911 CENTER UPS REPLACEMENT

CIRCUIT COURTS BUILDING

401 BOSLEY AVENUE TOWSON, MARYLAND 21204

BALTIMORE COUNTY 911 MANAGEMENT
BALTIMORE COUNTY PROPERTY MANAGEMENT DIVISION

BID DOCUMENTS
April 10, 2025
CONTRACT NUMBER: 25030-PO0

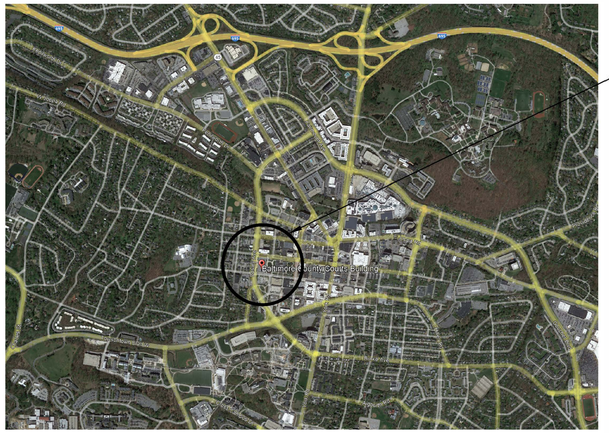
DESIGN TEAM

JOHNSON, MIRMIRAN and THOMPSON
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND 21030
PHONE: 410-372-4617

MORABITO CONSULTANTS
952 RIDGEBROOK ROAD
SUITE 1700
SPARKS GLENCOE, MARYLAND 21152
PHONE: 410-467-2377

BURDETTE, KOEHLER, MURPHY and ASSOCIATES
6300 BLAIR HILL LANE
BALTIMORE, MARYLAND 21209
PHONE: 410-323-0600

DRAWING INDEX



1 / 000 VICINITY MAP
SCALE: NONE

NORTH

SEAL

STATE OF MARYLAND — DAVID RECCHIA — REGISTERED ARCHITECT

DATE: 3/ 7/2025

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. 6067-A EXPIRATION DATE 7-8-26

ARCHITECT: David Recchia, AIA

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE: NONE
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: Adam Wienhold PROPERTY MANAGER
DATE: 5/7/25

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

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER- CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
COVER SHEET
401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

JMT ARCHITECTURE

DWG. BALT_CO_24X36.DWG

SHEET DESIGNATION	CONTRACT NUMBER
A000	25030-P00

BALTIMORE COUNTY MARYLAND

JOB ORDER NUMBER 906388

SHEET 1 OF 60

DRAWING NUMBER 2025-1360

FILE NO.: 8

ABBREVIATIONS

ACT.	ACOUSTICAL TILE
ADJ.	ADJUSTABLE
AIR COND.	AIR CONDITIONING
ALUM.	ALUMINUM
A.P.	ACCESS PANEL
APPVD.	APPROVED
ARCH.	ARCHITECTURAL
ARCHT.	ARCHITECT
@	AT
BD.	BOARD
BLKG.	BLOCKING
BLDG.	BUILDING
BETWN.	BETWEEN
CAB.	CABINET
CAP.	CAPACITY
CL.	CENTER LINE
CLG.	CEILING
CLR.	CLEAR, CLEARANCE
CMU.	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CONST.	CONSTRUCTION
CONTR.	CONTRACTOR
CONV.	CONVECTOR
CPT.	CARPET
C.T.	CERAMIC TILE
C.W.	COLD WATER
DBL.	DOUBLE
DEPT.	DEPARTMENT
DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
DR.	DOOR
D.T.	DRAPERY TRACK
DWG.	DRAWING
EA.	EACH
ELEV.	ELEVATION
ELEC.	ELECTRICAL
EN.	ENAMEL
EQ.	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
FAB.	FABRICATED
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FF.	FACTORY FINISH
FIN.	FINISH
F.I.O.	FURNISHED & INSTALLED BY OWNER
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FLR.(G)	FLOOR(ING)
FT.(G)	FOOT(ING)
GA.	GAUGE
G.C.	GENERAL CONTRACTOR
GENL.	GENERAL
GL.	GLASS
GWB.	GYPSUM WALL BOARD
H.C.	HOLLOW CORE
H.D.	HEAVY DUTY
HDR.	HEADER
HDWD.	HARDWOOD
H.M.	HOLLOW METAL
HORT.	HORIZONTAL
HT.	HEIGHT
HVAC.	HEATING/VENTILATING & AIR CONDITIONING
H.W.	HOT WATER
H.W.H.	HOT WATER HEATER
INT.	INTERIOR
JT.	JOINT
L.	LONG, LENGTH
LAM.	LAMINATE
LAV.	LAVATORY
LT.(G)	LIGHT(ING)
MATL.	MATERIAL
MAX.	MAXIMUM
MBL.	MARBLE
MDO.	MEDIUM DENSITY OVERLAY
MECH.	MECHANICAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLDG.	MOULDING
M.S.	METAL STUD
MTL.	METAL
MWK.	MILLWORK
NAT.	NATURAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OHD.	OVERHEAD
OPP.	OPPOSITE
OPNG.	OPENING
P. LAM.	PLASTIC LAMINATE
P. PL.	POLISHED PLATE
PART.	PARTITION
PL.	PLATE
PLY.	PLYWOOD
PNL.(G)	PANEL(ING)
PR.	PAIR
PT.	POINT
PTD.	PAINTED
Q.T.	QUARRY TILE
R.	RADIUS
R.B.	RUBBER BASE
REF.	REFERENCE
REQD.	REQUIRED
RES.	RESILIENT
REV.	REVISED, REVISION
RM.	ROOM
S.	STAIN
S.C.	SOLID CORE
SECT.	SECTION
S. EN.	SATIN ENAMEL
S.G.EN.	SEMI-GLOSS ENAMEL
SHT.	SHEET
SIM.	SIMILAR
SOL.	SOLID
SPEC.(S)	SPECIFICATION(S)
SQ.	SQUARE
S.STL.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUC.	STRUCTURAL
SUSP.	SUSPENDED
S.&V.	STAIN & VARNISH
SVC.	SERVICE
SW.	SWITCH
TEL.	TELEPHONE
TEMP.	TEMPORARY
T.&G.	TONGUE & GROOVE
T.H.B.	TEMPERED HARDBOARD
TYP.	TYPICAL
VAR.	VARIES
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.G.	VERTICAL GRAIN
W.	WIDE
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W/O	WITHOUT
WT.	WEIGHT

SYMBOLS

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE REMOVED

NEW CONSTRUCTION

EXISTING DOOR AND FRAME TO BE REMOVED

NEW DOOR AND FRAME

ROOM NUMBER — 101

DOOR NUMBER — 101A

EQUIPMENT NUMBER — 3

PARTITION TYPE — 2

ELEVATION — A / 101 — ELEVATION SHEET NUMBER

WALL SECTION — A / 101 — SECTION SHEET NUMBER

BUILDING SECTION — A / 101 — SECTION SHEET NUMBER

DETAIL — A / 101 — DETAIL SHEET NUMBER

COLUMN REFERENCE — 2 / B

MATERIALS

EARTH
ROCK
GRAVEL/ CRUSHED STONE
MORTAR/PLASTER
CONCRETE
PRECAST CONCRETE
BRICK
CONCRETE MASONRY UNIT
STEEL (SMALL SCALE)
STEEL (LARGER SCALE)
MARBLE
METAL (ELEVATION)
WOOD (FINISHED)
WOOD (CONTINUOUS BLOCKING)
WOOD (INTERMITTENT BLOCKING)
PLYWOOD
GLASS (LARGE SCALE)
GLASS (SMALL SCALE)
INSULATION (RIGID)
INSULATION (BLANKET)
TRANSLUCENT PANEL
EXISTING

SEAL

STATE OF MARYLAND — DAVID RECCHIA — ARCHITECT

DATE: 3/7/2025

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. 6067-A EXPIRATION DATE 7-8-26

ARCHITECT: David Recchia, MA | JMT ARCHITECTURE DAVID RECCHIA

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION DOCUMENTS

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	NW	38 NE 2

DRAWING SCALE: PLAN SCALE: NONE; PROFILE SCALE:

PROPERTY MANAGEMENT: APPROVED BY: PROPERTY MANAGER; DATE:

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

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HUNT VALLEY, MARYLAND, 21030
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMEN5
ABBREVIATIONS AND LEGEND
401 BOSLEY AVENUE, TOWSON, MARYLAND 21204

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

ARCHITECTURE

DWG. FILENAME: BALT-CO-24X36.DWG

SHEET DESIGNATION	CONTRACT NUMBER
A100	25030-P00
	JOB ORDER NUMBER
	PO-10004341-1
	SHEET 2 OF 60
	DRAWING NUMBER
	2025-1361
	FILE NO.: 8

1/101 GROUND FLOOR PLAN
SCALE: 3/32" = 1'-0"

NOTES – GROUND FLOOR CEILING

1–REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING AS REQUIRED TO INSTALL NEW CONDUIT. SCHEDULE WORK 2 WEEKS IN ADVANCE WITH OWNER– SEE ELECTRICAL DRAWINGS

2–THE EXISTING HOLDING CELLS HAVE A STEEL CEILING THAT CANNOT BE REMOVED. EXTEND CONDUIT ABOVE THE CEILING BY WORKING FROM EACH SIDE. SCHEDULE WORK 2 WEEKS IN ADVANCE WITH THE OWNER

3–THE EXISTING GARAGE WILL BE OCCUPIED DURING CONSTRUCTION. PERFORM WORK IN OFF HOURS AS REQUIRED. SCHEDULE WORK 2 WEEKS IN ADVANCE WITH THE OWNER

4–PROVIDE A 24" x 36" OPENING IN EXISTING MASONRY WALLS ABOVE THE EXISTING CEILING. PROVIDE A LINTEL AS SHOWN ON THE STRUCTURAL DRAWINGS. FILL GAPS WITH INTUMESCENT SEALANT– SEE 7/A601

5–PROVIDE A 24' x 36 OPENING IN EXISTING GWB WALLS ABOVE THE EXISTING CEILING. PROVIDE STUD INFILL AS REQUIRED TO "BOX OUT" OPENING. FILL GAPS WITH INTUMESCENT SEALANT – SEE 6/A601

6–CORE, SLEEVE, AND SEAL EXISTING AREAWAY WALL AS REQUIRED FOR NEW PIPING AND CONDUIT FOR CU–1 – SEE MEP DRAWINGS

7–PROVIDE A 24" x 36" FLOOR OPENING FOR CONDUITS. PROVIDE INTUMESCENT SEALANT TO FILL VOIDS. SEE STRUCTURAL DRAWINGS FOR REINFORCEMENT AND MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT SEE 5–A601

8–PROVIDE A 24" x 36" CEILING OPENING AT BOTTOM OF SHAFT FOR CONDUITS. PROVIDE INTUMESCENT SEALANT TO FILL VOIDS. PROVIDE METAL STUD FRAMING AS REQUIRED. SEE MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT

9–SEE A102 FIRST FLOOR PLAN FOR FLOOR OPENING INTO SHAFT ABOVE

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

SEAL: STATE OF MARYLAND – DAVID RECCHIA – 6067 – ARCHITECT
DATE: 3/7/2025

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. 6067–A, EXPIRATION DATE 7–8–26.
ARCHITECT: David Recchia, AIA
DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR
AS–BUILT PER RECORD PRINT
BY:
DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	
				NNW	38 NE 2	PLAN SCALE:	1/8"=1'–0"
			R.O.W NO.			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: Approver
PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER– CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

GROUND FLOOR PLAN

401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECTION DIST. NO.: 9c6

SHEET DESIGNATION: A101
CONTRACT NUMBER: 25030–P00
JOB ORDER NUMBER: 906338

DRAWING NUMBER: 2025–1362
FILE NO.: 8
REV 03/22

FIRST FLOOR PLAN
1/102 SCALE: 3/32" = 1'-0"
NORTH

NOTES – FIRST FLOOR

1–REMOVE AND REINSTALL EXISTING ACCESS FLOORING AND CARPET TILES AS REQUIRED TO REMOVE EXISTING CIRCUITRY AND INSTALL NEW CIRCUITRY TO WORKSTATIONS– SEE ELECTRICAL DRAWINGS.
- THE 911 CENTER WILL NOT BE AVAILABLE FOR THE CONTRACTOR'S FULL USE. THE WORK WILL NEED TO BE DONE IN PHASES.
- THE CONTRACTOR SHALL PROVIDE A WORK PLAN FOR THE OWNER'S REVIEW AND APPROVAL.

2– NEW CHASE WALL FOR NEW ELECTRIC PANELS
- PROVIDE $3\frac{5}{8}$", 25 GA. STUDS AT 16" O.C. MAX. WITH $\frac{5}{8}$" GWB UP TO THE CEILING
- ALIGN FACE OF NEW WALLS WITH EXISTING WALLS AS REQUIRED.
- OPEN, MODIFY, AND REINSTALL ACCESS FLOOR PANELS AND CEILING AS REQUIRED

3–REMOVE AND REINSTALL NEW 2 HR. RATED GWB SHAFT WALLS AS REQUIRED. SEE MEP DRAWINGS FOR DUCTWORK

4–REMOVE AND REINSTALL NEW 2 HR. RATED CMU SHAFT WALLS AS REQUIRED. SEE MEP DRAWINGS FOR DUCTWORK

5–PROVIDE A 24" x 36" FLOOR OPENING FOR CONDUITS. PROVIDE INTUMESCENT SEALANT TO FILL VOIDS. SEE STRUCTURAL DRAWINGS FOR REINFORCEMENT AND MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT– SEE 5–A601

SEAL
STATE OF MARYLAND DAVID RECCHIA 6067 ARCHITECT
DATE : 3/ 7/2025

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. 6067–A , EXPIRATION DATE 7–8–26
ARCHITECT: David Recchia, AIA
DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR
AS–BUILT PER RECORD PRINT
BY:
DATE:

AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE
				NNW	38 NE 2	PLAN SCALE: 1/8"=1'-0"
			R.O.W NO.			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: Approver
PROPERTY MANAGER
DATE:

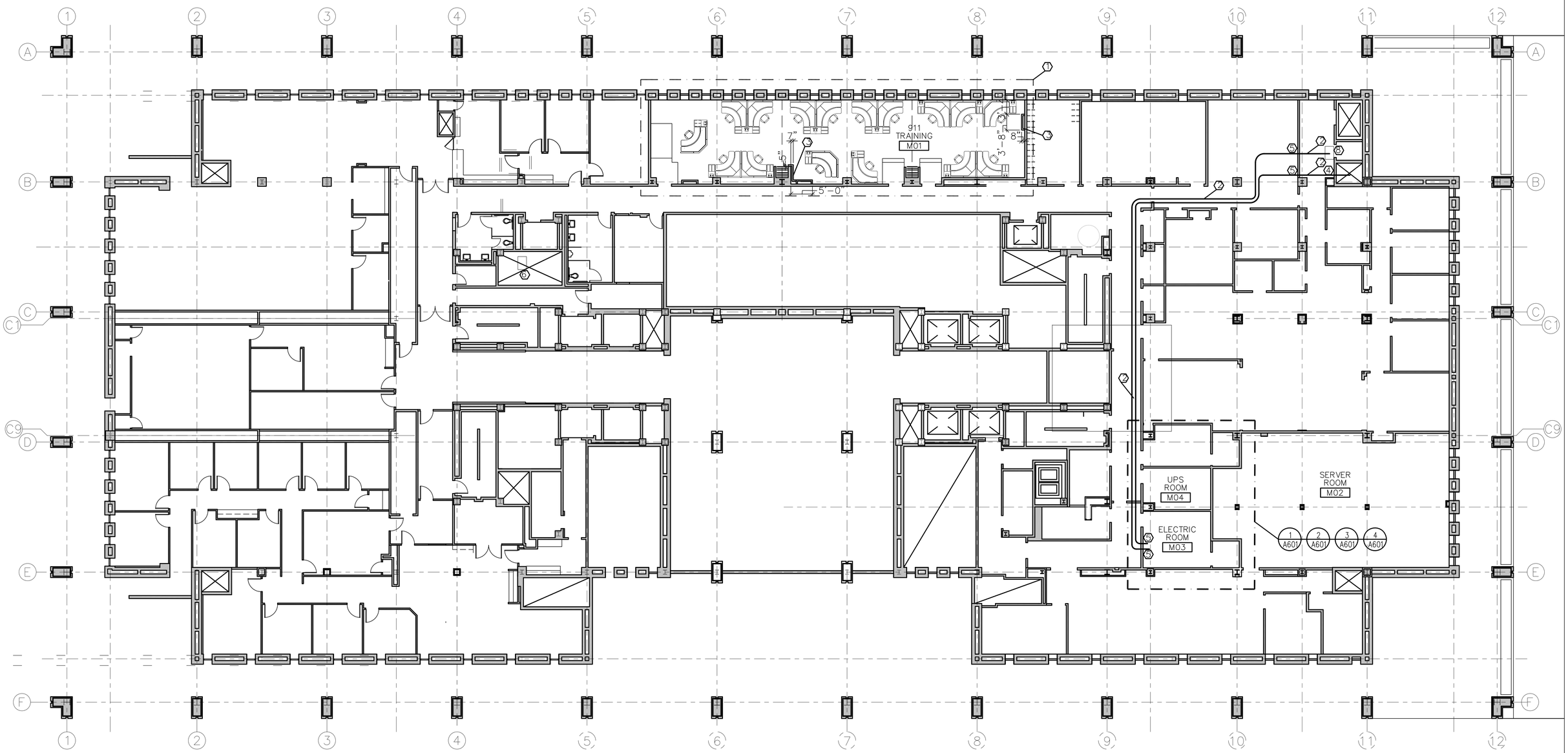
JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

JMT ARCHITECTURE

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER– CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
FIRST FLOOR PLAN
401 BOSLEY AVENUE, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON
ELECTION DIST. NO.: 9c6

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION: A102
CONTRACT NUMBER: 25030–P00
JOB ORDER NUMBER: 906338
SHEET 4 OF 60
DRAWING NUMBER: 2025–1363
FILE NO.: 8
REV 03/22
DWG. FILENAME: BALT-CO-24X36.DWG



1 / 103 MEZZANINE FLOOR PLAN

SCALE: 3/32" = 1'-0"

NORTH

NOTES – MEZZANINE

1–REMOVE AND REINSTALL EXISTING ACCESS FLOORING AND CARPET TILES AS REQUIRED TO REMOVE EXISTING CIRCUITRY AND INSTALL NEW CIRCUITRY TO WORKSTATIONS– SEE ELECTRICAL DRAWINGS.
- THE 911 TRAINING CENTER WILL NOT BE AVAILABLE FOR THE CONTRACTOR'S FULL USE. THE WORK WILL NEED TO BE DONE IN PHASES.
- THE CONTRACTOR SHALL PROVIDE A WORK PLAN FOR THE OWNER'S REVIEW AND APPROVAL.

2–REMOVE AND REINSTALL EXISTING CEILING AND GRID AS REQUIRED TO INSTALL NEW CONDUIT IN THE CEILING.

3–NEW CHASE WALL FOR NEW ELECTRIC PANELS
- PROVIDE 3⅝", 25 GA. STUDS AT 16" O.C. MAX. WITH ⅝" GWB UP TO THE CEILING
- ALIGN FACE OF NEW WALLS WITH EXISTING WALLS AS REQUIRED.
- OPEN, MODIFY, AND REINSTALL ACCESS FLOOR PANELS AND CEILING PANELS

4–PROVIDE A 24" x 36" OPENING IN EXISTING MASONRY WALLS ABOVE THE EXISTING CEILING. PROVIDE A LINTEL AS SHOWN ON THE STRUCTURAL DRAWINGS. FILL GAPS WITH INTUMESCENT SEALANT – SEE 7–A601

5–PROVIDE A 24' x 36 OPENING IN EXISTING GWB WALLS ABOVE THE EXISTING CEILING. PROVIDE STUD INFILL AS REQUIRED TO "BOX OUT" OPENING. FILL GAPS WITH INTUMESCENT SEALANT – SEE 6–A601

6–PROVIDE A 24" x 36" FLOOR OPENING FOR CONDUITS. PROVIDE INTUMESCENT SEALANT TO FILL VOIDS. SEE STRUCTURAL DRAWINGS FOR REINFORCEMENT AND MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT –SEE 5–A601

7–PROVIDE A 24" x 36" CEILING OPENING AT BOTTOM OF SHAFT FOR CONDUITS. PROVIDE ADD'L METAL STUD FRAMING AND INTUMESCENT SEALANT TO FILL VOIDS. SEE MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT

8–SEE A104 SECOND FLOOR PLAN FOR FLOOR OPENING FROM SHAFT ABOVE

SEAL

STATE OF MARYLAND – DAVID RECCHIA – REGISTERED ARCHITECT

DATE: 3/7/2025

PROFESSIONAL CERTIFICATION

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ARCHITECT: David Recchia, AIA

AS–BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR

AS–BUILT / REVISION | BY | DATE

CONTRACT COMPLETION DOCUMENTS

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: NNW

POSITION SHT: 38 NE 2

DRAWING SCALE

PLAN SCALE: 1/8"=1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: Approver
PROPERTY MANAGER

DATE:

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372–4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

DWG. NAME: BALT–CO–24X36.DWG

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER– CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

MEZZANINE FLOOR PLAN

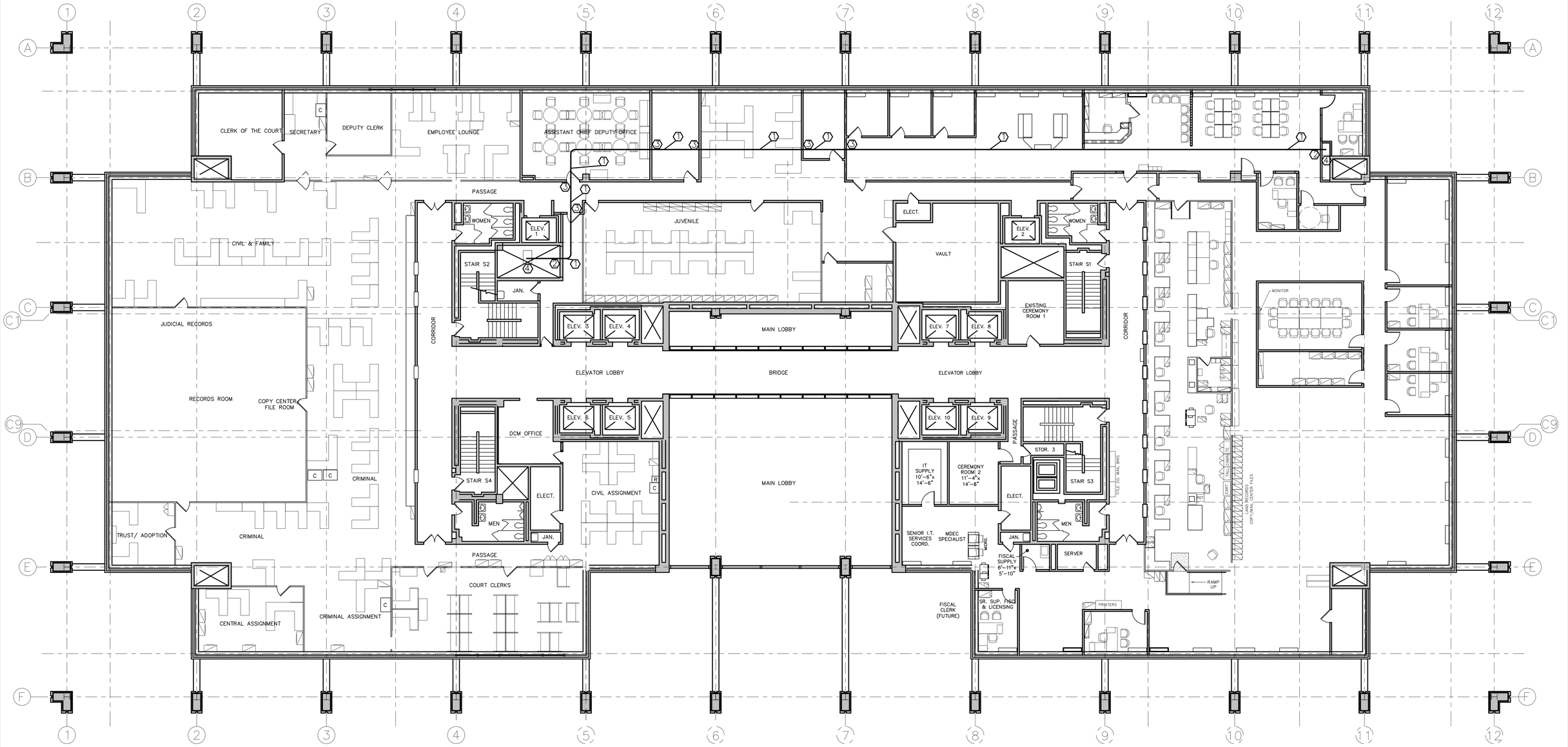
401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

SHEET DESIGNATION	CONTRACT NUMBER
A103	25030–P00

JOB ORDER NUMBER
906338
SHEET 5 OF 60
DRAWING NUMBER
2025–1364
FILE NO.: 8



1 / 103 SECOND FLOOR PLAN

SCALE: 3/32" = 1'-0"

NORTH

NOTES – SECOND FLOOR

1–REMOVE AND REINSTALL EXISTING CEILING AND GRID AS REQUIRED TO INSTALL NEW CONDUIT IN THE CEILING. PROTECT EXISTING CONSTRUCTION AND FURNISHINGS AS REQ'D.

2–PROVIDE A 24" x 36" OPENING IN EXISTING MASONRY WALLS ABOVE THE EXISTING CEILING. PROVIDE A LINTEL AS SHOWN ON THE STRUCTURAL DRAWINGS. FILL GAPS WITH INTUMESCENT SEALANT – SEE 7–A601

3–PROVIDE A 24' x 36 OPENING IN EXISTING GWB WALLS ABOVE THE EXISTING CEILING. PROVIDE STUD INFILL AS REQUIRED TO "BOX OUT" OPENING. FILL GAPS WITH INTUMESCENT SEALANT – SEE 6–A601

4–PROVIDE A 24" x 36" FLOOR OPENING FOR CONDUITS. PROVIDE INTUMESCENT SEALANT TO FILL VOIDS. SEE STRUCTURAL DRAWINGS FOR REINFORCEMENT AND MEP DRAWINGS FOR CONDUIT SIZES AND ARRANGEMENT – SEE 5–A601

SEAL

DATE: 3/ 7/2025

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ARCHITECT: David Recchia, AIA

AS–BUILT PER RECORD PRINT

BY: DATE:

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

KEY SHEET	POSITION SHT
NNW	38 NE 2

DRAWING SCALE

PLAN SCALE: 1/8"=1'-0"

PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: Approver PROPERTY MANAGER

DATE:

DGN BY:	DPR
DWN BY:	DPR
CHKD BY	DPR

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

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
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HUNT VALLEY, MARYLAND, 21030
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER– CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

SECOND FLOOR PLAN

401 BOSLEY AVENUE, TOWSON MARYLAND 21204

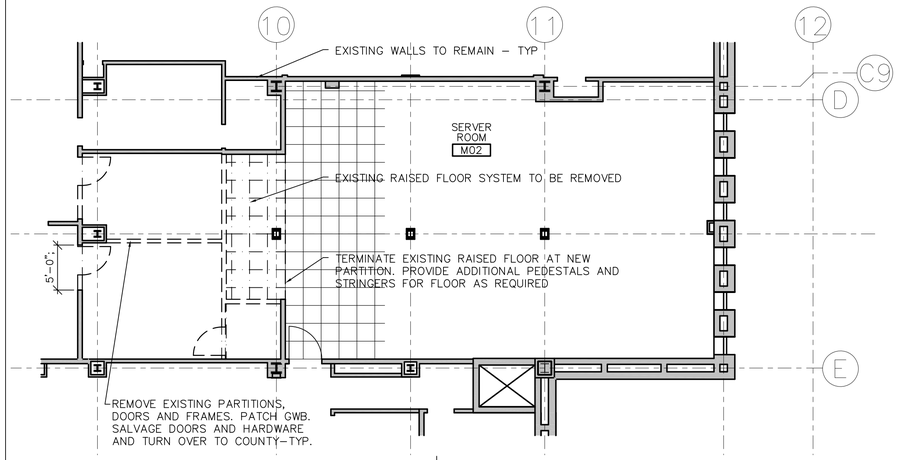
SUBDIVISION: TOWSON

ELECTION DIST. NO.: 9c6

JMT ARCHITECTURE

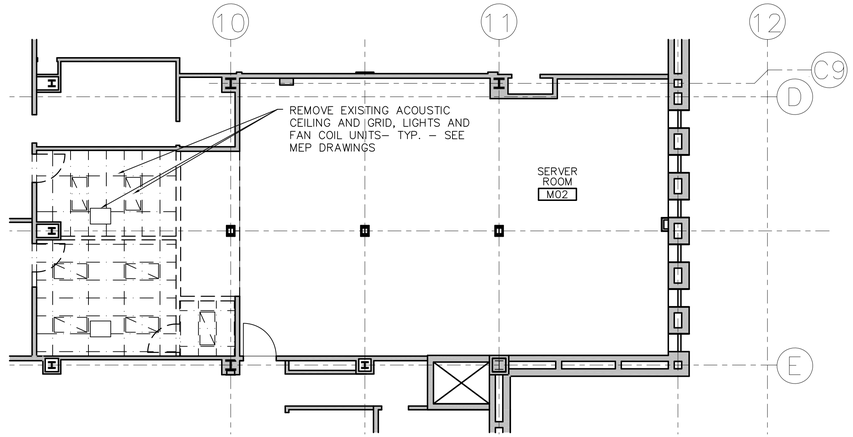
DWG: BALT–CO–24X36.DWG

SHEET DESIGNATION	CONTRACT NUMBER
A104	25030–P00
	JOB ORDER NUMBER
	906338
	SHEET 6 OF 60
	DRAWING NUMBER
	2025–1365
	FILE NO.: 8



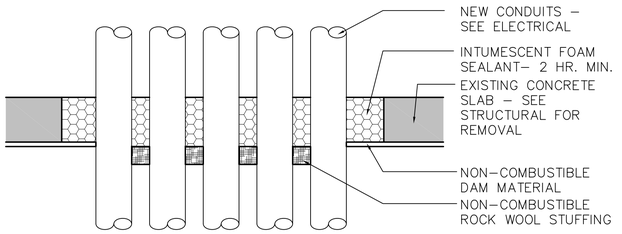
1 601 PLAN ENLARGEMENT – DEMOLITION
SCALE: 1/8" = 1'-0"

NORTH

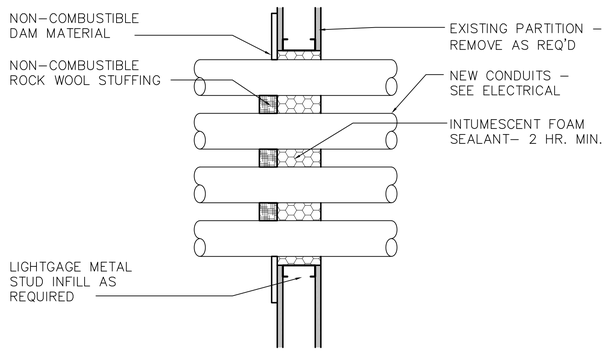


4 601 REFLECTED CEILING PLAN ENLARGEMENT – DEMOLITION
SCALE: 1/8" = 1'-0"

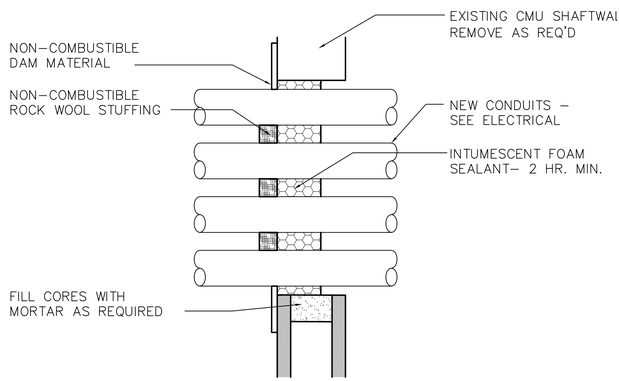
NORTH



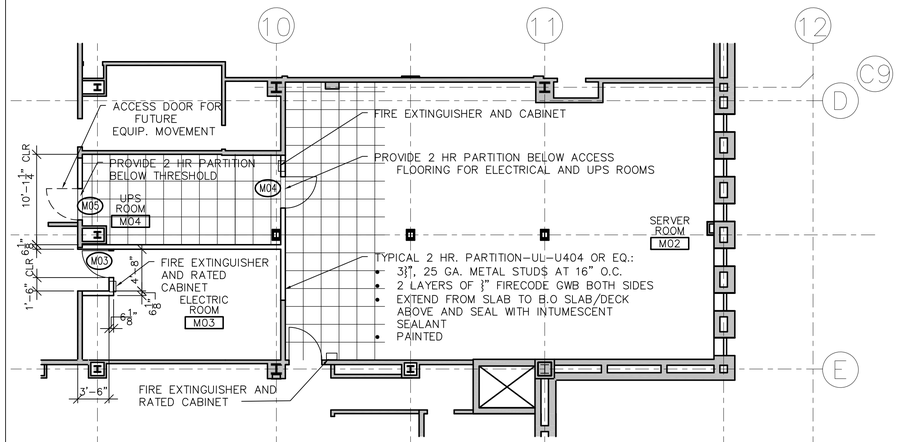
5 601 FLOOR PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



6 601 GWB PARTITION PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



7 601 GWB PARTITION PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"

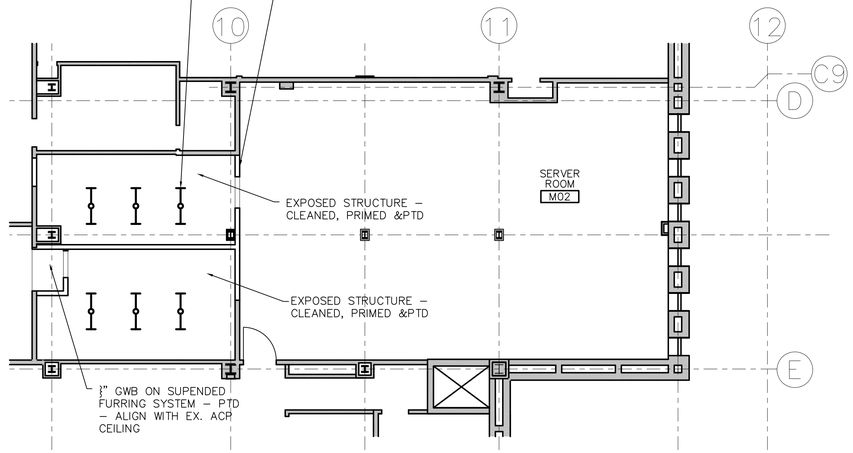


2 601 PLAN ENLARGEMENT – CONSTRUCTION
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES – CONSTRUCTION PLAN

1. PATCH AND PAINT ALL EXISTING WALLS WHERE PARTITIONS, CEILINGS, AND EQUIPMENT HAVE BEEN REMOVED. COORDINATE WITH MEP DRAWINGS.



3 601 PLAN ENLARGEMENT – REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

NORTH

NOTES – REFLECTED CEILING PLAN PLAN

1. REMOVE AND REINSTALL EXISTING CEILING PANELS AS REQUIRED TO EXTEND AND CONNECT UTILITIES. SEE MEP DRAWINGS FOR EXTENT.

SEAL

STATE OF MARYLAND DAVID RECCHIA No. 26067 REGISTERED ARCHITECT

DATE: 3/7/2025

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. 6067–A EXPIRATION DATE 7–8–26

ARCHITECT: David Recchia, AIA

AS–BUILT PER RECORD PRINT

BY: DATE:

DGN BY: DPR
DWN BY: DPR
CHKD BY: DPR

AS–BUILT / REVISION	BY	DATE	P.W.A. NO.
CONTRACT COMPLETION BDN			R.O.W. NO.

KEY SHEET: NNW
POSITION SHT: 38 NE 2

DRAWING SCALE
PLAN SCALE: AS NOTED
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: Approver PROPERTY MANAGER
DATE:

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

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372–4617 WWW.JMTARCHITECTURE.COM

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER– CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PLAN ENLARGEMENTS
401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECTION DIST. NO.: 9c6

SHEET DESIGNATION	CONTRACT NUMBER
A601	25030–P00
	JOB ORDER NUMBER
	906338
	SHEET 7 OF 60
	DRAWING NUMBER
	2025–1366
	FILE NO.: 8

DWG: BALT–00–24X36.DWG

DOOR & FRAME SCHEDULE

DOOR NUM.	FUNCTION	DOOR TYPE	DOOR SIZE	CONSTRUCTION	LOUVER SIZE	UNDER CUT	DOOR FINISH	FRAME TYPE	FRAME FINISH	U.L. DES.	THROAT	HDWR.		
M103	STOREROOM	A	3070 x 1["	HM			PAINTED	1	PAINTED	90 MIN.	7[	1		
M104	STOREROOM	A	3670 x 1["	HM			PAINTED	2	PAINTED	90 MIN.	7[	2		
M105	STOREROOM	A	3670 x 1["	HM			PAINTED	2	PAINTED	90 MIN.	7[	3		
101	SHAFTWALL – 1ST FL	A	3670 x 1["	HM			PAINTED	3	PAINTED	2 HR.	7[	4		

DOOR, FRAME, AND HARDWARE NOTES

1–DOORS AND FRAMES SHALL BE RATED FOR 90 MINUTES

2–DOORS SHALL BE 16 GA. HOLLOW METAL.

3–FRAMES SHALL BE 16 GA. FULLY WELDED HOLLOW METAL WITH 2" FACES AND 7 $\frac{1}{4}$" THROATS TO ACCEPT 7 $\frac{3}{8}$" GWB PARTITIONS. FRAMES SHALL INCLUDE SILENCERS AS REQUIRED

4–DOORS AND FRAMES SHALL BE PAINTED WITH 1 COAT OF DTM ACRYLIC PRIMER AND 2 COATS OF ACRYLIC SEMIGLOSS FINISH

5–ALL HARDWARE SETS SHALL BE FURNISHED WITH ALL COMPONENTS TO PROVIDE A FULLY FUNCTIONING DOOR OPENING

6–KEYING SHALL MATCH EXISTING SYSTEM

HW–1 DOOR M103 ELECTRIC ROOM – LOCKABLE – SINGLE

HINGES	STANLEY	1\ PAIR	4\x4\ FBB 179, NRP, US 26D
LOCKSET	MARKS USA	1	751–F86–IC , US 26D
ELECTRIC STRIKE	HES	1	5200 SERIES – PROVIDE CONCEALED POWER WIRING
CARD READER			INSTALL BALTIMORE COUNTY STANDARD CARD ACCESS DEVICE. (CONFIRM WITH BALTIMORE COUNTY PROJECT MANAGER).
WALL STOP	IVES	1	402CCV, US 26D
CLOSER	CORBIN RUSSWIN	1	DC6210, PUSH SIDE MOUNT, ADA COMPLIANT, AL
THRESHOLD	NGP	1	411
DROP SEAL	NGP	1	220S

HW–2 DOOR M104 UPS ROOM – LOCKABLE – SINGLE

HINGES	STANLEY	1\ PAIR	4\x4\ FBB 179, US 26D
LOCKSET	MARKS USA	1	751–F86–IC , US 26D
ELECTRIC STRIKE	HES	1	5200 SERIES – PROVIDE CONCEALED POWER WIRING
CARD READER			INSTALL BALTIMORE COUNTY STANDARD CARD ACCESS DEVICE. (CONFIRM WITH BALTIMORE COUNTY PROJECT MANAGER).
WALL STOP	IVES	1	402CCV, US 26D
CLOSER	CORBIN RUSSWIN	1	DC6210, PUSH SIDE MOUNT, ADA COMPLIANT, AL
THRESHOLD	NGP	1	411
DROP SEAL	NGP	1	220S

HW–3 DOOR M105 UPS ROOM – LOCKABLE – SINGLE

HINGES	STANLEY	1\ PAIR	4\x4\ FBB 179, US 26D
DEADBOLT	MARKS USA	1	M, RM, E0111 , US 26D
WALL STOP	IVES	1	402CCV, US 26D
THRESHOLD	NGP	1	411
DROP SEAL	NGP	1	220S

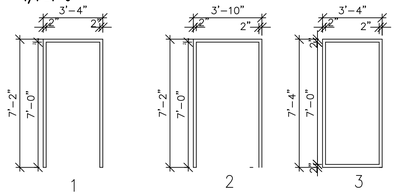
HW–4 DOOR 101 SHAFTWALL – LOCKABLE – SINGLE

HINGES	STANLEY	1\ PAIR	4\x4\ FBB 179, US 26D
DEADBOLT	MARKS USA	1	M, RM, E0111 , US 26D
WALL STOP	IVES	1	402CCV, US 26D

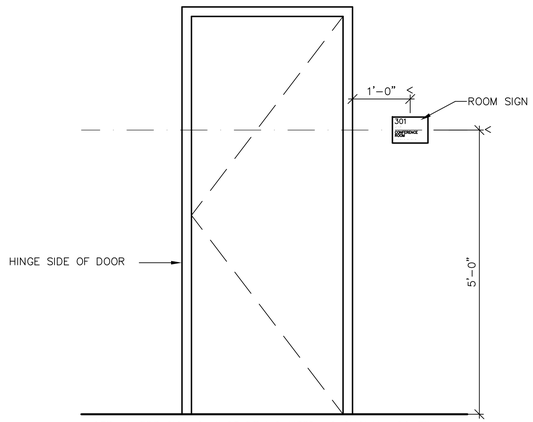
DOOR TYPES
1/4"=1'-0"

A

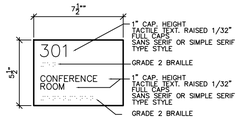
HOLLOW METAL FRAME TYPES
1/4"=1'-0"



SIGNAGE



NOTE: WHERE SIGN CANNOT BE MOUNTED AS SHOWN, LOCATE SIGN ON WALL ADJACENT TO LATCH SIDE OF DOOR



PROVIDE 1 SIGN FOR EACH NEW ROOM. COORDINATE ROOM NUMBERS AND ROOM NAME WITH THE COUNTY.

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL NORTH	WALL SOUTH	WALL EAST	WALL WEST		CEILING	REMARKS
M02	SERVER ROOM	1	1	1	2	1	1		1	
M03	ELECTRIC ROOM	2	2	3	3	3	3		2	
M04	UPS ROOM	3	2	3	3	3	3		2	

FINISH KEY AND NOTES

FLOOR FINISHES

1. EXISTING RAISED ACCESS FLOORING – MODIFY AS REQUIRED. NEW MATERIAL TO MATCH EXISTING.
2. STATIC CONTROL FLOORING–SINGLE COLOR PER ROOM– EXCELON SDT BY ARMSTRONG OR EQUAL.
3. RAISED ACCESS FLOORING TO MATCH EXISTING

BASE FINISHES

1. EXISTING VINYL BASE – MODIFY AS REQUIRED. NEW MATERIAL TO MATCH EXISTING
2. 4" VINYL TO MATCH SERVER ROOM

WALL

1. EXISTING PAINTED GWB TO REMAIN
2. PAINTED EXISTING AND NEW GWB TO MATCH EXISTING
3. PAINTED G.W.B.

NOTES: PAINTED WALLS SHALL RECEIVE 1 COLOR PER ROOM U.N.O.

CEILING

1. EXISTING ACOUSTIC CEILING PANELS (ACP) W/ SUSPENDED GRID – MODIFY AS REQUIRED. NEW MATERIAL TO MATCH EXISTING
2. EXPOSED STRUCTURE – PAINTED

TYPICAL NOTES

1. PROVIDE SCHLUTER TRANSITION FROM WALL TO FLOOR TILE.
2. ALL EXPOSED, NON–FACTORY FINISHED STRUCTURAL, MECHANICAL, OR ELECTRICAL COMPONENTS SHALL BE FIELD PAINTED.
3. PROVIDE FOR SEALANT/CAULK AT INTERSECTIONS OF DISSIMILAR MATERIALS AS PER SEALANT GUIDELINES IN SPECIFICATIONS, AS SHOWN ON DRAWINGS, AND AS REQUIRED AND RECOMMENDED BY MANUFACTURERS.
4. PROVIDE ARMSTRONG INTEGRATED STAIR TREADS/RISERS WITH RAISED ROUND TREAD TEXTURE, OR EQ.

SEAL

STATE OF MARYLAND DAVID RECCHIA REGISTERED ARCHITECT

DATE: 3/7/2025

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. 6067–A , EXPIRATION DATE 7–8–26 .

ARCHITECT David Recchia, MA

AS–BUILT PER RECORD PRINT

BY:

DATE:

DGN BY: DPR

DWN BY: DPR

CHKD BY: DPR

AS–BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BDN.

BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES

REVIEWED BY:

DATE REVIEWED:

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W. NO.	NNW	38 NE 2

STORM DRAINS	SEWER	WATER	FIELD ENGINEER

DRAWING SCALE	
PLAN SCALE:	NONE
PROFILE SCALE:	

PROPERTY MANAGEMENT

APPROVED BY: Approver PROPERTY MANAGER

DATE:

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND 21030
TEL (410) 372–4617 WWW.JMTARCHITECTURE.COM

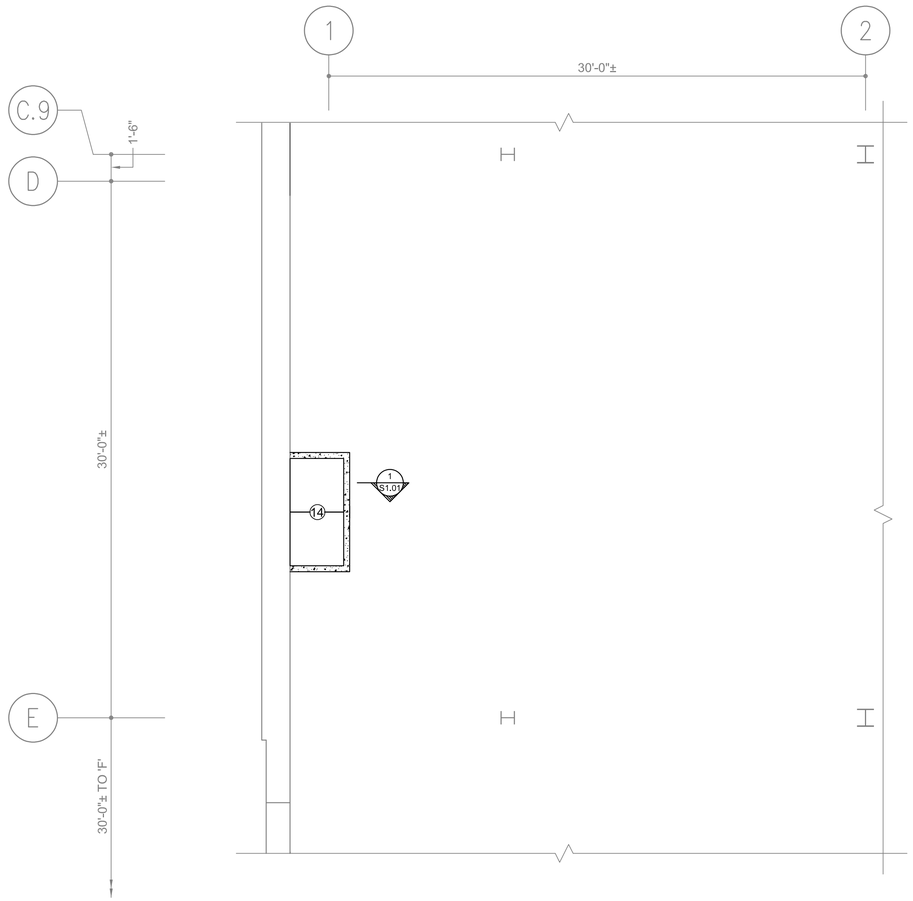
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER– CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
SCHEDULES
401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECTION DIST. NO.: 9c6

ARCHITECTURE

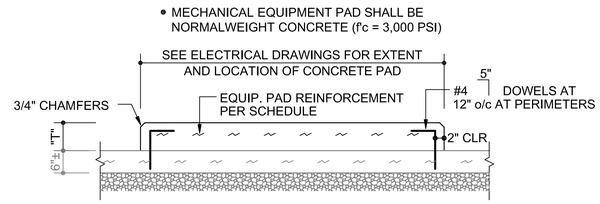
DWG. FILENAME: BALT–CO–24X36.DWG

SHEET DESIGNATION	CONTRACT NUMBER
A901	25030–P00
	JOB ORDER NUMBER
	906338
	SHEET 8 OF 60
	DRAWING NUMBER
	2025–1367
	FILE NO.: 8



PART GROUND FLOOR PLAN SCALE: 1/4" = 1'-0"

1. ELEVATION TOP OF EXISTING CONCRETE SLAB ON GRADE = EL. 450.50.
2. EXISTING SLAB IS 6"± THICK CONCRETE SLAB ON GRADE.
3. EXISTING INFORMATION IS SHOWN AS HALFTONE AND IS BASED ON EXISTING STRUCTURAL DRAWINGS DATED OCTOBER 1969 BY FAISANT ASSOCIATES, INC. AND IS NOT BASED ON A FIELD SURVEY OR AS-BUILT CONDITION. CONTRACTOR SHALL NOTIFY DESIGN TEAM OF ANY DISCREPANCIES NOTED IN THE FIELD.
4. WALL TYPES ARE INDICATED ON PLAN THUS:
   EXISTING WALLS
5. LOCATION AND WEIGHT OF NEW MECHANICAL/ELECTRICAL EQUIPMENT SHALL BE VERIFIED AND CONFIRMED WITH THE ELECTICAL ENGINEER.
6. EQUIPMENT LAYOUT IS BASED ON TEST FIT 3 AS PREPARED BY BKM.
7. MEP EQUIPMENT INDICATED ON PLAN THUS: (00) SHALL BE PER PROPOSED EQUIPMENT SCHEDULE ON S1.02. THE FINAL EQUIPMENT SELECTION SHALL NOT EXCEED THE WEIGHTS INDICATED PER THIS SCHEDULE. CONTACT EOR FOR ADDITIONAL REVIEW PRIOR TO CONSTRUCTION IF WEIGHTS ARE EXCEEDED.



• PADS LESS THAN 8" THICK MAY BE REINFORCED WITH 4.0 LBS PER CU.YD MACROFIBER REINFORCEMENT AT OPTION OF CONTRACTOR IN LIEU OF SCHEDULED REINFORCEMENT

"T"	REINFORCEMENT
4"	6x6 W2.9xW2.9 WWF

• DOWELS MAY BE POST-INSTALLED WITH 4" EMBEDMENT IN APPROVED EPOXY

• CONTRACTOR TO COORDINATE PAD THICKNESS WITH MEP PLANS AND MANUFACTURER REQUIREMENTS

1 TYPICAL INTERIOR EQUIPMENT HOUSEKEEPING PAD

SCALE: 3/4" = 1'-0"

morabito consultants
Structural Engineers I Parking Consultants
952 Ridgebrook Rd I Suite 1700
Sparks, MD 21152-9472
410.467.2377 I www.morabitoconsultants.com
MC JOB #21021

DWG FILENAME: BALT-CO-24X36.DWG

JMT ARCHITECTURE

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

SEAL

STATE OF MARYLAND · EVAN W. CAMPBELL · 54344 · PROFESSIONAL ENGINEER

DATE : 05/08/2025

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. 54344 EXPIRATION DATE 5/14/2025

ENGINEER: EVAN CAMPBELL

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY: JGC
CHKD BY:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BDN

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.	NNW	38 NE 2

DRAWING SCALE: PLAN SCALE: ____ PROFILE SCALE: ____

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER– CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

PART GROUND FLOOR PLAN & TYPICAL DETAILS

401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECTION DIST. NO.: 9c6

BALTIMORE COUNTY MARYLAND

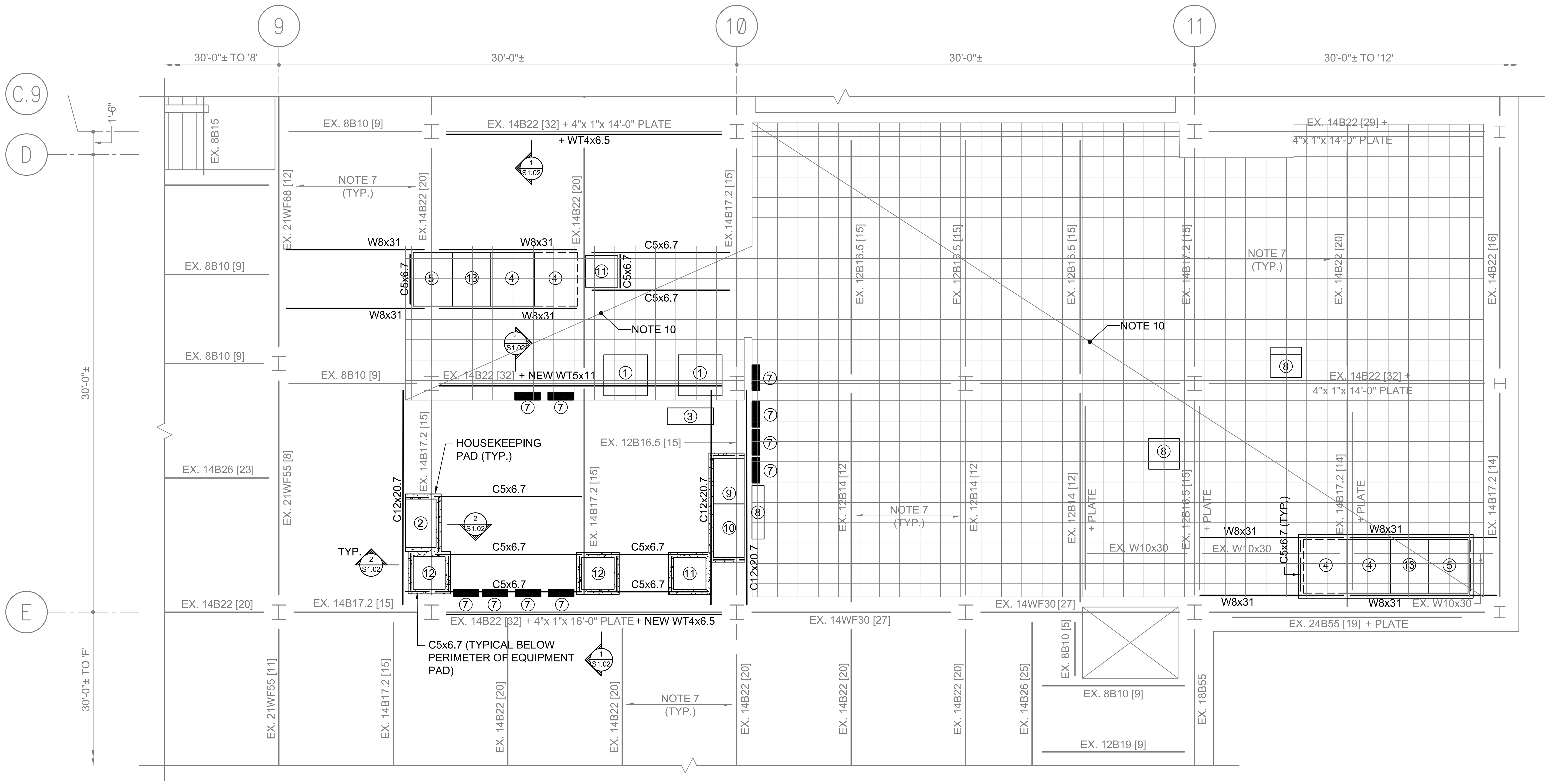
SHEET DESIGNATION	CONTRACT NUMBER
S101	25030-P00

JOB ORDER NUMBER 906388

SHEET 9 OF 60

DRAWING NUMBER 2025-1368

FILE NO.: 8



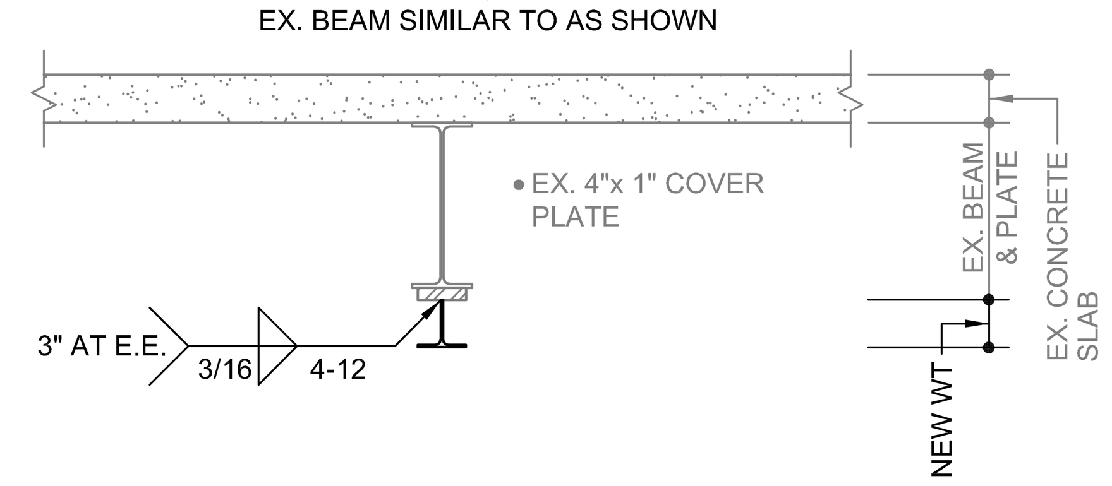
PART MEZZANINE FRAMING PLAN - UPS REPLACEMENT

SCALE: 1/4" = 1'-0"

PROPOSED EQUIPMENT		
MARK	EQUIPMENT NAME	WEIGHT
1	AC	600 LBS EACH
2	ATS B	1,300 LBS
3	ATS 3	100 LBS
4	BATTERY	3,100 LBS EACH
5	BY-PASS CABINET	1,400 LBS
6	DISTRIBUTION CART	300 LBS
7	PANEL (A)	150 LBS EACH
8	PANEL (B)	300 LBS
9	PANEL (C)	1,000 LBS
10	PANEL (D)	1,300 LBS
11	30 kVA TRANSFORMER	400 LBS EACH
12	45 kVA TRANSFORMER	400 LBS EACH
13	100 KW UPS	1,200 LBS
14	PANEL GDP	2,300 LBS

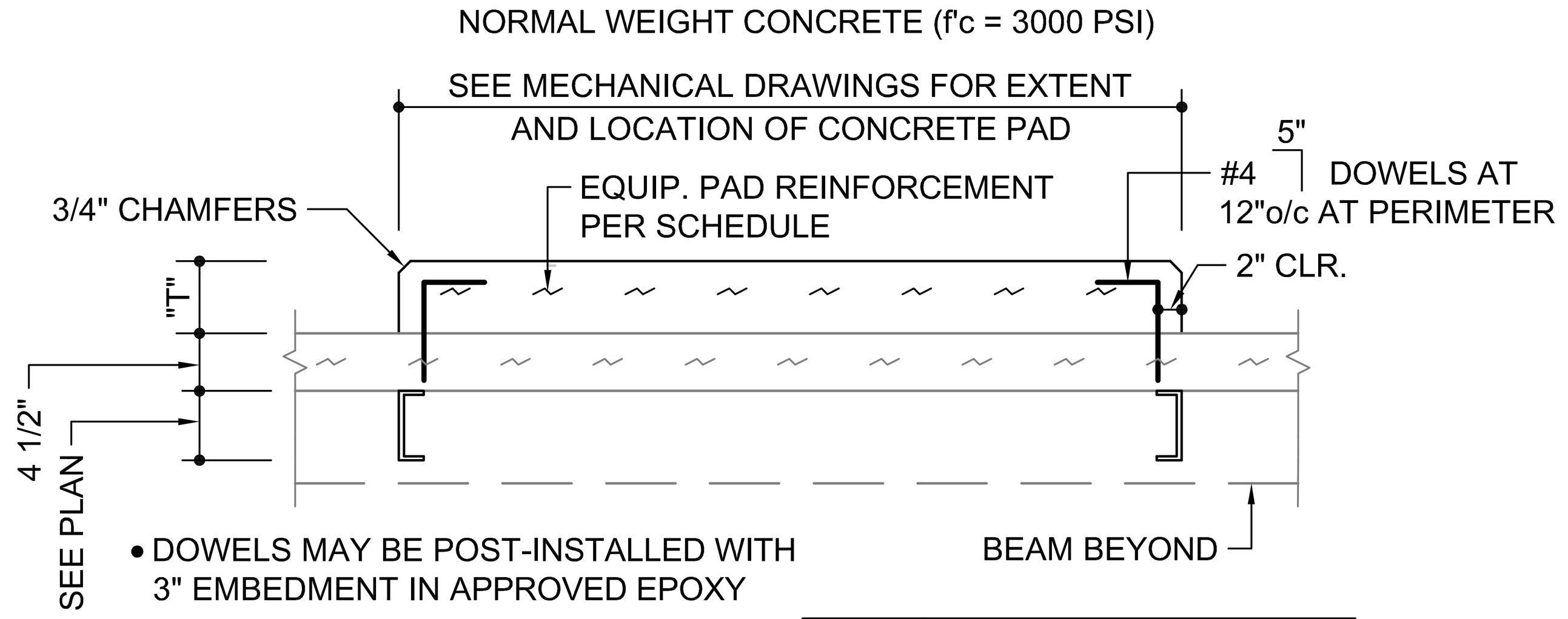
1. ELEVATION TOP OF EXISTING FRAMED CONCRETE SLAB = EL. 473.00.
2. EXISTING INFORMATION IS SHOWN AS HALFTONE AND IS BASED ON EXISTING STRUCTURAL DRAWINGS DATED OCTOBER 1969 BY FAISANT ASSOCIATES, INC. AND IS NOT BASED ON A FIELD SURVEY OR AS-BUILT CONDITION. CONTRACTOR SHALL NOTIFY DESIGN TEAM OF ANY DISCREPANCIES NOTED IN THE FIELD.
3. WALL TYPES ARE INDICATED ON PLAN THUS: EXISTING WALLS
4. ALL NEW STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A36.
5. ALL NEW STRUCTURAL WT's SHALL CONFORM TO ASTM A992.
6. LOCATION AND WEIGHT OF NEW MECHANICAL/ELECTRICAL EQUIPMENT SHALL BE VERIFIED AND CONFIRMED WITH THE MECHANICAL ENGINEER.
7. EXISTING 4 1/2"± CONCRETE SLAB SHOWN ON PLAN THUS:
8. EQUIPMENT LAYOUT IS BASED ON TEST FIT 3 AS PREPARED BY BKM.
9. MEP EQUIPMENT INDICATED ON PLAN THUS: 00 SHALL BE PER PROPOSED EQUIPMENT SCHEDULE ON S1.02. THE FINAL EQUIPMENT SELECTION SHALL NOT EXCEED THE WEIGHTS INDICATED PER THIS SCHEDULE. CONTACT EOR FOR ADDITIONAL REVIEW PRIOR TO CONSTRUCTION IF WEIGHTS ARE EXCEEDED.
10. RAISED ACCESS PLATFORM BY OTHERS. PLATFORM MANUFACTURER TO VERIFY THAT PLATFORM STRUCTURE IS CAPABLE OF SUPPORTING MEP EQUIPMENT WEIGHT AS SPECIFIED IN PROPOSED EQUIPMENT TABLE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLATFORM.

