<M/H>		3.7	3.7	3.7
	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	0.2	21.6	21.8	21.8
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
1	CIRCUITS						

PANEL CONNECTED LOAD	120.2	KVA
PANEL DEMAND LOAD	77.8	KVA
TOTAL PANEL LOAD	77.8	KVA
	216.0	AMPS
SPARE CAPACITY =	66.3	KVA
(BASED ON CB)	184.0	AMPS
	46.0	%

@ 400 AMPS
144.1 CB MAX KVA

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 RDP 120/208 VOLT 3 PHASE 4 WIRE 400 AMP BUS 400 AMP MAIN BREAKER 22,000 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	PANEL RP1	225	3	225	1	3	4/0	4	2"	2	PANEL RP2	225	3	225	1							
3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
7	SPARE	100	3	100	----	--	----	----	----	8	SPARE	100	3	100	----	--	----	----	----			
9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
13	METER M2	100	1	20	1	3	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	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	----	----	--	----	----	----			

JOB: Essex Police Station PANEL : LP1 19-Mar-25 08:05 AM

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
9	Lighting [L]	1	C	17.7		17.7	22.1
	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				
10	CIRCUITS						

PANEL CONNECTED LOAD	17.9	KVA
PANEL DEMAND LOAD	17.9	KVA
TOTAL PANEL LOAD	22.3	KVA
	26.8	AMPS
SPARE CAPACITY =	60.8	KVA
(BASED ON CB)	73.2	AMPS
	73.2	%

@ 100 AMPS
83.1 CB MAX KVA

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 25,000 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	BASEMENT LTG	100	1	20	1	2	12	12	3/4"	2	FIRST FLOOR DET/PORT LTG	100	1	20	1	2	12	12	3/4"	L	3.0	
3	FIRST FLOOR CORR + PART A OFFICES	100	1	20	1	2	12	12	3/4"	4	FIRST FLOOR PART B LTG	100	1	20	1	2	12	12	3/4"	L	2.3	
5	FIRST FLOOR PART B LTG	100	1	20	1	2	12	12	3/4"	6	REAR CANOPY AND PATIO LTG	100	1	20	1	2	12	12	3/4"	L	1.3	
7	SITE POLE LIGHTING	100	1	20	1	2	12	12	3/4"	8	FRONT CANOPY & SITE LTG	100	1	20	1	2	12	12	3/4"	L	1.0	
9	MONUMENT SIGN LTG	100	1	20	1	2	12	12	3/4"	10	METER M1	100	3	20	1	3	12	12	3/4"	O	0.2	
11	SPARE	100	1	20	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
13	SPARE	100	1	20	----	--	----	----	----	14	----------	----	----	----	----	--	----	----	----			
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	SPARE	100	1	20	----	--	----	----	----	30	SPARE	100	1	20	----	--	----	----	----			
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	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
6	Receptacles [R] *	0.5	N				
	Motors [M]	1	<M/H>	126.3		126.3	126.3
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
4	Heating [H] **	1	<M/H>	54.6		54.6	54.6
	Air Conditioning [A] **	1	<M/H>			**	**
20	Other (appliances, etc.) [O]	1	N	181.1		181.1	181.1
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
30	CIRCUITS						

PANEL CONNECTED LOAD	362.0	KVA
PANEL DEMAND LOAD	362.0	KVA
TOTAL PANEL LOAD	362.0	KVA
	435.4	AMPS
SPARE CAPACITY =	136.8	KVA
(BASED ON CB)	164.6	AMPS
	27.4	%

@ 600 AMPS
498.8 CB MAX KVA

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 MHPA 277/480 VOLT 3 PHASE 4 WIRE 600 AMP BUS MAIN LUGS ONLY 25,000 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	ACCU-1	100	3	40	1	3	8	10	3/4"	2	ACCU-2	100	3	50	1	3	8	10	3/4"	M	29.0	
3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----			
5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
7	ACCU-4A	100	3	50	1	3	8	10	3/4"	8	ACCU-3	100	3	30	1	3	10	10	3/4"	M	16.6	
9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
13	ACCU-4B	100	3	50	1	3	8	10	3/4"	14	EIF-2	100	3	15	1	3	12	12	3/4"	M	1.7	1.0
15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
19	IWH-7	100	1	20	1	2	12	12	3/4"	20	IWH-8	100	1	20	1	2	12	12	3/4"	O	4.1	
21	IWH-9	100	1	25	1	3	10	10	3/4"	22	IWH-10	100	1	20	1	2	12	12	3/4"	O	4.1	
23	----------	----	----	----	----	--	----	----	----	24	IWH-11	100	1	20	1	2	12	12	3/4"	O	4.1	
25	----------	----	----	----	----	--	----	----	----	26	IWH-12	100	1	20	1	2	12	12	3/4"	O	4.1	
O	4.1									27	IWH-13	100	1	20	1	2	12	12	3/4"	28	IWH-14	100	1	20	1	2	12	12	3/4"	O	16.0	
O	4.1									29	IWH-15	100	1	20	1	2	12	12	3/4"	30	----------	----	----	----	----	--	----	----	----			
O	4.1									31	IWH-16	100	1	20	1	2	12	12	3/4"	32	----------	----	----	----	----	--	----	----	----			
O	10.0									33	IWH-26	100	1	50	1	2	8	10	3/4"	34	IWH-17	100	1	20	1	2	12	12	3/4"	O	4.1	
H	5.0									35	ECH-1	100	1	25	1	2	10	10	3/4"	36	IWH-18	100	1	20	1	2	12	12	3/4"	H	5.0	
H	6.6									37	EUH-1 & 2	100	1	30	1	2	10	10	3/4"	38	EUH-3	100	1	25	1	2	10	10	3/4"	H	5.0	
H	38.0									39	IRH CONTROL PANEL	100	1	60	1	3	6	10	1"	40	IWH-1	100	3	35	1	3	8	10	3/4"	O	20.0	
										41	----------	----	----	----	----	--	----	----	----	42	----------	----	----	----	----	--	----	----	----			
										43	----------	----	----	----	----	--	----	----	----	44	----------	----	----	----	----	--	----	----	----			
O	6.0									45	IWH-2 & 4	100	1	30	1	2	10	10	3/4"	46	IWH-3	100	3	25	1	3	10	10	3/4"	O	16.0	
O	20.0									47	IWH-5	100	3	35	1	3	8	10	3/4"	48	----------	----	----	----	----	--	----	----	----			
										49	----------	----	----	----	----	--	----	----	----	50	----------	----	----	----	----	--	----	----	----			
										51	----------	----	----	----	----	--	----	----	----	52	IWH-6	100	3	25	1	3	10	10	3/4"	O	16.0	
O	4.1									53	IWH-19	100	1	20	1	2	12	12	3/4"	54	----------	----	----	----	----	--	----	----	----			
O	16.0									55	IWH-20	100	3	25	1	3	10	10	3/4"	56	----------	----	----	----	----	--	----	----	----			
										57	----------	----	----	----	----	--	----	----	----	58	SPARE	100	1	20	----	--	----	----	----			
										59	----------	----	----	----	----	--	----	----	----	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	SPACE /BUS	100	1	----	----	--	----	----	----	66	SPACE /BUS	100	1	----	----	--	----	----	----			
										67	SPACE /BUS	100	1	----	----	--	----	----	----	68	SPACE /BUS	100	1	----	----	--	----	----	----			
										69	SPACE /BUS	100	1	----	----	--	----	----	----	70	SPACE /BUS	100	1	----	----	--	----	----	----			
										71	SPACE /BUS	100	1	----	----	--	----	----	----	72	SPACE /BUS	100	1	----	----	--	----	----	----			

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
	Receptacles [R] *	0.5	N				
3	Motors [M]	1	<M/H>	73.6	19.0	92.6	92.6
	Motors (alternate) [M2]	1	<M/H>				
1	Multimotor/Combination [MM]	1	<M/H>	1.7	24.6	26.3	26.3
7	Heating [H] **	1	<M/H>	190.0		**	**
2	Air Conditioning [A] **	1	<M/H>	270.0		270.0	270.0
4	Other (appliances, etc.) [O]	1	N	45.0		45.0	45.0
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
17	CIRCUITS						

PANEL CONNECTED LOAD	623.9	KVA
PANEL DEMAND LOAD	433.9	KVA
TOTAL PANEL LOAD	433.9	KVA
	521.9	AMPS
SPARE CAPACITY =	231.2	KVA
(BASED ON CB)	278.1	AMPS
	34.8	%

@ 800 AMPS
665.1 CB MAX KVA

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 = COOLING

PROVIDE I-LINE STYLE PANEL
SURFACE MOUNTED PANEL MHPB 277/480 VOLT 3 PHASE 4 WIRE 800 AMP BUS MAIN LUGS ONLY 25,000 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	DOAS-1	225	3	125	1	3	1	6	1 1/2"	2	DOAS-2	400	3	250	1	3	250MCM	4	2 1/2"	A	186.0	
3	----------	----	----	----	----	--	----	----	----	4	----------	----	----	----	----	--	----	----	----	H	119.0	
5	----------	----	----	----	----	--	----	----	----	6	----------	----	----	----	----	--	----	----	----			
7	RTU-1	100	3	15	1	3	12	12	3/4"	8	ACCU-6	100	3	30	1	3	10	10	3/4"	M	16.6	
9	----------	----	----	----	----	--	----	----	----	10	----------	----	----	----	----	--	----	----	----			
11	----------	----	----	----	----	--	----	----	----	12	----------	----	----	----	----	--	----	----	----			
13	ACCU-5	100	3	50	1	3	8	10	3/4"	14	ACCU-7	100	3	50	1	3	8	10	3/4"	M	28.0	
15	----------	----	----	----	----	--	----	----	----	16	----------	----	----	----	----	--	----	----	----			
17	----------	----	----	----	----	--	----	----	----	18	----------	----	----	----	----	--	----	----	----			
19	ECH-2	100	1	25	1	2	10	10	3/4"	20	ECH-3	100	1	25	1	2	10	10	3/4"	H	5.0	
21	ECH-4, 5, 6	100	1	30	1	2	10	10	3/4"	22	EWH-1	100	1	20	1	2	12	12	3/4"	H	2.0	
23	EUH-4	100	1	25	1	2	10	10	3/4"	24	SPARE	100	3	20	----	--	----	----	----			
25	IWH-21	100	3	25	1	3	10	10	3/4"	26	----------	----	----	----	----	--	----	----	----			
27	----------	----	----	----	----	--	----	----	----	28	----------	----	----	----	----	--	----	----	----			
29	----------	----	----	----	----	--	----	----	----	30	IWH-22 & 23	100	1	30	1	2	10	10	3/4"	O	6.0	
31	IWH-25	100	3	35	1	3	8	10	3/4"	32	IWH-24	100	1	20	1	2	12	12	3/4"	O	3.0	
33	----------	----	----	----	----	--	----	----	----	34	SPARE	100	1	20	----	--	----	----

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>		**	**	
	Other (appliances, etc.) [O]	1	N				
4	Auxiliary [X]	1	C	24.8		24.8	31.0
	Kitchen [K]	0.65	N				
4	CIRCUITS						

PANEL CONNECTED LOAD	24.8 KVA	@ 150 AMPS
PANEL DEMAND LOAD	24.8 KVA	54.0 CB MAX KVA
TOTAL PANEL LOAD	31.0 KVA	FED FROM MDP
	86.0 AMPS	(75.0 KVA XFMR)
SPARE CAPACITY =	23.0 KVA	
(BASED ON CB)	64.0 AMPS	
	42.6 %	

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 225 AMP BUS 150 AMP MAIN BREAKER 10,000 A.I.C.

TYPE	KVA	HP
X	6.2	
X	6.2	

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.
1	EV CHARGER	100	2	40	1	2	8	10	3/4"	2	EV CHARGER	100	2	40	1	2	8	10	3/4"
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"
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	----	----	--	----	----	----

TYPE	KVA	HP
X	6.2	
X	6.2	

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
36	Receptacles [R] *	0.5	N	33.4		21.7	21.7
3	Motors [M]	1	<M/H>	3.7		3.7	3.7
	Motors (alternate) [M2]	1	<M/H>				
	Multimotor/Combination [MM]	1	<M/H>				
	Heating [H] **	1	<M/H>				
	Air Conditioning [A] **	1	<M/H>		**	**	
6	Other (appliances, etc.) [O]	1	N	6.9		6.9	6.9
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
45	CIRCUITS						

PANEL CONNECTED LOAD	44.0 KVA	@ 225 AMPS
PANEL DEMAND LOAD	32.3 KVA	81.1 CB MAX KVA
TOTAL PANEL LOAD	32.3 KVA	
	89.7 AMPS	
SPARE CAPACITY =	48.8 KVA	
(BASED ON CB)	135.3 AMPS	
	60.2 %	

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 = SAME

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
R	1.0	
R	0.8	
R	0.8	
R	1.2	
R	0.8	
R	0.8	
R	1.2	
R	0.8	
R	1.2	
R	1.0	
R	0.6	
R	1.0	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	0.6	
M	1.2	0.5

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.
1	BASEMENT CORRIDOR REC	100	1	20	1	2	12	12	3/4"	2	GEAR STORAGE REC	100	1	20	1	2	12	12	3/4"
3	WOMENS LOCKER RESTR REC	100	1	20	1	2	12	12	3/4"	4	FITNESS ROOM REC	100	1	20	1	2	12	12	3/4"
5	MENS LOCKER REC	100	1	20	1	2	12	12	3/4"	6	FITNESS ROOM REC	100	1	20	1	2	12	12	3/4"
7	MENS LOCKER/JC/WELLNESS REC	100	1	20	1	2	12	12	3/4"	8	FITNESS ROOM REC	100	1	20	1	2	12	12	3/4"
9	177 OFFICE REC	100	1	20	1	2	12	12	3/4"	10	WOMENS LOCKER REC	100	1	20	1	2	12	12	3/4"
11	179 OFFICE REC	100	1	20	1	2	12	12	3/4"	12	178 CAT REC	100	1	20	1	2	12	12	3/4"
13	INTERROGATION REC	100	1	20	1	2	12	12	3/4"	14	178 CAT REC	100	1	20	1	2	12	12	3/4"
15	186 OFFICE REC	100	1	20	1	2	12	12	3/4"	16	185 SRO REC	100	1	20	1	2	12	12	3/4"
17	STOR/SUPPLY REC	100	1	20	1	2	12	12	3/4"	18	185 SRO REC	100	1	20	1	2	12	12	3/4"
19	C08 CORR REC	100	1	20	1	2	12	12	3/4"	20	149 FRONT DESK REC	100	1	20	1	2	12	12	3/4"
21	150 CONNECITON REC	100	1	20	1	2	12	12	3/4"	22	149 FRONT DESK REC	100	1	20	1	2	12	12	3/4"
23	150 CONNECITON/151 TLT REC	100	1	20	1	2	12	12	3/4"	24	152 CONTROL ROOM REC	100	1	20	1	2	12	12	3/4"
25	153 C HALL/155 F HALL REC	100	1	20	1	2	12	12	3/4"	26	152 CONTROL ROOM REC	100	1	20	1	2	12	12	3/4"
27	162 PROCESSING REC	100	1	20	1	2	12	12	3/4"	28	160 BALL/OUTDOOR REC	100	1	20	1	2	12	12	3/4"
29	162 PROCESSING REC	100	1	20	1	2	12	12	3/4"	30	151 F ACCESS/STRP/INTOX REC	100	1	20	1	2	12	12	3/4"
31	191 SALLY PORT REC	100	1	20	1	2	12	12	3/4"	32	C12 M HAL/168 M ACCESS REC	100	1	20	1	2	12	12	3/4"
33	169/170 INT REC	100	1	20	1	2	12	12	3/4"	34	EXTERIOR STG REC	100	1	20	1	2	12	12	3/4"
35	175 JC/176 NON-CONT REC	100	1	20	1	2	12	12	3/4"	36	SUMP PUMP CONTROLLER	100	1	20	1	2	12	12	3/4"
37	SUMP PUMP SP-2	100	1	20	1	2	12	12	3/4"	38	ELEVATOR PIT RECEPTACLE	100	1	20	1	2	12	12	3/4"
39	SPARE	100	1	20	----	--	----	----	----	40	SPARE	100	1	20	----	--	----	----	----
41	SPARE	100	1	20	----	--	----	----	----	42	SPARE	100	1	20	----	--	----	----	----
43	SPARE	100	1	20	----	--	----	----	----	44	DUTY BAG LOCKER POWER	100	3	20	1	4	12	12	3/4"
45	SPARE	100	1	20	----	--	----	----	----	46	**********	----	----	----	----	--	----	----	----
47	**********	----	----	----	----	--	----	----	----	48	**********	----	----	----	----	--	----	----	----
49	**********	----	----	----	----	--	----	----	----	50	SPARE	100	1	20	----	--	----	----	----
51	SPARE	100	1	20	----	--	----	----	----	52	SPARE	100	1	20	----	--	----	----	----
53	**********	----	----	----	----	--	----	----	----	54	SPARE	100	1	20	----	--	----	----	----
55	**********	----	----	----	----	--	----	----	----	56	SPARE	100	1	20	----	--	----	----	----
57	SPARE	100	1	20	----	--	----	----	----	58	SPARE	100	1	20	----	--	----	----	----
59	SPARE	100	1	20	----	--	----	----	----	60	SPARE	100	1	20	----	--	----	----	----

TYPE	KVA	HP
R	0.8	
R	1.2	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	0.8	
O	0.5	
R	0.2	
O	2.4	

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C	5.9		5.9	7.4
	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>		**	**	
	Other (appliances, etc.) [O]	1	N				
	Auxiliary [X]	1	C				
4	Kitchen [K]	0.65	N				
	CIRCUITS						

PANEL CONNECTED LOAD	5.9 KVA	@ 100 AMPS
PANEL DEMAND LOAD	5.9 KVA	83.1 CB MAX KVA
TOTAL PANEL LOAD	7.4 KVA	
	8.9 AMPS	
SPARE CAPACITY =	75.7 KVA	
(BASED ON CB)	91.1 AMPS	
	91.1 %	

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 ELSHP 277/480 VOLT 3 PHASE 4 WIRE 100 AMP BUS MAIN LUGS ONLY 25,000 A.I.C.

TYPE	KVA	HP
L	1.2	
L	1.4	

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.
1	BASEMENT LTG	100	1	20	1	2	12	12	3/4"	2	FIRST FLOOR PART A + CORR LTG	100	1	20	1	2	12	12	3/4"
3	FIRST FLOOR PART B LTG	100	1	20	1	2	12	12	3/4"	4	ELEVATOR PIT LIGHTING	100	1	20	1	2	12	12	3/4"
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	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	----	----	--	----	----	----

TYPE	KVA	HP
L	2.8	
L	0.5	

CKT QTY		DEMAND	NON/ CONT	PNL KVA	SUBPNL KVA	DEMAND KVA	TOTAL KVA
	Lighting [L]	1	C				
64	Receptacles [R] *	0.5	N	61.7		35.9	35.9
	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>			**	**
13	Other (appliances, etc.) [O]	1	N	20.1		20.1	20.1
	Auxiliary [X]	1	C				
	Kitchen [K]	0.65	N				
77	CIRCUITS						

PANEL CONNECTED LOAD	81.8 KVA	@ 225 AMPS
PANEL DEMAND LOAD	56.0 KVA	81.1 CB MAX KVA
TOTAL PANEL LOAD	56.0 KVA	
	155.4 AMPS	(75.0 KVA XFMR)
SPARE CAPACITY =	19.0 KVA	
(BASED ON XFMR)	52.7 AMPS	
	25.3 %	

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 RP1 120/208 VOLT 3 PHASE 4 WIRE 225 AMP BUS MAIN LUGS ONLY 10,000 A.I.C.

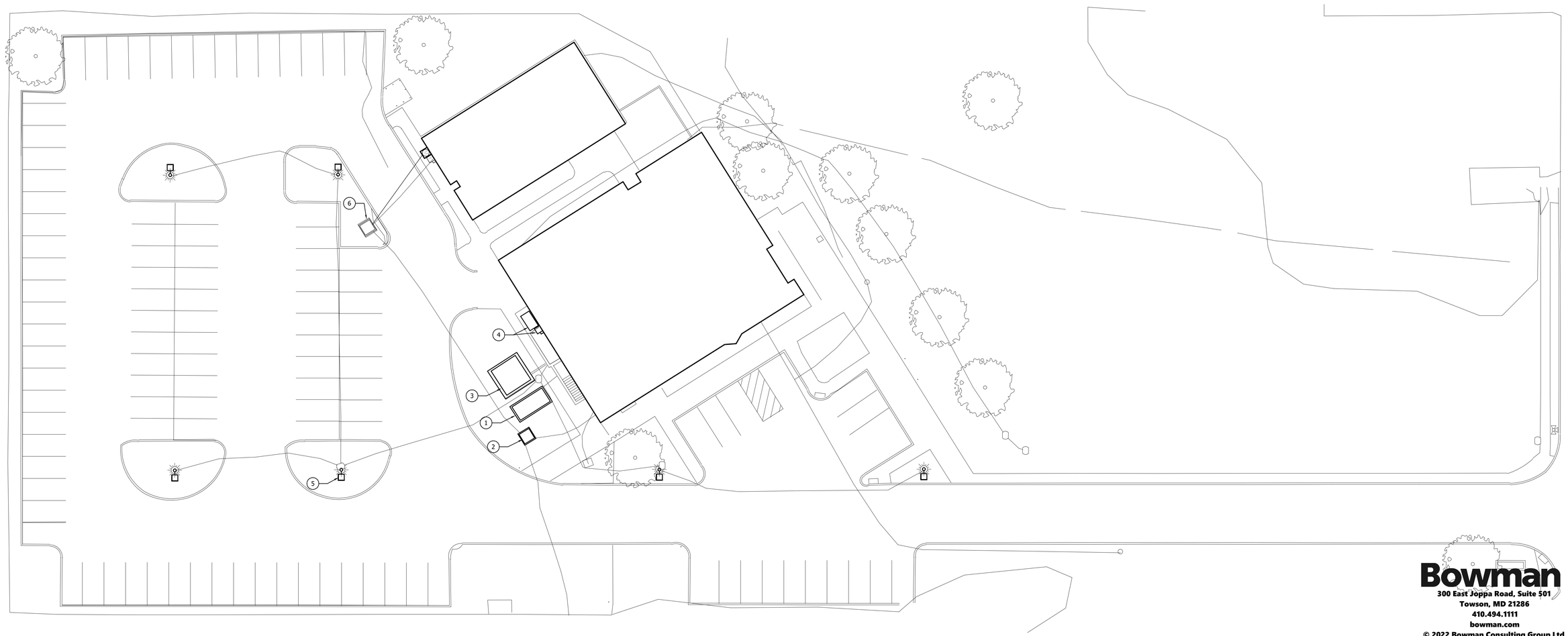
TYPE	KVA	HP
R	0.8	
R	1.0	
R	1.2	
R	1.2	
R	0.8	
R	1.2	
R	1.0	
R	1.0	
R	1.0	
R	1.2	
R	1.0	
R	0.8	
R	1.2	
R	1.0	
R	1.2	
R	1.0	
R	0.8

DRAWING NOTES

1. RX EMERGENCY GENERATOR AND ASSOCIATED CONDUIT AND WIRING TO EXISTING ATS AND EMERGENCY PANELS WITHIN THE BUILDING. GENERATOR SHALL BE TURNED OVER TO THE OWNER.
2. EXISTING POWER COMPANY TRANSFORMER SERVING THE EXISTING POLICE STATION BUILDING TO BE REMOVED DURING CONSTRUCTION. REMOVAL AND RELOCATION OF TRANSFORMER WITH POWER COMPANY.
3. RX SERVICE CONDUCTORS CURRENTLY DEMOED HVAC UNIT IN THEIR ENTIRETY BACK TO SOURCE PANEL INCLUDING ANY DISCONNECT SWITCHES OR CIRCUIT BREAKERS.
4. RX HVAC CONDENSING UNIT AND ASSOCIATED DISCONNECT ON THE WALL. RX ASSOCIATED CONDUIT AND WIRING IN ITS ENTIRETY BACK TO SOURCE.
5. RX COBRA HEAD SITE LIGHTING INCLUDING ASSOCIATED POLE AND CONDUIT AND WIRING BACK TO SOURCE. TYPICAL OF 6.
6. EX POWER COMPANY TRANSFORMER SERVING ANNEX BUILDING TO REMAIN DURING FIRST PHASE OF CONSTRUCTION. COORDINATE REMOVAL OF TRANSFORMER AND ASSOCIATED SERVICE CONDUCTORS, DISCONNECT AND METER DURING SECOND PHASE OF PROJECT.

ELECTRICAL PHASING NOTES

PHASE 1 CONSTRUCTION	EXISTING POWER CO TRANSFORMER AND ASSOCIATED DISTRIBUTION PANEL TO REMAIN TO PROVIDE SERVICE TO BUILDING DURING CONSTRUCTION OF AREA A.
	EXISTING EMERGENCY GENERATOR AND ASSOCIATED ATC AND EMERGENCY PANEL TO REMAIN TO PROVIDE EMERGENCY SERVICE TO AREA A BUILDING AND ANNEX BUILDING DURING CONSTRUCTION OF AREA B.
	INSTALL C/T CABINET AND ASSOCIATED SERVICE EQUIPMENT IN AREA B MAIN ELECTRICAL ROOM. INSTALLATION OF NEW EMERGENCY GENERATOR AND ASSOCIATED CONNECTIONS TO EMERGENCY EQUIPMENT IN MAIN ELECTRICAL ROOM. ONCE AREA B IS FULLY OCCUPIED, EXISTING SERVICE EQUIPMENT AND GENERATOR SHALL BE REMOVED.
PHASE 2 CONSTRUCTION	DEMOLITION OF ANNEX BUILDING AND ASSOCIATED ELECTRICAL POWER CO TRANSFORMER.
	INSTALLATION OF NEW POWER CO TRANSFORMER, C/T CABINET AND ALL NECESSARY CONNECTIONS TO MAIN ELECTRICAL ROOM EQUIPMENT
	INSTALLATION OF NEW EMERGENCY GENERATOR AND ASSOCIATED CONNECTIONS TO EMERGENCY EQUIPMENT IN AREA A MAIN ELECTRICAL ROOM.



ELECTRICAL SITE PLAN - DEMOLITION

SCALE: 1"=20'-0"

SCALE: 1" = 20'

20 0 20

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 telfax 410-625-4514 fax
229 West Market Street, York, Pennsylvania 17401 717-848-6827 telfax 717-845-2448 fax

DWG. FILENAME: C:\Users\bcallison\Documents\Essex Police Station - Central File - Rvt 2021_kevincallison.rvt

SEAL: STATE OF MARYLAND · DENTON J. TWARDUS · 51627 · PROFESSIONAL ENGINEER

DATE: JULY 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: 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE: PLAN SCALE: 1" = 20'-0" | PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER | DATE:

DGN BY: KEC / DJT | 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

ESSEX POLICE PRECINCT - 11

ELECTRICAL DEMOLITION SITE PLAN

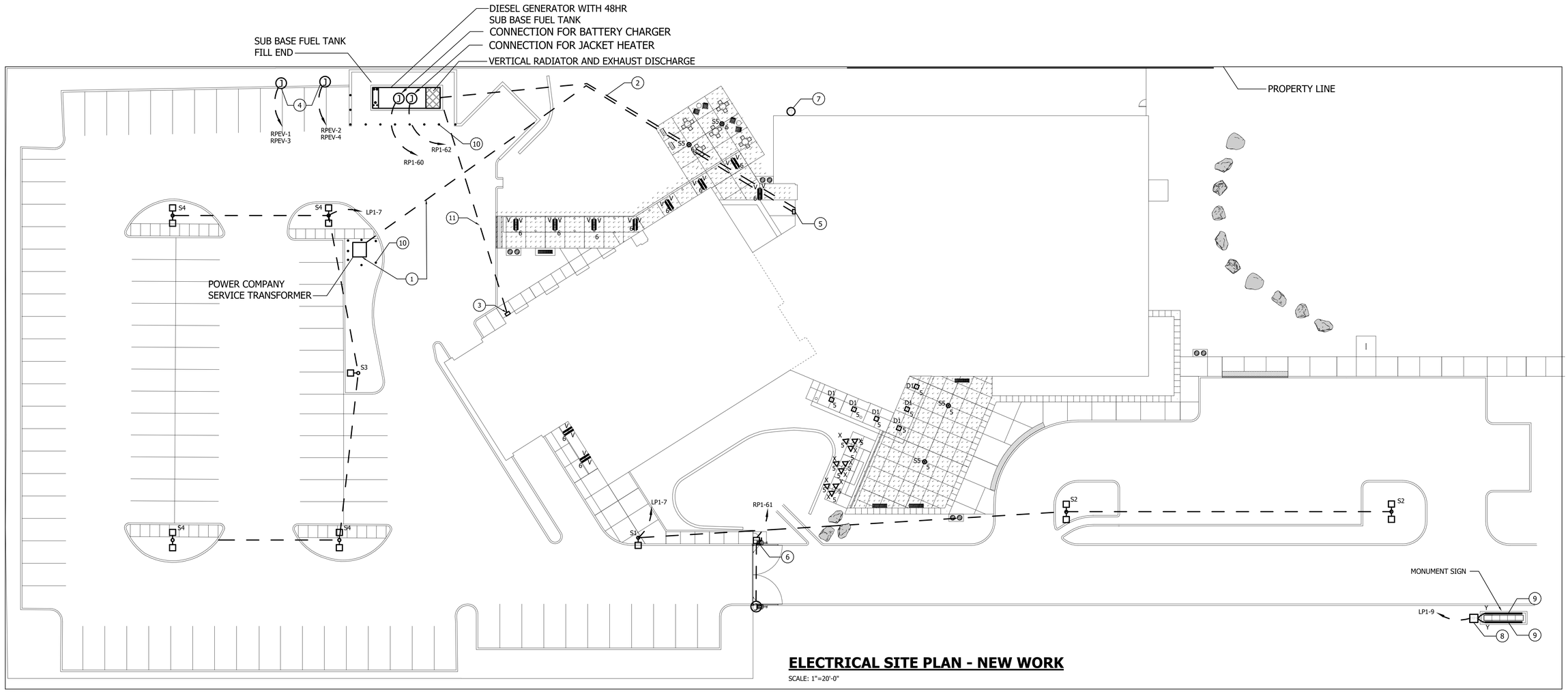
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
ES101	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 258 OF 295
	DRAWING NUMBER
	2025 - 1149
	FILE NO.: 8



ELECTRICAL SITE PLAN - NEW WORK

SCALE: 1"=20'-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/CONDUITS/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 GRADE.
7. PROVIDE ALL HANDHOLES AS REQUIRED, SIZED BY NEC.

DRAWING NOTES

1. PAD MOUNTED SERVICE TRANSFORMER AND SECONDARY DUCTBANK TO EXTERIOR CT CABINET. REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. GENERATOR CONDUITS. REFER TO DETAIL - GENERATOR CONDUIT ON DRAWING E701 FOR ADDITIONAL INFORMATION.
3. GENERATOR DOCKING STATION.
4. CHARGER TO BE PROVIDED BY BALTIMORE COUNTY AND INSTALLED BY CONTRACTOR. INSTALL CONDUIT WIRING, BASE, ETC FOR INSTALLATION OF EV CHARGER. COORDINATE WITH COUNTY'S EV CHARGER MANUFACTURER FOR ALL ROUGH-INS PRIOR TO INSTALL.
5. BGE CT CABINET AND METER. REFER TO BUILDING PLAN AND POWER RISER FOR ADDITIONAL INFORMATION.
6. 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 ROUGH-IN.
7. PROVIDE LIGHTING SYSTEM PHOTOCELL FOR CONTROL OF EXTERIOR AND SITE LIGHTING. LOCATE ON ROOF WHERE MAXIMUM EXPOSURE TO NATURAL LIGHT AND MINIMUM EXPOSURE TO ARTIFICIAL LIGHT.
8. PROVIDE 12X18 HANDHOLE FOR ROUTING OF MONUMENT SIGN LIGHTING CIRCUITS. COORDINATE EXACT LOCATION WITH SIGN MANUFACTURER, CIVIL AND LANDSCAPE CONTRACTOR.
9. TYPE Y LIGHTING FIXTURES LOCATED IN GRADE ALONG SIDE OF MONUMENT SIGN. LOCATE FIXTURES A MINIMUM OF 12" AWAY FROM SIGN BASE IN GRAVEL AREA AROUND SIGN. COORDINATE EXACT LOCATION WITH SIGN MANUFACTURER, CIVIL AND LANDSCAPE CONTRACTOR PRIOR TO ROUGHIN.
10. 6" CONCRETE FILLED STEEL TRAFFIC BOLLARDS. TYPICAL.
11. GENERATOR CONDUITS TO DOCKING STATION. REFER TO DETAIL - GENERATOR CONDUIT ON DRAWING E701 FOR ADDITIONAL INFORMATION.

