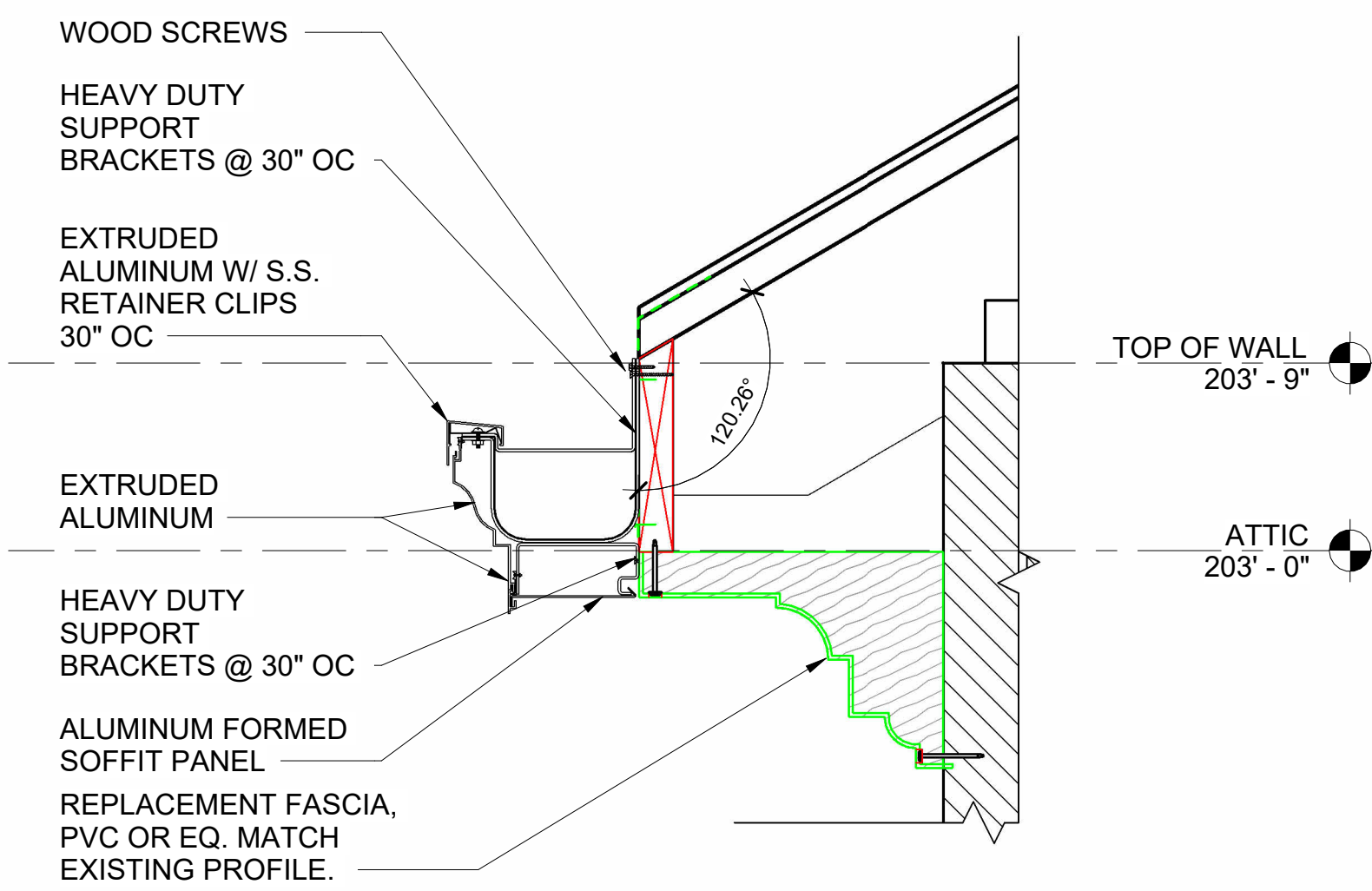




1 GUTTER AND FASCIA DETAIL

AE404 SCALE: 1 1/2" = 1'-0"

REPLACEMENT TRIM BOARD, PVC OR EQ., TO MATCH EXISTING PROFILE

2 TRIM BOARD DETAIL

AE404 SCALE: 1 1/2" = 1'-0"

ENTRY SYSTEM
CONST. ADHESIVE / CAULK PER MFG. INSTRUCTIONS
L-BRACKETS (6" OC) SECURED AT COLUMN SHAFT WALL AND BEAM/SOFFIT PER MFG. INSTRUCTIONS
CAPITAL
BACKER ROPE
FIBERGLASS COLUMN, TO MATCH EXISTING

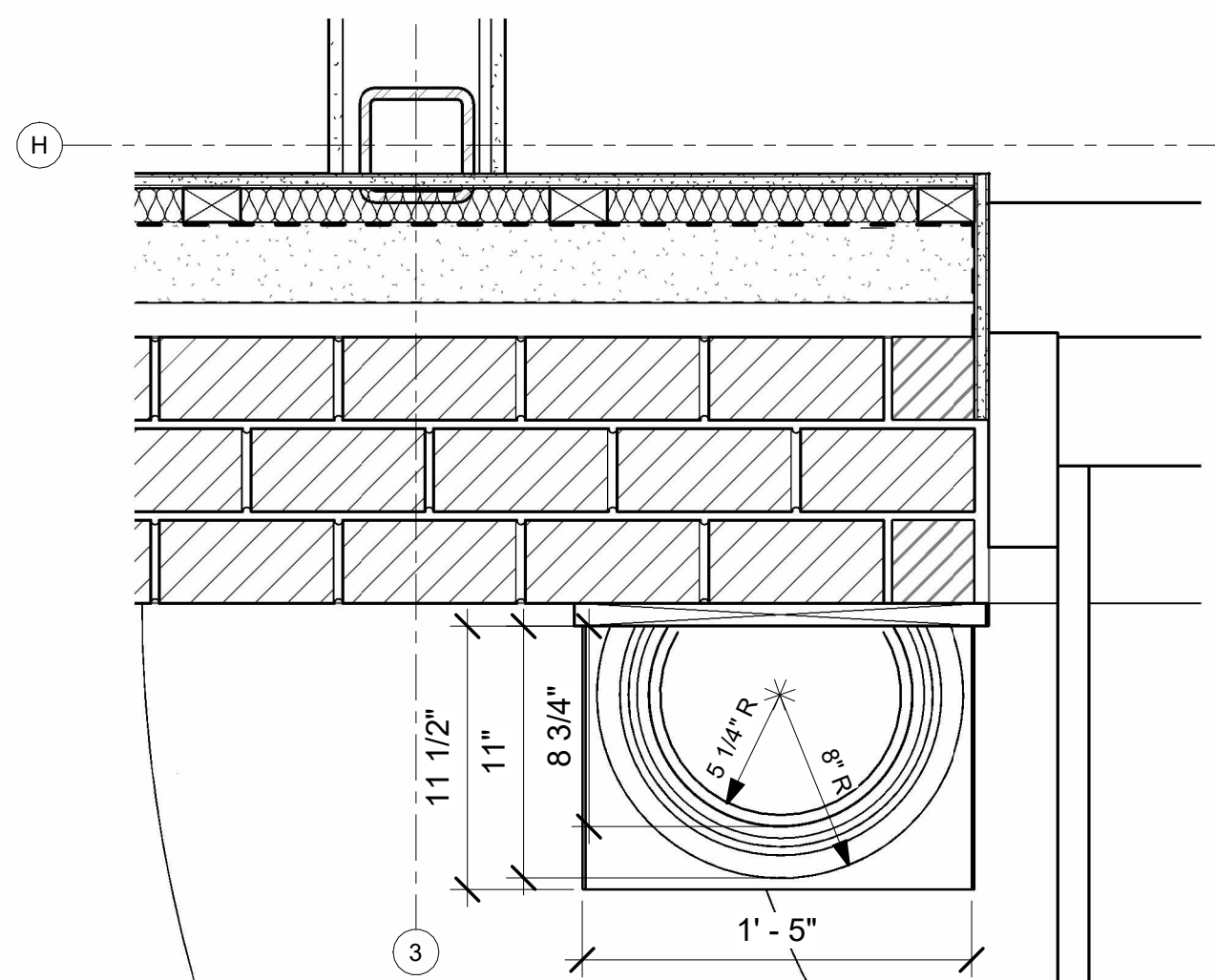
3 DETAIL AT COLUMN CAP

AE404 SCALE: 1 1/2" = 1'-0"

FIBERGLASS COLUMN, TO MATCH EXISTING
WOOD DOOR
COLUMN SHAFT WALL
BACKER ROPE
BASE/PLINTH
L-BRACKETS (6" OC) SECURED AT COLUMN SHAFT WALL AND COLUMN BASE ACCORDING TO MFG. INSTRUCTIONS
CONST. ADHESIVE / CAULK PER MFG. INSTRUCTIONS
GRANITE STOOP

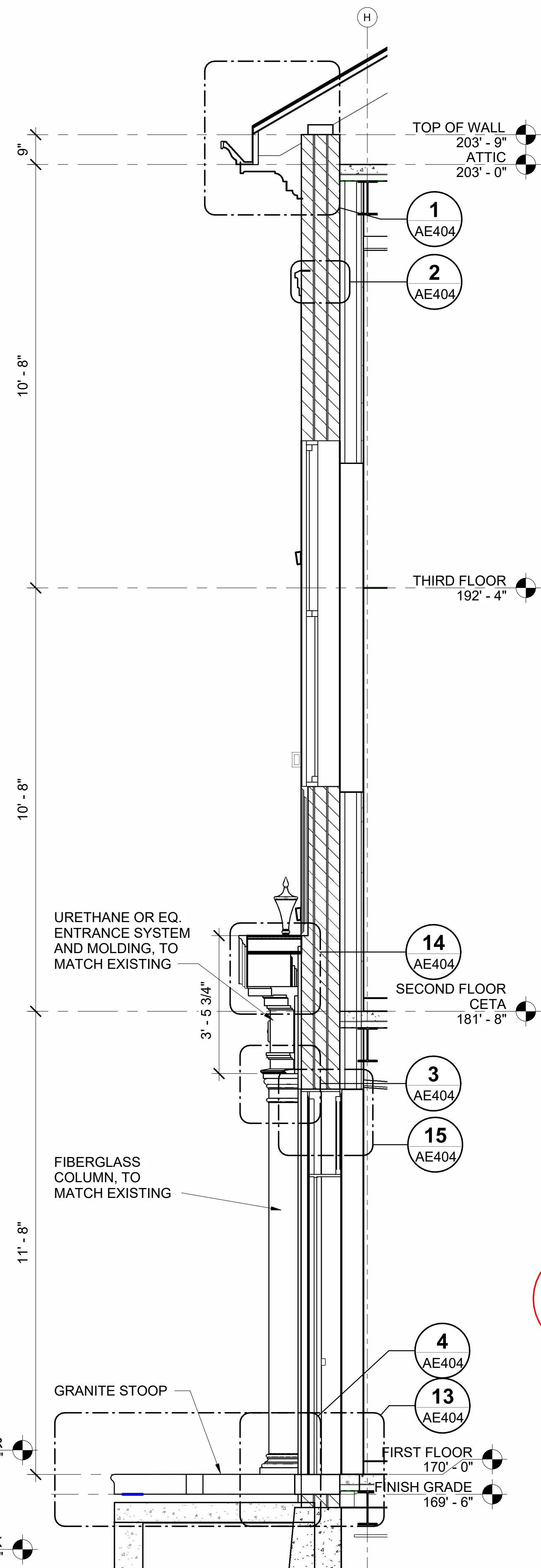
4 DETAIL AT COLUMN BASE

AE404 SCALE: 1 1/2" = 1'-0"



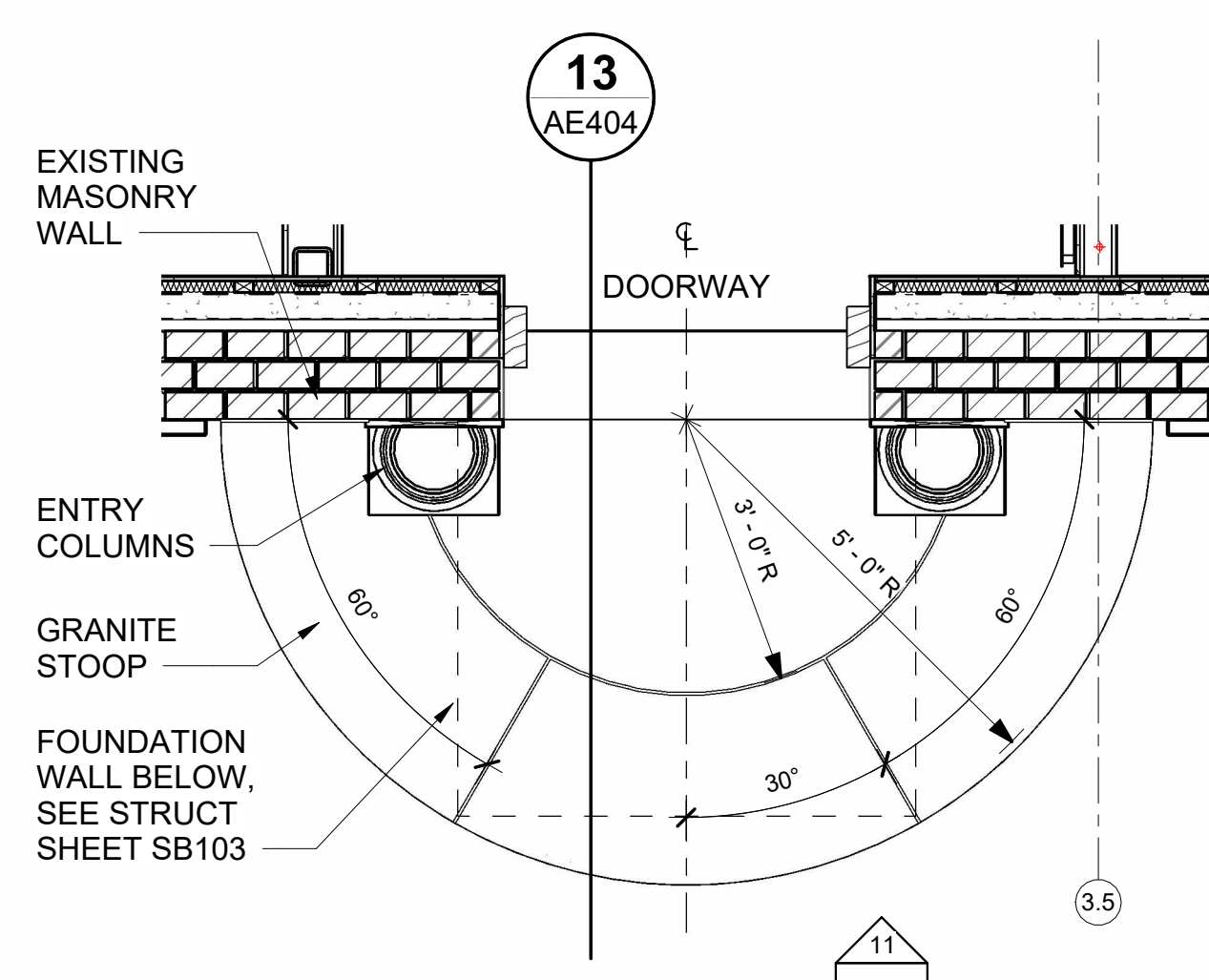
9 COLUMN PLAN

AE404 SCALE: 1 1/2" = 1'-0"



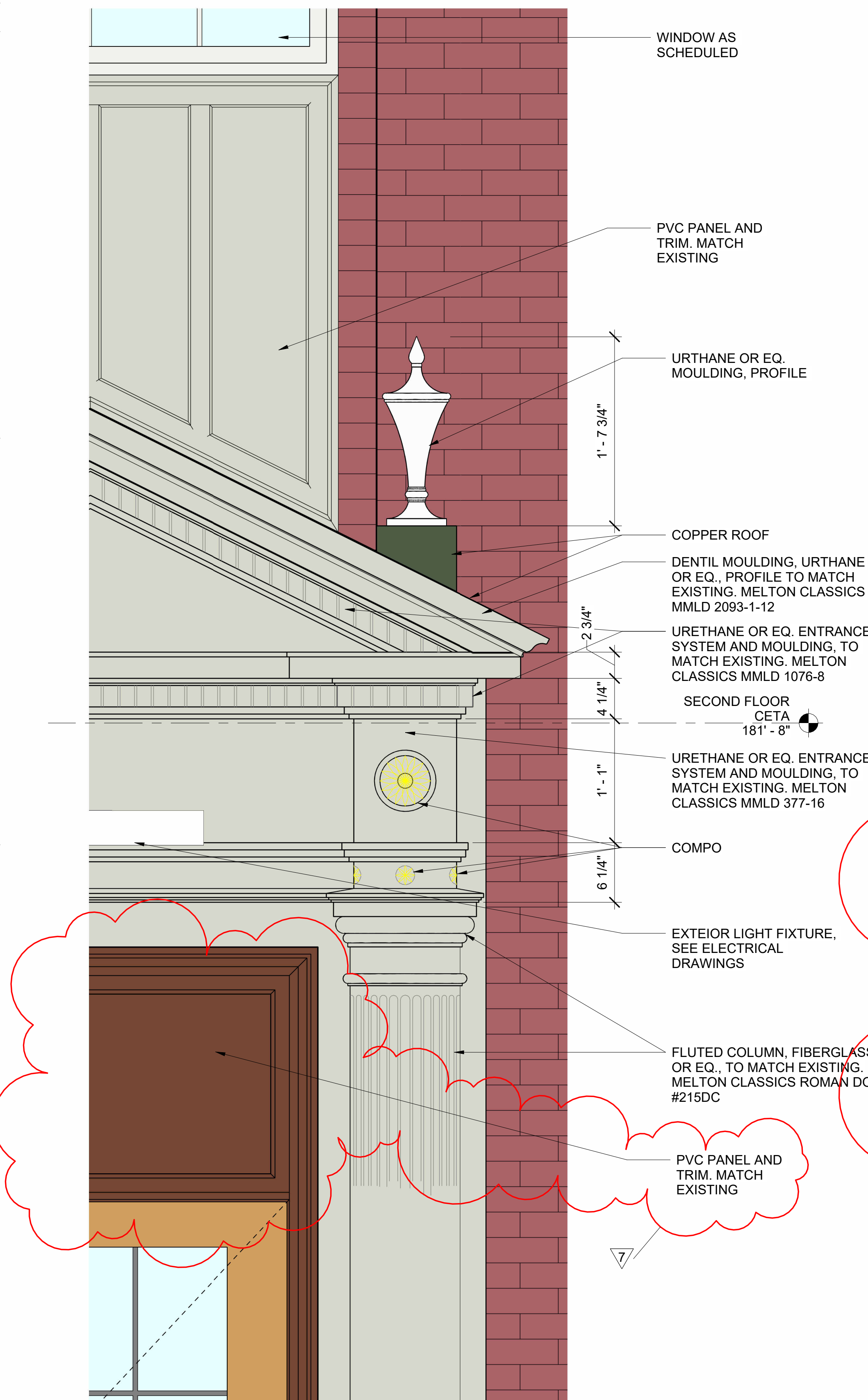
5 SECTION AT DOOR

AE404 SCALE: 1/2" = 1'-0"



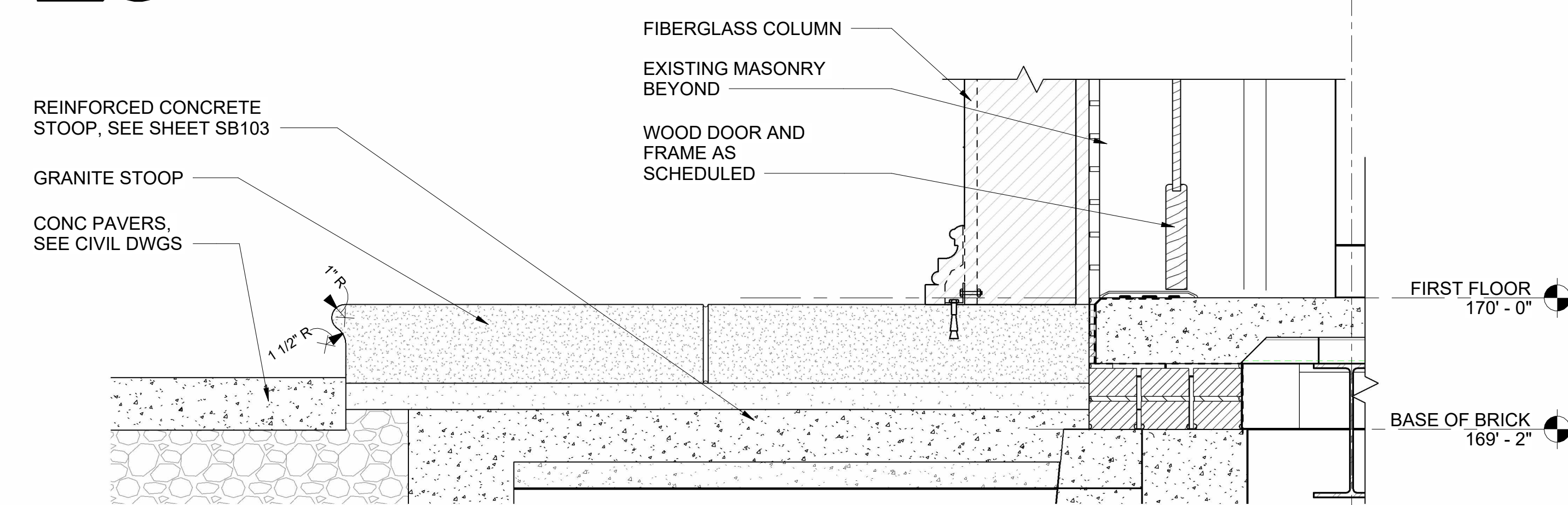
12 EXTERIOR STEP PLAN

AE101 AE404 SCALE: 1/2" = 1'-0"