- IF EXISTING BEAM DOES NOT HAVE A COVER PLATE, WELD NEW WT TO EX. BEAM SIMILAR TO AS SHOWN



1 WT AT EXISTING BEAM
SCALE: 3/4" = 1'-0"

- MECHANICAL EQUIPMENT PAD SHALL BE NORMAL WEIGHT CONCRETE (f'c = 3000 PSI)



- DOWELS MAY BE POST-INSTALLED WITH 3" EMBEDMENT IN APPROVED EPOXY
- CONTRACTOR TO COORDINATE PAD DIMENSIONS WITH MEP PLANS AND MANUFACTURER REQUIREMENTS

"T"	REINFORCEMENT
4"	6x6 W2.9xW2.9 WWF

2 TYPICAL INTERIOR EQUIPMENT HOUSEKEEPING PAD
SCALE: 3/4" = 1'-0"

morabito consultants
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JMT ARCHITECTURE

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JOHNSON, MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND 21030
TEL. (410) 352-4617 WWW.JMTARCHITECTURE.COM

SEAL

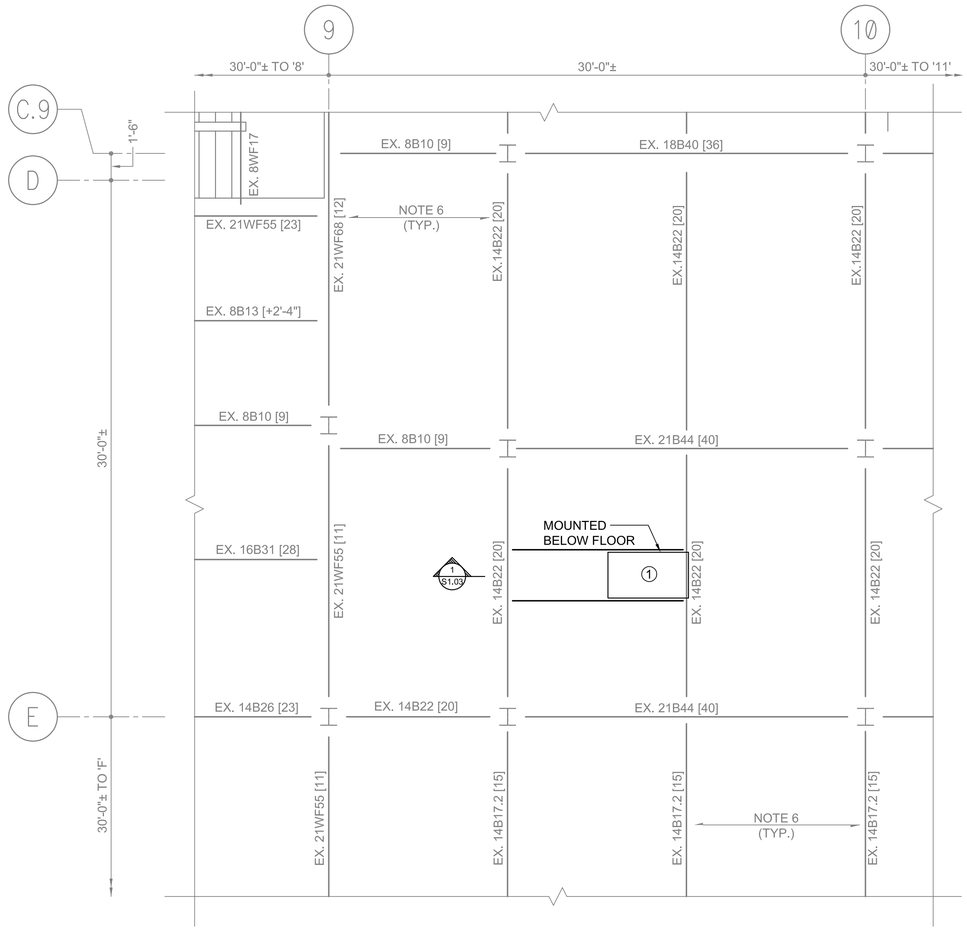
PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 54344 EXPIRATION DATE 5/14/2025

ENGINEER: EVAN CAMPBELL
DGN BY:
DWN BY: JGC
CHKD BY:
AS-BUILT PER RECORD PRINT
BY:
DATE:
DATE: 05/08/2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
			R.O.W NO.	NNW	38 NE 2	PLAN SCALE: / PROFILE SCALE:	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:							

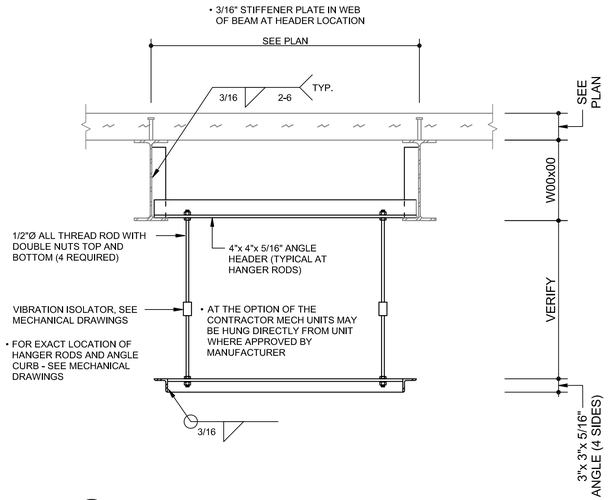
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT
911 CENTER- CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PART MEZZANINE PLAN & TYPICAL DETAILS
401 BOSLEY AVENUE, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON
ELECTION DIST. NO.: 9c6

SHEET DESIGNATION: S102
CONTRACT NUMBER: 25030-P00
JOB ORDER NUMBER: 906388
SHEET 10 OF 60
DRAWING NUMBER: 2025-1369
FILE NO.: 8



PART SECOND FLOOR FRAMING PLAN - UPS REPLACEMENT SCALE: 1/4" = 1'-0"

1. ELEVATION TOP OF EXISTING FRAMED CONCRETE SLAB = EL. 484.50.
2. EXISTING INFORMATION IS SHOWN AS HALFTONE AND IS BASED ON EXISTING STRUCTURAL DRAWINGS DATED OCTOBER 1969 BY FAISANT ASSOCIATES, INC. AND IS NOT BASED ON A FIELD SURVEY OR AS-BUILT CONDITION. CONTRACTOR SHALL NOTIFY DESIGN TEAM OF ANY DISCREPANCIES NOTED IN THE FIELD.
3. WALL TYPES ARE INDICATED ON PLAN THUS:
   EXISTING WALLS
4. ALL NEW STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A36.
5. ALL NEW STRUCTURAL STEEL WT's SHALL CONFORM TO ASTM A992.
6. LOCATION AND WEIGHT OF NEW MECHANICAL/ELECTRICAL EQUIPMENT SHALL BE VERIFIED AND CONFIRMED WITH THE MECHANICAL ENGINEER.
7. EXISTING 4 1/2"± CONCRETE SLAB SHOWN ON PLAN THUS:
8. EQUIPMENT LAYOUT IS BASED ON TEST FIT 3 AS PREPARED BY BKM.
9. MEP EQUIPMENT INDICATED ON PLAN THUS: (00) SHALL BE PER PROPOSED EQUIPMENT SCHEDULE ON S1.02. THE FINAL EQUIPMENT SELECTION SHALL NOT EXCEED THE WEIGHTS INDICATED PER THIS SCHEDULE. CONTACT EOR FOR ADDITIONAL REVIEW PRIOR TO CONSTRUCTION IF WEIGHTS ARE EXCEEDED.



1 HUNG MECHANICAL UNIT SUPPORT

SCALE: 3/4" = 1'-0"

morabito consultants
Structural Engineers I Parking Consultants
952 Ridgebrook Rd I Suite 1700
Sparks, MD 21152-9472
410.467.2377 I www.morabitoconsultants.com
MC JOB #24021

ARCHITECTURE

DWG FILENAME: BALT-CO-24X36.DWG

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

SEAL

STATE OF MARYLAND · EVAN W. CAMPBELL · No. 54344 · PROFESSIONAL ENGINEER

DATE: 05/08/2025

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. 54344 EXPIRATION DATE 5/14/2025

ENGINEER: EVAN CAMPBELL DGN BY:
AS-BUILT PER RECORD PRINT DWN BY: JGC
BY: CHKD BY:
DATE:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BDN

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: NNW | POSITION SHT: 38 NE 2

DRAWING SCALE: PLAN SCALE: | PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: PROPERTY MANAGER
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER- CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT

PART SECOND FLOOR PLAN & TYPICAL DETAILS

401 BOSLEY AVENUE, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECTION DIST. NO.: 9c6

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NUMBER
S103	25030-P00
JOB ORDER NUMBER	906388
SHEET 11 OF 60	
DRAWING NUMBER	2025-1370
FILE NO.: 8	

MECHANICAL GENERAL NOTES

1. THE MECHANICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE SCOPE AND THE GENERAL ARRANGEMENT OF THE SYSTEMS. WHERE APPLICABLE THE FOLLOWING NOTES SHALL APPLY TO ALL MECHANICAL (HVAC, PLUMBING, PIPING AND FIRE PROTECTION) SYSTEMS.
2. THOUGH SOME DUCTWORK AND PIPING OFFSETS AND TRANSITIONS ARE INDICATED, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL OFFSETS AND TRANSITIONS REQUIRED. THE CONTRACTOR SHALL FULLY COORDINATE THE MECHANICAL WORK WITHIN ITSELF AND WITH THE WORK OF ALL OTHER TRADES TO PROVIDE COMPLETE AND OPERABLE SYSTEMS WITHOUT INTERFERENCES.
3. DEMOLISH ALL SYSTEMS AND EQUIPMENT INDICATED TO BE REMOVED BY DRAWINGS OR NOTES. WHERE EXISTING SYSTEMS ARE TO REMAIN IN USE, REMOVE ALL UNUSED PORTIONS OF THE SYSTEMS TO A POINT AS CLOSE TO THE REMAINING SYSTEMS AS POSSIBLE AND CAP WITH MATERIALS AND CONSTRUCTION MATCHING THE REMAINING SYSTEMS' CUT END.
4. PROVIDE APPROVED FIRE STOPPING MATERIAL AROUND ALL DUCTWORK AND PIPING PENETRATIONS (NEW AND EXISTING) THROUGH FIRE RATED FLOORS AND WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED FLOORS AND WALLS. PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS AND FIRE/SMOKE DAMPERS AT ALL PENETRATIONS THROUGH SHAFT ENCLOSURES.
5. SUPPORT ALL EQUIPMENT (I.E. AHU'S, HEATERS, FANS, AIR TERMINAL UNITS, ETC.) FROM STRUCTURE WITH SPECIFIED VIBRATION ISOLATION.
6. PROVIDE ACCESS PANELS WHERE REQUIRED FOR ADEQUATE ACCESS TO ALL CONCEALED EQUIPMENT, VALVES, DAMPERS AND CONTROLS.
7. ALL DUCT SIZES REFER TO INTERNAL FREE AREA. REFER TO DRAWINGS AND SPECIFICATIONS FOR INTERNAL INSULATION AND SOUND LINING PRIOR TO FABRICATION.
8. ALL DUCTWORK SHALL BE CONSTRUCTED OF RIGID SHEET METAL UNLESS OTHERWISE NOTED.
9. INSTALL DUCTWORK AND PIPING MAINS TIGHT TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE INDICATED.
10. REFER TO MECHANICAL DETAILS FOR TYPICAL EQUIPMENT CONNECTIONS.
11. PIPING CONNECTIONS TO HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
12. PROVIDE CONDENSATE DRAIN PIPING FROM EACH AIR HANDLING UNIT TO NEAREST ROOF/FLOOR DRAIN. PROVIDE CLEAN OUT AT EACH ELBOW. SIZE PER MANUFACTURER.
13. AIR CONDITIONING (A/C) CONDENSATE PIPING SHALL BE EXTENDED FROM ALL A/C CONDENSATE SOURCE EQUIPMENT (AHU'S, FAN COIL UNITS, UNIT VENTILATORS, SPLIT SYSTEM A/C UNITS, ETC.) AND CONNECTED TO THE NEAREST STORM WATER PIPE/DRAIN LOCATION. SIZE PER MANUFACTURER.
14. REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATION OF DUCT PENETRATIONS THRU ROOF. PROVIDE DUCT TRANSITIONS AT ROOF FOR ALL ROOF MOUNTED EQUIPMENT.
15. PATCH AND SEAL ALL REMAINING OPENINGS (NEW AND EXISTING) THROUGH FLOORS, CEILINGS, WALLS, AND ROOF RESULTING FROM DEMOLITION OR NEW WORK WITH MATERIALS AND FINISHES TO MATCH EXISTING CONSTRUCTION AND FIRE RATING.
16. AS AN INTEGRAL PART OF THESE DOCUMENTS, THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
17. PRIOR TO THE BALANCING OF SYSTEMS BY THE AABC CERTIFIED BALANCING CONTRACTOR, ALL HIGH PRESSURE AND LOW PRESSURE SYSTEMS SHALL BE TESTED BY THE MECHANICAL CONTRACTOR FOR DUCT LEAKAGE. DUCT LEAKAGE SHALL NOT EXCEED 1% FOR A DURATION OF TEN (10) MINUTES. SEE SPECIFICATIONS FOR ADDITIONAL TESTING CRITERIA. INSULATION MATERIALS SHALL NOT BE APPLIED UNTIL SYSTEMS HAVE BEEN WITNESSED, DOCUMENTED AND SUBMITTED TO MEET THE ABOVE TESTING REQUIREMENTS. REFER SPECIFICATIONS FOR SYSTEMS INDICATED AS LOW PRESSURE OR HIGH PRESSURE. THE BALANCE CONTRACTOR SHALL WITNESS AND CERTIFY ALL DUCT PRESSURE TESTS.
18. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING AGENCY TO PLAN AND IMPLEMENT AN INDOOR AIR QUALITY CONSTRUCTION MANAGEMENT PLAN PER THE REQUIREMENTS OF THE INTERNATIONAL GREEN CONSTRUCTION CODE.
19. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO THE BEGINNING OF ANY WORK. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY.
20. CONTRACTOR SHALL USE CARE WHEN PERFORMING SELECTIVE DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO BUILDING FINISHES, EQUIPMENT, FURNITURE, STRUCTURE, AND MECHANICAL/ELECTRICAL SYSTEMS AND EQUIPMENT. SHOULD ANY DAMAGE OCCUR THE CONTRACTOR SHALL RESTORE DAMAGED AREA/ITEMS TO ORIGINAL CONDITION TO MEET THE OWNER'S SATISFACTION.
21. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE OWNER ANY UTILITY OUTAGES. OWNER SHALL BE GIVEN A MINIMUM OF 72 HOURS NOTICE (THREE WORKING DAYS) FOR ANY OUTAGES.
22. HVAC SHALL BE MAINTAINED TO ALL AREAS OUTSIDE OF THE CURRENT PHASE OF THE RENOVATED AREA AT ALL TIMES. PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO COORDINATE OUTAGES WITH THE OWNER A MINIMUM OF 72 HOURS (THREE WORKING DAYS) IN ADVANCE.
23. DEMOLITION AND NEW WORK THAT WILL RESULT IN DOWN TIME OF SERVICES (HVAC, PLUMBING, ETC.) SHALL BE PERFORMED AT PREMIUM TIME AS REQUIRED TO MINIMIZE DOWN TIME TO ADJACENT SPACES. COORDINATE ALL OUTAGES WITH OWNER.
24. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL PHASING INFORMATION. ALL WORK AND ASSOCIATED OUTAGES SHALL BE COORDINATED WITH THE PHASING SCHEDULE AND THE OWNER.
25. SCHEDULE ALL WORK IN OCCUPIED SPACES WITH OWNER AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION.
26. RETURN TO OWNER, AT THEIR DISCRETION, ALL UNUSED MECHANICAL EQUIPMENT (I.E. AHU'S, HEATERS, FANS, PUMPS, VAV BOXES, AIR DEVICES, THERMOSTATS AND CONTROLS).
27. CONTRACTOR SHALL TEST/BALANCE ALL AIR AND HYDRONIC EQUIPMENT AND DEVICES INDICATED ON THE DOCUMENTS. AIR SYSTEM EQUIPMENT AND DEVICES SHALL INCLUDE, BUT NOT BE LIMITED TO: AIR HANDLING EQUIPMENT (AHU'S, RTU'S, DOAS UNITS, FAN COIL UNITS, UNIT VENTILATORS, ETC.), FANS, AIR VOLUME TERMINAL UNITS, AIR DEVICES, DUCT MOUNTED VOLUME DAMPERS, HOODS, ETC. HYDRONIC EQUIPMENT AND DEVICES SHALL INCLUDE, BUT NOT BE LIMITED TO: CHILLERS, COOLING TOWERS, BOILERS, CONDENSERS, HEAT EXCHANGERS, PUMPS, COILS, BALANCING VALVES, ETC. BALANCE ALL EQUIPMENT AND DEVICES TO THE AIR/WATER FLOWS (CFM OR GPM) INDICATED ON THE DOCUMENTS (WHERE FLOWS ARE NOT CLEARLY INDICATED, CONTACT THE A/E FOR CLARIFICATION).
28. WHERE PIPING PENETRATES CONCRETE WALL AND SLABS, PROVIDE GROUND PENETRATING RADAR (GPR) SCAN TO IDENTIFY THE LOCATION OF REBAR. SUBMIT RESULTS TO OWNER AND ENGINEER FOR REVIEW.
29. WHERE PENETRATIONS OF STRUCTURAL SLAB, WALLS, ETC. ARE ANTICIPATED, PROVIDE GROUND PENETRATING RADAR (GPR), OR OTHER APPROVED METHODS, TO DETERMINE THE LOCATION OF STRUCTURAL REINFORCEMENT. COORDINATE ALL PENETRATIONS WITH STRUCTURAL REINFORCEMENT AS REQUIRED TO AVOID DAMAGE TO THE REINFORCEMENT AS WELL AS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL SLABS, WALLS, ETC. SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW.
30. WHERE MOTOR STARTERS AND/OR VARIABLE FREQUENCY DRIVES (VFD'S) ARE INDICATED FOR MECHANICAL EQUIPMENT, THEY SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED WITH THE ELECTRICAL SPECIFICATIONS FOR MOTOR STARTERS AND VFD'S. WHERE MOTOR STARTERS AND/OR VFD'S ARE PROVIDED BY THE MECHANICAL CONTRACTOR, OR AS A PORTION OF A PACKAGED MECHANICAL UNIT, THE ELECTRICAL SPECIFICATIONS SHALL ALSO APPLY. ALL VFD'S FOR THE PROJECT, WHETHER PROVIDED BY THE MECHANICAL OR ELECTRICAL CONTRACTOR, SHALL BE PROVIDED BY A SINGLE MANUFACTURER, AND SHALL INCLUDE THE SAME FEATURES AND OPTIONS.
31. UNLESS INDICATED OTHERWISE, ALL EXPOSED PIPING IN ALL FINISHED AREAS SHALL BE COVERED WITH A 16-GAUGE STEEL PRIMED AND PAINTED METAL COVER. THE COVER SHALL BE SECURED TO AN ADJACENT STRUCTURE AND PAINTED TO MATCH ADJACENT SURFACES.
32. CONTRACTOR SHALL REMOVE, REINSTALL AND/OR RELOCATE ANY EXISTING CONDUIT, PIPING SYSTEMS, DUCTWORK, TELECOMMUNICATIONS WIRING, HANGERS/SUPPORTS, ETC. AS REQUIRED TO ACCOMPLISH THE MECHANICAL WORK INDICATED.

SPRINKLER GENERAL NOTES

1. THE SPRINKLER CONTRACTOR SHALL MAKE MODIFICATIONS TO EXISTING SPRINKLER SYSTEM AS REQUIRED TO PROVIDE COMPLETE SPRINKLER COVERAGE FOR THE NEW ARCHITECTURAL ARRANGEMENT.
2. THE EXISTING SPRINKLER SYSTEM SHALL REMAIN IN SERVICE AS LONG AS POSSIBLE DURING DEMOLITION ON THE FLOOR. WHEN THE SYSTEM SERVING THE RENOVATED AREA IS TAKEN OUT OF SERVICE, THE OCCUPIED PORTION OF THE FLOOR SHALL REMAIN IN SERVICE. THE RENOVATED AREA SHALL HAVE A FIRE WATCH WHENEVER THE FLOOR IS OCCUPIED. COORDINATE FIRE WATCH REQUIREMENTS WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
3. CONTRACTOR SHALL HYDRAULICALLY DESIGN AND INSTALL THE SPRINKLER SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13, AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING WORK.
4. PRIOR TO THE INSTALLATION OF THE SPRINKLER SYSTEM, THE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING, VALVES, SPRINKLER HEADS, ETC. WITH ALL NEW AND EXISTING DUCTWORK, PIPING, CABLE TRAYS, LIGHT FIXTURES, STRUCTURAL MEMBERS, AND OTHER DISCIPLINES.
5. ALL WALL PENETRATIONS SHALL BE PROVIDED WITH SLEEVES AND SEALED TO THE FULL THICKNESS OF THE PENETRATION. IN FIRE RATED WALLS, CEILINGS, AND FLOORS. PENETRATIONS SHALL BE SEALED WITH A MATERIAL OF EQUAL FIRE RESISTANCE.

MECHANICAL LEGEND

DUAL TEMPERATURE SUPPLY — DTS
DUAL TEMPERATURE RETURN — DTR
CHILLED/HEATING WATER SUPPLY — CHS
CHILLED/HEATING WATER RETURN — CHR
HEATING WATER SUPPLY — HS
HEATING WATER RETURN — HR
CHILLED WATER SUPPLY — CWS
CHILLED WATER RETURN — CWR
GLYCOL WATER SUPPLY — GWS
GLYCOL WATER RETURN — GWR
LOW PRESSURE STEAM SUPPLY (0-15 PSI) — LPS
LOW PRESSURE STEAM RETURN — LPR
CHECK VALVE
BALL VALVE
BUTTERFLY VALVE
GLOBE VALVE
BALANCING VALVE W/ FLOW METER FITTING (VENTURI TYPE)
MULTI-PURPOSE VALVE
3 PORT MODULATING CONTROL VALVE
2 PORT MODULATING CONTROL VALVE
RELIEF VALVE
WYE STRAINER W/HOSE END VALVE
FLANGED CONNECTION
GAUGE AND VALVE
TEMPERATURE/PRESSURE TEST PORT
TEE
THERMOMETER
UNION
PIPING CAP
CONCENTRIC REDUCER
FLOW SWITCH — F

MANUAL AIR VENT
AUTOMATIC AIR VENT
PIPE GUIDE OR SLEEVE
PIPE ANCHOR
PIPING ELBOW DOWN
PIPING ELBOW UP
PIPE CONNECTION BOTTOM
PIPE CONNECTION TOP
HOSE END VALVE
VALVE IN VERTICAL POSITION
SUPPLY AIR DUCT UP (DASHED LINES FOR DOWN)
RETURN & EXHAUST AIR DUCT UP (DASHED LINES FOR DOWN)
OUTSIDE AIR DUCT UP (DASHED LINES FOR DOWN)
FLEXIBLE CONNECTION
FLEXIBLE DUCT
DOUBLE THICKNESS TURNING VANES
EXISTING DUCTWORK
DUCTWORK TO BE REMOVED
OPEN ENDED DUCT — OED
DUCTWORK WITH SOUND LINING
FLEXIBLE DUCT AND EQUIPMENT CONNECTOR
NEW DUCTWORK
DUCT TRANSITION ROUND TO RECTANGULAR
DUCT TRANSITION
CHANGE IN DUCT ELEV. (R-RISE, D-DROP) — R / D
DUCT SIZE (FIRST FIGURE IS SIDE SHOWN) — 12 x 20
LINEAR SLOT DIFFUSER
BALANCING DAMPER
MOTOR OPERATED DAMPER — MOD
FIRE DAMPER WITH ACCESS PANEL — FD

COMBINATION FIRE/SMOKE DAMPER WITH SMOKE DETECTORS AND ACCESS PANEL — F/SD
ACCESS DOOR — AD
FIRE DETECTOR (FIRESTAT)
SMOKE DETECTOR
THERMOSTAT — T
TEMPERATURE SENSOR — TS
LIMIT OF DEMOLITION
CONNECT TO EXISTING

ABBREVIATIONS

ABOVE FINISHED FLOOR	AFF
AIR HANDLING UNIT	AHU
AIR PRESSURE DROP	APD
CONDENSATE DRAIN	CD
CLEANOUT	CO
DRY BULB	DB
ENTERING AIR TEMPERATURE	EAT
EXHAUST AIR	EA
EXHAUST FAN	EF
EXISTING TO REMAIN	ETR
EXTERNAL STATIC PRESSURE	ESP
FLEXIBLE CONNECTION	FC
FACE VELOCITY	FV
FINS PER INCH	FPI
GLYCOL WATER RETURN	GWR
GLYCOL WATER SUPPLY	GWS
LEAVING AIR TEMPERATURE	LAT
NORMALLY OPENED	NO
NOT IN CONTRACT	NIC
OPEN ENDED DUCT	OED
OUTSIDE AIR	OA
PROPYLENE GLYCOL	PG
REMOVE EXISTING	RX
RETURN AIR	RA
RETURN AIR FAN	RAF
SUPPLY AIR	SA
TOTAL STATIC PRESSURE	TSP
WATER PRESSURE DROP	WPD
WET BULB	WB

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\M\Mechanical Cover

Plotted By: Denise Wilson | 3/6/2025 2:43 PM

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. 18528, EXPIRATION DATE 07/27/2026.

ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: FAC
DWN BY: FAC
CHKD BY: ACE

DATE : APRIL 10, 2025

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

R.O.W NO. | NNW | 38 NE 2

CONTRACT COMPLETION BOX

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

SUBDIVISION: TOWSON

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES
401 BOSLEY, TOWSON MARYLAND 21204

ELECT. DISTRICT NO. 9c6

APRIL 10, 2025

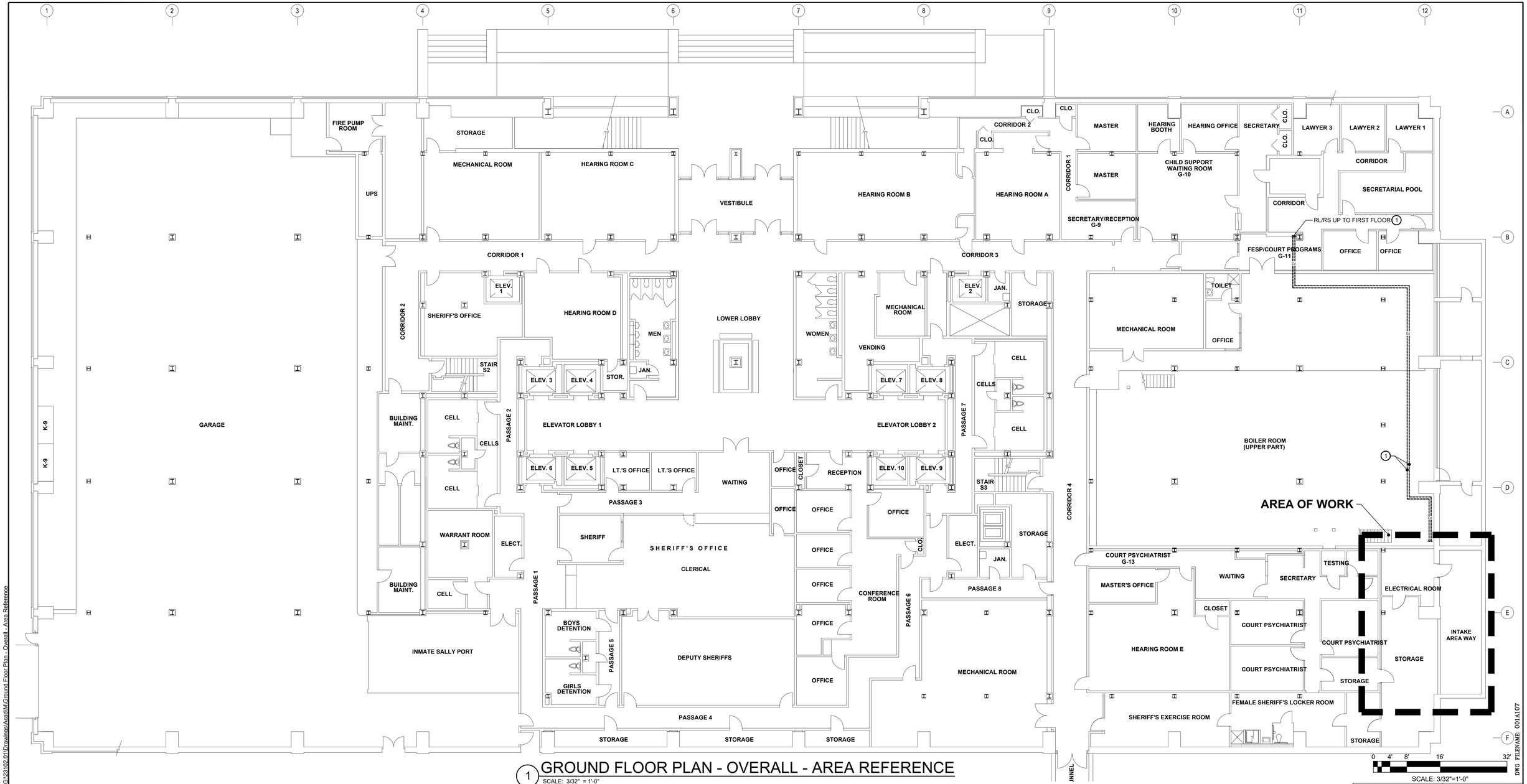
JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
M0.01	25030-P00
	JOB ORDER NO. 906388
	SHEET 12 OF 60
	DRAWING NO. 2025-1371
	FILE NO. 8 REV

BKM# 23102.01



1 GROUND FLOOR PLAN - OVERALL - AREA REFERENCE

SCALE: 3/32" = 1'-0"

SCALE: 3/32"=1'-0"

GENERAL NOTES:

1. FOR REFERENCE.

DRAWING NOTES:

1. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK OF RL/RS PIPING WITH EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL EQUIPMENT, CONDUIT, SPRINKLER PIPING, SPRINKLER HEADS, PLUMBING, FIRE ALARM, ARCHITECTURAL, STRUCTURAL, ETC. RELOCATE EXISTING UTILITIES AS REQUIRED TO ACCOMMODATE NEW WORK. ROUTE OF PIPING SHALL COMPLY WITH REQUIREMENTS INDICATED IN NEC 70 ARTICLE 110.

APRIL 10, 2025

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AS-BUILT PER RECORD PRINT
BY:
DATE:

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DWN BY: FAC
CHKD BY: ACE

DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	NNW	38 NE 2
CONTRACT COMPLETION BOX					

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

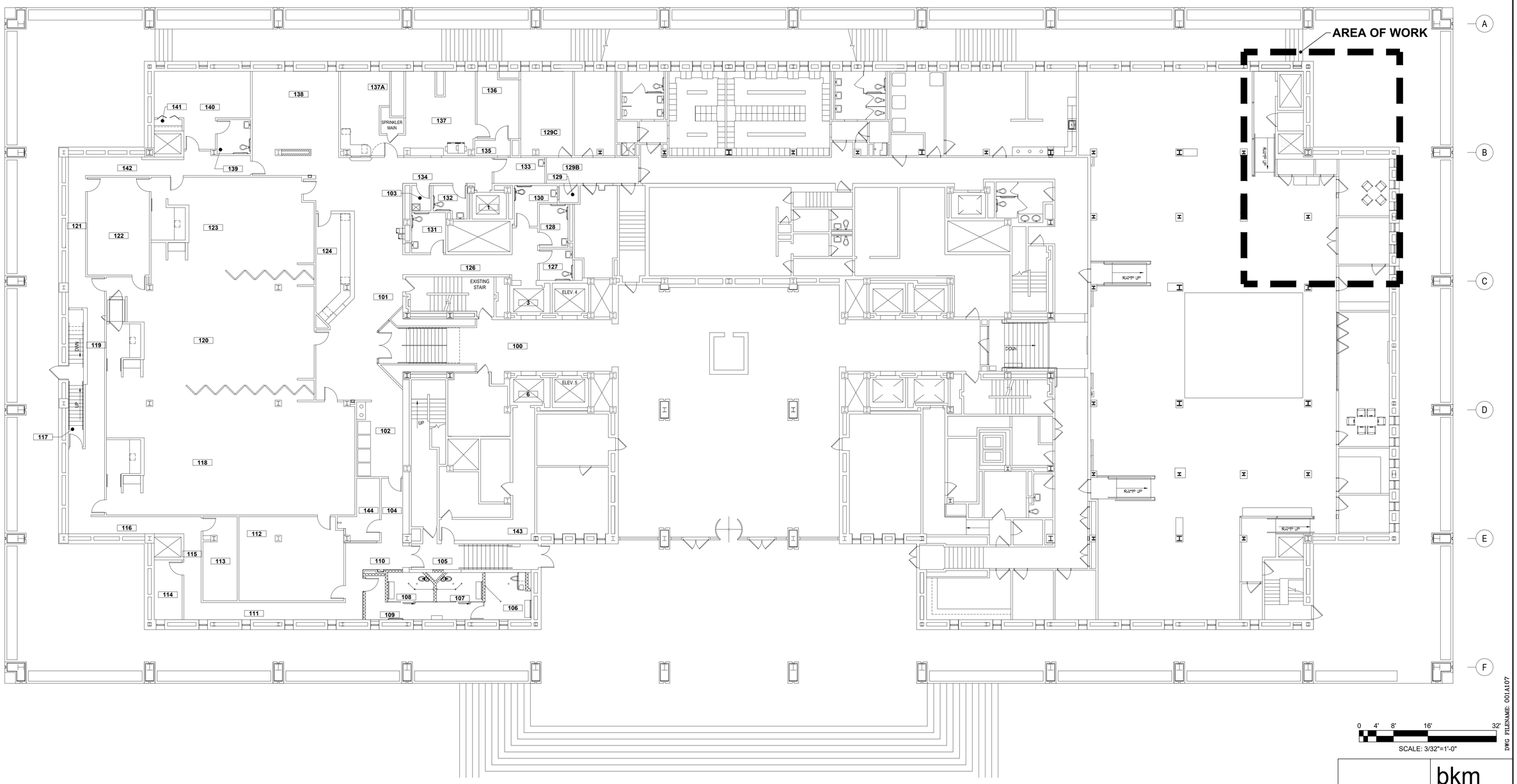
PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
GROUND FLOOR PLAN – OVERALL – AREA REFERENCE
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
M0.03	25030-P00
	JOB ORDER NO. 906388
	SHEET 13 OF 60
	DRAWING NO. 2025-1372
	FILE NO. 8 REV.

BKM# 23102.01

Plotted By: Denise Wilson | 3/6/2025 2:47 PM
ARL: G:\23102.01\Drawings\Asset\M\Ground Floor Plan - Overall - Area Reference
DWG FILENAME: 001A107



1 FIRST FLOOR PLAN - OVERALL - AREA REFERENCE

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1. FOR REFERENCE ONLY.

0 4' 8' 16' 32'

SCALE: 3/32"=1'-0"

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
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ARCHITECTURE

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CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE	
PLAN SCALE:	
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: _____ DIRECTOR
DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

FIRST FLOOR PLAN – OVERALL – AREA REFERENCE

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
M0.04	25030-P00

JOB ORDER NO. 906388

SHEET 14 OF 60

DRAWING NO. 2025-1373

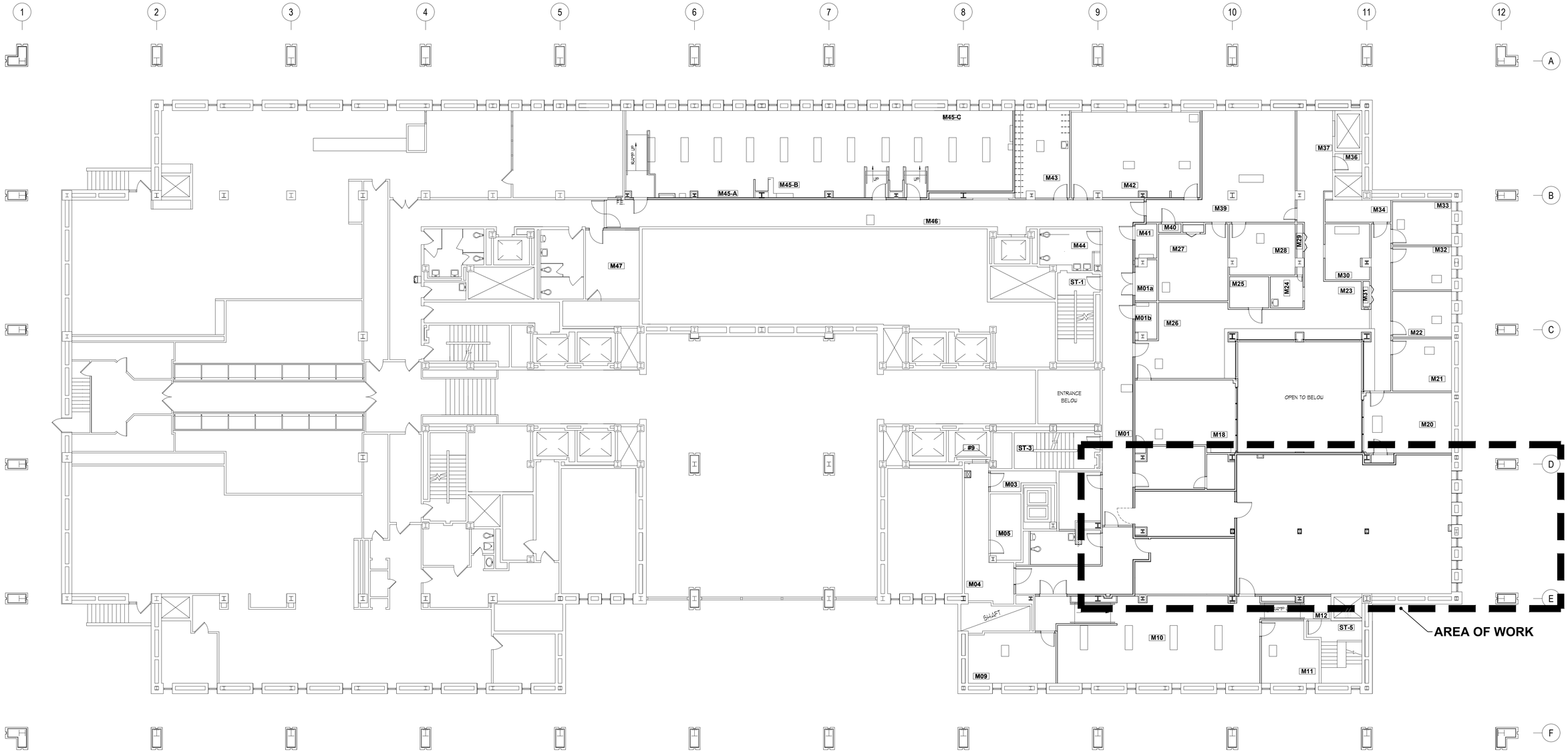
FILE NO. 8 REV.

BKM# 23102.01

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\M\First Floor Plan - Overall - Area Reference

Plotted By: Denise Wilson | 3/6/2025 2:41 PM



1 MEZZANINE FLOOR PLAN - OVERALL - AREA REFERENCE

SCALE: 3/32" = 1'-0"

0 4' 8' 16' 32'

SCALE: 3/32"=1'-0"

GENERAL NOTES:

1. FOR REFERENCE ONLY.

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SEAL

STATE OF MARYLAND — ANDREW CHARLES ENDRES — No. 18528 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 18528, EXPIRATION DATE 07/27/2026					R.O.W NO.	NNW	38 NE 2	PLAN SCALE:	APPROVED BY: DIRECTOR
		CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
ENGINEER: ANDREW ENDRES, Burdette, koehler, Murphy & Assoc. Inc.	DGN BY: FAC	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
AS-BUILT PER RECORD PRINT	DWN BY: FAC	REVIEWED BY:							
BY: DATE:	CHKD BY: ACE	DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

MEZZANINE FLOOR PLAN – OVERALL – AREA REFERENCE

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

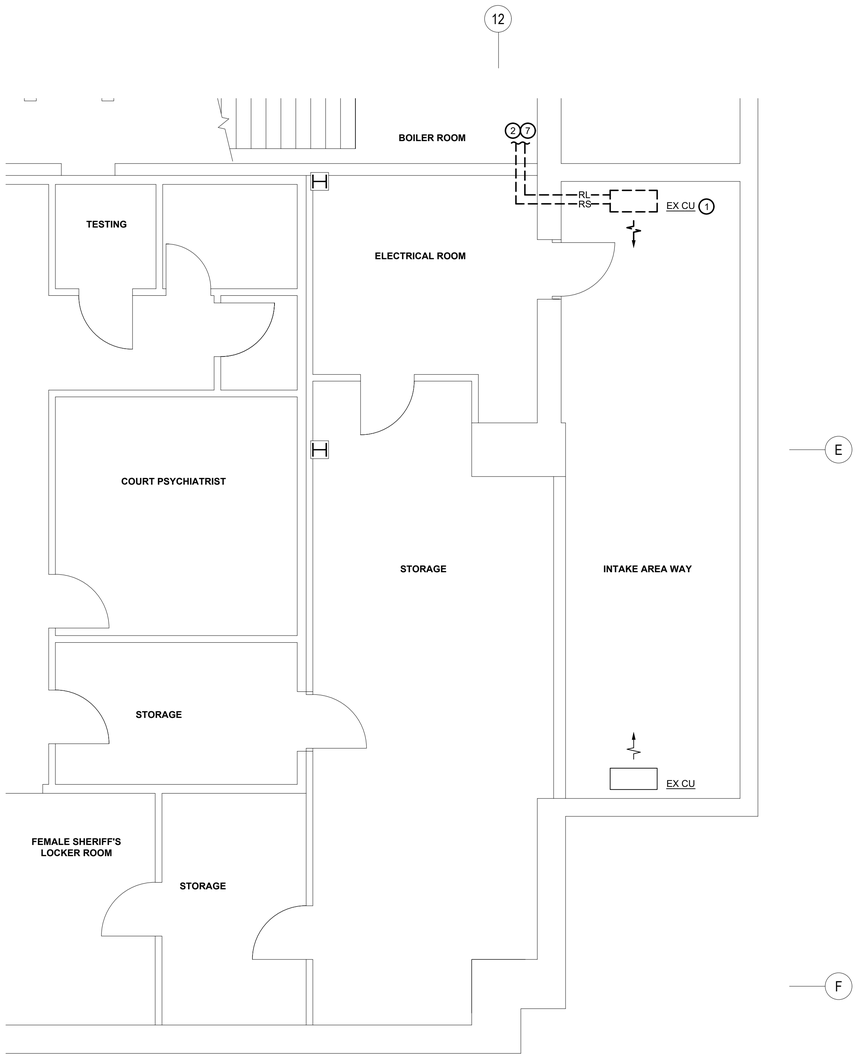
SHEET DESIGNATION	CONTRACT NO.
M0.05	25030-P00
	JOB ORDER NO. 906388
	SHEET 15 OF 60
	DRAWING NO. 2025-1374
	FILE NO. 8 REV.

BKM# 23102.01

Plotted By: Denise Wilson | 3/6/2025 2:43 PM

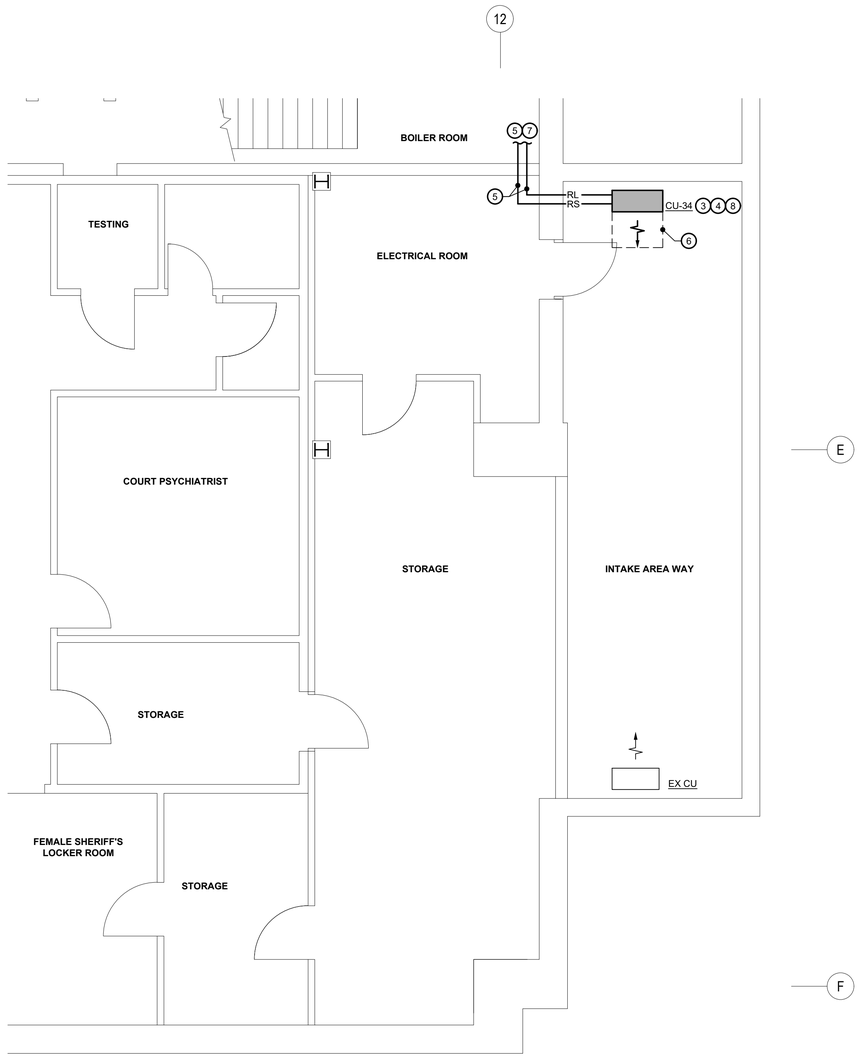
ARL: G:\23102.01\Drawings\Acad\M\Mezzanine Floor Plan - Overall - Area Reference

DWG FILENAME: 001A107



1 GROUND FLOOR PART PLAN - HVAC PIPING - DEMOLITION

SCALE: 1/4" = 1'-0"



2 GROUND FLOOR PART PLAN - HVAC PIPING - NEW WORK

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO THE BEGINNING OF ANY WORK. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY.

DRAWING NOTES:

1. DEMOLISH EXISTING CONDENSING UNIT AND ALL ASSOCIATED APPURTENANCES.
2. DEMOLISH EXISTING RL/RS PIPING FROM CONDENSING UNIT TO INDOOR FAN COIL UNIT LOCATED ON THE FIRST FLOOR. REFER TO DRAWING M1.02 FOR CONTINUATION OF DEMOLITION WORK.
3. OUTDOOR UNIT SHALL BE WALL MOUNTED TO MATCH EXISTING INSTALLATION.
4. PROVIDE OUTDOOR UNIT WITH FRONT AND SIDE ADVANCED WIND BAFFLE KIT.
5. ROUTE NEW RL/RS PIPING FROM NEW CONDENSING UNIT CU-34 TO NEW INDOOR FAN COIL UNIT FCU-34 LOCATED ON THE FIRST FLOOR. ROUTE OF PIPING SHALL COMPLY WITH REQUIREMENTS INDICATED IN NEC 70 ARTICLE 110. REFER TO DRAWING M1.02 FOR CONTINUATION OF NEW WORK. PIPING SHALL BE PRE-INSULATED AND SIZED PER MANUFACTURER'S REQUIREMENTS. PROVIDE RL/RS PIPING LOCATED WITHIN INTAKE AREA WAY WITH LINE SET COVER KIT.
6. EQUIPMENT SERVICE CLEARANCE.
7. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK OF RL/RS PIPING WITH EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL EQUIPMENT, CONDUIT, SPRINKLER PIPING, SPRINKLER HEADS, PLUMBING, FIRE ALARM, ARCHITECTURAL, STRUCTURAL, ETC. RELOCATE EXISTING UTILITIES AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO SHEET M0.03 FOR REFERENCE.
8. CONTRACTOR SHALL COORDINATE FINAL UNIT DESIGNATION WITH OWNER.

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

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JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

JMT ARCHITECTURE

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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
M1.01	25030-P00

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
GROUND FLOOR PART PLANS – HVAC PIPING – DEMOLITION & NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

JOB ORDER NO.	
906388	
SHEET 16 OF 60	
DRAWING NO.	
2025-1375	
FILE NO. 8	REV.

BKM# 23102.01

SEAL

STATE OF MARYLAND · ANDREW CHARLES ENDRES · No. 18528 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 18528 , EXPIRATION DATE 07/27/2026 .

ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: FAC
DWN BY: FAC
CHKD BY: ACE

AS-BUILT / REVISION	BY	DATE

CONTRACT COMPLETION BOX

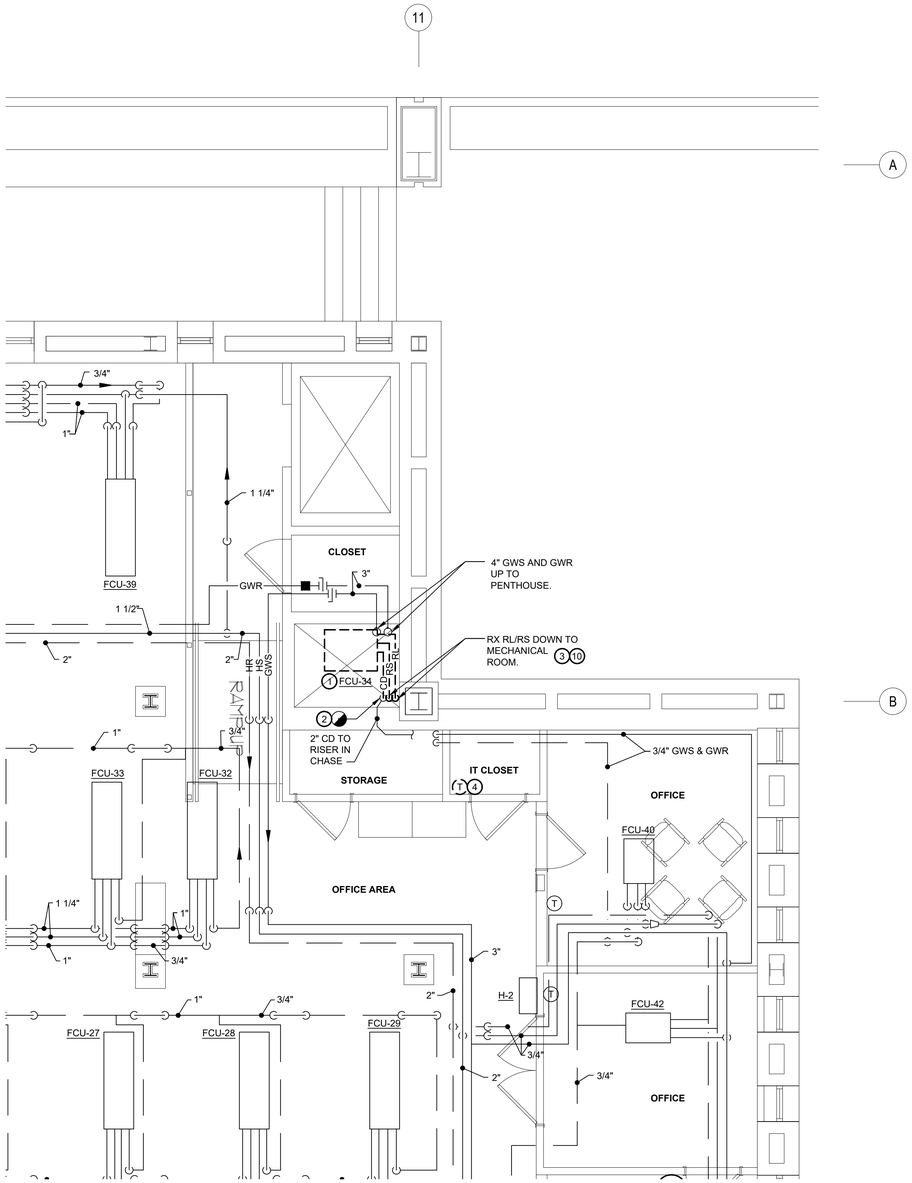
P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

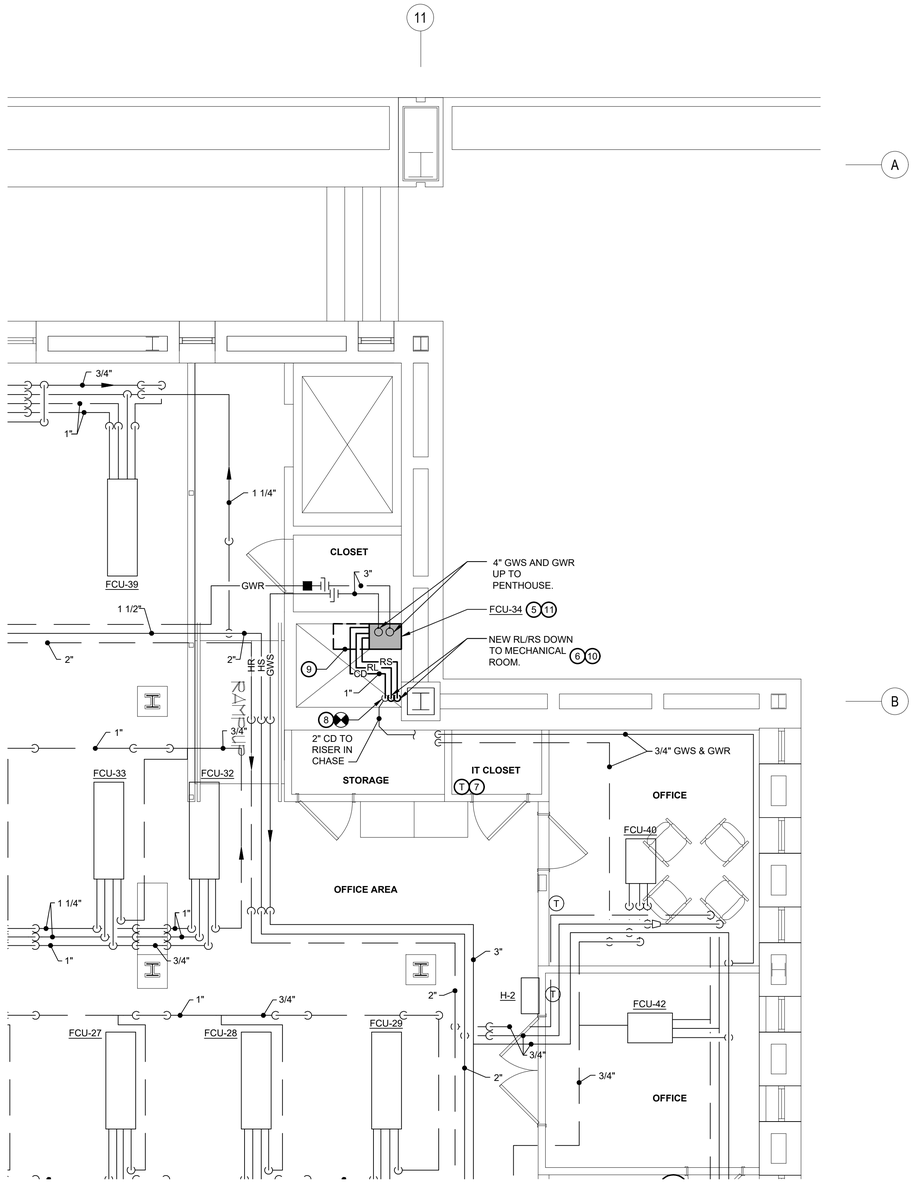
PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

Plotted By: Denise Wilson | 3/6/2025 2:41 PM
ARL: G:\23102.01\Drawings\Acad\M\Ground Floor Part Plan - HVAC Piping - Demolition & New Work



1 FIRST FLOOR PART PLAN - HVAC PIPING - DEMOLITION

SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PART PLAN - HVAC PIPING - NEW WORK

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO THE BEGINNING OF ANY WORK. FAILURE TO VISIT THE SITE SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY.