SCALE: 1" = 20'

20 0 20

Bowman
300 East Joppa Road, Suite 501
Towson, MD 21286
410.494.1111
bowman.com

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Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4623 voice 410-625-4574 fax
226 West Market Street, York, Pennsylvania 17401 717-848-6827 voice 717-845-3486 fax

DWG. FILENAME: C:\Users\kedillson\Documents\Essex Police Station - Central File - Rvt 2021_kevinedillson.rvt

SEAL: STATE OF MARYLAND — KEVIN J. TWIGG — 21627 — PROFESSIONAL ENGINEER — 7/14/2025

DATE: JULY 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 12-06-26

ENGINEER: BOWMAN CONSULTING ENGINEERS

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: KEC/DJT
DRW BY: KEC
CHKD BY: DJT

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.

R.O.W NO.

KEY SHEET: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE
PLAN SCALE: 1" = 20'-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

ESSEX POLICE PRECINCT - 11

ELECTRICAL NEW WORK SITE PLAN

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
ES201	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 259 OF 295
	DRAWING NUMBER
	2025 - 1150
	FILE NO.: 8

HYDRANT FLOW TEST

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

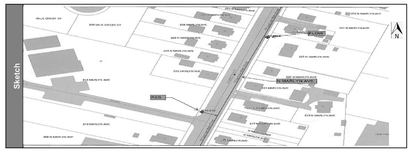
From Header

Date of Test	March 31, 2025	Flow Hydrant Make	Mueller	
Work Order No.	1430220	Flow Hydrant Year		
Property Address	Essex Police Precinct 11, 216 Marlyn Avenue,Baltimore, MD	Outlet Diameter	4.5	inches
District	Essex	Main Size (inch)	12	inches
Plat No.	AA-41	Flow Hydrant Opened		turns
Balto City/Co	Baltimore County	Flow Hydrant Extent		
Water Zone	First Zone	Flow Hydrant Elev.		
Applicant Name	Jay Powell, PE	Residual Hydrant Make		
Applicant Number	301-802-1583	Residual Hydrant Year		
Applicant Company	WFT Engineering	Residual Hydrant Elev.		
Reason for Test	Sprinkler Design	Main Size (inch)	12	inches
Comments:		Report Prepared By:	BOB S.	
		QA/QC By:		

Test Data

Residual Hydrant "R" or "RES"			Flow Hydrant "F" or "FLOW"		
Asset Location: FH- 216 Marlyn Avenue	Static Pressure (psi):	62	Asset Location: FH-227 N. Marlyn Ave	Measured Flow (gpm):	2471
	Residual Pressure (psi):	40		Calculated Flow at 20 psi (gpm):	3503.638313
Asset Number: 013013	Pressure Drop:	22	Asset Number: 011858		
	Pressure Drop to 20 psi:	42		Flow Calculation:	$Q_{rated} = Q \times \frac{(P_{static} - 20)^{.54}}{(P_{static} - P_{residual})^{.54}}$

Sketch



Telephone: (410) 396-0009/0024 2331 North Fulton Ave, Baltimore, MD 21217 email: DPW.fireflowtest@baltimorecity.gov

SPRINKLER ZONE SCHEDULE

LEVEL	AREA (GSF)	# OF ZONES
LOWER	7,155	1
01	17,354	1
TOTAL	24,509	2

SYMBOLS

- DRAWING NOTE
- FIRE SUPPRESSION RISER DESIGNATION
- TAG NUMER / PARTIAL PLAN REFERENCE / DRAWING NUMBER
- CENTERLINE
- PIPE UP
- PIPE DOWN
- PIPE CONTINUING
- FIRE SPRINKLER MAIN PIPING
- FIRE SERVICE PIPING
- SPRINKLER DRAIN PIPING
- PREACTION SPRINKLER PIPING
- FIRE STANDPIPE PIPING
- VALVE W/ TAMPER SWITCH
- FLOW SWITCH
- TAMPER SWITCH
- BACKFLOW PREVENTER
- PRESSURE GAUGE
- 2-1/2" FIRE HOSE VALVE W/ 1-1/2" REDUCER & CAP
- RISER LOCATION
- FIRE DEPARTMENT CONNECTION
- PUMP TEST HEADER
- VALVE GENERAL
- OS & Y VALVE
- PREACTION VALVE ASSEMBLY
- CHECK VALVE
- CLOSELY SPACED SPRINKLERS . TYCO WS SERIES SEE FLOOR PLANS AND DETAILS FOR SPECIFIC NOTES ON HEAD TYPE AND PLACEMENT
- FIRE HOSE VALVE CABINET
- SPRINKLER HEAD

ABBREVIATIONS

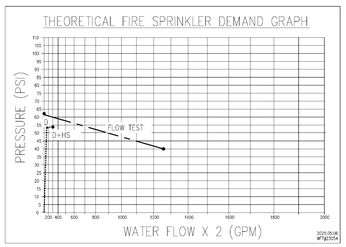
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
A.P.	ACCESS PANEL
APPROX	APPROXIMATELY
BAS	BUILDING AUTOMATIZATION SYSTEM
BOS	BOTTOM OF SHAFT
BETW	BETWEEN
BFP	BACK FLOW PREVENTER
BOT	BOTTOM
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
DN	DOWN
DPV	DRY PIPE VALVE
ED	EMERGENCY DRAIN
EMR	ELEVATOR MACHINE ROOM
F	FLOW SWITCH
FHV	FIRE HOSE VALVE
GAL	GALLON
GPM	GALLONS PER MINUTE
HSW	HORIZONTAL SIDEWALL SPRINKLER
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
N.T.S.	NOT TO SCALE
P	PRESSURE SWITCH
PAV	PREACTION SYSTEM VALVE
PH	PHASE
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
SSP	STANDARD SPRAY PENDENT SPRINKLER
SSU	STANDARD SPRAY UPRIGHT SPRINKLER
STDP	STANDPIPE
T	TAMPER SWITCH
TOS	TOP OF SHAFT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNC	UNIFIED COURSE THREAD
UNGD	UNDERGROUND
W/	WITH

FIRE PROTECTION GENERAL NOTES

1. ENTIRE BUILDING SHALL BE PROTECTED WITH A FIRE SPRINKLER SYSTEM. THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE, THE 2019 EDITIONS OF NFPA 13 AND ALL AHJ REQUIREMENTS. THE FIRE SPRINKLER SYSTEM DESIGNS FOR THE VARIOUS HAZARDS WITHIN THE BUILDING SHALL BE DETERMINED USING NFPA 13 DESIGN CRITERIA.
2. THESE PLANS ARE DIAGRAMMATIC ONLY. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN IT'S EXACT LOCATION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINAL EQUIPMENT LOCATION AND SIZING TO PROVIDE AN APPROVED TURN-KEY SYSTEM PER THE APPLICABLE CODES AND STANDARDS.
3. SPRINKLER CONTRACTOR SHALL PREPARE SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND EQUIPMENT DATA SHEETS AND SUBMIT THEM TO ARCHITECT/ENGINEER FOR ACCEPTANCE PRIOR TO SUBMISSION TO THE AHJ FOR APPROVAL. INSTALLATION PERFORMED PRIOR TO ACCEPTANCE AND APPROVAL IS 'AT-RISK' AND SHALL BE CORRECTED WITHOUT COST IMPACT TO THE OWNER.
4. SHOP DRAWING SUBMITTALS MUST BE COMPLETE AND EXECUTED PER NFPA 13 CHAPTER 22. SUBMITTAL SHALL BE ONE COMPLETE PACKAGE INCLUDING BUT NOT LIMITED TO ALL PLANS, HYDRAULIC CALCULATIONS, CURRENT HYDRANT FLOW TEST DATA, AND MATERIAL DATASHEETS. NO EXCEPTIONS; PIECE-MEAL SUBMISSIONS WILL BE AUTOMATICALLY REJECTED. SEE DIVISION 210000 SPECIFICATIONS FOR EXPLICIT DETAILS REGARDING DELEGATED DESIGN PERFORMANCE STANDARDS AND EXPECTATIONS FOR SHOP DRAWING SUBMITTALS.
5. RESUBMISSIONS MUST BE ACCOMPANIED BY AN ITEMIZED RESPONSE LETTER ON THE FIRE SPRINKLER CONTRACTOR'S LETTER HEAD. EACH REVISION SHALL BE CLOUDED ON PLAN AND THOROUGHLY EXPLAINED IN SAID LETTER. 'WILL COMPLY IS NOT AN ACCEPTABLE ANSWER.
6. WATERFLOW TEST USED FOR PREPARATION OF SYSTEM DESIGN SHALL BE CONDUCTED NO MORE THAN 12 MONTHS PRIOR TO THE CONTRACTOR'S SHOP DRAWING SUBMITTAL. OFFICIAL TEST REPORT FROM WATER PURVEYOR MUST BE INCLUDED WITH THE DRAWING SUBMITTAL.
7. ALL PIPING SHALL BE SIZED BASED ON HYDRAULIC CALCULATIONS. ALL CALCULATIONS SHALL EXTEND TO THE EFFECTIVE POINT OF WATER SUPPLY WHERE THE CHARACTERISTICS OF THE WATER SUPPLY ARE KNOWN. ALL CALCULATIONS SHALL HAVE A MINIMUM SAFETY FACTOR OF 10PSI OR 10% OF THE KNOWN WATER SUPPLY, WHICHEVER IS GREATER.
8. ALL MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13 AND THE PROJECT SPECIFICATIONS.
9. ALL DRAIN PIPE AND ASSOCIATED FITTINGS SHALL BE GALVANIZED SCHEDULE 40. NO EXCEPTIONS.
10. ALL SPRINKLERS SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13, THE AHJ, AND THE PROJECT SPECIFICATIONS. ALL SPRINKLERS SHALL BE QUICK-RESPONSE TYPE, EXCEPT IN AREAS WHERE NOT LISTED FOR USE. ALL SPRINKLERS IN ELEVATOR MACHINE ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS AND ELEVATOR SHAFTS SHALL BE INTERMEDIATE TEMPERATURE CLASSIFICATION UNLESS NOTED OTHERWISE.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SELECTION OF SPECIFIC APPLICATIONS FOR SPRINKLER HEAD TEMPERATURE CLASSIFICATIONS SATSIFIES THE REQUIREMENTS OF NFPA 13 CHAPTER 8.3.2.
12. HANGERS, STRAPS AND CLAMPS SHALL CONSIST OF APPROVED MATERIALS AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. THE MANUFACTURER'S RECOMMENDATIONS AND UTILIZE UL LISTED OR FM APPROVED COMPONENTS. SHOOT-IN ANCHORS SHALL NOT BE UTILIZED ON SPRINKLER MAINS; BULK, CROSS, FEED, OR OTHERWISE.
13. ALL CONTROL VALVES IN THE SPRINKLER SYSTEM SHALL BE INDICATING TYPE VALVES WITH SUPERVISORY SWITCHES.
14. SPRINKLER FLOW INDICATORS, CONTROL VALVES, AND DRAIN VALVES MUST BE ACCESSIBLE AND MUST HAVE A NOTIFICATION MARKING TAG INDICATING LOCATION IF THEY ARE CONCEALED ABOVE THE CEILING.
15. CONTRACTOR SHALL PROVIDE FOR LABOR AND MATERTIALS TO ACCOMPLISH ALL ACCEPTANCE TESTS PER NFPA 13, 14 & 20 IN ADDITION TO REQUIREMENTS OF THE AHJ.
16. PROVIDE SPRINKLER CONTROL ASSEMBLIES (ISOLATION SHUT-OFF VALVES AND TAMPER SWITCHES) FOR ALL ELEVATOR MACHINE ROOMS, ELEVATOR HOIST-WAYS, AND COMPUTER MAIN FRAME ROOMS. ALL SPRINKLER CONTROL ASSEMBLIES ARE TO BE LOCATED OUTSIDE OF THE ROOM SERVED IN AN ACCESSIBLE LOCATION.
17. PROVIDE AUXILIARY DRAINS FOR SYSTEM PIPING FOR PORTIONS OF SYSTEM THAT CANNOT BE DRAINED THROUGH MAIN OR ZONE VALVE ASSEMBLIES IN ACCORDANCE WITH NFPA 13.
18. WATERFLOW, PRESSURE AND TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY THE FIRE SPRINKLER CONTRACTOR. THESE DEVICES WILL BE CONNECTED TO THE FIRE ALARM SYSTEM BY THE FIRE ALARM CONTRACTOR. FIRE SPRINKLER CONTRACTOR IS REQUIRED TO COORDINATE LOCATIONS AND PROVIDE FOR TESTING OF SPRINKLER MONITORING DEVICES WITH THE FIRE ALARM CONTRACTOR.
19. SPRINKLER HEAD AND PIPING LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL CONDITIONS AND ALL OTHER TRADES PRIOR TO ANY INSTALLATION. DO NOT INSTALL SPRINKLER HEADS OR PIPING DIRECTLY OVER ELECTRICAL EQUIPMENT.
20. SPRINKLERS WITHIN FINISHED AREAS WITH SUSPENDED CEILINGS SHALL BE CONCEALED FLUSH TYPE PENDENT SPRINKLERS. CONTRACTOR SHALL COORDINATE FINISH WITH ARCHITECT AND SUBMIT SAMPLES PRIOR TO PURCHASE AND INSTALLATION. ALL HEADS SHALL BE CENTER OF TILE, ALIGNED AND COORDINATED WITH OTHER FIXTURES.
21. PENETRATION OF FIRE RESISTANCE RATED BARRIERS BY PIPING SHALL BE SEALED BY THE CONTRACTOR WITH A U.L. CLASSIFIED THROUGH PENETRATION SYSTEM CAPABLE OF MAINTAINING THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLY PENETRATED.
22. ALL SHAFTS, INCLUDING BUT NOT LIMITED TO HOISTWAY AND STAIR, SHALL BE SPRINKLERED PER NFPA 13 REQUIREMENTS AND THE AUTHORITY HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE ALARM CONTRACTOR AND INSPECTORS.
23. CONTRACTOR SHALL COORDINATE INSTALLATION CLOSELY WITH THE OWNER/ARCHITECT/ENGINEER AND SUPPLEMENTAL DETAILS PROVIDED IN THE CONSTRUCTION DOCUMENTS.
24. CONTRACTOR IS RESPONSIBLE FOR FIRE SPRINKLER INSTALLATION ABOVE AND BELOW FLOATING CEILINGS WHERE APPLICABLE PER NFPA 13.AS ENFORCED BY THE AUTHORITY HAVING JURISDICTION. COORDINATE INSTALLATION METHODS CLOSELY WITH THE ARCHITECT'S REFLECTED CEILING PLANS.
25. ALL FIRE PROTECTION GAUGES SHALL COMPLY WITH NFPA 13 CHAPTER 8.17.3 AND SHALL BE INSTALLED IN 3-WAY VALVES WITH THE UNUSED OUTLET PLUGGED.
26. BAFFLE CEILING AREAS SHALL BE PROTECTED PER NFPA 13 CHAPTER 8.15.14 UTILIZING UPRIGHT SPRINKLER HEADS. WHERE HEADS CANNOT BE LOCATED ABOVE CEILINGS TO AVOID SPRAY OBSTRUCTIONS PER NFPA 13, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ABOVE AND BELOW PROTECTION. LOWER LEVEL HEADS SHALL BE PENDENTS WITH THE DEFLECTOR LOCATED 1" BELOW THE BAFFLE BOTTOM AND PROVIDED WITH SHEILDING PER NFPA 13 CHAPTER 8.5.5.3. COORDINATE SHIELD AND SPRINKLER HEAD COLOR CLOSELY WITH ARCHITECT PRIOR TO INSTALLATION.
27. PROVIDE SEISMIC BRACING TO SPRINKLER PIPE PER 2021 IBC TABLE 1604.5 CATEGORY IV AND SECTION 1613.1 EXCEPTION 4.
28. CLOSE-OUT DOCUMENTS SHALL INCLUDE THE FOLLOWING AND/OR EVIDENCE OF COMPLETION FOR THE FOLLOWING, SUBMITTED IN ONE COMPLETE, CONCISE, AND ORGANIZED PACKAGE:
    - COMPLETION OF ALL CONTRACT WORK DOCUMENTED BY A LETTER OF COMPLETION ON THE SPRINKLER CONTRACTOR'S COMPANY LETTERHEAD SIGNED BY THE ACTIVE PRESIDENT OF THE ORGANIZATION.
    - A WARRANTY LETTER DETAILING THE SCOPE, DURATION, AND EXTENTS OF THE WARRANTY AS DETAILED IN THE PROJECT SPECIFICATIONS.
    - SUCCESSFUL COMPLETION OF ALL INSPECTIONS BY THE AHJ.
    - CLOSEOUT OF ALL PERMITS
    - COMPLETION OF ALL PUNCHLIST ITEMS
    - OWNER TRAINING
    - SUBMISSION OF O&M MANUALS FOR EACH PIECE OF EQUIPMENT INSTALLED UNDER THIS CONTRACT
    - SUBMISSION OF ALL AS-BUILT DRAWINGS
    - COPIES OF ALL PERMITS
    - COPIES OF INSPECTION REPORTS INCLUDING NFPA 13, 14, 20, AND 25
    - COPIES OF ALL INSPECTION STICKERS
    - FINAL CLEAN UP OF ALL MATERIALS, EQUIPMENT, AND TOOLS
    - FINAL WALK THROUGH WITH THE OWNER

NOTE: PROJECT CLOSEOUT ITEMS LISTED ABOVE SHALL BE SUBMITTED IN A TABBED AND INDEXED BINDER. BINDER SHALL INCLUDE A TABBED DUPLICATE DIGITAL COPY. INCOMPLETE AND/OR UNORGANIZED SUBMISSIONS WILL BE AUTOMATICALLY REJECTED.

HYDRAULIC ANALYSIS GRAPH



SALLY PORT
ON GROUP 1 (0.15GPM/FT²)
OVERHEAD SYSTEM (0): 359GPM@54.4PSI
OUTSIDE HOSE DEMAND (HS): 250GPM
COMBINED DEMAND (0+HS):609GPM@54.4PSI

FLOW TEST DATA
DATE: MAR. 31, 2025

TEST BY:		BCDPW.
STATIC	=	62PSI
RESIDUAL	=	40PSI
MEASURED FLOW	=	2471GPM

FIRE SPRINKLER SYSTEM DESIGN CRITERIA

1. LIGHT HAZARD OCCUPANCIES:
   SYSTEMS SHALL BE DESIGNED AND CALCULATED AT 0.10 GPM/SQ. FT. OVER A REMOTE AREA OF 1500 SQ. FT. PLUS A COMBINED HOSE FLOW OF 100 GPM AND LEAVING A MINIMUM 10% OR 10PSI SAFETY FACTOR, WHICHEVER IS GREATER. MAXIMUM AREA PER SPRINKLER SHALL BE 225 SQ. FT.
2. ORDINARY HAZARD GROUP I OCCUPANCIES:
   SYSTEMS SHALL BE DESIGNED AND CALCULATED AT 0.15 GPM/SQ. FT. OVER A REMOTE AREA OF 1500 SQ. FT. PLUS A COMBINED HOSE FLOW OF 250 GPM AND LEAVING A MINIMUM 10% OR 10PSI SAFETY FACTOR, WHICHEVER IS GREATER. MAXIMUM AREA PER SPRINKLER SHALL BE 130 SQ. FT..
3. ORDINARY HAZARD GROUP II OCCUPANCIES:
   SYSTEMS SHALL BE DESIGNED AND CALCULATED AT 0.20 GPM/SQ. FT. OVER A REMOTE AREA OF 1500 SQ. FT. PLUS A COMBINED HOSE FLOW OF 250 GPM AND LEAVING A MINIMUM 10% OR 10PSI SAFETY FACTOR, WHICHEVER IS GREATER. MAXIMUM AREA PER SPRINKLER SHALL BE 130 SQ. FT.
4. EXTRA HAZARD GROUP II OCCUPANCIES:
   SYSTEMS SHALL BE DESIGNED AND CALCULATED AT 0.40 GPM/SQ. FT. OVER A REMOTE AREA OF 2500 SQ. FT. PLUS A COMBINED HOSE FLOW OF 500 GPM AND LEAVING A MINIMUM 10% OR 10PSI SAFETY FACTOR, WHICHEVER IS GREATER. MAXIMUM AREA PER SPRINKLER SHALL BE 100SQ. FT.

FIRE PROTECTION DRAWING INDEX

Sheet Number	Sheet Name
FP-001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
FP-101	BASEMENT FLOOR PLAN - FIRE PROTECTION
FP-102	FIRST FLOOR PLAN - WING A - FIRE PROTECTION
FP-103	FIRST FLOOR PLAN - WING B - FIRE PROTECTION
FP-301	SECTIONS
FP-401	ENLARGED PLANS
FP-501	DETAILS
FP-601	RISERS, DIAGRAMS AND SCHEDULES
FP-701	FIRST FLOOR PLAN - FIRE PROTECTION - CALCULATIONS
FP-901	ISOMETRICS

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201
410-625-4833 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
717-848-8877 voice 717-845-2449 fax

C:\Users\RBI\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rothsanab.rvt

DWG. FILENAME:

SEAL

STATE OF MARYLAND — RAJIV BHATIA — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 14, 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.							7NE28	PLAN SCALE:	NO SCALE	APPROVED BY:
LICENSE NO. 17825 EXPIRATION DATE 06/07/2026					R.O.W NO.	ISW	7NE29			PROPERTY MANAGER
ENGINEER:	DGN BY: DMI	CONTRACT COMPLETION BOX					8NE28	PROFILE SCALE:		DATE:
Ralph Jay Powell							8NE29			
AS-BUILT PER RECORD PRINT	DWN BY: DMI	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: RJP	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

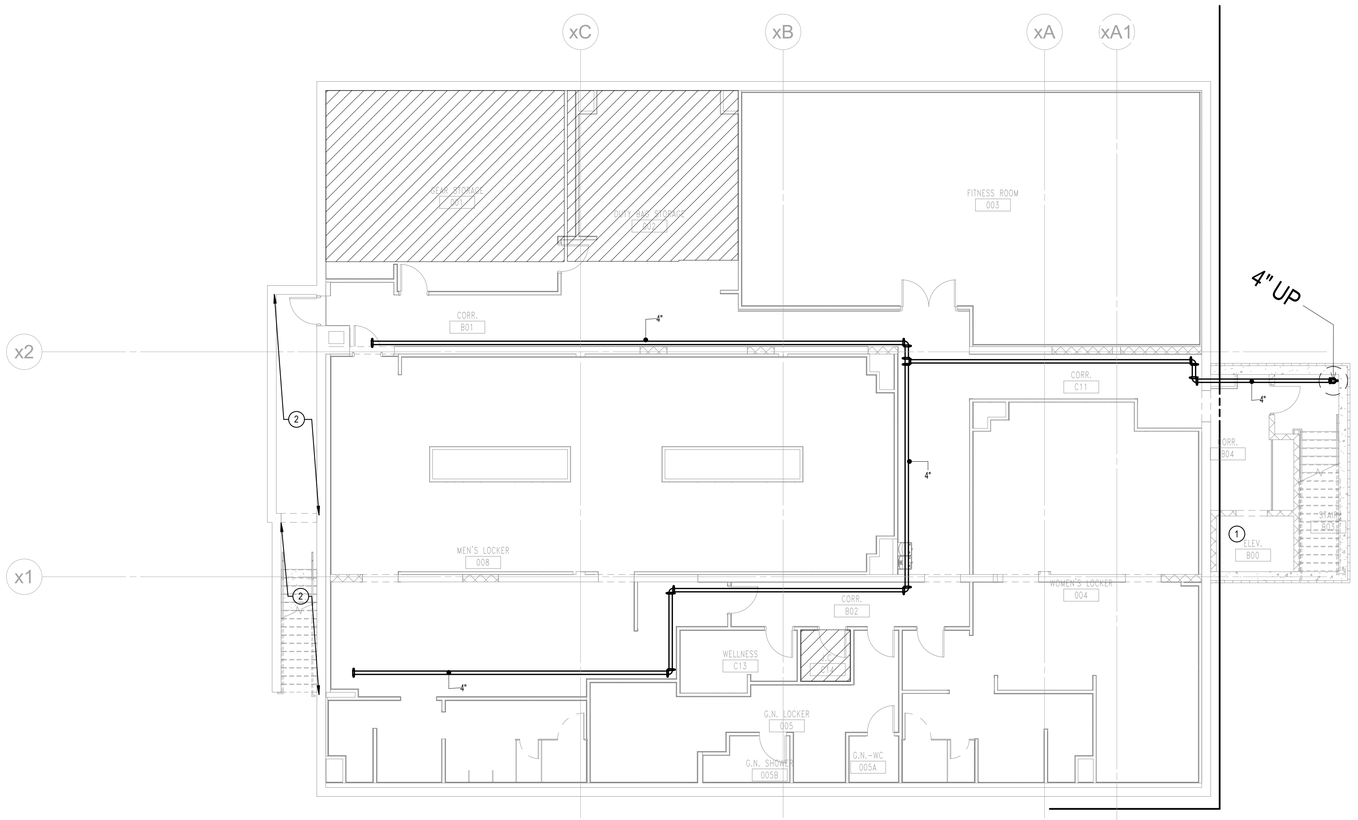
ESSEX POLICE PRECINCT - 11

SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX — 216 & 222 North Marlyn Ave, Essex, MD 21221 — ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-001	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
SHEET 260 OF 295	
DRAWING NUMBER	
2025 - 1151	
FILE NO.: 8	REV: 03/22



1 / FP-101

BASEMENT FLOOR PLAN - FIRE PROTECTION - CONSTRUCTION

SCALE: 1/8" = 1'-0"

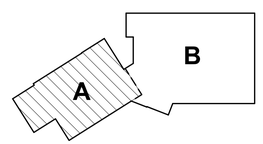
DRAWING NOTES

1. SPRINKLER ELEVATOR SHAFT AS REQUIRED / COORDINATED WITH NFPA 13 AND STATE ELEVATOR CODE. IF PROVIDED, INSTALL ELECTRONICALLY MONITORED ISOLATION VALVE TO INDEPENDANTLY ISOLATE SHAFT AND EMR SPRINKLERS. COORDINATE VALVE LOCATIONS WITH A/E TEAM FOR ACCESSIBILITY
2. SUBJECTED TO FREEZING AND REQUIRE DRY SIDEWALLS.

SPRINKLER HAZARD CLASSIFICATION LEGEND

NO HATCH	LIGHT HAZARD
	ORDINARY HAZARD - GROUP 1
	ORDINARY HAZARD - GROUP 2
	UN-SPRINKLERED SHAFT/CHASE

0 4'-0" 8'-0" 16'-0"



KEY PLAN - WING A

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401
717-848-4823 voice 717-845-2449 fax

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SEAL

STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825, EXPIRATION DATE 06/07/2026

ENGINEER:

Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DMI
DWN BY: DMI
CHKD BY: RJP

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

BASEMENT FLOOR PLAN - FIRE PROTECTION

RENOVATION & ADDITION

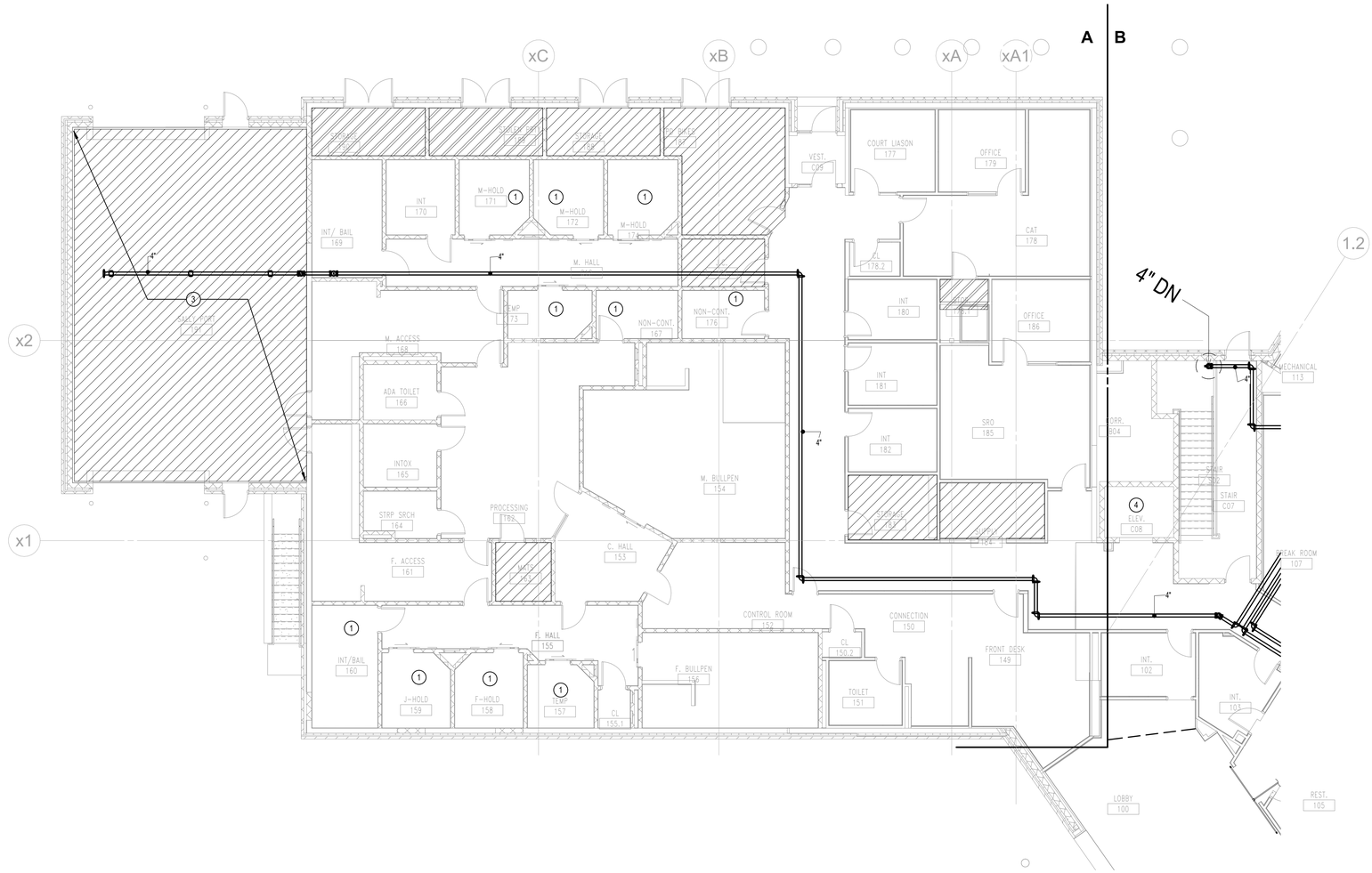
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
FP-101	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 261 OF 295
	DRAWING NUMBER
	2025 - 1152
	FILE NO.: 8 REV: 03/22



DRAWING NOTES

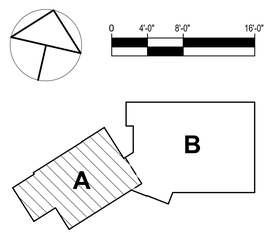
1. INSTITUTIONAL SPRINKLER HEADS REQUIRED IN THE HOLDING CELLS
2. PER ARCHITECT AREA WILL BE HEATED TO A MINIMUM OF 60 DEG F AT ALL TIMES
3. SPRINKLER ELEVATOR SHAFT AS REQUIRED / COORDINATED WITH NFPA 13 AND STATE ELEVATOR CODE. IF PROVIDED, INSTALL ELECTRONICALLY MONITORED ISOLATION VALVE TO INDEPENDANTLY ISOLATE SHAFT AND EMR SPRINKLERS. COORDINATE VALVE LOCATIONS WITH A/E TEAM FOR ACCESSIBILITY

2 FP-102 FIRST FLOOR PLAN - FIRE PROTECTION - CONSTRUCTION - WING A

SCALE: 1/8" = 1'-0"

SPRINKLER HAZARD CLASSIFICATION LEGEND

NO HATCH	LIGHT HAZARD
	ORDINARY HAZARD - GROUP 1
	ORDINARY HAZARD - GROUP 2
	UN-SPRINKLERED SHAFT/CHASE



KEY PLAN - WING A

WFT Engineering
1801 Research Blvd. Ste 100
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4874 fax
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SEAL: STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825 EXPIRATION DATE 06/07/2026