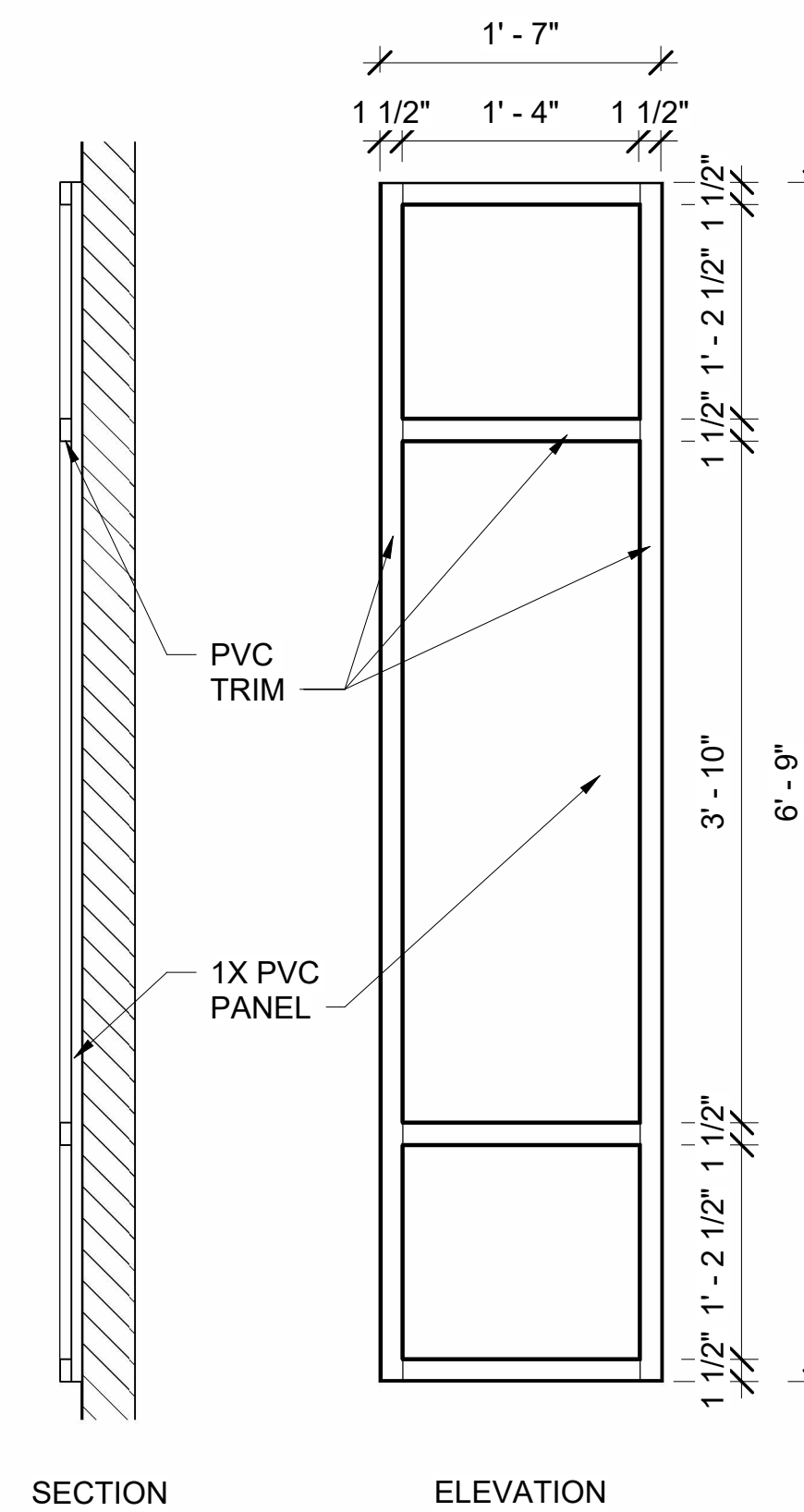
6 PORTICO ELEVATION - TRIM DETAIL

AE404 SCALE: 1 1/2" = 1'-0"



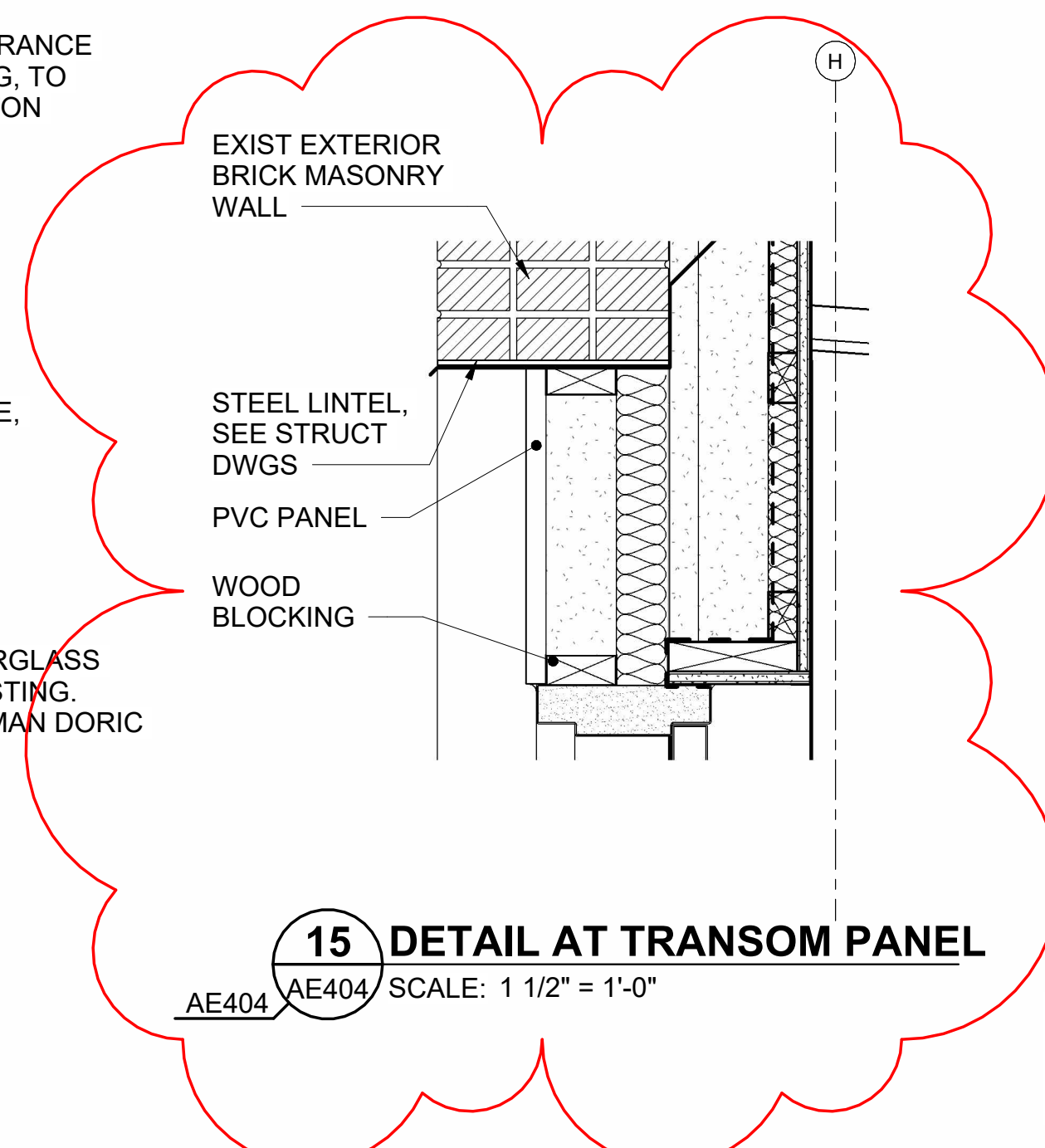
13 EXTERIOR STEP DETAIL

AE404 SCALE: 1 1/2" = 1'-0"



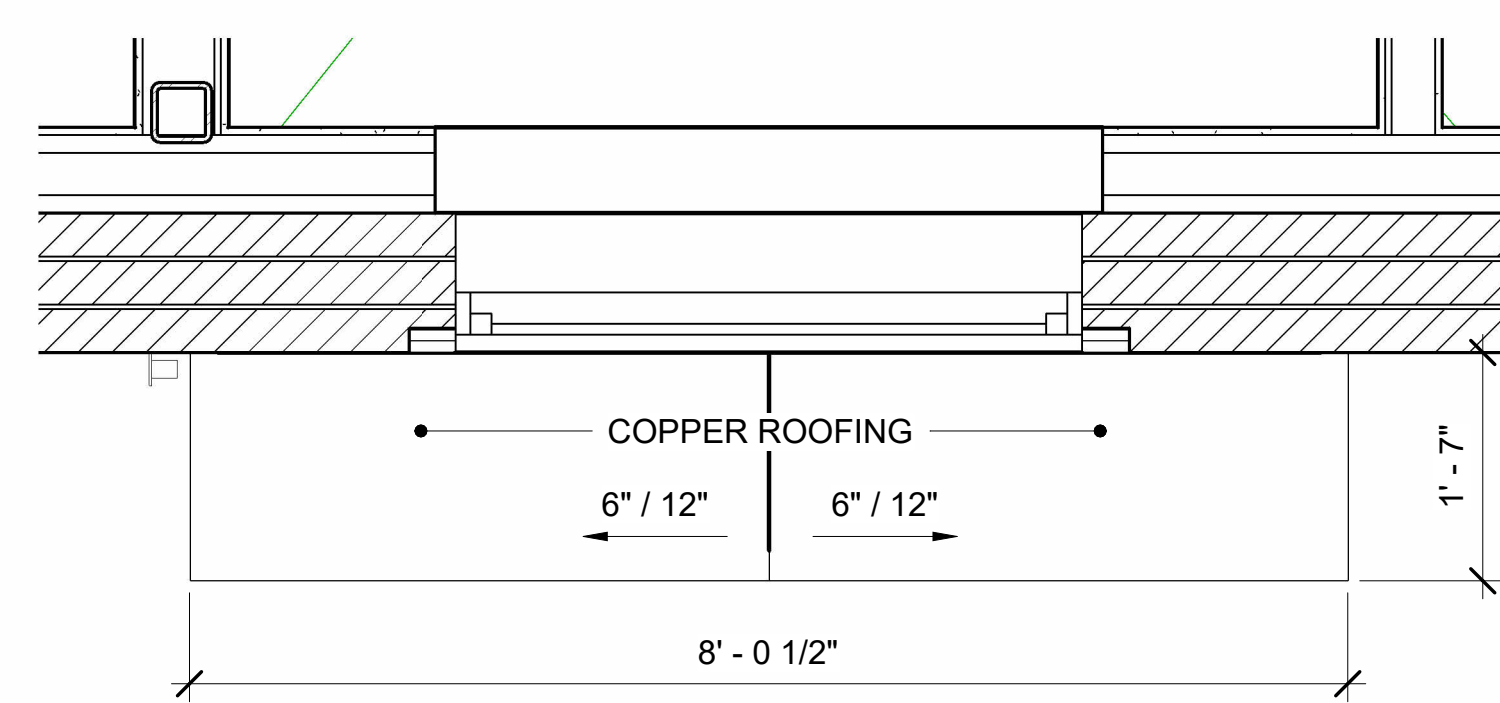
8 WINDOW SHUTTER DETAIL

AE404 SCALE: 1" = 1'-0"



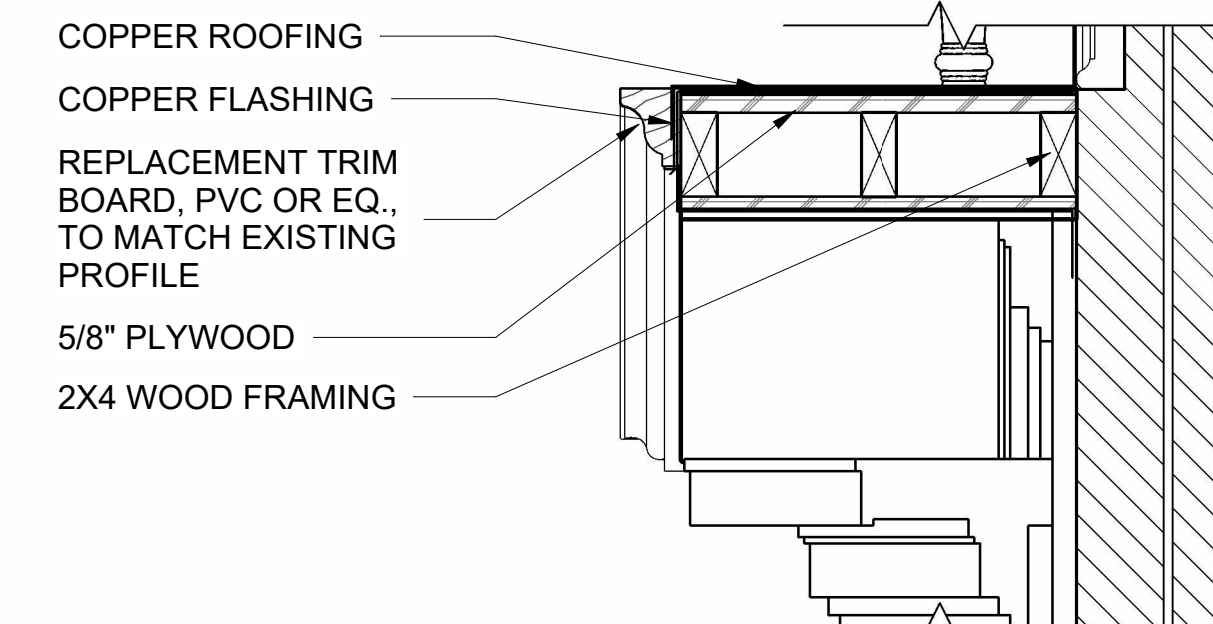
15 DETAIL AT TRANSOM PANEL

AE404 SCALE: 1 1/2" = 1'-0"



7 PORTICO ROOF PLAN

AE202 AE404 SCALE: 3/4" = 1'-0"



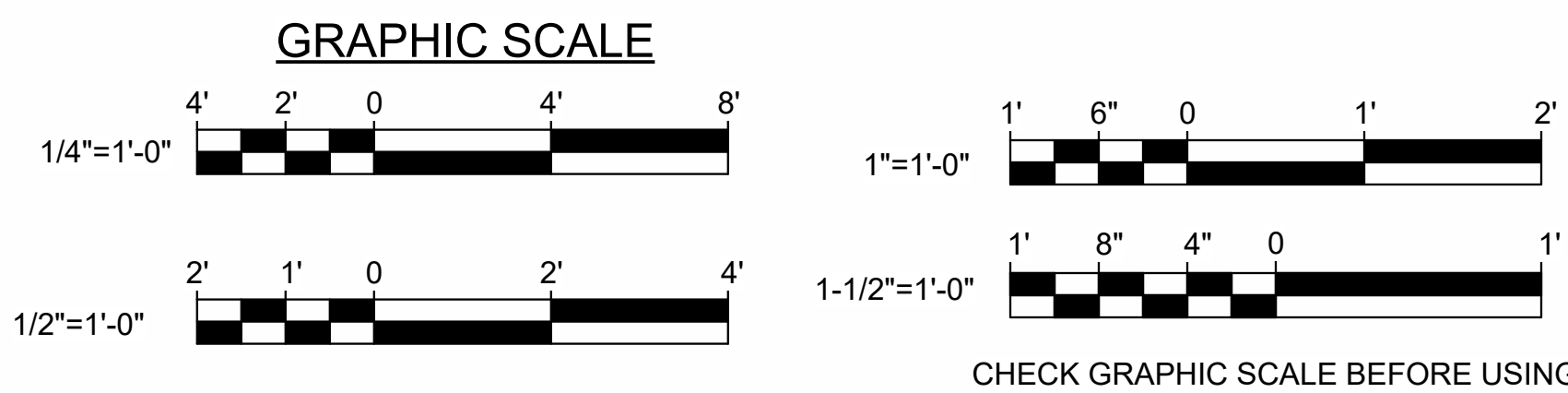
14 DETAIL AT COLUMN CAP

AE404 SCALE: 1 1/2" = 1'-0"

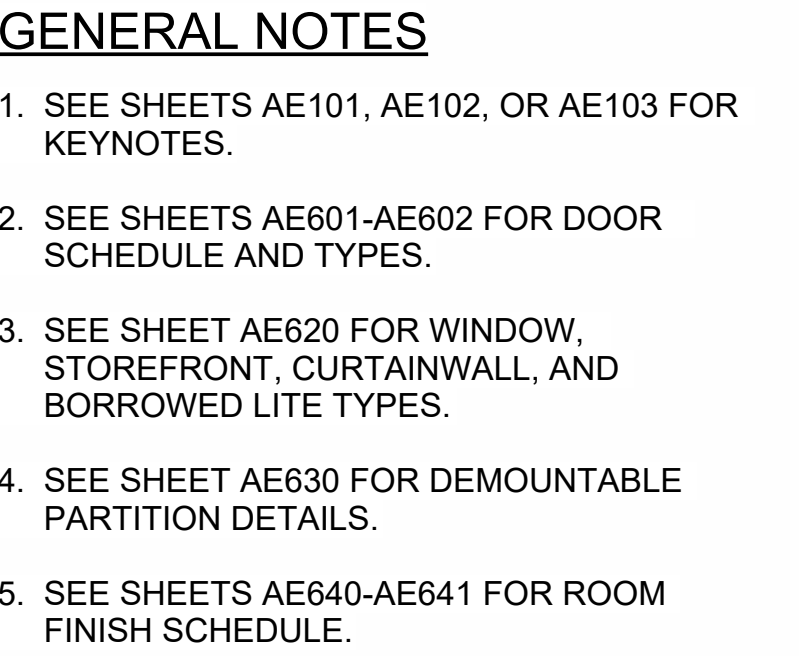


11 PORTICO ELEVATION

AE102 AE404 SCALE: 1/4" = 1'-0"



						DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
				DRAWN BY: MJD		NEW OFFICE HEADQUARTERS	
				CHECK BY: CET		AUGUSTA, ME	
				DATE: 01/29/2025		TITLE THIS DWG: CETA FACADE RESTORATION ELEVATIONS AND DETAILS	
				NO. 7		OAK POINT ASSOCIATES	
				DESCRIPTION		DRAWING NO. AE404	
						SHEET NO. 121 OF 239	
						ARCHITECTURE • ENGINEERING • PLANNING	
						231 Main Street, Biddeford, Maine 04005	



Architectural section drawing of a building facade. The drawing shows a series of windows and doors. Key features include:

- Labels: GYP BD PNT, RB, 9'-0" +/-, 4'-0", 27, 133, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, E05, E06.
- Dimensions: 9'-0" +/-, 4'-0", 9'-0".
- Materials: GYP BD PNT, RB.
- Window types: Single windows, double windows, and a large window with a transom.
- Door types: Single doors and a double door.

GYP BD PNT

9'-0"

Figure 1: Elevation view of the GYP BD PNT. The diagram shows a rectangular structure with a height dimension of 9'-0" and a width dimension of 9'-9". A label "GYP BD PNT" points to the top edge of the structure.

Technical drawing of the 'L' shaped window frame. The drawing shows the profile of the frame with dimensions. The vertical section on the left is labeled '9'-0"'. The horizontal section on the right is labeled '9'-0"'. A callout box with the number '138' points to a specific component of the frame.

Diagram illustrating the dimensions and components of a GYP BD PNT (Gypsum Board Panel). The panel is shown with a width of 9' - 0" and a height of 9' - 6". A central rectangular opening is labeled '9'. The panel is labeled 'GYP BD PNT' and 'RB' (Reinforced Board).

GYP BD PNT

9' - 0"

E05

Floor plan of the GYP BD PNT room. The room is rectangular and contains a desk with a chair on the left side, a door on the right side, and two windows. The room is labeled "GYP BD PNT" and has a dimension of 9' - 4 3/4".

Diagram illustrating a storage unit configuration. The unit is shown with a height dimension of 13' - 10". The unit is labeled "STORAGE" at the bottom. The unit is divided into two main sections: a top section with a brick pattern and a bottom section with a solid grey pattern. The top section contains a red line and a blue line, and the bottom section contains a yellow line. The unit is shown with a door on the right side.

Diagram illustrating a storage unit layout. The unit is labeled with dimensions 13' x 10'. The unit is divided into two main sections: a top section with a yellow background and a bottom section with a white brick pattern. The bottom section contains a grid of storage units, with a label 'STORAGE' pointing to one of the units. A purple line indicates a path or boundary within the unit.

Diagram showing the installation of a storage unit against a wall. The unit is 13' - 10" high. The wall is made of brick. The unit is labeled "STORAGE".

A diagram of a storage unit. On the left, a vertical dimension line indicates a height of 13' - 10". The unit is shown in cross-section, revealing a brick interior wall. A horizontal track system is mounted on the wall, with a red cable and a blue cable visible. A purple object is hanging from the track. Below the track, there are four large, grey, rectangular storage bins. An arrow points to one of these bins with the label "STORAGE". To the right of the bins, there is a small, brown, rectangular object, possibly a door or a handle.