DRAWING NOTES:

1. DEMOLISH EXISTING INDOOR FAN COIL UNIT AND ALL ASSOCIATED SUPPORTS, PIPING, CONTROLS, AND APPURTENANCES.
2. DEMOLISH EXISTING CONDENSATE DRAIN PIPING BACK TO CONDENSATE RISER AS INDICATED.
3. DEMOLISH EXISTING RL/RS PIPING FROM INDOOR FAN COIL UNIT TO OUTDOOR CONDENSING UNIT LOCATED ON THE GROUND FLOOR. REFER TO DRAWING M1.01 FOR CONTINUATION OF DEMOLITION WORK.
4. DEMOLISH EXISTING WALL MOUNTED THERMOSTAT SERVING EXISTING INDOOR FAN COIL UNIT.
5. NEW FLOOR MOUNTED INDOOR FAN COIL UNIT.
6. PROVIDE NEW RL/RS PIPING FROM NEW FAN COIL UNIT FCU-34 TO NEW ASSOCIATED OUTDOOR CONDENSING UNIT CU-34 LOCATED ON THE GROUND FLOOR. REFER TO DRAWING M1.01 FOR CONTINUATION OF NEW WORK. PIPING SHALL BE PRE-INSULATED AND SIZED PER MANUFACTURER'S REQUIREMENTS.
7. PROVIDE NEW WALL MOUNTED REMOTE WIRED CONTROLLER SERVING NEW FCU-34.
8. CONTRACTOR TO ROUTE NEW CONDENSATE DRAIN PIPING TO EXISTING CONDENSATE RISER.
9. EQUIPMENT SERVICE CLEARANCE.
10. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK OF RL/RS PIPING WITH EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL EQUIPMENT, CONDUIT, SPRINKLER PIPING, SPRINKLER HEADS, PLUMBING, FIRE ALARM, ARCHITECTURAL, STRUCTURAL, ETC. RELOCATE EXISTING UTILITIES AS REQUIRED TO ACCOMMODATE NEW WORK. ROUTE OF PIPING SHALL COMPLY WITH REQUIREMENTS INDICATED IN NEC 70 ARTICLE 110.
11. CONTRACTOR SHALL COORDINATE FINAL UNIT DESIGNATION WITH OWNER.

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

N

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
M1.02	25030-P00

SEAL

STATE OF MARYLAND — ANDREW CHRISTOPHER ENDRES — No. 18528 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 18528 EXPIRATION DATE 07/27/2024

ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: FAC
DWN BY: FAC
CHKD BY: ACE

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.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
FIRST FLOOR PART PLANS – HVAC PIPING – DEMOLITION & NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

JOB ORDER NO.	
906388	
SHEET 17	OF 60
DRAWING NO.	
2025-1376	
FILE NO. 8	REV.

BKM# 23102.01

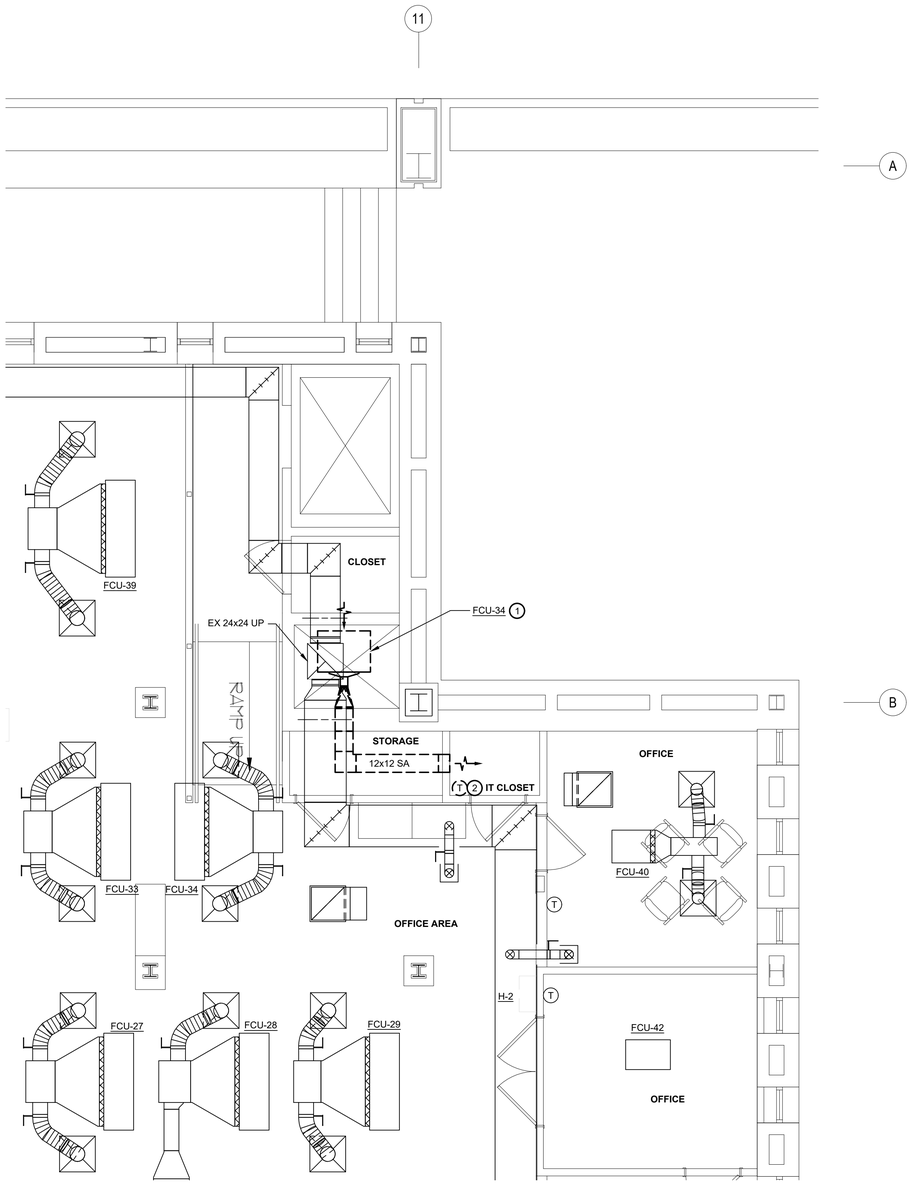
Plotted By: Denise Wilson | 3/6/2025 2:41 PM
ARL: G:\23102.01\Drawings\Acad\M\First Floor Part Plan - HVAC Piping - Demolition & New Work

GENERAL NOTES:

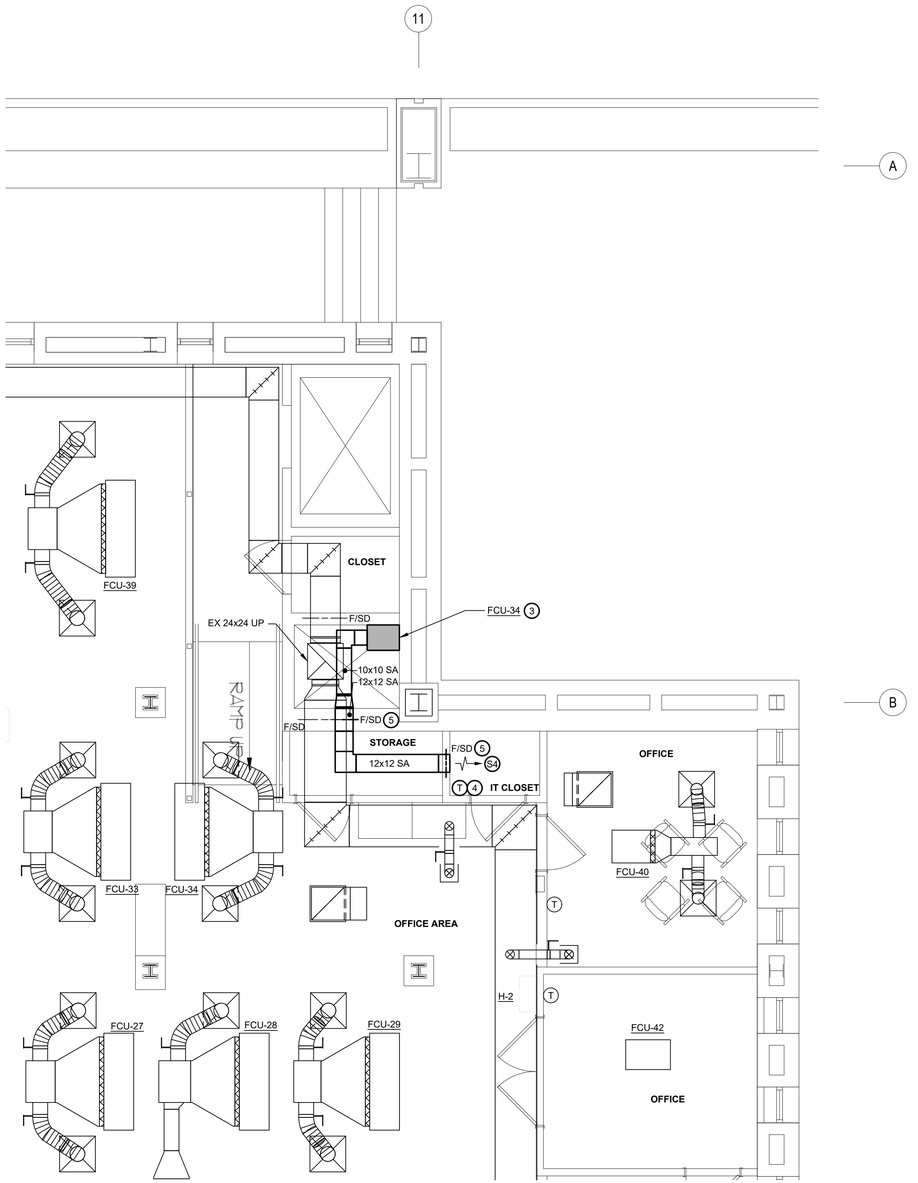
1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

DRAWING NOTES:

1. DEMOLISH EXISTING FAN COIL UNIT AND ALL ASSOCIATED SUPPORTS, DUCTWORK, CONTROLS, AND APPURTENANCES.
2. DEMOLISH EXISTING WALL MOUNTED THERMOSTAT SERVING EXISTING INDOOR FAN COIL UNIT.
3. NEW FLOOR MOUNTED INDOOR FAN COIL UNIT. CONTRACTOR SHALL COORDINATE FINAL UNIT DESIGNATION WITH OWNER.
4. PROVIDE NEW WALL MOUNTED REMOTE WIRED CONTROLLER SERVING NEW FCU-34.
5. PROVIDE NEW COMBINATION FIRE AND SMOKE DAMPER. DAMPER END SWITCH SHALL BE INTERLOCKED WITH NEW FAN COIL UNIT OPERATION. IF DAMPER CLOSES, THE NEW FAN COIL UNIT SHALL SHUT DOWN AND BE DISABLED FROM OPERATION. DAMPER SHALL FAIL CLOSED.



1 FIRST FLOOR PART PLAN - DUCTWORK - DEMOLITION
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PART PLAN - DUCTWORK - NEW WORK
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

N

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
M1.03	25030-P00

JOB ORDER NO. 906388

SHEET 18 OF 60

DRAWING NO. 2025-1377

FILE NO. 8

BKM# 23102.01

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
FIRST FLOOR PART PLANS – DUCTWORK – DEMOLITION & NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SEAL
STATE OF MARYLAND · DENIS CHARLES WILSON · No. 19528 · PROFESSIONAL ENGINEER
DATE : APRIL 10, 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. 18528, EXPIRATION DATE 07/27/2026.
ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: FAC
DWN BY: FAC
CHKD BY: ACE

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | NNW | 38 NE 2
CONTRACT COMPLETION BOX

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

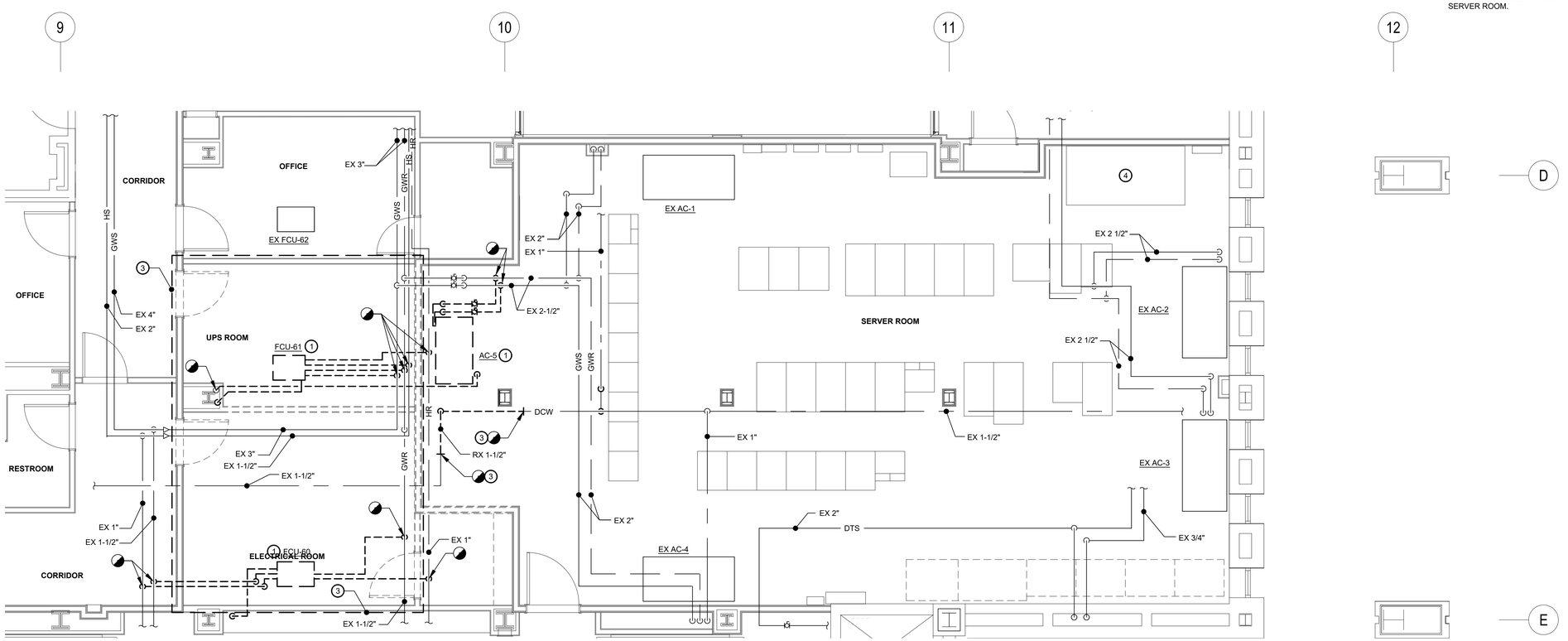
Plotted By: Denise Wilson | 4/10/2025 7:05 AM
ARL: G:\23102.01\Drawings\Acad\M\First Floor Part Plan - Ductwork - Demolition & New Work

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

○ DRAWING NOTES:

1. DEMOLISH EXISTING FAN COIL UNIT, PIPING AS INDICATED, AND ALL ASSOCIATED APPURTENANCES.
2. RE-ROUTE SECTION OF EXISTING 1-1/2" COLD WATER PIPING AWAY FROM NEW ELECTRICAL EQUIPMENT. REFER TO NEW WORK.
3. THIS AREA IS SERVED BY AN EXISTING WET-TYPE SPRINKLER SYSTEM. REMOVE ALL EXISTING SPRINKLER HEADS AND BRANCH PIPING TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.
4. EXISTING DRY AGENT FM200 SPRINKLER SYSTEM SERVING EXISTING SERVER ROOM.



1 MEZZANINE FLOOR PART PLAN - HVAC PIPING - DEMOLITION

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
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Mechanical / Electrical Engineers
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P- 410.323.0600
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SHEET DESIGNATION	CONTRACT NO.
M2.01	25030-P00

JOB ORDER NO.	
906388	
SHEET 19 OF 60	
DRAWING NO.	
2025-1378	
FILE NO. 8	REV.

BKM# 23102.01

SEAL

DATE : APRIL 10, 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. 18528, EXPIRATION DATE 07/27/2026	
ENGINEER: ANDREW ENDRES Burdette, koehler, Murphy & Assoc. Inc.	DGN BY: FAC
AS-BUILT PER RECORD PRINT	DWN BY: FAC
BY: DATE:	CHKD BY: BJD

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE	
PLAN SCALE:	
PROFILE SCALE:	

WATER	FIELD ENGINEER

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

MEZZANINE FLOOR PART PLAN – HVAC PIPING – DEMOLITION

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

ARL: G:\23102.01\Drawings\Acad\M\Mezzanine Floor Part Plan - HVAC Piping - Demolition & New Work

Plotted By: Denise Wilson | 3/6/2025 2:47 PM

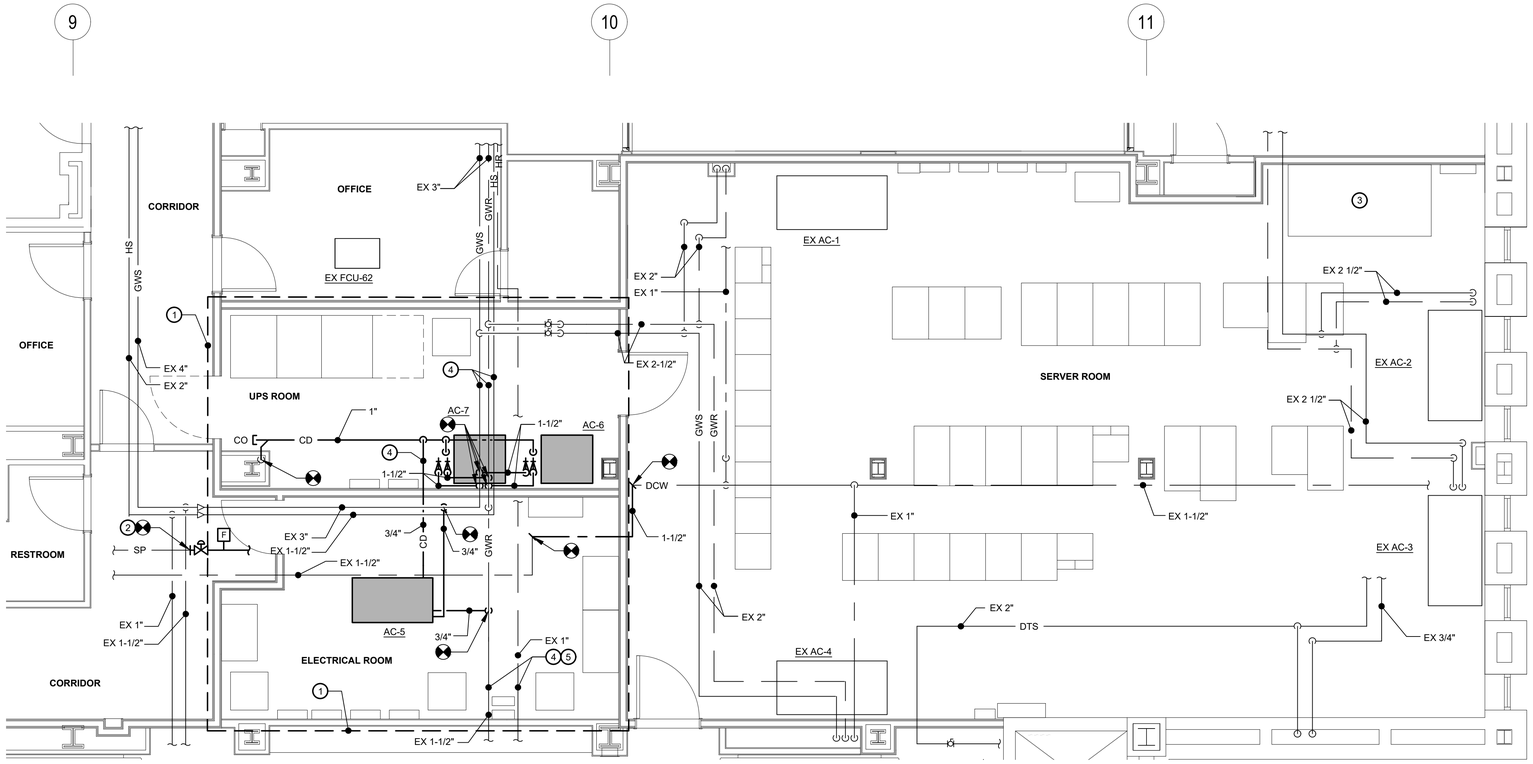
DWG FILENAME: 001A107

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

○ DRAWING NOTES:

1. PROVIDE COMPLETE SPRINKLER COVERAGE FOR THIS AREA. LOCATE SPRINKLER HEADS AND SIZE PIPING IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13, AND THE AUTHORITY HAVING JURISDICTION. SPRINKLER BRANCH PIPING SHALL NOT BE LOCATED ABOVE ELECTRICAL PANELS OR EQUIPMENT. ALL SPRINKLER HEADS IN THIS AREA SHALL BE UPRIGHT PENDANT AND PROVIDED WITH SPRINKLER HEAD GUARDS.
2. MODIFY EXISTING WET-TYPE SPRINKLER SYSTEM AND PROVIDE SPRINKLER VALVE WITH TAMPER SWITCH AND FLOW SWITCH ON THE SPRINKLER PIPING SERVING THIS AREA. THE SPRINKLER VALVE SHALL BE LOCATED EXTERIOR TO THE ROOM, ACCESSIBLE AND LABELED AS TO WHAT IT CONTROLS. TAMPER SWITCH AND FLOW SWITCH SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. COORDINATE WITH EXISTING SYSTEM VENDOR. APPROXIMATE LOCATION OF SPRINKLER VALVE IS SHOWN FOR REFERENCE. COORDINATE LOCATION WITH FIELD CONDITIONS. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.
3. EXISTING DRY AGENT FM200 SPRINKLER SYSTEM SERVING EXISTING SERVER ROOM.
4. PROVIDE DRIP PAN BENEATH EXISTING AND NEW OVERHEAD PIPING AS REQUIRED AT LOCATION OF ELECTRICAL EQUIPMENT. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
5. REMOVE, REINSTALL, AND/OR RELOCATE EXISTING PIPING AS REQUIRED TO ACCOMMODATE ELECTRICAL EQUIPMENT INSTALLATIONS AND CLEARANCES.



1 MEZZANINE FLOOR PART PLAN - HVAC PIPING - NEW WORK

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

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JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
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ARCHITECTURE

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P: 410.323.0600
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SHEET DESIGNATION	CONTRACT NO.
M2.02	25030-P00

JOB ORDER NO.
906388
SHEET 20 OF 60
DRAWING NO.
2025-1379
FILE NO. 8 REV

BKM# 23102.01

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

MEZZANINE FLOOR PART PLAN – HVAC PIPING – NEW WORK

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SEAL

STATE OF MARYLAND — ANDREW CHARLES ENDRES — No. 18528 — REGISTERED PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 18528, EXPIRATION DATE 07/27/2026.

ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: FAC
DWN BY: FAC
CHKD BY: BJD

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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: _____ DIRECTOR
DATE: _____

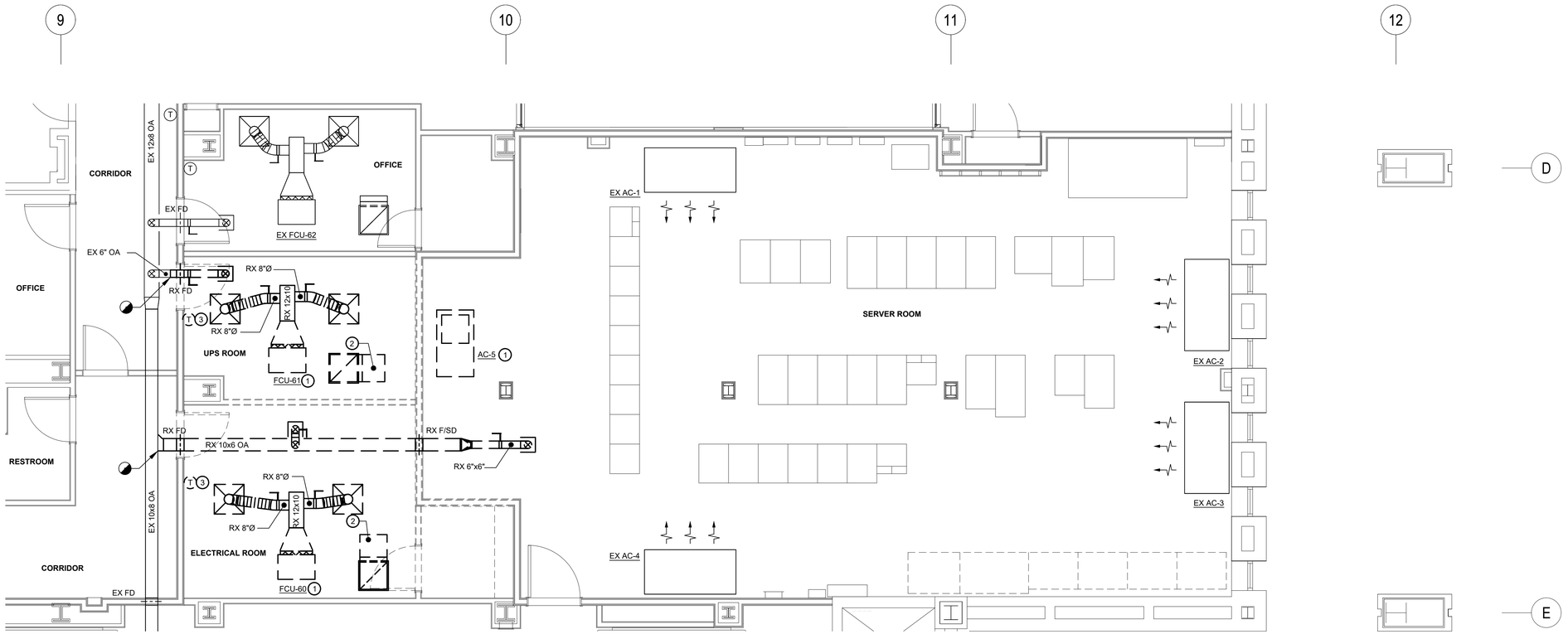
Plotted By: Denise Wilson | 3/6/2025 2:47 PM
ARL-G:\23102.01\Drawings\Acad\M\Mezzanine Floor Part Plan - HVAC Piping - Demolition & New Work

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

○ DRAWING NOTES:

1. DEMOLISH EXISTING UNIT AND ALL ASSOCIATED DUCTWORK AND APPURTENANCES.
2. REMOVE EXISTING CEILING RETURN GRILLE AND ASSOCIATED DUCTWORK.
3. DEMOLISH EXISTING WALL MOUNTED THERMOSTAT.



1 MEZZANINE FLOOR PART PLAN - DUCTWORK - DEMOLITION

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

N

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
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Mechanical / Electrical Engineers
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Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
M3.01	25030-P00

JOB ORDER NO. 906388

SHEET 21 OF 60

DRAWING NO. 2025-1380

FILE NO. 8

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MEZZANINE FLOOR PART PLAN – DUCTWORK – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SEAL

PROFESSIONAL CERTIFICATION
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LICENSE NO. 18528, EXPIRATION DATE 07/27/2026.
ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY: FAC
DWN BY: FAC
CHKD BY: ACE

DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

Plotted By: Denise Wilson | 3/6/2025 2:49 PM

ARL: G:\23102.01\Drawings\Acad\M\Mezzanine Floor Part Plan - Ductwork - Demolition & New Work

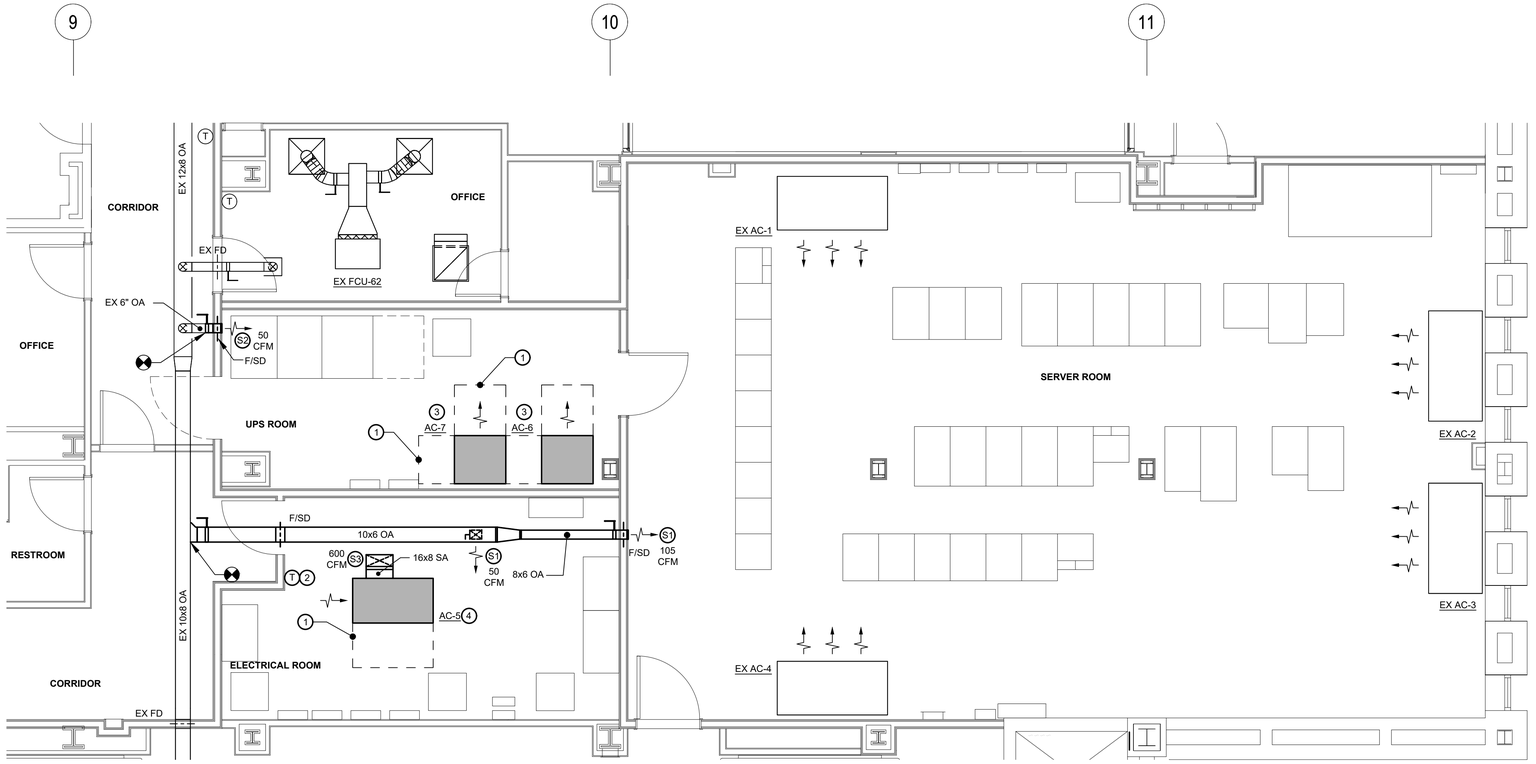
BKM# 23102.01

GENERAL NOTES:

1. REFER TO M0.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

○ DRAWING NOTES:

1. EQUIPMENT SERVICE CLEARANCE, TYPICAL.
2. PROVIDE NEW WALL MOUNTED CONTROLLER FOR AC-5.
3. NEW FLOOR MOUNTED VERTICAL CRAH UNIT. CONTRACTOR SHALL COORDINATE FINAL UNIT DESIGNATION WITH OWNER.
4. NEW CEILING MOUNTED HORIZONTAL CRAH UNIT. CONTRACTOR SHALL COORDINATE FINAL UNIT DESIGNATION WITH OWNER.



1 MEZZANINE FLOOR PART PLAN - DUCTWORK - NEW WORK

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

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AS-BUILT PER RECORD PRINT

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DATE:

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CHKD BY: ACE

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

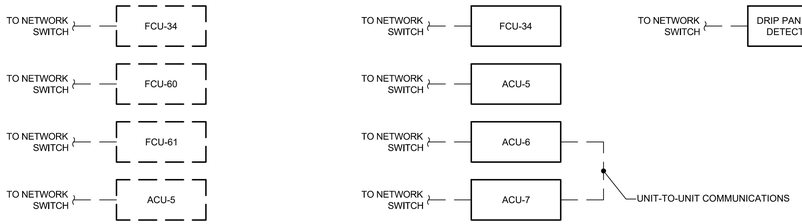
PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MEZZANINE FLOOR PART PLAN – DUCTWORK – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
M3.02	25030-P00
	JOB ORDER NO. 906388
	SHEET 22 OF 60
	DRAWING NO. 2025-1381
	FILE NO. 8 REV.

BKM# 23102.01

Plotted By: Denise Wilson | 3/6/2025 2:49 PM
ARL- G:\23102.01\Drawings\Asad\MMezzanine Floor Part Plan - Ductwork - Demolition & New Work



1 BAS NETWORK - DEMOLITION

SCALE: NONE

2 BAS NETWORK - NEW WORK

SCALE: NONE

POINTS COMMUNICATED VIA INTEGRATION

OBJECT TYPE	DESCRIPTION
AI	FAN SPEED
AI	RETURN AIR TEMPERATURE
AI	RETURN AIR TEMPERATURE SETPOINT
AI	RETURN AIR TEMPERATURE PROPORTIONAL BAND
AI	RETURN AIR TEMPERATURE DEAD BAND
AI	LOW/HIGH RETURN AIR TEMP ALARM SETPOINT
AI	DEW POINT
AI	DEW POINT SETPOINT
AI	DEW POINT PROPORTIONAL BAND
AI	DEW POINT DEAD BAND
AI	LOW/HIGH HUMIDITY ALARM SETPOINT
DI	UNIT STATUS (ON/OFF)
DI	COOLING STATUS (ON/OFF)
AI	COOLING CAPACITY
DI	ALARMS (ALL APPLICABLE)

NOTES:

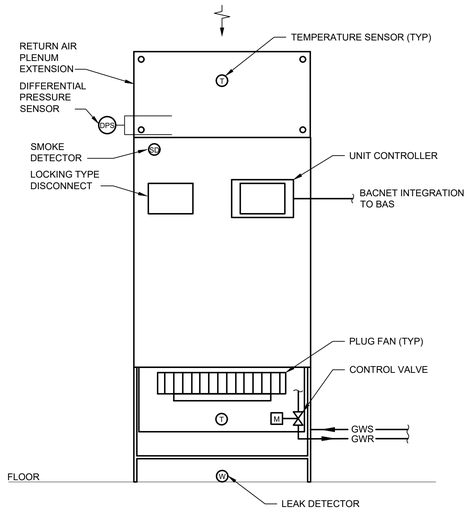
1. LISTED INTEGRATION POINTS ARE A MINIMUM GUIDELINE. FINAL INTEGRATION POINTS LIST SHALL BE REVIEWED AND COORDINATED WITH THE OWNER AND ENGINEER.

CEILING MOUNTED COMPUTER ROOM AIR HANDLING UNIT SEQUENCE OF OPERATION

1. GENERAL
   - 1.1. THE UNIT SHALL BE CONTROLLED VIA ITS ONBOARD PACKAGED CONTROLLER.
   - 1.2. THE UNIT SHALL BE CONNECTED TO THE BAS VIA ITS FACTORY MOUNTED IS-UNITY-DP CARD FOR MONITORING AND CONTROL OVERRIDE CAPABILITY
   - 1.3. THE UNIT SHALL OPERATE TO MAINTAIN A SPACE AIR TEMPERATURE OF 77°F (ADJ).
2. UNIT START/STOP
   - 2.1. THE UNIT SHALL RUN CONTINUOUSLY
   - 2.2. THE OPERATOR SHALL HAVE THE CAPABILITY TO OVERRIDE OPERATION OF THE UNIT FROM THE BAS.
3. SPACE TEMPERATURE CONTROL
   - 3.1. A MANUFACTURER PROVIDED WALL-MOUNTED CONTROLLER SHALL BE PROVIDED TO MAINTAIN SPACE TEMPERATURE.
   - 3.2. THE UNIT'S CONTROLLER SHALL MODULATE THE GLYCOL WATER VALVE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT OF 77°F (ADJ).
4. ALARMS
   - 4.1. AN ALARM SHALL BE ISSUED AT THE BAS WHENEVER AN ALARM CONDITION EXISTS AT THE LOCAL UNIT CONTROLLER. ALARMS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
     - 4.1.1. THE UNIT FAILS TO START WHEN COMMANDED ON
     - 4.1.2. LOSS OF AIRFLOW / FAN FAILURE
     - 4.1.3. SMOKE DETECTOR IN ALARM
     - 4.1.4. LEAK DETECTOR IN ALARM
     - 4.1.5. COIL VALVE POSITION FEEDBACK FAILURE
     - 4.1.6. HIGH / LOW RETURN AIR TEMPERATURE
     - 4.1.7. SENSOR FAILURE
     - 4.1.8. DIRTY FILTER
     - 4.1.9. LOSS OF COMMUNICATIONS

1 CEILING MOUNTED COMPUTER ROOM AIR HANDLING UNIT CONTROLS (AC-5)

SCALE: NONE



POINTS COMMUNICATED VIA INTEGRATION

OBJECT TYPE	DESCRIPTION
AI	SUPPLY AIR TEMPERATURE
AI	FAN SPEED
AI	COOLING CAPACITY
AI	RETURN AIR TEMPERATURE
AI	RETURN AIR DEW POINT
AI	FAN RUN HOURS
AI	SUPPLY AIR TEMPERATURE SETPOINT
AI	LOW/HIGH SUPPLY AIR TEMP ALARM SETPOINT
AI	UNIT MODE
DI	UNIT STATUS (ON/OFF)
DI	HIGH TEMP ALARM
DI	LOW TEMP ALARM
DI	LOSS OF POWER ALARM
DI	DIRTY FILTER ALARM
DI	LEAK DETECTION ALARM
DI	SMOKE DETECTOR ALARM
DI	ALARMS (ALL OTHER APPLICABLE)

NOTES:

1. LISTED INTEGRATION POINTS ARE A MINIMUM GUIDELINE. FINAL INTEGRATION POINTS LIST SHALL BE REVIEWED AND COORDINATED WITH THE OWNER.

FLOOR MOUNTED COMPUTER ROOM AIR HANDLING UNIT SEQUENCE OF OPERATION

1. GENERAL
   - 1.1. ONE UNIT SHALL PROVIDE SUFFICIENT COOLING CAPACITY FOR THE UPS ROOM UNDER NORMAL OPERATING CONDITIONS.
   - 1.2. EACH UNIT SHALL BE CONTROLLED VIA ITS ONBOARD PACKAGED CONTROLLER.
   - 1.3. EACH UNIT SHALL BE CONNECTED TO THE BAS VIA ITS ONBOARD PACKAGE CONTROLLER FOR MONITORING.
   - 1.4. EACH UNIT SHALL HAVE UNIT TO UNIT COMMUNICATION TO ALLOW FOR TEAMWORK MODE OPERATION THROUGH THE ONBOARD PACKAGED CONTROLLER.
2. UNIT START / STOP
   - 2.1. THE UNITS SHALL RUN CONTINUOUSLY.
3. AIRFLOW VOLUME CONTROL
   - 3.1. THE UNITS SHALL BE EQUIPPED WITH A VARIABLE SPEED FAN, CONTROLLED BY THE UNIT'S RETURN AIR TEMPERATURE SENSOR.
   - 3.2. THE FAN SPEED SHALL MODULATE TO MAINTAIN A RETURN AIR TEMPERATURE SETPOINT OF 77°F (ADJ).
4. RETURN AIR TEMPERATURE CONTROL
   - 4.1. THE UNITS SHALL BE EQUIPPED WITH A MODULATING TWO-POSITION GLYCOL WATER CONTROL VALVE, CONTROLLED BY THE UNIT'S RETURN AIR TEMPERATURE SENSOR.
   - 4.2. THE GLYCOL WATER CONTROL VALVE POSITION SHALL MODULATE TO MAINTAIN A RETURN AIR TEMPERATURE SETPOINT OF 77°F (ADJ).
5. POWER FAILURE
   - 5.1. UPON LOSS OF THE UNIT UTILITY POWER FEED, THE FAN SHALL SHUTDOWN UNTIL POWER IS RESTORED.
   - 5.2. UPON RESTORATION OF POWER, THE UNIT SHALL RESTART UTILIZING THE ONBOARD CONTROLLER'S QUICK START FEATURE.
6. ALARMS
   - 6.1. AN ALARM SHALL BE ISSUED AT THE BAS WHENEVER AN ALARM CONDITION EXISTS AT THE LOCAL unit CONTROLLER. ALARMS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
     - 6.1.1. THE UNIT FAILS TO START WHEN COMMANDED ON
     - 6.1.2. LOSS OF AIRFLOW / FAN FAILURE
     - 6.1.3. SMOKE DETECTOR IN ALARM
     - 6.1.4. LEAK DETECTOR IN ALARM
     - 6.1.5. COIL VALVE POSITION FEEDBACK FAILURE
     - 6.1.6. HIGH / LOW RETURN AIR TEMPERATURE
     - 6.1.7. HIGH / LOW SUPPLY AIR TEMPERATURE
     - 6.1.8. HIGH / LOW RETURN AIR DEW POINT
     - 6.1.9. SENSOR FAILURE (SUPPLY AIR, RETURN AIR)
     - 6.1.10. DIRTY FILTER
     - 6.1.11. LOSS OF COMMUNICATIONS

2 FLOOR MOUNTED COMPUTER ROOM AIR HANDLING UNIT CONTROLS (AC-6 & 7)

SCALE: NONE

GENERAL NOTES:

1. REFER TO M-00.01 FOR MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. REFER TO DRAWING CONVENTION LEGEND ON M-00.01 FOR DEMOLITION, EXISTING, NEW, AND FUTURE WORK CONVENTIONS.
3. THE BUILDING MANAGEMENT SYSTEM CONTRACTOR SHALL FURNISH ALL CONTROL AND MONITORING DEVICES TO PROVIDE A COMPLETE BUILDING MANAGEMENT SYSTEM (BMS).
4. ALL LABOR, MATERIAL, EQUIPMENT, AND SOFTWARE NOT SPECIFICALLY REFERRED TO HEREIN OR ON THE PLANS, THAT IS REQUIRED TO MEET THE FUNCTIONAL INTENT OF THE SPECIFICATIONS, SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE OWNER.

APRIL 10, 2025

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JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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SHEET DESIGNATION	CONTRACT NO.
M7.01	25030-P00

JOB ORDER NO. 906388

SHEET 23 OF 60

DRAWING NO. 2025-1382

FILE NO. 8 REV.

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MECHANICAL CONTROLS
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

PROPERTY MANAGEMENT
APPROVED BY: _____ DIRECTOR
DATE: _____

DRAWING SCALE
PLAN SCALE: _____
PROFILE SCALE: _____

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	NNW	38 NE 2
CONTRACT COMPLETION BOX					

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

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. 18528, EXPIRATION DATE 07/27/2026

ENGINEER: ANDREW ENDRES
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

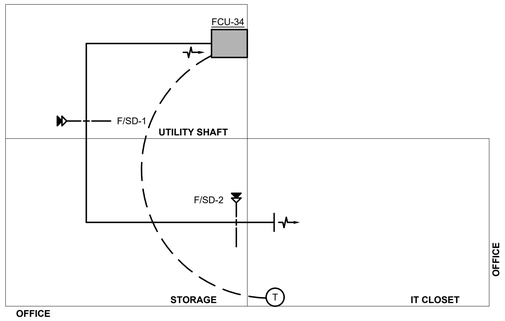
DGN BY: FAC
DWN BY: FAC
CHKD BY: BJD

SEAL

STATE OF MARYLAND — ANDREW CHARLES ENDRES — No. 18528 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 2025

ARL: Q:\23102.01\Drawings\Acad\M\Mechanical Controls
Plotted By: Denise Wilson | 3/6/2025 2:43 PM
DWG FILENAME: 001A107
BKM# 23102.01



POINTS COMMUNICATED VIA INTEGRATION

OBJECT TYPE	DESCRIPTION
AI	FAN SPEED
AI	SPACE TEMPERATURE
AI	UNIT MODE
AO	SPACE TEMPERATURE SETPOINT
AO	FAN SPEED
DI	GENERAL ALARM
DO	REMOTE UNIT START/STOP COMMAND
DO	REMOTE UNIT MODE COMMAND

NOTES:

1. LISTED INTEGRATION POINTS ARE A MINIMUM GUIDELINE. FINAL INTEGRATION POINTS LIST SHALL BE REVIEWED AND COORDINATED WITH THE OWNER AND ENGINEER.

FAN COIL UNIT SEQUENCE OF OPERATION

1. GENERAL
   - 1.1. THE FAN COIL UNIT HAS BEEN SIZED TO MATCH THE CAPACITY OF THE EXISTING FAN COIL UNIT SERVING THE IT CLOSET.
   - 1.4. THE FAN COIL UNIT SHALL BE CONTROLLED VIA ITS LOCAL PACKAGED CONTROLLER.
   - 1.5. THE FAN COIL UNIT SHALL BE CONNECTED TO THE BAS VIA ITS FACTORY MOUNTED BACNET INTERFACE MODULE FOR MONITORING AND CONTROL OVERRIDE CAPABILITY.
   - 1.6. THE F/SD-1 AND F/SD-2 END SWITCHES SHALL BE INTERLOCKED WITH THE FAN COIL UNIT OPERATION.
   - 1.7. THE F/SD-1 AND F/SD-2 SHALL FAIL CLOSED.
2. SPACE TEMPERATURE CONTROL
   - 2.1. THE FAN COIL UNIT SHALL OPERATE TO MAINTAIN A SPACE TEMPERATURE SETPOINT OF 75°F (ADJ) AS SENSED AT THE ASSOCIATED WALL MOUNTED REMOTE WIRED CONTROLLER THERMOSTAT. THE THERMOSTAT SHALL CONTROL TO A MINIMUM DEADBAND OF 2°F (ADJ).
3. LOSS OF AIRFLOW PATH
   - 3.1. IF F/SD-1 OR F/SD-2 CLOSES, THE FAN COIL UNIT SHALL BE COMMANDED TO SHUT DOWN AND BE DISABLED FROM OPERATION. A FAN COIL UNIT GENERAL ALARM SHALL BE ISSUED AT THE BAS.
   - 3.2. FAN COIL UNIT OPERATION SHALL BE AUTOMATICALLY RESTORED AS SOON AS BOTH F/SD-1 AND F/SD-2 OPEN.
4. ALARMS
   - 4.1. AN ALARM SHALL BE ISSUED AT THE BAS WHENEVER THE CONTROLS SYSTEM SENSES ANY OF THE FOLLOWING CONDITIONS:
     - 4.1.1. FAN COIL UNIT GENERAL ALARM
     - 4.1.2. HIGH SPACE TEMPERATURE ALARM
     - 4.1.3. LOW SPACE TEMPERATURE ALARM

1 **FAN COIL UNIT CONTROLS (FCU-34)**
SCALE: NONE

APRIL 10, 2025

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CHKD BY: ACE

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

KEY SHEET: NNW
POSITION SHT: 38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
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401 BOSLEY, TOWSON MARYLAND 21204
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ARCHITECTURE

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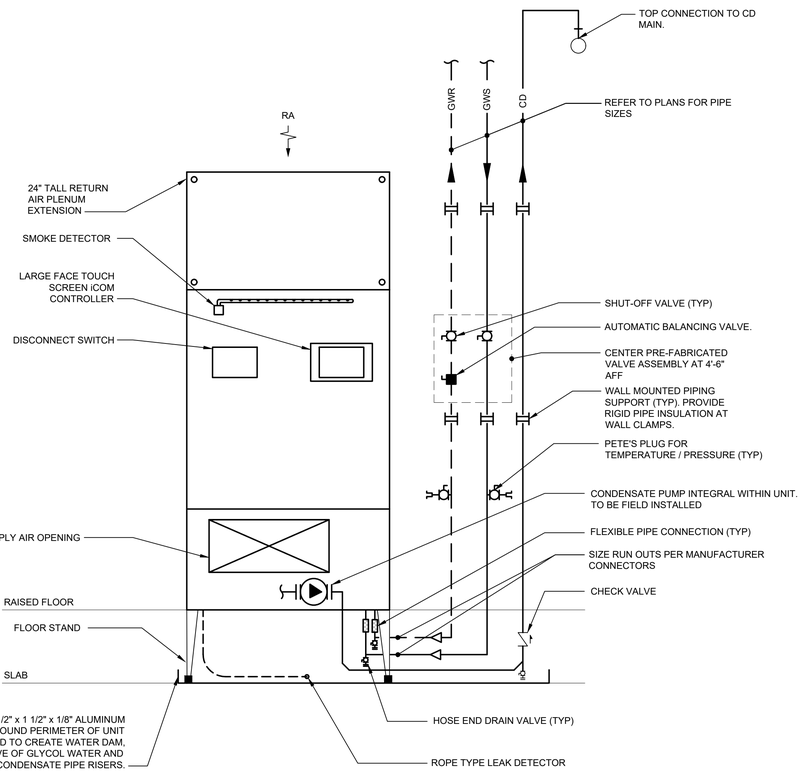
SHEET DESIGNATION	CONTRACT NO.
M7.02	25030-P00

JOB ORDER NO. 906388
SHEET 24 OF 60
DRAWING NO. 2025-1383
FILE NO. 8 REV.

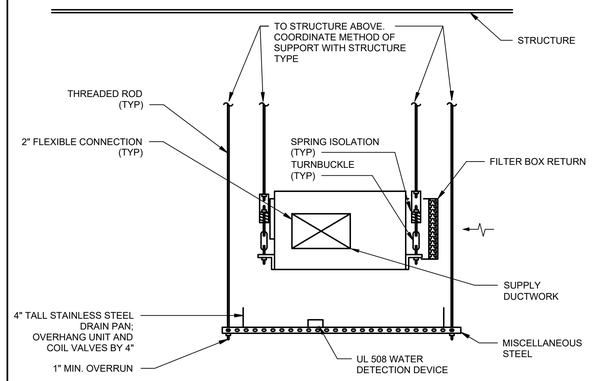
BKM# 23102.01

DWG FILENAME: 0014107

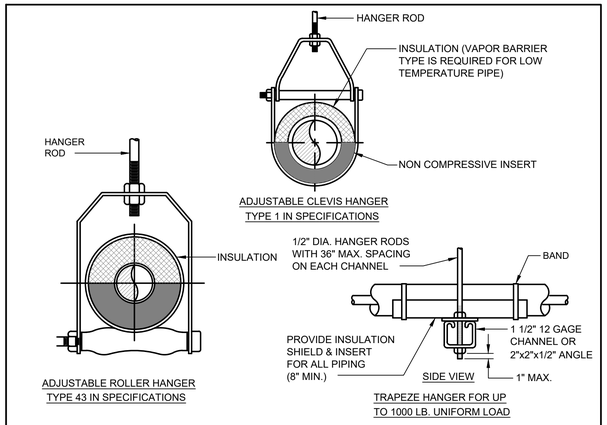
Plotted By: Denise Wilson | 3/6/2025 2:43 PM
ARL: G:\23102.01\Drawings\Acad\M\Mechanical Controls



1 DOWNFLOW CRAH UNIT CONNECTION DETAIL
NO SCALE



2 CEILING HUNG CRAH UNIT CONNECTION DETAIL
NO SCALE

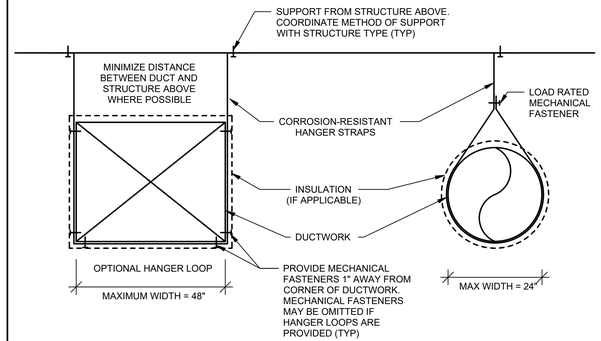


MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET													
NOM. SIZE	THRU 1/2"	1"	1-1/2"	1-3/4"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"
PIPE (FT)	7 FT	7	7	9	10	11	12	14	16	17	19	22	23	25
TUBING (FT)	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-

NOTES:

1. FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.
2. ALL SUPPORTS SHALL COMPLY WITH MSS.

3 PIPE HANGER DETAIL
NO SCALE



4 DUCTWORK HANGERS & SUPPORTS DETAIL
NO SCALE

ARL: G:\23102.01\Drawings\Acad\M\Mechanical Details

Plotted By: Denise Wilson | 3/6/2025 2:43 PM

DWG FILENAME: 001A107

SEAL

DATE : APRIL 10, 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. 18528, EXPIRATION DATE 07/27/2026.	
ENGINEER: ANDREW ENDRES Burdette, koehler, Murphy & Assoc. Inc.	DGN BY: FAC
AS-BUILT PER RECORD PRINT	DWN BY: FAC
BY: DATE:	CHKD BY: BJD

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE	
PLAN SCALE:	
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

MECHANICAL DETAILS

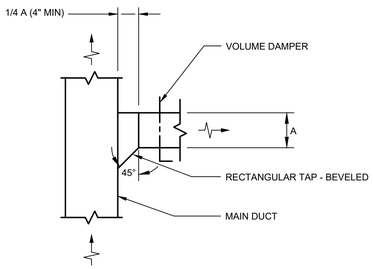
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

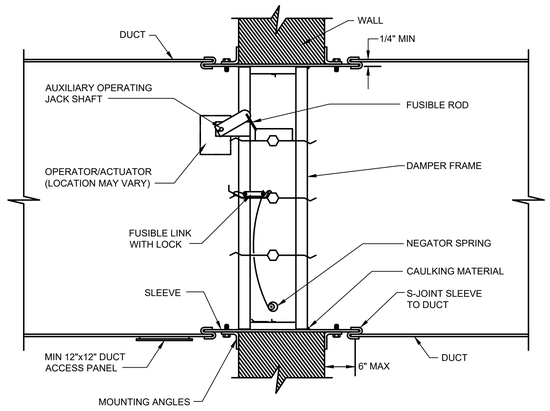
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
M8.01	25030-P00
	JOB ORDER NO. 906388
	SHEET 25 OF 60
	DRAWING NO. 2025-1384
	FILE NO. 8 REV.

BKM# 23102.01



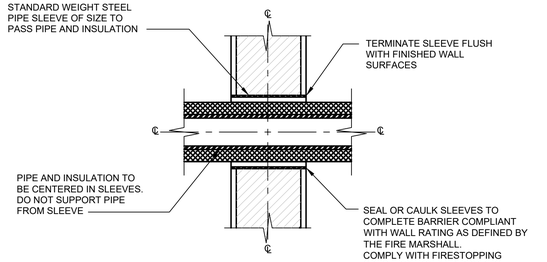
1 DUCT BRANCH DETAIL
NO SCALE



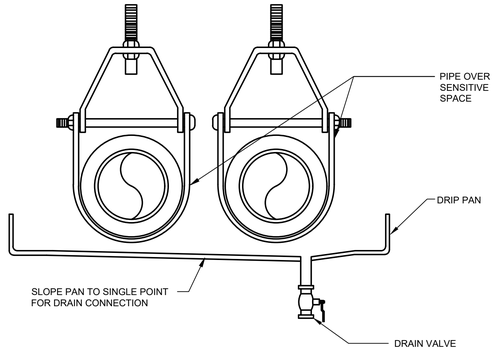
NOTES:

1. DUCT ACCESS DOORS SHALL BE PROVIDED TO ACCESS FIRE/SMOKE DAMPER AS WELL AS ASSOCIATED SMOKE DETECTOR, IF NOT ACCESSIBLE THROUGH AN OPEN ENDED DUCT.

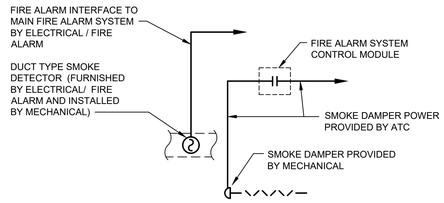
2 COMBINATION FIRE AND SMOKE DAMPER DETAIL
NO SCALE



3 PIPE SLEEVE DETAIL
NO SCALE



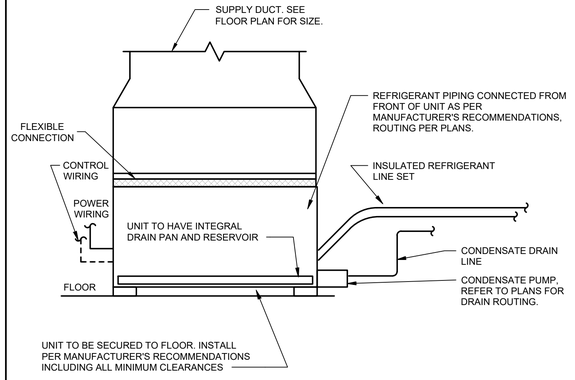
4 DRIP PAN DETAIL
NO SCALE



NOTES

1. SMOKE DAMPER SHALL CLOSE WHEN PRODUCTS OF COMBUSTION ARE SENSED BY ASSOCIATED DUCT TYPE SMOKE DETECTOR.
2. SMOKE DETECTOR SHALL BE INSTALLED WITHIN FIVE (5) FEET OF THE SMOKE DAMPER.
3. CONNECTIONS SHALL BE SIMILAR FOR COMBINATION FIRE / SMOKE DAMPERS.
4. COORDINATE DAMPER VOLTAGE WITH SMOKE DETECTOR RELAY VOLTAGE.

5 FIRE & SMOKE DAMPER CONNECTION DETAIL
NO SCALE



6 FLOOR MOUNTED INDOOR FAN COIL UNIT DETAIL
NO SCALE

DWG FILENAME: 001A1107

ARL: G:\23102.01\Drawings\Acad\M\Mechanical Details

Plotted By: Denise Wilson | 3/6/2025 2:43 PM

SEAL

DATE : APRIL 10, 2025

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LICENSE NO. 18528, EXPIRATION DATE 07/27/2026.

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AS-BUILT PER RECORD PRINT

BY:
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BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
REVIEWED BY:							
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DRAWING SCALE
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APPROVED BY: DIRECTOR
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UPS REPLACEMENT

MECHANICAL DETAILS

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

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SHEET DESIGNATION	CONTRACT NO.
M8.02	25030-P00
JOB ORDER NO.	906388
SHEET 26 OF 60	
DRAWING NO.	2025-1385
FILE NO. 8	REV.