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DMI

DWN BY: DMI

CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - WING A - FIRE PROTECTION

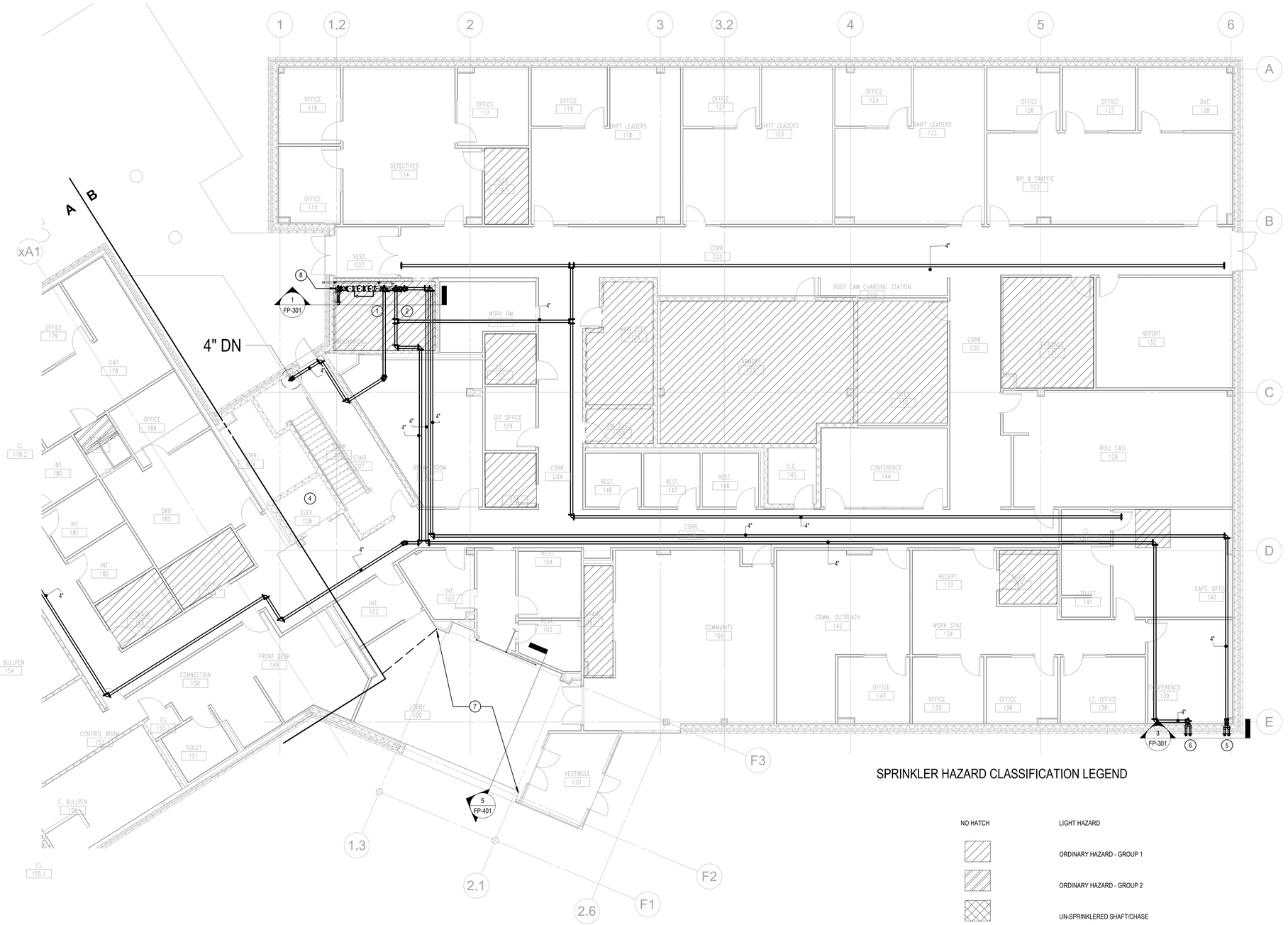
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-102	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 262 OF 295
	DRAWING NUMBER
	2025 - 1153
	FILE NO.: 8 REV: 03/03



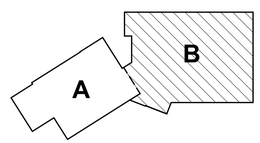
DRAWING NOTES

1. MAIN FOR BASEMENT
2. MAIN FOR FIRST FLOOR
3. FIRE DEPARTMENT CONNECTION
4. SPRINKLER ELEVATOR SHAFT AS REQUIRED / COORDINATED WITH NFPA 13 AND STATE ELEVATOR CODE. IF PROVIDED, INSTALL ELECTRONICALLY MONITORED ISOLATION VALVE TO INDEPENDANTLY ISOLATE SHAFT AND EMR SPRINKLERS. COORDINATE VALVE LOCATIONS WITH A/E TEAM FOR ACCESSIBILITY
5. FIRE DEPARTMENT CONNECTION. INSTALL AUTO DRIP DRAIN VALVE ON NORMAL DRY SIDE OF BALL VALVE. PIPE DRAIN TO EXTERIOR.
6. FORWARD FLOW BACKFLOW PREVENTER TEST HEADER
7. CEILING IS ELEVATED. PIPE IN LOBBY TO THE CEILING IS TO BE HIDDEN. COORDINATE WITH ARCHITECT DURING SHOP DRAWING PHASE. EXTENDED SIDEWALLS TO BE USED. SEE FP401
8. COMBINATION FIRE/DOMESTIC SERVICE

SPRINKLER HAZARD CLASSIFICATION LEGEND

NO HATCH	LIGHT HAZARD
	ORDINARY HAZARD - GROUP 1
	ORDINARY HAZARD - GROUP 2
	UN-SPRINKLERED SHAFT/CHASE

0 4'-0" 8'-0" 16'-0"



KEY PLAN - WING B

1 / FP-103 FIRST FLOOR PLAN - FIRE PROTECTION - CONSTRUCTION - WING B

SCALE: 1/8" = 1'-0"

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

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226 West Market Street, York, Pennsylvania 17401
717-845-8621 voice 717-843-2449 fax

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SEAL: STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER
DATE : JULLY 14, 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. 17825, EXPIRATION DATE 06/07/2026					R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE: 1/8" = 1'-0"	APPROVED BY: PROPERTY MANAGER
		CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
ENGINEER: Ralph Jay Powell	DGN BY: DMI	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:							
BY: DATE:	CHKD BY: RJP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - WING B - FIRE PROTECTION

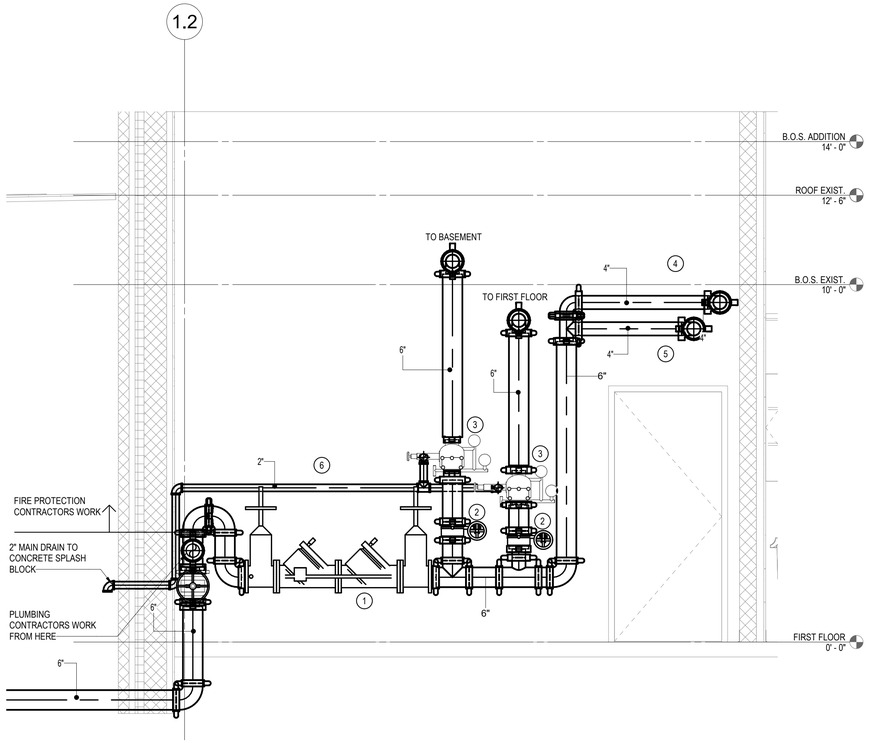
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

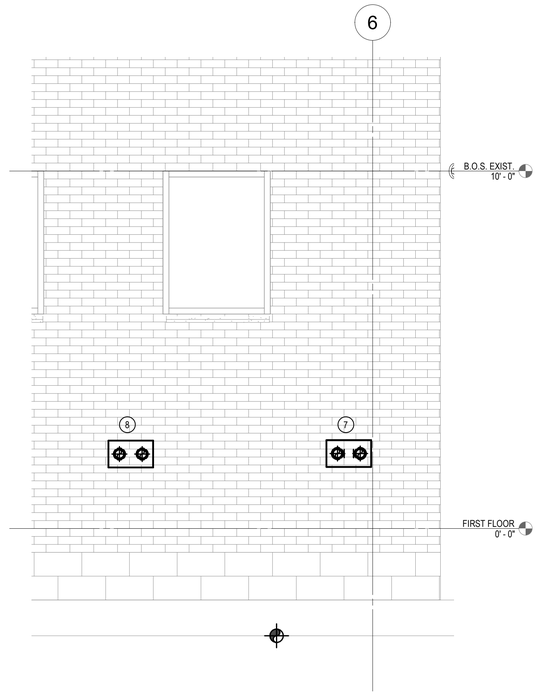
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-103	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 263 OF 295	
DRAWING NUMBER	2025 - 1154
FILE NO.: 8	REV: 1972



1 FP-301 SCALE: 1/2" = 1'-0"

SYSTEM RISER



3 FP-301 SCALE: 1/2" = 1'-0"

FDC AND TEST HEADER

DRAWING NOTES

1. 6" DOUBLE CHECK BACKFLOW PREVENTER
2. ELECTRONICALLY MONITORED BUTTERFLY VALVE
3. 6" ALARM CHECK VALVE
4. PIPELINE SUPPLYING FDC
5. PIPELINE SUPPLYING THE BACKFLOW PREVENTER TEST HEADER
6. MAIN DRAIN LINE. ROUTE OUTSIDE TO GRADE. ALL DRAIN PIPE TO BE GALVANIZED
7. FDC
8. FORWARD FLOW TEST HEADER

SEAL

STATE OF MARYLAND · RALPH JAY POWELL · 17825 · PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825 EXPIRATION DATE 06/07/2026

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DMI

DWN BY: DMI

CHKD BY: RJP

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28, 7NE29, 8NE28, 8NE29

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:							

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wft@wfteng.com
WFT Project No. 23054

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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

SECTIONS

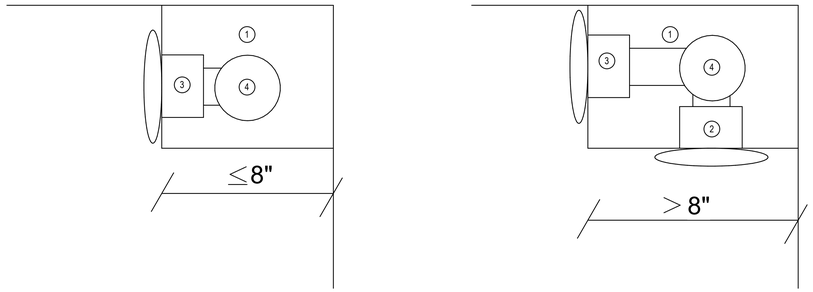
RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-301	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 264 OF 295
	DRAWING NUMBER
	2025 - 1155
	FILE NO.: 8 REV. 03/22

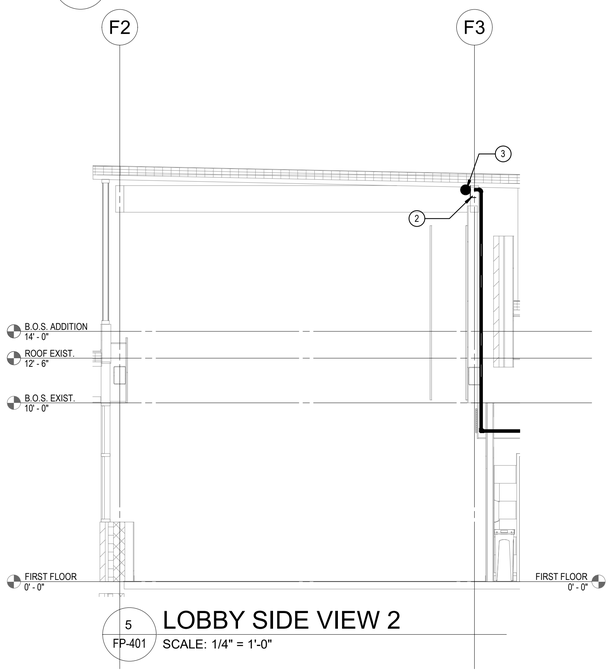


DRAWING NOTES

1. HOLLOW BEAM AGAIST WALL. IF HOLLOW BEAM IS LESS THAN 8", SPRINKLER PENDENT CAN BE OMMITED FROM BEAM.
2. CONCEALED SPRINKLER HEAD - COLOR OF CONCEALED PLATE TO BE COORDINATED WITH ARCHITECT. PLATE TO BE FACTORY PAINTED BY SPRINKLER HEAD MANUFACTURER TO MAINTAIN UL LISTING.
3. EXTENDED COVERAGE CONCEALED SPRINKLER HEAD - COLOR OF CONCEALED PLATE TO BE COORDINATED WITH ARCHITECT. PLATE TO BE FACTORY PAINTED BY SPRINKLER HEAD MANUFACTURER TO MAINTAIN UL LISTING.
4. THIS IS A PROOF OF CONCEPT TO SHOW AN EXAMPLE OF HOW TO RUN PIPE AND A SPRINKLER HEAD THROUGH A HOLLOW BEAM. ACTUAL CONSTRUCTION WILL BE DIFFERENT IN FINAL DESIGN AND WILL NEED TO BE COORDINATED WITH THE CONTRACTOR.

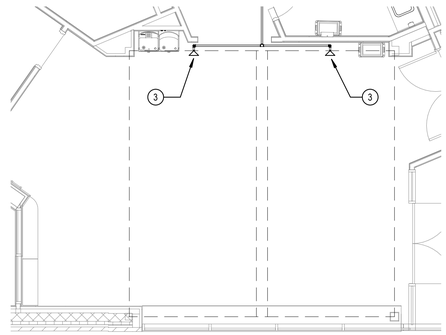
4 / FP-401 — FIRE PROTECTION HOLLOW BEAM DETAILED VIEW 2

SCALE: 1/2" = 1'-0"



5 / FP-401 — LOBBY SIDE VIEW 2

SCALE: 1/4" = 1'-0"



7 / FP-401 — LOBBY LAYOUT 2

SCALE: 3/16" = 1'-0"

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SHEET DESIGNATION	CONTRACT NUMBER
FP-401	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 265 OF 295
	DRAWING NUMBER
	2025 - 1156
	FILE NO.: 8 REV: 03/03

SEAL

STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825 EXPIRATION DATE 06/07/2026

ENGINEER:

Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DMI

DWN BY: DMI

CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

ENLARGED PLANS

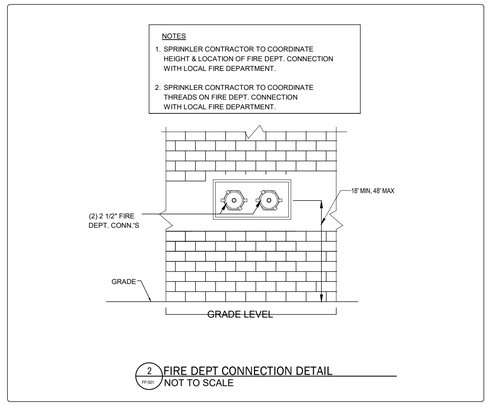
RENOVATION & ADDITION

SUBDIVISION: ESSEX

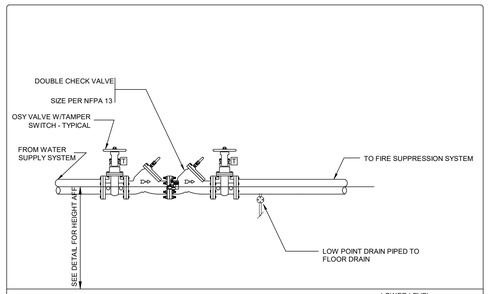
216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND



2 FP-501 FIRE DEPT CONNECTION DETAIL
NOT TO SCALE



1 FP-501 BACKFLOW PREVENTER ASSEMBLY DETAIL
NOT TO SCALE

VIKING® | TECHNICAL DATA | INSTITUTIONAL SPRINKLERS K5.6

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com
Visit the Viking website for the latest edition of this technical data page www.vikinggroupinc.com

1. DESCRIPTION

Viking Institutional Style Sprinklers are small, flush, solder link and lever sprinklers made with tamper-resistant construction. These flush-mount sprinklers can be ordered as Quick Response, Quick Response-Extended Coverage, and as Pendent or Horizontal Sidewall configurations. Additionally, the VK427 can be used as Standard Response (FM only). Viking institutional sprinklers have been specifically designed for use with concealed piping in institutional mental health occupancies, correctional facilities, or anywhere a likelihood of tampering with fire sprinklers by the occupants may exist.
The institutional sprinkler assembly consists of the sprinkler body and a 3 or 4 inch escutcheon plate. The sprinkler and escutcheon plate are available with a polished chrome or painted finish.





2. LISTINGS AND APPROVALS*

cULus Listed: Category VNIV

FM Approved: Class 2015 (VK427 ONLY)

* Refer to the Approval Charts and Design Criteria for requirements that must be followed.

NOTICE

THE VIKING CORPORATION DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES OR INJURY (INCLUDING DEATH) CAUSED BY THE OPERATION OR INOPERATION OF SPRINKLERS ARISING OUT OF THE MISUSE OF OR TAMPERING WITH VIKING BRAND SPRINKLERS INCLUDING, WITHOUT LIMITATION, ANY PERSONAL INJURY OR DEATH ARISING OUT OF OR CAUSED BY THE MANIPULATION OF, DISMANTLING OF, OR ATTEMPTED USE OF THE SPRINKLER OR ANY COMPONENT AS AN INSTRUMENT UNRELATED TO ITS INTENDED USE.

3. TECHNICAL DATA

Specifications:
Minimum Operating Pressure: 7 psi (0.5 bar)
Rated to: 175 psi (12 bar) water working pressure.
Factory tested hydrostatically to 500 psi (34.5 bar).
Thread size: 1/2" NPT or 15 mm BSPT
Nominal K-factor: 5.6 U.S. (80.6 metric**)
**Metric K-factor measurement shown is in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
Material Standards:
Sprinkler Body: QM Brass
Deflector: Pendent - Copper UNS-C23000 or UNS-C51000, HSW - Copper UNS-C51000
Deflector Pins: Stainless Steel 302
Button: UNS-C36000
Compression Screw: Brass UNS-C36000
Fusible Link Assembly: UNS-C51910 and Eutectic Solder
Fusible Link Levers: Stainless Steel UNS-S31600
Lever Bar: Copper Alloy UNS-C72500
Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with PTFE Tape
Seat: UNS-C31400 or UNS-C31600 Bronze 1/2 to full hard
Pin Ring: Pendent - Copper UNS-C23000, HSW - Copper UNS-C51000
Ordering Information: (Refer to Table 1 and the current Viking List Price Book.)

SIN	THREAD	DESCRIPTION
VK426	NPT	QR Pendent
VK650	NPT	QR EC Pendent
VK427	NPT	QR or SR[1] HSW
VK651	NPT	QR EC HSW
VK426	BSPT	QR Pendent
VK650	BSPT	QR EC Pendent
VK427	BSPT	QR or SR[1] HSW
VK651	BSPT	QR EC HSW

1. VK427 is FM Approved as Standard Response (SR)

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

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1 FP-501 INSTITUTIONAL SPRINKLERS
NOT TO SCALE

VIKING® | TECHNICAL DATA | INSTITUTIONAL SPRINKLERS K5.6

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com
Visit the Viking website for the latest edition of this technical data page www.vikinggroupinc.com

TABLE 1: ORDERING INFORMATION

INSTRUCTIONS:
Choose a sprinkler style and base part number then,
(1) add the suffix for the desired Finish
(2) add the suffix for the desired Temperature Rating.
(3) select an escutcheon plate and finish[4].

Style	Sprinkler Base Part Number	SIN	Size		1: Available Finishes		2: Available Temperature Ratings		
			NPT Inch	BSPT mm	Description	Suffix[1]	Nominal Rating	Max. Ambient Ceiling Temperature[2]	Suffix
QR Pendent	19663	VK426	1/2	--	Chrome	F	165 °F (74 °C)	100 °F (38 °C)	C
QR Pendent	20110	VK426	--	15	Painted white	M-/W	205 °F (96 °C)	150 °F (65 °C)	E
QR or SR[5] HSW	22885	VK427	1/2	--	Painted gray	M-/RAL9006			
QR or SR[5] HSW	22908	VK427	--	15					
QR EC Pendent	19876	VK650	1/2	--	**NOTE: The escutcheons are available with the same finishes as the sprinklers.**		3: Escutcheons[4]		
QR EC Pendent	20111	VK650	--	15			Description	Base Part Number	
QR EC HSW	22884	VK651	1/2	--			3" (75 mm)	23196	
QR EC HSW	22907	VK651	--	15			4" (100 mm)	23197	

Examples
Sprinkler: **19663MC/RAL9006** = VK426 Quick Response Pendent with Painted gray Finish and 165 °F (74 °C) Nominal temperature rating. This sprinkler is to be installed into an area with a maximum ambient temperature of 100 °F (38 °C) meaning if the area will experience temperatures above the maximum ambient rating, you shall use a higher temperature-rated sprinkler.
Escutcheon: **23196M/RAL9006** = 3" Diameter Escutcheon with Painted gray finish.

Accessories

Sprinkler Wrench (see Figure 1): Socket Wrench: Part No. 22847MB[2]
Retaining Flange (see Figure 1): Part Numer 10599 (includes 1/8" allen head set screw[3])
Sprinkler Cabinet: Holds Up to 6 sprinklers: Part number 01731A

Footnotes

1. Where a dash (-) is shown in the Finish suffix designation, insert the desired Temperature Rating suffix. See example above.
2. Requires a 1/2" ratchet which is not available from Viking.
3. Based on NFPA 13, NFPA 13R, and NFPA 13D. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.
4. The escutcheons are available with the same finishes as the sprinkler.
5. Requires a 1/8" allen wrench which is not available from Viking.
6. The VK427 is FM Approved as Standard Response. Refer the Approval Charts and design criteria for further details.

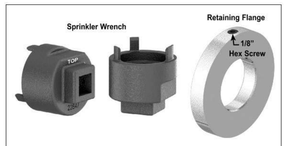


Figure 1: Sprinkler Accessories

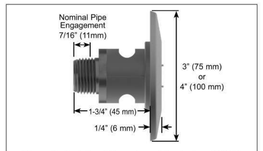


Figure 2: Sprinkler Dimensions (Pendent and HSW)

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VIKING® | TECHNICAL DATA | INSTITUTIONAL SPRINKLERS K5.6

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
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Figure 3: Sprinkler Components and Identification

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DWG. FILENAME:

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4833 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-848-4807 voice 717-845-3448 fax

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.: 17825, EXPIRATION DATE: 06/07/2026
ENGINEER: Ralph Jay Powell
AS-BUILT PER RECORD PRINT
BY:
DATE: JULLY 14, 2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
				ISW	7NE28	PLAN SCALE: NOT TO SCALE	APPROVED BY:
			R.O.W NO.		7NE29		PROPERTY MANAGER
					8NE28	PROFILE SCALE:	DATE:
CONTRACT COMPLETION BOX					8NE29		

	DGN BY:	DMI
	DWN BY:	DMI
	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

ESSEX POLICE PRECINCT - 11

DETAILS

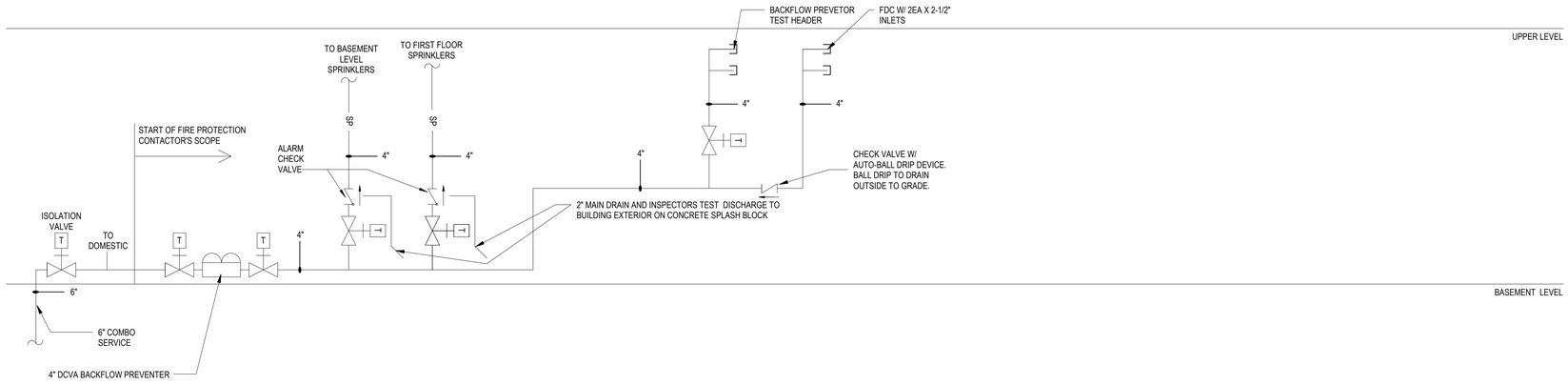
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 266 OF 295
	DRAWING NUMBER
	2025 - 1157
	FILE NO.: 8 REV. 03/22



1 FP-601 FIRE PROTECTION RISER DIAGRAM

NOT TO SCALE

NOTES:

1. LAYOUT IS A DIAGRAMMATIC REPRESENTATION ONLY AND NOT TO SCALE.
2. CONTRACTOR IS RESPONSIBLE FOR FINAL LAYOUT IN ACCORDANCE WITH ALL APPLICABLE, CODES, STANDARDS, AND REQUIREMENTS OF THE AHJ.
3. INFORMATION SHOWN ON THE RISER DIAGRAM SHALL BE CONSIDERED PRELIMINARY AND ILLUSTRATES DESIGN INTENT ONLY.
4. CONTRACTOR SHALL OBTAIN CURRENT FLOW TEST DATA AND VERIFY ALL PIPES SIZES SHOWN IN ACCORDANCE WITH CODES, STANDARDS, AND PROJECT SPECIFICATIONS AND SHALL INCREASE/DECREASE PIPE SIZES BASED ON THEIR OWN HYDRAULIC CALCULATIONS.
5. ALL PIPE 4" UON.
6. ALL DRAIN PIPE AND FITTINGS TO BE GALVANIZED

SEAL

STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 14, 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.							7NE28	PLAN SCALE:	1/4" = 1'-0"	APPROVED BY:
LICENSE NO. 17825 , EXPIRATION DATE 06/07/2026 .					R.O.W NO.	ISW	7NE29 8NE28 8NE29	PROFILE SCALE:		PROPERTY MANAGER
ENGINEER:	DGN BY: DMI	CONTRACT COMPLETION BOX								DATE:
Ralph Jay Powell		BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:								
BY: DATE:	CHKD BY: RJP	DATE REVIEWED:								

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4674 fax
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

RISERS, DIAGRAMS AND SCHEDULES

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

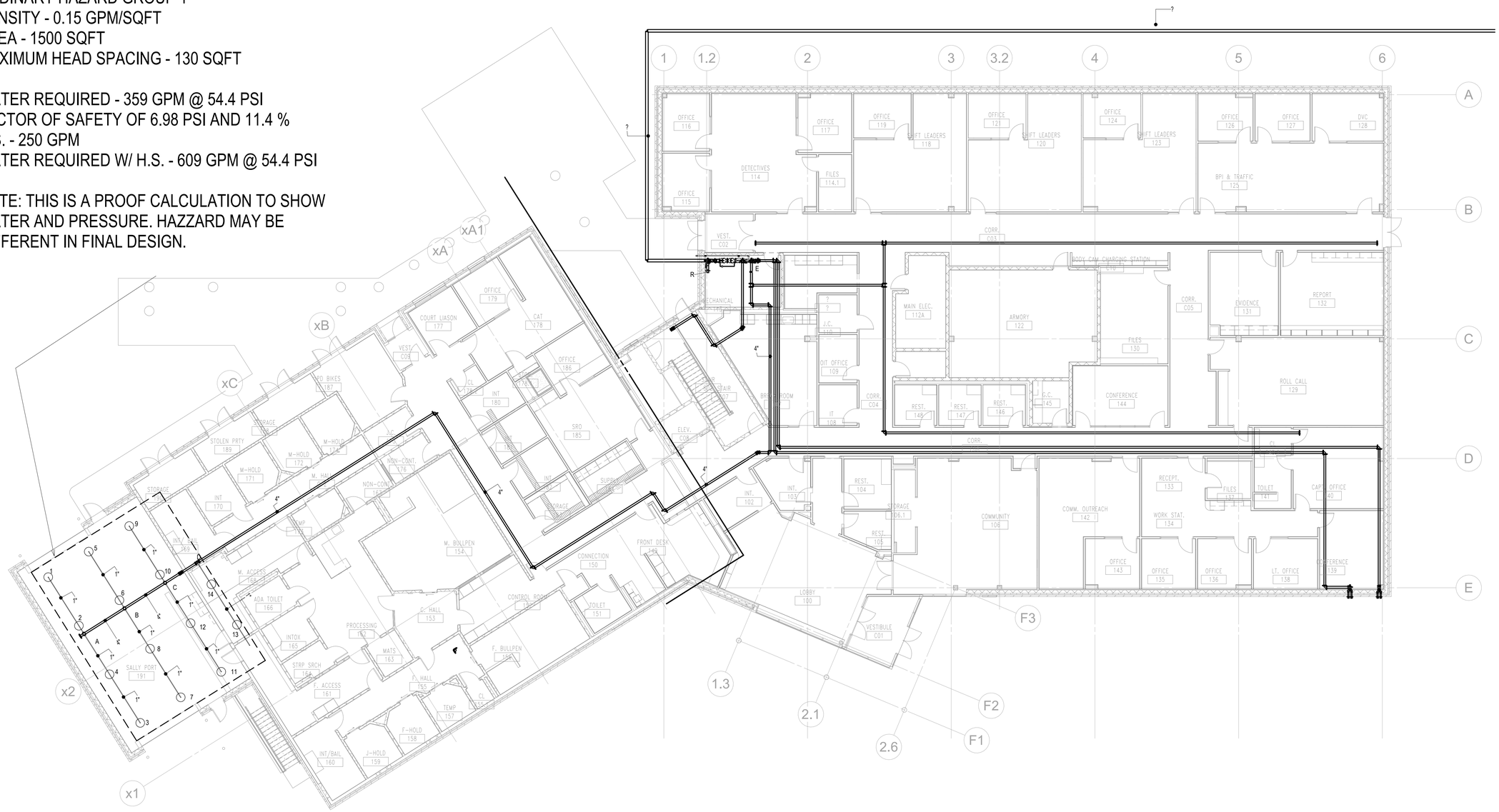
BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
FP-601	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 267 OF 295	
DRAWING NUMBER	2025 - 1158
FILE NO.: 8	REV: 0.02

LOCATION - SALLY PORT
ORDINARY HAZARD GROUP 1
DENSITY - 0.15 GPM/SQFT
AREA - 1500 SQFT
MAXIMUM HEAD SPACING - 130 SQFT

WATER REQUIRED - 359 GPM @ 54.4 PSI
FACTOR OF SAFETY OF 6.98 PSI AND 11.4 %
H.S. - 250 GPM
WATER REQUIRED W/ H.S. - 609 GPM @ 54.4 PSI

NOTE: THIS IS A PROOF CALCULATION TO SHOW WATER AND PRESSURE. HAZZARD MAY BE DIFFERENT IN FINAL DESIGN.