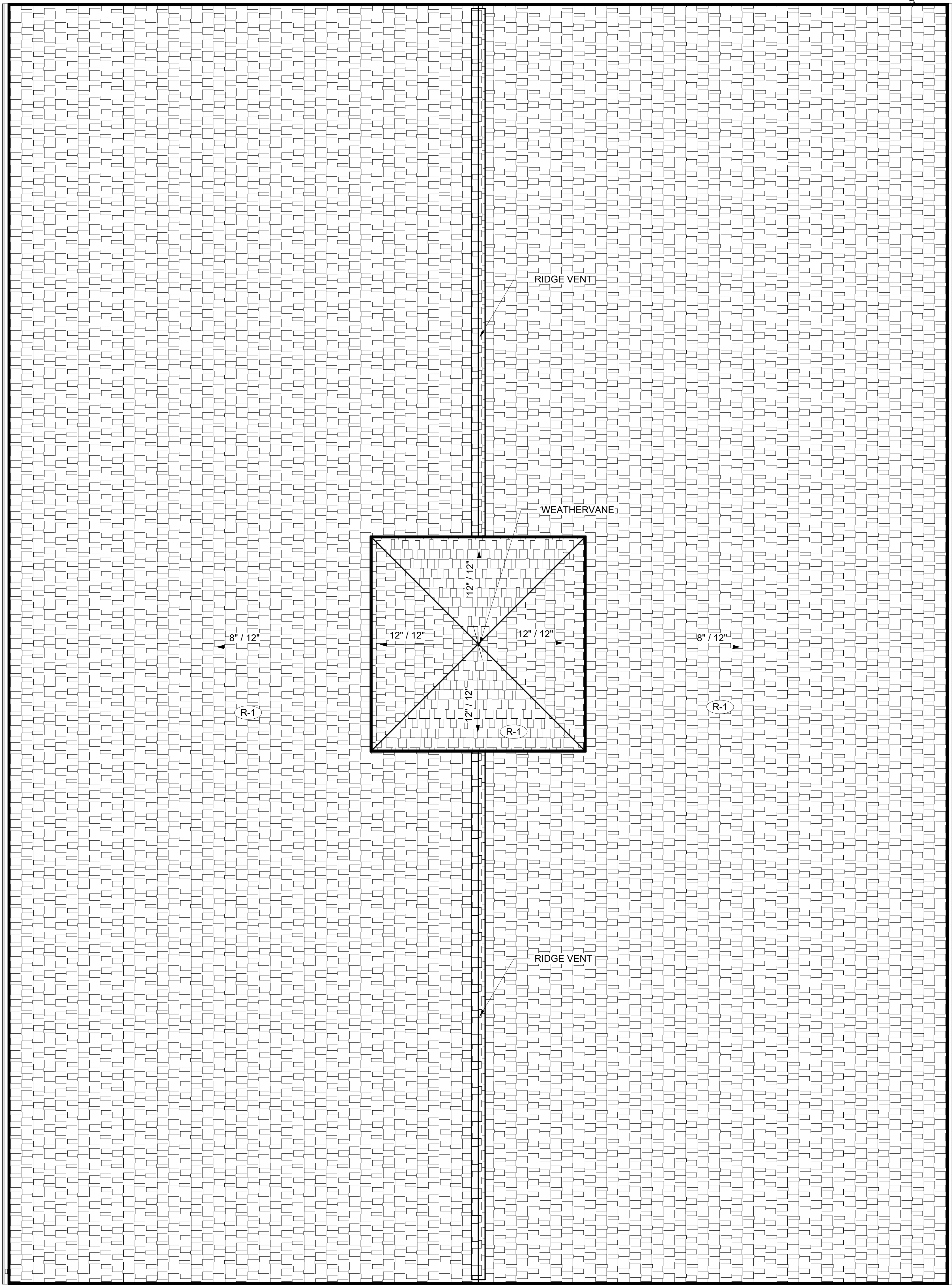
GRAPHIC SCALE

4' 2' 0 4' 8'

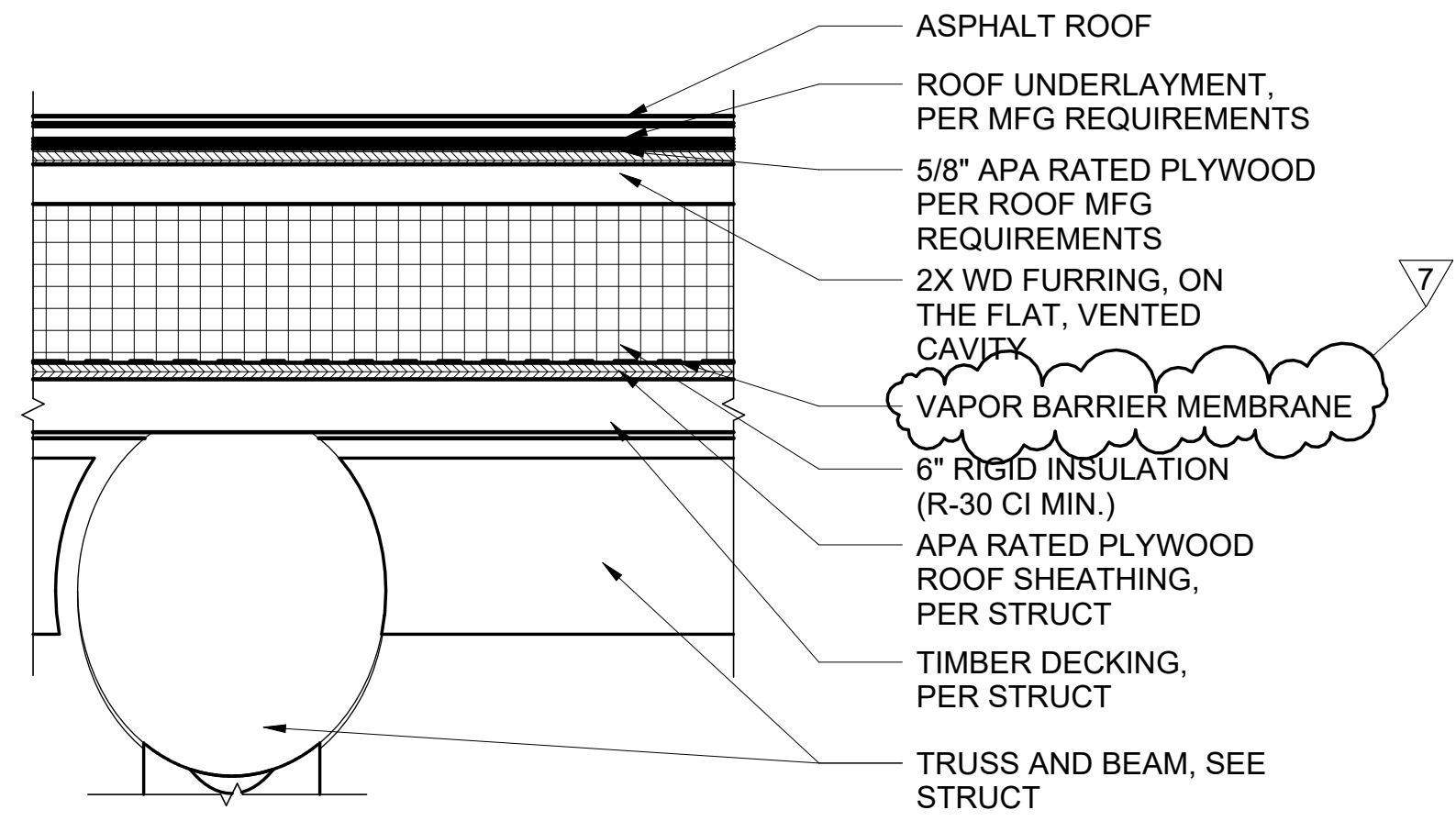
1/4" = 1'-0"

CHECK GRAPHIC SCALE BEFORE USING

[illegible]

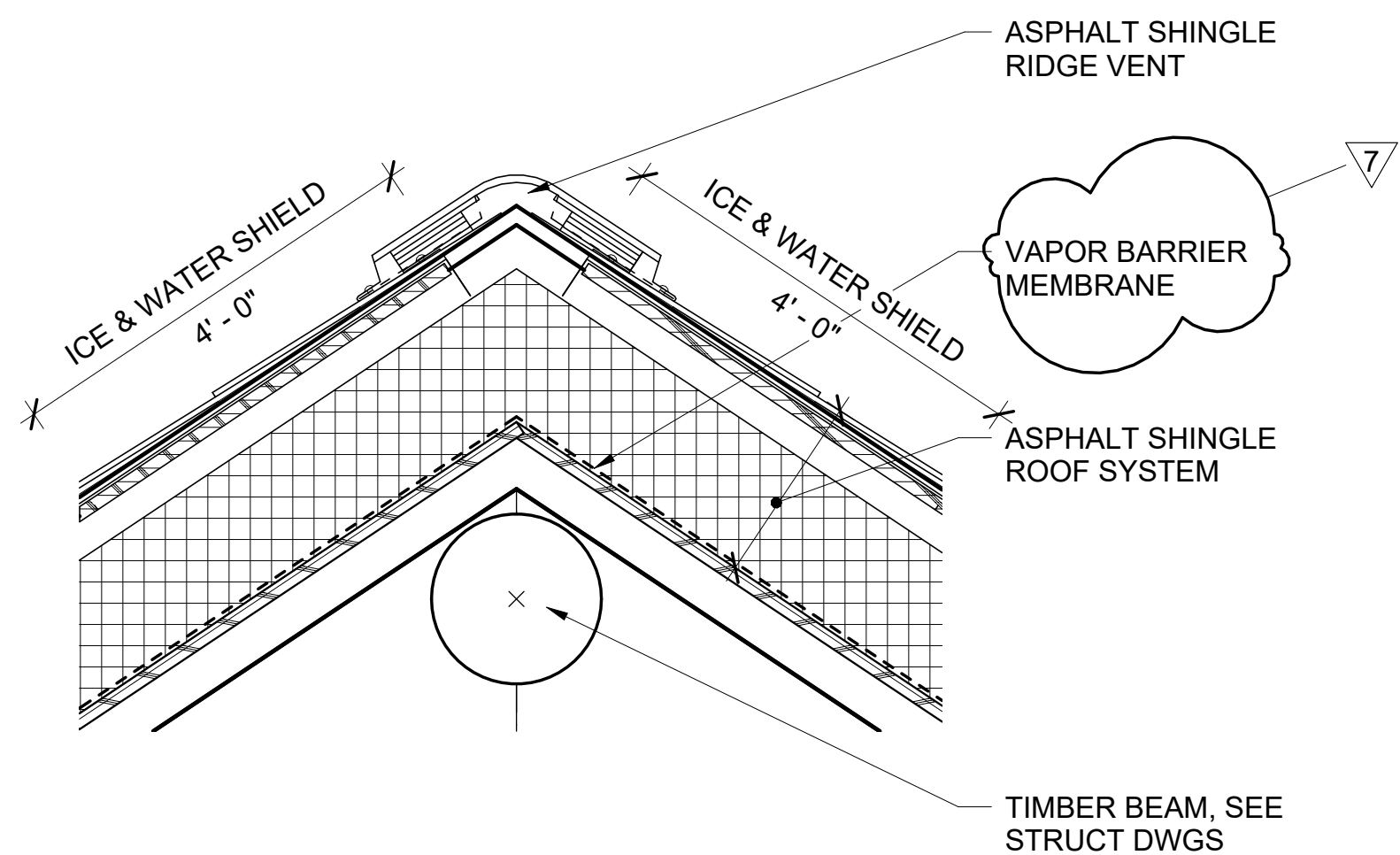


1 ROOF PLAN
AE120/ SCALE: 1/4" = 1'-0"



2 TYPICAL ROOF TYPE (R1)

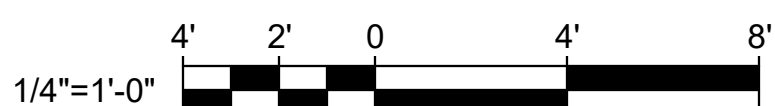
AE301 AE120/ SCALE: 1 1/2\"/>



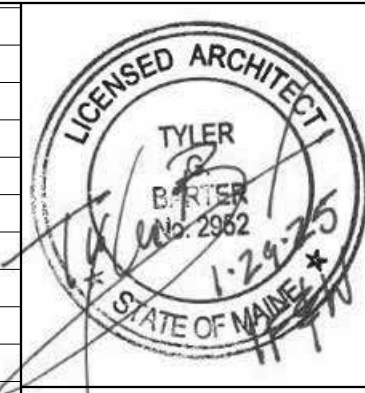
3 RIDGE VENT DETAIL

AE220 AE120/ SCALE: 1 1/2\"/>

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING



DEPARTMENT OF INLAND
FISHERIES & WILDLIFE

TITLE STORAGE BARN
LOCATION AUGUSTA, ME

TITLE THIS DWG.
ROOF PLAN AND DETAILS

OAK POINT
ASSOCIATES

DRAWING NO.
AE120

SHEET NO.

NO.	DATE	DESCRIPTION	BY
7	03/20/2025	ADDENDUM NO.7	HMG
REVISIONS			

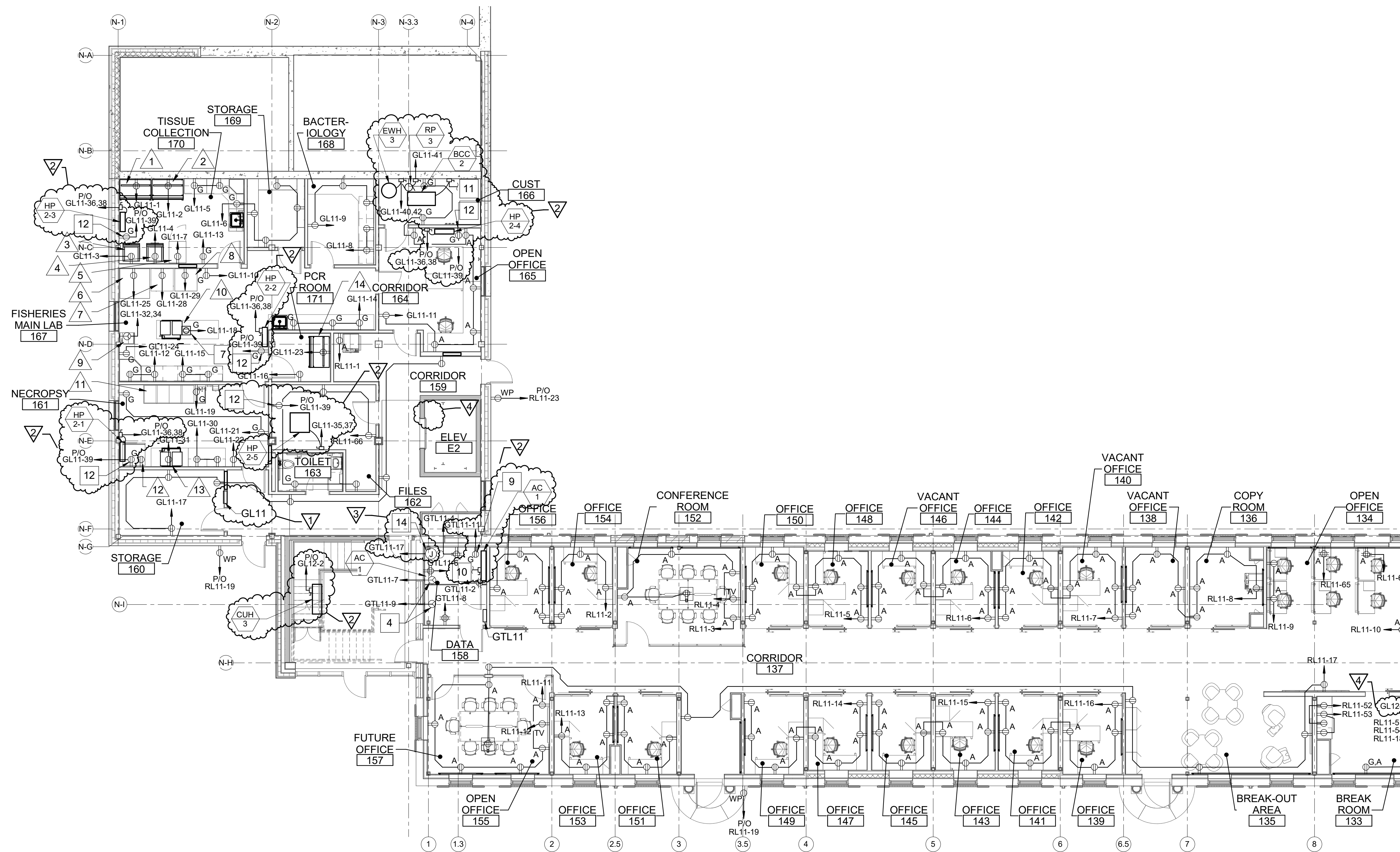
DRAWN BY:	MJD
CHECK BY:	CET
DATE	01/29/2025

DRAWING NOTES

1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.

DRAWING KEYNOTES

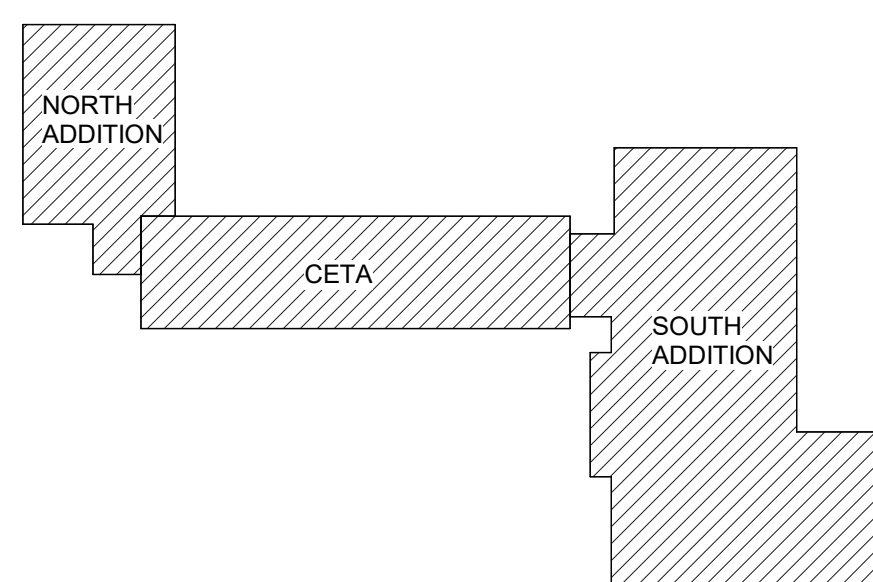
1. PROVIDE JUNCTION BOX FOR WHIP TO POWER CUBICLE FURNITURE.
2. 120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER/24V POWER SUPPLY.
3. 120V POWER FOR AUTOMATIC VALVES AND AUTOMATIC POWER DISPENSERS. FIELD COORDINATE FINAL LOCATION.
4. PROVIDE L5-30 TWIST LOCK RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
5. PROVIDE POWER TO RECEPTACLES THAT ARE BUILT IN THE MILLWORK.
6. RECEPTACLES IN THE MILLWORK. FIELD COORDINATE FINAL LOCATIONS.
7. PROVIDE RAISED FLOOR RECEPTACLE WITH WASH DOWN PROOF COVER.
8. AC UNIT FED FROM CU UNIT.
9. FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
10. AC UNIT FED FROM CU UNIT ON ROOF. REFER TO DRAWING EP103 FOR LOCATION OF CU-1.
11. BCC-2 POWERED FROM HPCU-2 LOCATED IN BASEMENT. REFER TO 1/EP104 FOR LOCATION OF HPCU-2.
12. FOR HP UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
13. PROVIDE CIRCUIT FOR SKYWALL ROOM DIVIDER. COORDINATE LOCATION AND REQUIREMENTS WITH MANUFACTURER. PROVIDE LOW VOLTAGE CONNECTION TO AV SYSTEM FOR CONTROL AND INTEGRATION.
14. PROVIDE CIRCUIT FOR ACCESS CONTROL EQUIPMENT.



1 FIRST FLOOR POWER PLAN
EP101 SCALE: 1/8" = 1'-0"

Electrical Rough-In Schedule

Item #	Description	Volts	Phase	HP	Watts	FL Amps	Connection Type	Plug Type	Rough-In Height	Remarks
1	TISSUE COLLECTION HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
2	TISSUE COLLECTION HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
3	LOW TEMPERATURE INCUBATOR	120	1	-	-	2.5	RECEPTACLE	5-20	-	
4	LOW TEMPERATURE INCUBATOR	120	1	-	-	2.5	RECEPTACLE	5-20	-	
5	REFRIGERATOR	120	1	-	-	12	RECEPTACLE	5-20	-	
6	CHEMICAL EXHAUST HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
7	ULTRA LOW FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
8	FRIDGE/FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
9	AUTOClave	120	1	-	9.3KW	40	RECEPTACLE	6-50	-	3#6, #10G, 3/4" C
10	TABLE TOP HOOD	120	1	-	-	6	RECEPTACLE	5-20	-	
11	NECROPSY TABLE	120	1	-	-	6	RECEPTACLE	5-20	-	
12	FISH FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
13	TABLE TOP HOOD	120	1	-	-	6	RECEPTACLE	5-20	-	
14	EXHAUST HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	



KEYPLAN
NOT TO SCALE

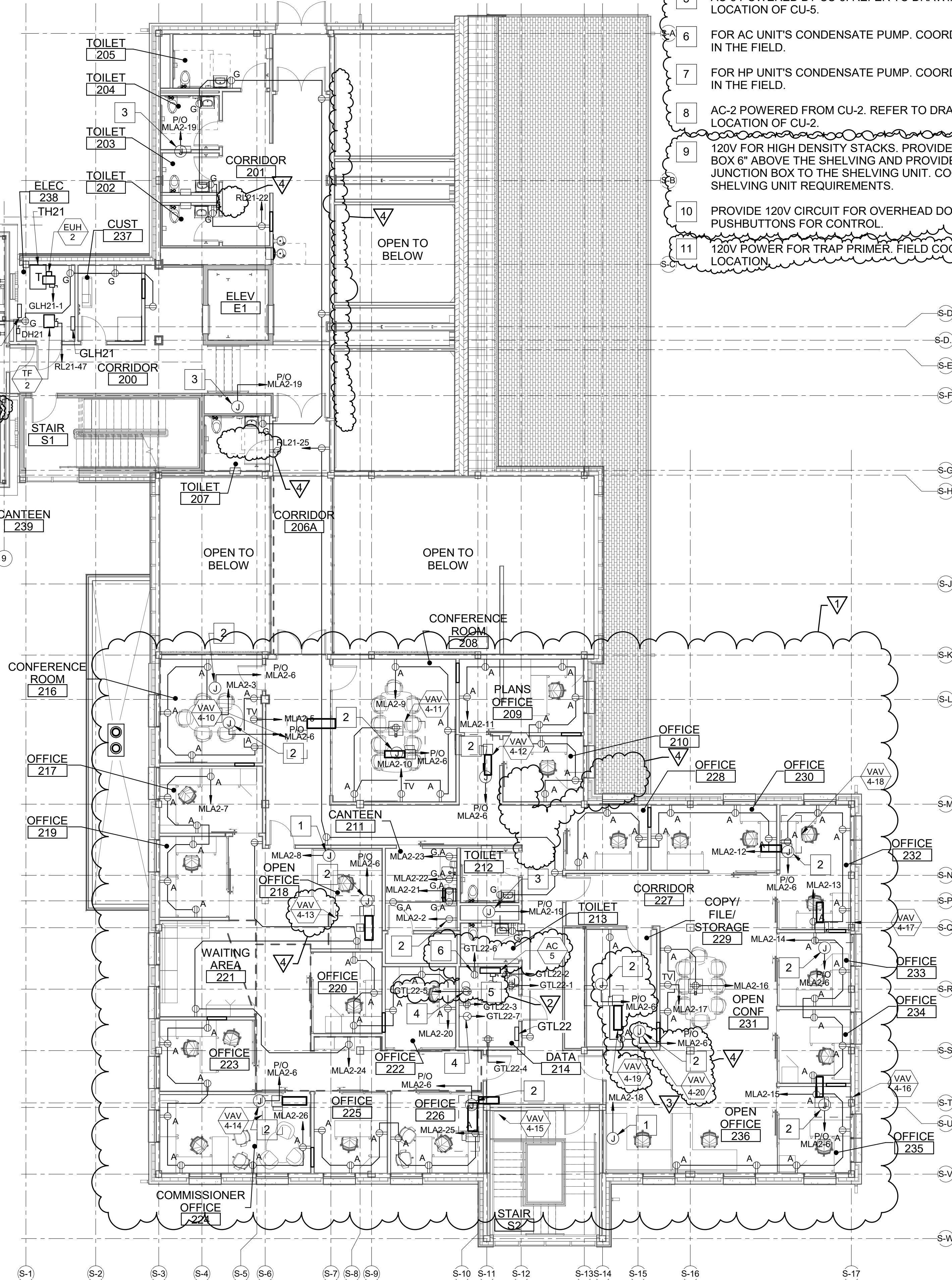
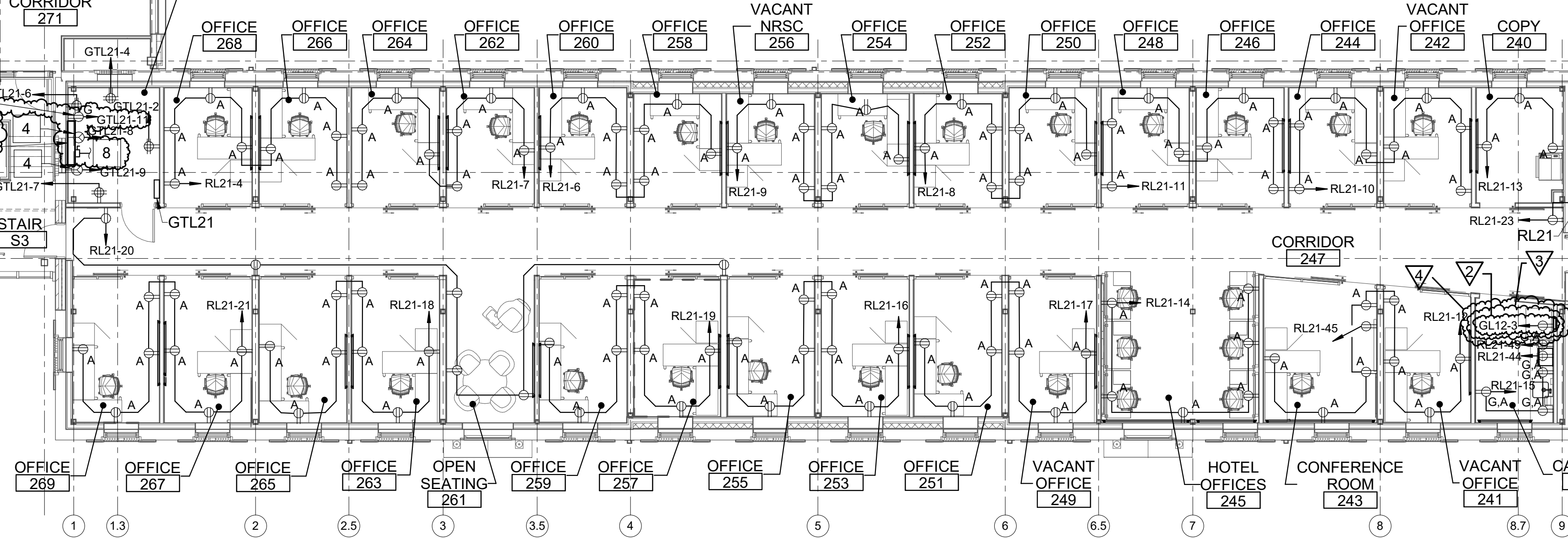
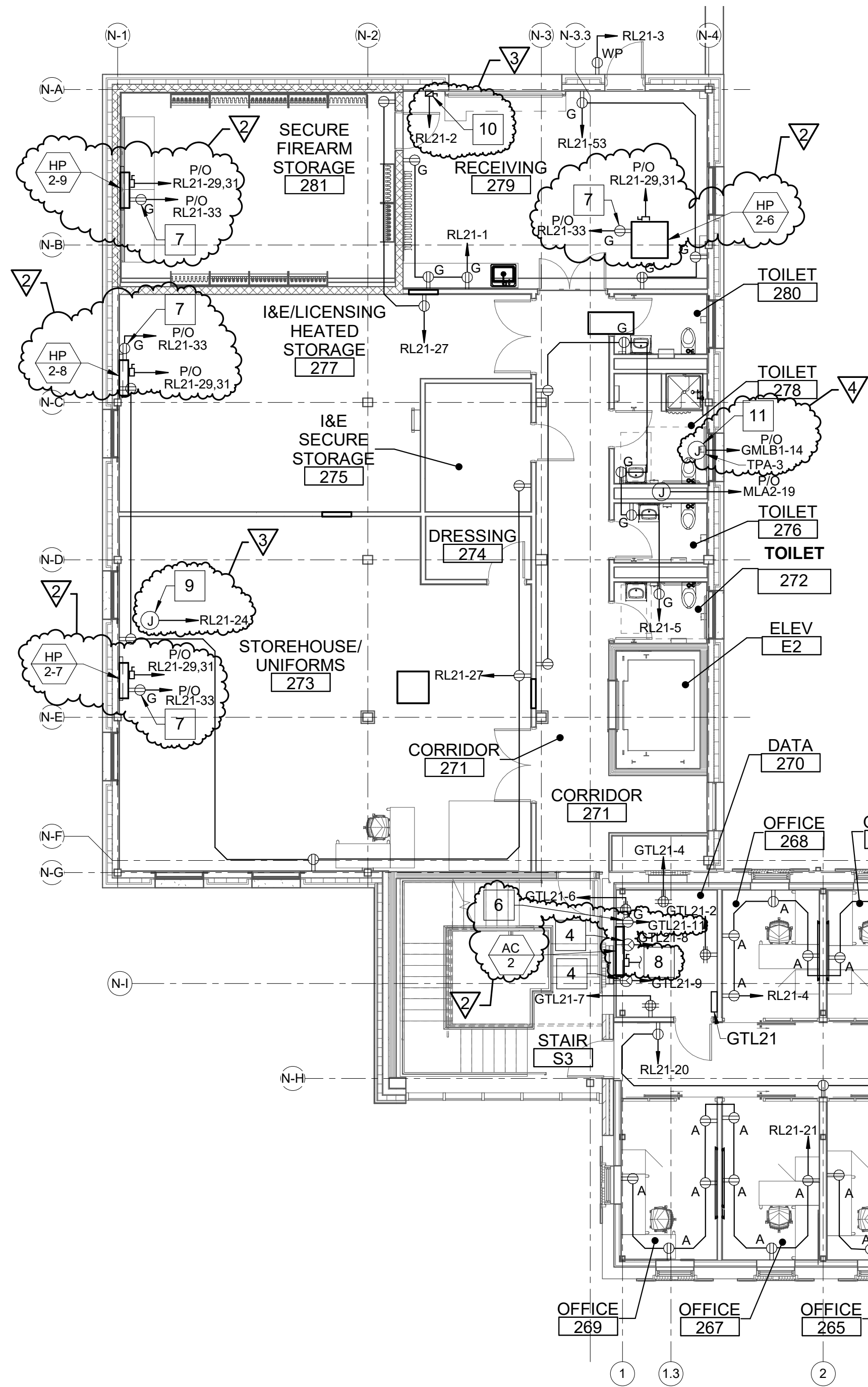