BKM# 23102.01

PIPE INSULATION SCHEDULE

SYSTEM	LOCATION	PIPE SIZE	TYPE	THICKNESS	MAXIMUM K-VALUE AT 75° F	JACKET		NOTES
						TYPE	COLOR	
GLYCOL WATER	INDOOR	6" AND SMALLER	FIBERGLASS	1-1/2"	0.29	ASJ	MATCH EXISTING	ALL
DOMESTIC COLD WATER	INDOOR	ALL SIZES	FIBERGLASS	1"	0.24	ASJ	MATCH EXISTING	ALL
A/C CONDENSATE	INDOOR	ALL SIZES	FIBERGLASS	1/2"	0.24	ASJ	MATCH EXISTING	ALL

NOTES:
1. REFER TO SPECIFICATION SECTION 23 07 00 - HVAC INSULATION FOR ADDITIONAL REQUIREMENTS.
2. ASJ (ALL SERVICE JACKET) SHALL INCLUDE VAPOR RETARDER
3. ALL PIPE INSULATION SHALL BE PAINTED TO MATCH THE EXISTING COLOR FOR EACH SYSTEM. COORDINATE EXACT COLOR WITH OWNER.
4. INSULATION SHALL BE CONTOURED TO THE SHAPE OF THE EQUIPMENT / DEVICE.

COMPUTER ROOM AIR HANDLING UNIT SCHEDULE

DESIG	SERVICE	UNIT CONFIGURATION	SUPPLY FAN DATA				COOLING COIL DATA											ELECTRICAL DATA				BASIS OF DESIGN	BRANCH PIPE SIZE (IN)	NOTES
			TOTAL CFM	ESP (IN. WG)	QUANTITY	MOTOR (KW)	CAPACITY (MBH)		EAT (°F)		LAT (°F)		GPM	MAX PD (FT)	EWT (°F)	LWT (°F)	FLUID	FLA	MOCP	V / PH / HZ	POWER CONNECTION			
							TOTAL	SENSIBLE	DB	WB	DB	WB												
AC-5	M-14	HORIZONTAL	600	0.10	1	0.15	9.41	9.41	77.0	61.6	62.0	56.1	1.81	5.90	42.0	54.0	40% PG	1.4 A	15 A	208 / 1 / 60	SINGLE	VERTIV MMD23C	3/4"	1-5
AC-6	M-15	FRONT SUPPLY TOP RETURN	2000	0.20	1	0.70	33.0	33.0	77.0	61.6	61.2	55.7	6.48	5.5	42.0	54.0	40% PG	3.0 A	15 A	460 / 3 / 60	SINGLE	VERTIV PCW011	1-1/2"	1, 5-11
AC-7	M-15	FRONT SUPPLY TOP RETURN	2000	0.20	1	0.70	33.0	33.0	77.0	61.6	61.2	55.7	6.48	5.5	42.0	54.0	40% PG	3.0 A	15 A	460 / 3 / 60	SINGLE	VERTIV PCW011	1-1/2"	1, 5-11

NOTES:
1. REFER TO SPECIFICATION SECTION 23 81 23 - COMPUTER ROOM AIR CONDITIONING UNITS FOR ADDITIONAL REQUIREMENTS
2. UNIT TO BE CEILING HUNG
3. PROVIDE DRIP PAN UNDERNEATH UNIT.
4. PROVIDE MERV 8 FILTER BOX INTEGRAL TO UNIT.
5. PROVIDE ROPE TYPE LEAK DETECTION.
6. DOWNFLOW CONFIGURATION WITH FRONT DISCHARGE.
7. PROVIDE 24" HIGH RETURN AIR PLENUM EXTENSION.
8. PROVIDE ADJUSTABLE FLOOR STAND INTEGRAL TO UNIT.
9. PROVIDE INTEGRAL CONDENSATE PUMP.
10. PROVIDE WITH UNIT MOUNTED SUPPLY AND RETURN AIR TEMPERATURE SENSORS.
11. PROVIDE WITH SMOKE DETECTOR INTEGRAL TO UNIT.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

AREA SERVED	DESIGNATION		CFM	UNIT TYPE	EFFICIENCY (SEER)	REFRIGERANT	COOLING	ELECTRICAL				BASIS OF DESIGN			NOTES
	INDOOR UNIT	OUTDOOR UNIT					TOTAL MBH	MCA	VOLTS	PHASE	MOCP (A)	MANUFACTURER	INDOOR UNIT MODEL	OUTDOOR UNIT MODEL	
IT CLOSET	FCU-34	CU-34	400	DX	21.4	R-454B	12.0	11.0	208	1	28.0	MITSUBISHI	PVA-AA12NL	PUY-AK12NL	ALL

NOTES:
1. REFER TO SPECIFICATION SECTION 23 81 26 - SPLIT SYSTEM AIR CONDITIONING UNITS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE OUTDOOR UNIT WITH WALL MOUNT KIT.
3. PROVIDE INDOOR UNIT WITH PROCON BACNET INTERFACE MODULE.
4. PROVIDE UNIT WITH COMBINATION FIRE AND SMOKE DAMPER INTERLOCKING CAPABILITY.
5. PROVIDE UNIT WITH PAR-40MAAU WIRED REMOTE CONTROLLER.
6. PROVIDE OUTDOOR UNIT WITH WIND BAFFLE KIT.
7. PROVIDE UNIT WITH PRE-INSULATED LINE SET REFRIGERANT PIPING.
8. PROVIDE OUTDOOR UNIT WITH DEFROST HEATER.
9. UNIT SHALL BE CONFIGURED FOR COOLING ONLY OPERATION.
10. UNIT CAPACITY SHALL BE AT 75°F / 50% RH RETURN AIR AND 95°F OUTDOOR AIR TEMPERATURE.

AIR DEVICE SCHEDULE

DESIG	SYSTEM	SIZE (IN)	CFM RANGE	NECK SIZE (IN)	MAX SP (IN WG)	MAX NC	DESCRIPTION	BASIS OF DESIGN	NOTES
S1	SUPPLY	8x6	0 - 105	8x6	0.10	20	SINGLE DEFLECTION GRILLE	TITUS 111RL	1
S2	SUPPLY	6 Ø	0 - 50	6 Ø	0.10	20	SINGLE DEFLECTION GRILLE	TITUS R-300F	1
S3	SUPPLY	16x8	0 - 600	18x8	0.10	20	DOUBLE DEFLECTION GRILLE	TITUS 112RL	1
S4	SUPPLY	12x12	0 - 400	12x12	0.10	20	DOUBLE DEFLECTION GRILLE	TITUS 112RL	1

NOTES:
1. REFER TO SPECIFICATION SECTION 23 37 00 - AIR OUTLETS AND INLETS FOR ADDITIONAL REQUIREMENTS.

DUCTWORK INSULATION SCHEDULE

SYSTEM	AREA SERVED	SPACE	DUCT SIZE (IN x IN)	TYPE	THICKNESS	MINIMUM R-VALUE	MEAN K-VALUE AT 75°F	JACKET		NOTES
								TYPE	COLOR	
OUTSIDE AIR	M15 & SERVER ROOM	CONDITIONED	ALL SIZES	RIGID FIBERGLASS	1"	0.27	0.27	ASJ	MATCH EXISTING	1
SUPPLY AIR	M-14 & IT CLOSET	CONDITIONED	ALL SIZES	RIGID FIBERGLASS	1"	0.27	0.27	ASJ	MATCH EXISTING	1

NOTES:
1. REFER TO SPECIFICATION SECTION 23 07 00 - HVAC INSULATION FOR ADDITIONAL REQUIREMENTS.

APRIL 10, 2025

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SEAL

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R.O.W NO.
CONTRACT COMPLETION BOX

KEY SHEET: NNW
POSITION SHT: 38 NE 2

BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
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DRAWING SCALE
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MECHANICAL SCHEDULES
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
M9.01	25030-P00

JOB ORDER NO. 906388
SHEET 27 OF 60
DRAWING NO. 2025-1386
FILE NO. 8 REV.

BKM# 23102.01

DWG FILENAME: 0014107

ARL: G:\23102.01\Drawings\Acad\M\Mechanical Schedules
Plotted By: Denise Wilson | 3/6/2025 2:44 PM

ELECTRICAL LEGEND & ABBREVIATIONS

- # — DRAWING NOTE (APPLIES TO THIS DRAWING ONLY)
- DETAIL, SECTION OR ELEVATION NUMBER / DRAWING NUMBER
- REVISION NUMBER - CLOUDED AREA ON DRAWING CONTAINS REVISION
- INDICATES TWO SWITCHED LEVELS OF ILLUMINATION PROVIDED BY THIS FIXTURE
- CONNECT TWO OUTBOARD LAMPS TO ONE SWITCH
- CONNECT REMAINING LAMP(S) TO SECOND SWITCH (DARKENED AREA INDICATES CONNECTION TO EMERGENCY LIGHTING CIRCUIT)
- A — UPPER CASE - FIXTURE TYPE (TYPICAL FOR ALL LIGHTING FIXTURES) - SEE LIGHTING FIXTURE SCHEDULE
- LIGHTING FIXTURE; DOWNLIGHT, 2' x 4' & 2' x 2'
- a — LOWER CASE - INDICATES CONTROLLING SWITCH(ES) (TYPICAL FOR ALL LIGHTING FIXTURES)
- FLUORESCENT LIGHTING FIXTURE
- FLUORESCENT LIGHTING FIXTURE, INDUSTRIAL TYPE
- LIGHTING FIXTURE (NIGHT LIGHT)
- LIGHTING FIXTURE, WALL WASHER - SEE LIGHTING FIXTURE SCHEDULE
- LIGHTING FIXTURE, WALL MOUNTED - SEE LIGHTING FIXTURE SCHEDULE
- EXIT LIGHT - DARKENED SECTION INDICATES FACE WITH DIRECTIONAL ARROWS AS INDICATED - SEE LIGHTING FIXTURE SCHEDULE
- SELF-CONTAINED, BATTERY POWERED EMERGENCY LIGHT WITH TWIN LAMPHEAD - SEE LIGHTING FIXTURE SCHEDULE
- $ — TOGGLE SWITCH TO BE DEMOLISHED
- S_a — SINGLE POLE TOGGLE SWITCH - SUBSCRIPT INDICATES FIXTURES CONTROLLED BY THE SWITCH (TYPICAL FOR ALL LIGHTING SWITCHES)
- S_a^3 — THREE WAY TOGGLE SWITCH
- S_D^a — DIMMER SWITCH. SUPERSCRIPT INDICATES FIXTURE IS CONTROLLED BY THE SWITCH.
- OS OS — OCCUPANCY SENSOR. WALL: LEVITON SERIES ODS15-ID OR APPROVED EQUAL. CEILING MOUNTED: LEVITON SERIES OSC15-10W OR APPROVED EQUAL.
- PP — POWER PACK FOR OCCUPANCY SENSOR
- C — CLOCK OUTLET, 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- RACEWAY - 2 #12 + #12 GW IN 3/4" CONDUIT, U.O.N.
- HOMERUN TO PANELBOARD - ARROWS INDICATE NUMBER OF CIRCUITS SLASHES INDICATE CIRCUIT CONDUCTORS NO SLASH INDICATES TWO CIRCUIT CONDUCTORS PROVIDE GROUNDING CONDUCTOR, NOT SHOWN
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- J J J — JUNCTION BOX: CEILING, WALL OR FLUSH-FLOOR MOUNTED
- CR — CARD READER. PROVIDE EMPTY JUNCTION BOXES AND RACEWAY ROUGH-IN AS SHOWN ON ACCESS CONTROL SYSTEM CARD READER DETAIL.
- DC — DOOR CONTACT. PROVIDE EMPTY JUNCTION BOX AND RACEWAY ROUGH-IN AS SHOWN ON DOOR ALARM CONTACT DETAIL.
- NC — NETCLOCK DATA OUTLET. 6" BELOW CEILING OR AS INDICATED. PROVIDE EMPTY 1900 BOX WITH SINGLE GANG EXTENSION WITH 1" CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE WITH PULL STRING. CABLE, JACKS, AND FACEPLATE PROVIDED BY OTHERS.

ELECTRICAL LEGEND & ABBREVIATIONS

- $\times_{15}$ — FIRE ALARM VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER. DEVICES INSTALLED AT CEILING AS NOTED ON DRAWINGS.
- 15 — FIRE ALARM HORN WITH VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER. DEVICES INSTALLED AT CEILING AS NOTED ON DRAWINGS.
- FIRE ALARM SYSTEM SMOKE DETECTOR
- TELEPHONE TERMINAL BOARD
- S S — SPEAKER, CEILING OR WALL MOUNTED
- PANELBOARD, RECESSED OR SURFACE MOUNTED
- R56 GROUND BUS BAR AS INDICATED
- E G — ENGINE-DRIVEN GENERATOR
- GFI WP — DUPLEX RECEPTACLE - 2P, 3W, 2OA, 125V, NEMA 5-2OR IN RECESSED OUTLET BOX, 18" A.F.F., U.O.N.:
  - "x" NUMERIC DENOTES MOUNTING HEIGHT.
  - AV - AUDIO/VISUAL CABINET
  - CP - COPIER
  - D- DESKTOP
  - DW - DISHWASHER
  - FX - FAX MACHINE
  - G - GENERAL PURPOSE
  - GFI - GROUND FAULT CIRCUIT INTERRUPTER IG - ISOLATED GROUND
  - MW - MICROWAVE
  - NC - NETCLOCK - 6" BELOW CEILING OR AS INDICATED
  - P - PRINTER
  - PC - COMPUTER
  - RE - REFRIGERATOR
  - TV - TELEVISION - 6" BELOW CEILING OR AS INDICATED
  - UPS - SUPPLIED BY UPS CIRCUIT
  - WP - WEATHERPROOF
- DUPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTERTOP BACK SPLASH UNLESS OTHERWISE NOTED
- DUPLEX RECEPTACLE - 2P, 3W, 2OA, 125V, NEMA 5-2OR IN RECESSED OUTLET BOX, SURFACE MOUNTED, 18" A.F.F., U.O.N.
- TWO DUPLEX RECEPTACLES WITH COMMON FACEPLATE 2P, 3W, 2OA, 125V, NEMA 5-2OR IN RECESSED TWO-GANG OUTLET BOX, 18" A.F.F., U.O.N.
- TWO DUPLEX RECEPTACLES WITH COMMON FACEPLATE IN RECESSED OUTLET BOX, SURFACE MOUNTED, 18" A.F.F., U.O.N.
- SINGLE RECEPTACLE RECESSED OUTLET BOX, 18" A.F.F., U.O.N.
- MULTI-OUTLET ASSEMBLY
- CCTV CAMERA. PROVIDE EMPTY SINGLE GANG BOX WITH 3/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE WITH PULL STRING. CABLE, CAMERA, AND FACEPLATE PROVIDED BY OTHERS. COORDINATE LOCATION WITH CAMERA INSTALLER.
- SPD 2A — SURGE PROTECTION DEVICE. MOTOROLA R56 TYPE 2A.
- # # — SPECIAL RECEPTACLE OR EQUIPMENT CONNECTION (TYPE AS NOTED). REFER TO SERVER ROOM EQUIPMENT SCHEDULES AND DISPATCH STATION EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION.
- ELECTRICAL MOTOR
- S_M — MOTOR SWITCH WITH THERMAL OVERLOAD
- COMBINATION MAGNETIC MOTOR STARTER WITH MCP OR FUSIBLE DISCONNECT SWITCH
- MAGNETIC MOTOR CONTROLLER/STARTER
- F 100/80 — FUSED DISCONNECT SWITCH, UPPER NUMERAL INDICATES SWITCH SIZE, LOWER NUMERAL INDICATES FUSE SIZE
- 60 — NONFUSED DISCONNECT SWITCH, NUMERAL INDICATES SIZE

ELECTRICAL ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASYM	ASYMMETRICAL
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
CX	CONNECT TO EXISTING
DB	DIRECT BURIAL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EGB	EXTERNAL GROUND BUS BAR
ELEC	ELECTRIC / ELECTRICAL
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FA	FIRE ALARM
FAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDR	FEEDER
F	FUSED OR FUSIBLE
FLA	FULL LOAD AMPERES
FSS	FUSED SAFETY SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GW	GROUND WIRE
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IPGB	INTERNAL PERIMETER GROUND BUS (CONDUCTOR) (R56)
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MGB	MASTER GROUND BUS BAR
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MT HT	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUF. ASSOC.
NF	NON-FUSED
NFSS	NON-FUSED SAFETY SWITCH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PH or ∅	PHASE
P	POLE
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RDC	REMOTE DISTRIBUTION CABINET
RM	ROOM
RX	REMOVE EXISTING
SW	SWITCH
SCHED	SCHEDULE
SD	SMOKE DAMPER
SEC	SECONDARY
SFA	SPRINKLER FLOW ALARM
SPD	SURGE PROTECTIVE DEVICE
SS	SAFETY SWITCH
SSGB	SUBSYSTEM GROUND BUS BAR (R56)
SYM	SYMMETRICAL
TEL	TELEPHONE
TGB	TOWER GROUND BUS BAR
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SYSTEM
V	VOLT
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE COMPLETE AND OPERABLE SYSTEMS AS DETAILED ON PLANS AND SPECIFICATIONS TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. COORDINATE ALL WORK WITH THE OWNER BEFORE THE START OF WORK. ALL WORK SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR LICENSED IN THE STATE OF MARYLAND THAT HAS PREVIOUSLY PERFORMED WORK OF THIS SIZE AND TYPE.
2. INFORMATION SHOWN ON THE DRAWINGS PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITION IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
3. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION.
4. ALL EQUIPMENT AND CONDUIT ROUTING SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO SHOW ALL REQUIRED JUNCTION BOXES, OFFSETS AND BENDS. COORDINATE CONDUIT ROUTING WITH OTHER TRADES AND EXISTING FIELD CONDITIONS.
5. UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS, ALL RACEWAYS SHALL BE INSTALLED CONCEALED IN CEILINGS AND WALLS OR PARTITIONS OF THE BUILDING, AND IN SUCH A MANNER AS NOT TO IMPAIR THE INTEGRITY OF THE STRUCTURE.
6. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. ALL CURRENT CARRYING CONDUCTORS FOR EQUIPMENT SHALL BE COPPER.
8. ALL DEVICE HEIGHT/ELEVATION DIMENSIONS ARE TO THE CENTER OF THE DEVICE UNLESS NOTED OTHERWISE.
9. NOTE: THE EXISTING 911 CENTER WAS DESIGNED AND COMMISSIONED IN COMPLIANCE WITH THE MOTOROLA R56 STANDARDS AND GUIDELINES FOR COMMUNICATION SITES. SPECIAL REQUIREMENT: IN ADDITION TO ALL OTHER CODES AND STANDARDS, ALL WORK, MATERIALS, AND METHODS ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE MOTOROLA R56 STANDARDS AND GUIDELINES FOR COMMUNICATION SITES. THIS ADDS SIGNIFICANT REQUIREMENTS OVER AND ABOVE WHAT IS REQUIRED FOR A "TYPICAL" (I.E. NON MOTOROLA RADIO SITE) BUILDING. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THIS DOCUMENT DURING THE BID PROCESS AND FOR INCLUDING ALL ASSOCIATED COST IN THE BID PRICE.
10. REFER TO DRAWING E7.01 FOR PROJECT PHASING NOTES.

DEMOLITION NOTES (APPLICABLE FOR ALL PROJECT DEMOLITION):

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ELECTRICAL EQUIPMENT AND DEVICES WITHIN DEMOLITION AREA SHOWN TO BE DEMOLISHED OR RELOCATED, SHALL BE DEMOLISHED ALONG WITH ALL, ASSOCIATED FEEDER/BRANCH CIRCUITS, AND CONDUITS UNLESS OTHERWISE NOTED. WIRING SHALL BE REMOVED BACK TO SOURCE.
3. EXISTING ELECTRICAL SYSTEMS PASSING THROUGH AREAS OF DEMOLITION TO SERVE EQUIPMENT BEYOND THE DEMOLITION AREAS SHALL REMAIN IN SERVICE, OR BE SUITABLY RELOCATED AND RESTORED TO NORMAL OPERATION, THROUGHOUT THE DEMOLITION AND RECONSTRUCTION OF THE AREA. THE CONTRACTOR SHALL INVESTIGATE AND IDENTIFY SUCH EQUIPMENT PRIOR TO DEMOLITION.
4. PROVIDE TEMPORARY ELECTRICAL SERVICE TO EQUIPMENT DISTURBED BY THE DEMOLITION UNTIL SUCH TIME AS THE PERMANENT SERVICE CAN BE RESTORED.
5. WHERE CONDUIT AND WIRING TO REMAIN ARE INADVERTENTLY DAMAGED OR DISTURBED, CUT OUT AND REMOVE DAMAGED PORTION AND ALL DAMAGED WIRING FROM THE SOURCE SWITCHBOARD, PANELBOARD OR PULLBOX TO THE DESTINATION CONNECTION POINT. PROVIDE NEW WIRING OF EQUAL CAPACITY.
6. EXPOSED CONDUIT TO BE DEMOLISHED SHALL BE REMOVED IN ITS ENTIRETY. CONCEALED CONDUIT, ABANDONED IN PLACE, SHALL BE CUT OUT APPROXIMATELY TWO INCHES BEYOND THE FACE OF ADJACENT CONSTRUCTION, PLUGGED, AND THE ADJACENT SURFACE PATCHED TO MATCH EXISTING.
7. WIRING TO BE DEMOLISHED SHALL BE REMOVED FROM BOTH CONCEALED AND EXPOSED CONDUIT. NO WIRING WHICH BECOMES UNUSED AS A RESULT OF THE CONTRACT SHALL BE ABANDONED IN PLACE.
8. EQUIPMENT SPECIFIED OR INDICATED TO BE DEMOLISHED, SHALL BE REMOVED FROM THE PROJECT SITE AND SHALL NOT BE REUSED.
9. ANY OUTAGES IN SYSTEMS SHALL BE COORDINATED WITH THE OWNER. WHERE DURATION OF PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN SERVICE.
10. PROVIDE TEMPORARY POWER DURING CONSTRUCTION.
11. FIELD TRACE AND DOCUMENT ALL POWER, FIRE ALARM, VOICE/DATA AND SPECIAL SYSTEM DEVICES LOCATED WITHIN THE PROJECT AREA. IDENTIFY SOURCE ORIGIN AND RACEWAY/CABLE ROUTING. PROVIDE THIS INFORMATION TO THE OWNER DURING THE DEMOLITION PHASE OF THE PROJECT.
12. MODIFY EXISTING SUPPLY CIRCUIT TO RESUPPLY ALL EXISTING-TO-REMAIN DEVICES AFFECTED BY WORK PERFORMED AS PART OF THIS PROJECT.

NOTE:

1. SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT.

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

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Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SEAL — DAVID MASON WETZEL, STATE OF MARYLAND, NO. 30474, PROFESSIONAL ENGINEER
DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027.
ENGINEER: DAVID WETZEL — Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY DMW | DWN BY DCW | CHKD BY DMW

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

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON — ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
E0.01	25030-P00

JOB ORDER NO. 906388
SHEET 28 OF 60
DRAWING NO. 2025-1387
FILE NO. 8 REV.

BKM# 23102.01

DWG FILENAME: 001A107

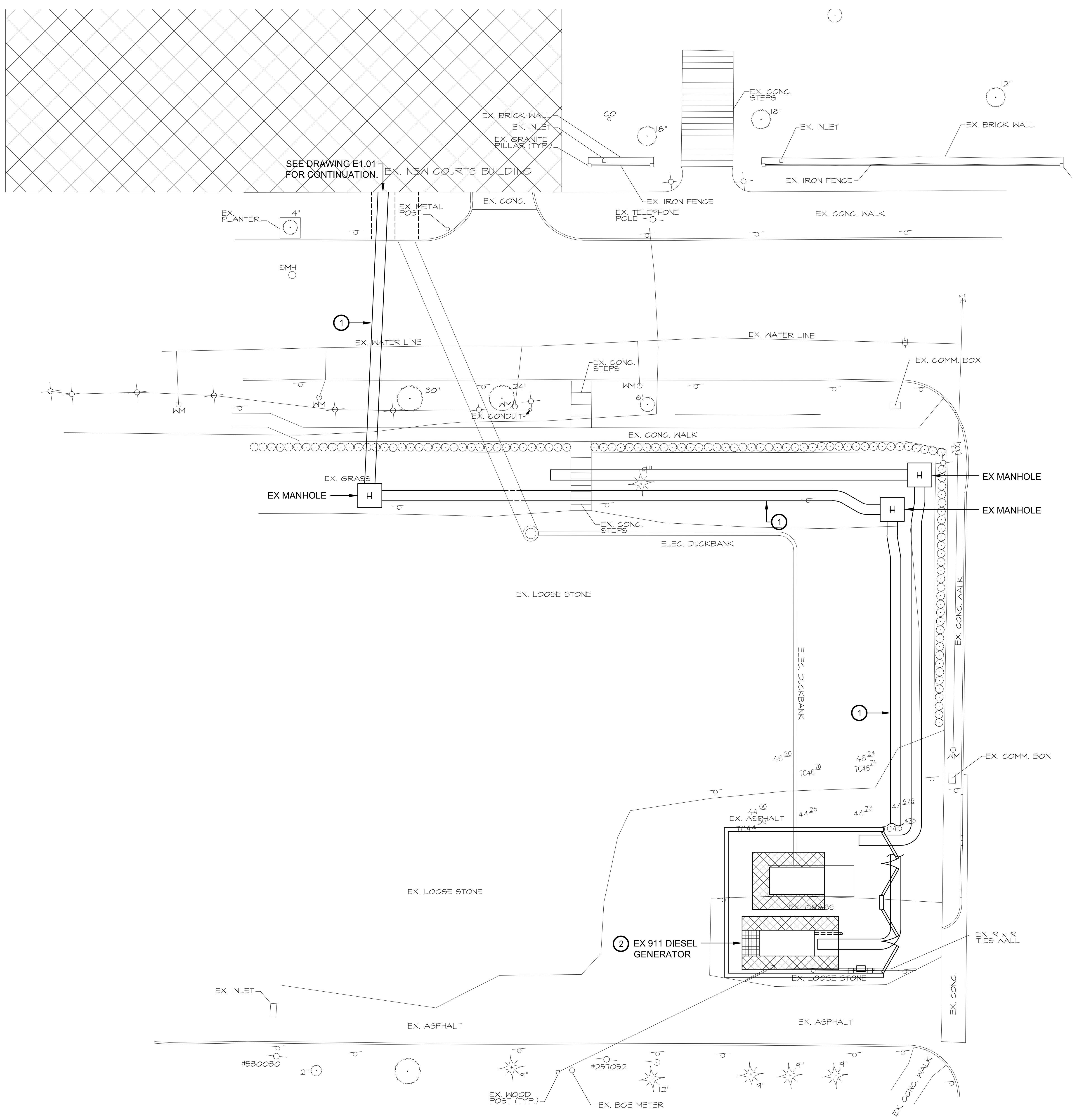
Plotted By: Dentsa Wilson | 3/6/2025 4:35 PM
ARL: G:\23102.01\Drawings\Acad\E\E001

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

DRAWING NOTES:

1. PROVIDE GENERATOR STARTING CIRCUIT FROM ATS B TO EXISTING 911 DIESEL GENERATOR IN EXISTING CONCRETE ENCASED DUCTBANK.
2. CONNECT NEW ATS B GENERATOR STARTING CIRCUIT (FEEDER NO. F350) TO EXISTING 911 DIESEL GENERATOR.



1 SITE PLAN - ELECTRICAL - NEW WORK

SCALE: 1" = 20'-0"

0 10' 20' 30' 40' 60'
SCALE: 1" = 20'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

JMT ARCHITECTURE

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Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
E0.02	25030-P00
	JOB ORDER NO. 906388
	SHEET 29 OF 60
	DRAWING NO. 2025-1388
	FILE NO. 8

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

911 CENTER - CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

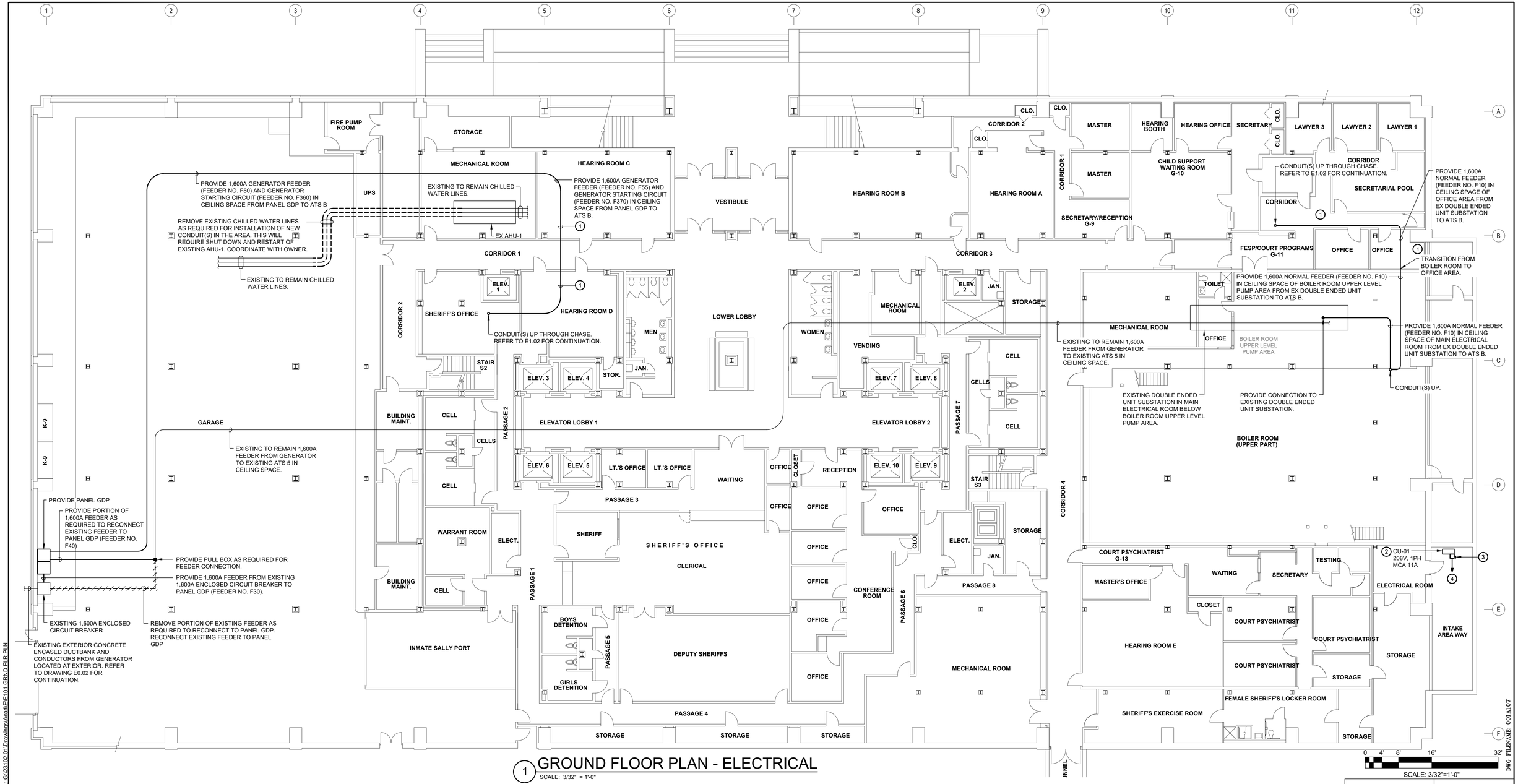
SITE PLAN - ELECTRICAL - NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

ELECT. DISTRICT NO. 9c6

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		PROPERTY MANAGEMENT
STATE OF MARYLAND DAVID MASON WETZEL No. 30474 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. 30474, EXPIRATION DATE 01/23/2027.		CONTRACT COMPLETION BOX			R.O.W NO.	NNW	38 NE 2	PLAN SCALE: / PROFILE SCALE:		APPROVED BY: DIRECTOR DATE:
	ENGINEER: DAVID WETZEL Burdette, koehler, Murphy & Assoc. Inc.	DGN BY: DMW	BUREAU OF ENGINEERING AND CONSTRUCTION	TRAFFIC	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	
	AS-BUILT PER RECORD PRINT	DWN BY: DCW	REVIEWED BY:								
DATE : APRIL 10, 2025	BY: DATE:	CHKD BY: DMW	DATE REVIEWED:								

BKM# 23102.01



1 GROUND FLOOR PLAN - ELECTRICAL

SCALE: 3/32" = 1'-0"

SCALE: 3/32"=1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. PROVIDE OPENINGS THROUGH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW CONDUITS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
3. FIELD COORDINATE ALL FEEDER ROUTES WITH THE OWNER AND EXISTING CONDITIONS PRIOR TO PURCHASE OF MATERIALS AND START OF WORK.

○ DRAWING NOTES:

1. REMOVE, PROTECT AND REINSTALL TILE CEILING AND CEILING MOUNTED EQUIPMENT AS REQUIRED FOR CONDUIT INSTALLATION.
2. REMOVE EXISTING CONDENSING UNIT CU, DISCONNECT SWITCH, SUPPLY CIRCUIT, CONDUIT AND ALL INTERCONNECTIONS TO EXISTING ASSOCIATED INDOOR UNIT. PROVIDE NEW CU-01 IN SAME LOCATION.

○ DRAWING NOTES:

3. PROVIDE 208V, 2P, 30A DISCONNECT SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE TO SUPPLY NEW CU-01.
4. PROVIDE HOMERUN FOR NEW CU-01 TO EXISTING CIRCUIT BREAKER MADE SPARE DUE TO DEMOLITION OF EXISTING CONDENSING UNIT. PROVIDE ALL POWER AND CONTROL CONNECTIONS FROM NEW CU-01 TO ASSOCIATED INDOOR NEW FCU-01 LOCATED ON THE FIRST FLOOR.

APRIL 10, 2025

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JOHNSON MIRMIRAN & THOMPSON, INC
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6300 Blair Hill Lane, Suite 400
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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 DAVID MASON WETZEL No. 30474 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. 30474, EXPIRATION DATE 01/23/2027				R.O.W NO.	NNW	38 NE 2	PLAN SCALE:	APPROVED BY: DIRECTOR
DATE : APRIL 10, 2025	ENGINEER: DAVID WETZEL, Burdette, koehler, Murphy & Assoc. Inc. DGN BY DMW	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	AS-BUILT PER RECORD PRINT DWN BY DCW	BUREAU OF ENGINEERING AND CONSTRUCTION: TRAFFIC / HIGHWAYS / STRUCTURES / STORM DRAINS / SEWER / WATER / FIELD ENGINEER							
	BY: DATE: CHKD BY DMW	REVIEWED BY: DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

GROUND FLOOR PLAN – ELECTRICAL

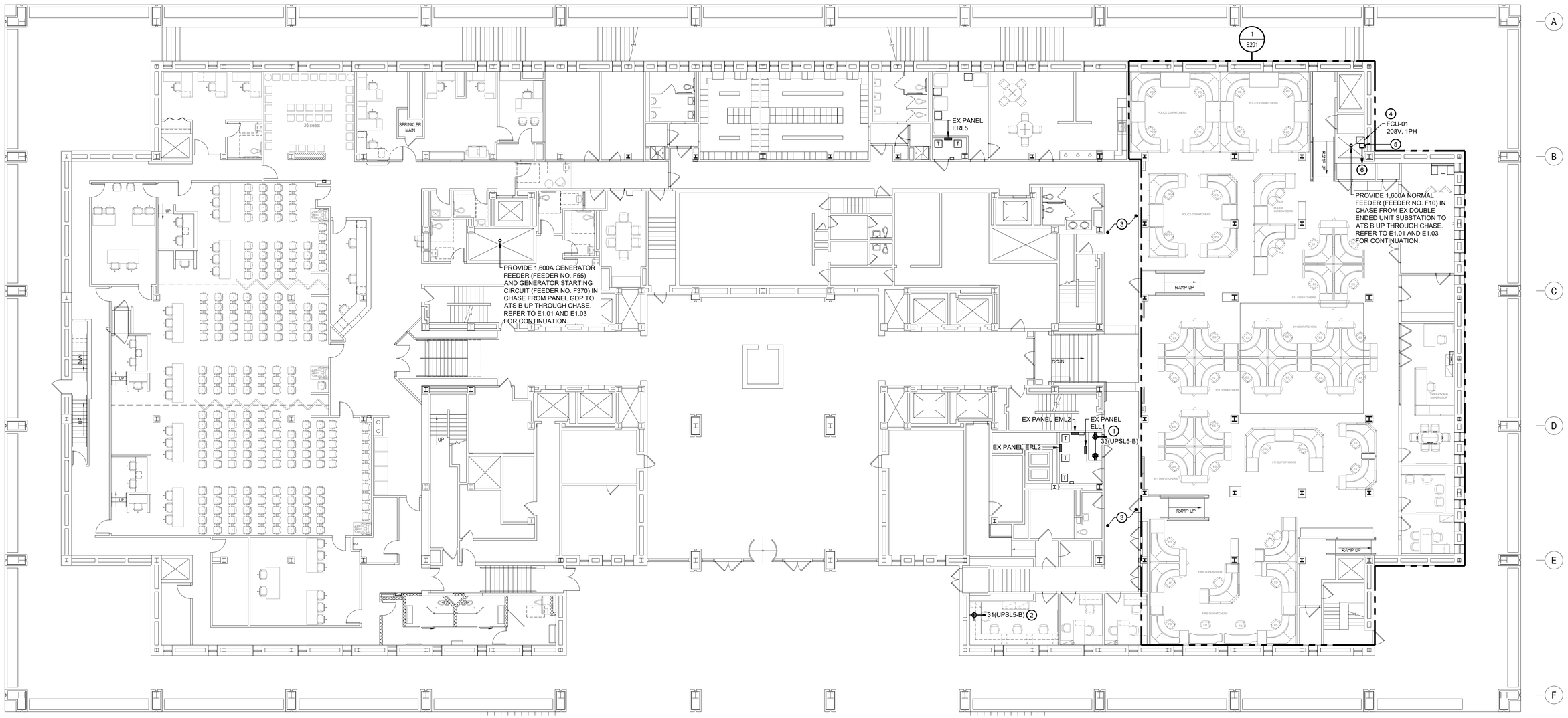
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E1.01	25030-P00
	JOB ORDER NO. 906388
	SHEET 30 OF 60
	DRAWING NO. 2025-1389
	FILE NO. 8 REV.

BKM# 23102.01

Plotted By: Denisa Wilson | 4/10/2025 6:38 AM
ARL - G:\23102.01\Drawings\Acad\E1E101 GRND FLR PLN
DWG FILENAME: 001A107



1 FIRST FLOOR PLAN - ELECTRICAL

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. PROVIDE OPENINGS THROUGH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW CONDUITS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
3. FIELD COORDINATE ALL FEEDER ROUTES WITH THE OWNER AND EXISTING CONDITIONS PRIOR TO PURCHASE OF MATERIALS AND START OF WORK.

DRAWING NOTES:

1. PROVIDE RECEPTACLE(S) IN DATA CLOSET. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
2. PROVIDE RECEPTACLE. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
3. REMOVE, PROTECT AND REINSTALL TILE CEILING AND CEILING MOUNTED EQUIPMENT AS REQUIRED FOR CONDUIT INSTALLATION. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.

DRAWING NOTES:

4. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT FCU-34, DISCONNECT SWITCH, SUPPLY CIRCUIT, CONDUIT AND ALL INTERCONNECTIONS TO EXISTING ASSOCIATED OUTDOOR UNIT. PROVIDE NEW FCU-01 IN SAME LOCATION.
5. PROVIDE 208V, 2P, 30A DISCONNECT SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE TO SUPPLY NEW FCU-01.
6. PROVIDE WIRING AND CONDUIT FOR ALL ELECTRICAL INTERCONNECTIONS FROM NEW FCU-01 TO ASSOCIATED NEW OUTDOOR CU-01 LOCATED OUTSIDE. PROVIDE POWER SUPPLY FROM PANELBOARD OR ASSOCIATED NEW CU-01 AS REQUIRED FOR FINAL EQUIPMENT INSTALLED. COORDINATE WITH EQUIPMENT PROVIDER/INSTALLER.

0 4' 8' 16' 32'

SCALE: 3/32"=1'-0"

APRIL 10, 2025

DWG FILENAME: 001A107

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Plotted By: Denise Wilson | 4/10/2025 6:41 AM

SEAL

STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027	
ENGINEER: DAVID WETZEL Burdette, koehler, Murphy & Assoc. Inc.	DGN BY DMW
AS-BUILT PER RECORD PRINT	DWN BY DCW
BY: DATE:	CHKD BY DMW

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE	
PLAN SCALE:	
PROFILE SCALE:	

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

FIRST FLOOR PLAN – ELECTRICAL

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON

ELECT. DISTRICT NO. 9c6

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
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HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

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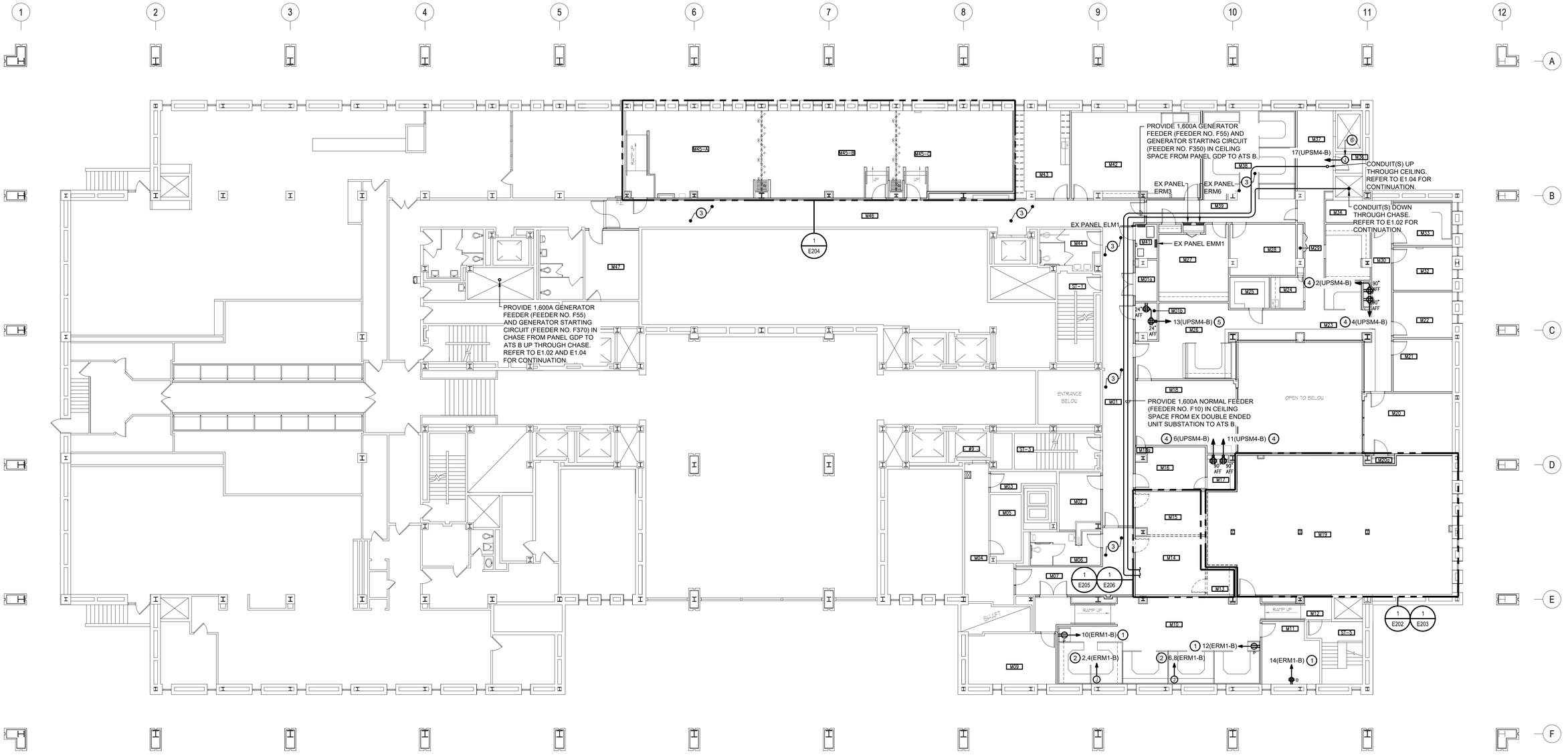
SHEET DESIGNATION	CONTRACT NO.
E1.02	25030-P00
	JOB ORDER NO. 906388
	SHEET 31 OF 60
	DRAWING NO. 2025-1390
	FILE NO. 8 REV.

BKM# 23102.01



1 MEZZANINE FLOOR PLAN - ELECTRICAL

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. PROVIDE OPENINGS THROUGH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW CONDUITS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
3. FIELD COORDINATE ALL FEEDER ROUTES WITH THE OWNER AND EXISTING CONDITIONS PRIOR TO PURCHASE OF MATERIALS AND START OF WORK.

DRAWING NOTES:

1. PROVIDE RECEPTACLE. PROVIDE BRANCH CIRCUIT SUPPLIED FROM ERM B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
2. DISCONNECT EXISTING BRANCH CIRCUIT SUPPLYING EXISTING PRE-WIRED OFFICE FURNITURE. PROVIDE BRANCH CIRCUIT FROM ERM B DISTRIBUTION SYSTEM.
3. REMOVE, PROTECT AND REINSTALL TILE CEILING AND CEILING MOUNTED EQUIPMENT AS REQUIRED FOR CONDUIT INSTALLATION.
4. PROVIDE RECEPTACLE(S). PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
5. PROVIDE RECEPTACLE(S) IN DATA CLOSET. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
6. PROVIDE CONNECTION FOR EXISTING ACCESS CONTROL PANELS IN THIS AREA. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.

0 4' 8' 16' 32'

SCALE: 3/32"=1'-0"

APRIL 10, 2025

JMT | ARCHITECTURE
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40 WIGHT AVENUE
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SEAL

STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DMW
DWN BY: DCW
CHKD BY: DMW

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
MEZZANINE FLOOR PLAN – ELECTRICAL
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
E1.03	25030-P00

JOB ORDER NO. 906388

SHEET 32 OF 60

DRAWING NO. 2025-1391

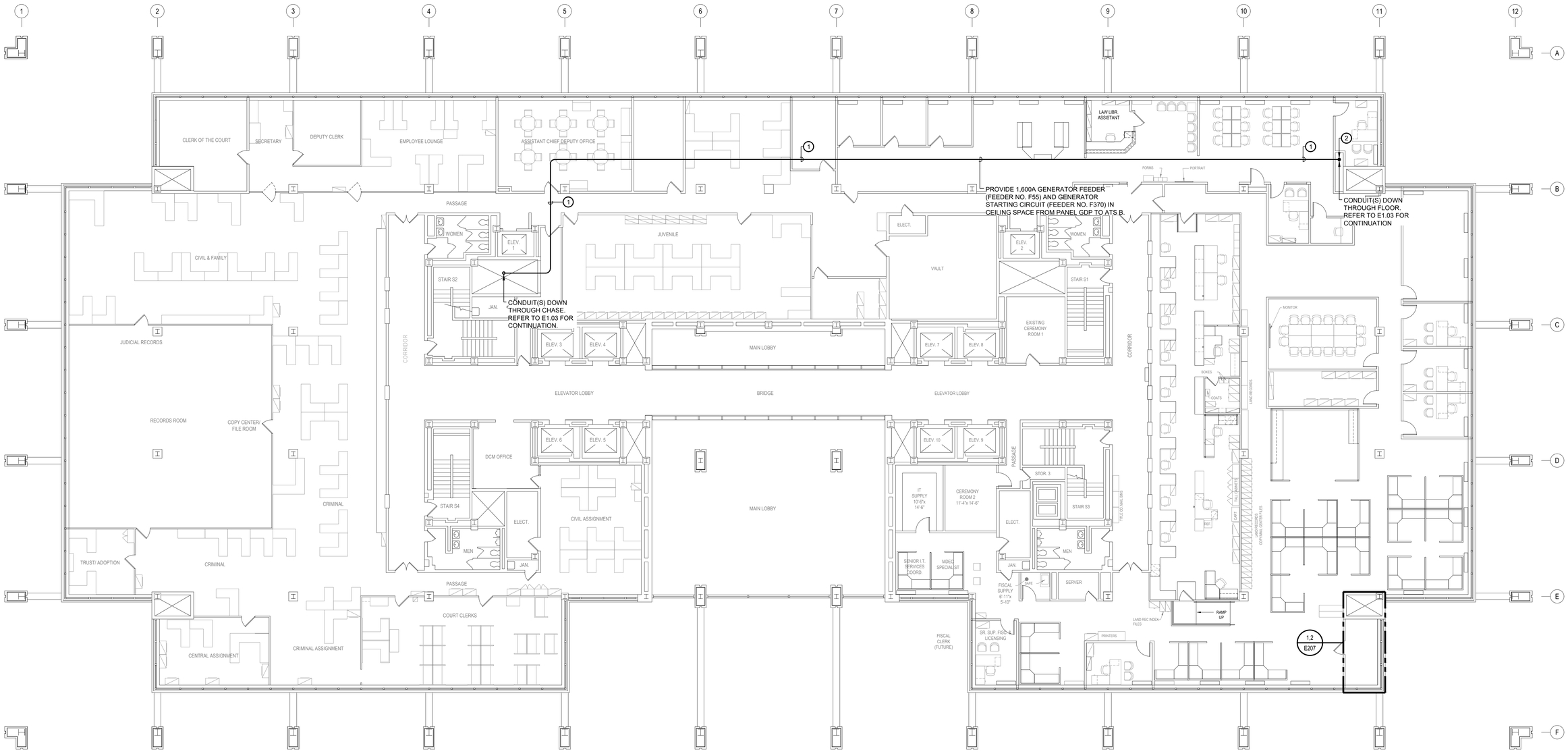
FILE NO. 8

BKM# 23102.01

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E1E103_MEZZ_FLR_PLN

Plotted By: Denise Wilson | 4/10/2025 6:41 AM



1 SECOND FLOOR PLAN - ELECTRICAL

SCALE: 3/32" = 1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. PROVIDE OPENINGS THROUGH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW CONDUITS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS.
3. FIELD COORDINATE ALL FEEDER ROUTES WITH THE OWNER AND EXISTING CONDITIONS PRIOR TO PURCHASE OF MATERIALS AND START OF WORK.

DRAWING NOTES:

1. REMOVE, PROTECT AND REINSTALL TILE CEILING AND CEILING MOUNTED EQUIPMENT AS REQUIRED FOR CONDUIT INSTALLATION.
2. NEW WALL STATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

0 4' 8' 16' 32'

SCALE: 3/32"=1'-0"

DWG. FILENAME: 001A107

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
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HUNT VALLEY, MARYLAND, 21030
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SHEET DESIGNATION	CONTRACT NO.
E1.04	25030-P00

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
SECOND FLOOR PLAN – ELECTRICAL
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

JOB ORDER NO.	
906388	
SHEET 33 OF 60	
DRAWING NO.	
2025-1392	
FILE NO. 8	REV.

BKM# 23102.01

SEAL

DAVID MASON WETZEL No. 30474 PROFESSIONAL ENGINEER STATE OF MARYLAND

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY DMW
DWN BY DCW
CHKD BY DMW

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.	NNW	38 NE 2

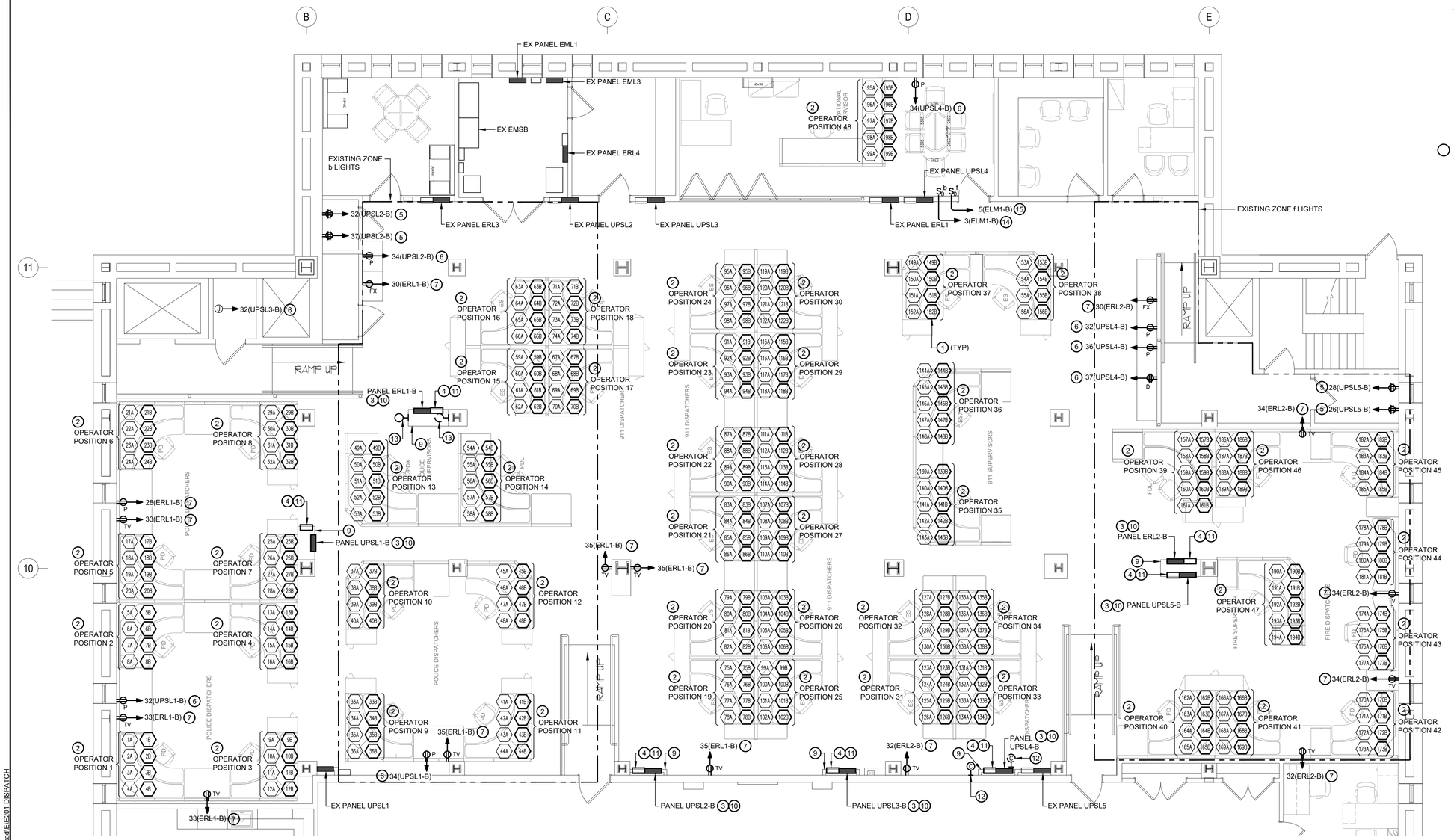
DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

ARCHITECTURE

Plotted By: Denise Wilson | 4/10/2025 6:41 AM

ARL: G:\23102.01\Drawings\Acad\E1E1.04_2ND FLR PLN.N



1 FIRST FLOOR PART PLAN - DISPATCH - ELECTRICAL

SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
4. EXISTING OPERATOR AREA IS EQUIPPED WITH RAISED FLOOR.
5. REMOVE, PROTECT, AND REINSTALL EXISTING FLOOR TILES AS REQUIRED FOR INSTALLATION OF UNDERFLOOR RACEWAYS. COORDINATE ALL FLOOR TILE REMOVAL/REINSTALL WITH THE OWNER.

○ DRAWING NOTES:

1. SPECIAL RECEPTACLE. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.05, E8.06, E8.07 AND E8.08 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
2. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.05, E8.06, E8.07 AND E8.08 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
3. PROVIDE RECESSED PANELBOARD.
4. PROVIDE RECESSED SPD ADJACENT TO PANELBOARD.
5. PROVIDE RECEPTACLE IN DATA CLOSET. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
6. PROVIDE RECEPTACLE AT EXISTING EQUIPMENT LOCATION. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
7. PROVIDE RECEPTACLE AT EXISTING EQUIPMENT LOCATION. PROVIDE BRANCH CIRCUIT SUPPLIED FROM ERL B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
8. PROVIDE CONNECTION FOR EXISTING ACCESS CONTROL PANELS IN THIS AREA. PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH OWNER.
9. NEW WALL SECTION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING ELECTRICAL PANELBOARD FROM PANELBOARD TO NEAREST EXISTING ROOM INTERNAL PERIMETER GROUND BUS (IPGB) CONDUCTOR LOCATED IN CEILING SPACE OR UNDER RAISED FLOOR.
11. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING SPD METALLIC ENCLOSURE FROM SPD TO NEAREST EXISTING ROOM INTERNAL PERIMETER GROUND BUS (IPGB) CONDUCTOR LOCATED IN CEILING SPACE OR UNDER RAISED FLOOR.
12. REMOVE, PROTECT, AND REINSTALL EXISTING CLOCK (NETCLOCK) (POWER/DATA) AS REQUIRED FOR INSTALLATION OF NEW PANEL IN THIS AREA. COORDINATE LOCATION WITH THE OWNER AND EXISTING CONDITIONS.
13. REMOVE, PROTECT, AND REINSTALL EXISTING WALL MOUNTED EMERGENCY LIGHT AS REQUIRED FOR INSTALLATION OF NEW WALL/PANEL IN THIS AREA.
14. REMOVE EXISTING HOMERUN SUPPLYING ZONE b LIGHTS. PROVIDE NEW LIGHTING HOMERUN FROM PANEL (ELM1-B) TO RESUPPLY EXISTING ZONE b LIGHTS AND CONTROLS. EXISTING LIGHTS AND CONTROLS SHALL REMAIN IN PLACE AND BE RE-USED.
15. REMOVE EXISTING HOMERUN SUPPLYING ZONE f LIGHTS. PROVIDE NEW LIGHTING HOMERUN FROM PANEL (ELM1-B) TO RESUPPLY EXISTING ZONE f LIGHTS AND CONTROLS. EXISTING LIGHTS AND CONTROLS SHALL REMAIN IN PLACE AND BE RE-USED.