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1801 Research Blvd, Ste 100,
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wft@wfteng.com
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SEAL

PROFESSIONAL CERTIFICATION

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LICENSE NO. 17825, EXPIRATION DATE 06/07/2026

ENGINEER:
Ralph Jay Powell
AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE : JULLY 14, 2025

DGN BY: DMI
DWN BY: DMI
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
		7NE28
R.O.W NO.	ISW	7NE29
		8NE28
		8NE29

DRAWING SCALE
PLAN SCALE: NOT TO 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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - FIRE PROTECTION - CALCULATIONS

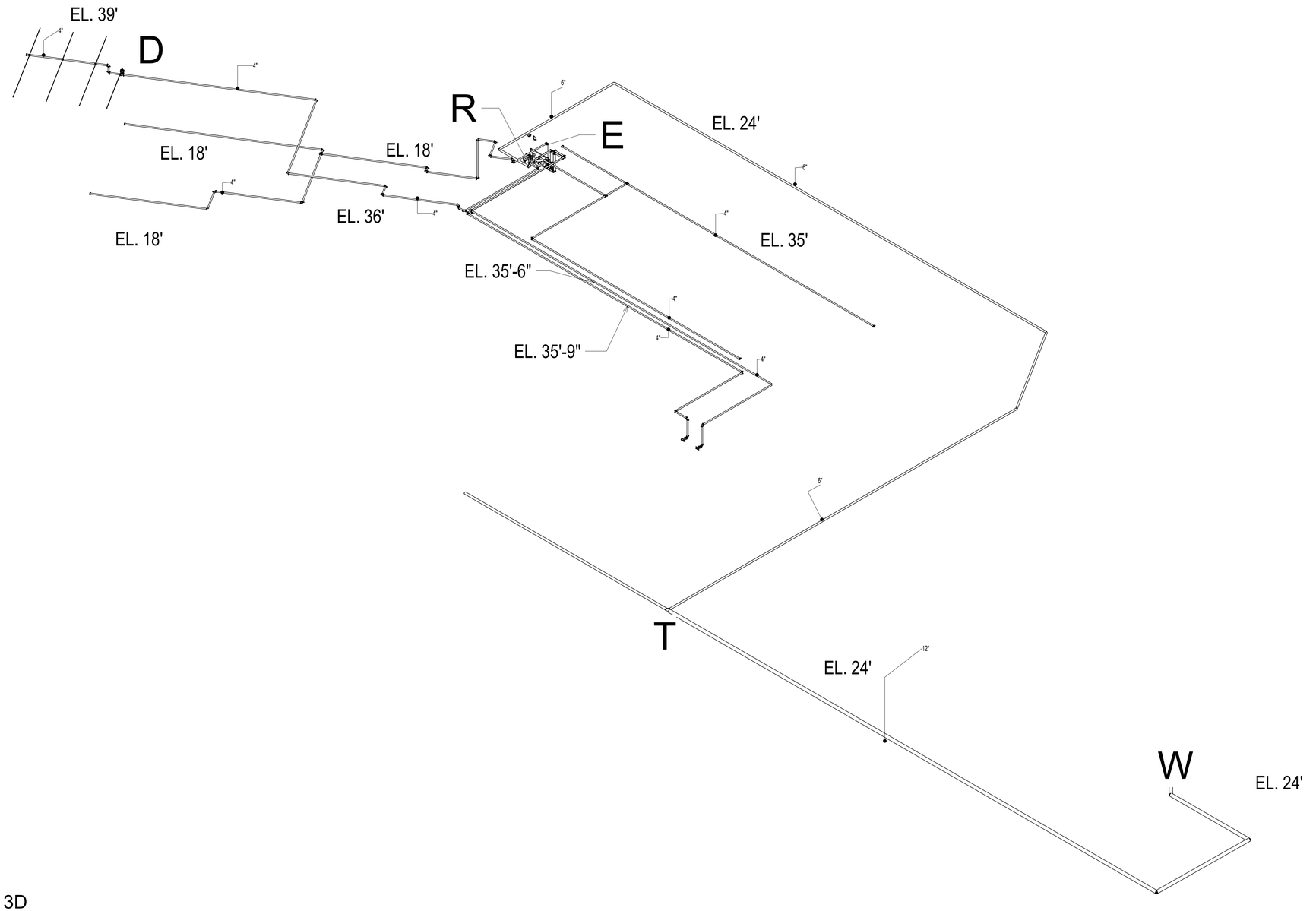
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FP-701	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 268 OF 295	
DRAWING NUMBER	
2025 - 1159	
FILE NO.: 8	REV: 09/22



FIRE PROTECTION 3D

1
FP-901
NO SCALE

SEAL

DATE : JULLY 14, 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.								7NE28	PLAN SCALE:	NO SCALE	APPROVED BY:
LICENSE NO. 17825, EXPIRATION DATE 06/07/2026						R.O.W NO.	ISW	7NE29 8NE28	PROFILE SCALE:		PROPERTY MANAGER
ENGINEER:	DGN BY: DMI	CONTRACT COMPLETION BOX						8NE29			DATE:
Ralph Jay Powell		BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:									
BY: DATE:	CHKD BY: RJP	DATE REVIEWED:									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ISOMETRICS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

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ELECTION DIST. NO.: 15C7

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4823 voice 410-625-4874 fax
226 West Market Street, York, Pennsylvania 17401
717-845-8823 voice 717-843-2449 fax

SHEET DESIGNATION	CONTRACT NUMBER
FP-901	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 269 OF 295
	DRAWING NUMBER
	2025 - 1160
	FILE NO.: 8 REV. 12/22

DWG. FILENAME: C:\Users\RB\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rokhsanab.rvt

ABBREVIATIONS

A	AMPERE
A.C	ABOVE COUNTER
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CD	CANDELA
FAC	FIRE ALARM COMMUNICATOR
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
GAP	GRAPHIC ANNUNCIATOR PANEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IDC	INITIATING DEVICE CIRCUIT
M.H.	MOUNTING HEIGHT
NAC	NOTIFICATION APPLIANCE CIRCUIT
N.E.C.	NATIONAL ELECTRIC CODE
P / PH	PHASE
RM	REMOTE MICROPHONE CONSOLE
SLC	SIGNALING LINE CIRCUIT
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTAGE
W/	WITH
W	WIRE
WP	WEATHERPROOF

FIRE ALARM GENERAL NOTES

1. ANY CONFLICT AND/OR DISCREPANCY BETWEEN THESE GENERAL NOTES AND ANY OTHER INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL AND BE A REQUIREMENT OF THE WORK. THAT NOTWITHSTANDING, ANY SUCH CONFLICT AND/OR DISCREPANCY SHALL PROMPTLY BE BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT AND ENGINEER.
2. THE WORK INCLUDES, BUT IS NOT LIMITED TO DESIGNING AND PROVIDING A COMPLETELY SUPERVISED, INTELLIGENT, ANALOG, ADDRESSABLE FIRE ALARM AND DETECTION SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL WIRING, RACEWAYS, PULL BOXES, TERMINAL CABINETS, OUTLET AND MOUNTING BOXES, CONTROL EQUIPMENT, ALARM AND SUPERVISORY SIGNALS, INITIATING DEVICES, ALARM NOTIFICATION APPLIANCES, NOTIFICATION ALARM PANELS, INTERFACE EQUIPMENT, AND ALL OTHER ACCESSORIES AND MISCELLANEOUS ITEMS INCLUDING SOFTWARE, SYSTEM PROGRAMMING, TEST AND CONSTRUCTION PERMITS REQUIRED FOR A COMPLETE OPERATING SYSTEM NORMALLY AND CUSTOMARILY REQUIRED, WHETHER INDICATED OR INHERENTLY NECESSARY DUE TO THE NATURE OF THE WORK.
3. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DEVICE COUNTS AND GENERAL LOCATIONS ONLY. CONTRACTOR IS RESPONSIBLE FOR DESIGN DRAWINGS AND INSTALLATION OF DEVICES IN ACCORDANCE WITH LOCAL CODES, PROJECT SPECIFICATIONS, AND MANUFACTURER'S REQUIREMENTS.
4. PROVIDE ALL NECESSARY PERMITS, INSPECTIONS AND FINAL SYSTEM ACCEPTANCE FROM THE AUTHORITY HAVING JURISDICTION (AHJ).
5. FIRE ALARM CONTRACTOR SHALL PREPARE SHOP DRAWINGS, CALCULATIONS, AND EQUIPMENT CUT SHEETS, AND SUBMIT THEM TO AUTHORITY HAVING JURISDICTION (AHJ) FOR APPROVAL. APPROVAL MUST BE RECEIVED BEFORE START OF WORK.
6. THE SYSTEM SHALL PROVIDE GENERAL EVACUATION SIGNALING THROUGHOUT THE BUILDING. UPON ACTIVATION OF AUDIBLE AND VISIBLE STROBE SIGNALING IN ALL REQUIRED AREAS PER PUBLIC AND PRIVATE MODE CRITERIA IN ACCORDANCE WITH NFPA 72.
7. COORDINATE ALL WORK AND AVOID ALL CONFLICTS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLS, DUCTS, STRUCTURAL MEMBERS, PIPES AND OTHER OBSTRUCTIONS.
8. SUBJECT TO ANY INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS, MOUNT ALL VISUAL WARNING STROBE/AUDIBLE NOTIFICATION APPLIANCES TO ACHIEVE MAXIMUM AUDIBILITY AND VISIBILITY IN ACCORDANCE WITH NFPA 72 AND CURRENT ADAAG GUIDELINES. PROVIDE CARE IN LOCATING VISUAL WARNING STROBE APPLIANCES TO ENSURE VISIBILITY AND AVOID OBSTRUCTIONS. REFER TO ARCHITECTURAL ELEVATIONS FOR SPECIFIC MOUNTING DETAILS AND ALIGNMENTS.
9. ALL STROBES WITHIN A COMMON VIEWING AREA SHALL BE WIRED TO FLASH IN SYNCHRONIZATION. PROVIDE SYNCHRONIZATION MODULE OR OTHER EQUIPMENT WITH SYNCHRONIZATION CAPABILITIES FOR EACH STROBE CIRCUIT, WHERE REQUIRED. ALL NOTIFICATION FACEPLATE COLOR SHALL BE WHITE IN COLOR.
10. DRAWINGS DO NOT SHOW THE LOCATION OF ALL ADDRESSABLE INPUT AND CONTROL MODULES. CONTRACTOR SHALL PROVIDE NEW POINT ADDRESSABLE INPUT MODULES FOR FIRE SUPPRESSION SYSTEM SUPERVISION DEVICES AND OTHER AREAS AS REQUIRED BY THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL PROVIDE NEW POINT ADDRESSABLE CONTROL MODULES AS REQUIRED FOR SYSTEM OPERATION.
11. ALL ADDRESSABLE CONTROL RELAYS SHALL BE LOCATED WITHIN 3 FEET OF CONTROLLED CIRCUIT OR DEVICE.
12. PHASE 1 ELEVATOR RECALL TO PRIMARY AND ALTERNATE FLOORS AND ELEVATOR POWER SHUNT TRIP SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODES.
13. ALL WIRING SHALL BE INSTALLED WITHIN CONDUIT. SUBJECT TO ANY CODE RESTRICTION AND/OR REQUIREMENT; PROVIDE ELECTRICAL METALLIC TUBING (EMT), UNLESS OTHERWISE NOTED. COORDINATE COLOR OF CONDUIT WITH ARCHITECT. LABEL CONDUIT AT 20 FT INTERVALS.
14. IN AREAS WITHOUT CEILINGS, CONDUIT SHALL BE INSTALLED AS UNOBTRUSIVELY AS POSSIBLE, AS CLOSE AS POSSIBLE TO FLOOR/CEILING SLAB AND PARALLEL AND AT RIGHT ANGLES TO STRUCTURAL STEEL OR CONCRETE.
15. CONCEAL ALL CONDUITS ABOVE SUSPENDED CEILINGS AND BEHIND WALLS. IN UNFINISHED AREAS CONDUIT MAY BE SURFACE MOUNTED, UNLESS OTHERWISE NOTED.
16. PENETRATION OF FIRE RATED ASSEMBLIES BY FIRE ALARM CONDUIT OR WIRING SHALL BE SEALED BY THE INSTALLING CONTRACTOR WITH A U.L CLASSIFIED THROUGH PENETRATION SYSTEM CAPABLE OF MAINTAINING THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLY PENETRATED.
17. COORDINATE LOCATION OF AUTOMATIC SPRINKLER FLOW AND VALVE SUPERVISORY SWITCHES PRIOR TO CONDUIT ROUGH-IN TO ENSURE ACCESSIBILITY AND MINIMIZE LENGTH OF FLEXIBLE CONDUIT RUNS NECESSARY TO MAKE CONNECTIONS.
18. ELECTRICAL BOXES SHALL BE PROVIDED AS FOLLOWS: I) EXPOSED WORK - CAST METAL BELL TYPE BOXES WITH THREADED HUB, EXCEPT WHERE FACTORY BOXES ARE PROVIDED; AND II) CONCEALED WORK - BOXES MAY BE STAMPED STEEL BOXES.
19. LOCATE FIRE ALARM DEVICES INSTALLED IN ACOUSTICAL TILE CEILINGS IN THE CENTER OF THE TILE.
20. FIRE ALARM SYSTEM NOT ON A NETWORK.
21. SHOP DRAWING COMPLETE SUBMITTALS PACKAGE MUST BE COMPLETE AND EXECUTED PER NFPA 72 INCLUDING BUT NOT LIMITED TO ALL PLANS, CALCULATIONS, AND MATERIAL DATASHEETS. NO EXCEPTIONS; PIECE-MEAL SUBMISSIONS WILL BE AUTOMATICALLY REJECTED
22. CLOSEOUT DOCUMENTS SHALL BE PROVIDED PER NFPA 72, UPON FINAL ACCEPTANCE OF PROJECT.
23. FIRE ALARM SYSTEM INTEGRITY SHALL MEET SURVIVAIBILTY LEVEL 1 REQUIREMENTS AS PER NFPA 72.

FIRE ALARM EQUIPMENT SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO ℄ A.F.F., U.O.N.
BPS	FIRE ALARM POWER BOOSTER PANEL (120VAC PRIMARY POWER)	
FAAP	FIRE ALARM LED GRAPHIC ANNUNCIATOR	
FACP	FIRE ALARM CONTROL PANEL (120VAC PRIMARY POWER)	
FTC	FIRE ALARM TERMINAL CABINET	
LCD	LCD ANNUNCIATOR	

INTIATING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO ℄ A.F.F., U.O.N.
P	FIRE ALARM MANUAL PULL STATION	+42" - 48" A.F.F. (OPERATING HANDLE TO FLOOR)
H	ADDRESSABLE HEAT DETECTOR	
M	WALL-MOUNTED MAGNETIC DOOR HOLDER	
FS	SPRINKLER WATERFLOW SWITCH (FURNISHED BY THE SPRINKLER CONTRACTOR)	
TS	SPRINKLER VALVE TAMPER SWITCH (FURNISHED BY THE SPRINKLER CONTRACTOR)	
AIM	ADDRESSABLE INTERFACE MODULE	
ARM	ADDRESSABLE RELAY MODULE	
RTS	REMOTE TEST STATION	
ISO	ISOLATOR MODULE	
ACM	ADDRESSABLE CONTROL MODULE	
S R	ADDRESSABLE SMOKE DETECTOR - PHOTOELECTRIC TYPE -SUBSCRIPT 'R' DENOTES ELEVATOR RECALL DEVICE	
R	WALL ADDRESSABLE SMOKE DETECTOR - PHOTOELECTRIC TYPE -SUBSCRIPT 'R' DENOTES ELEVATOR RECALL DEVICE	
	ADDRESSABLE DUCT-MOUNTED SMOKE DETECTOR	

NOTIFICATION DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO ℄ A.F.F., U.O.N.
## CM	CEILING MOUNTED COMBINATION FIRE ALARM AUDIO (HORN) / VISUAL (STROBE) APPLIANCE - SUPERSCRIPT '##' DENOTES CANDELA RATING	
## WP	WALL MOUNTED COMBINATION FIRE ALARM AUDIO (HORN) / VISUAL (STROBE) APPLIANCE - SUPERSCRIPT '##' DENOTES CANDELA RATING - SUBSCRIPT 'WP' DENOTES WEATHER-PROOF TYPE DEVICE	+80" - 96" A.F.F. (STROBE LENS TO FLOOR)
##	WALL MOUNTED FIRE ALARM VISUAL (STROBE) APPLIANCE - SUPERSCRIPT '##' DENOTES CANDELA RATING	+80" - 96" A.F.F. (STROBE LENS TO FLOOR)
## CM	CEILING MOUNTED FIRE ALARM VISUAL (STROBE) APPLIANCE - SUPERSCRIPT '##' DENOTES CANDELA RATING	
	BELL / CHIME	+90" A.F.F. (TOP OF DEVICE TO FLOOR)

FIRE ALARM DRAWING INDEX

Sheet Number	Sheet Name
FA-001	SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
FAD-101	BASEMENT FLOOR PLAN - FIRE ALARM - DEMOLITION
FAD-102	FIRST FLOOR PLAN - FIRE ALARM - DEMOLITION
FA-101	BASEMENT FLOOR PLAN - FIRE ALARM
FA-102	FIRST FLOOR PLAN - WING A - FIRE ALARM
FA-103	FIRST FLOOR PLAN - WING B - FIRE ALARM
FA-301	MATRIX

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
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Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201
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SEAL

STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 14, 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 ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.				
LICENSE NO. 17825, EXPIRATION DATE 06/07/2026		CONTRACT COMPLETION BOX		
ENGINEER: Ralph Jay Powell	DGN BY: DMI	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS
AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:		
BY: DATE:	CHKD BY: RJP	DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	1/8" = 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

ESSEX POLICE PRECINCT - 11

SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
FA-001	25022 PP0

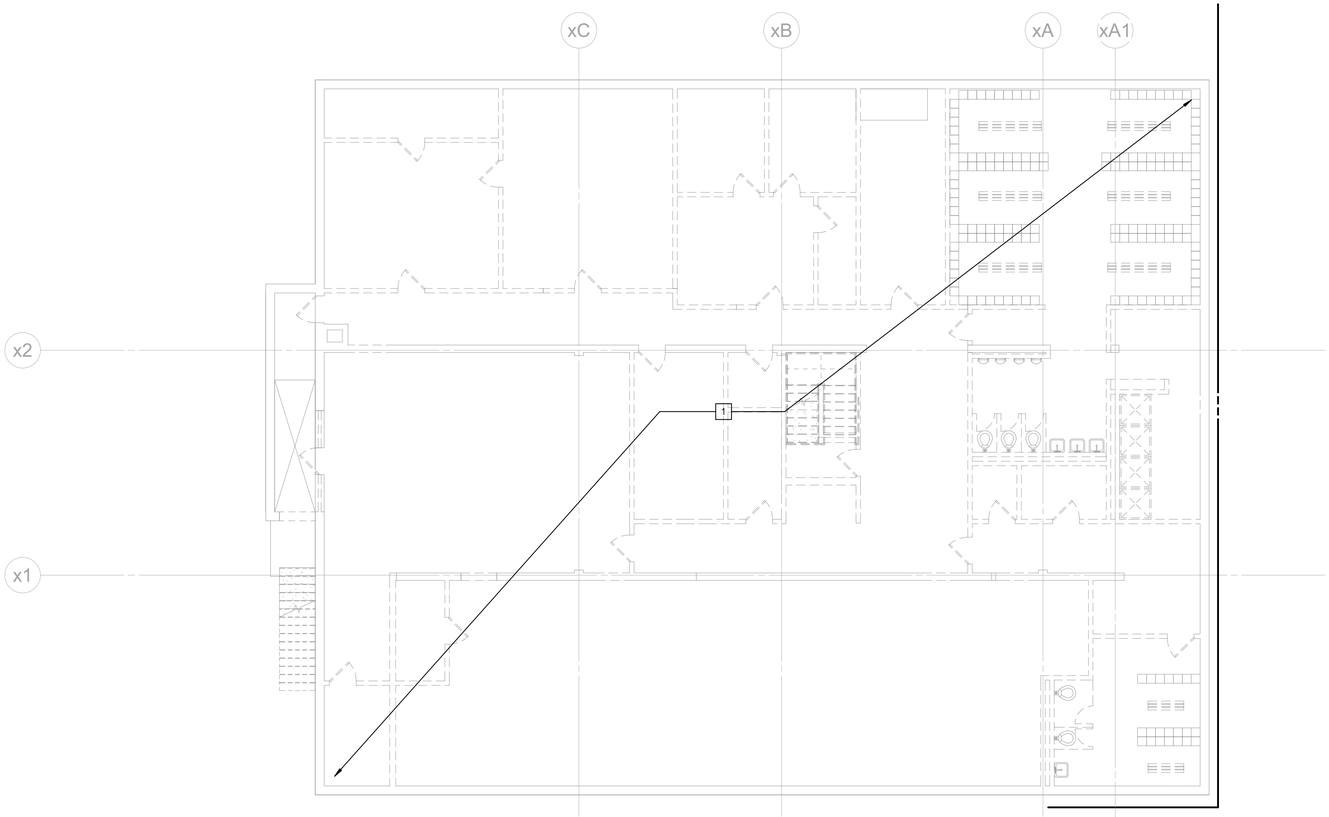
JOB ORDER NUMBER
PROJ-10000636
SHEET 270 OF 295
DRAWING NUMBER
2025 - 1161
FILE NO.: 8 REV 25/22

GENERAL DRAWING NOTES

1. REFER TO SHEET FA-001 FOR LEGEND, GENERAL NOTES AND ABBREVIATIONS.

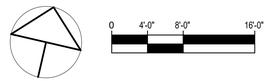
[X] DRAWING NOTES [X]

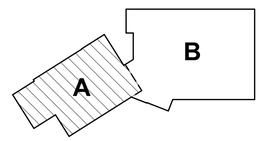
1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, WIRING, RACEWAY, ETC. SHALL BE DEMOLISHED.



2 FAD-101 BASEMENT FLOOR PLAN - FIRE ALARM - DEMOLITION

SCALE: 1/8" = 1'-0"





KEY PLAN - WING A

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
605 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4874 fax
228 West Market Street, York, Pennsylvania 17401 717-848-8627 voice 717-843-3448 fax

C:\Users\RB\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rokhsarab.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 RALPH JAY POWELL 17825 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. 17825 EXPIRATION DATE 06/07/2026						7NE28	PLAN SCALE:	As indicated	APPROVED BY:
					R.O.W NO.	ISW	7NE29 8NE28	PROFILE SCALE:		PROPERTY MANAGER
		CONTRACT COMPLETION BOX					8NE29			DATE:

ENGINEER:	DGN BY: DMI	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
Ralph Jay Powell									
AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:							
BY:	CHKD BY: RJP	DATE REVIEWED:							
DATE:									

DATE : JULLY 14, 2025

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

BASEMENT FLOOR PLAN - FIRE ALARM - DEMOLITION

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

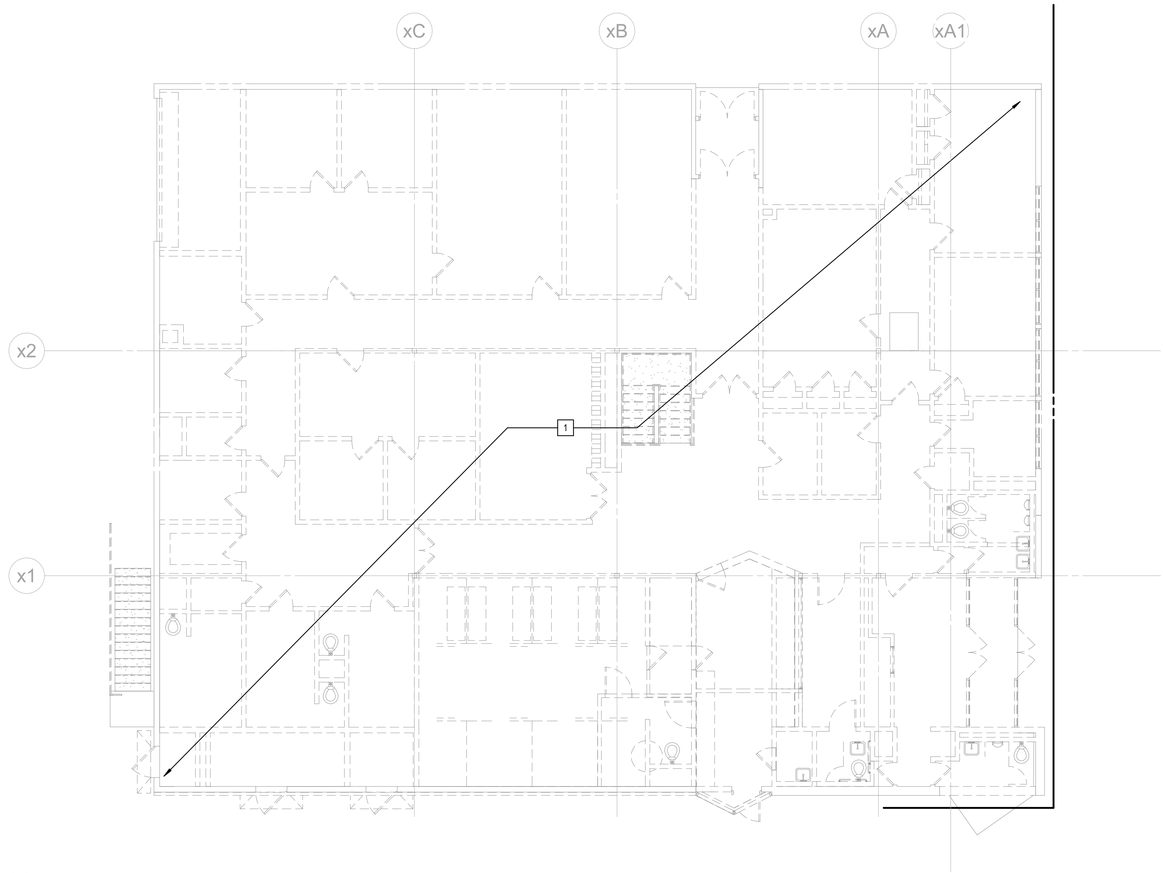
SHEET DESIGNATION	CONTRACT NUMBER
FAD-101	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 271 OF 295	
DRAWING NUMBER	
2025 - 1162	
FILE NO.: 8	REV. 05/22

GENERAL DRAWING NOTES

1. REFER TO SHEET FA-001 FOR LEGEND, GENERAL NOTES AND ABBREVIATIONS.

[X] DRAWING NOTES [X]

1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, WIRING, RACEWAY, ETC. SHALL BE DEMOLISHED.

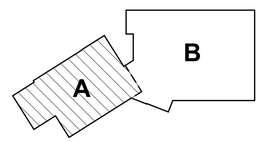


1
FAD-102

FIRST FLOOR PLAN - FIRE ALARM - DEMOLITION

SCALE: 1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"



KEY PLAN - WING A

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201 410-625-9625 voice 410-625-4674 fax
229 West Market Street, York, Pennsylvania 17401 717-846-9627 voice 717-843-3448 fax

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SHEET DESIGNATION	CONTRACT NUMBER
FAD-102	25022 PP0

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND RALPH JAY POWELL 17825 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.						7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	As indicated	APPROVED BY: PROPERTY MANAGER
	LICENSE NO. 17825 EXPIRATION DATE 06/07/2026	CONTRACT COMPLETION BOX			R.O.W NO.	ISW		PROFILE SCALE:		DATE:
	ENGINEER: Ralph Jay Powell	DGN BY: DMI	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
	AS-BUILT PER RECORD PRINT	DWN BY: DMI	REVIEWED BY:							
DATE : JULLY 14, 2025	BY: DATE:	CHKD BY: RJP	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - FIRE ALARM - DEMOLITION

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

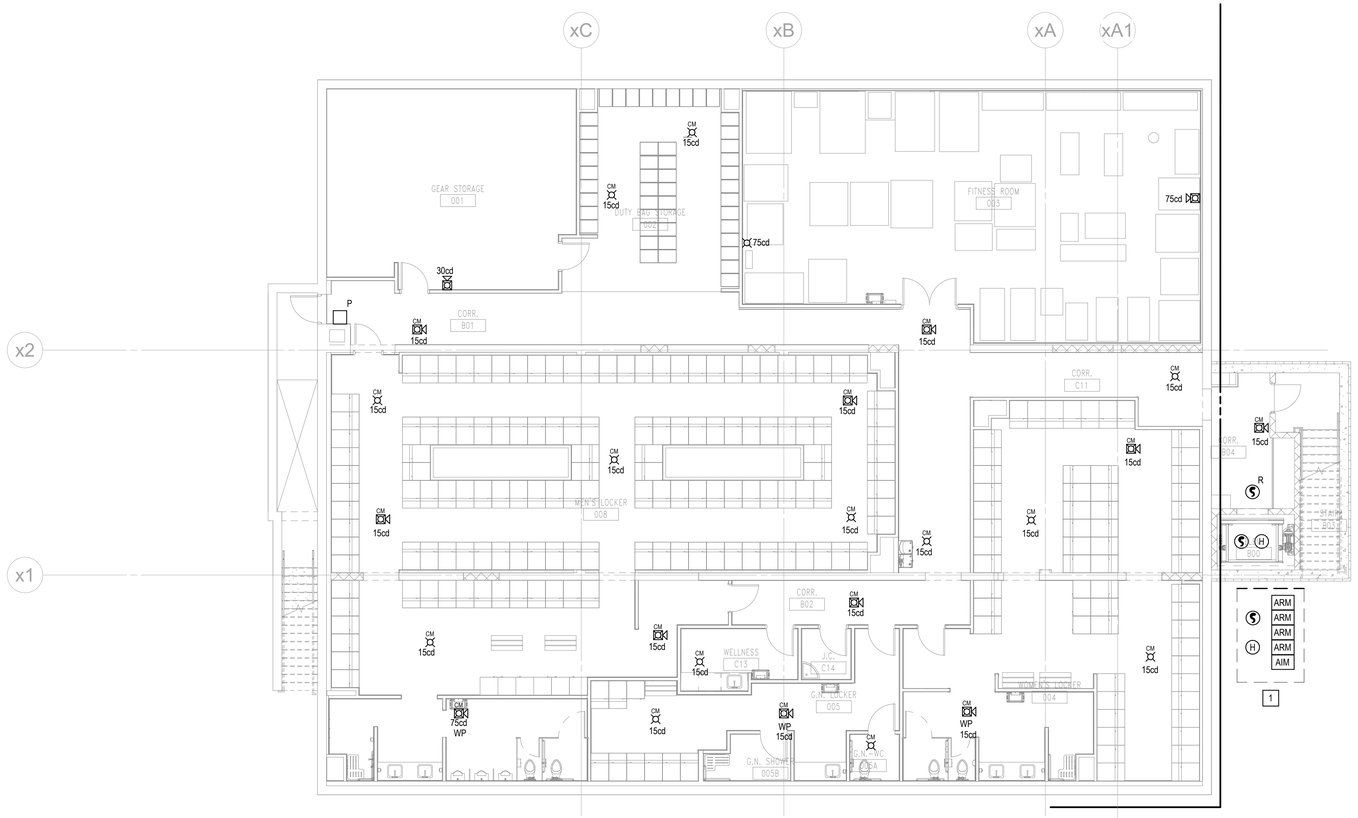
JOB ORDER NUMBER	SHEET OF	DRAWING NUMBER	FILE NO.:	REV
PROJ-10000636	SHEET 272 OF 295	2025 - 1163	8	25/22

GENERAL DRAWING NOTES

1. REFER TO SHEET FA-001 FOR LEGEND, GENERAL NOTES AND ABBREVIATIONS.
2. INFORMATION ON THESE PLANS IS DIAGRAMMATIC IN NATURE FOR USE IN GENERAL LAYOUT AND COORDINATION.
3. PARTICIPATION IN THE PROJECT'S COORDINATION PROCESS IS MANDATORY. INSTALLATION SHALL NOT OCCUR PRIOR TO COORDINATION WITH ALL OTHER TRADES.
4. CONTRACTOR SHALL BE HELD ACCOUNTABLE FOR EXAMINATION AND COORDINATION WITH ALL CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL FLOOR PLANS/ REFLECTED CEILING PLANS, MECHANICAL, ELECTRICAL, PLUMBING, INFORMATION TECHNOLOGY, AND STRUCTURAL.
5. CONTRACTOR IS RESPONSIBLE FOR DELIVERY OF A TURN-KEY SYSTEM IN COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.
6. ALL CEILING MOUNTED FIRE ALARM DEVICE SHALL BE MOUNTED IN CENTER OF TILES.
7. ALL ADDRESSABLE DEVICES SHALL BE INSTALLED IN A CONDITIONED SPACE.