GRAPHIC SCALE

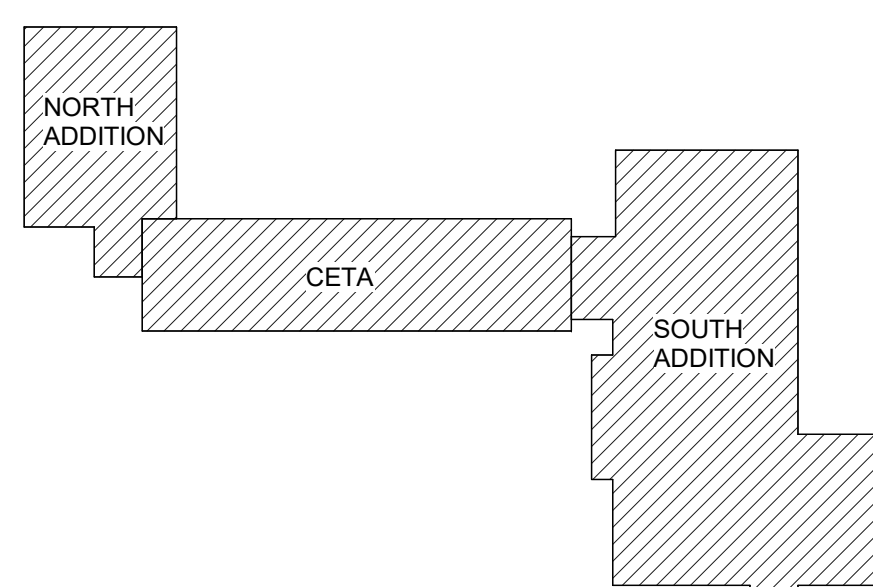
1/8"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

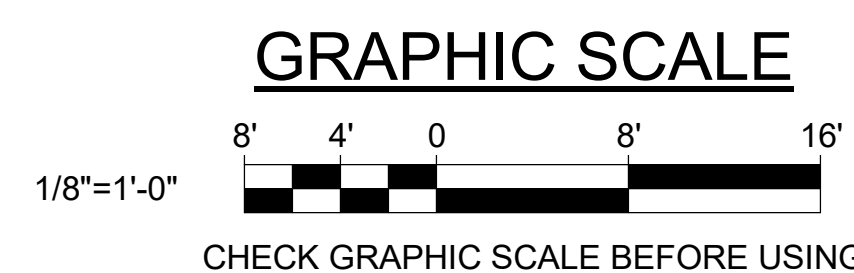
DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
TITLE NEW OFFICE HEADQUARTERS			
LOCATION AUGUSTA, ME			
TITLE THIS DWS FIRST FLOOR POWER PLAN			
OAK POINT ASSOCIATES			
DRAWING NO. EP101			
SHEET NO.			
DATE 01/29/2025			
DRAWN BY: RSW			
CHECK BY: DCL			
BY			
REVISIONS			
NO.	DATE	DESCRIPTION	BY
4	03/19/25	ADDENDUM NO.7	DCL
3	03/13/25	ADDENDUM NO.6	DCL
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL



1 SECOND FLOOR POWER PLAN
EP102 SCALE: 1/8" = 1'-0"



KEYPLAN
NOT TO SCALE
PLAN NORTH



- DRAWING NOTE**
1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
 2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.
- DRAWING KEYNOTES**
- 1 PROVIDE JUNCTION BOX FOR WHIP TO POWER CUBICLE FURNITURE.
 - 2 120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER 24V POWER SUPPLY.
 - 3 120 VOLT POWER FOR AUTOMATIC VALVES AND AUTOMATIC PAPER TOWEL DISPENSERS. FIELD COORDINATE FINAL LOCATION.
 - 4 PROVIDE L5-30 TWIST LOCK RECEPTACLES. COORDINATE LOCATION WITH BGS IT.
 - 5 AC-5 POWERED BY CU-5. REFER TO DRAWING EP101 FOR LOCATION OF CU-5.
 - 6 FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
 - 7 FOR HP UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
 - 8 AC-2 POWERED FROM CU-2. REFER TO DRAWING EP103 FOR LOCATION OF CU-2.
 - 9 120V FOR HIGH DENSITY STACKS. PROVIDE 4"x4" JUNCTION BOX 6" ABOVE THE SHELVING AND PROVIDE FMC FROM THE JUNCTION BOX TO THE SHELVING UNIT. COORDINATE WITH SHELVING UNIT REQUIREMENTS.
 - 10 PROVIDE 120V CIRCUIT FOR OVERHEAD DOOR. PROVIDE PUSHBUTTONS FOR CONTROL.
 - 11 120V POWER FOR TRAP PRIMER. FIELD COORDINATE FINAL LOCATION.

4 03/19/25 ADDENDUM NO.7 DCL			
3 03/13/25 ADDENDUM NO.6 DCL			
2 03/06/25 ADDENDUM NO.5 DCL			
1 02/28/25 ADDENDUM NO.3 MHL			
NO.	DATE	DESCRIPTION	BY
		REVISIONS	
		DATE	01/29/2025

DRAWN BY: RSW	
CHECK BY: DCL	
NO.	

DATE	
01/29/2025	

DRAWING NO.	
EP102	
SHEET NO.	
214 OF 239	

DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
TITLE NEW OFFICE HEADQUARTERS	
LOCATION AUGUSTA, ME	
TITLE THIS DWS SECOND FLOOR POWER PLAN	

DALE C. LINCOLN II	
No. 1049	
1/24/25	
LICENSED PROFESSIONAL ENGINEER	

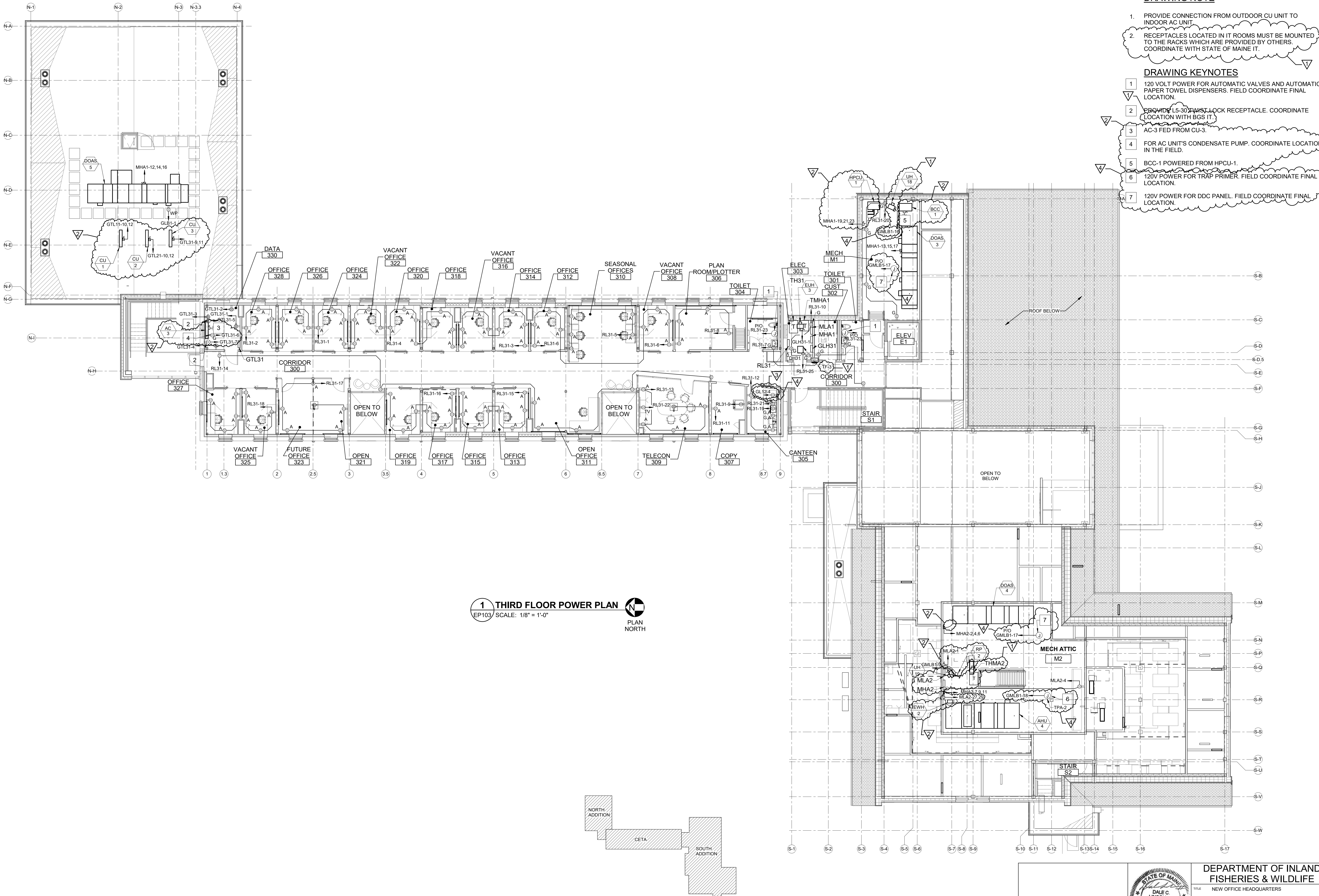
OAK POINT ASSOCIATES	
231 Main Street, Biddeford, Maine 04005	
207.283.9193	

DRAWING NOTE

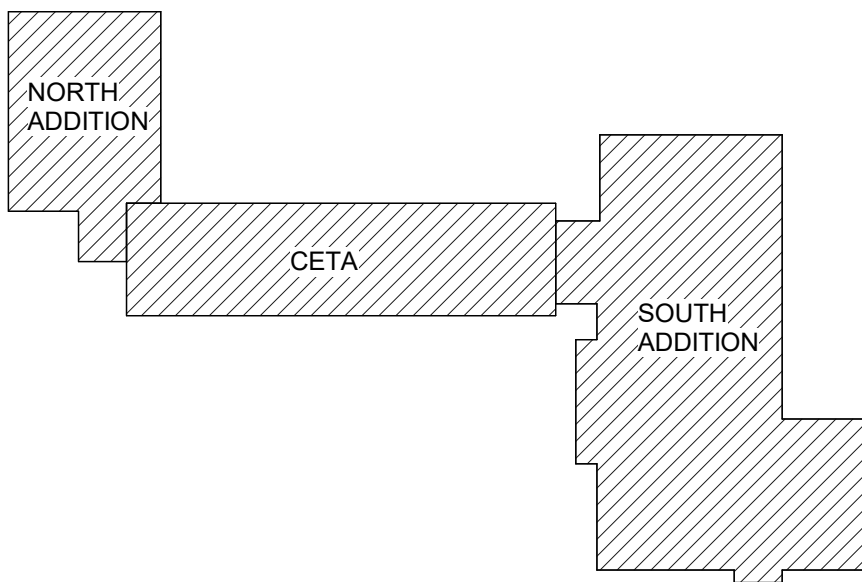
1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.

DRAWING KEYNOTES

- 1 120 VOLT POWER FOR AUTOMATIC VALVES AND AUTOMATIC PAPER TOWEL DISPENSERS. FIELD COORDINATE FINAL LOCATION.
- 2 PROVIDE L5-30 TWIST LOCK RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
- 3 AC-3 FED FROM CU-3.
- 4 FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
- 5 BCC-1 POWERED FROM HPCU-1.
- 6 120V POWER FOR TRAP PRIMER. FIELD COORDINATE FINAL LOCATION.
- 7 120V POWER FOR DDC PANEL. FIELD COORDINATE FINAL LOCATION.

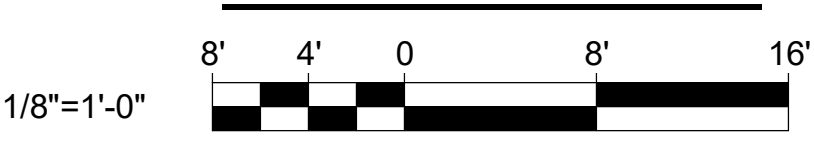


1 THIRD FLOOR POWER PLAN
EP103 SCALE: 1/8" = 1'-0"



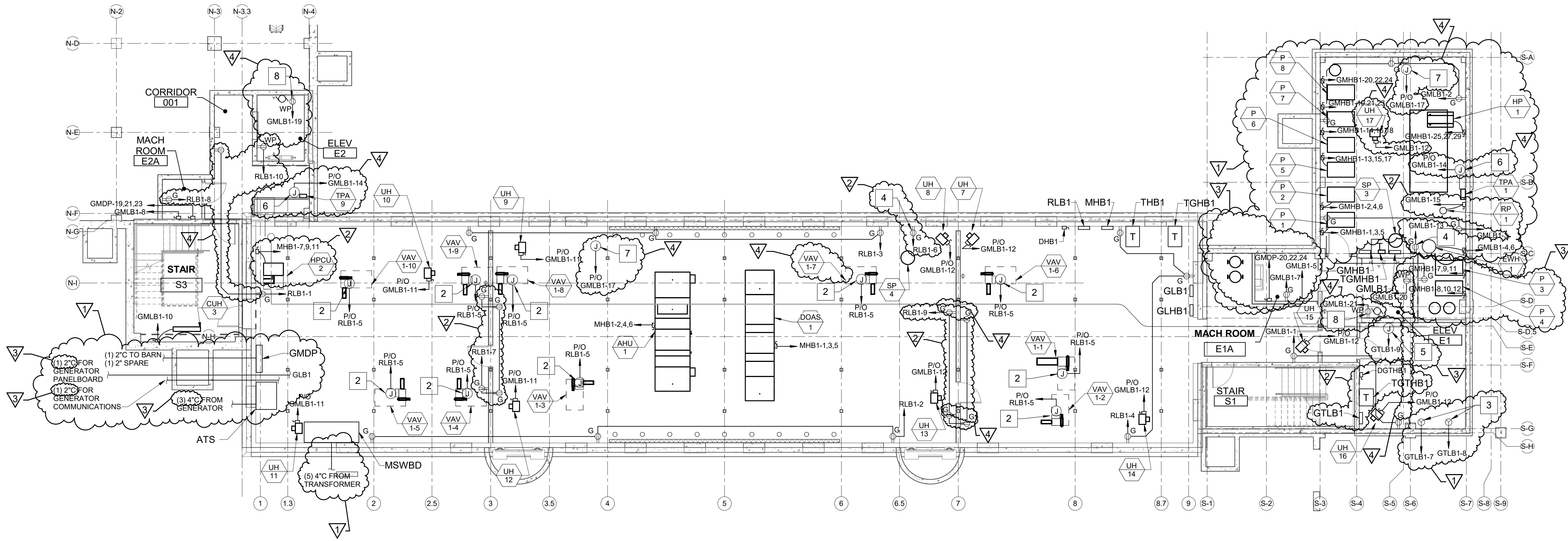
KEYPLAN
NOT TO SCALE

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

4 03/19/25 ADDENDUM NO.7 DCL			
3 03/13/25 ADDENDUM NO.6 DCL			
2 03/06/25 ADDENDUM NO.5 DCL			
1 02/28/25 ADDENDUM NO.3 MHL			
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DATE 01/29/2025			
DRAWN BY: RSW			
CHECK BY: DCL			
NO. 01/29/2025			
DATE 01/29/2025			
DRAWING NO. EP103			
SHEET NO. 215 OF 239			



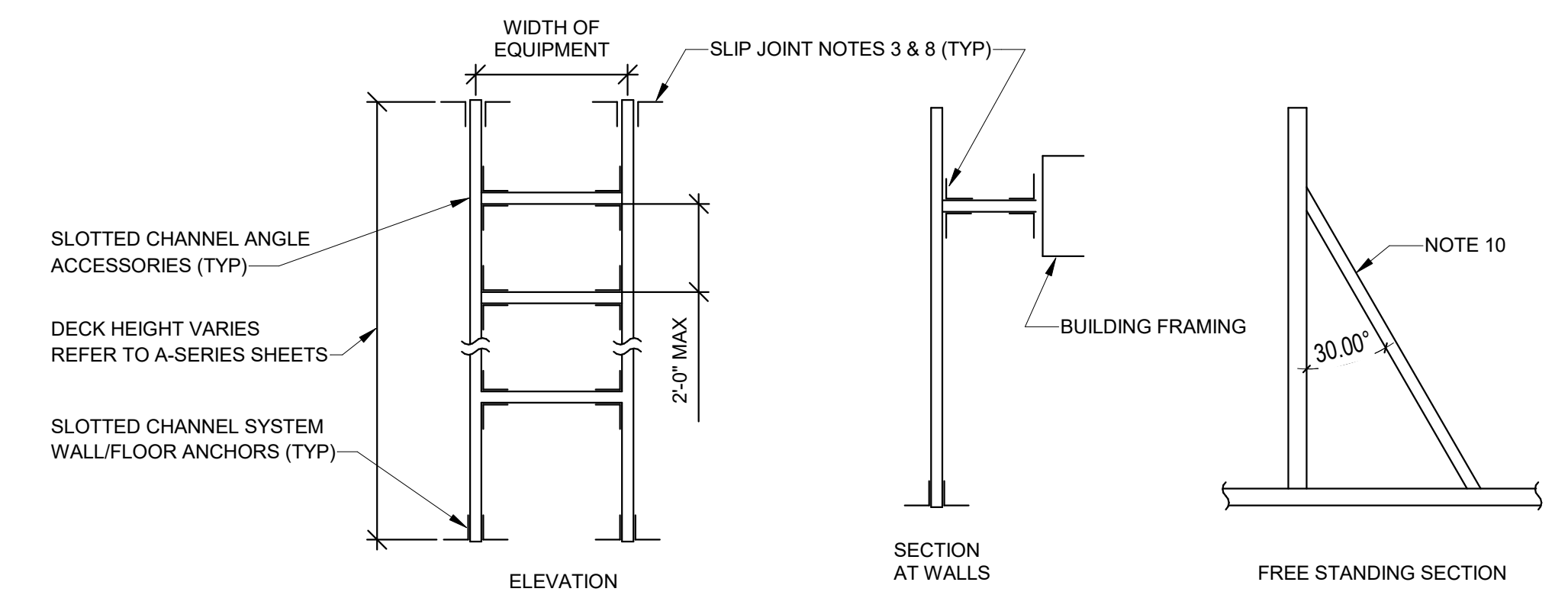
1 BASEMENT POWER PLAN
EP104 SCALE: 1/8" = 1'-0"
PLAN NORTH

DRAWING NOTE

1. CETA BUILDING BASEMENT IS 7'-1" FROM THE SLAB TO THE BOTTOM OF STRUCTURE. SWITCHBOARD, PANELBOARD, AND ATS MUST BE MANUFACTURED TO FIT THIS SPACE.