0 2' 4' 8' 16'

SCALE: 3/16" = 1'-0"

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E\E201 DISPATCH

Plotted By: Denise Wilson | 4/10/2025 6:42 AM

APRIL 10, 2025

N

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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Mechanical / Electrical Engineers
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SHEET DESIGNATION	CONTRACT NO.
E2.01	25030-P00

SEAL

STATE OF MARYLAND · DAVID WILSON WETZEL · NO. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 2025

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ENGINEER: DAVID WETZEL
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	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.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

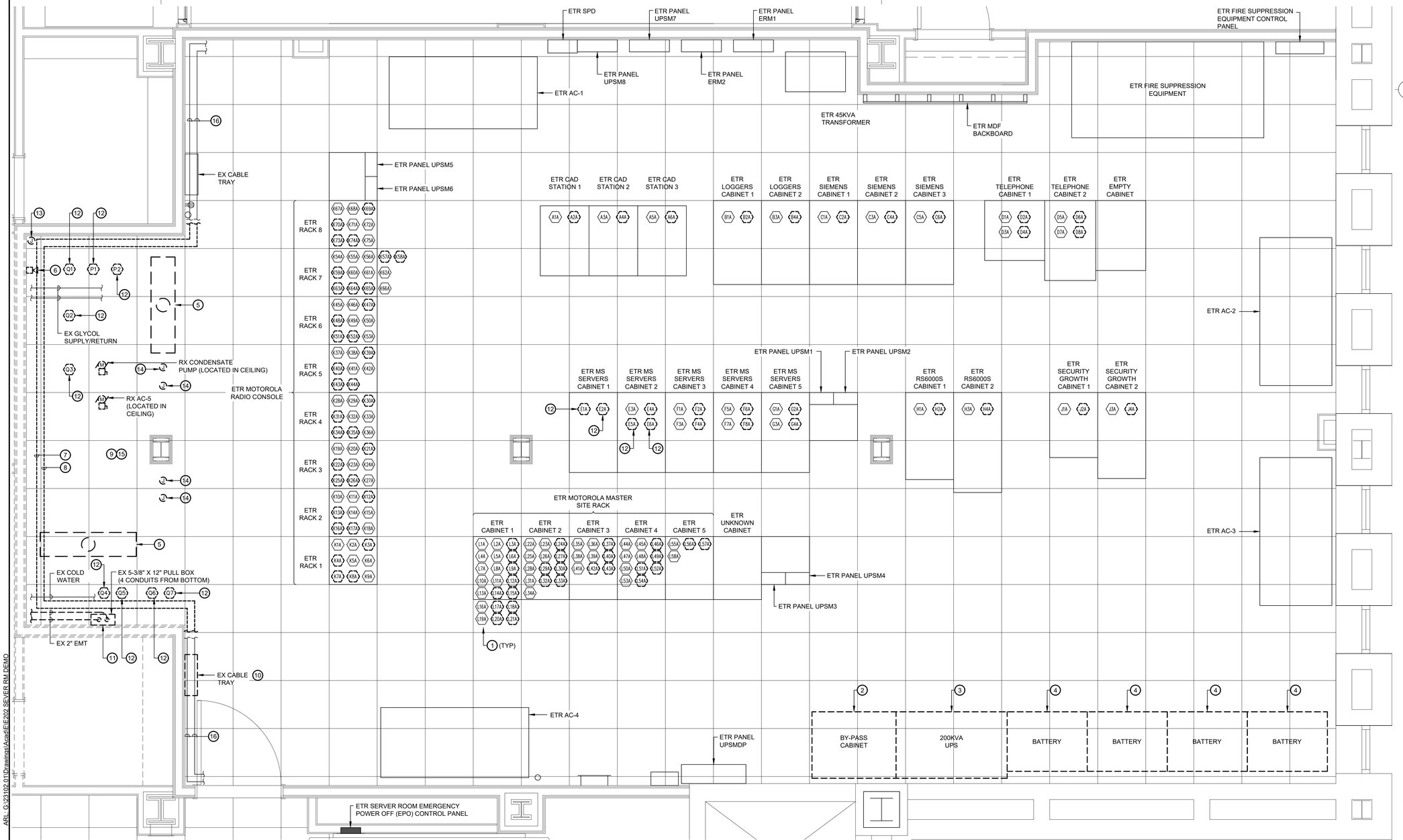
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
FIRST FLOOR PART PLAN – DISPATCH – ELECTRICAL
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

JOB ORDER NO.	
906388	
SHEET 44 OF 60	
DRAWING NO.	
2025-1393	
FILE NO. 8	REV.

BKM# 23102.01



1 PART FLOOR PLAN - SERVER ROOM - ELECTRICAL - DEMOLITION

SCALE: 1/2" = 1'-0"

SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
4. EXISTING SERVER ROOM IS EQUIPPED WITH RAISED FLOOR.
5. REMOVE, PROTECT, AND REINSTALL EXISTING FLOOR TILES AS REQUIRED FOR INSTALLATION OF UNDERFLOOR RACEWAYS. COORDINATE ALL FLOOR TILE REMOVAL/REINSTALL WITH THE OWNER.

○ DRAWING NOTES:

1. EXISTING SPECIAL RECEPTACLE. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.01, E8.02, E8.03, AND E8.04 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
2. REMOVE EXISTING 200KW UPS BY-PASS CABINET.
3. REMOVE EXISTING 200KW UPS.
4. REMOVE EXISTING 200KW UPS BATTERY CABINET.
5. REMOVE EXISTING LIGHT FIXTURE.
6. REMOVE EXISTING FIRE ALARM DEVICE.
7. REMOVE SECTION OF EXISTING IPGB LOCATED ON PERIMETER WALL. (1)#2. NOTE: MAINTAIN CONTINUITY OF IPGB THROUGHOUT CONSTRUCTION.
8. REMOVE SECTION OF IPGB LOCATED ON PERIMETER WALL UNDER RAISED FLOOR. NOTE: MAINTAIN CONTINUITY OF IPGB THROUGHOUT CONSTRUCTION.
9. REMOVE RAISED FLOOR PEDESTAL GROUNDING AS REQUIRED FOR RAISED FLOOR REMOVAL IN THIS AREA.
10. REMOVE EXISTING SECTION OF CABLE TRAY. DATA CABLES REMOVED BY OWNER. COORDINATE WITH OWNER.
11. REMOVE EXISTING PULL BOX AND CONNECTING CONDUITS. DATA CABLES REMOVED BY OWNER. COORDINATE WITH OWNER.
12. REMOVE EXISTING RECEPTACLE FROM UNDER RAISED FLOOR. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.01 AND E8.02 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
13. REMOVE WALL CONNECTION FOR PRE-WIRED OFFICE FURNITURE.
14. REMOVE EXISTING CEILING MOUNTED JUNCTION BOX AND CONDUCTORS. COORDINATE WITH OWNER.
15. REMOVE EXISTING EQUIPMENT AND DEVICES LOCATED UNDER RAISED FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW UPS ROOM AND ELECTRICAL ROOM IN THIS AREA.
16. REMAINING PORTION OF EXISTING IPGB TO REAMIN IN PLACE AND BE RE-USED.

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E\E202 SEVER RM DEMO

Plotted By: Denise Wilson | 4/10/2025 6:42 AM

APRIL 10, 2025

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SEAL

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ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE : APRIL 10, 2025

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

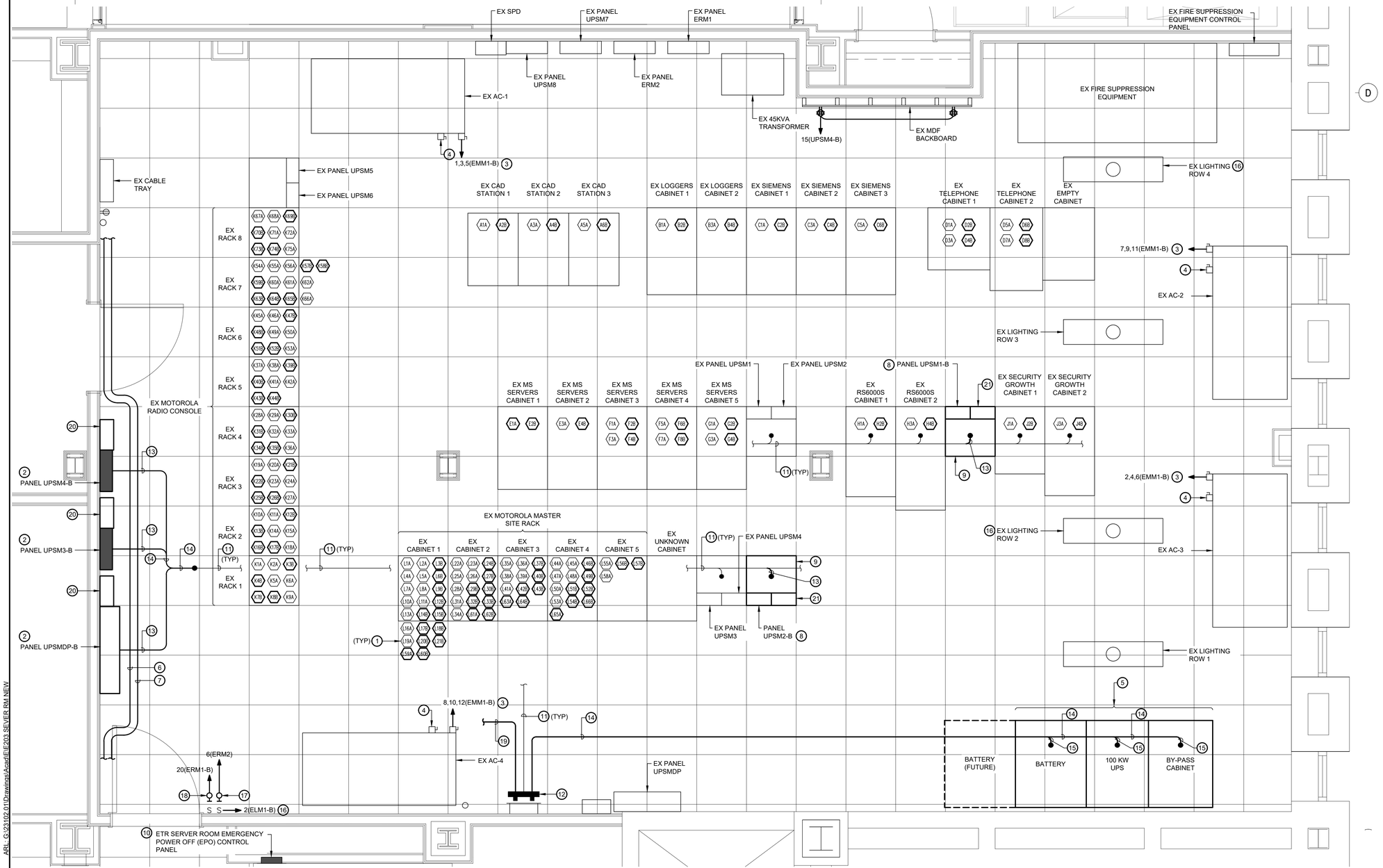
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PART FLOOR PLAN – SERVER ROOM – ELECTRICAL – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
E2.02	25030-P00
	JOB ORDER NO. 906388
	SHEET 35 OF 60
	DRAWING NO. 2025-1394
	FILE NO. 8 REV.

BKM# 23102.01



1 PART FLOOR PLAN - SERVER ROOM - ELECTRICAL - NEW WORK

SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
4. EXISTING SERVER ROOM IS EQUIPPED WITH RAISED FLOOR.
5. REMOVE, PROTECT, AND REINSTALL EXISTING FLOOR TILES AS REQUIRED FOR INSTALLATION OF UNDERFLOOR RACEWAYS. COORDINATE ALL FLOOR TILE REMOVAL/REINSTALL WITH THE OWNER.

○ DRAWING NOTES:

1. SPECIAL RECEPTACLE. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.01, E8.02, E8.03 AND E8.04 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
2. PROVIDE PANELBOARD.
3. PROVIDE HOMERUN TO DISTRIBUTION SYSTEM B MECHANICAL PANEL. PROVIDE (3)#3 & (1)#8 GRD IN 1-1/4" C. PROVIDE FINAL CONNECTION TO EXISTING EQUIPMENT B INPUT CONNECTION.
4. EXISTING TO REMAIN SUPPLY FROM DISTRIBUTION SYSTEM A.
5. 100 KW (UPS A) SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE ALL COORDINATION AND INSTALLATION.
6. PROVIDE (1)#2 IPGB LOCATED ON PERIMETER WALL IN CEILING SPACE. CONNECT TO EXISTING IPGB AT EACH END.
7. PROVIDE (1)#2 IPGB LOCATED ON PERIMETER WALL UNDER RAISED FLOOR. CONNECT TO EXISTING IPGB AT EACH END.
8. PROVIDE PANELBOARD MOUNTED IN RDC.
9. PROVIDE REMOTE DISTRIBUTION CABINET (RDC) CONTAINING PANELBOARD(S).
10. PROVIDE MODIFICATIONS TO EXISTING SERVER ROOM EMERGENCY POWER OFF (EPO) CONTROL PANEL. REFER TO EXISTING SERVER ROOM EMERGENCY POWER OFF (EPO) CONTROL WIRING DIAGRAM ON E4.01 FOR ADDITIONAL INFORMATION.
11. EXISTING (1)#3/0 GROUND BUS CONDUCTOR LOCATED UNDER RAISED FLOOR.
12. EXISTING MAIN SSGB FOR SERVER ROOM LOCATED UNDER RAISED FLOOR.
13. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING ELECTRICAL PANELBOARD FROM PANEL TO EXISTING OR NEW GROUND BUS CONDUCTOR LOCATED UNDER RAISED FLOOR.
14. PROVIDE (1)#3/0 GROUND BUS CONDUCTOR LOCATED UNDER RAISED FLOOR.
15. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING THE UPS FROM UPS TO GROUND BUS CONDUCTOR LOCATED UNDER RAISED FLOOR.
16. PROVIDE LIGHT SWITCH AND HOMERUN TO SUPPLY EXISTING LIGHTING ROW 2 AND ROW 4 LIGHTS. MODIFY ROW 2 AND ROW 4 LIGHTING CIRCUITS TO BE SWITCHED SEPARATE FROM ROW 1 AND ROW 3 LIGHTS.
17. PROVIDE WALL MOUNTED 40 MM GREEN LED BEACON LIGHT TO INDICATE A DISTRIBUTION IS ENERGIZED. LIGHT SHALL BE ON WHEN ASSOCIATED A DISTRIBUTION CIRCUIT/PANEL IS ENERGIZED. PROVIDE PLACARD STATING "A DISTRIBUTION SYSTEM ENERGIZED WHEN LIT". COORDINATION LOCATION WITH OWNER.
18. PROVIDE WALL MOUNTED 40 MM GREEN LED BEACON LIGHT TO INDICATE B DISTRIBUTION IS ENERGIZED. LIGHT SHALL BE ON WHEN ASSOCIATED B DISTRIBUTION CIRCUIT/PANEL IS ENERGIZED. PROVIDE PLACARD STATING "B DISTRIBUTION SYSTEM ENERGIZED WHEN LIT". COORDINATION LOCATION WITH OWNER.
19. PROVIDE (1)#3/0 COMMUNICATION BONDING BACKBONE IN 1-1/4" CONDUIT TO SSGB LOCATED IN EMSB-B ELECTRICAL ROOM. REFER TO E2.06 FOR ADDITIONAL INFORMATION.
20. PROVIDE SPD ADJACENT TO PANELBOARD.
21. PROVIDE SPD ADJACENT TO PANELBOARD WITHIN REMOTE DISTRIBUTION CABINET.

0 1' 2' 4' 6'

SCALE: 1/2" = 1'-0"

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E\E203 SEVER RM.NEW

Plotted By: Denise Wilson | 4/10/2025 6:42 AM

APRIL 10, 2025

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ARCHITECTURE

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SHEET DESIGNATION	CONTRACT NO.
E2.03	25030-P00

JOB ORDER NO.
906388

SHEET 36 OF 60

DRAWING NO.	REV.
2025-1395	

FILE NO. 8

BKM# 23102.01

SEAL

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ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PART FLOOR PLAN – SERVER ROOM – ELECTRICAL – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

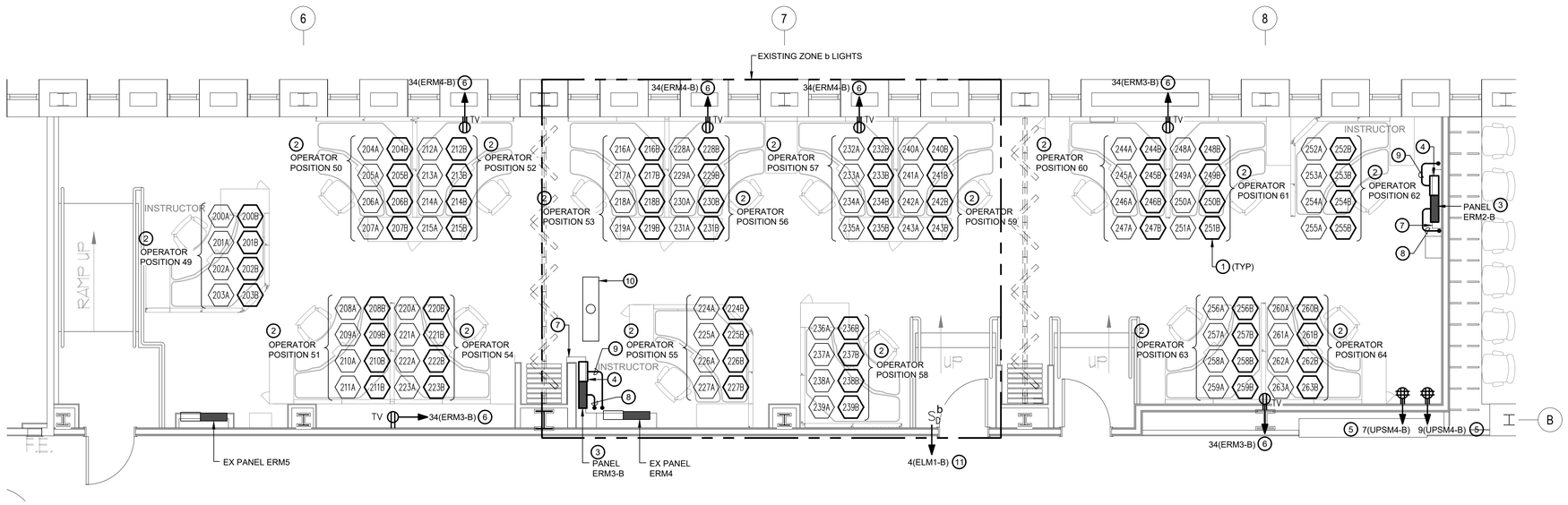
BALTIMORE COUNTY MARYLAND

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (▬ ▬) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (▬▬) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
4. EXISTING OPERATOR AREA IS EQUIPPED WITH RAISED FLOOR.
5. REMOVE, PROTECT, AND REINSTALL EXISTING FLOOR TILES AS REQUIRED FOR INSTALLATION OF UNDERFLOOR RACEWAYS. COORDINATE ALL FLOOR TILE REMOVAL/REINSTALL WITH THE OWNER.

○ DRAWING NOTES:

1. SPECIAL RECEPTACLE. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.06 AND E8.08 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
2. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.05, E8.06, E8.07 AND E8.08 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
3. PROVIDE RECESSED PANELBOARD.
4. PROVIDE RECESSED SPD ADJACENT TO PANELBOARD.
5. PROVIDE RECEPTACLE . PROVIDE BRANCH CIRCUIT SUPPLIED FROM UPS B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH THE OWNER.
6. PROVIDE RECEPTACLE AT EXISTING TV LOCATION. PROVIDE BRANCH CIRCUIT SUPPLIED FROM ERM B DISTRIBUTION SYSTEM. COORDINATE LOCATION WITH EXISTING EQUIPMENT AND WITH THE OWNER.
7. NEW WALL SECTION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING ELECTRICAL PANELBOARD FROM PANELBOARD TO NEAREST EXISTING ROOM INTERNAL PERIMETER GROUND BUS (IPGB) CONDUCTOR LOCATED IN CEILING SPACE OR UNDER RAISED FLOOR.
9. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING SPD METALLIC ENCLOSURE FROM SPD TO NEAREST EXISTING ROOM INTERNAL PERIMETER GROUND BUS (IPGB) CONDUCTOR LOCATED IN CEILING SPACE OR UNDER RAISED FLOOR.
10. SHIFT LOCATION OF EXISTING LIGHT FIXTURE AS REQUIRED DUE TO NEW WALL CONSTRUCTION IN THIS AREA.
11. REMOVE EXISTING HOMERUN SUPPLYING ZONE b LIGHTS. PROVIDE NEW HOMERUN FROM PANEL (ELM1-B) TO RESUPPLY EXISTING ZONE b LIGHTS AND CONTROLS. EXISTING LIGHTS AND CONTROLS SHALL REMAIN IN PLACE AND BE RE-USED.



1 MEZZANINE PART FLOOR PLAN - SIMULATION - ELECTRICAL

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A107

ARL- G:\23102.01\Drawings\Acad\E204 SIMULATION

Plotted By: Denise Wilson | 4/10/2025 6:44 AM

SEAL

STATE OF MARYLAND · DAVID WILSON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 2025

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REVIEWED BY:							
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DRAWING SCALE
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PROPERTY MANAGEMENT
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SHEET DESIGNATION	CONTRACT NO.
E2.04	25030-P00

BALTIMORE COUNTY MARYLAND

JOB ORDER NO.
906388
SHEET 37 OF 60
DRAWING NO.
2025-1396
FILE NO. 8 REV.

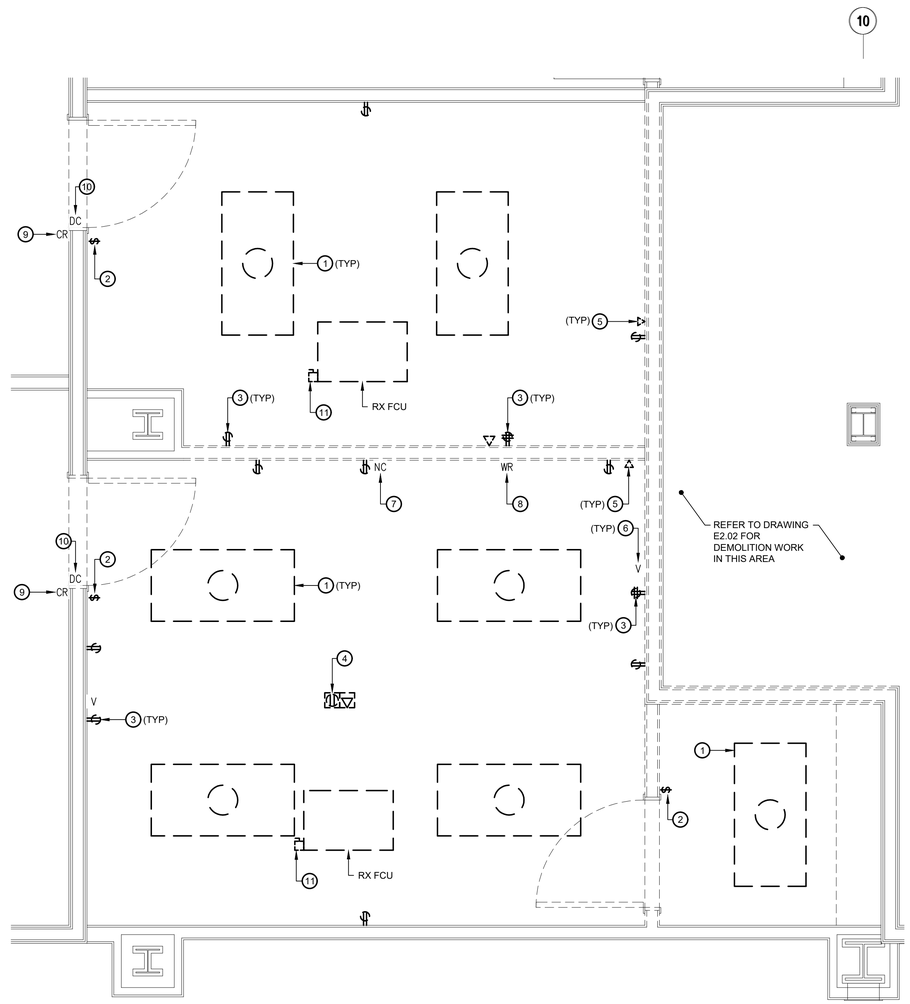
BKM# 23102.01

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

○ DRAWING NOTES:

1. REMOVE EXISTING LIGHT FIXTURE.
2. REMOVE EXISTING LIGHT SWITCH.
3. REMOVE EXISTING RECEPTACLE.
4. REMOVE EXISTING RECESSED FLOOR BOX. PATCH FLOOR.
5. REMOVE EXISTING DATA OUTLET.
6. REMOVE EXISTING VIDEO OUTLET.
7. REMOVE EXISTING NETCLOCK DATA OUTLET. COORDINATE WITH EXISTING NETCLOCK SYSTEM.
8. REMOVE EXISTING WALL REMOTE.
9. REMOVE EXISTING CARD READER.
10. REMOVE EXISTING DOOR CONTACT.
11. REMOVE EXISTING DISCONNECT SWITCH.



PART FLOOR PLAN - ELECTRICAL ROOM - ELECTRICAL - DEMOLITION

1 SCALE: 1/2" = 1'-0"

0 1' 2' 4' 6'

SCALE: 1/2" = 1'-0"

DWG FILENAME: 0014107

APRIL 10, 2025

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JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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bkm
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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
E2.05	25030-P00

JOB ORDER NO. 906388

SHEET 38 OF 60

DRAWING NO. 2025-1397

FILE NO. 8 REV.

BKM# 23102.01

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PART FLOOR PLAN – ELECTRICAL ROOM – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

PROPERTY MANAGEMENT
APPROVED BY: _____ DIRECTOR
DATE: _____

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	NNW	38 NE 2
CONTRACT COMPLETION BOX					

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

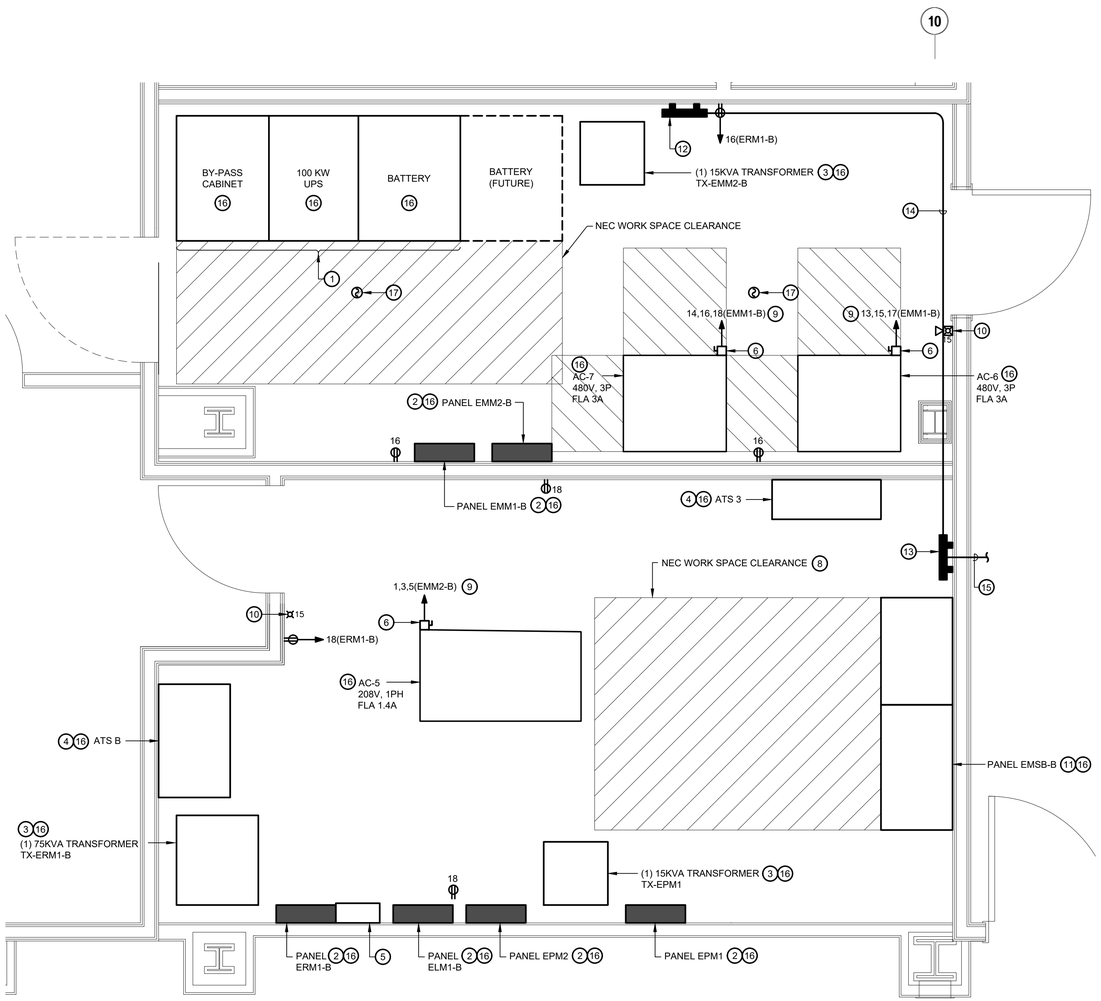
PROFESSIONAL CERTIFICATION

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. 30474 EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.
DGN BY PMW
AS-BUILT PER RECORD PRINT
DWN BY DCW
BY:
DATE:
CHKD BY MW

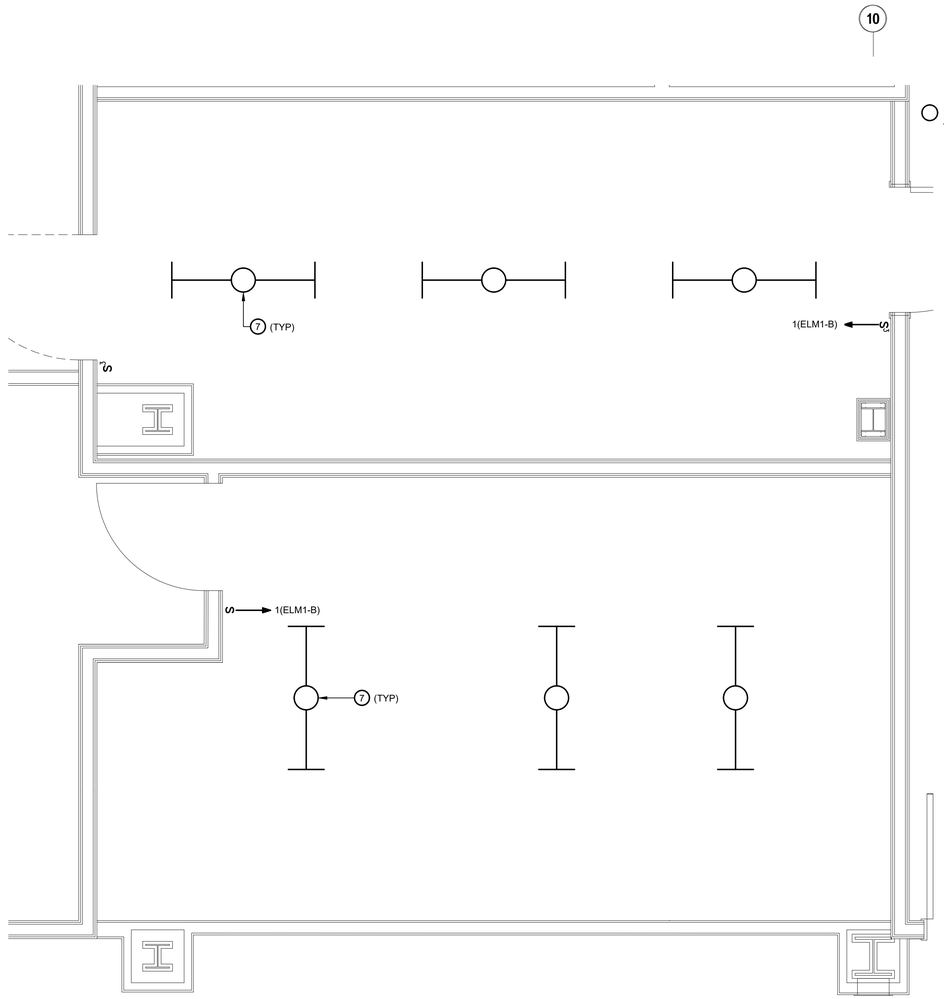
SEAL
STATE OF MARYLAND · DAVID WETZEL · No. 30474 · PROFESSIONAL ENGINEER
DATE : APRIL 10, 2025

Plotted By: Denise Wilson | 4/10/2025 6:44 AM
ARL: G:\23102.01\Drawings\Acad\EIE205 ELEC RM D



PART FLOOR PLAN - ELECTRICAL ROOM - POWER - NEW WORK

1 SCALE: 1/2" = 1'-0"



PART FLOOR PLAN - ELECTRICAL ROOM - LIGHTING - NEW WORK

2 SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. COORDINATE ELECTRICAL EQUIPMENT WITH EXISTING AND NEW NON-ELECTRICAL EQUIPMENT SO NO NON-ELECTRICAL EQUIPMENT IS LOCATED DIRECTLY OVER TOP OF ELECTRICAL EQUIPMENT.

DRAWING NOTES:

1. 100 KW (UPS B) SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE ALL COORDINATION AND INSTALLATION.
2. PROVIDE PANELBOARD.
3. PROVIDE TRANSFORMER.
4. PROVIDE ATS.
5. PROVIDE SPD ADJACENT TO PANELBOARD.
6. DISCONNECT SWITCH SUPPLIED UNDER DIVISION 23 AND INSTALLED UNDER DIVISION 26.
7. PROVIDE 4' LED INDUSTRIAL LIGHT FIXTURE 3,000 LUMENS WITH REFLECTOR (LITHONIA CLX L48 3000LM SEF FDL MVOLT GZ10 LUGR 40K 80 CRI).
8. 8' WORK SPACE CLEARANCE PER NEC ARTICLE 110.26,(C),(2),(b).
9. PROVIDE (3)#12 & (1)#12 GRD IN 3/4" CONDUIT. PROVIDE FINAL CONNECTION TO EQUIPMENT.
10. PROVIDE FIRE ALARM DEVICE. CONNECT TO EXISTING BUILDING MAIN FIRE ALARM SYSTEM.
11. PROVIDE SWITCHBOARD.
12. PROVIDE SSGB FOR UPS B ROOM.
13. PROVIDE SSGB FOR EMSB-B ELECTRICAL ROOM.
14. PROVIDE (1)#3/0 COMMUNICATION BONDING BACKBONE IN 1-1/4" CONDUIT.
15. PROVIDE (1)#3/0 COMMUNICATION BONDING BACKBONE IN 1-1/4" CONDUIT TO EXISTING SSGB LOCATED IN SERVER ROOM. REFER TO E2.03 FOR ADDITIONAL INFORMATION.
16. PROVIDE (1)#2 EQUIPMENT GROUNDING CONDUCTOR FOR BONDING METALLIC ENCLOSURE FROM EQUIPMENT TO SSGB LOCATED IN THE SAME ROOM.
17. PROVIDE SMOKE DETECTOR UNDER RAISED FLOOR. CONNECT TO EXISTING BUILDING MAIN FIRE ALARM SYSTEM.

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

DWG FILENAME: 001A107

APRIL 10, 2025

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40 WIGHT AVENUE
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SHEET DESIGNATION	CONTRACT NO.
E2.06	25030-P00

JOB ORDER NO.
906388

SHEET 39 OF 60

DRAWING NO.
2025-1398

FILE NO. 8 REV.

BKM# 23102.01

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PART FLOOR PLAN – ELECTRICAL ROOM – POWER & LIGHTING – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SEAL
STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER
DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027
ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY DMW
DWN BY DCW
CHKD BY DMW

AS-BUILT / REVISION

	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

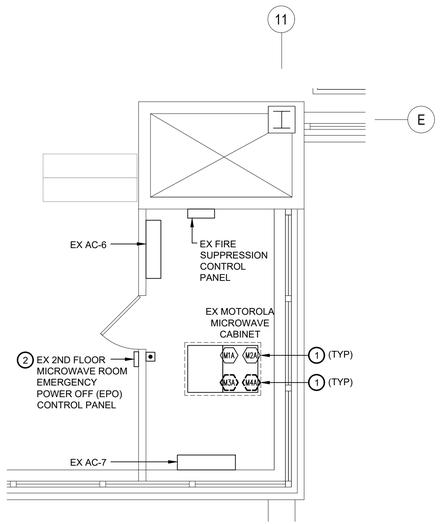
ARL- G:\23102.01\Drawings\Acad\E\E206 ELEC RM NEW
Plotted By: Denise Wilson | 4/10/2025 6:44 AM

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (▬ ▬ ▬) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (▬▬▬) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

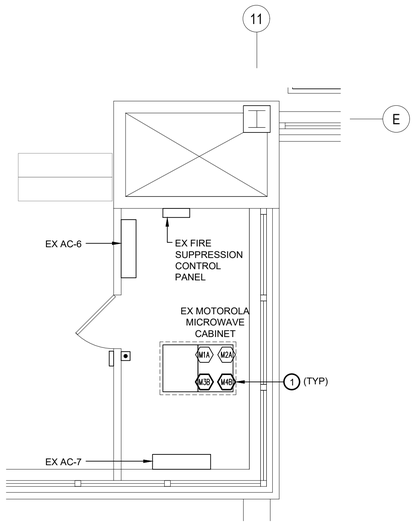
○ DRAWING NOTES:

1. SPECIAL RECEPTACLE. REFER TO EQUIPMENT CONNECTION SCHEDULES ON DRAWINGS E8.02 AND E8.04 FOR SCOPE OF WORK AND ADDITIONAL INFORMATION.
2. PROVIDE MODIFICATIONS TO EXISTING 2ND FLOOR MICROWAVE ROOM EMERGENCY POWER OFF (EPO) CONTROL PANEL. REFER TO EXISTING 2ND FLOOR MICROWAVE ROOM EMERGENCY POWER OFF (EPO) CONTROL WIRING DIAGRAM ON E4.02 FOR ADDITIONAL INFORMATION.



SECOND PART FLOOR PLAN - MICROWAVE ROOM - EXISTING

1 SCALE: 1/4" = 1'-0"



SECOND PART FLOOR PLAN - MICROWAVE ROOM - NEW WORK

2 SCALE: 1/4" = 1'-0"

0 2' 4' 8' 12'

SCALE: 1/4" = 1'-0"

DWG FILENAME: 001A1107

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APRIL 10, 2025

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40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
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SHEET DESIGNATION	CONTRACT NO.
E2.07	25030-P00

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

SECOND FLOOR PART PLANS – MICROWAVE ROOM – ELECTRICAL – EXISTING & NEW WORK

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

JOB ORDER NO.	SHEET 40 OF 60	DRAWING NO.	FILE NO. 8 REV.
906388		2025-1399	

BKM# 23102.01

SEAL

STATE OF MARYLAND · DAVID WESTZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WESTZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY DMW
DWN BY DGW
CHKD BY DMW

AS-BUILT / REVISION | BY | DATE

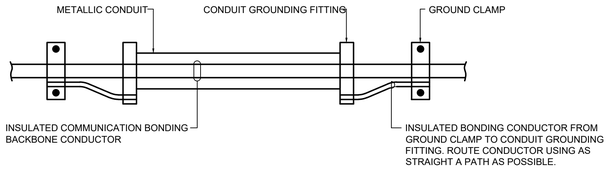
CONTRACT COMPLETION BOX

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.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
DATE: DIRECTOR

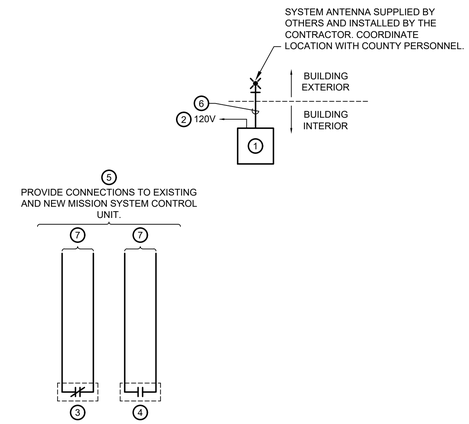


NOTE:
BOND COMMUNICATION BONDING BACKBONE CONDUCTOR TO CONDUIT ON EACH END. CONDUCTORS. SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE.

COMMUNICATION BONDING BACKBONE CONDUCTOR IN CONDUIT DETAIL

1 / E3.01

SCALE: NONE



BALTIMORE COUNTY SCADA (MISSION) SYSTEM RISER DIAGRAM

2 / E3.01

NOT TO SCALE

DETAIL GENERAL NOTES:

1. ALL WORK PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
2. ALL SYSTEM PROGRAMMING PERFORMED BY THE COUNTY.
3. COORDINATE ALL CONDUCTOR AND CONDUIT REQUIREMENTS WITH COUNTY AND MISSION SYSTEM PERSONNEL.

DETAIL NOTES:

1. NEW MISSION SYSTEM CONTROL UNIT IN NEMA 1 ENCLOSURE. CONTROL UNIT SUPPLIED BY THE COUNTY AND INSTALLED BY THE CONTRACTOR. ENCLOSURE PROVIDED BY THE CONTRACTOR. ALL SYSTEM PROGRAMMING PERFORMED BY THE COUNTY.
2. CONNECT TO EXISTING MISSION SYSTEM SUPPLY CIRCUIT.
3. 911 CENTER DISTRIBUTION B POWER AVAILABLE CONTACT LOCATED IN 911 CENTER PANEL EMSB-B.
4. SERVER ROOM UPS B GENERAL FAULT. CONTACT LOCATED IN SERVER ROOM UPS.
5. PROVIDE CONDUCTORS IN CONDUIT. COORDINATE CONDUCTOR REQUIREMENTS WITH COUNTY MISSION SYSTEM PERSONNEL.
6. ANTENNA CONDUCTOR IN 1" CONDUIT. CONDUCTOR SUPPLIED BY COUNTY AND INSTALLED BY THE CONTRACTOR. COORDINATE LOCATION WITH COUNTY PERSONNEL.
7. 16 AWG COPPER TWISTED SHIELDED PAIR CABLE

SEAL

STATE OF MARYLAND — DAVID WILSON WETZEL — No. 30474 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 30474 EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY PMW
DWN BY DCW
CHKD BY PMW

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

CONTRACT COMPLETION BOX | R.O.W NO.

KEY SHEET: NNW
POSITION SHT: 38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
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BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL DETAILS
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

JMT ARCHITECTURE

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SHEET DESIGNATION	CONTRACT NO.
E3.01	25030-P00

JOB ORDER NO. 906388

SHEET 41 OF 60

DRAWING NO. 2025-1400

FILE NO. 8 REV.

BKM# 23102.01

DWG FILENAME: 0014107

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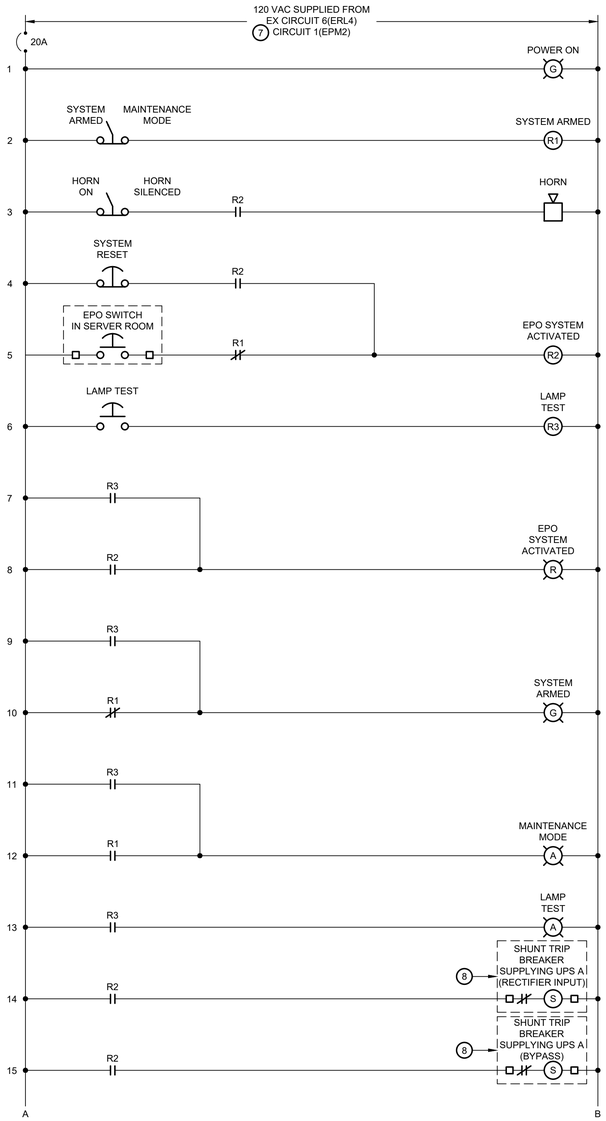
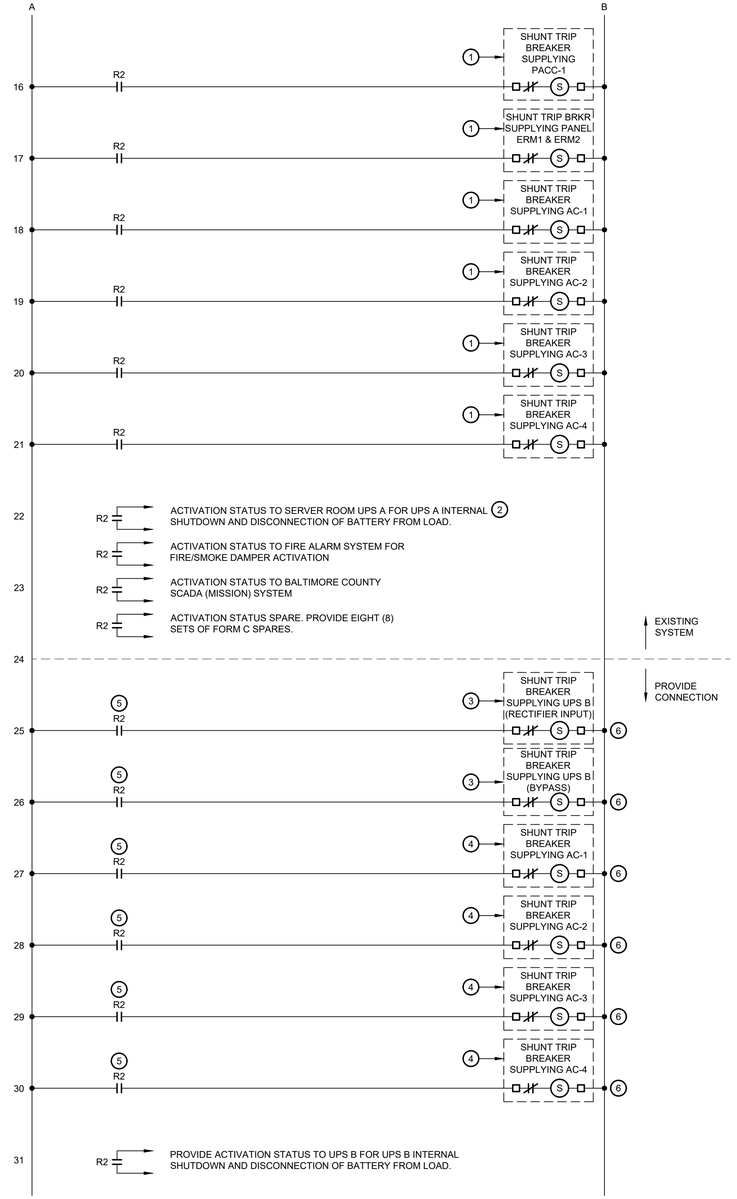
Plotted By: Denise Wilson | 4/10/2025 8:47 AM





GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

○ DRAWING NOTES:

1. BREAKER LOCATED IN EXISTING PANELBOARD EMSB.
2. PROVIDE RECONNECTION TO NEW UPS A.
3. BREAKER LOCATED IN PANELBOARD EMSB-B.
4. BREAKER LOCATED IN PANELBOARD EMM1-B.
5. UTILIZE/CONNECT SPARE R2 RELAY CONTACT.
6. PROVIDE CONNECTION.
7. REMOVE EXISTING SUPPLY CIRCUIT. PROVIDE SUPPLY CIRCUIT FROM PANEL EPM2.
8. PROVIDE RECONNECTION TO NEW BREAKER LOCATED IN EXISTING PANELBOARD EMSB.

SEQUENCE SERVER ROOM EMERGENCY POWER OFF (EPO) SEQUENCE OF OPERATIONS:

1. EXISTING SEQUENCE: ACTIVATION OF THE EPO SWITCH LOCATED AT THE SERVER ROOM SHALL RESULT IN THE FOLLOWING SEQUENCE OF EVENTS:

   * DISCONNECT MAIN LINE SUPPLY POWER TO THE SERVER ROOM UPS A (VIA SHUNT TRIP CIRCUIT BREAKERS). THIS WILL RESULT IN LOSS OF POWER TO THE FOLLOWING DOWNSTREAM PANELBOARDS LOCATED WITHIN THE SERVER ROOM: UPSM1, UPSM2, UPSM3, UPSM4, UPSM6, UPSM7, AND UPSM8. THIS WILL RESULT IN THE LOSS OF POWER TO THE FOLLOWING DOWNSTREAM PANELBOARDS LOCATED OUTSIDE THE SERVER ROOM: UPSL1, UPSL2, UPSL3, UPSL4, AND UPSL5.

   * SEND DRY CONTACT SIGNAL TO UPS A FOR INTERNAL UPS A SHUTDOWN AND DISCONNECT UPS A BATTERY FROM IT'S LOAD.

   * DISCONNECT MAIN LINE SUPPLY POWER TO PANELBOARDS ERM1 AND ERM2 LOCATED WITHIN THE SERVER ROOM (VIA SHUNT TRIP CIRCUIT BREAKER).

   * DISCONNECT MAIN LINE SUPPLY POWER TO AC-1, AC-2, AC-3, AND AC-4 LOCATED WITHIN THE SERVER ROOM (VIA SHUNT TRIP BREAKER).

   * DISCONNECT MAIN LINE SUPPLY POWER TO PACC-1 LOCATED ON ROOF (VIA SHUNT TRIP CIRCUIT BREAKER).

   * ACTIVATE FIRE/SMOKE DAMPERS SERVING THE SERVER ROOM (AS APPLICABLE).

   * ACTIVATE EPO PANEL ACTIVATION LIGHT AND HORN.

   * ACTIVATE ALARM ON BALTIMORE COUNTY'S SCADA SYSTEM (MISSION SYSTEM).

2. THE ABOVE SEQUENCE SHALL REMAIN IN PLACE.
3. IN ADDITION TO THE ABOVE SEQUENCE, ACTIVATION OF THE EXISTING EPO SWITCH LOCATED AT THE SERVER ROOM SHALL RESULT IN THE FOLLOWING SEQUENCE OF OPERATION EVENTS:

   * DISCONNECT MAIN LINE SUPPLY POWER TO THE SERVER ROOM UPS B (VIA SHUNT TRIP CIRCUIT BREAKERS). THIS WILL RESULT IN LOSS OF POWER TO THE FOLLOWING DOWNSTREAM PANELBOARDS LOCATED WITHIN THE SERVER ROOM: UPSMDP-B, UPSM1-B, UPSM2-B, UPSM3-B, AND UPSM4-B. THIS WILL RESULT IN THE LOSS OF POWER TO THE FOLLOWING DOWNSTREAM PANELBOARDS LOCATED OUTSIDE THE SERVER ROOM: UPSL1-B, UPSL2-B, UPSL3-B, UPSL4-B, AND UPSL5-B.

   * SEND DRY CONTACT SIGNAL TO UPS B FOR INTERNAL UPS B SHUTDOWN AND DISCONNECT UPS B BATTERY FROM IT'S LOAD.

   * DISCONNECT MAIN LINE SUPPLY POWER TO AC-1, AC-2, AC-3, AND AC-4 LOCATED WITHIN THE SERVER ROOM (VIA SHUNT TRIP BREAKER).

1 / E4.01 EXISTING SERVER ROOM EMERGENCY POWER OFF (EPO) CONTROL WIRING DIAGRAM

SCALE: NONE

APRIL 10, 2025

JMT | ARCHITECTURE
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SHEET DESIGNATION	CONTRACT NO.
E4.01	25030-P00

JOB ORDER NO. 906388

SHEET 42 OF 60

DRAWING NO. 2025-1401

FILE NO. 8 REV.

BKM# 23102.01

SEAL

PROFESSIONAL CERTIFICATION

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LICENSE NO. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DATE : APRIL 10, 2025

DGN BY DMW
DWN BY DCW
CHKD BY DMW

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

R.O.W NO. | NNW | 38 NE 2

CONTRACT COMPLETION BOX

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

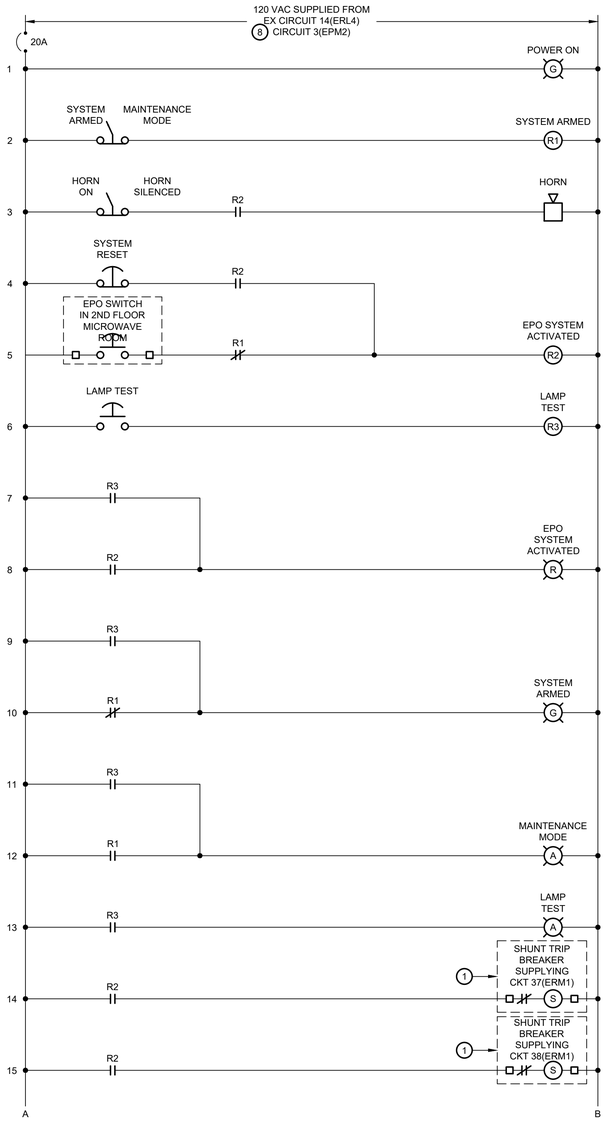
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EXISTING SERVER ROOM EPO WIRING DIAGRAM
401 BOSLEY, TOWSON MARYLAND 21204

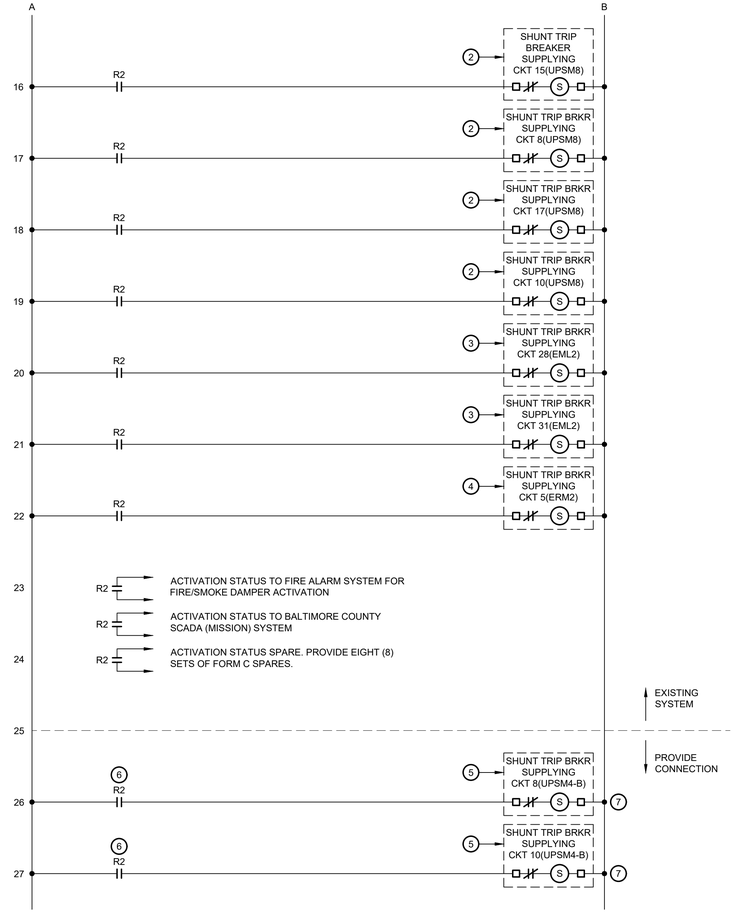
SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Asset\E4401

Plotted By: Denise Wilson | 4/10/2025 6:47 AM





GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.

○ DRAWING NOTES:

1. BREAKER LOCATED IN EXISTING PANLBOARD ERML.
2. PROVIDE RECONNECTION IN EXISTING PANELBOARD UPSM8.
3. BREAKER LOCATED IN EXISTING PANELBOARD EML2.
4. BREAKER LOCATED IN PANELBOARD ERM2.
5. BREAKER LOCATED IN PANELBOARD UPSM4-B.
6. UTILIZE/CONNECT SPARE R2 RELAY CONTACT.
7. PROVIDE CONNECTION.
8. REMOVE EXISTING SUPPLY CIRCUIT. PROVIDE SUPPLY CIRCUIT FROM PANEL EPM2.

2ND FLOOR MICROWAVE ROOM EMERGENCY POWER OFF (EPO) SEQUENCE OF OPERATIONS:

1. EXISTING SEQUENCE: ACTIVATION OF THE EPO SWITCH LOCATED AT THE 2ND FLOOR MICROWAVE ROOM SHALL RESULT IN THE FOLLOWING SEQUENCE OF EVENTS:
   - * DISCONNECT MAIN LINE SUPPLY POWER TO THE FOLLOWING EQUIPMENT LOCATED IN THE 2ND FLOOR MICROWAVE ROOM:
     - * CONVENIENCE RECEPTACLE
     - * LIGHTS
     - * MOTOROLA EQUIPMENT SUPPLY CIRCUITS M1, M2, M3, AND M4.
     - * CU-6 AND CU-7
   - * ACTIVATE FIRE/SMOKE DAMPERS SERVING THE 2ND FLOOR MICROWAVE ROOM (AS APPLICABLE).
   - * ACTIVATE EPO PANEL LIGHT AND HORN.
   - * ACTIVATE ALARM ON BALTIMORE COUNTY'S SCADA SYSTEM (MISSION SYSTEM).
2. THE ABOVE SEQUENCE SHALL REMAIN IN PLACE.
3. IN ADDITION TO THE ABOVE SEQUENCE, ACTIVATION OF THE EXISTING EPO SWITCH LOCATED AT THE SECOND FLOOR MICROWAVE ROOM SHALL DISCONNECT POWER SUPPLYING RECEPTACLE SYMBOL DESIGNATION M3B (CKT 8(UPSM4-B) AND M4B (CKT 10(UPSM4-B)).