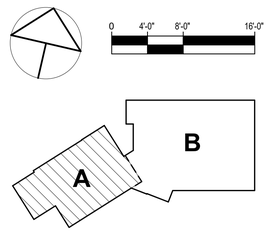
[X] DRAWING NOTES [X]

1. ADDRESSABLE MODULES PROVIDED FOR ELEVATOR INTERFACE:
   - A. PRIMARY RECALL
   - B. SECONDARY RECALL
   - C. SHUNT TRIP
   - D. FIRE HAT INDICATOR
   - E. SHUNT TRIP POWER SUPERVISION



2 FA-101 BASEMENT FLOOR PLAN - FIRE ALARM - CONSTRUCTION

SCALE: 1/8" = 1'-0"



KEY PLAN - WING A

C:\Users\RB\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rokhsanab.rvt

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

Murphy & Dittenhafer ARCHITECTS
305 North Charles Street, Baltimore, Maryland 21201
410-625-4833 voice 410-625-4874 fax
229 West Market Street, York, Pennsylvania 17401
717-848-4833 voice 717-845-3448 fax

SHEET DESIGNATION	CONTRACT NUMBER
FA-101	25022 PP0

JOB ORDER NUMBER
PROJ-10000636
SHEET 273 OF 295
DRAWING NUMBER
2025 - 1164
FILE NO.: 8

SEAL

STATE OF MARYLAND — RALPH JAY POWELL — 17825 — PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825, EXPIRATION DATE 06/07/2026

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DMI
DWN BY: DMI
CHKD BY: RJP

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. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: PROPERTY MANAGER

DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

BASEMENT FLOOR PLAN - FIRE ALARM

RENOVATION & ADDITION

216 & 222 North Marlyn Ave, Essex, MD 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

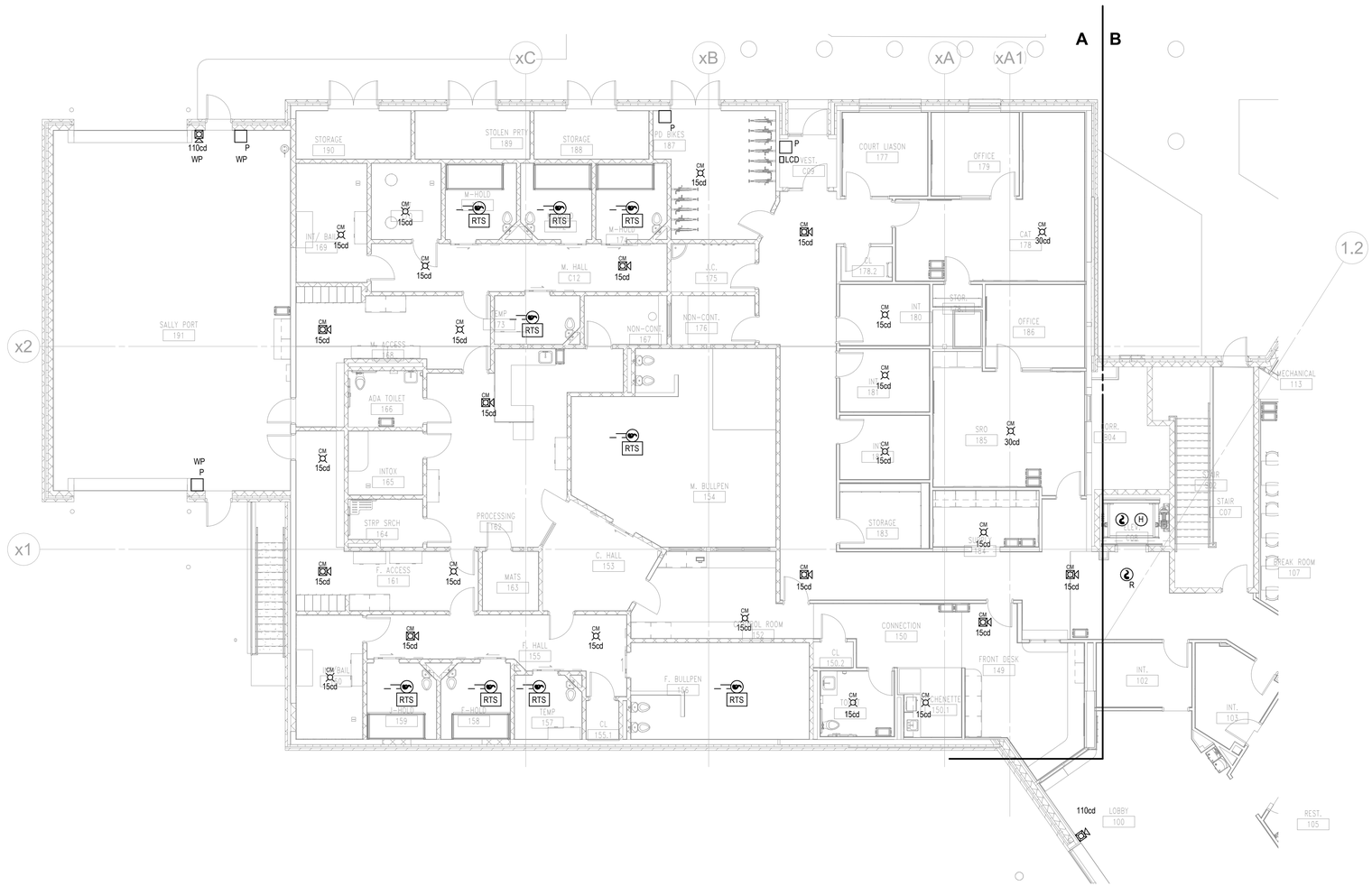
BALTIMORE COUNTY MARYLAND

GENERAL DRAWING NOTES

1. REFER TO SHEET FA-001 FOR LEGEND, GENERAL NOTES AND ABBREVIATIONS.
2. INFORMATION ON THESE PLANS IS DIAGRAMMATIC IN NATURE FOR USE IN GENERAL LAYOUT AND COORDINATION.
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7. ALL ADDRESSABLE DEVICES SHALL BE INSTALLED IN A CONDITIONED SPACE.

[X] DRAWING NOTES [X]

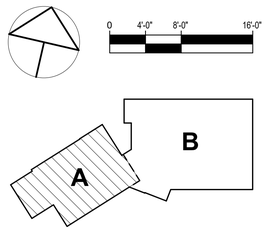
1. NOT USED.



2 FA-102 FIRST FLOOR PLAN - FIRE ALARM - CONSTRUCTION - WING A

SCALE: 1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"



KEY PLAN - WING A

C:\Users\RBI\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rokhsanab.rvt

WFT Engineering
1801 Research Blvd, Ste 100,
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

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606 North Charles Street, Baltimore, Maryland 21201 410-625-4823 voice 410-625-4874 fax
226 West Market Street, York, Pennsylvania 17401 717-848-8823 voice 717-843-3448 fax

SEAL: STATE OF MARYLAND · RALPH JAY POWELL · 17825 · PROFESSIONAL ENGINEER
DATE : JULLY 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. 17825 , EXPIRATION DATE 06/07/2026 .

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DMI
DWN BY: DMI
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - WING A - FIRE ALARM

RENOVATION & ADDITION

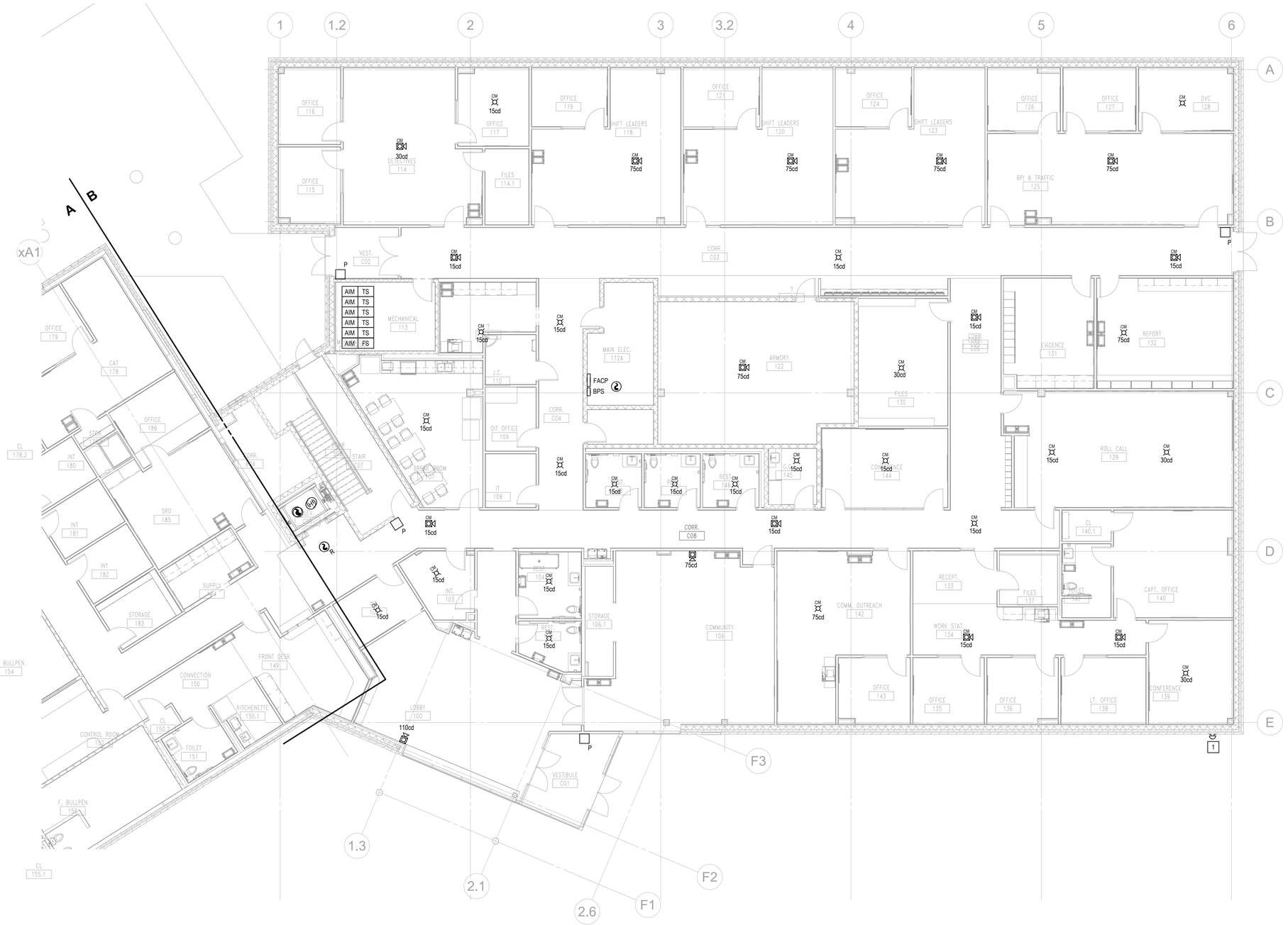
SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FA-102	25022 PP0

JOB ORDER NUMBER
PROJ-10000636
SHEET 274 OF 295
DRAWING NUMBER
2025 - 1165
FILE NO.: 8 REV. 03/22



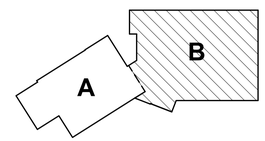
GENERAL DRAWING NOTES

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6. ALL CEILING MOUNTED FIRE ALARM DEVICE SHALL BE MOUNTED IN CENTER OF TILES.
7. ALL ADDRESSABLE DEVICES SHALL BE INSTALLED IN A CONDITIONED SPACE.

[X] DRAWING NOTES [X]

1. PROVIDE NON-SILENCEABLE BELL ABOVE FDC.

0 4'-0" 8'-0" 16'-0"



KEY PLAN - WING B

2 FA-103 FIRST FLOOR PLAN - FIRE ALARM - CONSTRUCTION - WING B

SCALE: 1/8" = 1'-0"

WFT Engineering
1801 Research Blvd, Ste 100
Rockville, MD 20850
301.230.0811
wft@wfteng.com
WFT Project No. 23054

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717-846-4823 voice 717-845-3448 fax

DWG. FILENAME: C:\Users\RB\Documents\23054_BC OC Essex Police Station_FP_FA(R21)_rolkhsanab.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. 17825 EXPIRATION DATE 06/07/2026

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE : JULLY 14, 2025

DGN BY: DMI
DWN BY: DMI
CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
					7NE28
			R.O.W NO.	ISW	7NE29
CONTRACT COMPLETION BOX					8NE28
					8NE29

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

ESSEX POLICE PRECINCT - 11

FIRST FLOOR PLAN - WING B - FIRE ALARM

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
FA-103	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 275 OF 295
	DRAWING NUMBER
	2025 - 1166
	FILE NO.: 8 REV. 03/22

FIRE ALARM & FIRE SUPPRESSION SYSTEMS OPERATIONAL MATRIX

DEVICE ACTIVATED	LOCATION	RESULTING ACTION																							
		PANEL FUNCTION									ANNUNCIATION				NOTIFICATION	AUXILIARY FUNCTIONS		ELEVATOR FUNCTIONS						
		The red "ALARM" LED will illuminate at FACP.	The sonalert on the FACP will sound a distinct ALARM tone.	The General ALARM relay in the FACP will activate, thus activating that building's DACT.	The "SUPERVISORY" LED will illuminate at the FACP.	The sonalert on the FACP will sound a distinct SUPERVISORY tone	The General SUPERVISORY relay in the FACP will activate, thus activating the DACT.	The "TROUBLE" LED will illuminate at the FACP.	The sonalert on the FACP will sound a distinct TROUBLE tone	The General TROUBLE relay in the FACP will activate, thus activating the DACT.	Display an alpha-numeric message at FACP describing the device activated, along with it's location, time of occurrence, and current status.	The FACP will record the event (as shown on the display) in the history buffer.	Indicate message at LCD annunciator describing the device activated, along with it's location, time of occurrence, and current status.	Illuminate the local LED thus indicating activation (and relative location) of the device.	Activate building notification appliances.	Shutdown associated air-handling unit, prior to damper closure.	All associated fire/smoke dampers will close.	All passenger cars that serve **the affected lobby** shall immediately return to the designated **PRIMARY RECALL** location, and the passenger car doors shall open. These passenger cars will only operate with the use of the firemen's elevator key.	All passenger cars located **in the same bank** shall return to the designated **PRIMARY RECALL** location, and the passenger car doors shall open. These passenger cars shall only operate with the use of the firemen's elevator key.	All passenger cars served by **the same elevator machine room** shall return to the designated **PRIMARY RECALL** location, and the passenger car doors shall open. These passenger cars shall then only operate with the use of the firemen's elevator key.	All passenger cars that serve **the affected lobby** shall return to the designated **ALTERNATE RECALL** location, and the passenger car doors shall open. These passenger cars will only operate with the use of the firemen's elevator key.	The "firemen's hat" visual indicator located in affected passenger cars shall flash.	Initiate a shutdown of electrical power serving elevator machine equipment located within the same elevator bank.	Transmit fire alarm conditions (Alarm, Trouble, Supervisory) to supervising station.
Base Building System																									
Manual Pull Station	All Areas	X	X	X							X	X	X	X	X										X
Automatic Detection Devices																									
Smoke Detector	All Areas	X	X	X							X	X	X	X	X										X
Duct Detector	All Areas				X	X	X				X	X	X	X		X	X								X
Sprinkler Devices																									
Sprinkler Flow Switches	All Areas	X	X	X							X	X	X	X	X										X
Sprinkler Tamper Switches	All Areas				X	X	X				X	X	X	X											X
Other Life Safety Equipment																									
Emergency Generator "Fault" Status	Generator Room				X	X	X				X	X	X	X											X
Emergency Generator "Run" Status	Generator Room				X	X	X				X	X	X	X											X
System Malfunction/Fault	Electric Room							X	X	X	X	X	X	X											X
Elevator Interface																									
Smoke Detector	Elevator Pit	X	X	X							X	X	X	X	X				X			X			
	Elevator Top of Shaft	X	X	X							X	X	X	X	X				X			X			X
	Elevator Lobby	X	X	X							X	X	X	X	X			X							X
	Designated PRIMARY Recall Location	X	X	X							X	X	X	X	X						X				X
	Designated ALTERNATE Recall Location	X	X	X							X	X	X	X	X			X							
	Elevator Machine Room	X	X	X							X	X	X	X	X					X		X			X
Heat Detector	Elevator Pit	X	X	X							X	X	X	X	X							X	X		X
	Elevator Machine Room	X	X	X							X	X	X	X	X					X		X	X		X
	Elevator Top of Shaft	X	X	X							X	X	X	X	X								X		X
Sprinkler Flow Switch	Elevator Shaft	X	X	X							X	X	X	X	X										X
	Elevator Machine Room	X	X	X							X	X	X	X	X										X
Loss of AC Power To Shunt Trip Breaker(s)	Elevator Machine Room	X	X	X							X	X	X	X											X

SEAL

STATE OF MARYLAND · RALPH JAY POWELL · 17825 · PROFESSIONAL ENGINEER

DATE : JULLY 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. 17825 EXPIRATION DATE 06/07/2026 .

ENGINEER: Ralph Jay Powell

AS-BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DMI

DWN BY: DMI

CHKD BY: RJP

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

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

POSITION SHT
7NE28
7NE29
8NE28
8NE29

DRAWING SCALE

PLAN SCALE:

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

ESSEX POLICE PRECINCT - 11

MATRIX

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 & 222 North Marlyn Ave, Essex, MD 21221

ELECTION DIST. NO.: 15C7

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1801 Research Blvd, Ste 100
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SHEET DESIGNATION	CONTRACT NUMBER
FA-301	25022 PP0
JOB ORDER NUMBER	
PROJ-10000636	
SHEET 276 OF 295	
DRAWING NUMBER	
2025 - 1167	
FILE NO.: 8	REV: 03/03

DWG. FILENAME: C:\Users\RB\Documents\23054_BC OC Essex Police Station_FP_FA\R21)_rakhasab.rvt

LOW VOLTAGE SYSTEMS SYMBOL LEGEND

SYMBOL:	DESCRIPTION:	BACKBOX:	CONDUITS:	MOUNTING HEIGHT:	ELECTRONICS:	TELECOM CABLE REQUIREMENTS:	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	ONE (1) 2-GANG BOXE WITH SINGLE GANG TRIM RINGS	ONE (1) 1-1/4" EC FOR AV	72" AFF TO CENTER OF BACKBOX (SEE NOTES ON DRAWINGS TO SUPERCEDE)	OFOI FLAT PANEL DISPLAY	N/A	120VAC DUPLEX RECEPTACLE
AV	AV INPUT WALLBOX	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 WALLBOX	3-GANG BOX	TWO (2) 1-1/4" EC	OUTLET HEIGHT	N/A	N/A	N/A
CP	REMOTE CONTROL TOUCH PANEL	2-GANG BOX WITH SINGLE GANG TRIM RING	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 FACE PLATE	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
AV	MULTI-MEDIA FLOORBOX	WIREMOLD EFB8S	THREE (3) 1-1/4" EC	IN FLOOR	N/A	FOUR (4) CATEGORY CABLES (OFOI)	120VAC DUPLEX RECEPTACLE
	FLOORBOX	WIREMOLD EFB8S	THREE (3) 1-1/4" EC	IN FLOOR	N/A	FOUR (4) CATEGORY CABLES (OFOI)	120VAC DUPLEX RECEPTACLE
WAP	WIRELESS ACCESS POINT	SURFACE MOUNTED BISCUIT BOX	N/A	CEILING MOUNTED	OFOI WIRELESS ACCESS POINT	TWO (2) CATEGORY CABLES (OFOI)	REMOTE LOW VOLTAGE POWER
EXT WAP	EXTERIOR WIRELESS ACCESS POINT	2-GANG BOX	ONE (1) 3/4" EC TO INTERIOR OF BUILDING	WALL MOUNT AT 10' AFF	OFOI WIRELESS ACCESS POINT	TWO (2) CATEGORY CABLES (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	REMOTE LOW VOLTAGE POWER
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
VI	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 FINICHED CEILING	OFOI LOBBY AUDIO INTERCOM STATION	ONE (1) CATEGORY CABLE (OFOI)	REMOTE LOW VOLTAGE POWER
C	FIXED SURVEILLANCE VIDEO CAMERA	SURFACE MOUNTED 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 Number	Sheet Name
TA001	LOW VOLTAGE SYSTEMS TITLESHEET
TA002	LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX
TA010	TELECOM GROUNDING DETAILS & RISER DIAGRAM
TA100	LOW VOLTAGE SITE PLAN
TA101	LOW VOLTAGE BASEMENT FLOOR PLAN
TA102	LOW VOLTAGE FIRST FLOOR PLAN - WING A
TA103	LOW VOLTAGE FIRST FLOOR PLAN - WING B
TA104	LOW VOLTAGE ROOF PLAN
TA121	LOW VOLTAGE BASEMENT REFLECTED CEILING PLAN
TA122	LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING A
TA123	LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING B
TA200	IT ELEVATIONS & ENLARGED DETAILS
TA210	DISPLAY WALL ELEVATIONS
TA211	FRONT DESK & BODY CAMERA CHARGING ELEVATIONS
TA500	LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (1 OF 3)
TA501	LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (2 OF 3)
TA502	LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (3 OF 3)
TA510	ELECTRONIC ACCESS CONTROL DOORS
TA511	ELECTRONIC ACCESS CONTROL DOOR 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	=	SECONDARY BONDING BUSBAR

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT

BY: DATE:

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION — REVIEWED BY: — DATE REVIEWED:

TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER | WATER | FIELD ENGINEER

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SYSTEMS TITLESHEET

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA001	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 277 OF 295	
DRAWING NUMBER	2025-1168
FILE NO.: 8	REV. 4/8/20

LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX

	ITEM	FURNISHED BY	INSTALLED BY	NOTES
1	TELECOMMUNICATIONS OUTSIDE PLANT CABLING - TEMPORARY INCOMING FIBER OPTIC CABLING TO EXISTING FACILITY	OWNER	OWNER	INCOMING FIBER OPTIC SERVICE FROM MARLYN AVENUE TO BE COORDINATED BY OWNER AND SERVICE PROVIDER
2	TELECOMMUNICATIONS OUTSIDE PLANT CABLING - INCOMING FIBER OPTIC CABLING TO NEW TELECOM ROOM (IT 108)	OWNER	OWNER	INCOMING FIBER OPTIC SERVICE FROM MARLYN AVENUE TO BE COORDINATED BY OWNER AND SERVICE PROVIDER
3	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE: PRE PHASE 1 DUCTBANK AND HAND HOLES ALONG ENTRANCE DRIVEWAY TO MARLYN AVENUE	OWNER	OWNER	
4	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE: PRE PHASE 1 TEMPORARY AERIAL FIBER CONNECTION TO EXISTING FACILITY	OWNER	OWNER	
5	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE: PHASE 2 CONDUITS FROM IT 108 TO TELECOM HAND HOLE	GC	GC	
6	TELECOMMUNICATIONS OUTSIDE PLANT INFRASTRUCTURE - SITE SECURITY	GC	GC	
7	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
8	AC POWER RECEPTACLES & RELATED EQUIPMENT	GC	GC	TO BE INSTALLED BY SUB-CONTRACTOR AT DISCRESSION OF GC
9	TELECOMM STRUCTURED CABLING & RELATED HARDWARE	OWNER	OWNER	
10	IN-WALL PLYWOOD BLOCKING FOR ALL FLAT PANEL DISPLAY LOCATIONS	GC	GC	TO BE INSTALLED BY SUB-CONTRACTOR AT DISCRESSION OF GC
11	AUDIOVISUAL SYSTEM EQUIPMENT	OWNER	OWNER	
12	WIRELESS PRESENTATION GATEWAY	OWNER	OWNER	
13	ALL AUDIOVISUAL CABLING TO INTERCONNECT DEVICES	OWNER	OWNER	
14	FLAT PANEL DISPLAY MOUNTS	OWNER	OWNER	
15	NETWORK ELECTRONICS AND PROGRAMMING	OWNER	OWNER	
16	ELECTRONIC ACCESS CONTROL SYSTEM	OWNER	OWNER	
17	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

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. _____ EXPIRATION DATE:
ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: BW
DWN BY: JM
CHKD BY: BH

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

CONTRACT COMPLETION BOX | R.O.W. NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29 | PLAN SCALE: | 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

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SYSTEMS RESPONSIBILITIES MATRIX

RENOVATION & ADDITION

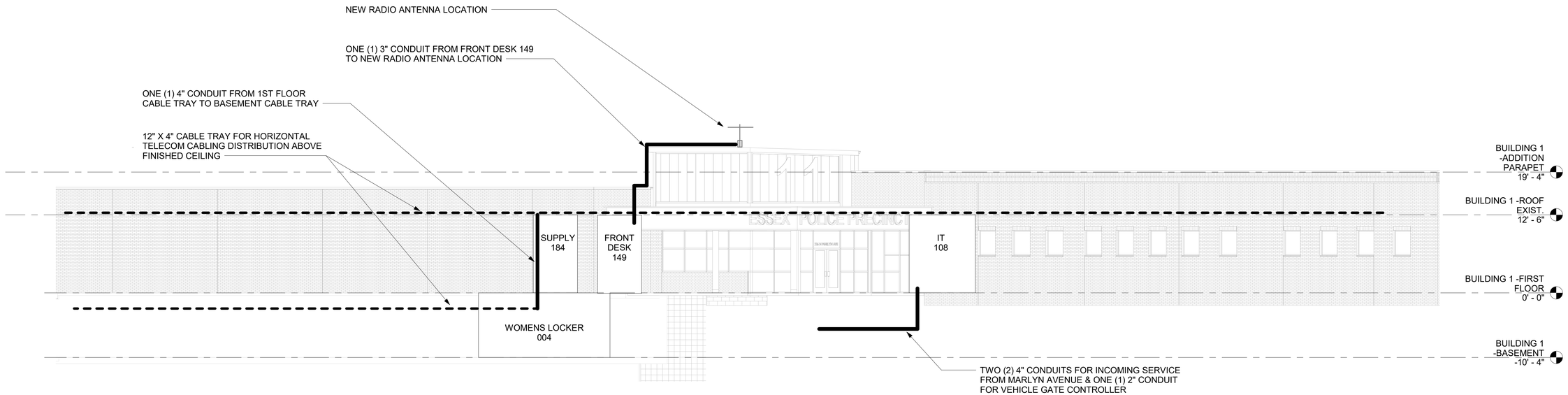
SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

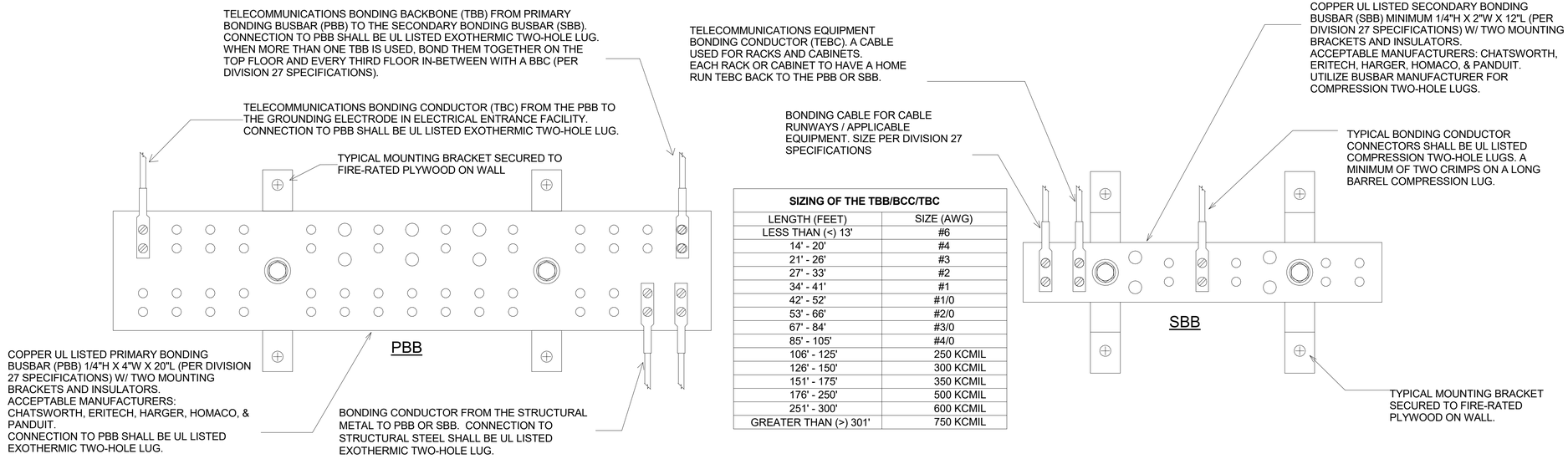
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA002	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 278 OF 295
	DRAWING NUMBER
	2025-1169
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND



1 TELECOM RISER DIAGRAM
1/8" = 1'-0"



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

PROVIDE PBB AT TELECOMMUNICATIONS ENTRANCE ROOM AND SBB IN TYPICAL TELECOMMUNICATIONS SPACES

2 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 — RCDD — DATE: JULY 14, 2025

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ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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.	KEY SHEET	POSITION SHT
					7NE28
			R.O.W NO.	ISW	7NE29
CONTRACT COMPLETION BOX					8NE28
					8NE29

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

ESSEX POLICE PRECINCT - 11

TELECOM GROUNDING DETAILS & RISER DIAGRAM

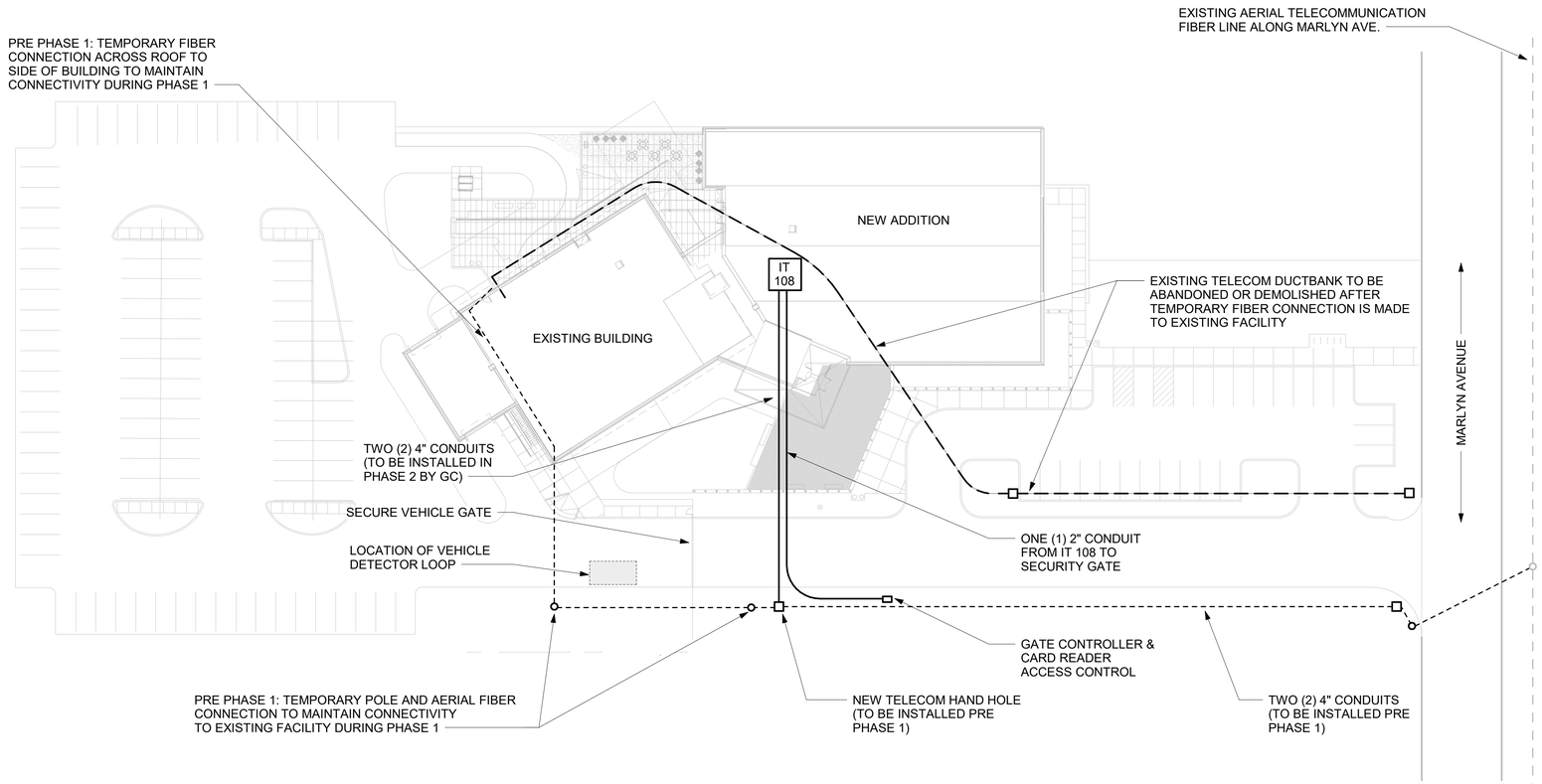
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA010	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 279 OF 295
	DRAWING NUMBER
	2025-1170
	FILE NO.: 8



1 LOW VOLTAGE SITE PLAN
1/32" = 1'-0"

File Path

DWG FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSI BRIAN WHITLOCK BICSI ID # 163087 EXPIRES 12-31-26 RCDD

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. _____ EXPIRATION DATE: _____
ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
				ISW	7NE28 7NE29 8NE28 8NE29
CONTRACT COMPLETION BOX			R.O.W. NO.		