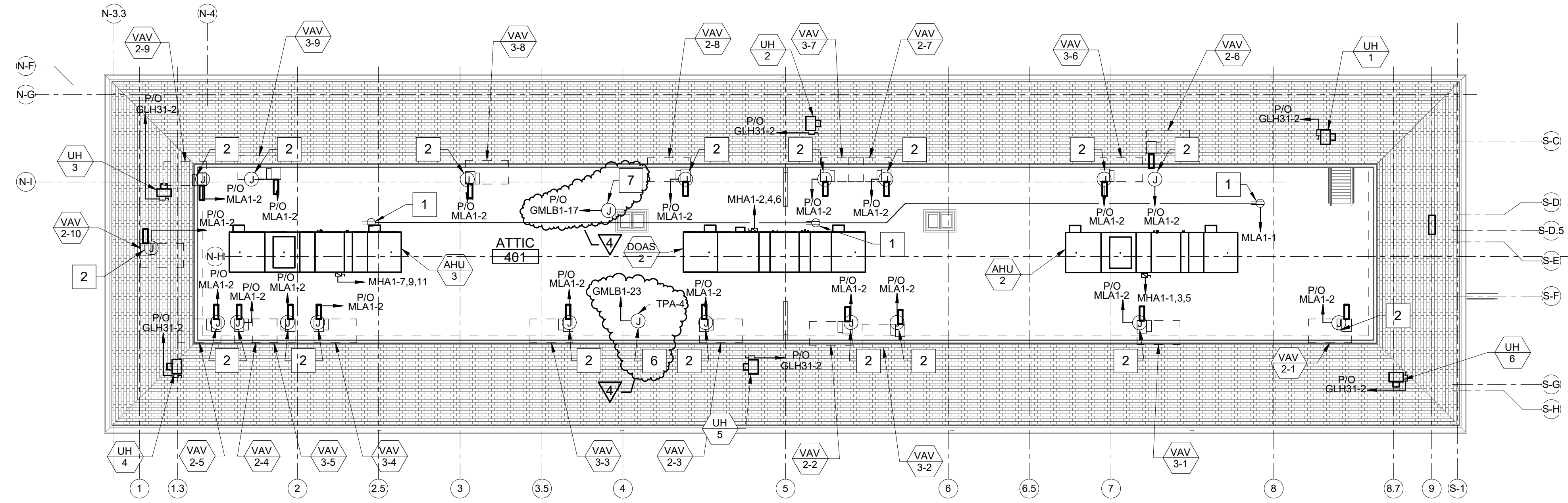
DRAWING KEYNOTES

1. MOUNT SERVICE RECEPTACLES ON CEILING COLLAR TIES.
2. 120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER 24V POWER SUPPLY.
3. PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BCS IT.
4. FOR SP. COORDINATE LOCATION IN THE FIELD.
5. PROVIDE CIRCUIT FOR FIRE ALARM CONTROL PANEL.
6. 120V POWER FOR TRAP PRIMER. FIELD COORDINATE FINAL LOCATION.
7. 120V POWER FOR DDC PANEL. FIELD COORDINATE FINAL LOCATION.
8. 120V POWER FOR SUMP PUMP. FIELD COORDINATE FINAL LOCATION. COORDINATE FOR MANUFACTURER REQUIREMENTS.

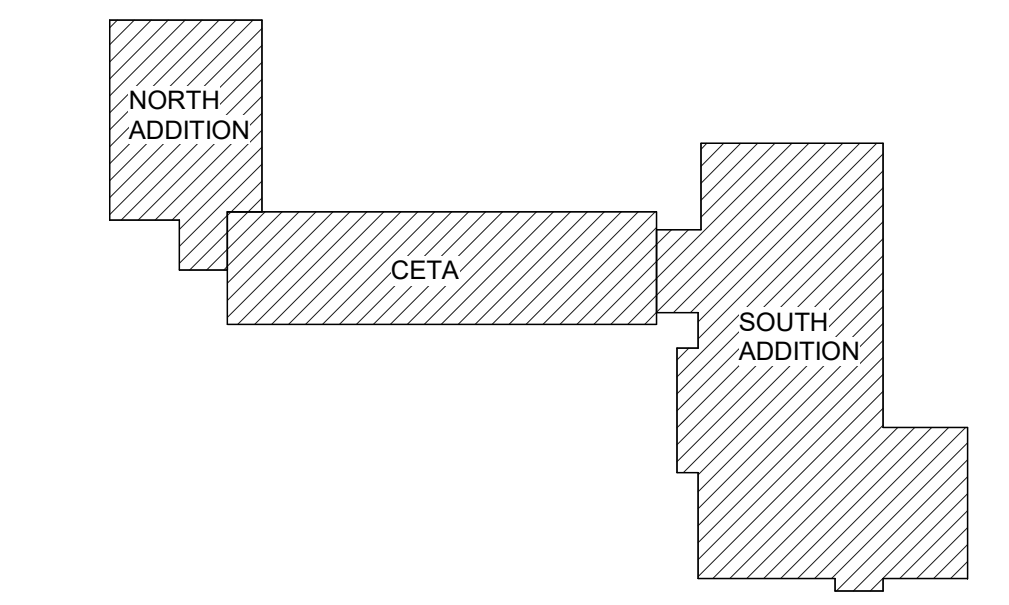
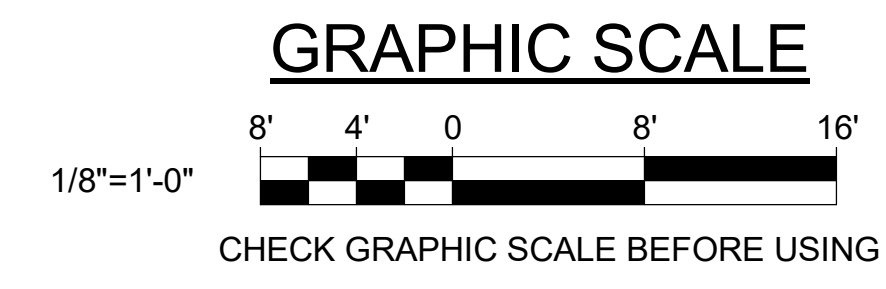


- SLOTTED CHANNEL RACK DETAIL NOTES:**
1. ANCHOR TO DECK ABOVE USING SLIP JOINTS WHERE NOT ADJACENT TO A WALL.
 2. PROVIDE BOLTED CONNECTIONS.
 3. PROVIDE 1/2" CLEAR SLIP JOINT AT VERTICAL SLOTTED CHANNEL TO ALLOW FOR STRUCTURAL DEFLECTION. SECURELY ANCHOR SLIP JOINT TO STRUCTURE.
 4. PROVIDE AT PANELBOARDS AND EQUIPMENT WHERE EQUIPMENT CAN NOT BE WALL MOUNTED. PROVIDE SIMILAR AT CONDUIT DROP TO MECHANICAL PUMPS AND EQUIPMENT.
 5. DO NOT SECURE TOP OF VERTICAL SLOTTED CHANNEL TO CEILING OR WALL.
 6. PROVIDE ADDITIONAL VERTICAL SLOTTED CHANNEL EVERY 20 INCHES FOR WIDER PANELBOARDS OR CONTROL PANELS OR GROUPS OF PANELBOARDS OR CONTROL PANELS. PROVIDE ADDITIONAL HORIZONTAL SLOTTED CHANNEL PER DETAIL.
 7. PROVIDE STEEL SLOTTED CHANNEL SUPPORT FOR MOUNTING PANELBOARDS, CONTROL PANELS, ASD'S, STARTERS AND DISCONNECT SWITCHES.
 8. PROVIDE SLIP JOINT BOB. POWER STRUT PS764. PROVIDE SLOT VERTICAL. TIGHTEN BOLT THROUGH SLOTTED CHANNEL HAND TIGHT. PROVIDE LOCKNUT AND DOUBLE NUT. TIGHTEN NUTS AGAINST EACH OTHER.
 9. PROVIDE GALVANIZED STEEL SLOTTED CHANNEL RACKS AT EXTERIOR LOCATIONS
 10. PROVIDE SUPPORT CHANNEL AS ANGLED SECTION AT FREESTANDING AND EXTERIOR SLAB ON GRADE APPLICATIONS.
 11. PROVIDE CHANNEL MANUFACTURERS NON-METALLIC END CAPS AT CHANNEL ENDS WHERE EXPOSED.

3 SLOTTED CHANNEL RACK DETAIL
EP104 SCALE: NOT TO SCALE



2 ATTIC POWER PLAN
EP104 SCALE: 1/8" = 1'-0"
PLAN NORTH



KEYPLAN
NOT TO SCALE
PLAN NORTH

						DEPARTMENT OF INLAND FISHERIES & WILDLIFE TITLE: NEW OFFICE HEADQUARTERS LOCATION: AUGUSTA, ME TITLE THIS DWG: BASEMENT AND ATTIC POWER PLANS		
4	03/19/25	ADDENDUM NO. 7	DCL	DRAWN BY: RSW CHECK BY: DCL NO.		EP104 DRAWING NO.		
3	03/13/25	ADDENDUM NO. 6	DCL					SHEET NO.
2	03/06/25	ADDENDUM NO. 5	DCL					
1	02/14/25	ADDENDUM NO. 1	MHL					
NO.	DATE	DESCRIPTION	BY	DATE: 01/29/2025				
REVISIONS								

DRAWING NOTE

1. METERS WITHIN PANELBOARDS MUST SEND A PULSE SIGNAL TO THE DDC SYSTEM. PROVIDE CABLING SYSTEM. PROVIDE CABLING AND CONDUIT CONNECTION TO DDC SYSTEM.

- 1 GENERATOR IS PART OF OPTION 1. PAD, UNDERGROUND CONDUIT, AND ATS ARE BASE BID.

☐ ELEVATOR.

- 3 CONNECT TO STATE OWNED PRIMARY SYSTEM LOOP. PROVIDE CABLES IN EXISTING CONDUIT TO TYSON AND GREENLAW TRANSFORMERS. COORDINATE OUTAGES WITH STATE OF MAINE BGS REPRESENTATIVES. SEE DRAWING CU101.

- 5 PROVIDE GROUND FAULT PROTECTION.

- MASTER LABEL LIGHTNING PROTECTION SYSTEM, TYPE 1 SPD.

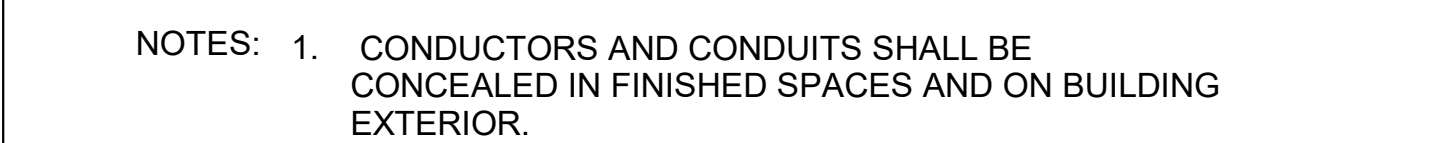
- 8 PROVIDE 208Y/120V, 100A MCB, 3Ø, 4W, 24-CIRCUIT PANEL BOARD WITH TWELVE (12) 20A

- 9 PROVIDE GROUNDING ELECTRODE SYSTEM IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).

-

1 ONE-LINE DIAGRAM
EP501 SCALE: NOT TO SCALE

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EP501 SCALE: NOT TO SCALE

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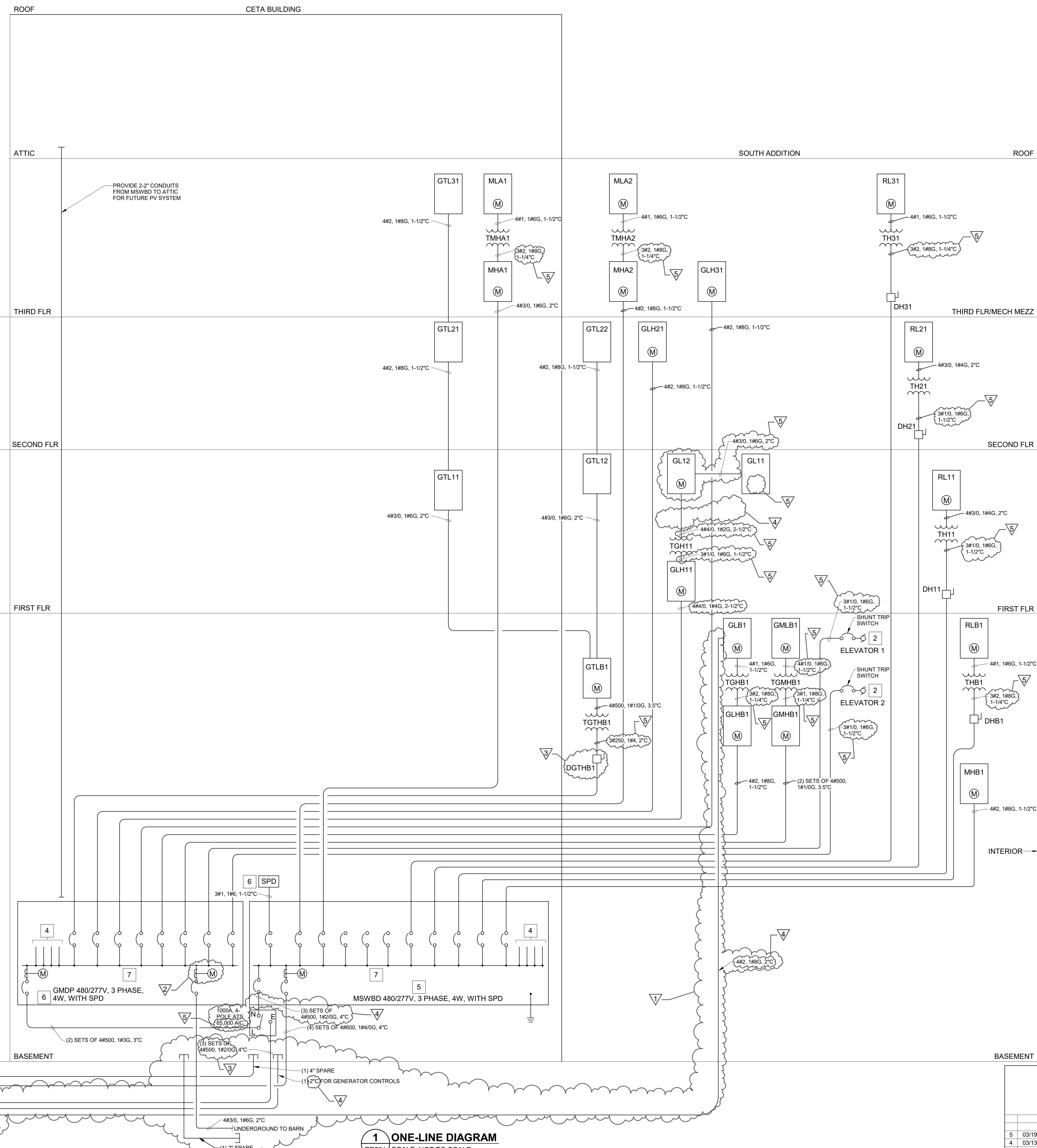
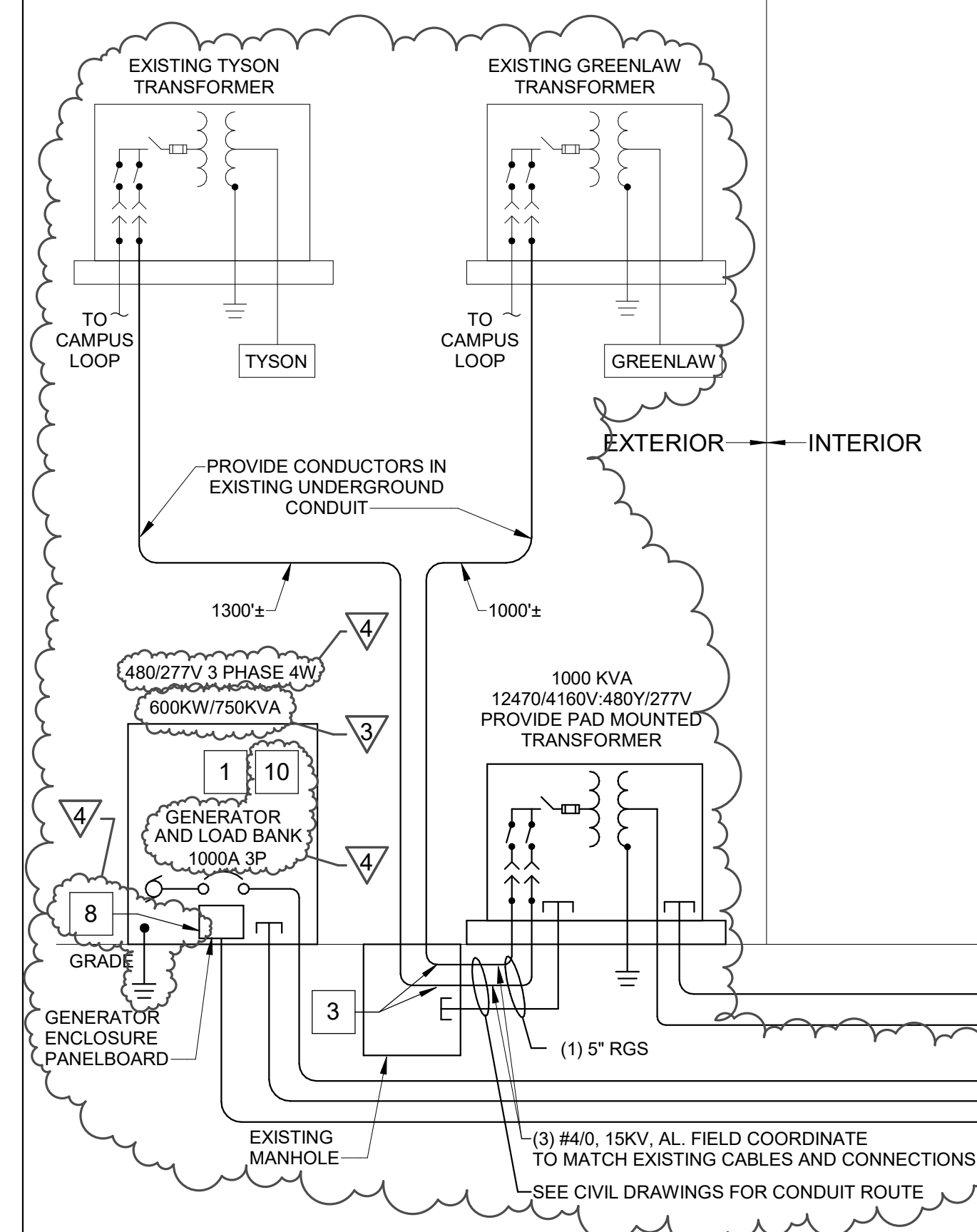
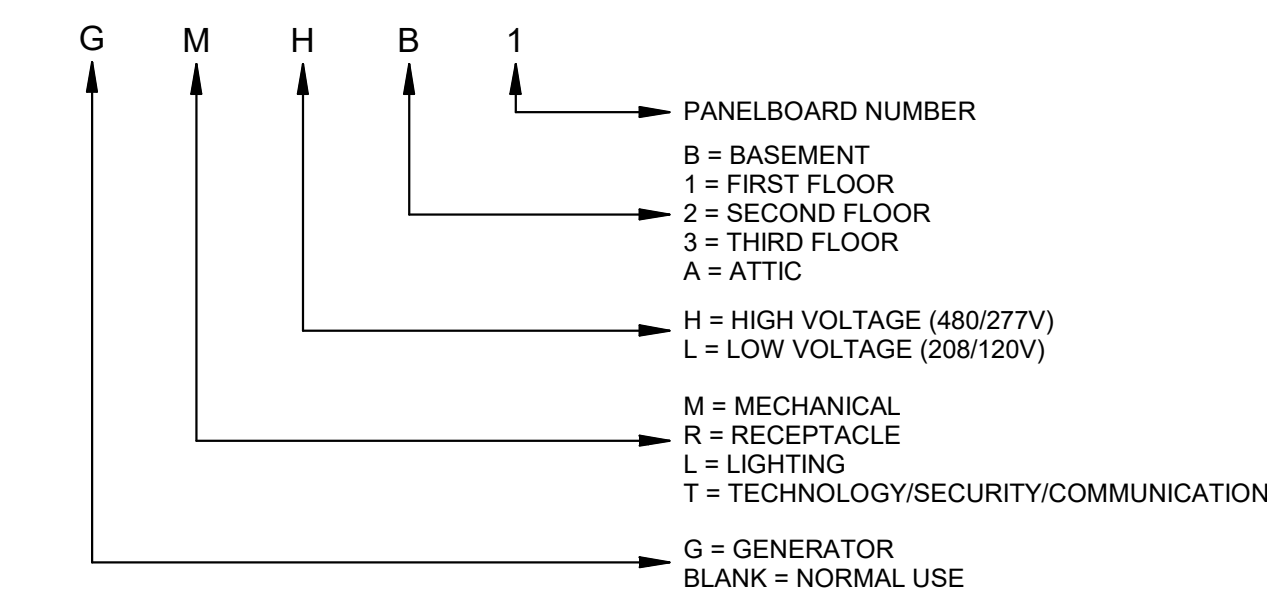


EP501 SCALE: NOT TO SCALE

(

TRANSFORMER SCHEDULE		
TAG	KVA	VOLTS
THB1	30	480Δ - 208Y/120
TGMHB1	45	480Δ - 208Y/120
TGHB1	30	480Δ - 208Y/120
TGTHB1	112.5	480Δ - 208Y/120
TH11	75	480Δ - 208Y/120
TGH11	75	480Δ - 208Y/120
TH21	75	480Δ - 208Y/120
TH31	30	480Δ - 208Y/120
TMHA1	30	480Δ - 208Y/120
TMHA2	30	480Δ - 208Y/120

G M H B 1



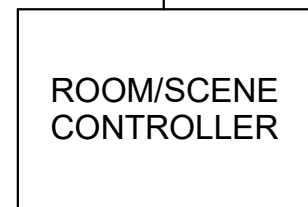
				DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
				TITLE NEW OFFICE HEADQUARTERS	
				LOCATION AUGUSTA, ME	
				TITLE THIS DRAWING ONE-LINE DIAGRAM AND DETAILS	
5	03/19/25	ADDENDUM NO. 7	DCL	OAK POINT ASSOCIATES CRAWLING NO. EP501 SHEET NO.	
4	03/13/25	ADDENDUM NO. 6	DCL		
3	03/06/25	ADDENDUM NO. 5	DCL		
2	02/28/25	ADDENDUM NO. 3	MHL		
1	02/14/25	ADDENDUM NO. 1	MHL		
NO.	DATE	DESCRIPTION	BY	DRAWN BY: BPD CHECK BY: DCL NO. ARCHITECTURE • ENGINEERING • PLANNING 231 Main Street, Skidowaw, Maine 04005 207.284.9193	
REVISIONS				DATE 01/29/2025	