EXISTING 2ND FLOOR MICROWAVE ROOM EMERGENCY POWER OFF (EPO) CONTROL WIRING DIAGRAM

1 / E4.02

SCALE: NONE

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SEAL

STATE OF MARYLAND · DAVID WILSON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474 EXPIRATION DATE 01/23/2027
ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY: DATE:
DGN BY: MW
DWN BY: CW
CHKD BY: MW

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EXISTING 2ND FLOOR MICROWAVE ROOM EPO WIRING DIAGRAM
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

ARCHITECTURE

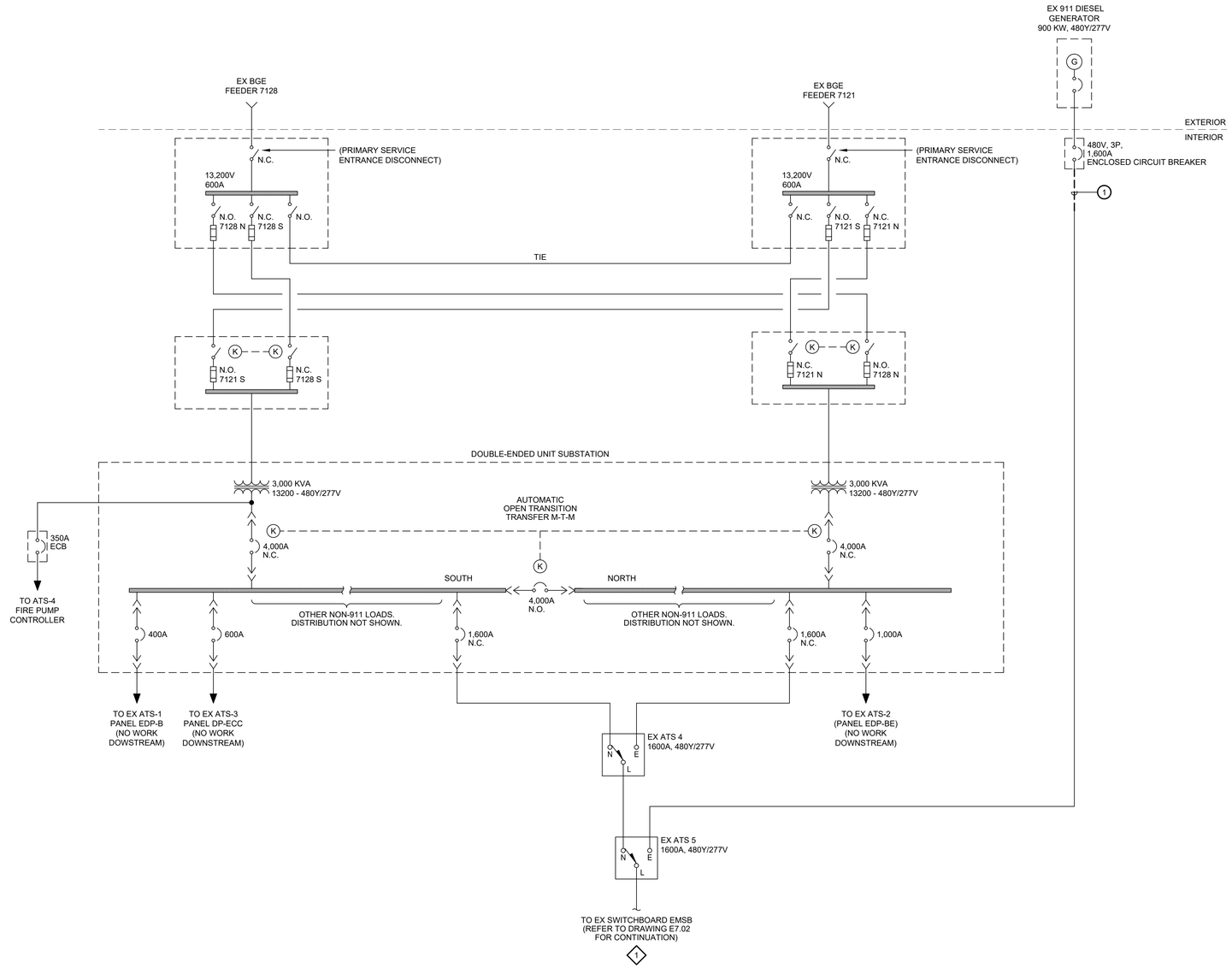
SHEET DESIGNATION	CONTRACT NO.
E4.02	25030-P00
JOB ORDER NO.	906388
SHEET 43 OF 60	
DRAWING NO.	2025-1402
FILE NO. 8	REV.

BKM# 23102.01

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E\E402

Plotted By: Denise Wilson | 4/10/2025 6:47 AM



1 PARTIAL ONE-LINE DIAGRAM - DEMOLITION

SCALE: NONE

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

○ DRAWING NOTES:

1. REMOVE PORTION OF FEEDER AS REQUIRED TO RECONNECT EXISTING DOWNSTREAM EQUIPMENT TO NEW EQUIPMENT. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.

PHASING NOTES:

1. THIS PHASING PLAN PROVIDES GENERAL PHASING GUIDELINES. THE CONTRACTOR SHALL DEVELOP A DETAILED PHASING PLAN BASED ON THESE GUIDELINES AND SUBMIT THE PHASING PLAN TO THE OWNER FOR APPROVAL DURING CONSTRUCTION AND BEFORE THE START OF ANY WORK. THE CONTRACTOR SHALL ATTEND ALL COORDINATION MEETINGS AS REQUIRED TO COORDINATE FINAL PHASING REQUIREMENTS WITH COUNTY PERSONNEL.
2. THIS IS AN ACTIVE 911 SITE. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT REQUIRE ANY ELECTRICAL OUTAGES OR IMPACT TO OPERATIONS UNLESS NOTED OTHERWISE BELOW.
3. ALL EQUIPMENT OUTAGES AND SWITCHING OPERATIONS SHALL BE COORDINATED WITH THE OWNER. PROVIDE AT LEAST 2 WEEKS ADVANCE WRITTEN NOTICE FOR ALL SUCH WORK.
4. ANY WORK THAT MAY POTENTIALLY CAUSE ANY OUTAGE SHALL BE PERFORMED AFTER NORMAL BUSINESS HOURS AND AS NOTED BELOW.
5. ANY WORK THAT REQUIRES EQUIPMENT OUTAGES OF ANY TYPE SHALL BE PERFORMED IN SUCH A MANNER AS TO KEEP ANY ASSOCIATED OUTAGE TO A MINIMUM.
6. ALL OUTAGES REFERRED TO BELOW SHALL NOT OCCUR DURING COUNTY DECLARED EMERGENCY OPERATIONS, INCLEMENT WEATHER, OR MAINTENANCE TIMES.
7. PROJECT MILESTONES SHALL BE COMPLETED IN THE FOLLOWING MAJOR STEPS:

   STEP 1. PROVIDE B DISTRIBUTION SYSTEM IN PLACE AS SHOWN ON DRAWINGS E7.03 AND E7.05 WITH THE EXCEPTION OF THE INSTALLATION OF PANEL GDP (LOCATED IN THE JUDGE'S GARAGE) AND PANELS UPSL1-B, UPSL2-B, UPSL3-B, UPSL4-B AND UPSL5-B (LOCATED IN THE DISPATCH ROOM).

   STEP 2. THE COUNTY WILL RELOCATE 911 PERSONNEL TO ANOTHER SITE LOCATION TO ALLOW OUTAGES TO PERFORM THIS STEP. PROVIDE REMAINING WORK TO COMPLETE THE INSTALLATION OF THE FULLY FUNCTIONAL B DISTRIBUTION SYSTEM AS SHOWN ON DRAWINGS E7.03 AND E7.05 INCLUDING, BUT NOT LIMITED TO, PANEL GDP (LOCATED IN THE JUDGE'S GARAGE) AND PANELS UPSL1-B, UPSL2-B, UPSL3-B, UPSL4-B, AND UPSL5-B (LOCATED IN THE DISPATCH ROOM).

   PROVIDE ALL B DISTRIBUTION SYSTEM RECEPTACLES AND ASSOCIATED CIRCUITS AS SHOWN ON DRAWINGS E1.02, E1.03, E2.01, E2.02, E2.03, E2.04, E2.07, E8.01, E8.02, E8.03, E8.04, E8.05, E8.06, E8.07, AND E8.08.

   CONNECT ALL EQUIPMENT TO THE B DISTRIBUTION SYSTEM.

   AFTER COMPLETION OF THIS STEP, THE B DISTRIBUTION SYSTEM IS IN PLACE AND ALL LOAD IS CONNECTED TO THE B DISTRIBUTION SYSTEM.

   CONFIRM PROPER OPERATION OF 911 CENTER EQUIPMENT.

   STEP 2 WILL REQUIRE A SUSTAINED OUTAGE TO PORTIONS OF THE 911 CENTER. STEP 2 SHALL BE COMPLETED FROM START TO FINISH DURING A SINGLE OUTAGE. PERFORM WORK CONTINUOUSLY TO REDUCE OUTAGE TIME. PROVIDE ALL PREPARATORY WORK AHEAD OF THE OUTAGE TO KEEP OVERALL OUTAGE TIME TO A MINIMUM.

   STEP 3. RETURN 911 PERSONNEL.

   STEP 4. REMOVE AND REPLACE EXISTING UPS A.

   STEP 5. PLUG IN ALL EQUIPMENT TO THEIR FINAL CONNECTIONS AS SHOWN IN EQUIPMENT SCHEDULES ON DRAWINGS E8.03, E8.04, E8.05, E8.06, E8.07, AND E8.08. AFTER COMPLETION OF THIS STEP, ALL LOADS ARE IN THEIR FINAL CONFIGURATION CONNECTED TO A DISTRIBUTION AND B DISTRIBUTION.

8. BRANCH CIRCUIT MODIFICATIONS TO EXISTING MOTOROLA RADIO CONSOLE RACKS AND MASTER SITE RACKS LOCATED WITHIN THE SERVER ROOM (EQUIPMENT SYMBOL DESIGNATION K1A THROUGH K75A AND L1A THROUGH L58A): THIS WORK INCLUDES DE-ENERGIZING AND RECONNECTION OF APPROXIMATELY ONE-HALF OF EXISTING RECEPTACLES AT EACH RACK FROM A DISTRIBUTION TO B DISTRIBUTION. THIS WORK SHALL BE PERFORMED DURING STEP 2 AND 5. PHASE THIS WORK SO THE TOTAL NUMBER OF EXISTING RECEPTACLES IS ACTIVE AT ALL TIMES. AS AN EXAMPLE, EXISTING RACK 1 SHALL HAVE 9 RECEPTACLES ACTIVE AT ALL TIMES DURING THE PROJECT. PROVIDE TEMPORARY RECEPTACLES AS REQUIRED DURING CONSTRUCTION TO MEET THIS REQUIREMENT.
9. BRANCH CIRCUIT MODIFICATIONS TO EXISTING COUNTY (NON-MOTOROLA) RACKS LOCATED WITHIN THE SERVER ROOM (EQUIPMENT SYMBOL DESIGNATION A1A THROUGH J4A): THIS WORK INCLUDES DE-ENERGIZING AND RECONNECTION OF APPROXIMATELY ONE-HALF OF EXISTING RECEPTACLES AT EACH RACK FROM A DISTRIBUTION TO B DISTRIBUTION. THIS WORK SHALL BE PERFORMED DURING STEP 2 AND STEP 5. PHASE THIS WORK SO THE TOTAL NUMBER OF EXISTING RECEPTACLES IS ACTIVE AT ALL TIMES. AS AN EXAMPLE, EXISTING MS SERVERS CABINET 4 SHALL HAVE 4 RECEPTACLES ACTIVE AT ALL TIMES DURING THE PROJECT. PROVIDE TEMPORARY RECEPTACLES AS REQUIRED DURING CONSTRUCTION TO MEET THIS REQUIREMENT.
10. BRANCH CIRCUIT MODIFICATIONS TO EXISTING OPERATOR POSITIONS 1 THROUGH 48: THIS WORK INCLUDES THE DE-ENERGIZATION AND RECONNECTION OF EXISTING A DISTRIBUTION RECEPTACLES AND ADDITION OF NEW B DISTRIBUTION RECEPTACLES. AN OUTAGE AT THE INDIVIDUAL OPERATOR POSITION WILL BE REQUIRED FOR THIS WORK. THIS WORK SHALL BE PERFORMED DURING STEP 2 AND STEP 5.
11. BRANCH CIRCUIT MODIFICATIONS TO EXISTING OPERATOR POSITIONS 49 THROUGH 64: THIS WORK INCLUDES THE DE-ENERGIZATION AND RECONNECTION OF EXISTING A DISTRIBUTION RECEPTACLES AND ADDITION OF NEW B DISTRIBUTION RECEPTACLES. AN OUTAGE AT THE INDIVIDUAL OPERATOR POSITION WILL BE REQUIRED FOR THIS WORK. THIS WORK SHALL BE PERFORMED DURING STEP 2 AND STEP 5.

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E1E701 E702 ONE-LINE

Plotted By: Denise Wilson 14:10:2025 6:47 AM

SEAL

STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY DMW
DWN BY DCW
CHKD BY DMW

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.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
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P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PARTIAL ONE-LINE DIAGRAM – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E7.01	25030-P00
	JOB ORDER NO. 906388
	SHEET 44 OF 60
	DRAWING NO. 2025-1403
	FILE NO. 8 REV.

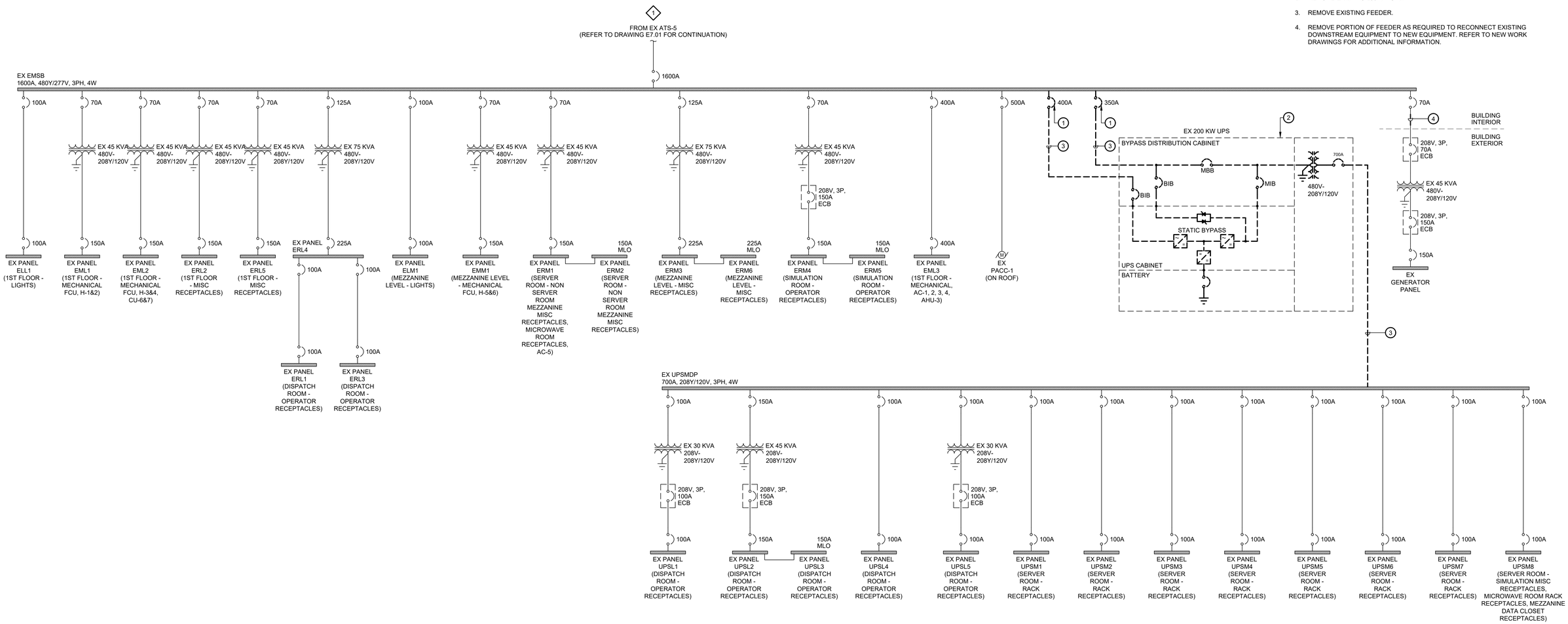
BKM# 23102.01

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

○ DRAWING NOTES:

1. REMOVE EXISTING CIRCUIT BREAKER.
2. REMOVE EXISTING 200 KW UPS.
3. REMOVE EXISTING FEEDER.
4. REMOVE PORTION OF FEEDER AS REQUIRED TO RECONNECT EXISTING DOWNSTREAM EQUIPMENT TO NEW EQUIPMENT. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.



1 PARTIAL ONE-LINE DIAGRAM - DEMOLITION

SCALE: NONE

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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SEAL

STATE OF MARYLAND — DAVID MASON WETZEL — NO. 30474 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 2025

PROFESSIONAL CERTIFICATION

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LICENSE NO. 30474, EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY: DMW
DWN BY: DCW
CHKD BY: DMW

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.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PARTIAL ONE-LINE DIAGRAM – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
E7.02	25030-P00
JOB ORDER NO.	906388
SHEET 45 OF 60	
DRAWING NO.	2025-1404
FILE NO. 8	REV.

BALTIMORE COUNTY MARYLAND

BKM# 23102.01

DWG FILENAME: 001A107

Plotted By: Denise Wilson | 4/10/2025 6:47 AM

ARL: G:\23102.01\Drawings\Acad\E\E701 E702 ONE-LINE

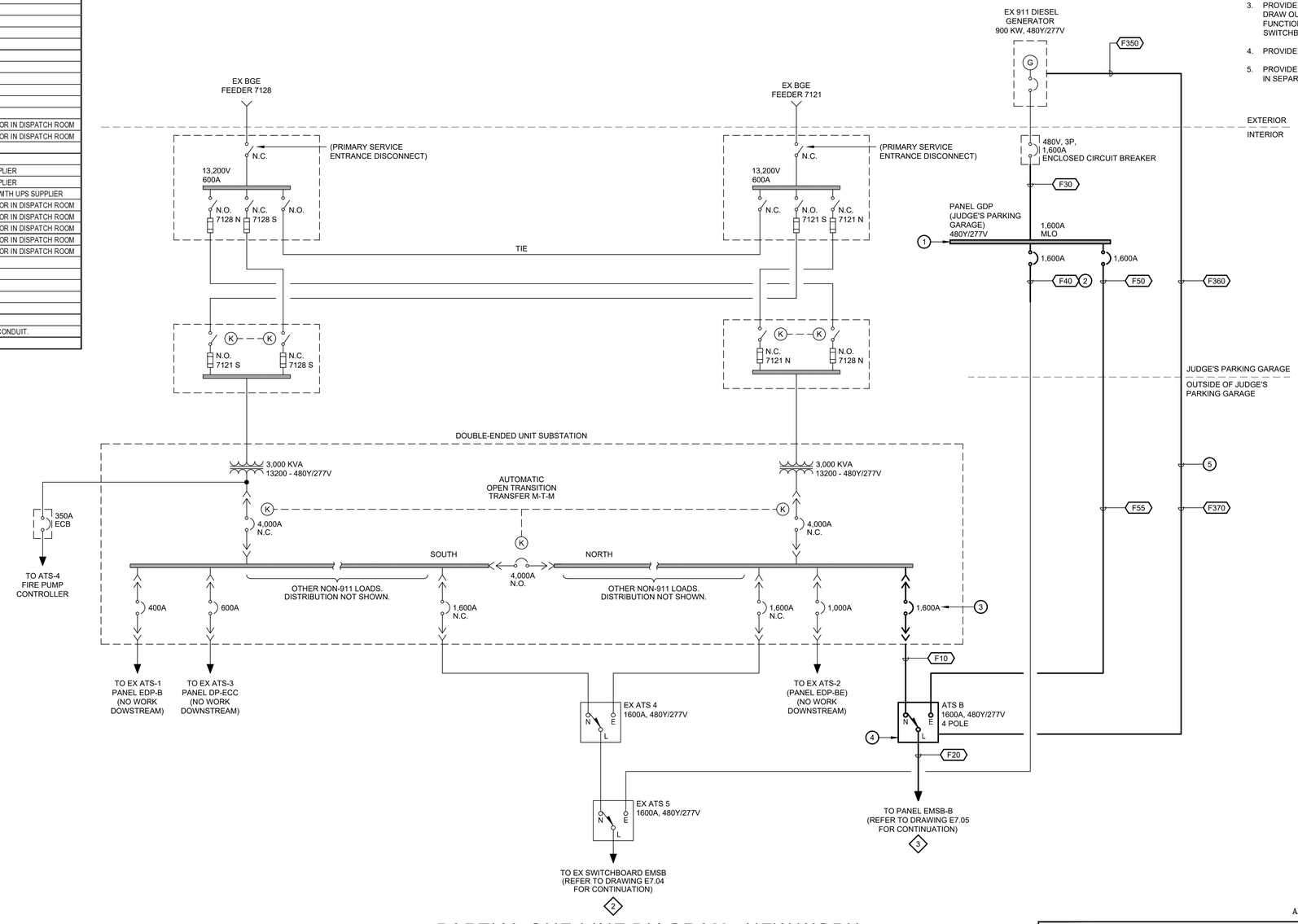
FEEDER NO. XXX

FEEDER SCHEDULE

FEEDER NO.	WIRING & CONDUIT NO.	SIZE	GND	C	COMMENTS
10	4	600	4/0	3-1/2"	4 SETS EACH
20	4	600	4/0	3-1/2"	4 SETS EACH
30	4	600	4/0	3-1/2"	4 SETS EACH
40	4	600	500	4"	8 SETS EACH
50	4	600	500	4"	8 SETS EACH
55	4	600	500	4"	8 SETS EACH, 2 HOUR FIRE RESISTIVE CABLES IN CONDUIT
60	4	3/0	6	2"	CONFIRM FINAL SIZE WITH UPS SUPPLIER
70	4	1/0	6	2"	CONFIRM FINAL SIZE WITH UPS SUPPLIER
80	4	2/0	3	2"	2 SETS EACH, CONFIRM FINAL SIZE WITH UPS SUPPLIER
90	4	1	6	1-1/2"	
95	4	1	6	1-1/2"	
100	3	4	8	1"	
110	4	1	6	1-1/2"	
105	3	10	10	3/4"	
106	4	6	8	1"	
120	4	4	10	1-1/4"	
130	4	3/0	3	2"	2 SETS
140	3	10	10	3/4"	
150	4	4	8	1-1/4"	
160	3	1	6	1-1/2"	
170	4	250	2	2-1/2"	
180	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
190	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
200	4	1	8	1-1/2"	
205	4	1	8	1-1/2"	
210	4	3/0	6	2"	CONFIRM FINAL SIZE WITH UPS SUPPLIER
220	4	1/0	6	2"	CONFIRM FINAL SIZE WITH UPS SUPPLIER
230	4	2/0	3	2"	2 SETS EACH, CONFIRM FINAL SIZE WITH UPS SUPPLIER
260	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
270	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
280	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
290	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
300	4	1	8	1-1/2"	ROUTE FEEDER UNDER RAISED FLOOR IN DISPATCH ROOM
310	4	1	8	1-1/2"	
320	4	1	8	1-1/2"	
330	4	1	8	1-1/2"	
340	4	1	8	1-1/2"	
350	2	8	8	-	IN EXISTING DUCTBANK
360	2	8	8	3/4"	
370	2	8	8	3/4"	2 HOUR FIRE RESISTIVE CABLES IN CONDUIT.

NOTES:

1. PROVIDE FEEDER.



1 PARTIAL ONE-LINE DIAGRAM - NEW WORK

SCALE: NONE

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

○ DRAWING NOTES:

1. PROVIDE SWITCHBOARD.
2. PROVIDE FEEDER SECTION AS REQUIRED TO RECONNECT EXISTING EQUIPMENT TO NEW EQUIPMENT.
3. PROVIDE CIRCUIT BREAKER IN EXISTING SWITCHBOARD. PROVIDE 1,600A DRAW OUT LOW VOLTAGE POWER CIRCUIT BREAKER WITH LSI TRIP FUNCTIONS TO MATCH EXISTING SWITCHBOARD CIRCUIT BREAKERS. EXISTING SWITCHBOARD IS BY SQUARE D.
4. PROVIDE ATS.
5. PROVIDE DEDICATED STARTING CIRCUIT TO EXISTING 911 DIESEL GENERATOR IN SEPARATE CONDUIT.

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
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HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

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. 30474 EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE : APRIL 10, 2025

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

PARTIAL ONE-LINE DIAGRAM – NEW WORK

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
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Baltimore, Maryland 21209
P. 410.323.0600
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SHEET DESIGNATION	CONTRACT NO.
E7.03	25030-P00

JOB ORDER NO.
906388
SHEET 46 OF 60
DRAWING NO.
2025-1405
FILE NO. 8 REV.

BKM# 23102.01

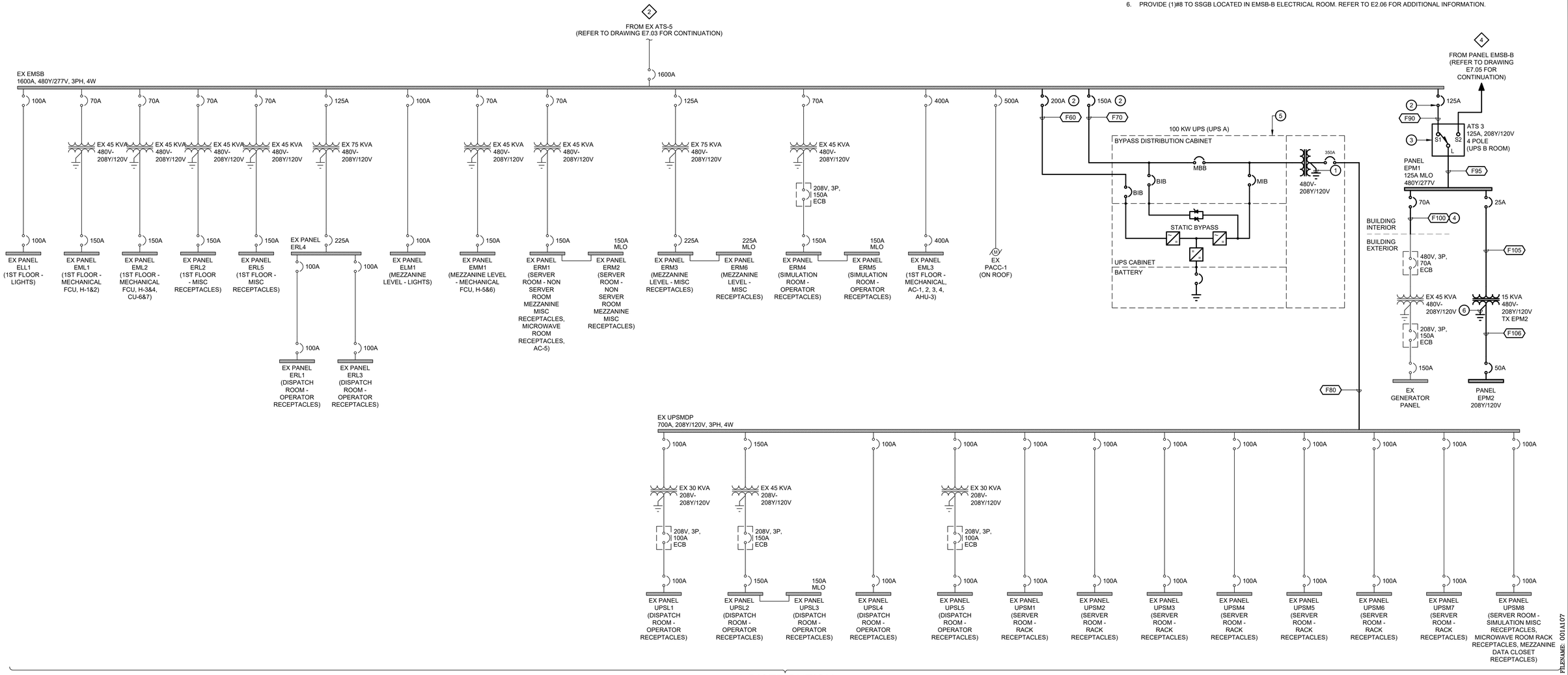
DWG FILENAME: 0014107

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

○ DRAWING NOTES:

1. PROVIDE (1)#2 TO EXISTING SERVER ROOM MAIN SSGB. REFER TO E2.03 FOR ADDITIONAL INFORMATION.
2. PROVIDE CIRCUIT BREAKER. PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.
3. PROVIDE ATS. ATS SEQUENCE OF OPERATION: PRIMARY SOURCE IS S1. ATS SHALL SEEK THE LINE SOURCE. UPON LOSS OF S1, ATS SHALL AUTOMATICALLY SWITCH TO S2. WHEN S1 IS RESTORED, ATS SHALL AUTOMATICALLY SWITCH BACK TO S1.
4. PROVIDE FEEDER SECTION AS REQUIRED TO RECONNECT EXISTING EQUIPMENT TO NEW EQUIPMENT.
5. 100 KW (UPS A) SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE ALL COORDINATION AND INSTALLATION.
6. PROVIDE (1)#8 TO SSGB LOCATED IN EMSB-B ELECTRICAL ROOM. REFER TO E2.06 FOR ADDITIONAL INFORMATION.



A DISTRIBUTION
EMERGENCY DISTRIBUTION SYSTEM
(NEC ARTICLE 700)

1 PARTIAL ONE-LINE DIAGRAM - NEW WORK

SCALE: NONE

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SEAL	PROFESSIONAL CERTIFICATION	AS–BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	PROPERTY MANAGEMENT
STATE OF MARYLAND · DAVID MASON WEYZEL · No. 30474 · 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. 30474 EXPIRATION DATE 01/23/2027				R.O.W NO.	NNW	38 NE 2	PLAN SCALE:	APPROVED BY: DIRECTOR
DATE : APRIL 10, 2025	ENGINEER: DAVID WEYZEL Burdette, koehler, Murphy & Assoc. Inc.	CONTRACT COMPLETION BOX						PROFILE SCALE:	DATE:
	AS–BUILT PER RECORD PRINT BY: DATE:	BUREAU OF ENGINEERING AND CONSTRUCTION / TRAFFIC / HIGHWAYS / STRUCTURES / STORM DRAINS / SEWER / WATER / FIELD ENGINEER							
	DGN BY: DWN BY: CHKD BY:	REVIEWED BY: DATE REVIEWED:							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PARTIAL ONE–LINE DIAGRAM – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

ARCHITECTURE

SHEET DESIGNATION	CONTRACT NO.
E7.04	25030–P00
	JOB ORDER NO. 906388
	SHEET 47 OF 60
	DRAWING NO. 2025–1406
	FILE NO. 8 REV

BALTIMORE COUNTY MARYLAND

BKM# 23102.01

DWG FILENAME: 001A107

Plotted By: Denise Wilson | 4/10/2025 6:49 AM

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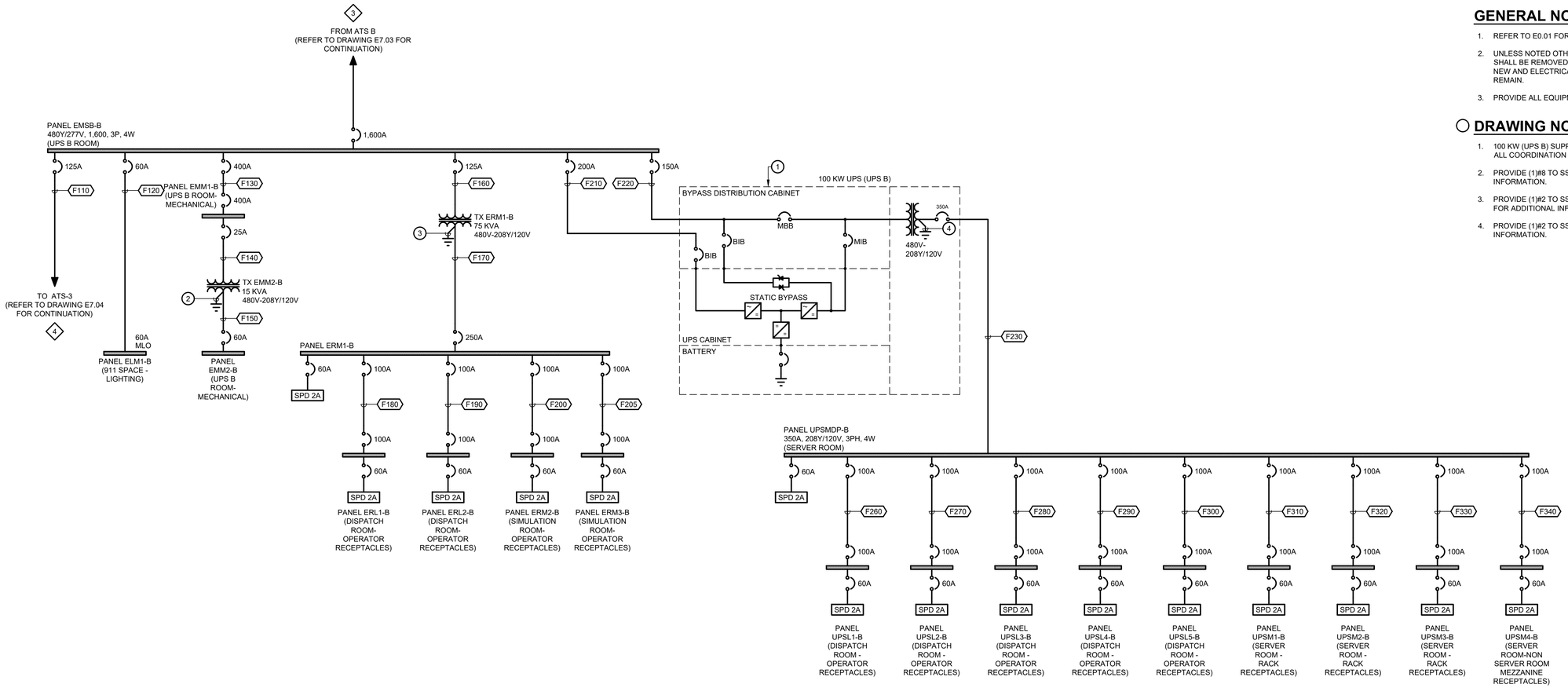

B DISTRIBUTION
EMERGENCY DISTRIBUTION SYSTEM
(NEC ARTICLE 700)

GENERAL NOTES:

1. REFER TO E0.01 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (– – –) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (———) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (———) SHALL BE EXISTING TO REMAIN.
3. PROVIDE ALL EQUIPMENT SHOWN UNLESS NOTED OTHERWISE.

DRAWING NOTES:

1. 100 KW (UPS B) SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE ALL COORDINATION AND INSTALLATION.
2. PROVIDE (1)#8 TO SSGB LOCATED IN UPS B ROOM. REFER TO E2.06 FOR ADDITIONAL INFORMATION.
3. PROVIDE (1)#2 TO SSGB LOCATED IN EMSB-B ELECTRICAL ROOM. REFER TO E2.06 FOR ADDITIONAL INFORMATION.
4. PROVIDE (1)#2 TO SSGB LOCATED IN UPS B ROOM. REFER TO E2.06 FOR ADDITIONAL INFORMATION.

1 PARTIAL ONE-LINE DIAGRAM - NEW WORK

SCALE: NONE

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
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bkm
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Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
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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. 30474, EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DATE : APRIL 10, 2025

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
PARTIAL ONE-LINE DIAGRAM – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E7.05	25030-P00

JOB ORDER NO. 906388
SHEET 48 OF 60
DRAWING NO. 2025-1407
FILE NO. 8 REV.

BKM# 23102.01

DWG FILENAME: 001A107

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EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
	A1A	CAD WORKSTATION	WORK STATION 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-1	UNDER RAISED FLOOR	NOTE 1
	A2A	CAD WORKSTATION	WORK STATION 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-2	UNDER RAISED FLOOR	NOTE 2
	A3A	CAD WORKSTATION	WORK STATION 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-3	UNDER RAISED FLOOR	NOTE 1
	A4A	CAD WORKSTATION	WORK STATION 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-4	UNDER RAISED FLOOR	NOTE 2
	A5A	CAD WORKSTATION	WORK STATION 3	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-5	UNDER RAISED FLOOR	NOTE 1
	A6A	CAD WORKSTATION	WORK STATION 3	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-6	UNDER RAISED FLOOR	NOTE 2
	B1A	LOGGERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-7	UNDER RAISED FLOOR	NOTE 1
	B2A	LOGGERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-8	UNDER RAISED FLOOR	NOTE 2
	B3A	LOGGERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-9	UNDER RAISED FLOOR	NOTE 1
	B4A	LOGGERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-10	UNDER RAISED FLOOR	NOTE 2
	C1A	SIEMENS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-11	UNDER RAISED FLOOR	NOTE 1
	C2A	SIEMENS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-2	UNDER RAISED FLOOR	NOTE 2
	C3A	SIEMENS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-13	UNDER RAISED FLOOR	NOTE 1
	C4A	SIEMENS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-4	UNDER RAISED FLOOR	NOTE 2
	C5A	SIEMENS	CABINET 3	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-15	UNDER RAISED FLOOR	NOTE 1
	C6A	SIEMENS	CABINET 3	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-6	UNDER RAISED FLOOR	NOTE 2
	D1A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-1	UNDER RAISED FLOOR	NOTE 1
	D2A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-12	UNDER RAISED FLOOR	NOTE 2
	D3A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-3	UNDER RAISED FLOOR	NOTE 1
	D4A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-14	UNDER RAISED FLOOR	NOTE 2
	D5A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-5	UNDER RAISED FLOOR	NOTE 1
	D6A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-16	UNDER RAISED FLOOR	NOTE 2
	D7A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-7	UNDER RAISED FLOOR	NOTE 1
	D8A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-18	UNDER RAISED FLOOR	NOTE 2
	E1A	MS SERVERS	CABINET 1	MISCELLANEOUS	IEC PIN & SLEEVE	SIMPLEX	UPSM1-17,19,21	UNDER RAISED FLOOR	NOTE 3
	E2A	MS SERVERS	CABINET 1	MISCELLANEOUS	IEC PIN & SLEEVE	SIMPLEX	UPSM2-8,10,12	UNDER RAISED FLOOR	NOTE 3
	E3A	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-23	UNDER RAISED FLOOR	NOTE 1
	E4A	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-20	UNDER RAISED FLOOR	NOTE 2
	E5A	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-25	UNDER RAISED FLOOR	NOTE 3
	E6A	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-28	UNDER RAISED FLOOR	NOTE 3
	F1A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-27	UNDER RAISED FLOOR	NOTE 1
	F2A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-24	UNDER RAISED FLOOR	NOTE 2
	F3A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-29	UNDER RAISED FLOOR	NOTE 1
	F4A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-26	UNDER RAISED FLOOR	NOTE 2
	F5A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-31	UNDER RAISED FLOOR	NOTE 1
	F6A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-28	UNDER RAISED FLOOR	NOTE 2
	F7A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-33	UNDER RAISED FLOOR	NOTE 1
	F8A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-30	UNDER RAISED FLOOR	NOTE 2
	G1A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-9	UNDER RAISED FLOOR	NOTE 1
	G2A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-32	UNDER RAISED FLOOR	NOTE 2
	G3A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-11	UNDER RAISED FLOOR	NOTE 1
	G4A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM1-34	UNDER RAISED FLOOR	NOTE 2
	H1A	RS6000S	CABINET 1	MISCELLANEOUS	L6-30R	SIMPLEX	UPSM2-13,15	UNDER RAISED FLOOR	NOTE 1
	H2A	RS6000S	CABINET 1	MISCELLANEOUS	L6-30R	SIMPLEX	UPSM2-14,16	UNDER RAISED FLOOR	NOTE 2
	H3A	RS6000S	CABINET 2	MISCELLANEOUS	L6-30R	SIMPLEX	UPSM2-17,19	UNDER RAISED FLOOR	NOTE 1
	H4A	RS6000S	CABINET 2	MISCELLANEOUS	L6-30R	SIMPLEX	UPSM2-18,20	UNDER RAISED FLOOR	NOTE 2
	J1A	SECURITY GROWTH	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-21	UNDER RAISED FLOOR	NOTE 1
	J2A	SECURITY GROWTH	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-22	UNDER RAISED FLOOR	NOTE 2
	J3A	SECURITY GROWTH	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-23	UNDER RAISED FLOOR	NOTE 1
	J4A	SECURITY GROWTH	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	UPSM2-24	UNDER RAISED FLOOR	NOTE 2
	K1A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-1	IN CEILING SPACE	NOTE 1
	K2A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-2	IN CEILING SPACE	NOTE 1
	K3A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-3	IN CEILING SPACE	NOTE 2
	K4A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-4	IN CEILING SPACE	NOTE 2
	K5A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-1	UNDER RAISED FLOOR	NOTE 1
	K6A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-2	UNDER RAISED FLOOR	NOTE 1
	K7A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-3	UNDER RAISED FLOOR	NOTE 2
	K8A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-4	UNDER RAISED FLOOR	NOTE 2
	K9A	MOTOROLA RADIO CONSOLE	RACK 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-5	UNDER RAISED FLOOR	NOTE 1

EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
	K10A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-6	IN CEILING SPACE	NOTE 1
	K11A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-5	IN CEILING SPACE	NOTE 1
	K12A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-8	IN CEILING SPACE	NOTE 2
	K13A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-7	IN CEILING SPACE	NOTE 2
	K14A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-6	UNDER RAISED FLOOR	NOTE 1
	K15A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-7	UNDER RAISED FLOOR	NOTE 1
	K16A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-8	UNDER RAISED FLOOR	NOTE 2
	K17A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-9	UNDER RAISED FLOOR	NOTE 2
	K18A	MOTOROLA RADIO CONSOLE	RACK 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-10	UNDER RAISED FLOOR	NOTE 1
	K19A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-9	IN CEILING SPACE	NOTE 1
	K20A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-10	IN CEILING SPACE	NOTE 1
	K21A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-11	IN CEILING SPACE	NOTE 2
	K22A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-12	IN CEILING SPACE	NOTE 2
	K23A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-11	UNDER RAISED FLOOR	NOTE 1
	K24A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-12	UNDER RAISED FLOOR	NOTE 1
	K25A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-13	UNDER RAISED FLOOR	NOTE 2
	K26A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-14	UNDER RAISED FLOOR	NOTE 2
	K27A	MOTOROLA RADIO CONSOLE	RACK 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-15	UNDER RAISED FLOOR	NOTE 1
	K28A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-14	IN CEILING SPACE	NOTE 1
	K29A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-13	IN CEILING SPACE	NOTE 1
	K30A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-16	IN CEILING SPACE	NOTE 2
	K31A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM7-15	IN CEILING SPACE	NOTE 2
	K32A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-16	UNDER RAISED FLOOR	NOTE 1
	K33A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-17	UNDER RAISED FLOOR	NOTE 1
	K34A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-18	UNDER RAISED FLOOR	NOTE 2
	K35A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	UPSM5-19	UNDER RAISED FLOOR	NOTE 2
	K36A	MOTOROLA RADIO CONSOLE	RACK 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-20	UNDER RAISED FLOOR	NOTE 1
	K37A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	UPSM7-17	IN CEILING SPACE	NOTE 1
	K38A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	UPSM7-18	IN CEILING SPACE	NOTE 1
	K39A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	UPSM7-19	IN CEILING SPACE	NOTE 2
	K40A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	UPSM7-20	IN CEILING SPACE	NOTE 2
	K41A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	UPSM5-21	UNDER RAISED FLOOR	NOTE 1
	K42A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	UPSM5-22	UNDER RAISED FLOOR	NOTE 1
	K43A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	UPSM5-23	UNDER RAISED FLOOR	NOTE 2
	K44A	MOTOROLA RADIO CONSOLE	RACK 5	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-24	UNDER RAISED FLOOR	NOTE 2
	K45A	MOTOROLA RADIO CONSOLE	RACK 6	CCGW 1 FOR SMARTNET INTERFACE	5-15R	SIMPLEX	UPSM7-21	IN CEILING SPACE	NOTE 1
	K46A	MOTOROLA RADIO CONSOLE	RACK 6	AUX I/O (SD3000)	5-15R	SIMPLEX	UPSM7-22	IN CEILING SPACE	NOTE 1
	K47A	MOTOROLA RADIO CONSOLE	RACK 6	RAVEN FAILSOFT INDICATOR	5-15R	SIMPLEX	UPSM7-23	IN CEILING SPACE	NOTE 2
	K48A	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	UPSM7-24	IN CEILING SPACE	NOTE 2
	K49A	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	UPSM5-25	UNDER RAISED FLOOR	NOTE 1
	K50A	MOTOROLA RADIO CONSOLE	RACK 6	RAVEN FAILSOFT INDICATOR	5-15R	SIMPLEX	UPSM5-26	UNDER RAISED FLOOR	NOTE 1
	K51A	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	UPSM5-27	UNDER RAISED FLOOR	NOTE 2
	K52A	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	UPSM5-28	UNDER RAISED FLOOR	NOTE 2
	K53A	MOTOROLA RADIO CONSOLE	RACK 6	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM5-29	UNDER RAISED FLOOR	NOTE 1
	K54A	MOTOROLA RADIO CONSOLE	RACK 7	S6000 ROUTER 1	5-15R	SIMPLEX	UPSM7-26	IN CEILING SPACE	NOTE 1
	K55A	MOTOROLA RADIO CONSOLE	RACK 7	S6000 ROUTER 2	5-15R	SIMPLEX	UPSM7-25	IN CEILING SPACE	NOTE 1
	K56A	MOTOROLA RADIO CONSOLE	RACK 7	HP2610 SWITCH 1	5-15R	SIMPLEX	UPSM7-28	IN CEILING SPACE	NOTE 1
	K57A	MOTOROLA RADIO CONSOLE	RACK 7	HP2610 SWITCH 2	5-15R	SIMPLEX	UPSM7-27	IN CEILING SPACE	NOTE 2
	K58A	MOTOROLA RADIO CONSOLE	RACK 7	CCGW 1 (ST2500)	5-15R	SIMPLEX	UPSM7-30	IN CEILING SPACE	NOTE 2
	K59A	MOTOROLA RADIO CONSOLE	RACK 7	CCGW 2 (ST2500)	5-15R	SIMPLEX	UPSM7-29	IN CEILING SPACE	NOTE 2
	K60A	MOTOROLA RADIO CONSOLE	RACK 7	OPS WARE - DCD DL360 (2PS)	5-15R	SIMPLEX	UPSM5-30	UNDER RAISED FLOOR	NOTE 1
	K61A	MOTOROLA RADIO CONSOLE	RACK 7	OPS WARE - DCD DL360 (2PS)	5-15R	SIMPLEX	UPSM5-31	UNDER RAISED FLOOR	NOTE 1
	K62A	MOTOROLA RADIO CONSOLE	RACK 7	VPM	5-15R	SIMPLEX	UPSM5-32	UNDER RAISED FLOOR	NOTE 1
	K63A	MOTOROLA RADIO CONSOLE	RACK 7	AIS	5-15R	SIMPLEX	UPSM5-33	UNDER RAISED FLOOR	NOTE 2
	K64A	MOTOROLA RADIO CONSOLE	RACK 7	CHANNEL BANK (2 PS)	5-15R	SIMPLEX	UPSM5-34	UNDER RAISED FLOOR	NOTE 2
	K65A	MOTOROLA RADIO CONSOLE	RACK 7	CHANNEL BANK (2 PS)	5-15R	SIMPLEX	UPSM6-1	UNDER RAISED FLOOR	NOTE 2
	K66A	MOTOROLA RADIO CONSOLE	RACK 7	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM6-2	UNDER RAISED FLOOR	NOTE 1
	K67A	MOTOROLA RADIO CONSOLE	RACK 8	CONVENTIONAL SITE CONTROLLER (GCP 8000)	5-15R	SIMPLEX	UPSM7-31	IN CEILING SPACE	NOTE 1
	K68A	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 3 (ST2500)	5-15R	SIMPLEX	UPSM7-32	IN CEILING SPACE	NOTE 1
	K69A	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 4 (ST2500)	5-15R	SIMPLEX	UPSM7-33	IN CEILING SPACE	NOTE 2
	K70A	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 5 (ST2500)	5-15R	SIMPLEX	UPSM7-34	IN CEILING SPACE	NOTE 2
	K71A	MOTOROLA RADIO CONSOLE	RACK 8	VPM	5-15R	SIMPLEX	UPSM6-3	UNDER RAISED FLOOR	NOTE 1
	K72A	MOTOROLA RADIO CONSOLE	RACK 8	AIS	5-15R	SIMPLEX	UPSM6-4	UNDER RAISED FLOOR	NOTE 1
	K73A	MOTOROLA RADIO CONSOLE	RACK 8	16 PORT KVM SWITCH & PULL OUT LCD BLACK	5-15R	DUPLEX	UPSM6-5	UNDER RAISED FLOOR	NOTE 2
	K74A	MOTOROLA RADIO CONSOLE	RACK 8	TEST EQUIPMENT POWER STRIP	5-15R	SIMPLEX	UPSM6-6	UNDER RAISED FLOOR	NOTE 2
	K75A	MOTOROLA RADIO CONSOLE	RACK 8	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM6-7	UNDER RAISED FLOOR	NOTE 1

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. RESUPPLY EXISTING RECEPTACLE WITH SUPPLY CIRCUIT SHOWN. PROVIDE SUPPLY CIRCUIT.
3. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT SHOWN. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING SERVER ROOM INTERNAL GROUNDING SYSTEM VIA THE LOCAL SSGB OR IPGB.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

SEAL

STATE OF MARYLAND — DAVID WILSON WETZEL — No. 30474 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474 EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EQUIPMENT CONNECTION SCHEDULES – SERVER ROOM – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P. 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
E8.01	25030-P00
	JOB ORDER NO.
	906388
	SHEET 49 OF 60
	DRAWING NO.
	2025-1408
	FILE NO. 8 REV.

BALTIMORE COUNTY MARYLAND

BKM# 23102.01

DWG FILENAME: 0014107

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EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
	L1A	MOTOROLA MASTER SITE RACK	CABINET 1	UNC/UCS (SUN NETRA T5220-2 PS)	5-15R	SIMPLEX	UPSM3-1	UNDER RAISED FLOOR	NOTE 1
	L2A	MOTOROLA MASTER SITE RACK	CABINET 1	UNC/UCS (SUN NETRA T5220-2 PS)	5-15R	SIMPLEX	UPSM3-2	UNDER RAISED FLOOR	NOTE 1
	L3A	MOTOROLA MASTER SITE RACK	CABINET 1	ZSS (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-3	UNDER RAISED FLOOR	NOTE 2
	L4A	MOTOROLA MASTER SITE RACK	CABINET 1	ZSS (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-4	UNDER RAISED FLOOR	NOTE 1
	L5A	MOTOROLA MASTER SITE RACK	CABINET 1	NM/ZC2 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-5	UNDER RAISED FLOOR	NOTE 1
	L6A	MOTOROLA MASTER SITE RACK	CABINET 1	NM/ZC2 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-6	UNDER RAISED FLOOR	NOTE 2
	L7A	MOTOROLA MASTER SITE RACK	CABINET 1	ZM/ZC1 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-7	UNDER RAISED FLOOR	NOTE 1
	L8A	MOTOROLA MASTER SITE RACK	CABINET 1	ZM/ZC1 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	UPSM3-8	UNDER RAISED FLOOR	NOTE 1
	L9A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 1 (2 PS)	5-15R	SIMPLEX	UPSM3-9	UNDER RAISED FLOOR	NOTE 2
	L10A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 1 (2 PS)	5-15R	SIMPLEX	UPSM3-10	UNDER RAISED FLOOR	NOTE 1
	L11A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 2 (2 PS)	5-15R	SIMPLEX	UPSM3-11	UNDER RAISED FLOOR	NOTE 1
	L12A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 2 (2 PS)	5-15R	SIMPLEX	UPSM3-12	UNDER RAISED FLOOR	NOTE 2
	L13A	MOTOROLA MASTER SITE RACK	CABINET 1	CSMS (HP PROLIANT DL360 G5 SINGLE PS)	5-15R	SIMPLEX	UPSM3-13	UNDER RAISED FLOOR	NOTE 1
	L14A	MOTOROLA MASTER SITE RACK	CABINET 1	CSMS (HP PROLIANT DL360 G5 SINGLE PS)	5-15R	SIMPLEX	UPSM3-14	UNDER RAISED FLOOR	NOTE 2
	L15A	MOTOROLA MASTER SITE RACK	CABINET 1	FIREWALL MANAGEMENT SERVER	5-15R	SIMPLEX	UPSM3-15	UNDER RAISED FLOOR	NOTE 2
	L16A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - DCD DL360 (2PS)	5-15R	SIMPLEX	UPSM3-16	UNDER RAISED FLOOR	NOTE 1
	L17A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - DCD DL360 (2PS)	5-15R	SIMPLEX	UPSM3-17	UNDER RAISED FLOOR	NOTE 2
	L18A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - JUNIPER SSG 20 FIREWALL	5-15R	SIMPLEX	UPSM3-18	UNDER RAISED FLOOR	NOTE 2
	L19A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - SERVER DELL POWEREDGE 1950	5-15R	SIMPLEX	UPSM3-19	UNDER RAISED FLOOR	NOTE 1
	L20A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - SERVER DELL POWEREDGE 1950	5-15R	SIMPLEX	UPSM3-20	UNDER RAISED FLOOR	NOTE 2
	L21A	MOTOROLA MASTER SITE RACK	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM3-21	UNDER RAISED FLOOR	NOTE 2
	L22A	MOTOROLA MASTER SITE RACK	CABINET 2	GATEWAY ROUTER 1 (ST6000)	5-15R	SIMPLEX	UPSM3-22	UNDER RAISED FLOOR	NOTE 1
	L23A	MOTOROLA MASTER SITE RACK	CABINET 2	GATEWAY ROUTER 2 (ST6000)	5-15R	SIMPLEX	UPSM3-23	UNDER RAISED FLOOR	NOTE 1
	L24A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE SWITCH 1) (HP3500)	5-15R	SIMPLEX	UPSM3-24	UNDER RAISED FLOOR	NOTE 2
	L25A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE SWITCH 2) (HP3500)	5-15R	SIMPLEX	UPSM3-25	UNDER RAISED FLOOR	NOTE 1
	L26A	MOTOROLA MASTER SITE RACK	CABINET 2	HP REDUNDANT PS	5-15R	SIMPLEX	UPSM3-26	UNDER RAISED FLOOR	NOTE 1
	L27A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE ROUTER 1) (ST6000)	5-15R	SIMPLEX	UPSM3-27	UNDER RAISED FLOOR	NOTE 2
	L28A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE ROUTER 2) (ST6000)	5-15R	SIMPLEX	UPSM3-28	UNDER RAISED FLOOR	NOTE 1
	L29A	MOTOROLA MASTER SITE RACK	CABINET 2	GGSN ROUTER (ST6000)	5-15R	SIMPLEX	UPSM3-29	UNDER RAISED FLOOR	NOTE 2
	L30A	MOTOROLA MASTER SITE RACK	CABINET 2	OBM/TERMINAL SERVER (2 PS)	5-15R	SIMPLEX	UPSM3-30	UNDER RAISED FLOOR	NOTE 2
	L31A	MOTOROLA MASTER SITE RACK	CABINET 2	OBM/TERMINAL SERVER (2 PS)	5-15R	SIMPLEX	UPSM3-31	UNDER RAISED FLOOR	NOTE 1
	L32A	MOTOROLA MASTER SITE RACK	CABINET 2	MOSCAD SNT (SDM3000)	5-15R	SIMPLEX	UPSM3-32	UNDER RAISED FLOOR	NOTE 2
	L33A	MOTOROLA MASTER SITE RACK	CABINET 2	MOSCAD SDM3000 ADVANCE	5-15R	SIMPLEX	UPSM3-33	UNDER RAISED FLOOR	NOTE 2
	L34A	MOTOROLA MASTER SITE RACK	CABINET 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM3-34	UNDER RAISED FLOOR	NOTE 1
	L35A	MOTOROLA MASTER SITE RACK	CABINET 3	JUNIPER SSG140 FIREWALL	5-15R	SIMPLEX	UPSM4-1	UNDER RAISED FLOOR	NOTE 1
	L36A	MOTOROLA MASTER SITE RACK	CABINET 3	DMZ (HP2610)	5-15R	SIMPLEX	UPSM4-2	UNDER RAISED FLOOR	NOTE 1
	L37A	MOTOROLA MASTER SITE RACK	CABINET 3	PN ROUTER (ST6000)	5-15R	SIMPLEX	UPSM4-3	UNDER RAISED FLOOR	NOTE 2
	L38A	MOTOROLA MASTER SITE RACK	CABINET 3	CEN SWITCH (HP2610)	5-15R	SIMPLEX	UPSM4-4	UNDER RAISED FLOOR	NOTE 1
	L39A	MOTOROLA MASTER SITE RACK	CABINET 3	CEN BORDER ROUTER (ST6000)	5-15R	SIMPLEX	UPSM4-5	UNDER RAISED FLOOR	NOTE 1
	L40A	MOTOROLA MASTER SITE RACK	CABINET 3	16 PORT KVM SWITCH (12V/1A) & PULL OUT LCD BOX	5-15R	DUPLEX	UPSM4-6	UNDER RAISED FLOOR	NOTE 2
	L41A	MOTOROLA MASTER SITE RACK	CABINET 3	GMC SERVER 1	5-15R	SIMPLEX	UPSM4-7	UNDER RAISED FLOOR	NOTE 1
	L42A	MOTOROLA MASTER SITE RACK	CABINET 3	TEST EQUIPMENT POWER STRIP	5-15R	SIMPLEX	UPSM4-8	UNDER RAISED FLOOR	NOTE 2
	L43A	MOTOROLA MASTER SITE RACK	CABINET 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM4-9	UNDER RAISED FLOOR	NOTE 2
	L44A	MOTOROLA MASTER SITE RACK	CABINET 4	PN SERVER	5-15R	SIMPLEX	UPSM4-10	UNDER RAISED FLOOR	NOTE 1
	L45A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (HPD) - DL360	5-15R	SIMPLEX	UPSM4-11	UNDER RAISED FLOOR	NOTE 1
	L46A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (HPD) - DL360	5-15R	SIMPLEX	UPSM4-12	UNDER RAISED FLOOR	NOTE 2
	L47A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (IV&D) - DL360	5-15R	SIMPLEX	UPSM4-13	UNDER RAISED FLOOR	NOTE 1
	L48A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (IV&D) - DL360	5-15R	SIMPLEX	UPSM4-14	UNDER RAISED FLOOR	NOTE 1
	L49A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (SPARE) - DL360	5-15R	SIMPLEX	UPSM4-15	UNDER RAISED FLOOR	NOTE 2
	L50A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (SPARE) - DL360	5-15R	SIMPLEX	UPSM4-16	UNDER RAISED FLOOR	NOTE 1
	L51A	MOTOROLA MASTER SITE RACK	CABINET 4	16 PORT KVM SWITCH (12V/1A) & PULL OUT LCD BOX	5-15R	DUPLEX	UPSM4-17	UNDER RAISED FLOOR	NOTE 2
	L52A	MOTOROLA MASTER SITE RACK	CABINET 4	NM CLIENT	5-15R	SIMPLEX	UPSM4-18	UNDER RAISED FLOOR	NOTE 2
	L53A	MOTOROLA MASTER SITE RACK	CABINET 4	GMC SERVER 2	5-15R	SIMPLEX	UPSM4-19	UNDER RAISED FLOOR	NOTE 1
	L54A	MOTOROLA MASTER SITE RACK	CABINET 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM4-20	UNDER RAISED FLOOR	NOTE 2
	L55A	MOTOROLA MASTER SITE RACK	CABINET 5	TRAK GPS MAIN CHASSIS AC	5-15R	SIMPLEX	UPSM4-21	UNDER RAISED FLOOR	NOTE 1
	L56A	MOTOROLA MASTER SITE RACK	CABINET 5	TRAK GPS MAIN CHASSIS AC	5-15R	SIMPLEX	UPSM4-22	UNDER RAISED FLOOR	NOTE 2
	L57A	MOTOROLA MASTER SITE RACK	CABINET 5	CPS CLIENT	5-15R	SIMPLEX	UPSM4-23	UNDER RAISED FLOOR	NOTE 2
	L58A	MOTOROLA MASTER SITE RACK	CABINET 5	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM4-24	UNDER RAISED FLOOR	NOTE 1
	M1A	MOTOROLA MICROWAVE CABINET	CABINET 1	RECTIFIER	5-15R	SIMPLEX	UPSM8-15	EQUIPMENT CABINET	NOTE 1
	M2A	MOTOROLA MICROWAVE CABINET	CABINET 1	RECTIFIER	5-15R	SIMPLEX	UPSM8-8	EQUIPMENT CABINET	NOTE 1
	M3A	MOTOROLA MICROWAVE CABINET	CABINET 1	DEHYDRATOR	5-15R	SIMPLEX	UPSM8-17	EQUIPMENT CABINET	NOTE 2
	M4A	MOTOROLA MICROWAVE CABINET	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM8-10	EQUIPMENT CABINET	NOTE 2
	P1A	NM CLIENT WORKSTATION	WORKSTATION	NM CLIENT	5-15R	SIMPLEX	UPSM6-8	UNDER RAISED FLOOR	NOTE 3
	P2A	NM CLIENT WORKSTATION	WORKSTATION	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	UPSM6-10	UNDER RAISED FLOOR	NOTE 3
	Q1A	OP1/OP2	WORKSTATION	MCC 7500 PC	5-15R	SIMPLEX	UPSM6-12	UNDER RAISED FLOOR	NOTE 3
	Q2A	OP1/OP2	WORKSTATION	MCC 7500 PC	5-15R	SIMPLEX	UPSM6-14	UNDER RAISED FLOOR	NOTE 3
	Q3A	OP1/OP2	WORKSTATION	MCC 7500 VPM	5-15R	SIMPLEX	UPSM6-16	UNDER RAISED FLOOR	NOTE 3
	Q4A	AV CABINET	AV CABINET	AV CABINET	5-15R	SIMPLEX	UPSM6-9	UNDER RAISED FLOOR	NOTE 3
	Q5A	AV CABINET	AV CABINET	AV CABINET	5-15R	SIMPLEX	UPSM6-11	UNDER RAISED FLOOR	NOTE 3
	Q6A	AV CABINET	AV CABINET	AV CABINET	5-15R	SIMPLEX	UPSM6-13	UNDER RAISED FLOOR	NOTE 3
	Q7A	AV CABINET	AV CABINET	AV CABINET	5-15R	SIMPLEX	UPSM6-15	UNDER RAISED FLOOR	NOTE 3