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

DRAWING SCALE
PLAN SCALE: 1/32" = 1'-0"
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SITE PLAN

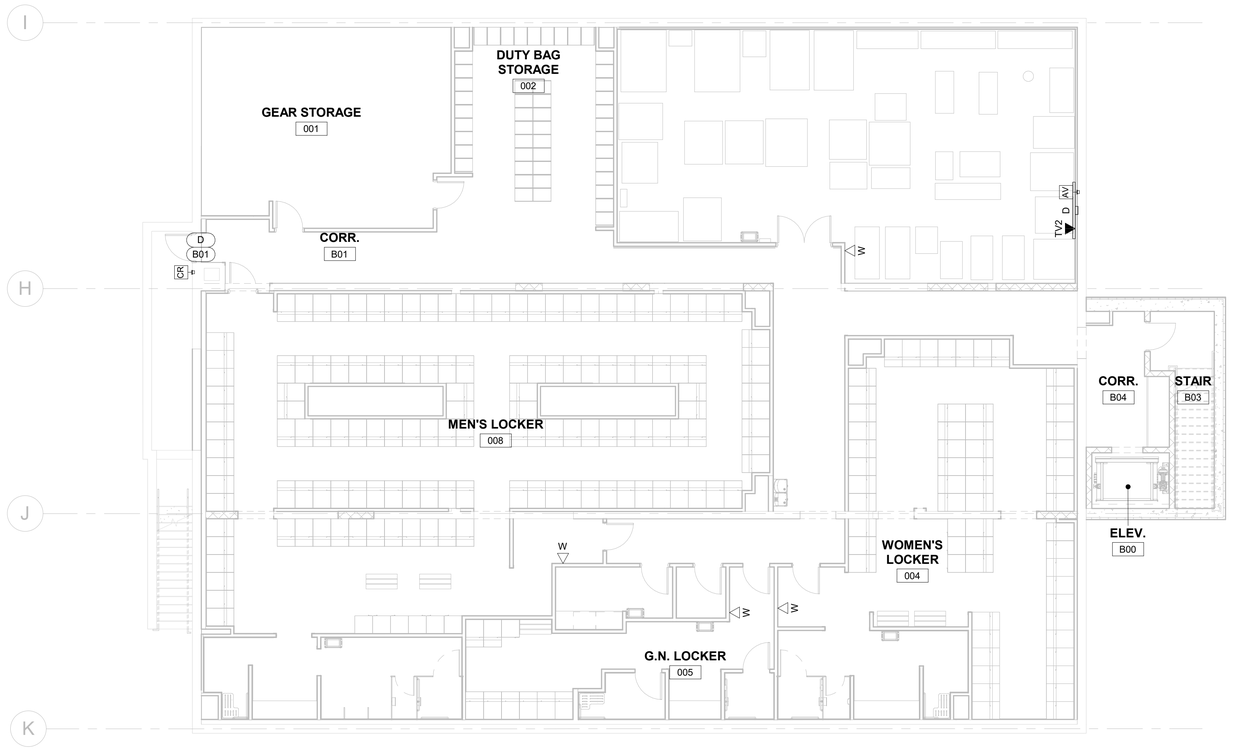
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA100	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 280 OF 295
	DRAWING NUMBER
	2025-1171
	FILE NO.: 8



1 LOW VOLTAGE BASEMENT FLOOR PLAN
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-26 — RCDD — CTS-D
DATE JULY 14, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. _____ EXPIRATION DATE: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE BASEMENT FLOOR PLAN

RENOVATION & ADDITION

SUBDIVISION: ESSEX

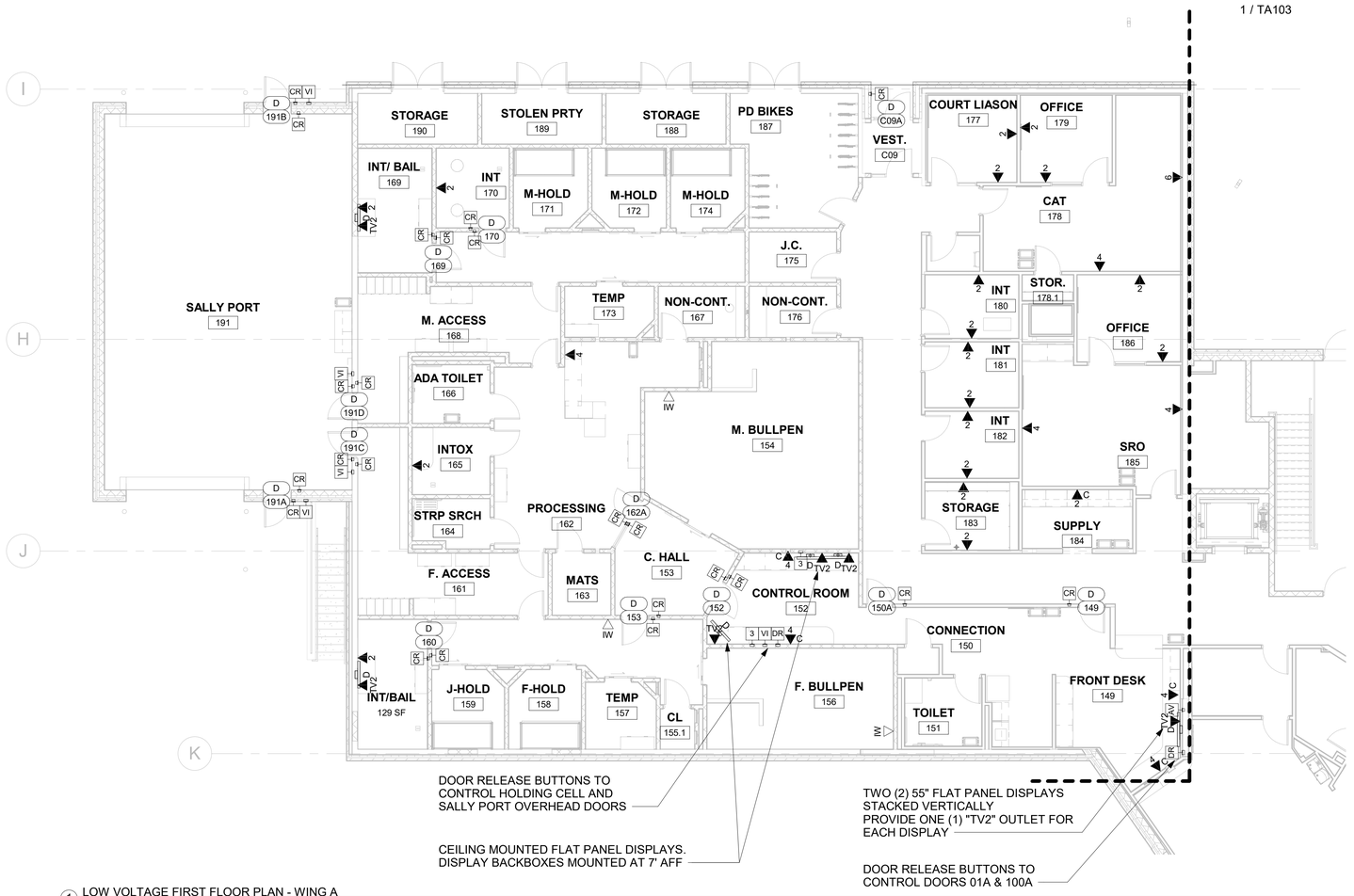
216 North Marlyn Ave, Essex, Maryland, 21221

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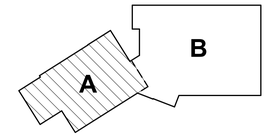
SHEET DESIGNATION	CONTRACT NUMBER
TA101	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 281 OF 295
	DRAWING NUMBER
	2025-1172
	FILE NO.: 8

BALTIMORE COUNTY MARYLAND

File Path:
DWG FILENAME:



1 LOW VOLTAGE FIRST FLOOR PLAN - WING A
1/8" = 1'-0"



KEY PLAN - WING A

0 4'-0" 8'-0" 16'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi BRIAN WHITLOCK BICSI ID # 163087 EXPIRES 12-31-26 RCDD

DATE: JULY 14, 2025

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ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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

DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT

R.O.W. NO. | ISW | 7NE28 7NE29 8NE28 8NE29

REVIEWED BY:

DRAWING SCALE

PLAN SCALE: As indicated

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE FIRST FLOOR PLAN - WING A

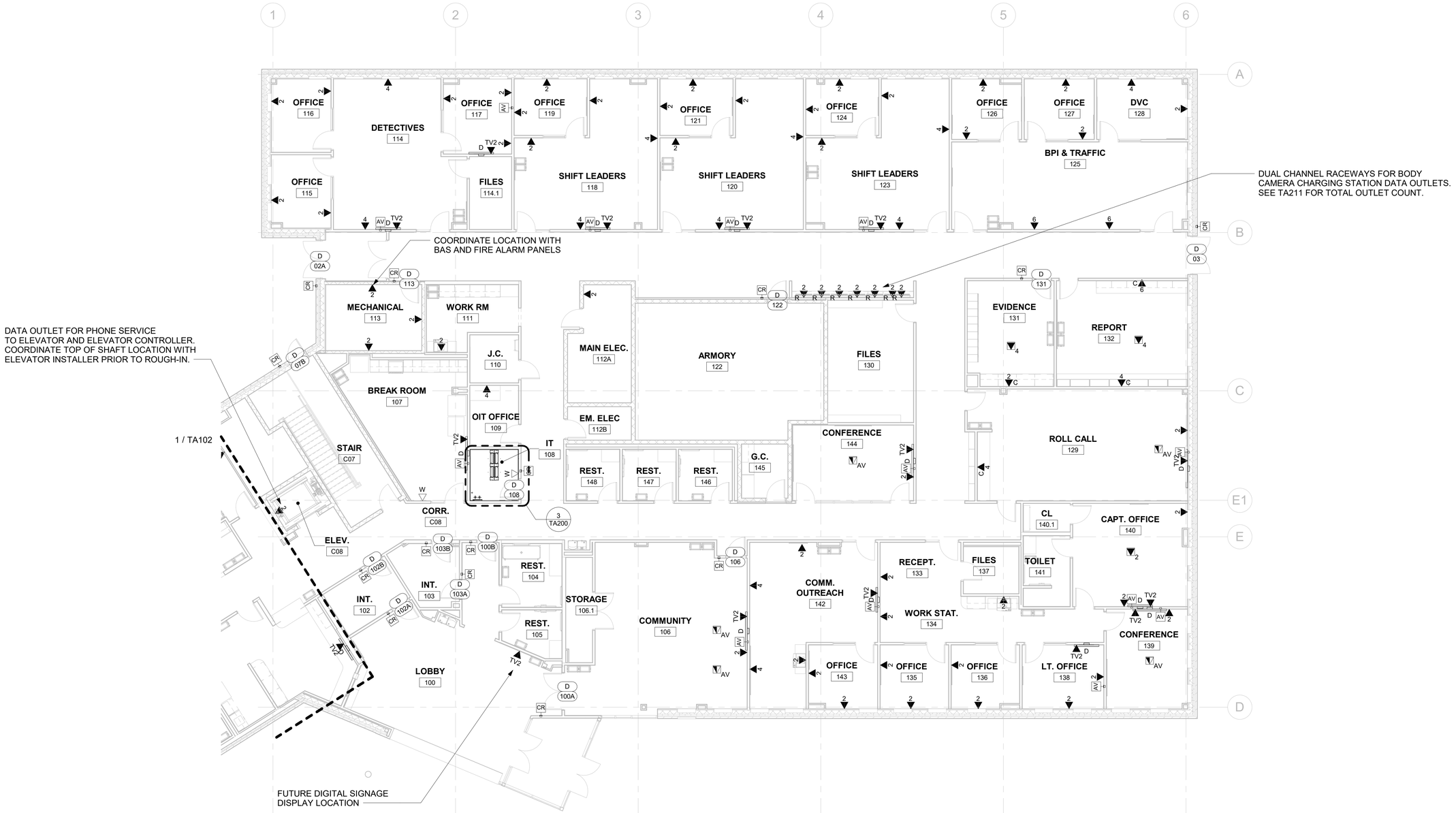
RENOVATION & ADDITION

SUBDIVISION: ESSEX

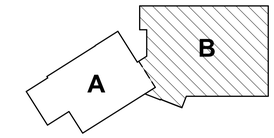
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA102	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 282 OF 295
	DRAWING NUMBER
	2025-1173
	FILE NO.: 8



1 LOW VOLTAGE FIRST FLOOR PLAN - WING B
1/8" = 1'-0"



KEY PLAN - WING B

0 4'-0" 8'-0" 16'-0"

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-26 — RCDD

DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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. | KEY SHEET | POSITION SHT

R.O.W. NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE

PLAN SCALE: As indicated
PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE FIRST FLOOR PLAN - WING B

RENOVATION & ADDITION

SUBDIVISION: ESSEX

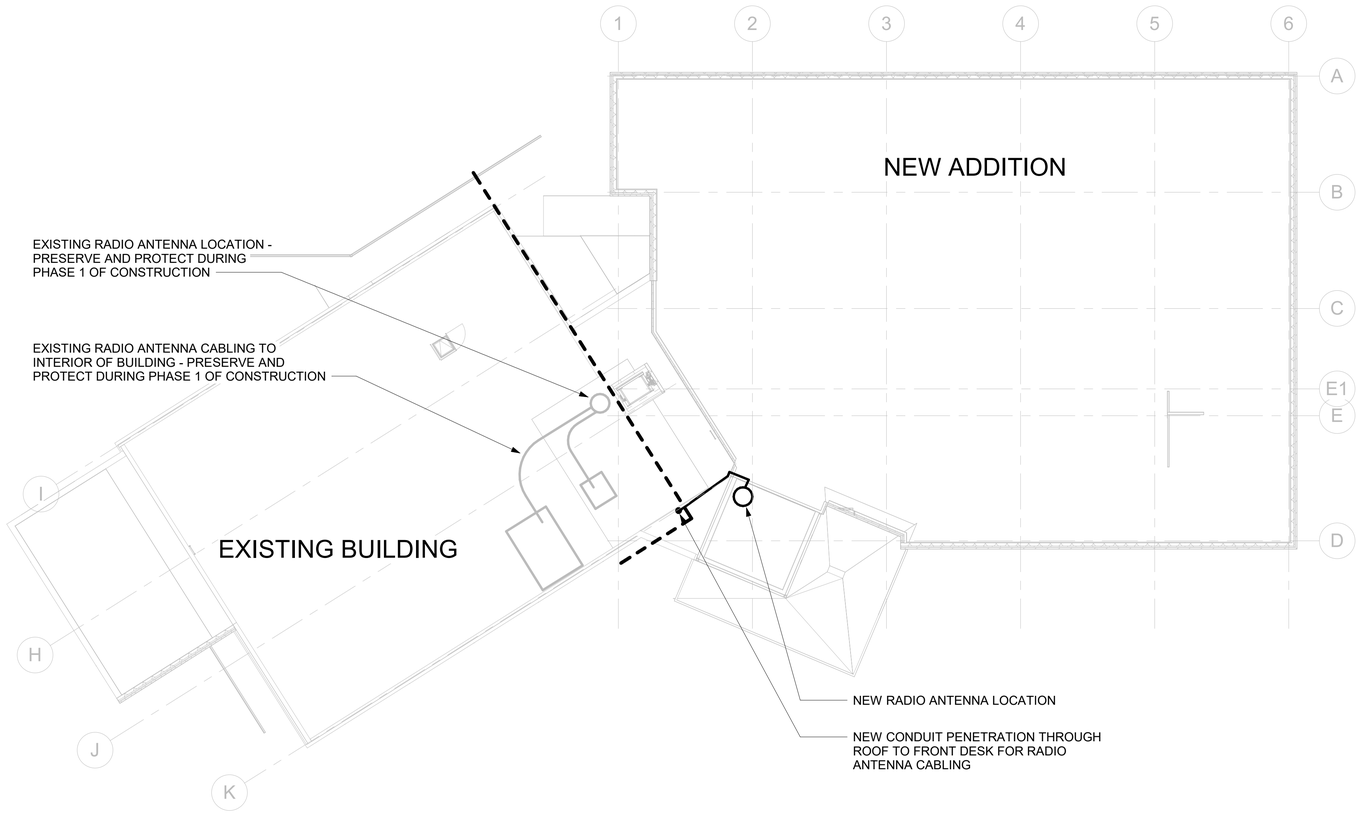
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA103	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 283 OF 295
	DRAWING NUMBER
	2025-1174
	FILE NO.: 8

File Path:

DWG. FILENAME:



1 LOW VOLTAGE ROOF PLAN
1/16" = 1'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD — 11-17-2004

DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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.	ISW	7NE28 7NE29 8NE28 8NE29

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:							
DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE ROOF PLAN

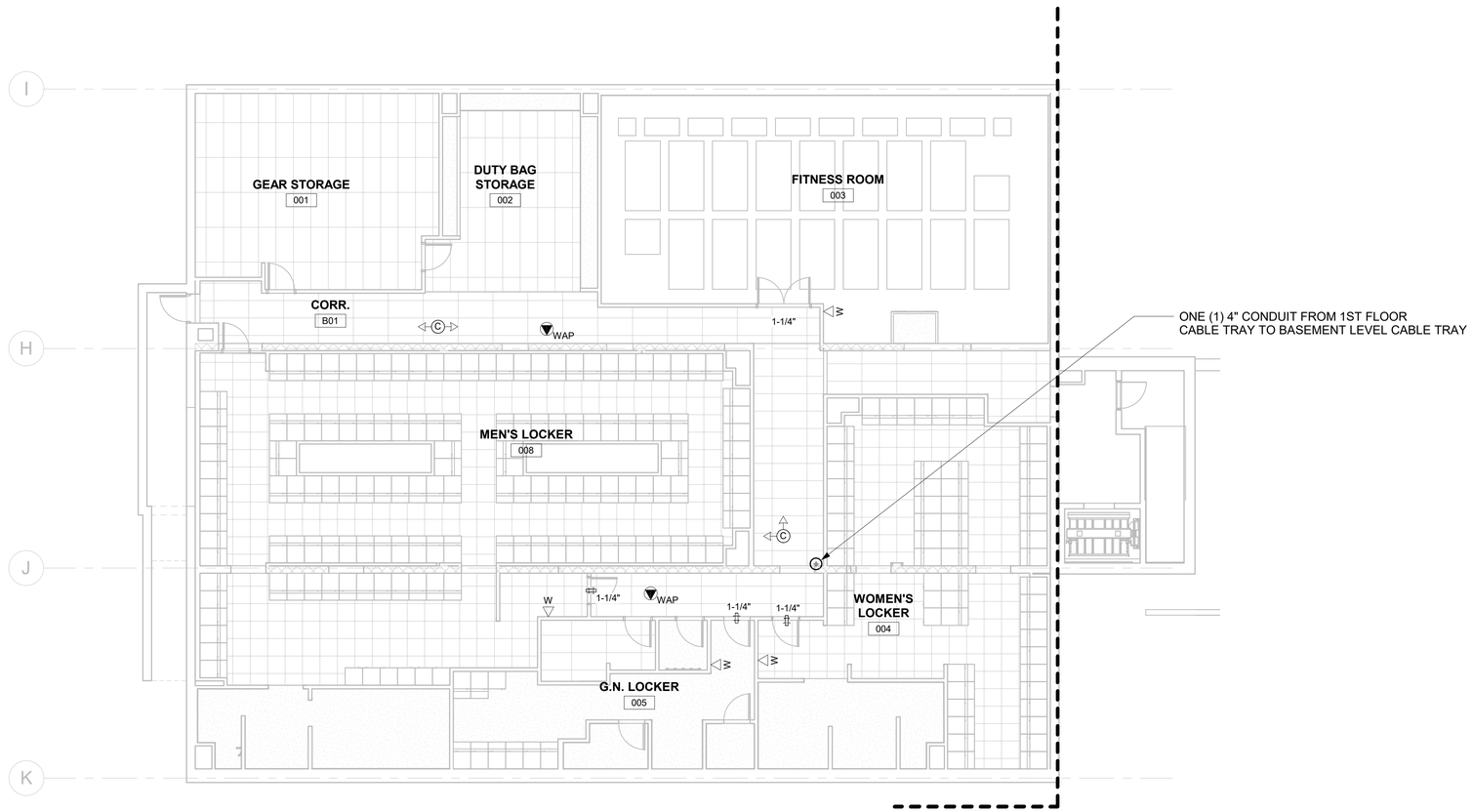
RENOVATION & ADDITION

216 North Marlyn Ave, Essex, Maryland, 21221

SUBDIVISION: ESSEX

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA104	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 284 OF 295	
DRAWING NUMBER	2025-1175
FILE NO.: 8	REV. 07.22



1 LOW VOLTAGE BASEMENT REFLECTED CEILING PLAN
1/8" = 1'-0"

0 4'-0" 8'-0" 16'-0"

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD — JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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
REVIEWED BY:		
DATE REVIEWED:		

P.W.A. NO.	KEY SHEET	POSITION SHT
		7NE28
		7NE29
R.O.W. NO.	ISW	8NE28
		8NE29

STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER

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

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE BASEMENT REFLECTED CEILING PLAN

RENOVATION & ADDITION

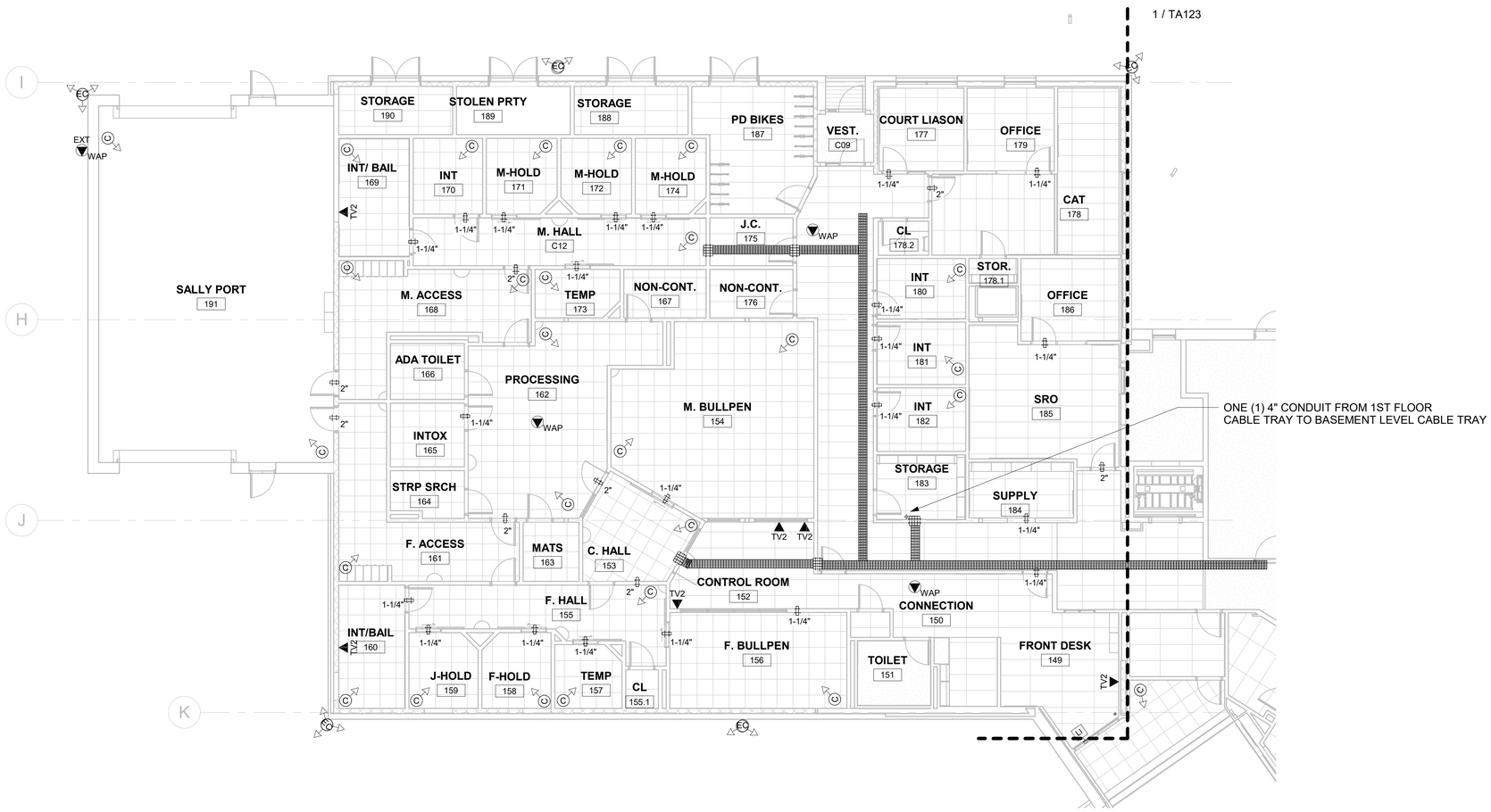
SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

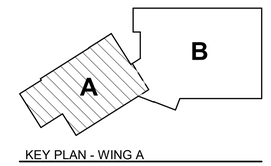
ELECTION DIST. NO.: 15C7

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
TA121	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 285 OF 295
	DRAWING NUMBER
	2025-1176
	FILE NO.: 8



1 LOW VOLTAGE FIRST FLOOR
REFLECTED CEILING PLAN - WING A
1/8" = 1'-0"



KEY PLAN - WING A

0 4'-0" 8'-0" 16'-0"

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER, BICSI, BRIAN WHITLOCK, BICSI ID # 163087, EXPIRES 12-31-26, RCDD, JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT

BY: _____ DATE: _____

DATE: JULY 14, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	As indicated
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY:	BW
DWN BY:	JM
CHKD BY:	BH

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

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING A

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA122	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 286 OF 295	
DRAWING NUMBER	2025-1177
FILE NO.: 8	REV. 03/22

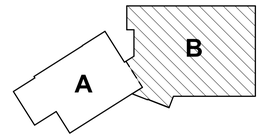
File Path

DWG. FILENAME:

1 / TA122



1 LOW VOLTAGE FIRST FLOOR
REFLECTED CEILING PLAN - WING B
1/8" = 1'-0"



KEY PLAN - WING B

0 4'-0" 8'-0" 16'-0"

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD — JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE FIRST FLOOR REFLECTED CEILING PLAN - WING B

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

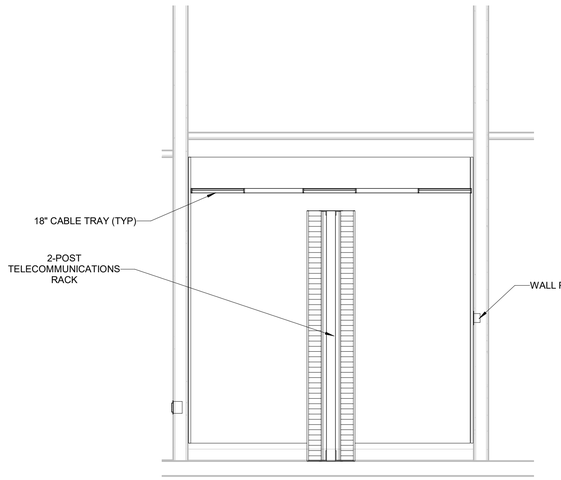
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA123	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 287 OF 295
	DRAWING NUMBER
	2025-1178
	FILE NO.: 8

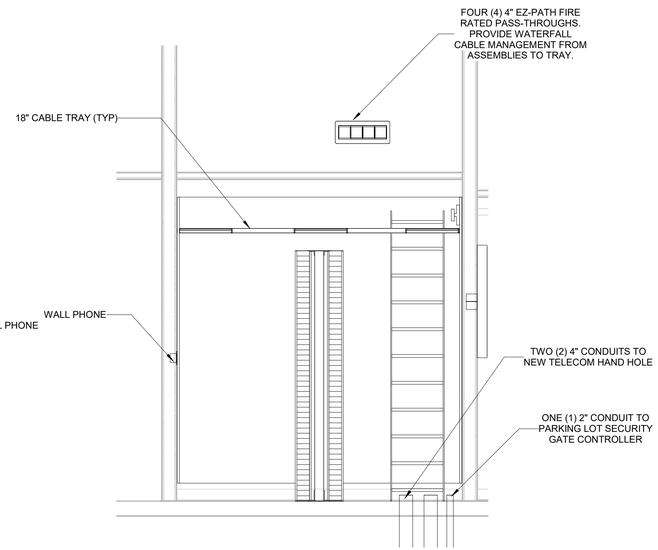
BALTIMORE COUNTY MARYLAND

File Path

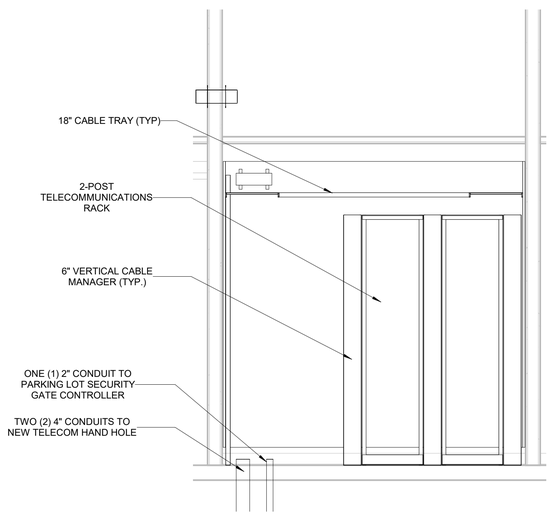
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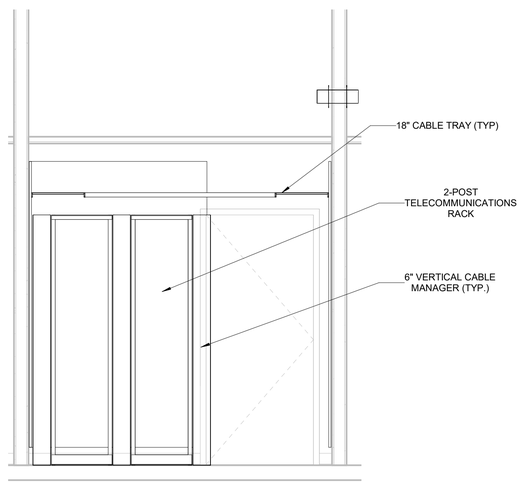
1 IT ELEVATION NORTH
1/2" = 1'-0"



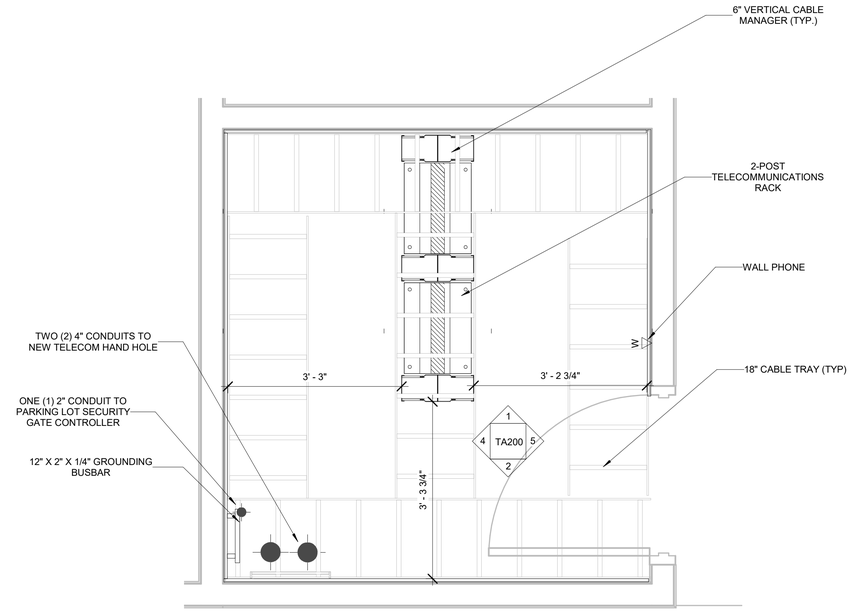
2 IT ELEVATION SOUTH
1/2" = 1'-0"



4 IT ELEVATION WEST
1/2" = 1'-0"



5 IT ELEVATION EAST
1/2" = 1'-0"



3 IT ENLARGED FLOOR PLAN
3/4" = 1'-0"

File Path

DWG FILENAME

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD — DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

IT ELEVATIONS & ENLARGED DETAILS

RENOVATION & ADDITION

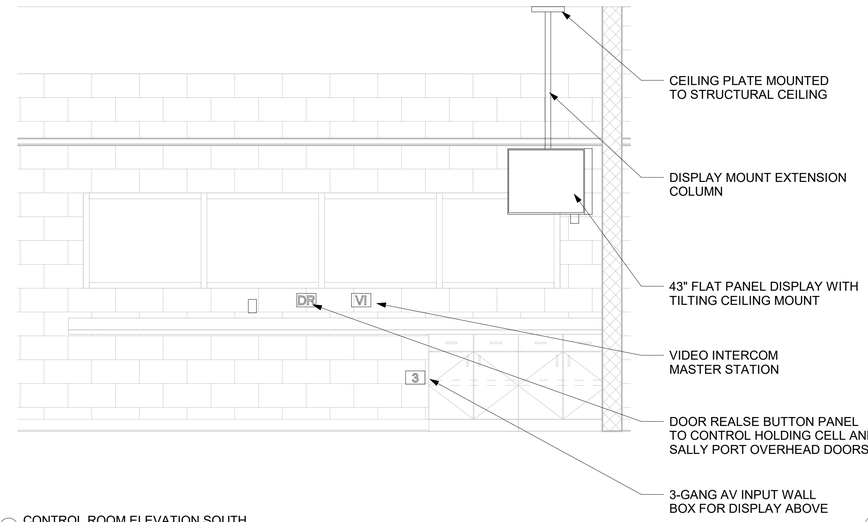
SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

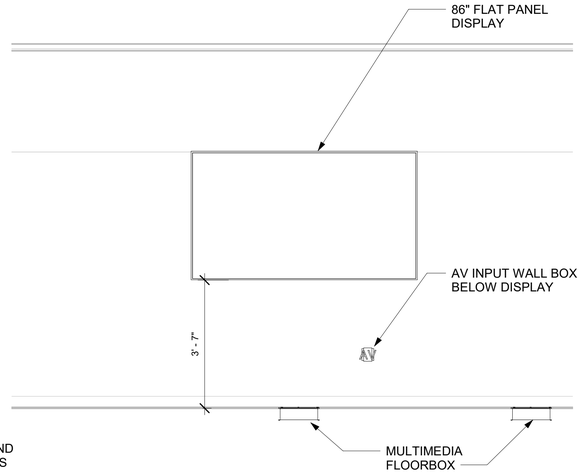
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA200	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 288 OF 295
	DRAWING NUMBER
	2025-1179
	FILE NO.: 8 REV. 07/23