MECHANICAL EQUIPMENT AND WIRING SCHEDULE

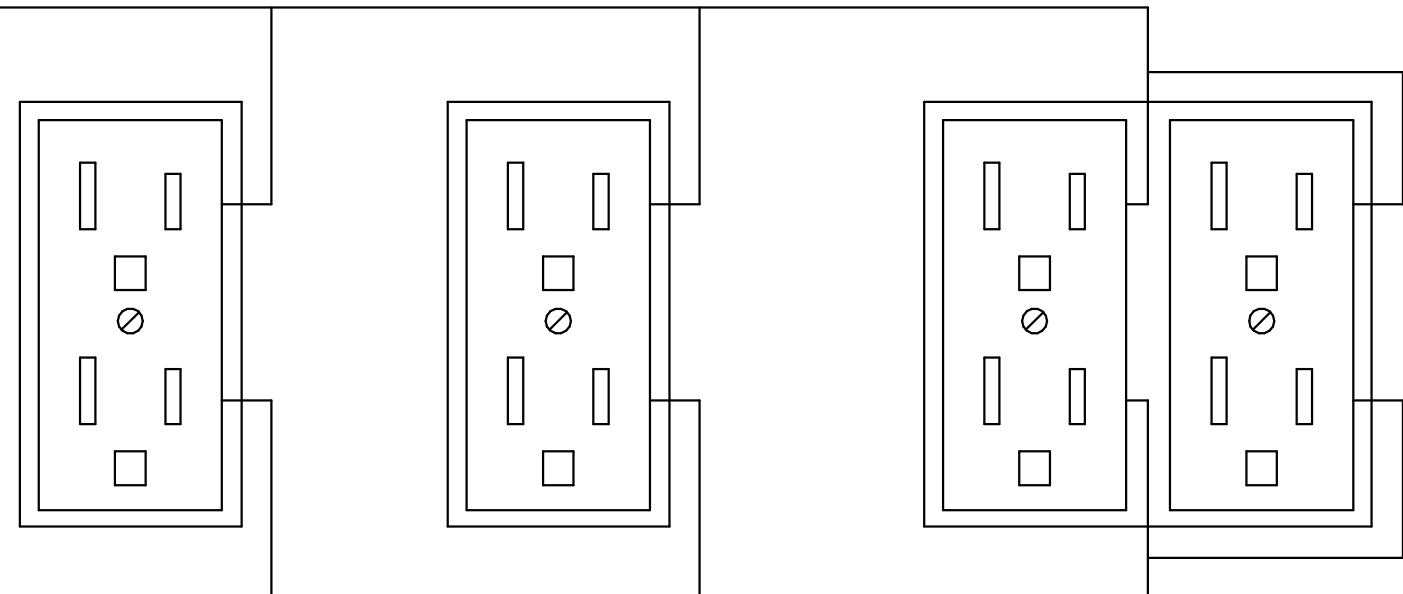
EQUIPMENT	VOLTS/PHASE	WIRE SIZE	CONDUIT SIZE	FUSED/NON-FUSED	DISCONNECT SIZE	FUSE SIZE	STARTER NEMA SIZE
AHU-1	480/3	3#12, 1#12G	3/4"	FUSED	30	15	NOTE 1
AHU-2	480/3	3#12, 1#12G	3/4"	FUSED	30	15	NOTE 1
AHU-3	480/3	3#12, 1#12G	3/4"	FUSED	30	15	NOTE 1
AHU-4	480/3	3#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-1	480/3	3#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-2	480/3	3#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-3	480/3	3#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-4	480/3	3#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-5	480/3	3#12, 1#12G	3/4"	FUSED	30	15	NOTE 1
P-1	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-2	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-3	480/3	3#12, 1#12G	3/4"	FUSED	30	15	0
P-4	480/3	3#12, 1#12G	3/4"	FUSED	30	15	0
P-5	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-6	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-7	480/3	3#6, 1#10G	1"	FUSED	60	45	2
P-8	480/3	3#6, 1#10G	1"	FUSED	60	45	2
CU-1/AC-1	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-2/AC-2	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-3/AC-3	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-4/AC-4	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-5/AC-5	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
UH-1	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-2	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-3	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-4	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-5	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-6	277/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-7	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-8	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-9	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-10	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-11	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-12	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-13	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-14	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-15	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-16	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-17	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-18	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
UH-19	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
ELEVATOR 1	480/3	3#1/0, 1#6G	1-1/2"	SHUNT TRIP CB	-	-	-
ELEVATOR 2	480/3	3#1/0, 1#6G	1-1/2"	SHUNT TRIP CB	-	-	-
HP-1	480/3	3#250, 1#4G	2"	FUSED	400	250	NOTE 1
GF-1	120/1	2#12, 1#12G	3/4"	FUSED	30	15	0
EWV-1	208/1	3#6, 1#10G	1"	FUSED	60	60	-
EWV-2	208/1	3#10, 1#10G	3/4"	FUSED	30	30	-
EWV-3	208/1	3#6, 1#10G	1"	FUSED	60	60	-
RP-1	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
RP-2	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
SP-1	120/1	2#12, 1#12G	3/4"	-	WP	20	-
SP-2	120/1	2#12, 1#12G	3/4"	-	WP	20	-
CUH-1	120/1	2#12, 1#12G	3/4"	-	-	-	-
CUH-2	120/1	2#12, 1#12G	3/4"	-	-	-	-
CUH-3	120/1	2#12, 1#12G	3/4"	-	-	-	-
EUH-1	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
EUH-2	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
EUH-3	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
TF-1	120/1	2#12, 1#12G	3/4"	NON FUSED	30	-	-
TF-2	120/1	2#12, 1#12G	3/4"	NON FUSED	30	-	-
TF-3	120/1	2#12, 1#12G	3/4"	NON FUSED	30	-	-
RP-3	120/1	2#12, 1#12G	3/4"	FUSED	30	15	-
SP-3	120/1	2#12, 1#12G	3/4"	-	WP	20	-
SP-4	120/1	2#12, 1#12G	3/4"	-	WP	20	-
HPCU-1	480/3	3#10, 1#10G	3/4"	FUSED	30	30	-
HPCU-2	480/3	3#12, 1#12G	3/4"	FUSED	30	15	-
HP1-1,2,3,4	208/1	2#12, 1#12G	3/4"	NON FUSED	30	-	-
HP1-5	208/1	2#10, 1#10G	3/4"	NON FUSED	30	-	-
HP2-1,2,3,4,6,7,8,9	208/1	2#12, 1#12G	3/4"	NON FUSED	30	-	-
HP2-5	208/1	2#10, 1#10G	3/4"	NON FUSED	30	-	-

SCHEDULE NOTE:
1. STARTER/VEP PROVIDED WITH UNIT.
2. AC UNIT FED FROM CU UNIT.

120V RECEPTACLE CIRCUIT



ALWAYS ON CIRCUIT

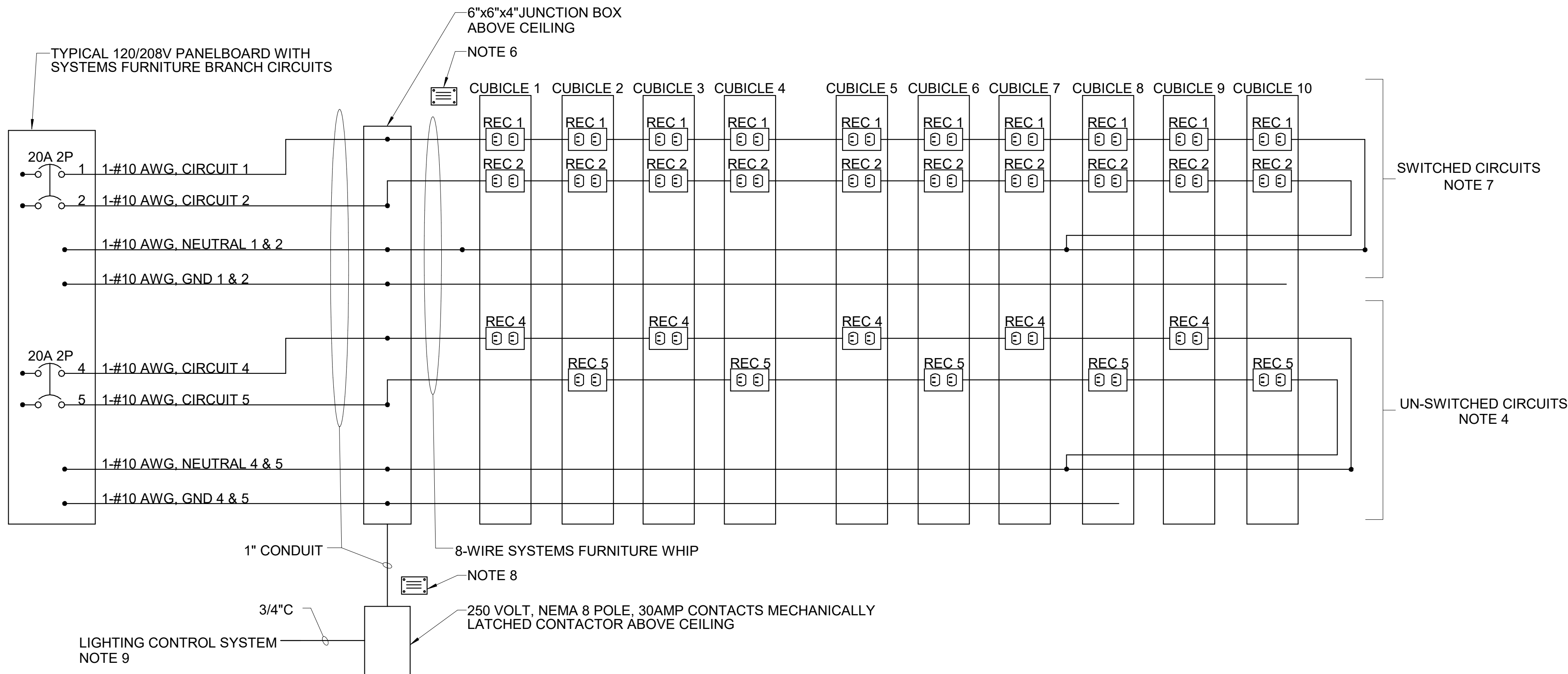


CONTROLLED CIRCUIT

AUTOMATIC RECEPTACLE CONTROL DIAGRAM NOTES:

- REFER TO PLANS FOR RECEPTACLE QUANTITIES AND CIRCUITS. AUTOMATICALLY CONTROLLED RECEPTABLES ARE NOTED AS "A" RECEPTABLES ON PLANS.
- CONNECT TO LIGHTING CONTROL SYSTEM. REFER TO DRAWING EL701.
- WIRE DUPLEX RECEPTABLES WITH (1) AUTOMATIC SHUT OFF CONTROLLED OUTLET AND (1) NON-CONTROLLED OUTLET.
- PROVIDE RECEPTACLE LABELED WITH CONTROLLED PER NEC 406.3.

1 AUTOMATIC RECEPTACLE CONTROL DIAGRAM
EP502 SCALE: NOT TO SCALE



SYSTEMS FURNITURE WIRING DETAIL (10-WIRE) NOTES:

- COORDINATE WITH THE FURNITURE INSTALLER FOR FINAL SYSTEMS FURNITURE WIRING CONFIGURATION.
- THIS DETAIL APPLIES WHERE CUBICLES ARE FED FROM ONE 8-WIRE FURNITURE WHIP.
- COMPLY WITH NFPA 70, SECTION 210.4 FOR MULTI-WIRE BRANCH CIRCUITS.
- ONE 20A CIRCUIT MUST NOT SERVE MORE THAN FIVE UNSWITCHED RECEPTACLE.
- PROVIDE ENGRAVED INFORMATIONAL LABEL LISTING SOURCE PANELBOARD AND CIRCUIT NUMBERS.
- ONE 20A CIRCUIT MUST NOT SERVE MORE THAN TEN SWITCHED RECEPTABLES.
- PROVIDE ENGRAVED INFORMATIONAL LABEL TO IDENTIFY MECHANICALLY HELD RELAY, CIRCUITS, LIGHTING CONTROL PANEL, AND LIGHTING CONTROL PANEL CIRCUIT NUMBER.
- REFER TO LIGHTING CONTROL PANEL DETAILS FOR OUTPUT CIRCUITS FROM LIGHTING CONTROL PANELS WHICH PROVIDE AUTOMATICALLY CONTROLLED RECEPTABLES.
- COORDINATE SWITCHED RECEPTACLE BUILDING OWNER AND FURNITURE INSTALLER.

3 SYSTEMS FURNITURE WIRING DETAIL (10-WIRE)
EP502 SCALE: 12" = 1'-0"

				DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
				TITLE: NEW OFFICE HEADQUARTERS	
				LOCATION: AUGUSTA, ME	
				TITLE THIS DWG: ELECTRICAL DETAILS AND WIRING SCHEDULE	
				DRAWN BY: BPD	
				CHECK BY: DCL	
				NO.	
				DATE	
				DESCRIPTION	
				DATE: 01/29/2025	
				ARCHITECTURE • ENGINEERING • PLANNING	
				219 OF 239	

PANELBOARD SCHEDULE GMDP													
Location: STORAGE 002				Volts: 480/277 Wye				A.I.C. Rating: 65000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 1000 A					
								MCB Rating: 1000 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	TGTHB1	250 A	3	87.1			20.5	4.4		3	100 A	GLHB1	2
3	--	--	--		65.9		50.9			--	--	--	4
5	--	--	--					15.6		--	--	--	6
7	GMHB1	800 A	3	296.5			77.9			3	200 A	GLH11	8
9	--	--	--		305.5			78.8		--	--	--	10
11	--	--	--			312.9			67.8	--	--	--	12
13	GLH21	100 A	3	18.9			20.1			3	100 A	GLH31	14
15	--	--	--		12			9.4		--	--	--	16
17	--	--	--			0			0	--	--	--	18
19	ELEVATOR E2	150 A	3	93.3			93.3			3	150 A	ELEVATOR E1	20
21	--	--	--		93.3			93.3		--	--	--	22
23	--	--	--			93.3			93.3	--	--	--	24
25	--	--	--							--	--	--	26
27	--	--	--							--	--	--	28
29	--	--	--							--	--	--	30
31	--	--	--							--	--	--	32
33	--	--	--							--	--	--	34
35	--	--	--							--	--	--	36
37	STORAGE BARN	200 A	3	75						--	--	--	38
39	--	--	--		75					--	--	--	40
41	--	--	--			75				--	--	--	42
Total Load:				214652 VA	202187 VA	195574 VA							
Total Amps:				778.6	733.6	706							

PANELBOARD SCHEDULE MSWB													
Location: STORAGE 002				Volts: 480/277 Wye				A.I.C. Rating: 65000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 1600 A					
								MCB Rating: 1600 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	MHB1	100 A	3	36.3			42.8			3	150 A	TH21	2
3	--	--	--		36.3			41.7		--	--	--	4
5	--	--	--			36.3			40.6	--	--	--	6
7	TH31	90 A	3	34.6			73.1			3	150 A	TH11	8
9	--	--	--		25.2			71.2		--	--	--	10
11	--	--	--			21.2			59.4	--	--	--	12
13	MHA2	100 A	3	69			0			3	20 A	SPD	14
15	--	--	--		69.2			0		--	--	--	16
17	--	--	--			59.8			0	--	--	--	18
19	MHA1	200 A	3	88.5			6.8			3	90 A	THB1	20
21	--	--	--		86.1			7.4		--	--	--	22
23	--	--	--			86.1			4.7	--	--	--	24
25	--	--	--							--	--	--	26
27	--	--	--							--	--	--	28
29	--	--	--							--	--	--	30
31	--	--	--							--	--	--	32
33	--	--	--							--	--	--	34
35	--	--	--							--	--	--	36
37	GMDP	1000 A	3	778.6						--	--	--	38
39	--	--	--		733.6					--	--	--	40
41	--	--	--			706				--	--	--	42
Total Load:				310820 VA	294528 VA	280915 VA							
Total Amps:				1129.7	1070.9	1014.1							

PANELBOARD SCHEDULE GLHB1													
Location: STORAGE 004				Volts: 480/277 Wye				A.I.C. Rating: 14000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	LTG - BASEMENT	20 A	1	3.8								20 A LTG - STAIR S1	2
3	LTG - STAIR S3	20 A	1		2			0.9		1		20 A LTG - ELEV E2	4
5	LTG - ELEV E1	20 A	1			0.5			0.4			20 A LTG - MACH E1A	6
7	LTG - SITE AND BLDG MOUNT	20 A	1	2.5			0.1					20 A LTG - MACH E2A	8
9	LTG - INDEPENDENCE DRIVE	20 A	1		1			0.1		1		--	10
11	LTG - EAST PARKING LOTS	20 A	1			2						--	12
13	LTG - WEST PATIO AND BOLLARDS	20 A	1	0.8								--	14
15	--	--	--									--	16
17	--	--	--									--	18
19	--	--	--									--	20
21	--	--	--									--	22
23	--	--	--									--	24
25	--	--	--									--	26
27	--	--	--									--	28
29	--	--	--									--	30
31	--	--	--									--	32
33	--	--	--									--	34
35	--	--	--									--	36
37	TGHB1	90 A	3	13.6								--	38
39	--	--	--		0.4							--	40
41	--	--	--			12.9						--	42
Total Load:				5269 VA	1216 VA	3915 VA							
Total Amps:				20.5	4.4	15.6							

PANELBOARD SCHEDULE MHB1													
Location: STORAGE 004				Volts: 480/277 Wye				A.I.C. Rating: 14000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	DOAS-1	25 A	3	18.2			9			3	15 A	AHU-1	2
3	--	--	--		18.2			9		--	--	--	4
5	--	--	--			18.2			9	--	--	--	6
7	HPCU-2	15 A	3	9						--	--	--	8
9	--	--	--		9					--	--	--	10
11	--	--	--			9				--	--	--	12
13	--	--	--							--	--	--	14
15	--	--	--							--	--	--	16
17	--	--	--							--	--	--	18
19	--	--	--							--	--	--	20
21	--	--	--							--	--	--	22
23	--	--	--							--	--	--	24
25	--	--	--							--	--	--	26
27	--	--	--							--	--	--	28
29	--	--	--							--	--	--	30
31	--	--	--							--	--	--	32
33	--	--	--							--	--	--	34
35	--	--	--							--	--	--	36
37	--	--	--							--	--	--	38
39	--	--	--							--	--	--	40
41	--	--	--							--	--	--	42
Total Load:				10043 VA	10043 VA	10043 VA							
Total Amps:				36.3	36.3	36.3							

PANELBOARD SCHEDULE GMHB1													
Location: MECH 005				Volts: 480/277 Wye				A.I.C. Rating: 35000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 800 A					
								MCB Rating: 800 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	P-1	20 A	3	11			11			3	20 A	P-2	2
3	--	--	--		11			11		--	--	--	4
5	--	--	--			11			11	--	--	--	6
7	P-3	15 A	3	4.8			4.8			3	15 A	P-4	8

PANELBOARD SCHEDULE RL11														
Location: ELEC 132				Volts: 120/208 Wye				A.I.C. Rating: 10000						
Mounting: Surface				Phases: 3				Mains Type: MCB						
Enclosure: Type 1				Wires: 4				Mains Rating: 200 A						
								MCB Rating: 200 A						
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT	
1	REC - COPIER RM 167	20 A	1	1.5			12			1	20 A	REC - RMS 154 AND 156	2	
3	REC - CONF RM 152	20 A	1		9			1.5		1	20 A	REC - CONF RM 152 TV	4	
5	REC - RMS 148 AND 150	20 A	1			12			12	1	20 A	REC - RMS 144 AND 146	6	
7	REC - RMS 140 AND 142	20 A	1	12			12			1	20 A	REC - RMS 136 AND 138	8	
9	REC - RM 134	20 A	1		3			4.5		1	20 A	REC - RM 134	10	
11	REC - CONF RM 155	20 A	1			12			1.5	1	20 A	REC - CONF RM 155 TV	12	
13	REC - RMS 151 AND 153	20 A	1	12			12			1	20 A	REC - RMS 147 AND 149	14	
15	REC - RMS 143 AND 145	20 A	1		12			12		1	20 A	REC - RMS 139 AND 141	16	
17	REC - RMS 135 AND 137	20 A	1			9			4.5	1	20 A	REC - RM 133 COUNTER 1	18	
19	REC - EXTERIOR FRONT	20 A	1	4.5			6			9	1	20 A	REC - RMS 104 AND 105	20
21	REC - ELEC RM 132	20 A	1		3			9		1	20 A	REC - RMS 101,103,106,107,108 AND 131	22	
23	REC - EXTERIOR BACK	20 A	1			3			4.5	1	20 A	REC - CONF RM 102C	24	
25	REC - CONF RM 102B	20 A	1	4.5			7.5			1	20 A	REC - CONF RM 102B	26	
27	REC - CONF RM 102B TV	20 A	1		3			4.5		1	20 A	REC - CONF RM 102A	28	
29	REC - CONF RM 102A TV	20 A	1			3			1.5	1	20 A	REC - CONF RM 102A	30	
31	REC - LOBBY/MUSEUM RM 100	20 A	1	4.5			6			1	20 A	REC - OFFICE RM 111	32	
33	REC - RMS 111A AND 113	20 A	1		12			9		1	20 A	REC - RMS 114 AND 115	34	
35	REC - RMS 116 AND 117	20 A	1			9			9	1	20 A	REC - RMS 118 AND 119	36	
37	REC - RMS 123 AND 124	20 A	1	9			9			1	20 A	REC - RMS 125 AND 126	38	
39	REC - RMS 110 AND 112	20 A	1		6			1.5		1	20 A	REC - COPIER RM 110	40	
41	REC - RMS 109 AND 112	20 A	1			10.5			2.4	2	20 A	JUNCTION BOX FURNITURE 112	42	
43	JUNCTION BOX FURNITURE 112	20 A	2	2.4			2.4			--	--	--	44	
45	--	--	--		2.4			4.5		--	--	--	46	
47	JUNCTION BOX FURNITURE 112	20 A	2		2.4			4.5		7.5	1	20 A	REC - RMS 120,121,128, AND 129	48
49	--	--	--	2.4						1	20 A	REC - EXTERIOR	50	
51	REC - MICROWAVE RM 133	20 A	1		12			3		1	20 A	REC - RM 133 COUNTER 2	52	
53	REC - COUNTER BREAK RM 133	20 A	1			3			1.5	1	20 A	REC - MICROWAVE SHELF	54	
55	JUNCTION BOX RM 103	20 A	1	1			1.5			1	20 A	REC - COUNTER RM 102C	56	
57	REC - COUNTER RM 102C	20 A	1		1.5			10		1	20 A	MOTORIZED SHADE NORTH WALL RM 102C	58	
59	MOTORIZED SHADE EAST WALL RM 102C, 102B	20 A	1			10			5	1	20 A	MOTORIZED SHADE EAST WALL RM 102A	60	
61	VAV BOXES	20 A	1	1			1			1	20 A	AUTOMATIC VALVE TOILET 120,121	62	
63	REC - MICROWAVE CANTEN RM 122	20 A	1		12			3		1	20 A	REC - QUAD OPEN OFFICE 134	64	
65	REC - QUAD OPEN OFFICE 134	20 A	1			3			6	1	20 A	REC - FILES 162, TOILET 163	66	
67	REC - CONF 102B	20 A	1	1.5			16			1	20 A	REC - AV CABINET	68	
69	REC - QUAD OPEN OFFICE 112	20 A	1		3			1.5		1	20 A	REC - DUPLEX OPEN OFFICE...	70	
71	REC - QUAD OPEN OFFICE 112	20 A	1			3			3.6	1	20 A	TF-1	72	
73	HP-1-5	25 A	2	17.3			6			--	--	20 A SKYWALL	74	
75	--	--	--		17.3					--	--	--	76	
77	HP-1-4	15 A	2			3.7				--	--	--	78	
79	--	--	--							--	--	--	80	
81	REC - CONDENSATE PUMP	20 A	1		7.5								82	
83	--	--	--										84	
Total Load:				19805 VA	19278 VA	16449 VA								
Total Amps:				168.7	164.3	137.1								