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. RESUPPLY EXISTING RECEPTACLE WITH SUPPLY CIRCUIT SHOWN. PROVIDE SUPPLY CIRCUIT.
3. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT SHOWN. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING SERVER ROOM INTERNAL GROUNDING SYSTEM VIA THE LOCAL SSGB OR IPGB.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

SEAL

STATE OF MARYLAND — DAVID WILSON WETZEL — No. 30474 — PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

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BY:
DATE:

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bkm
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Mechanical / Electrical Engineers
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P: 410.323.0600
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BALTIMORE COUNTY MARYLAND

JOB ORDER NO.
906388
SHEET 50 OF 60
DRAWING NO.
2025-1409
FILE NO. 8 REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
	A1A	CAD WORKSTATION	WORK STATION 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	A2B	CAD WORKSTATION	WORK STATION 1	MISCELLANEOUS	5-20R	SIMPLEX	7(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	A3A	CAD WORKSTATION	WORK STATION 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	A4B	CAD WORKSTATION	WORK STATION 2	MISCELLANEOUS	5-20R	SIMPLEX	9(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	A5A	CAD WORKSTATION	WORK STATION 3	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	A6B	CAD WORKSTATION	WORK STATION 3	MISCELLANEOUS	5-20R	SIMPLEX	11(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	B1A	LOGGERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	B2B	LOGGERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	13(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	B3A	LOGGERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	B4B	LOGGERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	15(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	C1A	SIEMENS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	C2B	SIEMENS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	17(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	C3A	SIEMENS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	C4B	SIEMENS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	19(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	C5A	SIEMENS	CABINET 3	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	C6B	SIEMENS	CABINET 3	MISCELLANEOUS	5-20R	SIMPLEX	21(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	D1A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	D2B	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	23(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	D3A	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	D4B	TELEPHONE	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	25(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	D5A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	D6B	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	27(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	D7A	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	D8B	TELEPHONE	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	29(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	E1A	MS SERVERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	35(UPSM1)	UNDER RAISED FLOOR	NOTE 3
	E2B	MS SERVERS	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	2(UPSM1-B)	UNDER RAISED FLOOR	NOTE 3
	E3A	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	E4B	MS SERVERS	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	6(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	F1A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	F2B	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	4(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	F3A	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	F4B	NETWORK CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	8(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	F5A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	F6B	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	12(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	F7A	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	F8B	NETWORK CABINET	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	10(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	G1A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	G2B	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	14(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	G3A	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	G4B	MISCELLANEOUS RADIO CABINET	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	16(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	H1A	RS6000S	CABINET 1	MISCELLANEOUS	L6-30R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	H2B	RS6000S	CABINET 1	MISCELLANEOUS	L6-30R	SIMPLEX	18,20(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	H3A	RS6000S	CABINET 2	MISCELLANEOUS	L6-30R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	H4B	RS6000S	CABINET 2	MISCELLANEOUS	L6-30R	SIMPLEX	26,28(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	J1A	SECURITY GROWTH	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	J2B	SECURITY GROWTH	CABINET 1	MISCELLANEOUS	5-20R	SIMPLEX	22(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	J3A	SECURITY GROWTH	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	J4B	SECURITY GROWTH	CABINET 2	MISCELLANEOUS	5-20R	SIMPLEX	24(UPSM1-B)	UNDER RAISED FLOOR	NOTE 2
	K1A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K2A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K3B	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	7(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K4B	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	9(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K5A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K6A	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K7B	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	11(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K8B	MOTOROLA RADIO CONSOLE	RACK 1	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	13(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K9A	MOTOROLA RADIO CONSOLE	RACK 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1

EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
	K10A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K11A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K12B	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	15(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K13B	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	17(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K14A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K15A	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K16B	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	19(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K17B	MOTOROLA RADIO CONSOLE	RACK 2	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	21(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K18A	MOTOROLA RADIO CONSOLE	RACK 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K19A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K20A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K21B	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	23(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K22B	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	25(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K23A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K24A	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K25B	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	27(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K26B	MOTOROLA RADIO CONSOLE	RACK 3	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	29(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K27A	MOTOROLA RADIO CONSOLE	RACK 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K28A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K29A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K30B	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	31(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K31B	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	33(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K32A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K33A	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K34B	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	35(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K35B	MOTOROLA RADIO CONSOLE	RACK 4	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX	5-15R	DUPLEX	37(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K36A	MOTOROLA RADIO CONSOLE	RACK 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K37A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K38A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K39B	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE & DIGITAL JUNCTION BOX - FUTURE	5-15R	DUPLEX	39(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K40B	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	41(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K41A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K42A	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K43B	MOTOROLA RADIO CONSOLE	RACK 5	XTL5000 CONSOLETTE (SMARTNET INTERFACE) - FUTURE	5-15R	SIMPLEX	2(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K44B	MOTOROLA RADIO CONSOLE	RACK 5	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	4(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K45A	MOTOROLA RADIO CONSOLE	RACK 6	CCGW 1 FOR SMARTNET INTERFACE	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K46A	MOTOROLA RADIO CONSOLE	RACK 6	AUX I/O (SD3000)	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K47B	MOTOROLA RADIO CONSOLE	RACK 6	RAVEN FAILSOFT INDICATOR	5-15R	SIMPLEX	6(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K48B	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	8(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K49A	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K50A	MOTOROLA RADIO CONSOLE	RACK 6	RAVEN FAILSOFT INDICATOR	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K51B	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	10(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K52B	MOTOROLA RADIO CONSOLE	RACK 6	XTL2500 CONTROL STATION	5-15R	SIMPLEX	12(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K53A	MOTOROLA RADIO CONSOLE	RACK 6	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K54A	MOTOROLA RADIO CONSOLE	RACK 7	S6000 ROUTER 1	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K55A	MOTOROLA RADIO CONSOLE	RACK 7	S6000 ROUTER 2	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K56A	MOTOROLA RADIO CONSOLE	RACK 7	HP2610 SWITCH 1	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K57B	MOTOROLA RADIO CONSOLE	RACK 7	HP2610 SWITCH 2	5-15R	SIMPLEX	14(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K58B	MOTOROLA RADIO CONSOLE	RACK 7	CCGW 1 (ST2500)	5-15R	SIMPLEX	16(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K59B	MOTOROLA RADIO CONSOLE	RACK 7	CCGW 2 (ST2500)	5-15R	SIMPLEX	18(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K60A	MOTOROLA RADIO CONSOLE	RACK 7	OPS WARE - DCD DL360 (2PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K61A	MOTOROLA RADIO CONSOLE	RACK 7	OPS WARE - DCD DL360 (2PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K62A	MOTOROLA RADIO CONSOLE	RACK 7	VPM	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K63B	MOTOROLA RADIO CONSOLE	RACK 7	AIS	5-15R	SIMPLEX	20(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K64B	MOTOROLA RADIO CONSOLE	RACK 7	CHANNEL BANK (2 PS)	5-15R	SIMPLEX	22(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K65B	MOTOROLA RADIO CONSOLE	RACK 7	CHANNEL BANK (2 PS)	5-15R	SIMPLEX	24(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K66A	MOTOROLA RADIO CONSOLE	RACK 7	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K67A	MOTOROLA RADIO CONSOLE	RACK 8	CONVENTIONAL SITE CONTROLLER (GCP 8000)	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K68A	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 3 (ST2500)	5-15R	SIMPLEX	EXISTING	IN CEILING SPACE	NOTE 1
	K69B	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 4 (ST2500)	5-15R	SIMPLEX	26(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K70B	MOTOROLA RADIO CONSOLE	RACK 8	CCGW 5 (ST2500)	5-15R	SIMPLEX	28(UPSM3-B)	IN CEILING SPACE	NOTE 2
	K71A	MOTOROLA RADIO CONSOLE	RACK 8	VPM	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K72A	MOTOROLA RADIO CONSOLE	RACK 8	AIS	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
	K73B	MOTOROLA RADIO CONSOLE	RACK 8	16 PORT KVM SWITCH & PULL OUT LCD BLACK	5-15R	DUPLEX	30(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K74B	MOTOROLA RADIO CONSOLE	RACK 8	TEST EQUIPMENT POWER STRIP	5-15R	SIMPLEX	32(UPSM3-B)	UNDER RAISED FLOOR	NOTE 2
	K75A	MOTOROLA RADIO CONSOLE	RACK 8	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. RESUPPLY EXISTING RECEPTACLE WITH SUPPLY CIRCUIT SHOWN. PROVIDE SUPPLY CIRCUIT.
3. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT SHOWN. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING SERVER ROOM INTERNAL GROUNDING SYSTEM VIA THE LOCAL SSGB OR IPGB.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

ARL: G:\23102.01\Drawings\Acad\E\E803 E804

Plotted By: Denise Wilson | 4/10/2025 6:52 AM

DWG FILENAME: 001A107

SEAL

STATE OF MARYLAND · DAVID MASON WIETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WIETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.
R.O.W NO.
KEY SHEET: NNW
POSITION SHT: 38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EQUIPMENT CONNECTION SCHEDULES – SERVER ROOM – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E8.03	25030-P00
JOB ORDER NO.	906388
SHEET 51 OF 60	
DRAWING NO.	2025-1410
FILE NO. 8	REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - SERVER ROOM - NEW WORK

PLAN SYMBOL (#)	EQUIPMENT LOCATION	CABINET/RACK NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	RECEPTACLE LOCATION	COMMENTS
L1A	MOTOROLA MASTER SITE RACK	CABINET 1	UNC/UCS (SUN NETRA T5220-2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L2A	MOTOROLA MASTER SITE RACK	CABINET 1	UNC/UCS (SUN NETRA T5220-2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L3B	MOTOROLA MASTER SITE RACK	CABINET 1	ZSS (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	11(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L4A	MOTOROLA MASTER SITE RACK	CABINET 1	ZSS (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L5A	MOTOROLA MASTER SITE RACK	CABINET 1	NM/ZC2 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L6B	MOTOROLA MASTER SITE RACK	CABINET 1	NM/ZC2 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	9(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L7A	MOTOROLA MASTER SITE RACK	CABINET 1	ZM/ZC1 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L8A	MOTOROLA MASTER SITE RACK	CABINET 1	ZM/ZC1 (SUN NETRA T5220 - 2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L9B	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 1 (2 PS)	5-15R	SIMPLEX	7(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L10A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 1 (2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L11A	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 2 (2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L12B	MOTOROLA MASTER SITE RACK	CABINET 1	DOMAIN CONTROLLER - DL360 2 (2 PS)	5-15R	SIMPLEX	13(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L13A	MOTOROLA MASTER SITE RACK	CABINET 1	CSMS (HP PROLIANT DL360 G5 SINGLE PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L14B	MOTOROLA MASTER SITE RACK	CABINET 1	CSMS (HP PROLIANT DL360 G5 SINGLE PS)	5-15R	SIMPLEX	15(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L15B	MOTOROLA MASTER SITE RACK	CABINET 1	FIREWALL MANAGEMENT SERVER	5-15R	SIMPLEX	17(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L16A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - DCD DL360 (2PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L17B	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - DCD DL360 (2PS)	5-15R	SIMPLEX	19(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L18B	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - JUNIPER SSG 20 FIREWALL	5-15R	SIMPLEX	21(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L19A	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - SERVER DELL POWEREDGE 1950	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L20B	MOTOROLA MASTER SITE RACK	CABINET 1	OPSWARE - SERVER DELL POWEREDGE 1950	5-15R	SIMPLEX	23(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L21B	MOTOROLA MASTER SITE RACK	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	25(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L22A	MOTOROLA MASTER SITE RACK	CABINET 2	GATEWAY ROUTER 1 (ST6000)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L23A	MOTOROLA MASTER SITE RACK	CABINET 2	GATEWAY ROUTER 2 (ST6000)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L24B	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE SWITCH 1) (HP3500)	5-15R	SIMPLEX	27(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L25A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE SWITCH 2) (HP3500)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L26A	MOTOROLA MASTER SITE RACK	CABINET 2	HP REDUNDANT PS	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L27B	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE ROUTER 1) (ST6000)	5-15R	SIMPLEX	29(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L28A	MOTOROLA MASTER SITE RACK	CABINET 2	SRC (CORE ROUTER 2) (ST6000)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L29B	MOTOROLA MASTER SITE RACK	CABINET 2	GGSN ROUTER (ST6000)	5-15R	SIMPLEX	31(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L30B	MOTOROLA MASTER SITE RACK	CABINET 2	OBM/TERMINAL SERVER (2 PS)	5-15R	SIMPLEX	33(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L31A	MOTOROLA MASTER SITE RACK	CABINET 2	OBM/TERMINAL SERVER (2 PS)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L32B	MOTOROLA MASTER SITE RACK	CABINET 2	MOSCAD SNT (SDM3000)	5-15R	SIMPLEX	35(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L33B	MOTOROLA MASTER SITE RACK	CABINET 2	MOSCAD SDM3000 ADVANCE	5-15R	SIMPLEX	37(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L34A	MOTOROLA MASTER SITE RACK	CABINET 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L35A	MOTOROLA MASTER SITE RACK	CABINET 3	JUNIPER SSG140 FIREWALL	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L36A	MOTOROLA MASTER SITE RACK	CABINET 3	DMZ (HP2610)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L37B	MOTOROLA MASTER SITE RACK	CABINET 3	PN ROUTER (ST6000)	5-15R	SIMPLEX	2(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L38A	MOTOROLA MASTER SITE RACK	CABINET 3	CEN SWITCH (HP2610)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L39A	MOTOROLA MASTER SITE RACK	CABINET 3	CEN BORDER ROUTER (ST6000)	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L40B	MOTOROLA MASTER SITE RACK	CABINET 3	16 PORT KVM SWITCH (12V/1A) & PULL OUT LCD BOX	5-15R	DUPLEX	6(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L41A	MOTOROLA MASTER SITE RACK	CABINET 3	GMC SERVER 1	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L42B	MOTOROLA MASTER SITE RACK	CABINET 3	TEST EQUIPMENT POWER STRIP	5-15R	SIMPLEX	4(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L43B	MOTOROLA MASTER SITE RACK	CABINET 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	8(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L44A	MOTOROLA MASTER SITE RACK	CABINET 4	PN SERVER	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L45A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (HPD) - DL360	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L46B	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (HPD) - DL360	5-15R	SIMPLEX	10(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L47A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (IV&D) - DL360	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L48A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (IV&D) - DL360	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L49B	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (SPARE) - DL360	5-15R	SIMPLEX	12(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L50A	MOTOROLA MASTER SITE RACK	CABINET 4	PDG (SPARE) - DL360	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L51B	MOTOROLA MASTER SITE RACK	CABINET 4	16 PORT KVM SWITCH (12V/1A) & PULL OUT LCD BOX	5-15R	DUPLEX	14(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L52B	MOTOROLA MASTER SITE RACK	CABINET 4	NM CLIENT	5-15R	SIMPLEX	16(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L53A	MOTOROLA MASTER SITE RACK	CABINET 4	GMC SERVER 2	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L54B	MOTOROLA MASTER SITE RACK	CABINET 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	18(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L55A	MOTOROLA MASTER SITE RACK	CABINET 5	TRAK GPS MAIN CHASSIS AC	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L56B	MOTOROLA MASTER SITE RACK	CABINET 5	TRAK GPS MAIN CHASSIS AC	5-15R	SIMPLEX	20(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L57B	MOTOROLA MASTER SITE RACK	CABINET 5	CPS CLIENT	5-15R	SIMPLEX	22(UPSM2-B)	UNDER RAISED FLOOR	NOTE 2
L58A	MOTOROLA MASTER SITE RACK	CABINET 5	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	EXISTING	UNDER RAISED FLOOR	NOTE 1
L59A	MOTOROLA MASTER SITE RACK	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	35(UPSM3)	UNDER RAISED FLOOR	NOTE 3
L60B	MOTOROLA MASTER SITE RACK	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	24(UPSM2-B)	UNDER RAISED FLOOR	NOTE 3
L61A	MOTOROLA MASTER SITE RACK	CABINET 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	35(UPSM3)	UNDER RAISED FLOOR	NOTE 3
L62B	MOTOROLA MASTER SITE RACK	CABINET 2	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	26(UPSM2-B)	UNDER RAISED FLOOR	NOTE 3
L63A	MOTOROLA MASTER SITE RACK	CABINET 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	37(UPSM3)	UNDER RAISED FLOOR	NOTE 3
L64B	MOTOROLA MASTER SITE RACK	CABINET 3	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	28(UPSM2-B)	UNDER RAISED FLOOR	NOTE 3
L65A	MOTOROLA MASTER SITE RACK	CABINET 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	39(UPSM3)	UNDER RAISED FLOOR	NOTE 3
L66B	MOTOROLA MASTER SITE RACK	CABINET 4	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	30(UPSM2-B)	UNDER RAISED FLOOR	NOTE 3
M1A	MOTOROLA MICROWAVE CABINET	CABINET 1	RECTIFIER	5-15R	SIMPLEX	EXISTING	EQUIPMENT CABINET	NOTE 1
M2A	MOTOROLA MICROWAVE CABINET	CABINET 1	RECTIFIER	5-15R	SIMPLEX	EXISTING	EQUIPMENT CABINET	NOTE 1
M3B	MOTOROLA MICROWAVE CABINET	CABINET 1	DEHYDRATOR	5-15R	SIMPLEX	8(UPSM4-B)	EQUIPMENT CABINET	NOTE 2
M4B	MOTOROLA MICROWAVE CABINET	CABINET 1	SPARE SINGLE CIRCUIT FOR FUTURE	5-15R	SIMPLEX	10(UPSM4-B)	EQUIPMENT CABINET	NOTE 2

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. RESUPPLY EXISTING RECEPTACLE WITH SUPPLY CIRCUIT SHOWN. PROVIDE SUPPLY CIRCUIT.
3. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT SHOWN. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING SERVER ROOM INTERNAL GROUNDING SYSTEM VIA THE LOCAL SSGB OR IPGB.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

ARL: G:\23102.01\Drawings\Acad\E\E803 E804

Plotted By: Denise Wilson | 4/10/2025 6:52 AM

DWG FILENAME: 001A107

SEAL

STATE OF MARYLAND · DAVID ALLISON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT

911 CENTER – CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

EQUIPMENT CONNECTION SCHEDULES – SERVER ROOM – NEW WORK

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E8.04	25030-P00

JOB ORDER NO. 906388

SHEET 52 OF 60

DRAWING NO. 2025-1411

FILE NO. 8 REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	COMMENTS
	1A	1	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-7	NOTE 1, NOTE 2
	2A	1	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-9	NOTE 1, NOTE 2
	3A	1	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-11	NOTE 1, NOTE 2
	4A	1	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-7	NOTE 1, NOTE 2
	5A	2	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-2	NOTE 1, NOTE 3
	6A	2	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-4	NOTE 1, NOTE 3
	7A	2	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-6	NOTE 1, NOTE 3
	8A	2	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-2	NOTE 1, NOTE 3
	9A	3	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-17	NOTE 1, NOTE 2
	10A	3	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-13	NOTE 1, NOTE 2
	11A	3	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-15	NOTE 1, NOTE 2
	12A	3	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-9	NOTE 1, NOTE 2
	13A	4	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-12	NOTE 1, NOTE 3
	14A	4	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-8	NOTE 1, NOTE 3
	15A	4	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-10	NOTE 1, NOTE 3
	16A	4	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-4	NOTE 1, NOTE 3
	17A	5	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-21	NOTE 1, NOTE 2
	18A	5	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-23	NOTE 1, NOTE 2
	19A	5	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-19	NOTE 1, NOTE 2
	20A	5	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-11	NOTE 1, NOTE 2
	21A	6	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-16	NOTE 1, NOTE 3
	22A	6	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-18	NOTE 1, NOTE 3
	23A	6	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-14	NOTE 1, NOTE 3
	24A	6	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-6	NOTE 1, NOTE 3
	25A	7	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-25	NOTE 1, NOTE 2
	26A	7	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-27	NOTE 1, NOTE 2
	27A	7	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-29	NOTE 1, NOTE 2
	28A	7	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-13	NOTE 1, NOTE 2
	29A	8	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-20	NOTE 1, NOTE 3
	30A	8	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-22	NOTE 1, NOTE 3
	31A	8	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-24	NOTE 1, NOTE 3
	32A	8	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-8	NOTE 1, NOTE 3
	33A	9	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-35	NOTE 1, NOTE 2
	34A	9	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-31	NOTE 1, NOTE 2
	35A	9	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-33	NOTE 1, NOTE 2
	36A	9	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-15	NOTE 1, NOTE 2
	37A	10	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL1-30	NOTE 1, NOTE 3
	38A	10	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL1-26	NOTE 1, NOTE 3
	39A	10	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL1-28	NOTE 1, NOTE 3
	40A	10	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-10	NOTE 1, NOTE 3
	41A	11	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-9	NOTE 1, NOTE 2
	42A	11	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-11	NOTE 1, NOTE 2
	43A	11	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-7	NOTE 1, NOTE 2
	44A	11	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-17	NOTE 1, NOTE 2
	45A	12	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-4	NOTE 1, NOTE 3
	46A	12	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-6	NOTE 1, NOTE 3
	47A	12	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-2	NOTE 1, NOTE 3
	49A	12	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-12	NOTE 1, NOTE 3
	49A	13	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-13	NOTE 1, NOTE 2
	50A	13	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-15	NOTE 1, NOTE 2
	51A	13	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-17	NOTE 1, NOTE 2
	52A	13	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-19	NOTE 1, NOTE 2
	53A	13	E	WORKSTATION PC	5-20R	SIMPLEX	ERL3-21	NOTE 1, NOTE 2
	54A	14	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-8	NOTE 1, NOTE 3
	55A	14	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-10	NOTE 1, NOTE 3
	56A	14	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-12	NOTE 1, NOTE 3
	57A	14	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-14	NOTE 1, NOTE 3
	58A	14	E	WORKSTATION PC	5-20R	SIMPLEX	ERL3-16	NOTE 1, NOTE 3
	59A	15	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-23	NOTE 1, NOTE 2
	60A	15	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-19	NOTE 1, NOTE 2
	61A	15	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-21	NOTE 1, NOTE 2
	62A	15	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-23	NOTE 1, NOTE 2
	63A	16	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-18	NOTE 1, NOTE 3
	64A	16	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-14	NOTE 1, NOTE 3
	65A	16	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-16	NOTE 1, NOTE 3
	66A	16	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-18	NOTE 1, NOTE 3

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	COMMENTS
	67A	17	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-27	NOTE 1, NOTE 2
	68A	17	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-29	NOTE 1, NOTE 2
	69A	17	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-25	NOTE 1, NOTE 2
	70A	17	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-25	NOTE 1, NOTE 2
	71A	18	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-22	NOTE 1, NOTE 3
	72A	18	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-24	NOTE 1, NOTE 3
	73A	18	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-20	NOTE 1, NOTE 3
	74A	18	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-20	NOTE 1, NOTE 3
	75A	19	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-31	NOTE 1, NOTE 2
	76A	19	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-33	NOTE 1, NOTE 2
	77A	19	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-35	NOTE 1, NOTE 2
	78A	19	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-27	NOTE 1, NOTE 2
	79A	20	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL2-26	NOTE 1, NOTE 3
	80A	20	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL2-28	NOTE 1, NOTE 3
	81A	20	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL2-30	NOTE 1, NOTE 3
	82A	20	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-22	NOTE 1, NOTE 3
	83A	21	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-11	NOTE 1, NOTE 2
	84A	21	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-7	NOTE 1, NOTE 2
	85A	21	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-9	NOTE 1, NOTE 2
	86A	21	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-29	NOTE 1, NOTE 2
	87A	22	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-6	NOTE 1, NOTE 3
	88A	22	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-2	NOTE 1, NOTE 3
	89A	22	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-4	NOTE 1, NOTE 3
	90A	22	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-24	NOTE 1, NOTE 3
	91A	23	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-15	NOTE 1, NOTE 2
	92A	23	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-17	NOTE 1, NOTE 2
	93A	23	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-13	NOTE 1, NOTE 2
	94A	23	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-31	NOTE 1, NOTE 2
	95A	24	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-10	NOTE 1, NOTE 3
	96A	24	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-12	NOTE 1, NOTE 3
	97A	24	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-8	NOTE 1, NOTE 3
	98A	24	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL3-26	NOTE 1, NOTE 3
	99A	25	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-19	NOTE 1, NOTE 2
	100A	25	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-21	NOTE 1, NOTE 2
	101A	25	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-23	NOTE 1, NOTE 2
	102A	25	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-7	NOTE 1, NOTE 2
	103A	26	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-14	NOTE 1, NOTE 3
	104A	26	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-16	NOTE 1, NOTE 3
	105A	26	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-18	NOTE 1, NOTE 3
	106A	26	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-2	NOTE 1, NOTE 3
	107A	27	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-29	NOTE 1, NOTE 2
	108A	27	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-25	NOTE 1, NOTE 2
	109A	27	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-27	NOTE 1, NOTE 2
	110A	27	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-9	NOTE 1, NOTE 2
	111A	28	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-24	NOTE 1, NOTE 3
	112A	28	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-20	NOTE 1, NOTE 3
	113A	28	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-22	NOTE 1, NOTE 3
	114A	28	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-4	NOTE 1, NOTE 3
	115A	29	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-33	NOTE 1, NOTE 2
	116A	29	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-35	NOTE 1, NOTE 2
	117A	29	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-31	NOTE 1, NOTE 2
	118A	29	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-11	NOTE 1, NOTE 2
	119A	30	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL3-28	NOTE 1, NOTE 3
	120A	30	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL3-30	NOTE 1, NOTE 3
	121A	30	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL3-26	NOTE 1, NOTE 3
	122A	30	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-6	NOTE 1, NOTE 3
	123A	31	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-7	NOTE 1, NOTE 2
	124A	31	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-9	NOTE 1, NOTE 2
	125A	31	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-11	NOTE 1, NOTE 2
	126A	31	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-13	NOTE 1, NOTE 2
	127A	32	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-2	NOTE 1, NOTE 3
	128A	32	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-4	NOTE 1, NOTE 3
	129A	32	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-6	NOTE 1, NOTE 3
	130A	32	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-8	NOTE 1, NOTE 3

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN. EXISTING RECEPTACLE LOCATED ON INSIDE WALL OF OPERATOR FURNITURE CPU CABINET. REMOVE, PROTECT, AND REINSTALL EXISTING RECEPTACLE AS REQUIRED TO ALLOW SPACE FOR INSTALLATION OF NEW RECEPTACLES IN THIS AREA. EXISTING SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. PLUG EQUIPMENT INTO EXISTING DISTRIBUTION SYSTEM A RECEPTACLE AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION A" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.
3. PLUG EQUIPMENT INTO NEW DISTRIBUTION SYSTEM B RECEPTACLES AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION B" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

ARL: G:\23102.01\Drawings\Acad\E1E805 E606

Plotted By: Denise Wilson | 4/10/2025 6:53 AM

DWG FILENAME: 001A107

SEAL

STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

AS-BUILT / REVISION | BY | DATE

CONTRACT COMPLETION BOX

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EQUIPMENT CONNECTION SCHEDULES – OPERATOR POSITION – DEMOLITION
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E8.05	25030-P00
JOB ORDER NO.	906388
SHEET 53 OF 60	
DRAWING NO.	2025-1412
FILE NO. 8	REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	COMMENTS
	131A	33	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-17	NOTE 1, NOTE 2
	132A	33	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-13	NOTE 1, NOTE 2
	133A	33	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-15	NOTE 1, NOTE 2
	134A	33	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-15	NOTE 1, NOTE 2
	135A	34	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-12	NOTE 1, NOTE 3
	136A	34	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-8	NOTE 1, NOTE 3
	137A	34	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-10	NOTE 1, NOTE 3
	138A	34	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-10	NOTE 1, NOTE 3
	139A	35	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-21	NOTE 1, NOTE 2
	140A	35	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-23	NOTE 1, NOTE 2
	141A	35	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-19	NOTE 1, NOTE 2
	142A	35	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-17	NOTE 1, NOTE 2
	143A	35	E	WORKSTATION PC	5-20R	SIMPLEX	ERL1-19	NOTE 1, NOTE 2
	144A	36	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-16	NOTE 1, NOTE 3
	145A	36	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-18	NOTE 1, NOTE 3
	146A	36	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-14	NOTE 1, NOTE 3
	147A	36	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-12	NOTE 1, NOTE 3
	148A	36	E	WORKSTATION PC	5-20R	SIMPLEX	ERL1-14	NOTE 1, NOTE 3
	149A	37	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-25	NOTE 1, NOTE 2
	150A	37	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-27	NOTE 1, NOTE 2
	151A	37	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-29	NOTE 1, NOTE 2
	152A	37	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-21	NOTE 1, NOTE 2
	153A	38	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-20	NOTE 1, NOTE 3
	154A	38	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-22	NOTE 1, NOTE 3
	155A	38	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL4-24	NOTE 1, NOTE 3
	156A	38	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-16	NOTE 1, NOTE 3
	157A	39	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-35	NOTE 1, NOTE 2
	158A	39	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-31	NOTE 1, NOTE 2
	159A	39	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-33	NOTE 1, NOTE 2
	160A	39	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-23	NOTE 1, NOTE 2
	161A	39	E	WORKSTATION PC	5-20R	SIMPLEX	ERL1-25	NOTE 1, NOTE 2
	162A	40	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL4-30	NOTE 1, NOTE 3
	163A	40	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-26	NOTE 1, NOTE 3
	164A	40	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL4-28	NOTE 1, NOTE 3
	165A	40	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-18	NOTE 1, NOTE 3
	166A	41	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-9	NOTE 1, NOTE 2
	167A	41	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-11	NOTE 1, NOTE 2
	168A	41	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-7	NOTE 1, NOTE 2
	169A	41	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-27	NOTE 1, NOTE 2
	170A	42	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-4	NOTE 1, NOTE 3
	171A	42	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-6	NOTE 1, NOTE 3
	172A	42	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-2	NOTE 1, NOTE 3
	173A	42	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-20	NOTE 1, NOTE 3
	174A	43	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-13	NOTE 1, NOTE 2
	175A	43	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-15	NOTE 1, NOTE 2
	176A	43	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-17	NOTE 1, NOTE 2
	177A	43	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-29	NOTE 1, NOTE 2
	178A	44	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-8	NOTE 1, NOTE 3
	179A	44	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-10	NOTE 1, NOTE 3
	180A	44	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-12	NOTE 1, NOTE 3
	181A	44	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-22	NOTE 1, NOTE 3
	182A	45	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-23	NOTE 1, NOTE 2
	183A	45	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-19	NOTE 1, NOTE 2
	184A	45	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-21	NOTE 1, NOTE 2
	185A	45	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	ERL1-31	NOTE 1, NOTE 2
	186A	46	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-18	NOTE 1, NOTE 3
	187A	46	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-14	NOTE 1, NOTE 3
	188A	46	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL5-16	NOTE 1, NOTE 3
	189A	46	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-24	NOTE 1, NOTE 3
	190A	47	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-27	NOTE 1, NOTE 2
	191A	47	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-29	NOTE 1, NOTE 2
	192A	47	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL5-25	NOTE 1, NOTE 2
	193A	47	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-33	NOTE 1, NOTE 2
	194A	47	E	WORKSTATION PC	5-20R	SIMPLEX	ERL1-35	NOTE 1, NOTE 2
	195A	48	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	UPSL5-22	NOTE 1, NOTE 3
	196A	48	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	UPSL5-24	NOTE 1, NOTE 3
	197A	48	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	UPSL5-20	NOTE 1, NOTE 3
	198A	48	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERL1-26	NOTE 1, NOTE 3
	199A	48	E	WORKSTATION PC	5-20R	SIMPLEX	ERL1-28	NOTE 1, NOTE 3

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - DEMOLITION

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	EXISTING CIRCUIT HOMERUN	COMMENTS
	200A	49	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-7	NOTE 1, NOTE 2
	201A	49	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-9	NOTE 1, NOTE 2
	2021	49	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-11	NOTE 1, NOTE 2
	203A	49	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-13	NOTE 1, NOTE 2
	204A	50	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-2	NOTE 1, NOTE 3
	205A	50	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-4	NOTE 1, NOTE 3
	206A	50	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-6	NOTE 1, NOTE 3
	207A	50	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-8	NOTE 1, NOTE 3
	208A	51	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-15	NOTE 1, NOTE 2
	209A	51	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-17	NOTE 1, NOTE 2
	210A	51	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-19	NOTE 1, NOTE 2
	211A	51	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-21	NOTE 1, NOTE 2
	212A	52	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-10	NOTE 1, NOTE 3
	213A	52	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-12	NOTE 1, NOTE 3
	214A	52	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-14	NOTE 1, NOTE 3
	215A	52	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-16	NOTE 1, NOTE 3
	216A	53	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-23	NOTE 1, NOTE 2
	217A	53	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-25	NOTE 1, NOTE 2
	218A	53	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-27	NOTE 1, NOTE 2
	219A	53	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-29	NOTE 1, NOTE 2
	220A	54	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-18	NOTE 1, NOTE 3
	221A	54	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-20	NOTE 1, NOTE 3
	222A	54	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-22	NOTE 1, NOTE 3
	223A	54	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-24	NOTE 1, NOTE 3
	224A	55	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-31	NOTE 1, NOTE 2
	225A	55	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-33	NOTE 1, NOTE 2
	226A	55	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-35	NOTE 1, NOTE 2
	227A	55	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-37	NOTE 1, NOTE 2
	228A	56	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM4-26	NOTE 1, NOTE 3
	229A	56	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM4-28	NOTE 1, NOTE 3
	230A	56	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM4-30	NOTE 1, NOTE 3
	231A	56	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM4-32	NOTE 1, NOTE 3
	232A	57	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-7	NOTE 1, NOTE 2
	233A	57	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-9	NOTE 1, NOTE 2
	234A	57	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-11	NOTE 1, NOTE 2
	235A	57	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-13	NOTE 1, NOTE 2
	236A	58	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-2	NOTE 1, NOTE 3
	237A	58	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-4	NOTE 1, NOTE 3
	238A	58	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-6	NOTE 1, NOTE 3
	239A	58	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-8	NOTE 1, NOTE 3
	240A	59	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-15	NOTE 1, NOTE 2
	241A	59	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-17	NOTE 1, NOTE 2
	242A	59	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-19	NOTE 1, NOTE 2
	243A	59	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-21	NOTE 1, NOTE 2
	244A	60	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-10	NOTE 1, NOTE 3
	245A	60	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-12	NOTE 1, NOTE 3
	246A	60	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-14	NOTE 1, NOTE 3
	247A	60	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-16	NOTE 1, NOTE 3
	248A	61	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-23	NOTE 1, NOTE 2
	249A	61	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-25	NOTE 1, NOTE 2
	250A	61	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-27	NOTE 1, NOTE 2
	251A	61	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-29	NOTE 1, NOTE 2
	252A	62	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-18	NOTE 1, NOTE 3
	253A	62	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-20	NOTE 1, NOTE 3
	254A	62	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-22	NOTE 1, NOTE 3
	255A	62	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-24	NOTE 1, NOTE 3
	256A	63	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-31	NOTE 1, NOTE 2
	257A	63	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-33	NOTE 1, NOTE 2
	258A	63	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-35	NOTE 1, NOTE 2
	259A	63	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-37	NOTE 1, NOTE 2
	260A	64	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	ERM5-26	NOTE 1, NOTE 3
	261A	64	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	ERM5-28	NOTE 1, NOTE 3
	262A	64	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	ERM5-30	NOTE 1, NOTE 3
	263A	64	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	ERM5-32	NOTE 1, NOTE 3

SCHEDULE COMMENT NOTES:

1. EXISTING RECEPTACLE AND SUPPLY CIRCUIT TO REMAIN. EXISTING RECEPTACLE LOCATED ON INSIDE WALL OF OPERATOR FURNITURE CPU CABINET. REMOVE, PROTECT, AND REINSTALL EXISTING RECEPTACLE AS REQUIRED TO ALLOW SPACE FOR INSTALLATION OF NEW RECEPTACLES IN THIS AREA. EXISTING SUPPLY CIRCUIT TO REMAIN IN PLACE.
2. PLUG EQUIPMENT INTO EXISTING DISTRIBUTION SYSTEM A RECEPTACLE AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION A" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.
3. PLUG EQUIPMENT INTO NEW DISTRIBUTION SYSTEM B RECEPTACLES AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION B" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

DWG FILENAME: 001A107

Plotted By: Denise Wilson | 4/10/2025 6:53 AM

ARL: G:\23102.01\Drawings\Acad\E\E805 E806

SEAL

STATE OF MARYLAND · DAVID MASON WEYZEL · No.30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474 EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WEYZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY:
DWN BY:
CHKD BY:

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

R.O.W NO. | NNW | 38 NE 2

CONTRACT COMPLETION BOX

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

DRAWING SCALE

PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT

APPROVED BY: DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE - PROPERTY MANAGEMENT

911 CENTER - CIRCUIT COURTS BUILDING TOWSON

UPS REPLACEMENT

EQUIPMENT CONNECTION SCHEDULES - OPERATOR POSITION - DEMOLITION

401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

SHEET DESIGNATION	CONTRACT NO.
E8.06	25030-P00
	JOB ORDER NO. 906388
	SHEET 54 OF 60
	DRAWING NO. 2025-1413
	FILE NO. 8 REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	COMMENTS
	1B	1	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	7(UPSL1-B)	NOTE 1, NOTE 2
	2B	1	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	9(UPSL1-B)	NOTE 1, NOTE 2
	3B	1	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	11(UPSL1-B)	NOTE 1, NOTE 2
	4B	1	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	7(ERL1-B)	NOTE 1, NOTE 2
	5B	2	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	2(UPSL1-B)	NOTE 1, NOTE 3
	6B	2	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	4(UPSL1-B)	NOTE 1, NOTE 3
	7B	2	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	6(UPSL1-B)	NOTE 1, NOTE 3
	8B	2	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	2(ERL1-B)	NOTE 1, NOTE 3
	9B	3	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	17(UPSL1-B)	NOTE 1, NOTE 2
	10B	3	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	13(UPSL1-B)	NOTE 1, NOTE 2
	11B	3	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	15(UPSL1-B)	NOTE 1, NOTE 2
	12B	3	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	9(ERL1-B)	NOTE 1, NOTE 2
	13B	4	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	12(UPSL1-B)	NOTE 1, NOTE 3
	14B	4	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	8(UPSL1-B)	NOTE 1, NOTE 3
	15B	4	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	10(UPSL1-B)	NOTE 1, NOTE 3
	16B	4	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	4(ERL1-B)	NOTE 1, NOTE 3
	17B	5	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	21(UPSL1-B)	NOTE 1, NOTE 2
	18B	5	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	23(UPSL1-B)	NOTE 1, NOTE 2
	19B	5	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	19(UPSL1-B)	NOTE 1, NOTE 2
	20B	5	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	11(ERL1-B)	NOTE 1, NOTE 2
	21B	6	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	16(UPSL1-B)	NOTE 1, NOTE 3
	22B	6	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	18(UPSL1-B)	NOTE 1, NOTE 3
	23B	6	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	14(UPSL1-B)	NOTE 1, NOTE 3
	24B	6	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	6(ERL1-B)	NOTE 1, NOTE 3
	25B	7	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	25(UPSL1-B)	NOTE 1, NOTE 2
	26B	7	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	27(UPSL1-B)	NOTE 1, NOTE 2
	27B	7	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	29(UPSL1-B)	NOTE 1, NOTE 2
	28B	7	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	13(ERL1-B)	NOTE 1, NOTE 2
	29B	8	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	20(UPSL1-B)	NOTE 1, NOTE 3
	30B	8	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	22(UPSL1-B)	NOTE 1, NOTE 3
	31B	8	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	24(UPSL1-B)	NOTE 1, NOTE 3
	32B	8	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	8(ERL1-B)	NOTE 1, NOTE 3
	33B	9	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	35(UPSL1-B)	NOTE 1, NOTE 2
	34B	9	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	31(UPSL1-B)	NOTE 1, NOTE 2
	35B	9	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	33(UPSL1-B)	NOTE 1, NOTE 2
	36B	9	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	15(ERL1-B)	NOTE 1, NOTE 2
	37B	10	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	30(UPSL1-B)	NOTE 1, NOTE 3
	38B	10	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	26(UPSL1-B)	NOTE 1, NOTE 3
	39B	10	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	28(UPSL1-B)	NOTE 1, NOTE 3
	40B	10	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	10(ERL1-B)	NOTE 1, NOTE 3
	41B	11	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	9(UPSL2-B)	NOTE 1, NOTE 2
	42B	11	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	11(UPSL2-B)	NOTE 1, NOTE 2
	43B	11	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	7(UPSL2-B)	NOTE 1, NOTE 2
	44B	11	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	17(ERL1-B)	NOTE 1, NOTE 2
	45B	12	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	4(UPSL2-B)	NOTE 1, NOTE 3
	46B	12	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	6(UPSL2-B)	NOTE 1, NOTE 3
	47B	12	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	2(UPSL2-B)	NOTE 1, NOTE 3
	48B	12	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	12(ERL1-B)	NOTE 1, NOTE 3
	49B	13	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	13(UPLS2-B)	NOTE 1, NOTE 2
	50B	13	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	15(UPSL2-B)	NOTE 1, NOTE 2
	51B	13	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	17(UPSL2-B)	NOTE 1, NOTE 2
	52B	13	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	19(ERL1-B)	NOTE 1, NOTE 2
	53B	13	E	WORKSTATION PC	5-20R	SIMPLEX	21(ERL1-B)	NOTE 1, NOTE 2
	54B	14	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	8(UPSL2-B)	NOTE 1, NOTE 3
	55B	14	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	10(UPSL2-B)	NOTE 1, NOTE 3
	56B	14	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	14(UPSL2-B)	NOTE 1, NOTE 3
	57B	14	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	14(ERL1-B)	NOTE 1, NOTE 3
	58B	14	E	WORKSTATION PC	5-20R	SIMPLEX	16(ERL1-B)	NOTE 1, NOTE 3
	59B	15	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	23(UPSL2-B)	NOTE 1, NOTE 2
	60B	15	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	19(UPSL2-B)	NOTE 1, NOTE 2
	61B	15	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	21(UPSL2-B)	NOTE 1, NOTE 2
	62B	15	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	23(ERL1-B)	NOTE 1, NOTE 2
	63B	16	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	18(UPSL2-B)	NOTE 1, NOTE 3
	64B	16	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	14(UPSL2-B)	NOTE 1, NOTE 3
	65B	16	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	16(UPLS2-B)	NOTE 1, NOTE 3
	66B	16	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	18(ERL1-B)	NOTE 1, NOTE 3

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	COMMENTS
	67B	17	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	27(UPSL2-B)	NOTE 1, NOTE 2
	68B	17	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	29(UPLS2-B)	NOTE 1, NOTE 2
	69B	17	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	25(UPLS2-B)	NOTE 1, NOTE 2
	70B	17	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	25(ERL1-B)	NOTE 1, NOTE 2
	71B	18	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	22(UPSL2-B)	NOTE 1, NOTE 3
	72B	18	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	24(UPSL2-B)	NOTE 1, NOTE 3
	73B	18	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	20(UPLS2-B)	NOTE 1, NOTE 3
	74B	18	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	20(ERL1-B)	NOTE 1, NOTE 3
	75B	19	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	31(UPSL2-B)	NOTE 1, NOTE 2
	76B	19	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	33(UPSL2-B)	NOTE 1, NOTE 2
	77B	19	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	35(UPSL2-B)	NOTE 1, NOTE 2
	78B	19	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	27(ERL1-B)	NOTE 1, NOTE 2
	79B	20	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	26(UPSL2-B)	NOTE 1, NOTE 3
	80B	20	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	28(UPLS2-B)	NOTE 1, NOTE 3
	81B	20	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	30(UPSL2-B)	NOTE 1, NOTE 3
	82B	20	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	22(ERL1-B)	NOTE 1, NOTE 3
	83B	21	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	11(UPSL3-B)	NOTE 1, NOTE 2
	84B	21	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	7(UPSL3-B)	NOTE 1, NOTE 2
	85B	21	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	9(UPSL3-B)	NOTE 1, NOTE 2
	86B	21	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	29(ERL1-B)	NOTE 1, NOTE 2
	87B	22	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	6(UPSL3-B)	NOTE 1, NOTE 3
	88B	22	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	2(UPSL3-B)	NOTE 1, NOTE 3
	89B	22	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	4(UPSL3-B)	NOTE 1, NOTE 3
	90B	22	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	24(ERL1-B)	NOTE 1, NOTE 3
	91B	23	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	15(UPSL3-B)	NOTE 1, NOTE 2
	92B	23	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	17(UPSL3-B)	NOTE 1, NOTE 2
	93B	23	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	13(UPSL3-B)	NOTE 1, NOTE 2
	94B	23	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	31(ERL1-B)	NOTE 1, NOTE 2
	95B	24	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	10(UPSL3-B)	NOTE 1, NOTE 3
	96B	24	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	12(UPSL3-B)	NOTE 1, NOTE 3
	97B	24	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	8(UPSL3-B)	NOTE 1, NOTE 3
	98B	24	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	26(ERL1-B)	NOTE 1, NOTE 3
	99B	25	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	19(UPSL3-B)	NOTE 1, NOTE 2
	100B	25	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	21(UPSL3-B)	NOTE 1, NOTE 2
	101B	25	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	23(UPSL3-B)	NOTE 1, NOTE 2
	102B	25	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	7(ERL2-B)	NOTE 1, NOTE 2
	103B	26	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	14(UPSL3-B)	NOTE 1, NOTE 3
	104B	26	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	16(UPSL3-B)	NOTE 1, NOTE 3
	105B	26	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	18(UPSL3-B)	NOTE 1, NOTE 3
	106B	26	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	2(ERL2-B)	NOTE 1, NOTE 3
	107B	27	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	29(UPSL3-B)	NOTE 1, NOTE 2
	108B	27	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	25(UPSL3-B)	NOTE 1, NOTE 2
	109B	27	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	27(UPSL3-B)	NOTE 1, NOTE 2
	110B	27	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	9(ERL2-B)	NOTE 1, NOTE 2
	111B	28	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	24(UPSL3-B)	NOTE 1, NOTE 3
	112B	28	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	20(UPSL3-B)	NOTE 1, NOTE 3
	113B	28	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	22(UPSL3-B)	NOTE 1, NOTE 3
	114B	28	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	4(ERL2-B)	NOTE 1, NOTE 3
	115B	29	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	33(UPSL3-B)	NOTE 1, NOTE 2
	116B	29	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	35(UPSL3-B)	NOTE 1, NOTE 2
	117B	29	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	31(UPSL3-B)	NOTE 1, NOTE 2
	118B	29	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	11(ERL2-B)	NOTE 1, NOTE 2
	119B	30	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	28(UPSL3-B)	NOTE 1, NOTE 3
	120B	30	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	30(UPSL3-B)	NOTE 1, NOTE 3
	121B	30	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	26(UPSL3-B)	NOTE 1, NOTE 3
	122B	30	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	6(ERL2-B)	NOTE 1, NOTE 3
	123B	31	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	7(UPSL4-B)	NOTE 1, NOTE 2
	124B	31	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	9(UPSL4-B)	NOTE 1, NOTE 2
	125B	31	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	11(UPLS4-B)	NOTE 1, NOTE 2
	126B	31	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	13(ERL2-B)	NOTE 1, NOTE 2
	127B	32	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	2(UPSL4-B)	NOTE 1, NOTE 3
	128B	32	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	4(UPSL4-B)	NOTE 1, NOTE 3
	129B	32	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	6(UPSL4-B)	NOTE 1, NOTE 3
	130B	32	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	8(ERL2-B)	NOTE 1, NOTE 3

SCHEDULE COMMENT NOTES:

1. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT. ROUTE CIRCUIT UNDER RAISED FLOOR FROM PANELBOARD TO FURNITURE LOCATION. STUB CIRCUIT UP INTO FURNITURE CPU CABINET. MOUNT RECEPTACLE AND ASSOCIATED JUNCTION BOX(ES) ON INSIDE WALL OF FURNITURE CPU CABINET. COORDINATE WITH EXISTING EQUIPMENT AND CONDITIONS INSIDE OF FURNITURE CPU CABINET. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING INDIVIDUAL OPERATOR STATION SSGB LOCATED ON OPERATOR FURNITURE.
2. PLUG EQUIPMENT INTO EXISTING DISTRIBUTION SYSTEM A RECEPTACLE AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION A" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.
3. PLUG EQUIPMENT INTO NEW DISTRIBUTION SYSTEM B RECEPTACLES AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION B" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\E\E807 E808

Plotted By: Denise Wilson | 4/10/2025 6:55 AM

SEAL

STATE OF MARYLAND · DAVID MASON WETZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027.

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT
BY:
DATE:

DGN BY DMW
DWN BY DGW
CHKD BY DMW

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY:
DIRECTOR
DATE:

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EQUIPMENT CONNECTION SCHEDULES – OPERATOR POSITION – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E8.07	25030-P00

JOB ORDER NO.
906388

SHEET 55 OF 60
DRAWING NO.
2025-1414
FILE NO. 8 REV.

BKM# 23102.01

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESIGNATION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	COMMENTS
	131B	33	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	17(UPSL4-B)	NOTE 1, NOTE 2
	132B	33	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	13(UPSL5-B)	NOTE 1, NOTE 2
	133B	33	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	15(UPSL4-B)	NOTE 1, NOTE 2
	134B	33	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	15(ERL2-B)	NOTE 1, NOTE 2
	135B	34	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	12(UPSL4-B)	NOTE 1, NOTE 3
	136B	34	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	8(UPSL4-B)	NOTE 1, NOTE 3
	137B	34	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	10(UPSL4-B)	NOTE 1, NOTE 3
	138B	34	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	10(ERL2-B)	NOTE 1, NOTE 3
	139B	35	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	21(UPSL4-B)	NOTE 1, NOTE 2
	140B	35	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	23(UPSL4-B)	NOTE 1, NOTE 2
	141B	35	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	19(UPLS4-B)	NOTE 1, NOTE 2
	142B	35	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	17(ERL2-B)	NOTE 1, NOTE 2
	143B	35	E	WORKSTATION PC	5-20R	SIMPLEX	19(ERL2-B)	NOTE 1, NOTE 2
	144B	36	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	16(UPSL4-B)	NOTE 1, NOTE 3
	145B	36	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	18(UPSL4-B)	NOTE 1, NOTE 3
	146B	36	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	14(UPLS4-B)	NOTE 1, NOTE 3
	147B	36	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	12(ERL2-B)	NOTE 1, NOTE 3
	148B	36	E	WORKSTATION PC	5-20R	SIMPLEX	14(ERL2-B)	NOTE 1, NOTE 3
	149B	37	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	25(UPSL4-B)	NOTE 1, NOTE 2
	150B	37	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	27(UPSL4-B)	NOTE 1, NOTE 2
	151B	37	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	29(UPSL4-B)	NOTE 1, NOTE 2
	152B	37	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	21(ERL2-B)	NOTE 1, NOTE 2
	153B	38	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	20(UPSL4-B)	NOTE 1, NOTE 3
	154B	38	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	22(UPLS4-B)	NOTE 1, NOTE 3
	155B	38	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	24(UPSL4-B)	NOTE 1, NOTE 3
	156B	38	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	16(ERL2-B)	NOTE 1, NOTE 3
	157B	39	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	35(UPSL4-B)	NOTE 1, NOTE 2
	158B	39	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	31(UPSL4-B)	NOTE 1, NOTE 2
	159B	39	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	33(UPSL4-B)	NOTE 1, NOTE 2
	160B	39	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	23(ERL2-B)	NOTE 1, NOTE 2
	161B	39	E	WORKSTATION PC	5-20R	SIMPLEX	25(ERL2-B)	NOTE 1, NOTE 2
	162B	40	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	30(UPSL4-B)	NOTE 1, NOTE 3
	163B	40	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	26(UPSL4-B)	NOTE 1, NOTE 3
	164B	40	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	28(UPS4-B)	NOTE 1, NOTE 3
	165B	40	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	18(ERL2-B)	NOTE 1, NOTE 3
	166B	41	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	9(UPSL5-B)	NOTE 1, NOTE 2
	167B	41	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	11(UPSL5-B)	NOTE 1, NOTE 2
	168B	41	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	11(UPSL5-B)	NOTE 1, NOTE 2
	169B	41	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	27(ERL2-B)	NOTE 1, NOTE 2
	170B	42	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	4(UPSL5-B)	NOTE 1, NOTE 3
	171B	42	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	6(UPS5-B)	NOTE 1, NOTE 3
	172B	42	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	2(UPS5-B)	NOTE 1, NOTE 3
	173B	42	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	20(ERL2-B)	NOTE 1, NOTE 3
	174B	43	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	13(UPSL5-B)	NOTE 1, NOTE 2
	175B	43	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	15(UPSL5-B)	NOTE 1, NOTE 2
	176B	43	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	17(UPSL5-B)	NOTE 1, NOTE 2
	177B	43	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	29(ERL2-B)	NOTE 1, NOTE 2
	178B	44	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	8(UPSL5-B)	NOTE 1, NOTE 3
	179B	44	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	10(UPSL5-B)	NOTE 1, NOTE 3
	180B	44	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	12(UPSL5-B)	NOTE 1, NOTE 3
	181B	44	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	22(ERL2-B)	NOTE 1, NOTE 3
	182B	45	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	23(UPSL5-B)	NOTE 1, NOTE 2
	183B	45	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	19(UPSL5-B)	NOTE 1, NOTE 2
	184B	45	C	MOTOROLA BACK UP RADIO CONSOLE	5-20R	SIMPLEX	21(UPSL5-B)	NOTE 1, NOTE 2
	185B	45	D	OFFICE FURNITURE - OTHER	5-20R	SIMPLEX	31(ERL2-B)	NOTE 1, NOTE 2
	186B	46	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	18(UPSL5-B)	NOTE 1, NOTE 3
	187B	46	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	14(UPSL5-B)	NOTE 1, NOTE 3
	188B	46	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	16(UPSL5-B)	NOTE 1, NOTE 3
	189B	46	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	24(ERL2-B)	NOTE 1, NOTE 3
	190B	47	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	27(UPSL5-B)	NOTE 1, NOTE 2
	191B	47	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	29(UPSL5-B)	NOTE 1, NOTE 2
	192B	47	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	25(UPSL5-B)	NOTE 1, NOTE 2
	193B	47	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	33(ERL2-B)	NOTE 1, NOTE 2
	194B	47	E	WORKSTATION PC	5-20R	SIMPLEX	35(ERL2-B)	NOTE 1, NOTE 2
	195B	48	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	22(UPSL5-B)	NOTE 1, NOTE 3
	196B	48	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	24(UPSL5-B)	NOTE 1, NOTE 3
	197B	48	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	20(UPSL5-B)	NOTE 1, NOTE 3
	198B	48	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	26(ERL2-B)	NOTE 1, NOTE 3
	199B	48	E	WORKSTATION PC	5-20R	SIMPLEX	28(ERL2-B)	NOTE 1, NOTE 3

EQUIPMENT CONNECTION SCHEDULE - OPERATOR POSITION - NEW WORK

PLAN SYMBOL (#)	SYMBOL DESIGNATION	OPERATOR POSITION	CIRCUIT NUMBER	EQUIPMENT DESCRIPTION	NEMA RECEPTACLE CONFIGURATION	OUTLET TYPE	CIRCUIT HOMERUN	COMMENTS
	200B	49	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	7(ERM3-B)	NOTE 1, NOTE 2
	201B	49	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	9(ERM3-B)	NOTE 1, NOTE 2
	202B	49	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	11(ERM3-B)	NOTE 1, NOTE 2
	203B	49	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	13(ERM3-B)	NOTE 1, NOTE 2
	204B	50	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	2(ERM3-B)	NOTE 1, NOTE 3
	205B	50	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	4(ERM3-B)	NOTE 1, NOTE 3
	206B	50	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	6(ERM3-B)	NOTE 1, NOTE 3
	207B	50	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	8(ERM3-B)	NOTE 1, NOTE 3
	208B	51	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	15(ERM3-B)	NOTE 1, NOTE 2
	209B	51	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	17(ERM3-B)	NOTE 1, NOTE 2
	210B	51	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	19(ERM3-B)	NOTE 1, NOTE 2
	211B	51	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	21(ERM3-B)	NOTE 1, NOTE 2
	212B	52	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	10(ERM3-B)	NOTE 1, NOTE 3
	213B	52	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	12(ERM3-B)	NOTE 1, NOTE 3
	214B	52	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	14(ERM3-B)	NOTE 1, NOTE 3
	215B	52	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	16(ERM3-B)	NOTE 1, NOTE 3
	216B	53	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	23(ERM3-B)	NOTE 1, NOTE 2
	217B	53	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	25(ERM3-B)	NOTE 1, NOTE 2
	218B	53	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	27(ERM3-B)	NOTE 1, NOTE 2
	219B	53	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	29(ERM3-B)	NOTE 1, NOTE 2
	220B	54	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	18(ERM3-B)	NOTE 1, NOTE 3
	221B	54	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	20(ERM3-B)	NOTE 1, NOTE 3
	222B	54	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	22(ERM3-B)	NOTE 1, NOTE 3
	223B	54	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	24(ERM3-B)	NOTE 1, NOTE 3
	224B	55	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	31(ERM3-B)	NOTE 1, NOTE 2
	225B	55	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	33(ERM3-B)	NOTE 1, NOTE 2
	226B	55	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	35(ERM3-B)	NOTE 1, NOTE 2
	227B	55	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	37(ERM3-B)	NOTE 1, NOTE 2
	228B	56	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	26(ERM3-B)	NOTE 1, NOTE 3
	229B	56	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	28(ERM3-B)	NOTE 1, NOTE 3
	230B	56	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	30(ERM3-B)	NOTE 1, NOTE 3
	231B	56	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	32(ERM3-B)	NOTE 1, NOTE 3
	232B	57	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	7(ERM4-B)	NOTE 1, NOTE 2
	233B	57	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	9(ERM4-B)	NOTE 1, NOTE 2
	234B	57	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	11(ERM4-B)	NOTE 1, NOTE 2
	235B	57	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	13(ERM4-B)	NOTE 1, NOTE 2
	236B	58	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	2(ERM4-B)	NOTE 1, NOTE 3
	237B	58	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	4(ERM4-B)	NOTE 1, NOTE 3
	238B	58	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	6(ERM4-B)	NOTE 1, NOTE 3
	239B	58	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	8(ERM4-B)	NOTE 1, NOTE 3
	240B	59	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	15(ERM4-B)	NOTE 1, NOTE 2
	241B	59	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	17(ERM4-B)	NOTE 1, NOTE 2
	242B	59	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	19(ERM4-B)	NOTE 1, NOTE 2
	243B	59	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	21(ERM4-B)	NOTE 1, NOTE 2
	244B	60	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	10(ERM4-B)	NOTE 1, NOTE 3
	245B	60	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	12(ERM4-B)	NOTE 1, NOTE 3
	246B	60	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	14(ERM4-B)	NOTE 1, NOTE 3
	247B	60	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	16(ERM4-B)	NOTE 1, NOTE 3
	248B	61	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	23(ERM4-B)	NOTE 1, NOTE 2
	249B	61	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	25(ERM4-B)	NOTE 1, NOTE 2
	250B	61	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	27(ERM4-B)	NOTE 1, NOTE 2
	251B	61	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	29(ERM4-B)	NOTE 1, NOTE 2
	252B	62	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	18(ERM4-B)	NOTE 1, NOTE 3
	253B	62	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	20(ERM4-B)	NOTE 1, NOTE 3
	254B	62	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	22(ERM4-B)	NOTE 1, NOTE 3
	255B	62	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	24(ERM4-B)	NOTE 1, NOTE 3
	256B	63	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	31(ERM4-B)	NOTE 1, NOTE 2
	257B	63	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	33(ERM4-B)	NOTE 1, NOTE 2
	258B	63	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	35(ERM4-B)	NOTE 1, NOTE 2
	259B	63	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	37(ERM4-B)	NOTE 1, NOTE 2
	260B	64	A	CAD EQUIPMENT - GENERAL	5-20R	SIMPLEX	26(ERM4-B)	NOTE 1, NOTE 3
	261B	64	B	MOTOROLA PRIMARY RADIO CONSOLE	5-20R	SIMPLEX	28(ERM4-B)	NOTE 1, NOTE 3
	262B	64	C	MOTOROLA BACK UP RADIO CONSOLE & MULTIPURPOSE	5-20R	SIMPLEX	30(ERM4-B)	NOTE 1, NOTE 3
	263B	64	D	FURNITURE POWER - OTHER	5-20R	SIMPLEX	32(ERM4-B)	NOTE 1, NOTE 3

SCHEDULE COMMENT NOTES:

1. PROVIDE RECEPTACLE AND SUPPLY CIRCUIT. ROUTE CIRCUIT UNDER RAISED FLOOR FROM PANELBOARD TO FURNITURE LOCATION. STUB CIRCUIT UP INTO FURNITURE CPU CABINET. MOUNT RECEPTACLE AND ASSOCIATED JUNCTION BOX(ES) ON INSIDE WALL OF FURNITURE CPU CABINET. COORDINATE WITH EXISTING EQUIPMENT AND CONDITIONS INSIDE OF FURNITURE CPU CABINET. IN ADDITION TO OTHER REQUIREMENTS, PROVIDE (1)#6 BOND FROM METALLIC RECEPTACLE BOX TO EXISTING INDIVIDUAL OPERATOR STATION SSGB LOCATED ON OPERATOR FURNITURE.
2. PLUG EQUIPMENT INTO EXISTING DISTRIBUTION SYSTEM A RECEPTACLE AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION A" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.
3. PLUG EQUIPMENT INTO NEW DISTRIBUTION SYSTEM B RECEPTACLES AT THIS LOCATION. PROVIDE PERMANENT PLACARD INDICATING "NORMAL SUPPLY SOURCE - DISTRIBUTION B" AT OPERATOR STATION. COORDINATE LOCATION WITH OWNER.