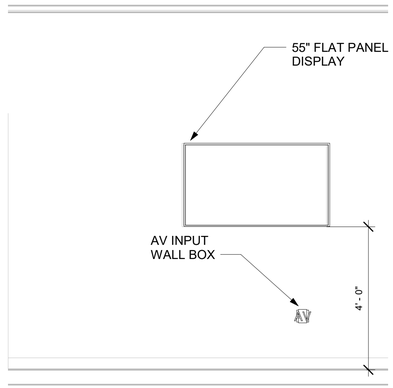
BALTIMORE COUNTY MARYLAND



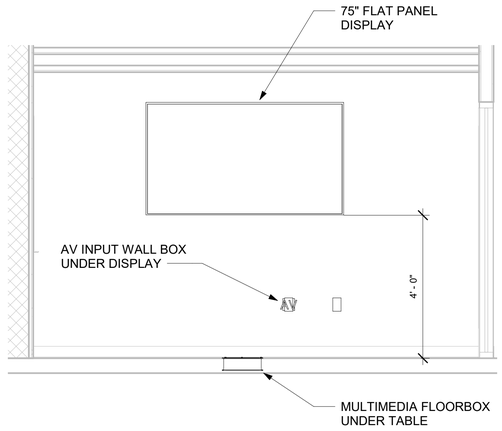
1 CONTROL ROOM ELEVATION SOUTH
1/2" = 1'-0"



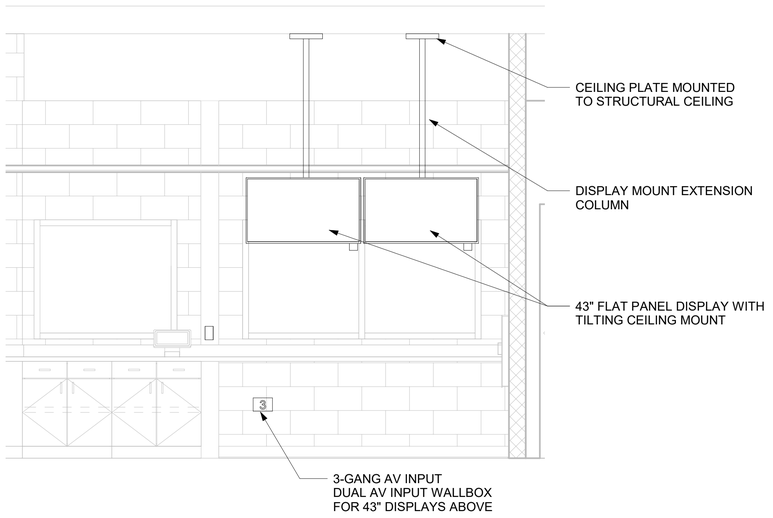
2 COMMUNITY 106 DISPLAY WALL ELEVATION
1/2" = 1'-0"



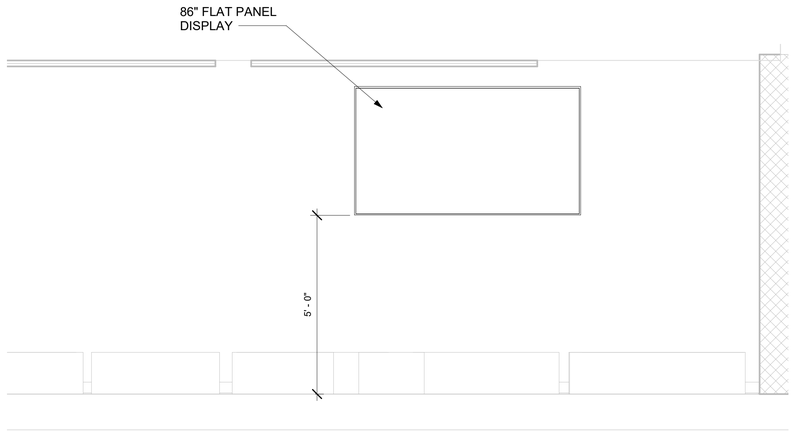
3 TYPICAL OPEN/PRIVATE OFFICE DISPLAY ELEVATION
1/2" = 1'-0"



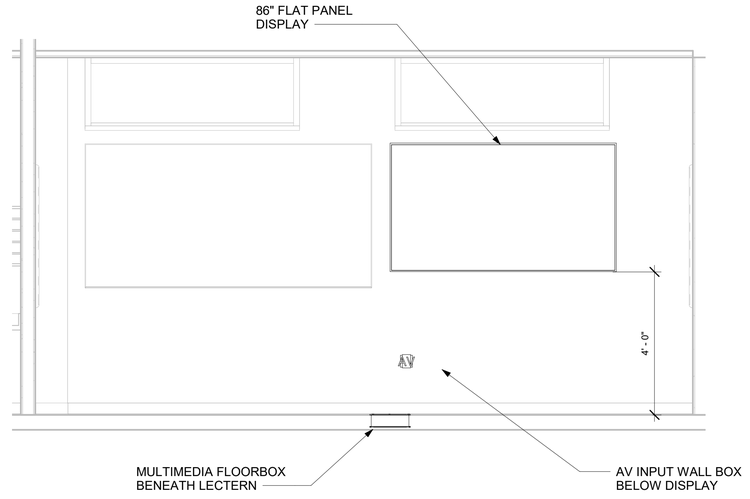
4 TYPICAL CONFERENCE DISPLAY WALL ELEVATION
1/2" = 1'-0"



5 CONTROL ROOM ELEVATION NORTH
1/2" = 1'-0"



6 FITNESS ROOM 003
1/2" = 1'-0"



8 ROLL CALL 129 DISPLAY WALL ELEVATION
1/2" = 1'-0"

File Path

DWG - FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 1630087 — EXPIRES 12-31-26 — RCDD — DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT
BY:
DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

DGN BY:	BW
DWN BY:	JM
CHKD BY:	BH

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.	ISW	7NE28 7NE29 8NE28 8NE29

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

ESSEX POLICE PRECINCT - 11

DISPLAY WALL ELEVATIONS

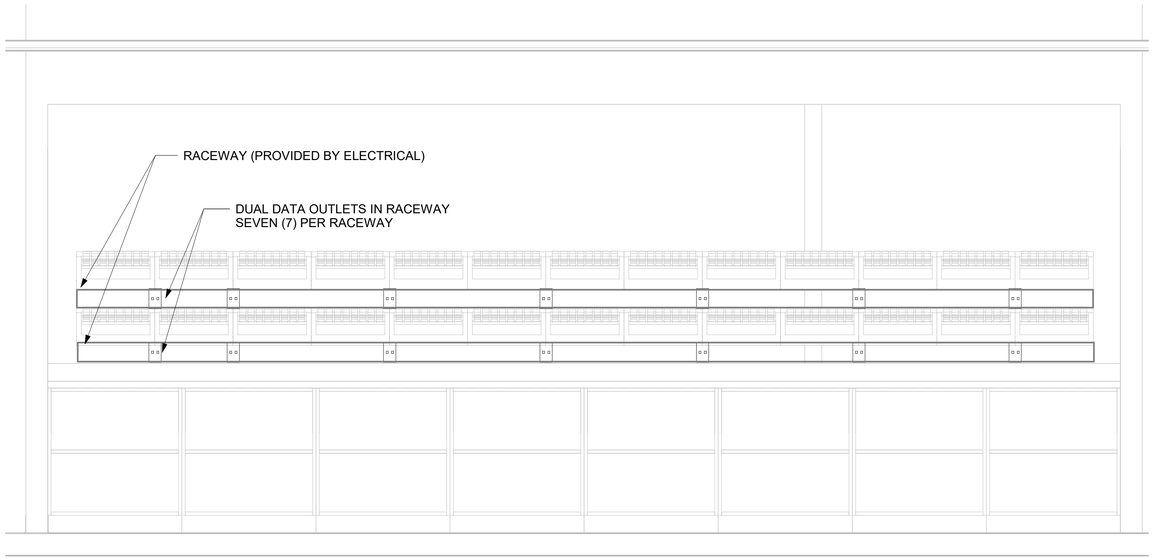
RENOVATION & ADDITION

SUBDIVISION: ESSEX

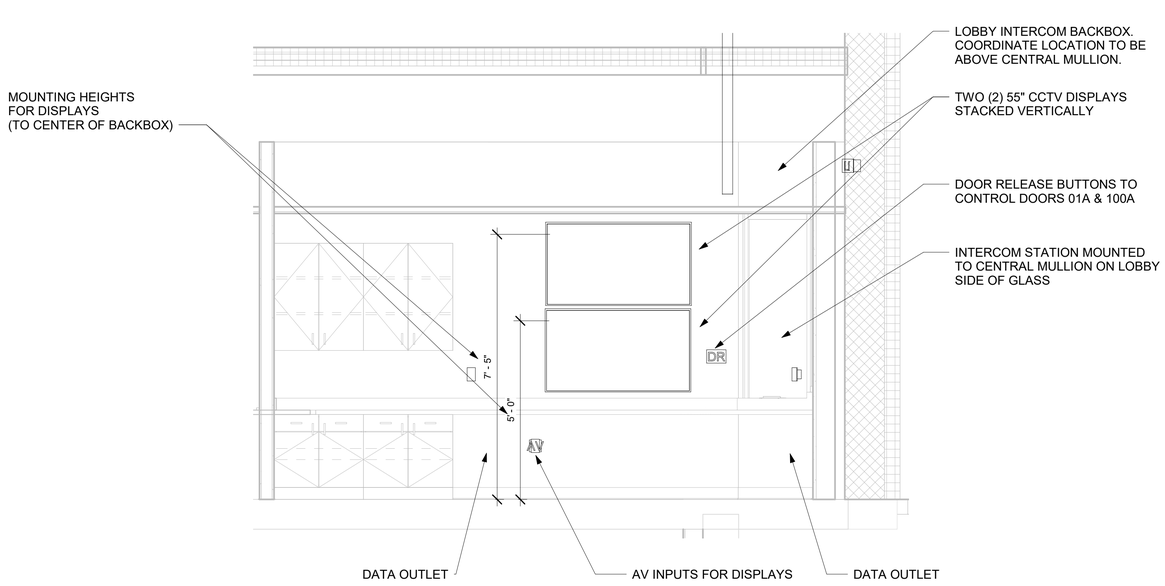
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

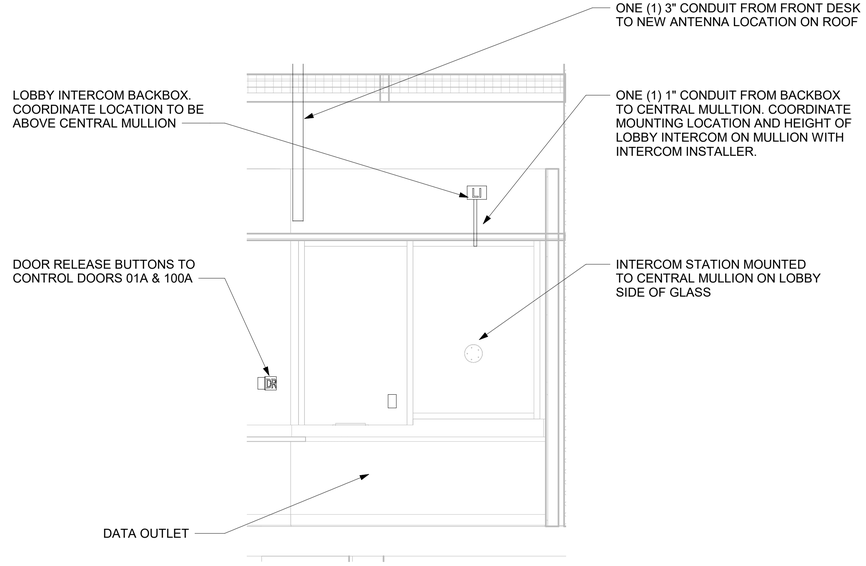
SHEET DESIGNATION	CONTRACT NUMBER
TA210	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 289 OF 295
	DRAWING NUMBER
	2025-1180
	FILE NO.: 8



1 BODY CAMERA CHARGING STATION
TELECOM OUTLETS
3/4" = 1'-0"



2 FRONT DESK DISPLAY WALL
ELEVATION
1/2" = 1'-0"



3 FRONT DESK LOBBY INTERCOM
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 — CTS-D
DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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
REVIEWED BY:
DATE REVIEWED:

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

STORM DRAINS | SEWER | WATER | FIELD ENGINEER

DRAWING SCALE
PLAN SCALE: As indicated
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ PROPERTY MANAGER
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

FRONT DESK & BODY CAMERA CHARGING ELEVATIONS

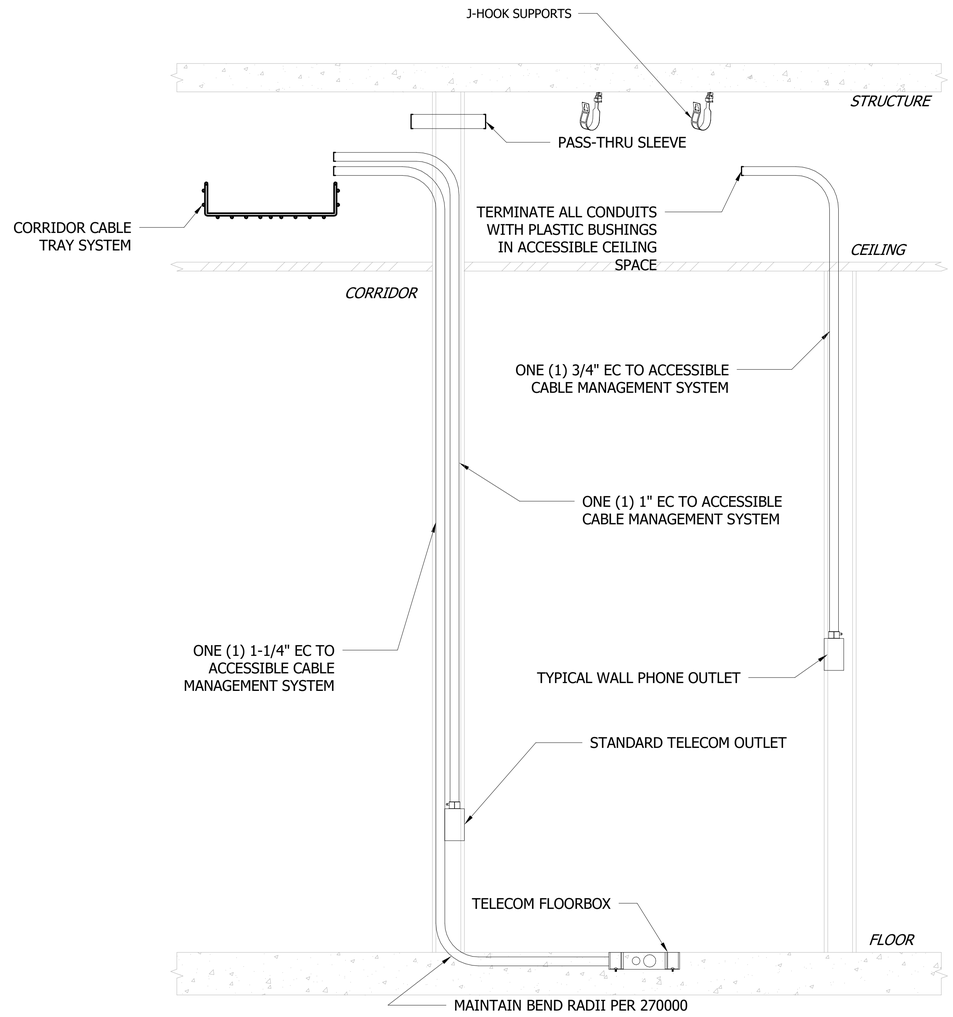
RENOVATION & ADDITION

SUBDIVISION: ESSEX

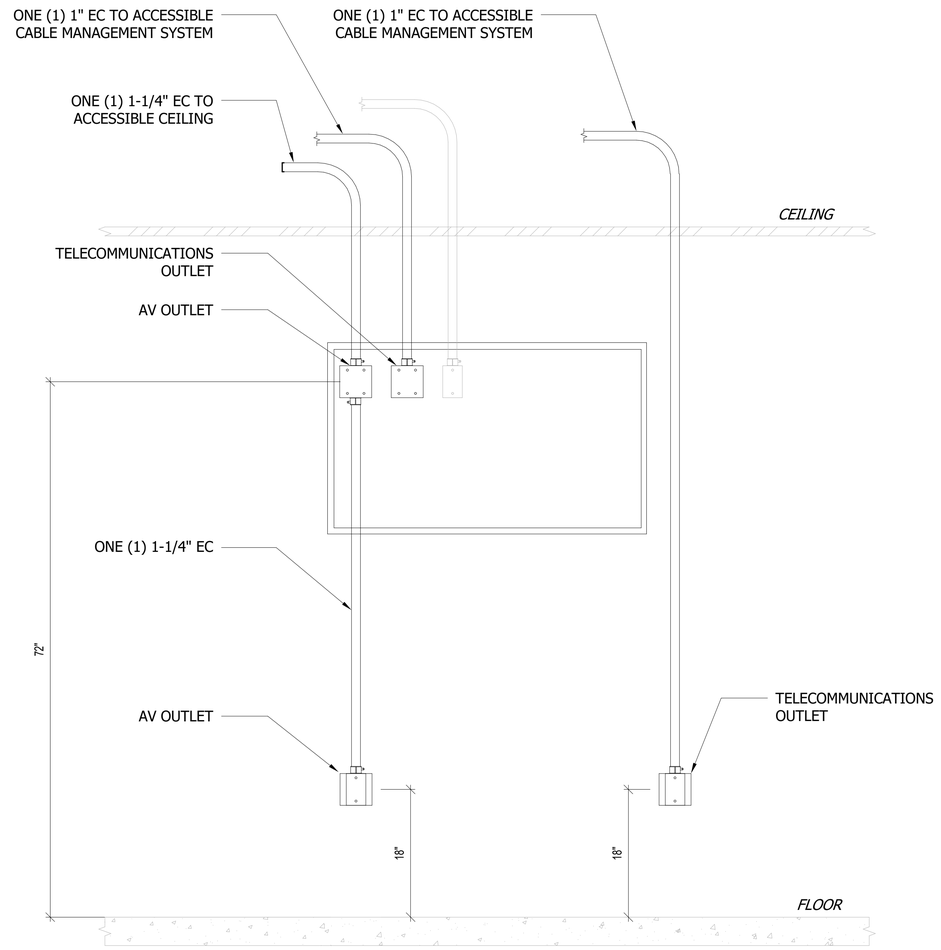
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA211	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 290 OF 295
	DRAWING NUMBER
	2025-1181
	FILE NO.: 8



1 TYPICAL TELECOM INFRASTRUCTURE DETAILS
3" = 1'-0"



2 TYPICAL DISPLAY INFRASTRUCTURE DETAIL
3" = 1'-0"

File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

DATE: JULY 14, 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: _____
ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: BW
DWN BY: JM
CHKD BY: BH

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
CONTRACT COMPLETION BOX | | | R.O.W. NO. | ISW | 7NE28, 7NE29, 8NE28, 8NE29

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

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (1 OF 3)

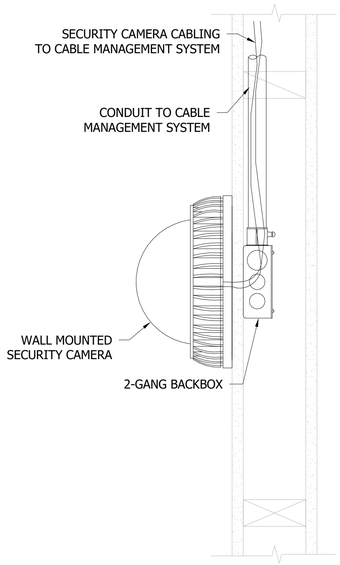
RENOVATION & ADDITION

SUBDIVISION: ESSEX

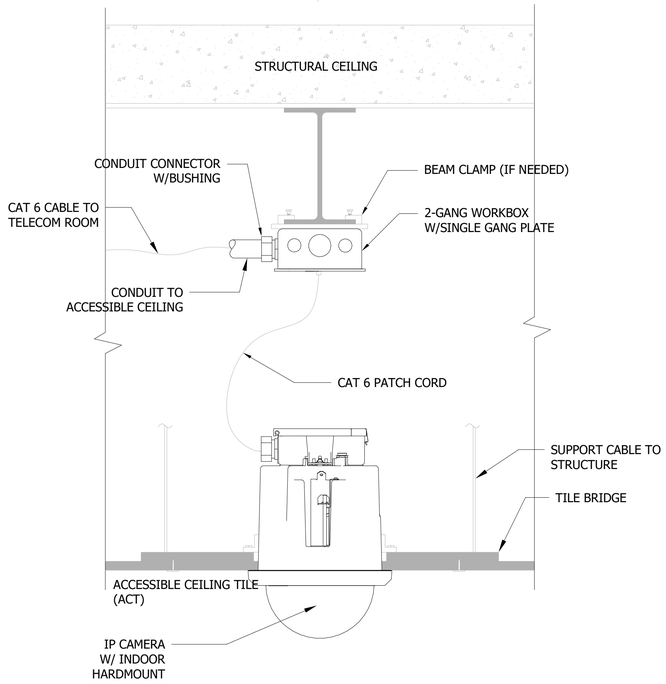
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

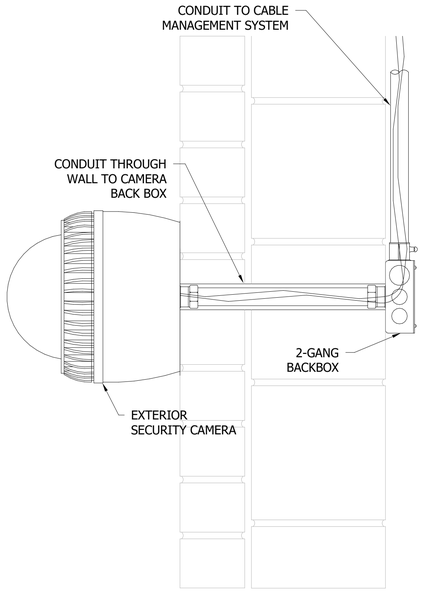
SHEET DESIGNATION	CONTRACT NUMBER
TA500	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 291 OF 295	DRAWING NUMBER 2025-1182
FILE NO.: 8	REV. 05/21



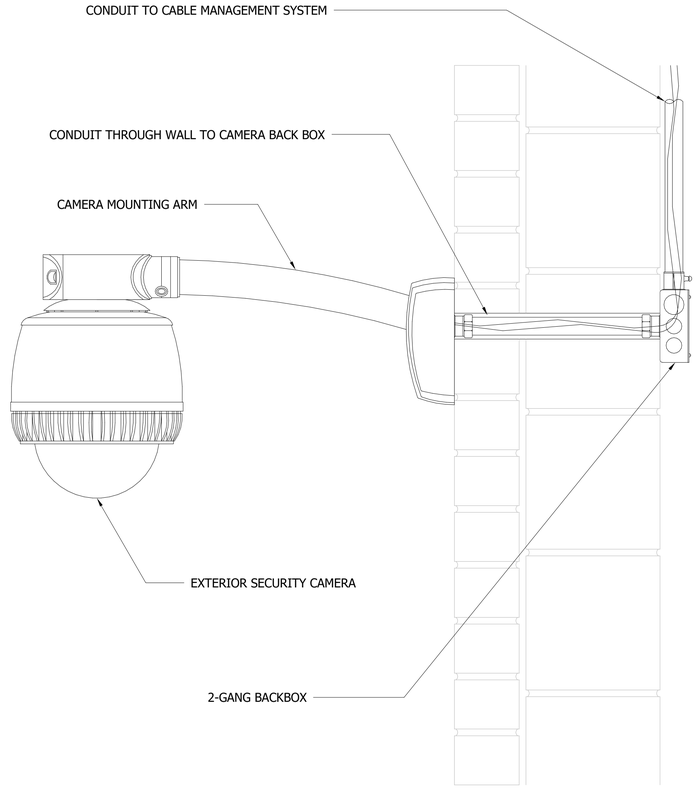
1 INTERIOR WALL MOUNTED CAMERA INFRASTRUCTURE DETAILS
3" = 1'-0"



2 CAMERA IN ACCESSIBLE CEILING TILE INFRASTRUCTURE DETAIL
3" = 1'-0"



3 EXTERIOR CAMERA INFRASTRUCTURE DETAIL
3" = 1'-0"



4 EXTERIOR CAMERA WITH MOUNTING ARM INFRASTRUCTURE DETAIL
3" = 1'-0"

File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26

DATE: JULY 14, 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: _____					R.O.W. NO.	ISW	7NE28 7NE29 8NE28 8NE29	PLAN SCALE:	3" = 1'-0"	APPROVED BY: _____ PROPERTY MANAGER
ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D	DGN BY: BW	CONTRACT COMPLETION BOX						PROFILE SCALE:		DATE: _____
AS-BUILT PER RECORD PRINT	DRN BY: JM	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
BY: DATE:	CHKD BY: BH	REVIEWED BY:								
		DATE REVIEWED:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (2 OF 3)

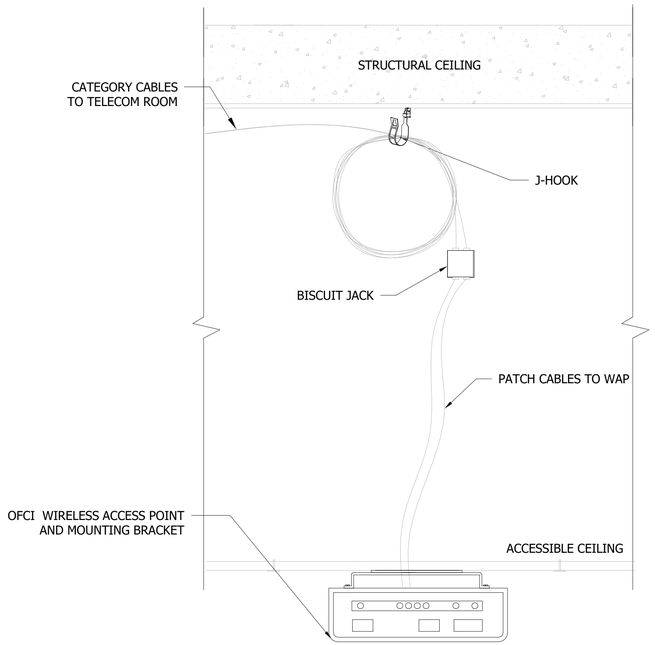
RENOVATION & ADDITION

SUBDIVISION: ESSEX

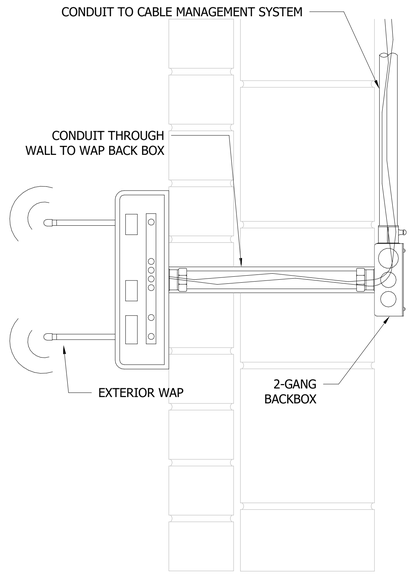
216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

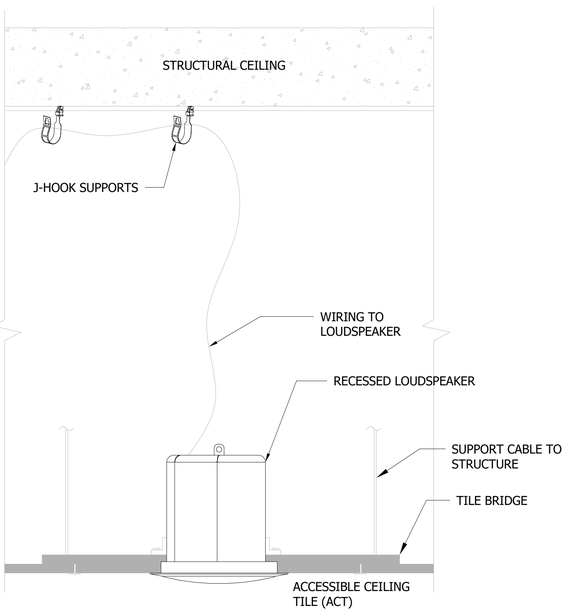
SHEET DESIGNATION	CONTRACT NUMBER
TA501	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 292 OF 295
	DRAWING NUMBER
	2025-1183
	FILE NO.: 8 REV. 05/21



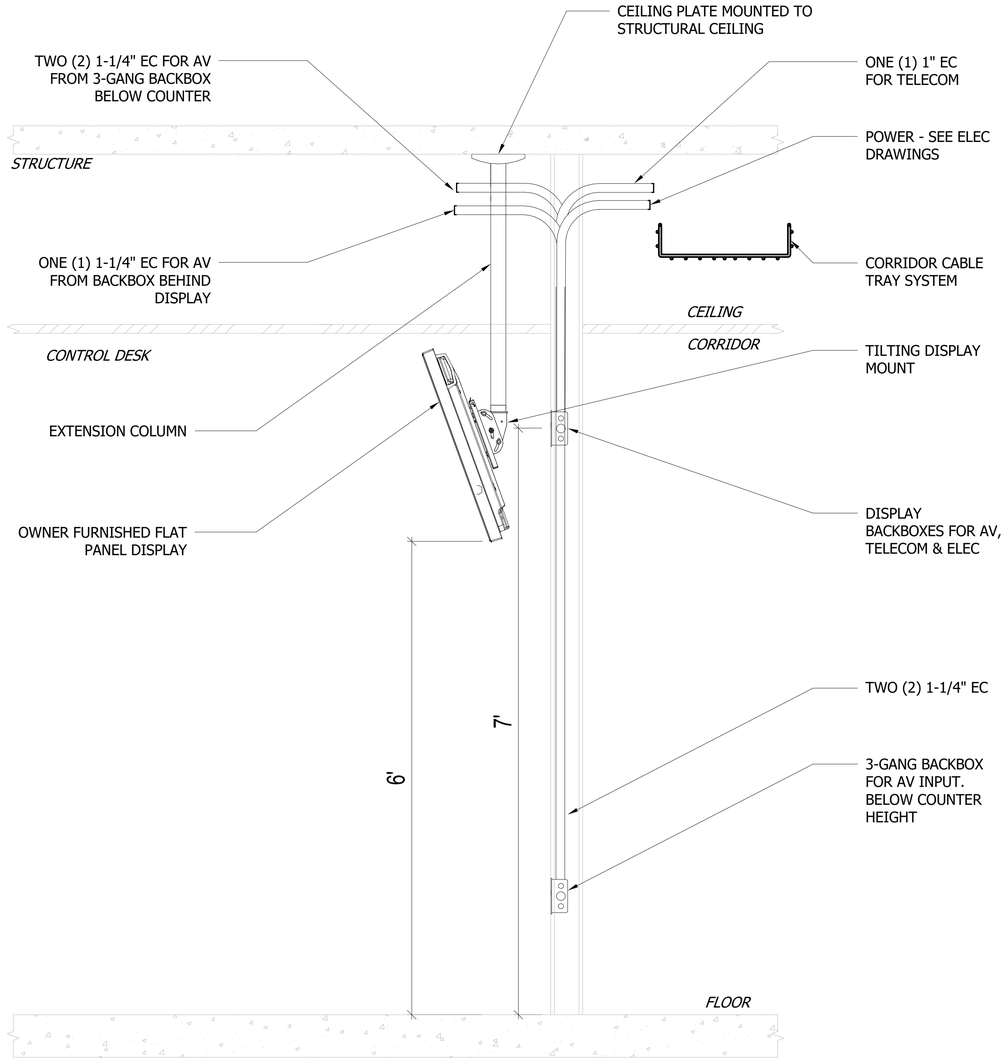
1 WAP IN ACCESSBLE CEILING TILE INFRASTRUCTURE DETAIL
3" = 1'-0"



2 EXTERIOR WALL MOUNTED WAP INFRASTRUCTURE DETAILS
3" = 1'-0"



3 CEILING RECESSED LOUDSPEAKER IN ACT INFRASTRUCTURE DETAIL
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: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

AS-BUILT PER RECORD PRINT

BY: DATE:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

DGN BY:	BW
DWN BY:	JM
CHKD BY:	BH

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE

PLAN SCALE: 3" = 1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

LOW VOLTAGE SYSTEMS INFRASTRUCTURE DETAILS (3 OF 3)

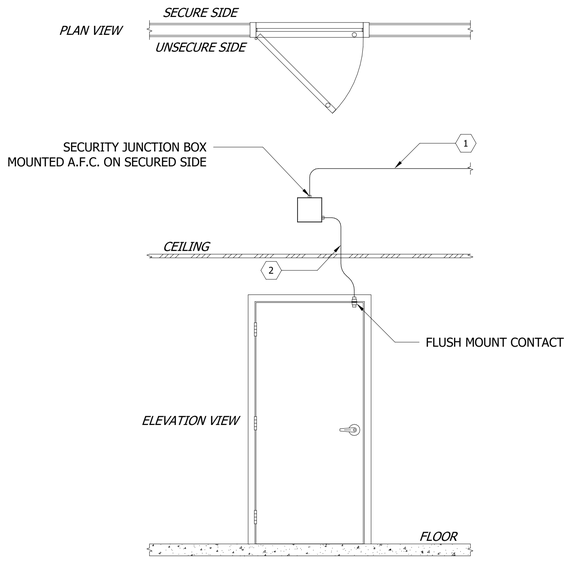
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

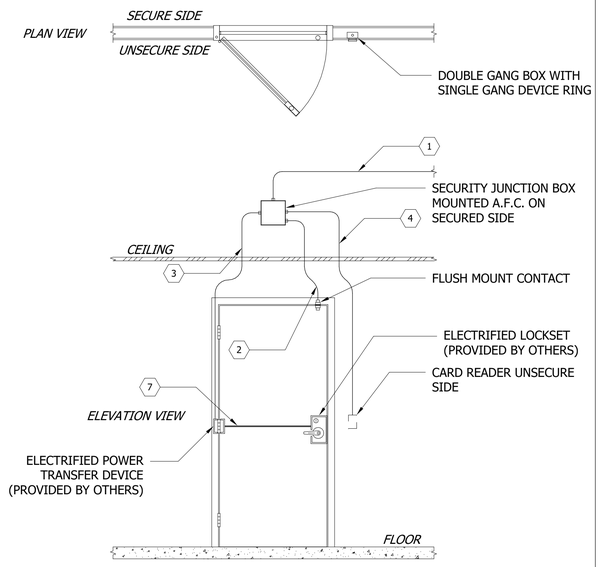
ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA502	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 293 OF 295
	DRAWING NUMBER
	2025-1184
	FILE NO.: 8



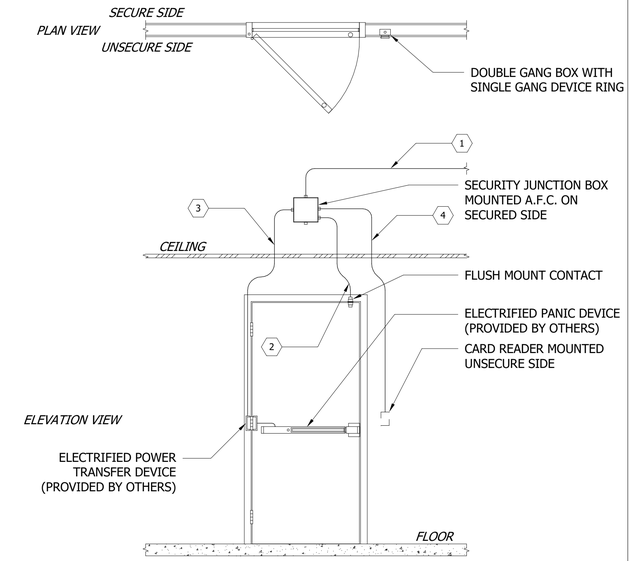
D10 DOOR TYPE D10

Scale: NTS



D11 DOOR TYPE D11

Scale: NTS



D12 DOOR TYPE D12

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.