PANELBOARD SCHEDULE GLH11													
Location: ELEC 132				Volts: 480/277 Wye				A.I.C. Rating: 35000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 225 A					
				MCB Rating: 200 A									
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	TGH11	150 A	3	68.5			1.2			1	20 A	LTG - STAIR S2	2
3	--	--	--		66.8			0.4		1	20 A	LTG - EMERG ATTIC MECH M2	4
5	--	--	--			53.3			0.7	1	20 A	LTG - ATTIC MECH M2	6
7													8
9								12		1	20 A	EUH-1	10
11	LTG - FIRST FLOOR NORTH	20 A	1			4.7			9.2	1	20 A	LTG - FIRST FLOOR CENTER	12
13	LTG - FIRST FLOOR SOUTH	20 A	1	9.3									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				21196 VA	21451 VA	18775 VA							
Total Amps:				77.9	78.8	67.8							

PANELBOARD SCHEDULE GL11																	
Location: CORRIDOR 159				Volts: 120/208 Wye				A.I.C. Rating: 10000									
Mounting: RECESSED				Phases: 3				Mains Type: MCB									
Enclosure: Type 1				Wires: 4				Mains Rating: 200 A									
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT				
1	REC - RM 170 HOOD	20 A	1	12			12			1	20 A	REC - RM 170 HOOD	2				
3	REC - RM 170 INCUBATOR	20 A	1		2.5			2.5		1	20 A	REC - RM 170 INCUBATOR	4				
5	REC - RM 170 COUNTER	20 A	1			1.5			7.5	1	20 A	REC - RM 170 COUNTER/STOR	6				
7	REC - RM REFRIG	20 A	1	12			3			1	20 A	REC - RM 169 COUNTER	8				
9	REC - RM 169 COUNTER	20 A	1		4.5			1.5		1	20 A	REC - RM 167 LAB EQPT	10				
11	REC - OFFICE 165/CUST 166	20 A	1			12			3	1	20 A	REC - RM 167 LAB EQPT	12				
13	REC - RM 170	20 A	1	1.5			4.5			1	20 A	REC - RM 167 COUNTER	14				
15	REC - RM 167 LAB EQPT	20 A	1		3			1.5		1	20 A	REC - RM 171	16				
17	REC - RM 159,160,162,163	20 A	1			9			6	1	20 A	REC - 171 CLEAN HOOD	18				
19	REC - RM 161 NECROPSY TABLE	20 A	1	6			12			1	20 A	REC - RM 161 FISH FREEZER	20				
21	REC - RM 161 LAB EQPT	20 A	1		3			1.5		1	20 A	REC - RM 161 LAB EQPT	22				
23	REC - RM 171 HOOD	20 A	1			12			1.5	1	20 A	REC - RM 167 COUNTER	24				
25	REC - RM 167 HOOD	20 A	1	12									26				
27	REC - REFRIGERATOR RM 122	20 A	1			12			1.5	1	20 A	REC - RM 167 LAB LOW FREEZER	28				
29	REC - RM 167 FRIDGE/FREEZER	20 A	1			12			3	1	20 A	REC - RM 161	30				
31	REC - 161 CLEAN HOOD	20 A	1	6			42			2	50 A	REC - RM 167 AUTOCLAVE	32				
33	HP-2-3	25 A	2			17.3		42					34				
35	--	--	--	17.3			4.8		4.8	2	15 A	HP-2-1, HP-2-2, HP-2-3, HP-2-4	36				
37	REC - CONDENSATE PUMP	15 A	1		7.5			44		2	60 A	EWH-3	38				
39	BP-3	15 A	1			4			44				40				
41													42				
43													44				
45													46				
47													48				
49													50				
51													52				
53													54				
55													56				
57													58				
59													60				
Total Load:				16388 VA	15129 VA	14757 VA											
Total Amps:				137	126.6	123											

PANELBOARD SCHEDULE RL21													
Location:				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 200 A					
								MCB Rating: 200 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - RECEIVING RM 279	20 A	1	4.5			9.8					20 A OVERHEAD DOOR	2
3	REC - EXT. RECEIVING RM 279	20 A	1		1.5			12				20 A REC - RMS 268 AND 269	4
5	REC - RMS	20 A	1						12			20 A REC - RMS 258 AND 260	6
7	REC - RMS 262 AND 264	20 A	1	12			12					20 A REC - RMS 250 AND 252	8
9	REC - RMS 254 AND 256	20 A	1		12			12				20 A REC - RMS 242 AND 244	10
11	REC - RMS 246 AND 248	20 A	1			12			12			20 A REC - RMS 241 AND 243	12
13	REC - COPY RM 240	20 A	1	4.5			9					20 A REC - RM 245	14
15	REC - CANTEEN RM 239	20 A	1		4.5			12				20 A REC - RMS 253 AND 255	16
17	REC - RMS 249 AND 251	20 A	1			12			12			20 A REC - RMS 263 AND 265	18
19	REC - RMS 257 AND 259	20 A	1	12			9					20 A REC - RM 261	20
21	REC - RMS 267 AND 269	20 A	1		12				12			20 A REC - RMS	22
23	REC - RMS 237 AND 238	20 A	1			7.5				6		20 A HIGH DENSITY STACKS	24
25	REC - RMS 206 212 213	20 A	1		9								26
27	REC - RMS 273,274,275,277	20 A	1		10.5								28
29	HP-2-6, HP-2-7, HP-2-8, HP-2-9	15 A	2			3.7							30
31													32
33	REC - CONDENSATE PUMP	15 A	1			3.7							34
35							6						36
37													38
39													40
41													42
43								12			1	20 A REC - MICROWAVE RM 239	44
45	REC - RM 243 TV	20 A	1		1.5								46
47	TF-2	20 A	1			3.6							48
49	REC - COUNTER RM 239	20 A	1		1.5								50
51													52
53	REC - RECEIVING RM 279	20 A	1			4.5							54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
Total Load:				11818 VA	11520 VA	11254 VA							
Total Amps:				98.8	96.3	93.8							

PANELBOARD SCHEDULE GTL21													
Location: DATA 270				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL31											20 A REC - DATA RM 270	2
3				100 A	3	32.2			15.5		3	20 A REC - DATA RM 270	4
5												20 A REC - DATA RM 270	6
7	REC - DATA RM 270	20 A	1	3			24					20 A REC - DATA RM 270	8
9	TWIST LOCK DATA RM 270	30 A	1			24				11		20 A REC - DATA RM 270	10
11	REC - CONDENSATE PUMP	15 A	1			1.5						25 A CU-2, AC-2	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
Total Load:				7200 VA	6240 VA	5880 VA							
Total Amps:				60.5	52.5	49							

PANELBOARD SCHEDULE GTL22													
Location: DATA 214				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - DATA RM 214	20 A	1	3			3					20 A REC - DATA RM 214	2
3	REC - DATA RM 214	20 A	1		3			3				20 A REC - DATA RM 214	4
5	TWIST LOCK DATA RM 214	30 A	1			24						15 A REC - CONDENSATE PUMP	6
7	TWIST LOCK DATA RM 214	30 A	1	24									8
9	CU-5, AC-5	20 A	2										10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				3600 VA	1860 VA	4200 VA							
Total Amps:				32.2	15.5	37.2							

DRAWING KEYNOTE

1 PROVIDE GFCI CIRCUIT BREAKER.

PANELBOARD SCHEDULE MHA1													
Location: ELEC 303				Volts: 480/277 Wye				A.I.C. Rating: 35000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 200 A					
								MCB Rating: 200 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	AHU-2	15 A	3	8.8			18.2					25 A DOAS-2	2
3								18.2					4
5									18.2				6
7	AHU-3	15 A	3	8.8									8
9													10
11													12
13	DOAS-3	25 A	3	25			10.2					15 A DOAS-5	14
15						25			10.2				16
17													18
19	HPCU-1	30 A	3	15.2									20
21						15.2							22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37	TMHA1	90 A	3	2.4									38
39						0							40
41							0						42
Total Load:				24513 VA	23853 VA	23853 VA							
Total Amps:				88.5	86.1	86.1							

PANELBOARD SCHEDULE MLA1													
Location: ELEC 303				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - ATTIC	20 A	1	4.5			1			1	20 A	VAV BOXES - ATTIC	2
3													6
5													8
7													10
9													12
11													14
13													16
15													18
17													20
19													22
21													24
23													26
25													28
27													30
29													32
31													34
33													36
35													38
37													40
39													42
41													
Total Load:				660 VA	0 VA	0 VA							
Total Amps:				5.5	0	0							

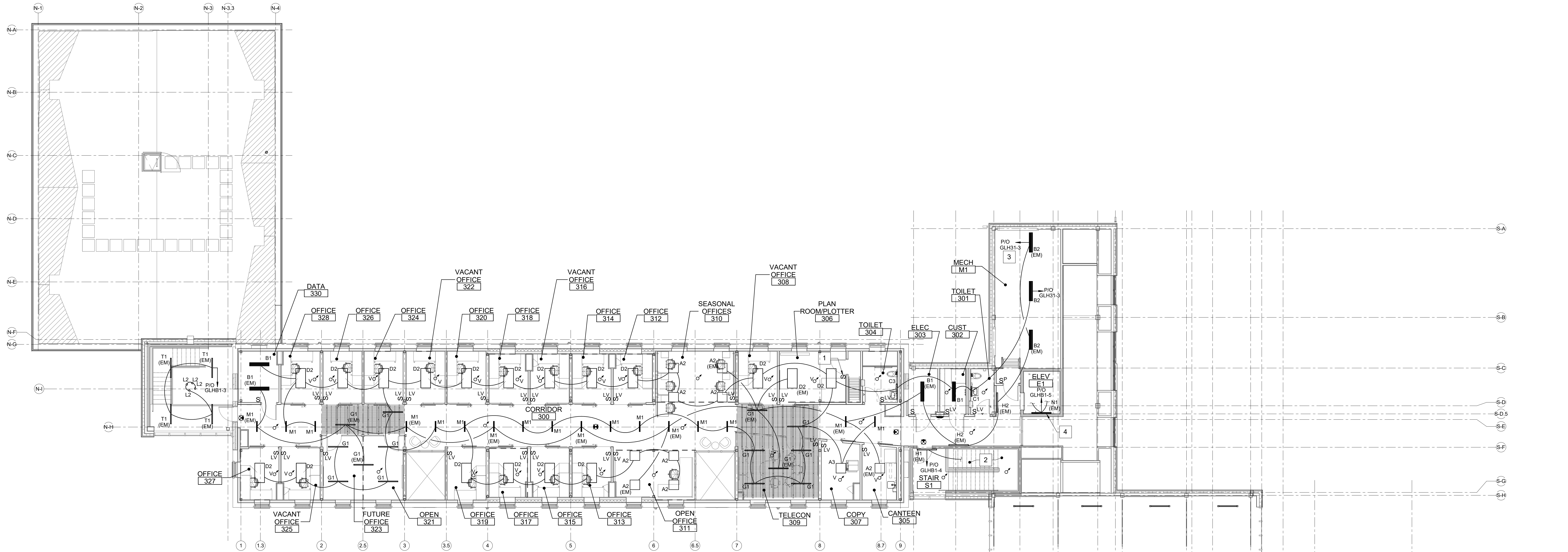
PANELBOARD SCHEDULE RL31													
Location: ELEC 303				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - RMS 322 AND 324	20 A	1	12			12				1	20 A REC - RMS 326 AND 328	2
3	REC - RMS 314 AND 316	20 A	1		12			12			1	20 A REC - RMS 318 AND 320	4
5	REC - RM 310	20 A	1			7.5				12	1	20 A REC - RMS 308 AND 312	6
7	REC - RMS 301, 302, AND 304	20 A	1	6			6				1	20 A REC - RM 306 PLOTTER	8
9	REC - RMS 307...	20 A	1		1.5			4.5			1	20 A REC - ELEC RM 302	10
11	REC - COPIER RM 307	20 A	1			1.5			4.5		1	20 A REC - COUNTER RM 305	12
13	REC - RM 309	20 A	1	9			12				1	20 A REC - RMS 300 AND 311	14
15	REC - RMS 313 AND 315	20 A	1		12			12			1	20 A REC - RMS 317 AND 319	16
17	REC - CONFERENCE RM 323	20 A	1			10.5			12		1	20 A REC - RMS 325 AND 327	18
19	REC - MICROWAVE RM 305	20 A	1	12			6				1	20 A REC - MECH RM M1	20
21	REC - COUNTER RM 305	20 A	1		1.5			1.5			1	20 A REC - RM 309 TV	22
23	AUTOMATIC VALVES 3RD FLR	20 A	1			1							24
25	TF-3	20 A	1	3.6									26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				9432 VA	6840 VA	5880 VA							
Total Amps:				79.8	58.2	49							

PANELBOARD SCHEDULE GLH31													
Location: ELEC 303				Volts: 480/277 Wye				A.I.C. Rating: 14000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	EUH-3	20 A	1	12			6.8				1	20 A UH-1,2,3,4,5,6,18	2
3	LTG - ATTIC EMERGENCY	20 A	1		8.1								4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				5210 VA	2254 VA	0 VA							
Total Amps:				20.1	9.4	0							

PANELBOARD SCHEDULE GTL31													
Location: DATA 330				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - DATA RM 330	20 A	1	3			3				1	20 A REC - DATA RM 330	2
3	REC - DATA RM 330	20 A	1		3			3			1	20 A REC - DATA RM 330	4
5	TWIST LOCK DATA RM 330	30 A	1			24				1.5	1	15 A REC - CONDENSATE PUMP	6
7	TWIST LOCK DATA RM 330	30 A	1	24									8
9	CU-3, AC-3	25 A	2		11								10
11						11							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
Total Load:				3600 VA	1860 VA	4200 VA							
Total Amps:				32.2	15.5	37.2							

PANELBOARD SCHEDULE MHA2													
Location: OFFICE 220				Volts: 480/277 Wye				A.I.C. Rating: 14000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	THMA2	90 A	3	33.8			18.2			3	25 A	DOAS-4	2
3	--	--	--		34			18.2		--	--		4
5	--	--	--			24.7			18.2	--	--		6
7	AHU-4	25 A	3	17									8
9	--	--	--		17								10
11	--	--	--			17							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				18763 VA	18833 VA	16573 VA							
Total Amps:				69	69.2	59.8							

PANELBOARD SCHEDULE MLA2													
Location: CORRIDOR 215				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	RP-2	15 A	1	4			12			1	20 A	REC - REFRIGERATOR RM 211	2
3	REC - CONFERENCE RM 216	20 A	1		10.5			3		1	20 A	REC - MECH ATTIC M2	4
5	REC - CONFERENCE RM 216 TV	20 A	1			1.5			1	1	20 A	VAV BOXES	6
7	REC - RMS 217 AND 219	20 A	1	9			4.2			1	20 A	REC - RM 218 FURNITURE	8
9	REC - CONFERENCE RM 208	20 A	1		9			1.5		1	20 A	REC - CONFERENCE RM 208 TV	10
11	REC - RM 209	20 A	1			12			10.5	1	20 A	REC - RM 230	12
13	REC - RM 232	20 A	1	7.5			9			1	20 A	REC - RMS 233 AND 234	14
15	REC - RMS 235 AND 236	20 A	1		7.5			9		1	20 A	REC - RMS 229 AND 231	16
17	REC - RM 231 TV	20 A	1			1.5			4.2	1	20 A	REC - RM 236 FURNITURE	18
19	AUTOMATIC VALVES 2ND FLR	20 A	1	1			9			1	20 A	REC - RMS 220 AND 222	20
21	REC - MICROWAVE CANTEEN...	20 A	1		12			4.5		1	20 A	REC - CANTEN RM 211	22
23	REC - RM	20 A	1			1.5			6	1	20 A	REC - RMS 215,218,221	24
25	REC - RMS 225 AND 226	20 A	1	9			10.5			1	20 A	REC - RMS 223 AND 224	26
27	EWB-2	30 A	2		21.6								28
29						21.6							30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:				9020 VA	9090 VA	6830 VA							
Total Amps:				78	78.6	56.9							



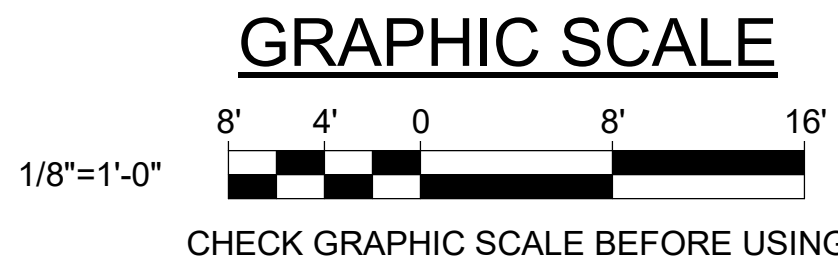
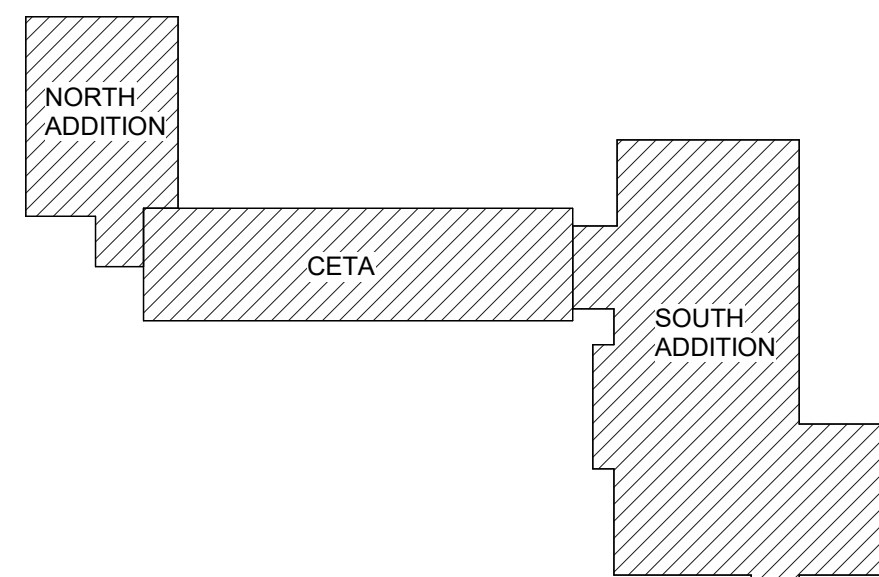
1 THIRD FLOOR LIGHTING PLAN
EL103 SCALE: 1/8" = 1'-0"

DRAWING NOTES

- CONNECT EXIT SIGNS AND EMERGENCY FIXTURES TO LOCAL LIGHTING CIRCUITS AHEAD OF ANY SWITCHES, OCCUPANCY SENSORS, ETC.
- LIGHTING FIXTURES SHALL NOT BE OBSTRUCTED BY EQUIPMENT IN DATA ROOMS OR MECHANICAL SPACES. COORDINATE FINAL LOCATION OF LIGHTING FIXTURES IN DATA ROOMS AND MECHANICAL SPACES WITH OWNER.
- PROVIDE LOW VOLTAGE SWITCHES FOR SPACES WITH VACANCY SENSORS.
- PROVIDE AUTOMATIC SHUTOFF CONTROLLER/POWER PACK TO CONTROL SPLIT-CIRCUIT RECEPTACLES IN COMPLIANCE WITH ASHRAE STANDARD 90.1. CONTROLLED RECEPTACLES ARE SHOWN ON THE EP SHEETS WITH AN "A" SUBSCRIPT. UTILIZE OCCUPANCY/VACANCY SENSORS IN THE SAME ROOM FOR CONTROL. REFER TO DETAIL ON SHEET EP502.
- PROVIDE AN ADDITIONAL CONTACT ON OCCUPANCY SENSORS OR A DIGITAL CONTACT FOR CONTROL OF BATHROOM HVAC SYSTEMS.
- REFER TO SHEET EL701 FOR LIGHTING FIXTURE SCHEDULE AND DETAILS.
- INSTALL WALL MOUNTED CORRIDOR FIXTURES AT 8'-0" AFF.
- REFER TO DETAIL 2/EL701 FOR EXTERIOR, STAIR, AND CORRIDOR LIGHTING CONTROL DIAGRAM.

DRAWING KEYNOTES

- PROVIDE LIGHT SWITCH FOR MECHANICAL ATTIC SPACE.
- REFER TO SHEET AE440 AND AE441 FOR STAIRWELL LIGHTING FIXTURE MOUNTING HEIGHTS. CONDUIT IS NOT PERMITTED TO BE ROUTED THROUGH THE STAIR UNLESS IT SERVES A DEVICE ASSOCIATED WITH, OR INSTALLED IN, THE STAIRWELL.
- PROVIDE A REMOTE EMERGENCY LIGHTING INVERTER. COORDINATE AND CONFIRM FINAL FIXTURE SELECTION DOES NOT EXCEED THE INVERTER CAPACITY. BASIS OF DESIGN: ONLINE POWER, POWER WAVE INVERTERS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL TRADE.
- INSTALL ELEVATOR LIGHT FIXTURE AT 8'-0" ABOVE THE ELEVATOR LANDING AT EACH RESPECTIVE FLOOR. COORDINATE LOCATION WITH THE ELEVATOR RAILS.