GENERAL NOTES:

1. PROVIDE PERMANENT LABEL AT EACH RECEPTACLE INDICATING "A DISTRIBUTION" OR "B DISTRIBUTION"

DWG FILENAME: 001A107

ARL: G:\23102.01\Drawings\Acad\EIE807 E808

Plotted By: Denise Wilson | 4/10/2025 6:55 AM

SEAL

STATE OF MARYLAND · DAVID WEIZEL · No. 30474 · PROFESSIONAL ENGINEER

DATE : APRIL 10, 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. 30474, EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WEIZEL
Burdette, koehler, Murphy & Assoc. Inc.

AS-BUILT PER RECORD PRINT

BY:
DATE:

DGN BY: DMW
DWN BY: DCW
CHKD BY: DMW

AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT
			R.O.W NO.	NNW	38 NE 2
CONTRACT COMPLETION BOX					

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: _____ DIRECTOR
DATE: _____

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
E8.08	25030-P00

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
EQUIPMENT CONNECTION SCHEDULES – OPERATOR POSITION – NEW WORK
401 BOSLEY, TOWSON MARYLAND 21204

SUBDIVISION: TOWSON
ELECT. DISTRICT NO. 9c6

BALTIMORE COUNTY MARYLAND

JOB ORDER NO.	SHEET NO. OF	DRAWING NO.	FILE NO.	REV.
906388	SHEET 56 OF 60	2025-1415	8	

BKM# 23102.01

MAIN DISTRIBUTION SWITCHBOARD

DESIGNATION: EMSB-B
VOLTAGE: 480 Y/277 3 PH 4 W
MIN. AIC: 65,000

LOCATION: ELECTRICAL ROOM
NOTES: (1), (2), (3), (4), (7)
MAINS: 1,600A MCB

CKT NO	SERVES	CIRCUIT BREAKER P	FRAME	TRIP	COMMENTS	LOAD (KVA)
1	ATS-3	3	-	125	(5)	15.80
2	PANEL ELM1-B	3	-	60	(5)	6.72
3	PANEL EMM1-B	3	-	400	(5)	191.66
4	PANEL ERM1-B (VIA XFRM)	3	-	125	(5)	52.83
5	SERVER ROOM 100KVA UPS (UPS B) (RECTIFIER INPUT)	3	-	200	(5), (6)	112.33
6	SERVER ROOM 100KVA UPS (UPS B) (BYPASS)	3	-	150	(5), (6)	
7	SPACE	3	-	-		
8	SPACE	3	-	-		
9	SPACE	3	-	-		
10	SPACE	3	-	-		
11	SPACE	3	-	-		
12	SPACE	3	-	-		
13	SPACE	3	-	-		
14	SPACE	3	-	-		
15	SPACE	3	-	-		
	TOTAL CONNECTED LOAD:					379.34 KVA 456.28 A

SWITCHBOARD EMSB-B NOTES:

(1) PROVIDE 100% FULL LOAD AMP RATED MAIN BUS AND MAIN CIRCUIT BREAKER.

(2) PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE.

(3) FOR MAIN CIRCUIT BREAKER: PROVIDE ELECTRONIC TRIP UNIT WITH LSI TRIP UNIT AND ARC-FLASH ENERGY-REDUCING MAINTENANCE SWITCH WITH A LOCAL STATUS INDICATOR.

(4) PROVIDE INTEGRAL POWER MONITOR DEVICE WITH LOCAL DISPLAY AND DATA COMMUNICATIONS OUTPUT.

(5) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES..

(6) PROVIDE SHUNT TRIP CIRCUIT BREAKER.

(7) PROVIDE INTEGRAL LOSS OF POWER AND LOSS OF PHASE MONITOR WITH 2 SETS OF FORM C OUTPUT CONTACTS FOR USE FOR OWNER MONITORING SYSTEM (CONNECTION TO MISSION SYSTEM).

MAIN DISTRIBUTION SWITCHBOARD

DESIGNATION: GDP
VOLTAGE: 480 Y/277 3 PH 4 W
MIN. AIC: 35,000

LOCATION: JUDGE'S PARKING GARAGE
NOTES: (1), (2), (4)
MAINS: 1,600A MLO

CKT NO	SERVES	CIRCUIT BREAKER P	FRAME	TRIP	COMMENTS	LOAD (KVA)
1	EX PANEL EMSB (THRU EX ATS 5)	3	-	1600	(3)	
2	PANEL EMSB-B (THRU ATS B)	3	-	1600	(3)	379.34
3	SPACE	3	-	-		
4	SPACE	3	-	-		
	TOTAL CONNECTED LOAD:					379.34 KVA 456.28 A

SWITCHBOARD GDP NOTES:

(1) PROVIDE 100% FULL LOAD AMP RATED MAIN BUS AND MAIN CIRCUIT BREAKER.

(2) PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE.

(3) PROVIDE CIRCUIT BREAKER WITH ELECTRONIC TRIP UNIT WITH LSI TRIP FUNCTION AND ARC-FLASH ENERGY-REDUCING MAINTENANCE SWITCH WITH A LOCAL STATUS INDICATOR.

(4) PROVIDE INTEGRAL POWER MONITOR DEVICE WITH LOCAL DISPLAY AND DATA COMMUNICATIONS OUTPUT.

PANEL EMM2-B
AIC: 10,000
LOCATION: UPS B ROOM

MAIN: 60 A MCB
MOUNTING: SURFACE

VOLTAGE: 208Y/ 120 3 PH 4 W
NOTE: (1), (2)
100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	AC-5	0.17			3	15	1	20				SPARE	2
3	**		0.17		**	**	1	20				SPARE	4
5	**			0.17	**	**	1	20				SPARE	6
7	SPACE						1	20				SPARE	8
9	SPACE						1	20				SPARE	10
11	SPACE						1	20				SPARE	12
13	SPACE											SPACE	14
15	SPACE											SPACE	16
17	SPACE											SPACE	18
		0.17	0.17	0.17	SUB-TOTALS				0.00	0.00	0.00		

CONNECTED LOAD:

A: 0.17 KVA = 1.4 A
B: 0.17 KVA = 1.4 A
C: 0.17 KVA = 1.4 A

0.50 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE INTEGRAL SPD.

PANEL ELM1-B
AIC: 65,000
LOCATION: ELECTRICAL ROOM

MAIN: 60 A MLO
MOUNTING: SURFACE

VOLTAGE: 480Y/ 277 3 PH 4 W
NOTE: (1), (2)
100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	LIGHTS - UPS/ELECTRICAL	0.23			1	20	1	20	1.00			EX LIGHTS SERVER ROOM ROW 2/4	2
3	EX LIGHTS 1ST FLR DISPATCH (b)		2.58		1	20	1	20		0.56		EX LIGHTS MEZZ SIMULATION	4
5	EX LIGHTS 1ST FLR DISPATCH (f)			2.35	1	20	1	20				SPARE	6
7	SPACE						1	20				SPARE	8
9	SPACE						1	20				SPARE	10
11	SPACE						1	20				SPARE	12
13	SPACE											SPACE	14
15	SPACE											SPACE	16
17	SPACE											SPACE	18
		0.23	2.58	2.35	SUB-TOTALS				1.00	0.56	0.00		

CONNECTED LOAD:

A: 1.23 KVA = 4.4 A
B: 3.14 KVA = 11.3 A
C: 2.35 KVA = 8.5 A

6.72 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE INTEGRAL SPD.

PANEL ERM1-B
AIC: 10,000
LOCATION: ELECTRICAL ROOM

MAIN: 250 A MCB (2)
MOUNTING: SURFACE

VOLTAGE: 208Y/ 120 3 PH 4 W
NOTE: (1)
100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	2	20	0.56			RM M10 - TECH FURNITURE	2
3	**		-		**	**	**	**		0.56		**	4
5	**			-	**	**	2	20			0.56	RM M10 - TECH FURNITURE	6
7	PANEL ERL1-B (2)	2.38			3	100	**	**	0.56			**	8
9	**		2.27		**	**	1	20		0.80		RECEPT - RM M10 - PRINTER	10
11	**			2.42	**	**	1	20			0.80	RECEPT - RM M10 - PRINTER	12
13	PANEL ERL2-B (2)	3.22			3	100	1	20	0.35			RECEPT - RM M11 - DESKTOP	14
15	**		2.90		**	**	1	20		0.54		RECEPT - UPS ROOM	16
17	**			3.64	**	**	1	20			0.54	RECEPT - MAIN ELECTRICAL ROOM	18
19	PANEL ERM2-B (2)	6.64			3	100	1	20	0.11			SERVER ROOM BEACON LIGHT	20
21	**		5.38		**	**	1	20				SPARE	22
23	**			3.86	**	**	1	20				SPARE	24
25	PANEL ERM3-B (2)	4.38			3	100	1	20				SPARE	26
27	**		5.22		**	**	1	20				SPARE	28
29	**			5.14	**	**	1	20				SPARE	30
31	SPACE											SPACE	32
33	SPACE											SPACE	34
35	SPACE											SPACE	36
37	SPACE											SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		16.62	15.77	15.06	SUB-TOTALS				1.58	1.90	1.90		

CONNECTED LOAD

A: 18.20 KVA = 151.7 A
B: 17.67 KVA = 147.2 A
C: 16.96 KVA = 141.4 A

52.83 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL EMM1-B
AIC: 65,000
LOCATION: UPS B ROOM

MAIN: 400 A MCB (4)
MOUNTING: SURFACE

VOLTAGE: 480Y/ 277 3 PH 4 W
NOTE: (1), (3)
100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	AC-1 (2)	15.69			3	80	3	80	15.69			AC-3 (2)	2
3	**		15.69		**	**	**	**		15.69		**	4
5	**			15.69	**	**	**	**			15.69	**	6
7	AC-2 (2)	15.69			3	80	3	80	15.69			AC-4 (2)	8
9	**		15.69		**	**	**	**		15.69		**	10
11	**			15.69	**	**	**	**			15.69	**	12
13	AC-6	0.48			3	15	3	15	0.48			AC-7	14
15	**		0.48		**	**	**	**		0.48		**	16
17	**			0.48	**	**	**	**			0.48	**	18
19	SPACE											SPACE	20
21	SPACE											SPACE	22
23	SPACE											SPACE	24
25	SPACE											SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
31	SPACE											SPACE	32
33	SPACE											SPACE	34
35	SPACE											SPACE	36
37	SPACE						3	25	0.17			PANEL EMM2-B	38
39	SPACE						**	**		0.17		**	40
41	SPACE						**	**			0.17	**	42
		31.86	31.86	31.86	SUB-TOTALS				32.03	32.03	32.03		

CONNECTED LOAD:

A: 63.89 KVA = 230.6 A
B: 63.89 KVA = 230.6 A
C: 63.89 KVA = 230.6 A

191.66 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SHUNT TRIP CIRCUIT BREAKER. PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.
(3) PROVIDE INTEGRAL SPD.
(4) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL ERL1-B
AIC: 10,000
LOCATION: DISPATCH ROOM

MAIN: 100 A MCB (2)
MOUNTING: RECESSED

VOLTAGE: 208Y/ 120 3 PH 4 W
NOTE: (1)
100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.12			POSITION 2 - CIRCUIT D	2
3	**		-		**	**	1	20		0.12		POSITION 4 - CIRCUIT D	4
5	**			-	**	**	1	20			0.12	POSITION 6 - CIRCUIT D	6
7	POSITION 1 - CIRCUIT D	0.12			1	20	1	20	0.12			POSITION 8 - CIRCUIT D	8
9	POSITION 3 - CIRCUIT D		0.12		1	20	1	20		0.12		POSITION 10 - CIRCUIT D	10
11	POSITION 5 - CIRCUIT D			0.12	1	20	1	20			0.12	POSITION 12 - CIRCUIT D	12
13	POSITION 7 - CIRCUIT D	0.12			1	20	1	20	0.73			POSITION 14 - CIRCUIT E	14
15	POSITION 9 - CIRCUIT D		0.12		1	20	1	20		0.12		POSITION 14 - CIRCUIT E	16
17	POSITION 11 - CIRCUIT D			0.12	1	20	1	20			0.41	POSITION 16 - CIRCUIT D	18
19	POSITION 13 - CIRCUIT D	0.73			1	20	1	20	0.12			POSITION 18 - CIRCUIT D	20
21	POSITION 13 - CIRCUIT E		0.12		1	20	1	20		0.12		POSITION 20 - CIRCUIT D	22
23	POSIITON 15 - CIRCUIT D			0.41	1	20	1	20			0.12	POSITION 22 - CIRCUIT D	24
25	POSITION 17 - CIRCUIT D	0.12			1	20	1	20	0.12			POSITION 24 - CIRCUIT D	26
27	POSITION 19 - CIRCUIT D		0.12		1	20	1	20		0.80		RECEPT - DISPATCH	28
29	POSITION 21 - CIRCUIT D			0.12	1	20	1	20			0.18	RECEPT - DISPATCH	30
31	POSITION 23 - CIRCUIT D	0.12			1	20	1	20				SPARE	32
33	RECEPT - DISPATCH		0.54		1	20	1	20				SPARE	34
35	RECEPT - DISPATCH			0.72	1	20	1	20				SPARE	36
37	SPARE				1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		1.19	1.00	1.48	SUB-TOTALS				1.19	1.26	0.94		

CONNECTED LOAD:

A: 2.38 KVA = 19.8 A
B: 2.27 KVA = 18.9 A
C: 2.42 KVA = 20.2 A

7.06 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

SWITCHBOARD EMSB-B	PANEL ELM1-B	PANEL EMM1-B
SWITCHBOARD GDP	PANEL ERM1-B	PANEL ERL1-B
PANEL EMM2-B		

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

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.
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AS-BUILT PER RECORD PRINT
BY:
DATE:
DGN BY PMW
DWN BY DCW
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DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.
R.O.W NO.
KEY SHEET: NNW
POSITION SHT: 38 NE 2

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: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL PANEL SCHEDULES
401 BOSLEY, TOWSON MARYLAND 21204
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ARCHITECTURE

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

SHEET DESIGNATION	CONTRACT NO.
E9.01	25030-P00
JOB ORDER NO.	906388
SHEET 57 OF 60	
DRAWING NO.	2025-1416
FILE NO. 8	REV.

BKM# 23102.01

PANEL ERL2-B

MAIN: 100 A MCB (2) | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: RECESSED | NOTE: (1)
LOCATION: DISPATCH ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.12			POSITION 26 - CIRCUIT D	2
3	**		-		**	**	1	20		0.12		POSITION 28 - CIRCUIT D	4
5	**			-	**	**	1	20			0.12	POSITION 30 - CIRCUIT D	6
7	POSITION 25 - CIRCUIT D	0.12			1	20	1	20	0.12			POSITION 32 - CIRCUIT D	8
9	POSITION 27 - CIRCUIT D		0.12		1	20	1	20		0.41		POSITION 34 - CIRCUIT D	10
11	POSITION 29 - CIRCUIT D			0.12	1	20	1	20			0.73	POSITION 36 - CIRCUIT D	12
13	POSITION 31 - CIRCUIT D	0.12			1	20	1	20	0.12			POSITION 36 - CIRCUIT E	14
15	POSITION 33 - CIRCUIT D		0.41		1	20	1	20		0.12		POSITION 38 - CIRCUIT D	16
17	POSITION 35 - CIRCUIT D			0.73	1	20	1	20			0.41	POSITION 40 - CIRCUIT D	18
19	POSITION 35 - CIRCUIT E	0.92			1	20	1	20	0.12			POSITION 42 - CIRCUIT D	20
21	POSITION 37 - CIRCUIT D		0.12		1	20	1	20		0.12		POSITION 44 - CIRCUIT D	22
23	POSITION 39 - CIRCUIT D			0.73	1	20	1	20			0.41	POSITION 46 - CIRCUIT D	24
25	POSITION 39 - CIRCUIT E	0.12			1	20	1	20	0.73			POSITION 48 - CIRCUIT D	26
27	POSITION 41 - CIRCUIT D		0.12		1	20	1	20		0.12		POSITION 48 - CIRCUIT E	28
29	POSITION 43 - CIRCUIT D			0.12	1	20	1	20			0.18	RECEPT - DISPATCH	30
31	POSITION 45 - CIRCUIT D	0.41			1	20	1	20	0.36			RECEPT - DISPATCH	32
33	POSITION 47 - CIRCUIT D		0.73		1	20	1	20		0.54		RECEPT - DISPATCH	34
35	POSITION 47 - CIRCUIT E			0.12	1	20	1	20				SPARE	36
37	SPARE				1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		1.68	1.48	1.80	SUB-TOTALS				1.55	1.42	1.84		

CONNECTED LOAD:

A: 3.22 KVA = 26.9 A
B: 2.90 KVA = 24.2 A
C: 3.64 KVA = 30.3 A

9.76 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL ERM2-B

MAIN: 100 A MCB (2) | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: RECESSED | NOTE: (1)
LOCATION: SIMULATION ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.42			POSITION 50 - CIRCUIT A	2
3	**		-		**	**	1	20		0.74		POSITION 50 - CIRCUIT B	4
5	**			-	**	**	1	20			0.36	POSITION 50 - CIRCUIT C	6
7	POSITION 49 - CIRCUIT A	0.48			1	20	1	20	0.12			POSITION 50 - CIRCUIT D	8
9	POSITION 49 - CIRCUIT B		0.79		1	20	1	20		0.42		POSITION 52 - CIRCUIT A	10
11	POSITION 49 - CIRCUIT C			0.30	1	20	1	20			0.74	POSITION 52 - CIRCUIT B	12
13	POSITION 49 - CIRCUIT D	1.21			1	20	1	20	0.36			POSITION 52 - CIRCUIT C	14
15	POSITION 51 - CIRCUIT A		0.42		1	20	1	20		0.12		POSITION 52 - CIRCUIT D	16
17	POSITION 51 - CIRCUIT B			0.74	1	20	1	20			0.42	POSITION 54 - CIRCUIT A	18
19	POSITION 51 - CIRCUIT C	0.36			1	20	1	20	0.74			POSITION 54 - CIRCUIT B	20
21	POSITION 51 - CIRCUIT D		0.12		1	20	1	20		0.36		POSITION 54 - CIRCUIT C	22
23	POSITION 53 - CIRCUIT A			0.42	1	20	1	20			0.12	POSITION 54 - CIRCUIT D	24
25	POSITION 53 - CIRCUIT B	0.74			1	20	1	20	0.42			POSITION 56 - CIRCUIT A	26
27	POSITION 53 - CIRCUIT C		0.36		1	20	1	20		0.74		POSITION 56 - CIRCUIT B	28
29	POSITION 53 - CIRCUIT D			0.12	1	20	1	20			0.36	POSITION 56 - CIRCUIT C	30
31	POSITION 55 - CIRCUIT A	0.48			1	20	1	20	0.12			POSITION 56 - CIRCUIT D	32
33	POSITION 55 - CIRCUIT B		0.79		1	20	1	20		0.54		RECEPT - DISPATCH	34
35	POSITION 55 - CIRCUIT C			0.30	1	20	1	20				SPARE	36
37	POSITION 55 - CIRCUIT D	1.21			1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		4.48	2.48	1.87	SUB-TOTALS				2.16	2.91	1.99		

CONNECTED LOAD:

A: 6.64 KVA = 55.4 A
B: 5.38 KVA = 44.9 A
C: 3.86 KVA = 32.2 A

15.89 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL ERM3-B

MAIN: 100 A MCB (2) | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: RECESSED | NOTE: (1)
LOCATION: SIMULATION ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.42			POSIITON 58 - CIRCUIT A	2
3	**		-		**	**	1	20		0.74		POSITION 58 - CIRCUIT B	4
5	**			-	**	**	1	20			0.36	POSITION 58 - CIRCUIT C	6
7	POSIITON 57 - CIRCUIT A	0.42			1	20	1	20	0.12			POSITION 58 - CIRCUIT D	8
9	POSITION 57 - CIRCUIT B		0.74		1	20	1	20		0.42		POSIITON 60 - CIRCUIT A	10
11	POSITION 57 - CIRCUIT C			0.36	1	20	1	20			0.74	POSITION 60 - CIRCUIT B	12
13	POSITION 57 - CIRCUIT D	0.12			1	20	1	20	0.36			POSITION 60 - CIRCUIT C	14
15	POSITION 59 - CIRCUIT A		0.42		1	20	1	20		0.12		POSITION 60 - CIRCUIT D	16
17	POSITION 59 - CIRCUIT B			0.74	1	20	1	20			0.48	POSIITON 62 - CIRCUIT A	18
19	POSITION 59 - CIRCUIT C	0.36			1	20	1	20	0.79			POSITION 62 - CIRCUIT B	20
21	POSITION 59 - CIRCUIT D		0.12		1	20	1	20		0.30		POSITION 62 - CIRCUIT C	22
23	POSIITON 61 - CIRCUIT A			0.42	1	20	1	20			1.21	POSITION 62 - CIRCUIT D	24
25	POSITION 61 - CIRCUIT B	0.74			1	20	1	20	0.42			POSIITON 64 - CIRCUIT A	26
27	POSITION 61 - CIRCUIT C		0.36		1	20	1	20		0.74		POSITION 64 - CIRCUIT B	28
29	POSITION 61 - CIRCUIT D			0.12	1	20	1	20			0.36	POSITION 64 - CIRCUIT C	30
31	POSIITON 63 - CIRCUIT A	0.42			1	20	1	20	0.12			POSITION 64 - CIRCUIT D	32
33	POSITION 63 - CIRCUIT B		0.74		1	20	1	20		0.54		RECEPT - DISPATCH	34
35	POSITION 63 - CIRCUIT C			0.36	1	20	1	20				SPARE	36
37	POSITION 63 - CIRCUIT D	0.12			1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		2.16	2.37	1.99	SUB-TOTALS				2.22	2.85	3.15		

CONNECTED LOAD:

A: 4.38 KVA = 36.5 A
B: 5.22 KVA = 43.5 A
C: 5.14 KVA = 42.9 A

14.73 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSMDP-B

MAIN: 350 A MLO | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: SURFACE | NOTE: (1)
LOCATION: SERVER ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	3	100	6.13			PANEL UPSL1-B (2)	2
3	**		-		**	**	**	**		6.03		**	4
5	**			-	**	**	**	**			4.58	**	6
7	PANEL UPSM1-B (2)	5.32			3	100	3	100	5.54			PANEL UPSL2-B (2)	8
9	**		5.08		**	**	**	**		5.68		**	10
11	**			4.80	**	**	**	**			5.58	**	12
13	PANEL UPSM2-B (2)	2.03			3	100	3	100	5.13			PANEL UPSL3-B (2)	14
15	**		2.12		**	**	**	**		3.69		**	16
17	**			2.27	**	**	**	**			4.45	**	18
19	PANEL UPSM3-B (2)	2.54			3	100	3	100	6.81			PANEL UPSL4-B (2)	20
21	**		1.98		**	**	**	**		6.12		**	22
23	**			1.99	**	**	**	**			6.08	**	24
25	PANEL UPSM4-B (2)	1.72			3	100	3	100	4.57			PANEL UPSL5-B (2)	26
27	**		1.54		**	**	**	**		4.64		**	28
29	**			1.18	**	**	**	**			4.74	**	30
31	SPACE											SPACE	32
33	SPACE											SPACE	34
35	SPACE											SPACE	36
37	SPACE											SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		11.60	10.71	10.24	SUB-TOTALS				28.19	26.15	25.43		

CONNECTED LOAD:

A: 39.79 KVA = 331.6 A
B: 36.87 KVA = 307.2 A
C: 35.67 KVA = 297.3 A

112.33 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSL1-B

MAIN: 100 A MCB (2) | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: RECESSED | NOTE: (1)
LOCATION: DISPATCH ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.42			POSITION 2 - CIRCUIT A	2
3	**		-		**	**	1	20		0.74		POSITION 2 - CIRCUIT B	4
5	**			-	**	**	1	20			0.36	POSITION 2 - CIRCUIT C	6
7	POSITION 1 - CIRCUIT A	0.42			1	20	1	20	0.74			POSITION 4 - CIRCUIT B	8
9	POSITION 1 - CIRCUIT B		0.74		1	20	1	20		0.36		POSITION 4 - CIRCUIT C	10
11	POSITION 1 - CIRCUIT C			0.36	1	20	1	20			0.42	POSITION 4 - CIRCUIT A	12
13	POSITION 3 - CIRCUIT B	0.74			1	20	1	20	0.36			POSITION 6 - CIRCUIT C	14
15	POSITION 3 - CIRCUIT C		0.36		1	20	1	20		0.42		POSITION 6 - CIRCUIT A	16
17	POSITION 3 - CIRCUIT A			0.42	1	20	1	20			0.74	POSITION 6 - CIRCUIT B	18
19	POSITION 5 - CIRCUIT C	0.36			1	20	1	20	0.42			POSITION 8 - CIRCUIT A	20
21	POSITION 5 - CIRCUIT A		0.42		1	20	1	20		0.74		POSITION 8 - CIRCUIT B	22
23	POSITION 5 - CIRCUIT B			0.74	1	20	1	20			0.36	POSITION 8 - CIRCUIT C	24
25	POSITION 7 - CIRCUIT A	0.42			1	20	1	20	0.74			POSITION 10 - CIRCUIT B	26
27	POSITION 7 - CIRCUIT B		0.74		1	20	1	20		0.36		POSITION 10 - CIRCUIT C	28
29	POSITION 7 - CIRCUIT C			0.36	1	20	1	20			0.42	POSITION 10 - CIRCUIT A	30
31	POSITION 9 - CIRCUIT B	0.74			1	20	1	20	0.80			RECEPT - PRINTER	32
33	POSITION 9 - CIRCUIT C		0.36		1	20	1	20		0.80		RECEPT - PRINTER	34
35	POSITION 9 - CIRCUIT A			0.42	1	20	1	20				SPARE	36
37	SPARE				1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		2.67	2.61	2.29	SUB-TOTALS				3.47	3.41	2.29		

CONNECTED LOAD:

A: 6.13 KVA = 51.1 A
B: 6.03 KVA = 50.2 A
C: 4.58 KVA = 38.2 A

16.74 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSL2-B

MAIN: 100 A MCB (2) | VOLTAGE: 208Y/ 120 3 PH 4 W
AIC: 10,000 | MOUNTING: RECESSED | NOTE: (1)
LOCATION: DISPATCH ROOM | 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.36			POSITION 12 - CIRCUIT C	2
3	**		-		**	**	1	20		0.42		POSITION 12 - CIRCUIT A	4
5	**			-	**	**	1	20			0.74	POSITION 12 - CIRCUIT B	6
7	POSITION 11 - CIRCUIT C	0.36			1	20	1	20	0.83			POSITION 14 - CIRCUIT A	8
9	POSITION 11 - CIRCUIT A		0.42		1	20	1	20		0.79		POSITION 14 - CIRCUIT B	10
11	POSITION 11 - CIRCUIT B			0.74	1	20	1	20			0.65	POSITION 14 - CIRCUIT C	12
13	POSITION 13 - CIRCUIT A	0.48			1	20	1	20	0.79			POSITION 16 - CIRCUIT B	14
15	POSITION 13 - CIRCUIT B		0.79		1	20	1	20		0.30		POSITION 16 - CIRCUIT C	16
17	POSITION 13 - CIRCUIT C			0.30	1	20	1	20			0.48	POSITION 16 - CIRCUIT A	18
19	POSITION 15 - CIRCUIT B	0.79			1	20	1	20	0.36			POSITION 18 - CIRCUIT C	20
21	POSITION 15 - CIRCUIT C		0.30		1	20	1	20		0.20		POSITION 18 - CIRCUIT A	22
23	POSITION 15 - CIRCUIT A			0.48	1	20	1	20			0.74	POSITION 18 - CIRCUIT B	24
25	POSITION 17 - CIRCUIT C	0.36			1	20	1	20	0.20			POSITION 20 - CIRCUIT A	26
27	POSITION 17 - CIRCUIT A		0.20		1	20	1	20		0.74		POSITION 20 - CIRCUIT B	28
29	POSITION 17 - CIRCUIT B			0.74	1	20	1	20			0.36	POSITION 20 - CIRCUIT C	30
31	POSITION 19 - CIRCUIT A	0.20			1	20	1	20	0.41			RECEPT - DATA CLOSET	32
33	POSITION 19 - CIRCUIT B		0.74		1	20	1	20		0.80		RECEPT - PRINTER	34
35	POSITION 19 - CIRCUIT C			0.36	1	20	1	20				SPARE	36
37	RECEPT - DATA CLOSET	0.41			1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		2.59	2.44	2.62	SUB-TOTALS				2.94	3.24	2.96		

CONNECTED LOAD:

A: 5.54 KVA = 46.1 A
B: 5.68 KVA = 47.4 A
C: 5.58 KVA = 46.5 A

16.80 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL ERL2-B	PANEL ERM2-B	PANEL ERM3-B
PANEL UPSMDP-B	PANEL UPSL1-B	PANEL UPSL2-B

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

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. 30474 EXPIRATION DATE 01/23/2027

ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.

DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | NNW | 38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

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

DGN BY PMW
AS-BUILT PER RECORD PRINT
DWN BY DCW
BY:
DATE:
CHKD BY PMW

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL PANEL SCHEDULES
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E9.02	25030-P00
JOB ORDER NO.	
906388	
SHEET 58 OF 60	
DRAWING NO.	
2025-1417	
FILE NO. 8	REV.

BKM# 23102.01

DWG FILENAME: 001A1107

ARL: G:\23102.01\Drawings\Acad\E\E901

Plotted By: Denise Wilson | 4/10/2025 6:58 AM

PANEL UPSL3-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** RECESSED — **NOTE:** (1)
LOCATION: DISPATCH ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.74			POSITION 22 - CIRCUIT B	2
3	**		-		**	**	1	20		0.36		POSITION 22 - CIRCUIT C	4
5	**			-	**	**	1	20			0.20	POSITION 22 - CIRCUIT A	6
7	POSITION 21 - CIRCUIT B	0.74			1	20	1	20	0.36			POSITION 24 - CIRCUIT C	8
9	POSITION 21 - CIRCUIT C		0.36		1	20	1	20		0.20		POSITION 24 - CIRCUIT A	10
11	POSITION 21 - CIRCUIT A			0.20	1	20	1	20			0.74	POSITION 24 - CIRCUIT B	12
13	POSITION 23 - CIRCUIT C	0.36			1	20	1	20	0.20			POSITION 26 - CIRCUIT A	14
15	POSITION 23 - CIRCUIT A		0.20		1	20	1	20		0.74		POSITION 26 - CIRCUIT B	16
17	POSITION 23 - CIRCUIT B			0.74	1	20	1	20			0.36	POSITION 26 - CIRCUIT C	18
19	POSITION 25 - CIRCUIT A	0.20			1	20	1	20	0.74			POSITION 28 - CIRCUIT B	20
21	POSITION 25 - CIRCUIT B		0.74		1	20	1	20		0.36		POSITION 28 - CIRCUIT C	22
23	POSITION 25 - CIRCUIT C			0.36	1	20	1	20			0.20	POSITION 28 - CIRCUIT A	24
25	POSITION 27 - CIRCUIT B	0.74			1	20	1	20	0.36			POSITION 30 - CIRCUIT C	26
27	POSITION 27 - CIRCUIT C		0.36		1	20	1	20		0.20		POSITION 30 - CIRCUIT A	28
29	POSITION 27 - CIRCUIT A			0.20	1	20	1	20			0.74	POSITION 30 - CIRCUIT B	30
31	POSITION 29 - CIRCUIT C	0.36			1	20	1	20	0.36			ACCESS CONTROL PANEL	32
33	POSITION 29 - CIRCUIT A		0.20		1	20	1	20				SPARE	34
35	POSITION 29 - CIRCUIT B			0.74	1	20	1	20				SPARE	36
37	SPARE				1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		2.39	1.84	2.22	SUB-TOTALS				2.75	1.84	2.22		

CONNECTED LOAD:

A: 5.13 KVA = 42.8 A
B: 3.69 KVA = 30.7 A
C: 4.45 KVA = 37.1 A

13.27 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSL4-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** RECESSED — **NOTE:** (1)
LOCATION: DISPATCH ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.20			POSITION 32 - CIRCUIT A	2
3	**		-		**	**	1	20		0.74		POSITION 32 - CIRCUIT B	4
5	**			-	**	**	1	20			0.36	POSITION 32 - CIRCUIT C	6
7	POSITION 31 - CIRCUIT A	0.20			1	20	1	20	0.79			POSITION 34 - CIRCUIT B	8
9	POSITION 31 - CIRCUIT B		0.74		1	20	1	20		0.30		POSITION 34 - CIRCUIT C	10
11	POSITION 31 - CIRCUIT C			0.36	1	20	1	20			0.48	POSITION 34 - CIRCUIT A	12
13	POSITION 33 - CIRCUIT B	0.79			1	20	1	20	0.65			POSITION 36 - CIRCUIT C	14
15	POSITION 33 - CIRCUIT C		0.30		1	20	1	20		0.83		POSITION 36 - CIRCUIT A	16
17	POSITION 33 - CIRCUIT A			0.48	1	20	1	20			0.79	POSITION 36 - CIRCUIT B	18
19	POSITION 35 - CIRCUIT C	0.72			1	20	1	20	0.20			POSITION 38 - CIRCUIT A	20
21	POSITION 35 - CIRCUIT A		0.48		1	20	1	20		0.74		POSITION 38 - CIRCUIT B	22
23	POSITION 35 - CIRCUIT B			0.79	1	20	1	20			0.36	POSITION 38 - CIRCUIT C	24
25	POSITION 37 - CIRCUIT A	0.20			1	20	1	20	0.79			POSITION 40 - CIRCUIT B	26
27	POSITION 37 - CIRCUIT B		0.74		1	20	1	20		0.30		POSITION 40 - CIRCUIT C	28
29	POSITION 37 - CIRCUIT C			0.36	1	20	1	20			0.48	POSITION 40 - CIRCUIT A	30
31	POSITION 39 - CIRCUIT B	0.79			1	20	1	20	0.80			RECEPT - PRINTER	32
33	POSITION 39 - CIRCUIT C		0.65		1	20	1	20		0.31		RECEPT - OPS RM 120	34
35	POSITION 39 - CIRCUIT A			0.83	1	20	1	20			0.80	RECEPT - PRINTER	36
37	RECEPT - DISPATCH	0.70			1	20	1	20				SPARE	38
39	SPARE				1	20	1	20				SPARE	40
41	SPARE				1	20	1	20				SPARE	42
		3.39	2.91	2.82	SUB-TOTALS				3.42	3.22	3.27		

CONNECTED LOAD:

A: 6.81 KVA = 56.8 A
B: 6.12 KVA = 51.0 A
C: 6.08 KVA = 50.7 A

19.02 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSL5-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** RECESSED — **NOTE:** (1)
LOCATION: DISPATCH ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.36			POSITION 42 - CIRCUIT C	2
3	**		-		**	**	1	20		0.42		POSITION 42 - CIRCUIT A	4
5	**			-	**	**	1	20			0.74	POSITION 42 - CIRCUIT B	6
7	POSITION 41 - CIRCUIT C	0.36			1	20	1	20	0.42			POSITION 44 - CIRCUIT A	8
9	POSITION 41 - CIRCUIT A		0.42		1	20	1	20		0.74		POSITION 44 - CIRCUIT B	10
11	POSITION 41 - CIRCUIT B			0.74	1	20	1	20			0.36	POSITION 44 - CIRCUIT C	12
13	POSITION 43 - CIRCUIT A	0.42			1	20	1	20	0.79			POSITION 46 - CIRCUIT B	14
15	POSITION 43 - CIRCUIT B		0.74		1	20	1	20		0.30		POSITION 46 - CIRCUIT C	16
17	POSITION 43 - CIRCUIT C			0.36	1	20	1	20			0.48	POSITION 46 - CIRCUIT A	18
19	POSITION 45 - CIRCUIT B	0.79			1	20	1	20	0.30			POSITION 48 - CIRCUIT C	20
21	POSITION 45 - CIRCUIT C		0.30		1	20	1	20		0.48		POSITION 48 - CIRCUIT A	22
23	POSITION 45 - CIRCUIT A			0.48	1	20	1	20			0.79	POSITION 48 - CIRCUIT B	24
25	POSITION 47 - CIRCUIT C	0.30			1	20	1	20	0.41			RECEPT - DATA CLOSET	26
27	POSITION 47 - CIRCUIT A		0.48		1	20	1	20		0.41		RECEPT - DATA CLOSET	28
29	POSITION 47 - CIRCUIT B			0.79	1	20	1	20				SPARE	30
31	RECEPT - RM 110	0.43			1	20	1	20				SPARE	32
33	RECEPT - DATA CLOSET		0.36		1	20	1	20				SPARE	34
35	SPARE				1	20	1	20				SPARE	36
37	SPACE											SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		2.29	2.29	2.37	SUB-TOTALS				2.28	2.34	2.37		

CONNECTED LOAD:

A: 4.57 KVA = 38.1 A
B: 4.64 KVA = 38.6 A
C: 4.74 KVA = 39.5 A

13.95 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSM1-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** WITHIN RDC — **NOTE:** (1)
LOCATION: SERVER ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.32			E2B	2
3	**		-		**	**	1	20		0.27		F2B	4
5	**			-	**	**	1	20			0.32	E4B	6
7	A2B	0.17			1	20	1	20	0.27			F4B	8
9	A4B		0.17		1	20	1	20		0.20		F8B	10
11	A6B			0.17	1	20	1	20			0.20	F6B	12
13	B2B	0.90			1	20	1	20	0.31			G2B	14
15	B4B		0.90		1	20	1	20		0.31		G4B	16
17	C2B			1.63	1	20	2	30			0.63	H2B	18
19	C4B	1.63			1	20	**	**	0.63			**	20
21	C6B		1.63		1	20	1	20		0.51		J2B	22
23	D2B			0.46	1	20	2	30			0.93	J4B	24
25	D4B	0.46			1	20	**	**	0.63			H4B	26
27	D6B		0.46		1	20	1	20		0.63		**	28
29	D8B			0.46	1	20	1	20				SPARE	30
31	SPARE				1	20	1	20				SPARE	32
33	SPARE				1	20	1	20				SPARE	34
35	SPARE				1	20	1	20				SPARE	36
37	SPACE											SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		3.16	3.16	2.72	SUB-TOTALS				2.16	1.92	2.08		

CONNECTED LOAD:

A: 5.32 KVA = 44.3 A
B: 5.08 KVA = 42.3 A
C: 4.80 KVA = 40.0 A

15.20 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANEL MOUNTED IN RDC. PROVIDE RDC.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSM2-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** WITHIN RDC — **NOTE:** (1)
LOCATION: SERVER ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	15	0.06			L37B	2
3	**		-		**	**	1	15		0.30		L42B	4
5	**			-	**	**	1	15			0.05	L40B	6
7	L9B	0.43			1	15	1	15				L43B - MOTOROLA SPARE	8
9	L6B		0.33		1	15	1	15		0.43		L46B	10
11	L3B			0.33	1	15	1	15			0.43	L49B	12
13	L12B	0.43			1	15	1	15	0.05			L51B	14
15	L14B		0.13		1	15	1	15		0.06		L52B	16
17	L15B			0.85	1	15	1	15				L54B - MOTOROLA SPARE	18
19	L17B	0.86			1	15	1	15	0.12			L56B	20
21	L18B		0.04		1	15	1	15		0.06		L57B	22
23	L20B			0.52	1	15	1	15				L60B (FOR FUTURE USE)	24
25	L21B - MOTOROLA SPARE				1	15	1	15				L62B (FOR FUTURE USE)	26
27	L24B		0.76		1	15	1	15				L64B (FOR FUTURE USE)	28
29	L27B			0.06	1	15	1	15				L66B (FOR FUTURE USE)	30
31	L29B	0.06			1	15	1	15				SPARE	32
33	L30B		0.02		1	15	1	15				SPARE	34
35	L32B			0.03	1	15	1	15				SPARE	36
37	L33B	0.03			1	15						SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		1.80	1.27	1.79	SUB-TOTALS				0.23	0.85	0.48		

CONNECTED LOAD:

A: 2.03 KVA = 17.0 A
B: 2.12 KVA = 17.6 A
C: 2.27 KVA = 18.9 A

6.42 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANEL MOUNTED IN RDC. PROVIDE RDC.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSM3-B — **MAIN:** 100 A MCB (2) — **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 — **MOUNTING:** SURFACE — **NOTE:** (1)
LOCATION: SERVER ROOM — 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	15	0.24			K43B	2
3	**		-		**	**	1	15				K44B - MOTOROLA SPARE	4
5	**			-	**	**	1	15			0.04	K47B	6
7	K3B	0.26			1	15	1	15	0.18			K48B	8
9	K4B		0.26		1	15	1	15		0.18		K51B	10
11	K7B			0.26	1	15	1	15			0.18	K52B	12
13	K8B	0.26			1	15	1	15	0.07			K57B	14
15	K12B		0.26		1	15	1	15		0.04		K58B	16
17	K13B			0.26	1	15	1	15			0.04	K59B	18
19	K16B	0.26			1	15	1	15	0.15			K63B	20
21	K17B		0.26		1	15	1	15		0.14		K64B	22
23	K21B			0.26	1	15	1	15			0.14	K65B	24
25	K22B	0.26			1	15	1	15	0.04			K69B	26
27	K25B		0.26		1	15	1	15		0.08		K70B	28
29	K26B			0.26	1	15	1	15			0.05	K73B	30
31	K30B	0.26			1	15	1	15	0.30			K74B	32
33	K31B		0.26		1	15	1	15				SPARE	34
35	K34B			0.26	1	15	1	15				SPARE	36
37	K35B	0.26			1	15	1	15				SPARE	38
39	K39B		0.24		1	15	1	15				SPARE	40
41	K40B			0.24	1	15	1	15				SPACE	42
		1.56	1.54	1.54	SUB-TOTALS				0.98	0.44	0.45		

CONNECTED LOAD:

A: 2.54 KVA = 21.1 A
B: 1.98 KVA = 16.5 A
C: 1.99 KVA = 16.6 A

6.51 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL UPSL3-B	PANEL UPSL4-B	PANEL UPSL5-B
PANEL UPSM1-B	PANEL UPSM2-B	PANEL UPSM3-B

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL. (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

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. 30474, EXPIRATION DATE 01/23/2027.
ENGINEER: DAVID WETZEL — Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY: DATE:
DATE : APRIL 10, 2025

AS-BUILT / REVISION	BY	DATE
CONTRACT COMPLETION BOX		

P.W.A. NO.	KEY SHEET	POSITION SHT
R.O.W NO.	NNW	38 NE 2

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

DGN BY DMW	DWN BY DGW	CHKD BY DMW

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

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL PANEL SCHEDULES
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON — ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E9.03	25030-P00
JOB ORDER NO.	906388
SHEET 59 OF 60	
DRAWING NO.	2025-1418
FILE NO. 8	REV.

BKM# 23102.01

DWG FILENAME: 0011A107

ARL: G:\23102.01\Drawings\Acad\E1E901

Plotted By: Denise Wilson | 4/10/2025 6:58 AM

PANEL UPSM4-B **MAIN:** 100 A MCB (3) **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 **MOUNTING:** SURFACE **NOTE:** (1)
LOCATION: SERVER ROOM 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SPD	-			3	60	1	20	0.41			RECEPT - RM M31 CLOSET	2
3	**		-		**	**	1	20		0.41		RECEPT - RM M31 CLOSET	4
5	**			-	**	**	1	20			0.41	RECEPT - ROOM M17 CLOSET	6
7	RECEPT - ROOM M45 SIMULATION	0.41			1	20	1	20	0.18			M3B (2)	8
9	RECEPT - ROOM M45 SIMULATION		0.41		1	20	1	20		-		M4B - MOTOROLA SPARE (2)	10
11	RECEPT - ROOM M17 CLOSET			0.41	1	20	1	20			-	SPARE	12
13	RECEPT - RM MO1b DATA CLOSET	0.72			1	20	1	20				SPARE	14
15	RECEPT - RM M19 SERVER		0.72		1	20	1	20				SPARE	16
17	ACCESS CONTROL PANEL			0.36	1	20	1	20				SPARE	18
19	SPACE											SPACE	20
21	SPACE											SPACE	22
23	SPACE											SPACE	24
25	SPACE											SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
31	SPACE											SPACE	32
33	SPACE											SPACE	34
35	SPACE											SPACE	36
37	SPACE											SPACE	38
39	SPACE											SPACE	40
41	SPACE											SPACE	42
		1.13	1.13	0.77	SUB-TOTALS				0.59	0.41	0.41		

CONNECTED LOAD:

A: 1.72 KVA = 14.3 A
B: 1.54 KVA = 12.8 A
C: 1.18 KVA = 9.8 A

4.43 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE SHUNT TRIP CIRCUIT BREAKER.
(3) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

PANEL EPM2 **MAIN:** 50 A MCB **VOLTAGE:** 208Y/ 120 3 PH 4 W
AIC: 10,000 **MOUNTING:** SURFACE **NOTE:** (1), (2)
LOCATION: ELECTRICAL ROOM 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	SERVER ROOM EPO	0.100			1	20	1	20				SPARE	2
3	2ND FLOR MICROWAVE EPO		0.100		1	20	1	20				SPARE	4
5	SPARE				1	20	1	20				SPARE	6
7	SPACE											SPACE	8
9	SPACE											SPACE	10
11	SPACE											SPACE	12
13	SPACE											SPACE	14
15	SPACE											SPACE	16
17	SPACE											SPACE	18
		0.10	0.10	0.00	SUB-TOTALS				0.00	0.00	0.00		

CONNECTED LOAD:

A: 0.10 KVA = 0.8 A
B: 0.10 KVA = 0.8 A
C: 0.00 KVA = 0.0 A

0.20 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE INTEGRAL SPD.

PANEL EPM1 **MAIN:** 125 A MLO **VOLTAGE:** 480Y/ 277 3 PH 4 W
AIC: 65,000 **MOUNTING:** SURFACE **NOTE:** (1), (2)
LOCATION: ELECTRICAL ROOM 100% RATED NEUTRAL BUS

CKT	EQUIPMENT SERVED	LOAD (KVA) A	B	C	BREAKER P	AMPS	BREAKER P	AMPS	LOAD (KVA) A	B	C	EQUIPMENT SERVED	CKT
1	EX GENERATOR PANEL (3)	5.20			3	70	3	25	0.10			PANEL EPM2 (VIA XFMR)	2
3	**		5.20		**	**	**	**		0.10		**	4
5	**			5.20	**	**	**	**			0.00	**	6
7	SPACE											SPACE	8
9	SPACE											SPACE	10
11	SPACE											SPACE	12
13	SPACE											SPACE	14
15	SPACE											SPACE	16
17	SPACE											SPACE	18
		5.20	5.20	5.20	SUB-TOTALS				0.10	0.10	0.00		

CONNECTED LOAD:

A: 5.30 KVA = 19.1 A
B: 5.30 KVA = 19.1 A
C: 5.20 KVA = 18.8 A

15.80 TOTAL CONNECTED LOAD (KVA)

NOTE:
(1) PROVIDE PANELBOARD.
(2) PROVIDE INTEGRAL SPD.
(3) PROVIDE SQUARE D MISSION CRITICAL TYPE CIRCUIT BREAKER WITH LSI TRIP FUNCTION TO PROVIDE SELECTIVE COORDINATION WITH UPSTREAM AND DOWNSTREAM DEVICES.

STANDBY GENERATOR SEQUENCE OF OPERATION
EXISTING SEQUENCE OF OPERATION (ATS 5)

1. THE ENTIRE 911 ELECTRICAL DISTRIBUTION SYSTEM IS CONNECTED TO AN EMERGENCY DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION. ALL CONNECTED EQUIPMENT IS SUPPLIED BY NORMAL UTILITY POWER UNDER NORMAL OPERATING CONDITIONS. ALL CONNECTED EQUIPMENT IS SUPPLIED BY THE STANDBY GENERATOR UPON LOSS OF NORMAL UTILITY POWER UNLESS NOTED OTHERWISE BELOW.
2. LOSS OF NORMAL UTILITY POWER AT ATS 5 SHALL RESULT IN THE FOLLOWING SEQUENCE OF EVENTS:
   * ATS 5 WILL START THE GENERATOR AUTOMATICALLY WITH NO TIME DELAY.
   * ATS 5 WILL SWITCH TO GENERATOR POWER AND LOAD WILL BE APPLIED TO THE GENERATOR WITHIN 10 SECONDS.
3. WHEN THE 911 ELECTRICAL DISTRIBUTION SYSTEM IS SUPPLIED BY GENERATOR POWER, ALL CONNECTED EQUIPMENT WILL OPERATE IN THE SAME WAY AS WHEN THIS EQUIPMENT IS SUPPLIED BY NORMAL UTILITY POWER, EXCEPT FOR THE FOLLOWING:
   * AC-1, AC-2, AC-3, AND AC-4 WILL BE RESTARTED SEQUENTIALLY. THIS IS CONTROLLED BY THE BUILDING ATC SYSTEM. PROVIDE DRY CONTACTS AT ATS 5 INDICATING WHEN ATS 5 IS RECEIVING POWER FROM THE GENERATOR FOR USE BY THE BUILDING ATC SYSTEM.
   * THE HUMIDIFIER/REHEAT FUNCTION WILL NOT OPERATE ON AC-1, AC-2, AC-3, AND AC-4 DUE TO THE USE OF THE HUMIDIFIER/REHEAT LOCK OUT FEATURE ON THESE UNITS. PROVIDE DRY CONTACTS AT ATS 5 INDICATING WHEN ATS 5 IS RECEIVING POWER FROM THE GENERATOR FOR USE BY THE BUILDING ATC SYSTEM.
4. UPON RETURN OF NORMAL CONTINUOUS STABLE UTILITY POWER FOR 10 CONSECUTIVE MINUTES, THE FOLLOWING SEQUENCE OF EVENTS SHALL OCCUR:
   * ATS 5 WILL SEND A PRE-TRANSFER SIGNAL (VIA DRY CONTACTS LOCATED IN THE ATS) TO THE BUILDING ATC SYSTEM.
   * ATS 5 WILL AUTOMATICALLY SWITCH BACK TO NORMAL UTILITY POWER.
   * ATS 5 WILL SEND A POST TRANSFER SIGNAL (VIA DRY CONTACTS LOCATED IN THE ATS) TO THE BUILDING ATC SYSTEM).
   * THE GENERATOR WILL CONTINUE TO RUN IN COOL DOWN MODE FOR A TIME AS RECOMMENDED BY THE GENERATOR MANUFACTURER AND THEN WILL AUTOMATICALLY SHUT DOWN.

STANDBY GENERATOR SEQUENCE OF OPERATION
PROVIDE SEQUENCE OF OPERATION FOR ATS B

5. LOSS OF NORMAL UTILITY POWER AT ATS B SHALL RESULT IN THE FOLLOWING SEQUENCE OF EVENTS:
   * ATS B WILL START THE GENERATOR AUTOMATICALLY WITH NO TIME DELAY.
   * ATS B WILL SWITCH TO GENERATOR POWER AND LOAD WILL BE APPLIED TO THE GENERATOR WITHIN 10 SECONDS.
6. WHEN THE 911 ELECTRICAL DISTRIBUTION SYSTEM IS SUPPLIED BY GENERATOR POWER, ALL CONNECTED EQUIPMENT WILL OPERATE IN THE SAME WAY AS WHEN THIS EQUIPMENT IS SUPPLIED BY NORMAL UTILITY POWER, EXCEPT FOR THE FOLLOWING:
   * AC-1, AC-2, AC-3, AND AC-4 WILL BE RESTARTED SEQUENTIALLY. THIS IS CONTROLLED BY THE BUILDING ATC SYSTEM. PROVIDE DRY CONTACTS AT ATS B INDICATING WHEN ATS B IS RECEIVING POWER FROM THE GENERATOR FOR USE BY THE BUILDING ATC SYSTEM.
   * THE HUMIDIFIER/REHEAT FUNCTION WILL NOT OPERATE ON AC-1, AC-2, AC-3, AND AC-4 DUE TO THE USE OF THE HUMIDIFIER/REHEAT LOCK OUT FEATURE ON THESE UNITS. PROVIDE DRY CONTACTS AT ATS B INDICATING WHEN ATS B IS RECEIVING POWER FROM THE GENERATOR FOR USE BY THE BUILDING ATC SYSTEM.
7. UPON RETURN OF NORMAL CONTINUOUS STABLE UTILITY POWER FOR 10 CONSECUTIVE MINUTES, THE FOLLOWING SEQUENCE OF EVENTS SHALL OCCUR:
   * ATS B WILL SEND A PRE-TRANSFER SIGNAL (VIA DRY CONTACTS LOCATED IN THE ATS) TO THE BUILDING ATC SYSTEM.
   * ATS B WILL AUTOMATICALLY SWITCH BACK TO NORMAL UTILITY POWER.
   * ATS B WILL SEND A POST TRANSFER SIGNAL (VIA DRY CONTACTS LOCATED IN THE ATS) TO THE BUILDING ATC SYSTEM).
   * THE GENERATOR WILL CONTINUE TO RUN IN COOL DOWN MODE FOR A TIME AS RECOMMENDED BY THE GENERATOR MANUFACTURER AND THEN WILL AUTOMATICALLY SHUT DOWN.

   NOTE: SEQUENCE 5, 6, AND 7 IS ALREADY IN PLACE FOR ATS 5.
8. SIMULTANEOUS LOSS OF NORMAL UTILITY POWER AT ATS 5 AND ATS B SHALL RESULT IN THE CONCURRENT SEQUENCE OF EVENTS FOR THE TWO ATS'S OUTLINED ABOVE.

PANEL UPSM4-B	PANEL EPM1	
PANEL EPM2		

APRIL 10, 2025

JMT | ARCHITECTURE
JOHNSON MIRMIRAN & THOMPSON, INC
40 WIGHT AVENUE
HUNT VALLEY, MARYLAND, 21030
TEL (410) 372-4617 WWW.JMTARCHITECTURE.COM

bkm
Burdette, Koehler, Murphy & Associates, Inc.
Mechanical / Electrical Engineers
6300 Blair Hill Lane, Suite 400
Baltimore, Maryland 21209
P: 410.323.0600
www.bkma.com

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. 30474, EXPIRATION DATE 01/23/2027
ENGINEER: DAVID WETZEL
Burdette, koehler, Murphy & Assoc. Inc.
AS-BUILT PER RECORD PRINT
BY:
DATE:
DATE : APRIL 10, 2025
DGN BY DMW
DWN BY DCW
CHKD BY DMW

AS-BUILT / REVISION | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SHT
R.O.W NO. | NNW | 38 NE 2
CONTRACT COMPLETION BOX

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

DRAWING SCALE
PLAN SCALE:
PROFILE SCALE:

PROPERTY MANAGEMENT
APPROVED BY: DIRECTOR
DATE:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE – PROPERTY MANAGEMENT
911 CENTER – CIRCUIT COURTS BUILDING TOWSON
UPS REPLACEMENT
ELECTRICAL PANEL SCHEDULES
401 BOSLEY, TOWSON MARYLAND 21204
SUBDIVISION: TOWSON ELECT. DISTRICT NO. 9c6

SHEET DESIGNATION	CONTRACT NO.
E9.04	25030-P00
JOB ORDER NO.	906388
SHEET 60 OF 60	
DRAWING NO.	2025-1419
FILE NO. 8	REV.

BKM# 23102.01

DWG FILENAME: 001A107

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Plotted By: Denise Wilson | 4/10/2025 6:58 AM