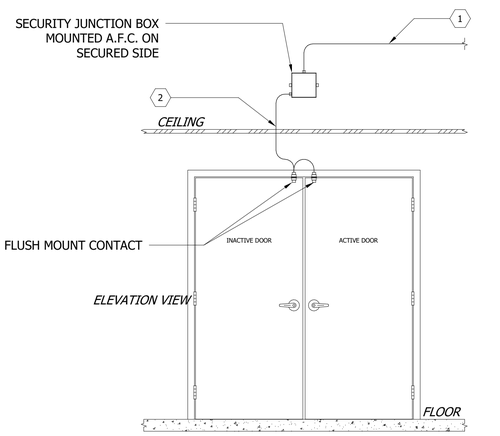
3 = ONE (1) 3/4" EC FROM SECURITY JUNCTION BOX STUBBED BEHIND DOOR FRAME TO ELECTRIFIED POWER TRANSFER DEVICE.

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.

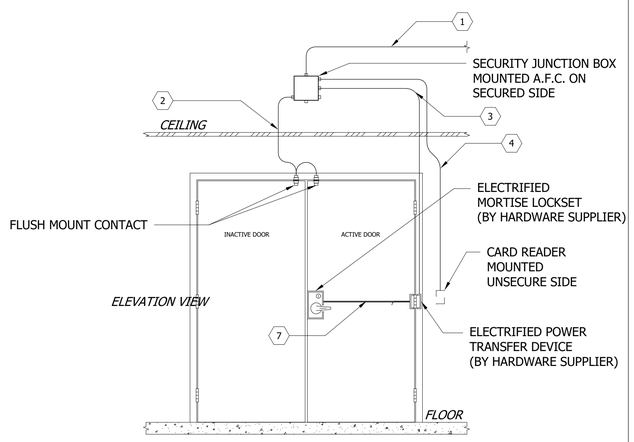
6 = AUTOMATIC DOOR OPERATOR (PROVIDED BY OTHERS).

7 = ONE (1) 3/8" CORE DRILL THROUGH DOOR TO LOCKSET. (PROVIDED BY OTHERS).



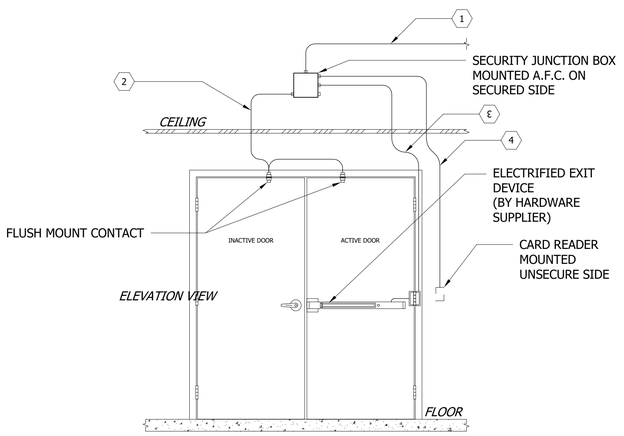
D20 DOOR TYPE D20

Scale: NTS



D21 DOOR TYPE D21

Scale: NTS



D22 DOOR TYPE D22

Scale: NTS

1 ELECTRONIC ACCESS CONTROL DOOR DETAILS SINGLE DOORS

1/2" = 1'-0"

File Path

DRG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — CRCDD

DATE: JULY 14, 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: _____

ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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.	ISW	7NE28 7NE29 8NE28 8NE29

DRAWING SCALE	
PLAN SCALE:	1/2" = 1'-0"
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

DGN BY:	BW
DWN BY:	JM
CHKD BY:	BH

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

ESSEX POLICE PRECINCT - 11

ELECTRONIC ACCESS CONTROL DOORS

RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA510	25022 PP0
	JOB ORDER NUMBER
	PROJ-10000636
	SHEET 294 OF 295
	DRAWING NUMBER
	2025-1185
	FILE NO.: 8

ELECTRONIC ACCESS CONTROL DOOR SCHEDULE							
Door Number	Door Type	Single/Double	Video Intercom	Door Contact	Door Contact (2nd Leaf)	Card Reader (Secure Side)	Card Reader (Unsecure Side)
02A	D	DOUBLE	No	Yes	Yes	No	Yes
03	D	DOUBLE	No	Yes	Yes	No	Yes
07B	D	SINGLE	No	Yes	No	No	Yes
100A	D	DOUBLE	No	Yes	Yes	No	Yes
100B	D	SINGLE	No	Yes	No	No	Yes
102A	D	SINGLE	No	Yes	No	No	Yes
102B	D	SINGLE	No	Yes	No	No	Yes
103A	D	SINGLE	No	Yes	No	No	Yes
103B	D	SINGLE	No	Yes	No	No	Yes
106	D	SINGLE	No	Yes	No	No	Yes
108	D	SINGLE	No	Yes	No	No	Yes
113	D	SINGLE	No	Yes	No	No	Yes
122	D	SINGLE	No	Yes	No	No	Yes
131	D	SINGLE	No	Yes	No	No	Yes
149	D	SINGLE	No	Yes	No	No	Yes
150A	D	SINGLE	No	Yes	Yes	No	Yes
152	D	SINGLE	No	Yes	No	Yes	Yes
153	D	SINGLE	No	Yes	No	Yes	Yes
160	D	SINGLE	No	Yes	No	Yes	Yes
162A	D	SINGLE	No	Yes	No	Yes	Yes
169	D	SINGLE	No	Yes	No	Yes	Yes
170	D	SINGLE	No	Yes	No	Yes	Yes
191A	D	SINGLE	Yes	Yes	No	Yes	Yes
191B	D	SINGLE	Yes	Yes	No	Yes	Yes
191C	D	SINGLE	Yes	Yes	No	Yes	Yes
191D	D	SINGLE	Yes	Yes	No	Yes	Yes
B01	D	SINGLE	No	Yes	No	No	Yes
C09A	D	SINGLE	No	Yes	No	No	Yes
Grand total: 28							

File Path

DWG. FILENAME:

SEAL: REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER — Bicsi — BRIAN WHITLOCK — BICSI ID # 163087 — EXPIRES 12-31-26 — RCDD

DATE: JULY 14, 2025

PROFESSIONAL CERTIFICATION

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ENGINEER: BRIAN WHITLOCK, RCDD, CTS-D

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: ISW

POSITION SHT: 7NE28, 7NE29, 8NE28, 8NE29

DRAWING SCALE

PLAN SCALE: _____

PROFILE SCALE: _____

PROPERTY MANAGEMENT

APPROVED BY: _____ PROPERTY MANAGER

DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

ESSEX POLICE PRECINCT - 11

ELECTRONIC ACCESS CONTROL DOOR SCHEDULE

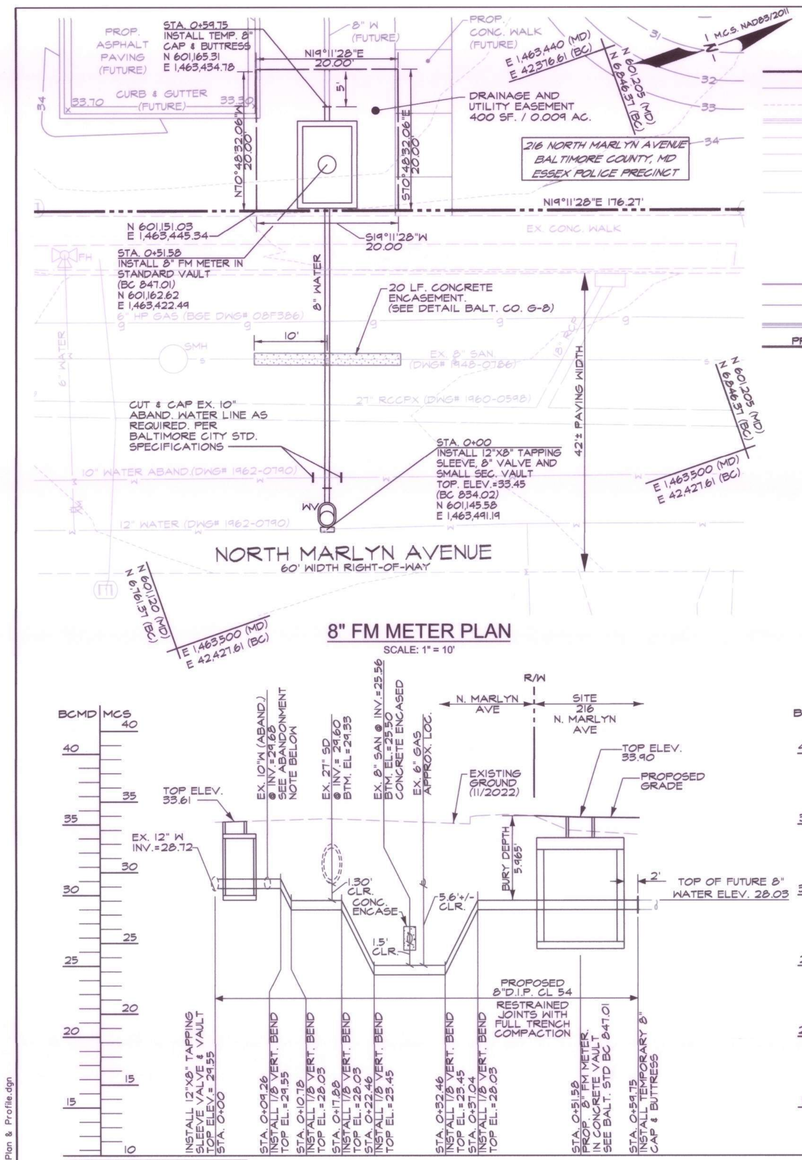
RENOVATION & ADDITION

SUBDIVISION: ESSEX

216 North Marlyn Ave, Essex, Maryland, 21221

ELECTION DIST. NO.: 15C7

SHEET DESIGNATION	CONTRACT NUMBER
TA511	25022 PP0
JOB ORDER NUMBER	PROJ-10000636
SHEET 295 OF 295	
DRAWING NUMBER	2025-1186
FILE NO.: 8	REV. 07.22



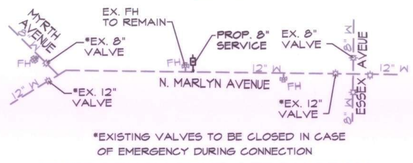
8" FM METER PLAN

SCALE: 1" = 10'

ABANDONMENT NOTE:
CUT & CAP EX. 10" ABANDON WATER LINE AS REQUIRED.

8" FM METER PROFILE

SCALE: HORIZ. 1"=10'
VERT. 1"=5'



*EXISTING VALVES TO BE CLOSED IN CASE OF EMERGENCY DURING CONNECTION

EMERGENCY SHUT-OFF DIAGRAM

SCALE: NTS

GRAPHIC SCALES
HORZ. 1 inch = 10 ft.
VERT. 1 inch = 5 ft.

LEGEND

- PROPERTY LINE
- EX. INDEX CONTOUR
- EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- EX. GAS MAIN
- EX. OVERHEAD ELECTRIC
- EX. SANITARY SEWER
- EX. WATER
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. GAS VALVE
- PROP. INDEX CONTOUR
- PROP. INTERMEDIATE CONTOUR
- PROP. CONCRETE CURB & GUTTER
- PROP. WATER LINE
- PROP. WATER VALVE
- PROP. 8" FM WATER METER. SEE BC STD. 847.01

NOTE:
SEE SHEET 2 FOR METER ABANDONMENT SCHEDULE AND LOCATIONS

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 RECORDED IN THE LAND RECORDS OF BALTIMORE COUNTY IN PLAT BOOK _____, FOLIO ___, WHICH PLAT WAS PREPARED IN COMPLIANCE WITH BALTIMORE COUNTY, DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, REAL ESTATE COMPLIANCE, DRAFTING SECTION MANUAL DATED JANUARY, 1997."

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.

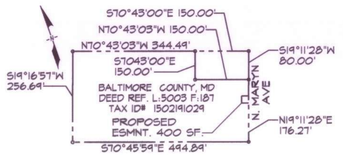
TYPE OF CONVEYANCE	NO.	TOTAL AREA* (AC)
ACCESS EASEMENT		
DRAINAGE AND UTILITY EASEMENT	1	400 SF. OR 0.009AC.
HIGHWAY WIDENING		
HIGHWAY EASEMENT		
REVERTIBLE SLOPE EASEMENT		
HIGHWAY RIGHT-OF-WAY		
SIGHTLINE EASEMENT		
TURNAROUND EASEMENT		

* 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.

BENCHMARK DATA

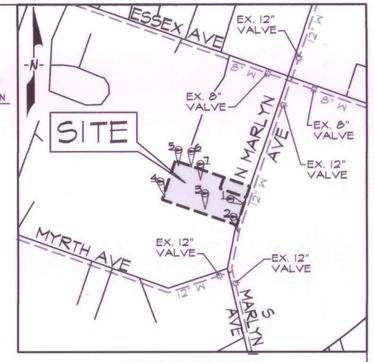
THE LOCATION OF IMPROVEMENTS SHOWN HEREON ARE DERIVED FROM MARYLAND COORDINATE SYSTEM NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.999971699. ELEVATIONS SHOWN HEREON ARE BASED ON THE NGVD-88 VERTICAL DATUM

POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	601,175.4174	1,463,460.6840	34.41	B+C SET
2	601,007.8627	1,463,415.6510	33.09	B+C SET
3	601,150.1841	1,463,210.7419	32.06	B+C SET
4	601,266.8471	1,462,860.0274	33.26	B+C SET
5	601,430.5684	1,463,047.4859	36.10	B+C SET
6	601,404.8751	1,463,121.7953	36.14	B+C SET
7	601,304.8603	1,463,184.2692	35.07	B+C SET



PROPERTY BOUNDARY

SCALE: 1" = 200'



VICINITY MAP

SCALE: 1" = 500'

*SEE EMERGENCY VALVE SHUT-OFF DIAGRAM THIS SHEET.

BILL OF MATERIALS

QUANTITY	DESCRIPTION	SIZE
60 L.F.	DIP (CL 54) WITH RESTRAINED JOINTS	8"
1	FM METER IN LARGE STANDARD VAULT (BC 847.01) *	8"
1	TAPPING SLEEVE, VALVE & VAULT (BC. STD. 834.02)	12" X 8"
6	1/8 (45°) VERTICAL BEND (BC STD. 867.01)	8"
1	TEMPORARY CAP & BUTTRESS (BC. STD. 861.01)	8"

*SHALL BE BID LUMP SUM INCLUDING 8" F.M. METER AND ALL PIPING APPURTENANCES WITHIN VAULT, COMPLETE IN PLACE.

EX. 8" SANITARY SEWER TO BE CONCRETE ENCASED 10' ON EACH SIDE FROM CENTERLINE OF PROPOSED 8" WATER LINE

CONCRETE ENCASEMENT DETAIL

SCALE: NTS

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.
4. CONTRACTOR TO TEST PIT AND VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
5. CONTRACTOR TO NOTIFY ENGINEER AND BALTIMORE COUNTY IF THE CLEARANCES WITH THE UTILITIES SHOWN CANNOT BE ACHIEVED.
6. THE CONTRACTOR IS REQUIRED TO PROTECT AND MAINTAIN EXISTING STREET LIGHT POLES AND OVERHEAD/UNDERGROUND CONDUIT/CABLES ETC., AND STREET LIGHTING FACILITIES DURING CONSTRUCTION.

REFERENCE DRAWINGS

WATER: 1962-0790, 2024-3872, 2024-3873
SANITARY: 1948-0786
STORM DRAIN: 1960-0598
GAS (BGE): 08F386

DUCTILE IRON PIPE:

8" CLASS 54 THICKNESS 0.34"
12" CLASS 54 THICKNESS 0.43"
(AWWA C150/A21.50 / TABLE 15 OR LATEST)
DUCTILE IRON FITTINGS SHALL MEET LATEST AWAA C110/A21.10 AND C153/A21.53 (PRESSURE RATING SHALL BE 350 PSI)

LOWEST ELEV. TOP OF MAIN: 27.87
NORMAL OPERATING PRESSURE: 92 P.S.I.
TEST PRESSURE: 150 P.S.I.
WATER ZONE: DRUID LAKE 1ST ZONE
200 SCALE GRID: 09DB3
CITY PLAT NUMBER: AA-41

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 176 - COUNTY - 24.
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) 887-3551.
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) 396-1665, 72 HOURS BEFORE STARTING WORK.
15. THE CONTRACTOR SHALL DISCHARGE THE CHLORINATED FLUSH WATER INTO A SANITARY SEWER. CONTACT THE BALTIMORE COUNTY DPW SEWER SECTION AT (410)-887-3781 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 410-887-3781 AND THE BUREAU OF UTILITIES AT 410-887-7415 OF THE EXACT LOCATION OF THE PLANNED DISCHARGE. THIS WILL ALLOW FOR 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 OF 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 5.5' MINIMUM AND 6.5' 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 CIANFERANO 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. THE CONTRACTOR SHALL NOTIFY THE METER SHOP, (410) 396-0170, AT LEAST ONE (1) WEEK PRIOR TO PICK-UP OF THE METER(S).
24. METERS DESIGNATED TO A SPECIFIC LOCATION OR ADDRESS SHALL NOT BE RELOCATED WITHOUT PERMISSION FROM BALTIMORE CITY, BUREAU OF WATER AND WASTEWATER.
25. 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.
26. CONTRACTOR SHALL ENSURE THAT EXISTING VALVES ARE TIED BACK (ABANDONMENT) BEFORE REMOVING ANY PART OF THE EXISTING WATER LINE OR BUTTRESSES.
27. ALL TOPS OF ALL NEW MANHOLES, INLETS AND VALVES LOCATED WITHIN EXISTING ROAD MATERIAL SHALL BE BUILT TO EXISTING GRADE ELEVATIONS UNDER THIS CONTRACT.
28. 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.
29. TRENCH REPAIR SHALL BE AS PER STANDARD DETAIL R-38. RESURFACING BEYOND THE TRENCH MAY BE REQUIRED, AT THE DISCRETION OF THE FIELD ENGINEER.
30. 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 METTING 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.
31. RESTRAINED JOINTS:
    I. 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.
32. PRESSURE REDUCING VALVE IF NEEDED, IS REQUIRED TO BE INSTALLED ON THE CUSTOMER SIDE OF THE WATER MAIN SERVICE.

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 410-887-5496.)

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM NAV 83/NA2011 HORIZONTAL AND NAVD 1988 VERTICAL DATUM

ENGINEER

MK CONSULTING ENGINEERS, LLC
1801 PORTER STREET, SUITE 401
BALTIMORE, MD 21230
ATTN: MARIANNE K. CRAMPTON, P.E.
PHONE: (667) 309-6193
EMAIL: MCRAMPTON@MKCENG.COM

OWNER/DEVELOPER

BALTIMORE COUNTY- PROPERTY MANAGEMENT
OFFICE OF BUDGET & FINANCE
12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: DAVID EARLING
EMAIL: DEARLING@BALTIMORECOUNTYMD.GOV
PHONE: 410-887-2946

CONTRACT COMPLETION BOX
CONTRACTOR:
DATE COMPLETED:
INSPECTOR:
PIPE MATERIAL (Pressure Only)

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
WATER	24208-UAO
	JOB ORDER NUMBER
	210-203-7711
	SHEET 1 OF 2
	DRAWING NUMBER
	2024-3872
	FILE NO.: 3

SEAL
STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER
DATE 12-11-24

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. 21058 , EXPIRATION DATE 11/17/2026

ENGINEER: MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
1801 Porter Street, Suite 401
SUITE 401
BALTIMORE, MD 21230
(667)309-6193

DGN BY: SG
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION

CONTRACT COMPLETION BOX

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		N/A		
		R.O.W NO.	ISW	7NE29

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
REVIEWED BY:		Vishnu Desai				EAM
DATE REVIEWED:		1/16/2025				1/16/25

SMG
Opinder Singh 2/10/25
CHIEF, UTILITIES ENGINEERING SECTION DATE

CITY OF BALTIMORE
Jeanette Koch 2/11/25
CHIEF, OFFICE OF ENGINEERING AND CONSTRUCTION DATE

Steve Sharkey 2/11/25
DIRECTOR, DEPT. OF PUBLIC WORKS DATE

REVISION – CITY OF BALTIMORE
CHIEF, UTILITIES ENGINEERING SECTION DATE

DRAWING SCALE
PLAN SCALE: 1"=10'
PROFILE SCALE: HORIZ. 1"=10' VERT. 1"=5'

DPW AND TRANSPORTATION
APPROVED BY: Lisa K. Kuhlwilm DIRECTOR
DATE: 1-23-2025

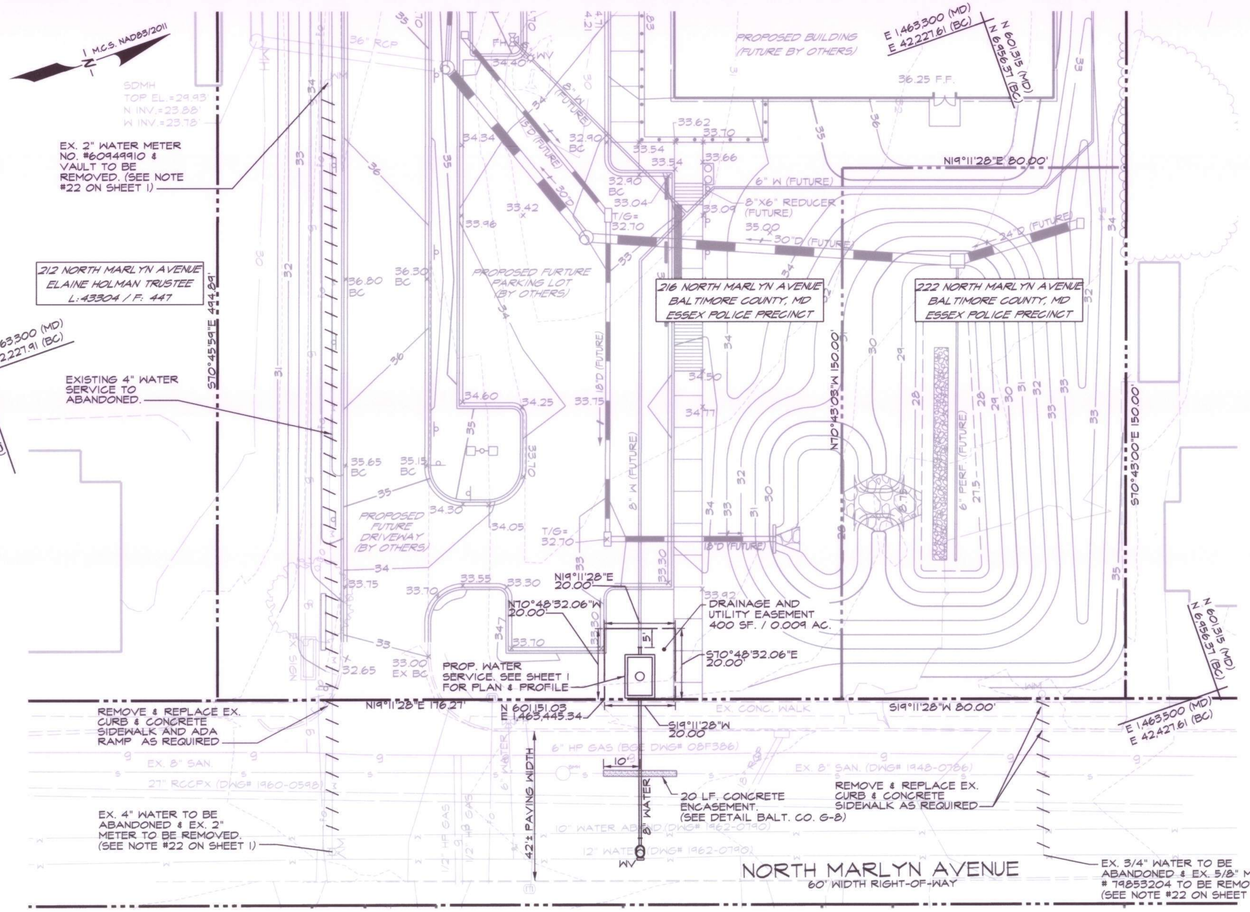
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION – BUREAU OF ENGINEERING AND CONSTRUCTION

8" FM METER PLAN AND PROFILE
NORTH MARLYN AVENUE
340' NORTH OF MYRTH AVENUE

SUBDIVISION: ESSEX POLICE PRECINCT – 216 & 222 NORTH MARLYN AVE. ELECTION DIST. NO.: 15c7

9KM 1-10-25

PLOTTED: 1/13/2025
FILE:M:\Projects\2022\22017-400 - Essex Police Precinct *1\Drawings\C10.00 - Public Water Plan & Profile.dgn



WATER METER ABANDONMENT PLAN - 2" & 5/8" METERS

SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20 40
HORZ. 1 inch = 20 ft.

LEGEND

- PROPERTY LINE
- 35 EX. INDEX CONTOUR
- 34 EX. INTERMEDIATE CONTOUR
- EX. CURB AND GUTTER
- G EX. GAS MAIN
- OHE EX. OVERHEAD ELECTRIC
- 8" SAN. EX. SANITARY SEWER
- 12" WATER EX. WATER
- EX. WATER METER
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. GAS VALVE
- PROP. 8" W — PROP. WATER LINE
- PROP. WATER VALVE
- PROP. 8" FM WATER METER. SEE BC STD. 847.01

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.
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4. CONTRACTOR TO TEST PIT AND VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
5. CONTRACTOR TO NOTIFY ENGINEER AND BALTIMORE COUNTY IF THE CLEARANCES WITH THE UTILITIES SHOWN CANNOT BE ACHIEVED.
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EMERGENCY MANAGEMENT NOTES

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EXISTING WATER SERVICE / METER ABANDONMENT SCHEDULE

NO.	OWNER	SERVICE ADDRESS	ACCOUNT NO.	METER NO.	SERVICE SIZE	METER SIZE
1	BALTIMORE COUNTY MARYLAND	216 N. MARLYN AVENUE	09096787008	60949910	4"	2"
2	BALTIMORE COUNTY MARYLAND	222 N. MARLYN AVENUE	06081936004	79853204	3/4"	5/8"

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 RECORDED IN THE LAND RECORDS OF BALTIMORE COUNTY IN PLAT BOOK _____, FOLIO ___, WHICH PLAT WAS PREPARED IN COMPLIANCE WITH BALTIMORE COUNTY, DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, REAL ESTATE COMPLIANCE, DRAFTING SECTION MANUAL DATED JANUARY, 1997.)"

REFERENCE DRAWINGS

WATER: 1962-0790, 2024-3872, 2024-3873
SANITARY: 1948-0786
STORM DRAIN: 1960-0548
GAS (BGE): 08F386

NOTE:
SEE SHEET 1 FOR PROPOSED WATER METER / SERVICE PLAN & PROFILE

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM NAV 83/NA2011 HORIZONTAL AND NAVD 1988 VERTICAL DATUM

CONTRACT COMPLETION BOX	
CONTRACTOR:	
DATE COMPLETED:	
INSPECTOR:	
PIPE MATERIAL (Pressure Only)	

DWG. FILENAME:

SHEET DESIGNATION	CONTRACT NUMBER
WATER	24208-UAO
	JOB ORDER NUMBER
	210-203-7711
	SHEET 2 OF 2
	DRAWING NUMBER
	2024-3873
	FILE NO.: 3

ENGINEER

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12200A LONG GREEN PIKE
GLEN ARM, MD 21057
ATTN: DAVID EARLING
EMAIL: DEARLING@BALTIMORECOUNTYMD.GOV
PHONE: 410-887-2946

SMG

CITY OF BALTIMORE		REVISION - CITY OF BALTIMORE
CHIEF, UTILITIES ENGINEERING SECTION — 3/17/25 DATE	CHIEF, OFFICE OF ENGINEERING AND CONSTRUCTION — 3/25/25 DATE	DIRECTOR, DEPT. OF PUBLIC WORKS — Steve Sharkey — 6/9/25 DATE
		CHIEF, UTILITIES ENGINEERING SECTION — DATE

SEAL — STATE OF MARYLAND — MARIANNE K. CRAMPTON — No. 25058 — PROFESSIONAL ENGINEER — DATE 12-11-24

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. 21058, EXPIRATION DATE 11/17/2026.

ENGINEER: MARIANNE K. CRAMPTON
MK CONSULTING ENGINEERS, LLC
1801 Porter Street, Suite 401
SUITE 401
BALTIMORE, MD 21230
(667)309-6193

DGN BY: SG
DWN BY: SG
CHKD BY: SM

AS-BUILT / REVISION

BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
		N/A		
		R.O.W NO.	ISW	7NE29

CONTRACT COMPLETION BOX

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
REVIEWED BY:		Vishnu K Desai				EAM
DATE REVIEWED:		1/16/2025				1/16/25

DRAWING SCALE: PLAN SCALE: 1"=20' ; PROFILE SCALE: N/A ; N/A

DPW AND TRANSPORTATION: APPROVED BY: Joan Kidwell for DIRECTOR — DATE: 1-23-2025

9KM 1-10-25

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION - BUREAU OF ENGINEERING AND CONSTRUCTION

2" & 5/8" DOMESTIC METER ABANDONMENT
NORTH MARLYN AVENUE
340' NORTH OF MYRTH AVENUE

SUBDIVISION: ESSEX POLICE PRECINCT - 216 & 222 NORTH MARLYN AVE. — ELECTION DIST. NO.: 15c7

PLOTTED: 12/3/2024
BY:
FILE:M:\Projects\2022\22017- 400 - Essex Police Precinct *11\Drawings\C10.01 - Public Meter Abandonment Plan.dgn