GRAPHIC SCALE

1/8"=1'-0"



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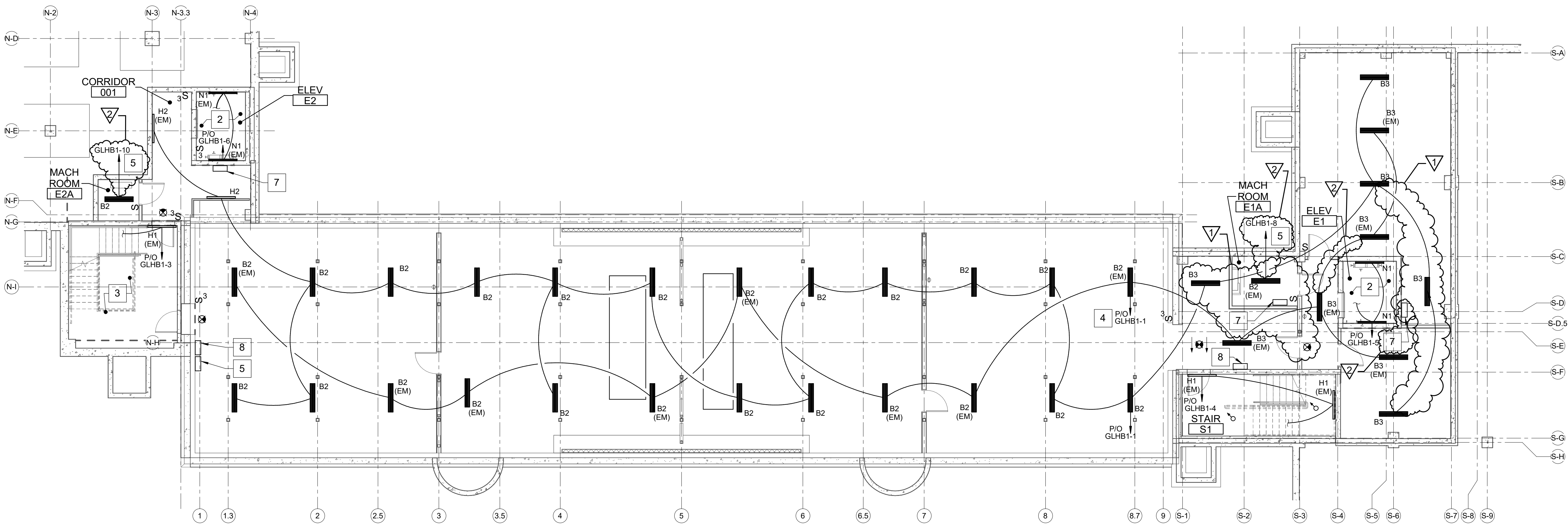
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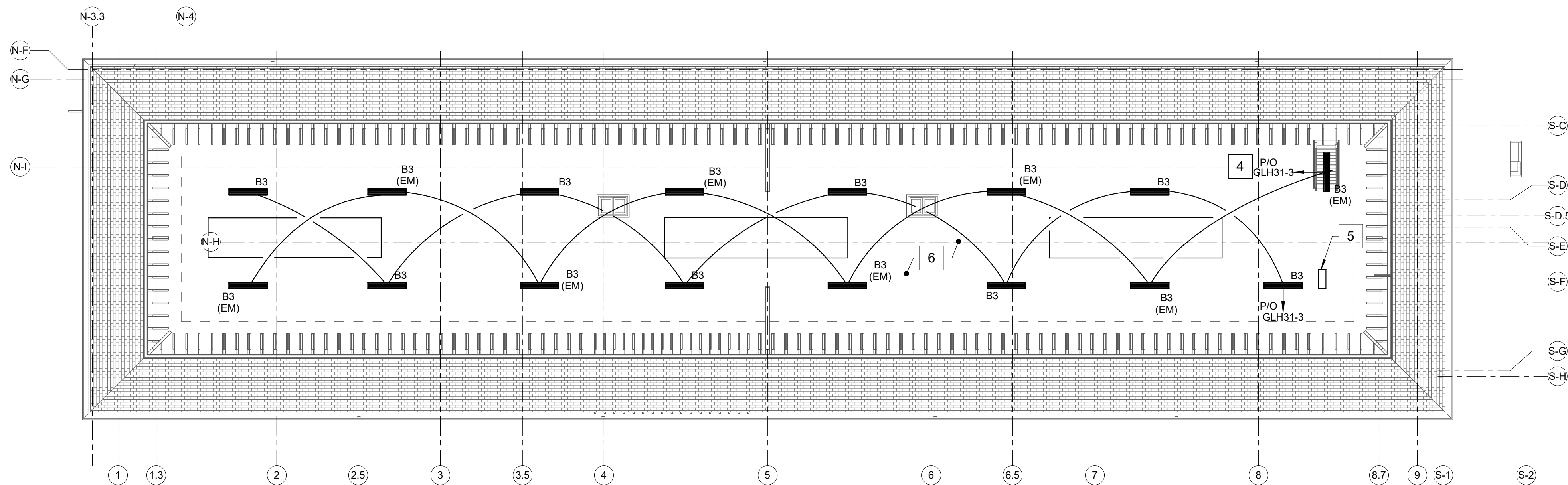
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1 BASEMENT LIGHTING PLAN
EL104 SCALE: 1/8" = 1'-0"



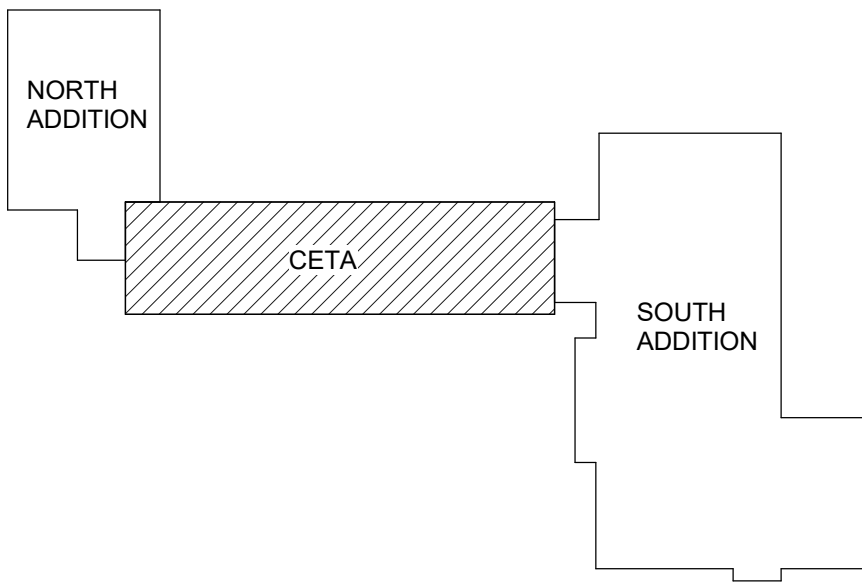
2 ATTIC LIGHTING PLAN
EL104 SCALE: 1/8" = 1'-0"

DRAWING NOTES

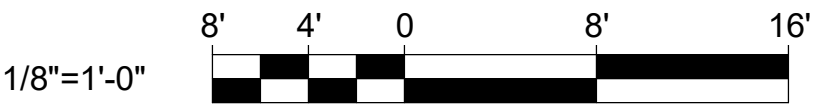
- CONNECT EXIT SIGNS AND EMERGENCY FIXTURES TO LOCAL LIGHTING CIRCUITS AHEAD OF ANY SWITCHES, OCCUPANCY SENSORS, ETC.
- LIGHTING FIXTURES SHALL NOT BE OBSTRUCTED BY EQUIPMENT IN DATA ROOMS OR MECHANICAL SPACES. COORDINATE FINAL LOCATION OF LIGHTING FIXTURES IN DATA ROOMS AND MECHANICAL SPACES WITH OWNER.
- PROVIDE LOW VOLTAGE SWITCHES FOR SPACES WITH VACANCY SENSORS.

DRAWING KEYNOTES

- PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY.
- INSTALL ELEVATOR PIT LIGHT FIXTURES AT 5'-0". COORDINATE LIGHTING FIXTURE AND SWITCH LOCATIONS IN ELEVATOR PIT WITH ELEVATOR RAILS. PROVIDE WEATHERPROOF SWITCH FOR ELEVATOR PIT.
- REFER TO SHEET AE440 AND AE441 FOR STAIRWELL LIGHTING FIXTURE MOUNTING HEIGHTS. CONDUIT IS NOT PERMITTED TO BE ROUTED THROUGH THE STAIR UNLESS IT SERVES A DEVICE ASSOCIATED WITH, OR INSTALLED IN, THE STAIRWELL.
- CONNECT EMERGENCY CIRCUIT TO REMOTE EMERGENCY LIGHTING INVERTER AHEAD OF NORMAL LIGHTING FIXTURES.
- PROVIDE A REMOTE EMERGENCY LIGHTING INVERTER. COORDINATE AND CONFIRM FINAL FIXTURE SELECTION DOES NOT EXCEED THE INVERTERS CAPACITY. BASIS OF DESIGN: ONLINE POWER, POWER WAVE INVERTERS.
- MECHANICAL ATTIC LIGHT SWITCH LOCATED IN PLAN ROOM/PLOTTER 306. REFER TO EL103 FOR EXACT LOCATION.
- PROVIDE A DEDICATED REMOTE EMERGENCY LIGHTING INVERTER FOR ELEVATOR SHAFT LIGHTING. COORDINATE AND CONFIRM FINAL FIXTURE SELECTION DOES NOT EXCEED THE INVERTERS CAPACITY. BASIS OF DESIGN: ONLINE POWER, POWER WAVE INVERTERS.
- PROVIDE A DEDICATED REMOTE EMERGENCY LIGHTING INVERTER FOR STAIRWELL LIGHTING. COORDINATE AND CONFIRM FINAL FIXTURE SELECTION DOES NOT EXCEED THE INVERTERS CAPACITY. BASIS OF DESIGN: ONLINE POWER, POWER WAVE INVERTERS.



GRAPHIC SCALE



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				DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
				TITLE NEW OFFICE HEADQUARTERS	
				LOCATION AUGUSTA, ME	
				TITLE THIS DWG. BASEMENT AND ATTIC LIGHTING PLANS	
				OAK POINT ASSOCIATES	
				DRAWING NO. EL104	
				SHEET NO.	
				227 OF 239	
				231 Main Street, Biddeford, Maine 04005	

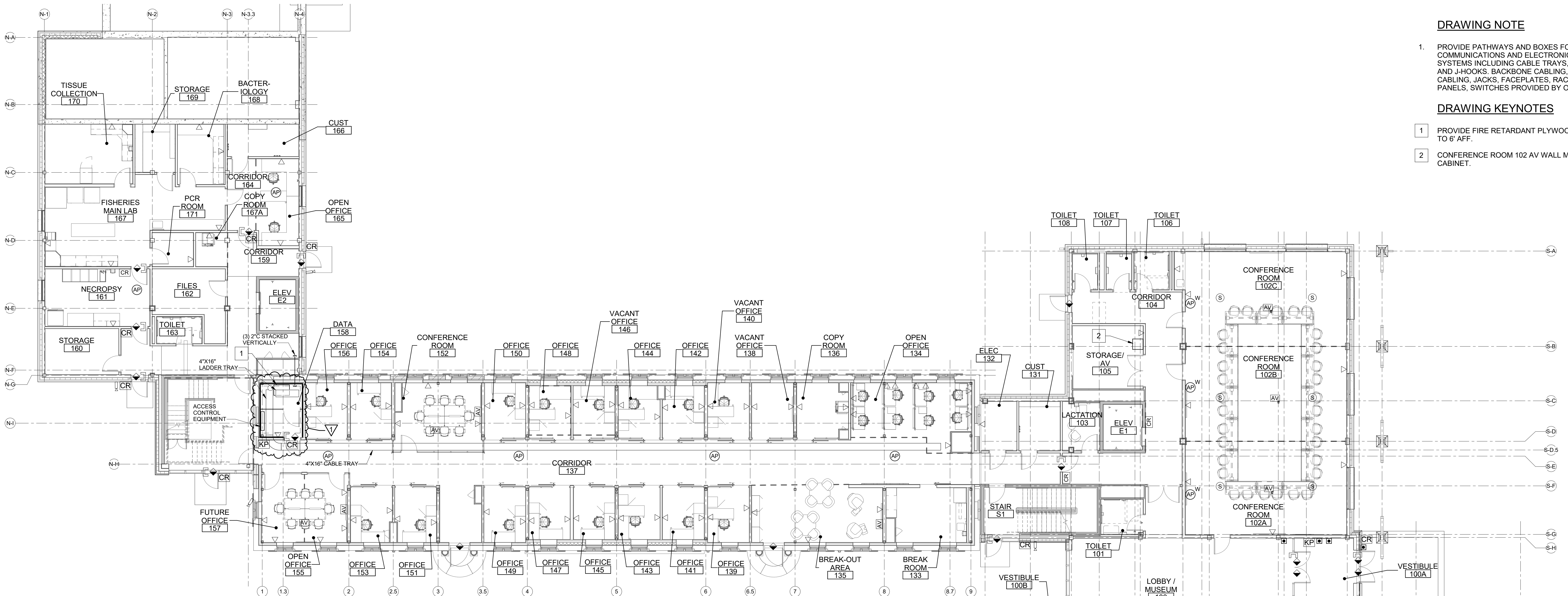
2	03/19/25	ADDENDUM NO.7	DCL	DRAWN BY: RSW
1	03/13/25	ADDENDUM NO.6	DCL	CHECK BY: DCL
NO.	DATE	DESCRIPTION	BY	NO.
REVISIONS				DATE 01/29/2025

DRAWING NOTE

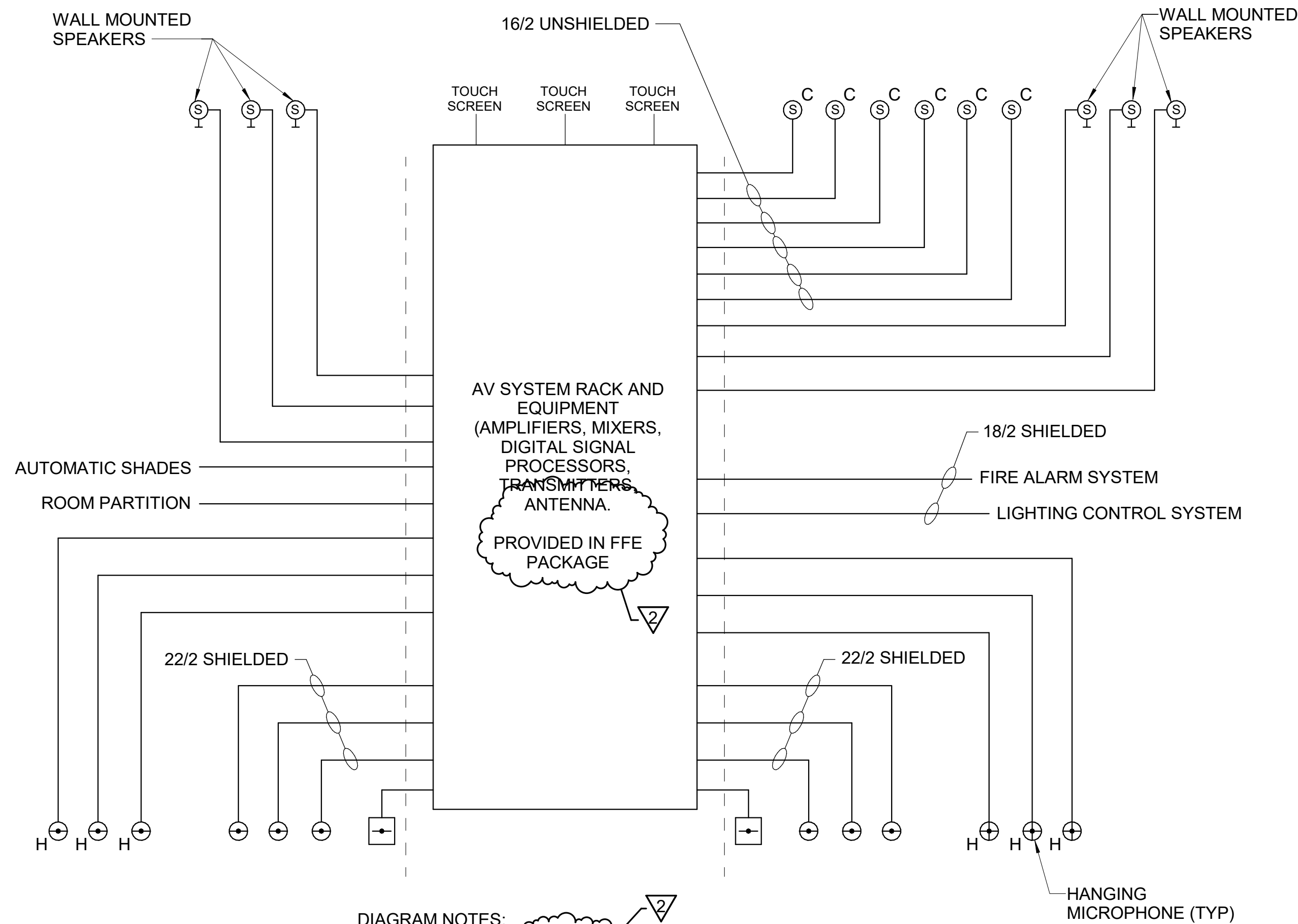
1. PROVIDE PATHWAYS AND BOXES FOR COMMUNICATIONS AND ELECTRONIC SECURITY SYSTEMS INCLUDING CABLE TRAYS, CONDUIT, AND J-HOOKS, BACKBONE CABLING, HORIZONTAL CABLING, JACKS, FACEPLATES, RACKS, PATCH PANELS, SWITCHES PROVIDED BY OTHERS.

DRAWING KEYNOTES

- 1 PROVIDE FIRE RETARDANT PLYWOOD FROM 2' AFF TO 6' AFF.
- 2 CONFERENCE ROOM 102 AV WALL MOUNTED CABINET.

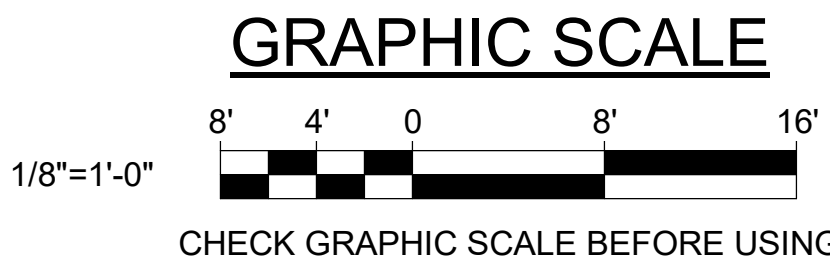
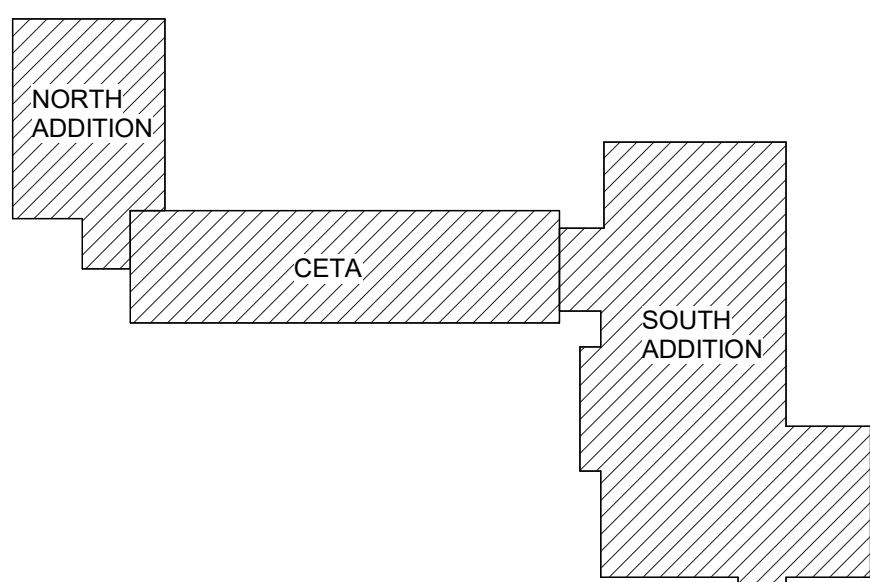


1 FIRST FLOOR TECHNOLOGY PLAN
ET101 SCALE: 1/8" = 1'-0"



- DIAGRAM NOTES:
1. PROVIDE CONDUIT AND BOXES SIZE PER NEC. MINIMUM SIZE MUST BE 1/2".

2 CONFERENCE 102 AV SYSTEM ONE-LINE DIAGRAM
ET101 SCALE: NOT TO SCALE

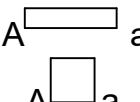
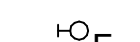
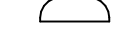


DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
TITLE NEW OFFICE HEADQUARTERS			
LOCATION AUGUSTA, ME			
TITLE THIS DWG. FIRST FLOOR TECHNOLOGY PLAN			
DRAWN BY: RSW			
CHECK BY: DCL			
DATE 01/29/2025			
229 OF 239			

RECEPTACLES

LIGHTING

UPPER CASE SUBSCRIPTS INDICATE FIXTURE TYPES,
REFER TO LIGHTING FIXTURE SCHEDULE

S _{LV}	LOW VOLTAGE LIGHT SWITCH, SPECIFICATION GRADE. LOWER CASE SUBSCRIPT INDICATES CONTROL. BASIS OF DESIGN: HUBBELL NX SWITCH FOR NX CONTROLS, ETC SWITCHES FOR ETC CONTROLS.
S ₃	120V/277V, 20A 3-WAY LIGHT SWITCH, SPECIFICATION GRADE
S	120V/277V, 20A LIGHT SWITCH, SPECIFICATION GRADE
	LED LIGHT FIXTURES LOWER CASE SUBSCRIPTS INDICATE CONTROL  (EM) EMERGENCY FIXTURE
	LED INDUSTRIAL SURFACE MOUNT FIXTURE  (EM) EMERGENCY FIXTURE
	LED LIGHT FIXTURES WITH AC DRIVER AND EMERGENCY BATTERY BACKUP
	LED DOWNLIGHT
	WALL MOUNTED FIXTURE SUBSCRIPT INDICATES FIXTURE TYPE
	OCCUPANCY SENSOR - DUAL TECHNOLOGY SENSORS MUST HAVE CONTACT/RELAY FOR CONNECTION TO HVAC SYSTEM. U = ULTRASONIC V = VACANCY W = WALL VACANCY
	ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE, ARROW INDICATES DIRECTION OF FLOW FOR THE FACE "E" INDICATES EDGE LIT TYPE BLANK INDICATES THERMOPLASTIC TYPE
	EXTERIOR PHOTOCELL
	EMERGENCY INVERTER: BASIS OF DESIGN: LITEGEAR 250

SECURITY

	SECURITY CAMERA JUNCTION BOX WITH 1" CONDUIT BACK TO IT ROOM
	VIDEO CAMERA D = DOME W = WALL MOUNTED
	CARD READER
	KEY PAD
	ELECTRONIC LOCK/ DOOR STRIKE
	MAGNETIC SWITCH
	MOTION DETECTOR
	PUSH BUTTON

	DUPLEX RECEPTACLE, TAMPER RESISTANT, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R
	DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R, SUBSCRIPT "G" INDICATES GROUND FAULT CIRCUIT INTERRUPTER, "WP" INDICATES WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER
	CEILING MOUNTED RECEPTACLE
	SPECIALITY RECEPTACLE - PROVIDE NEMA CONFIGURATION AS REQUIRED.
	DOUBLE DUPLEX RECEPTACLE; TAMPER RESISTANT

FIRE ALARMS

	FIRE ALARM CONTROL PANEL
	FIRE SYSTEM ANNUCIATOR
	HEAT DETECTOR
	SMOKE DETECTOR D = SMOKE DETECTOR
	FLOW SWITCH
	TAMPER SWITCH
	STROBE
	HORN
	HORN WITH STROBE
	75 INDICATES CANDELA RATING "BLANK" INDICATES 15 CANDELA RATING
	MANUAL PULL STATION
	KNOX BOX
	FIRE PROTECTION SYSTEM ALARM BELL
	MASTER BOX
	MAGNETIC DOOR HOLDER
	CARBON MONOXIDE SENSOR
	GAS SHUT-OFF VALVES
	HOOD SUPPRESSION SYSTEM
	ADDRESSABLE INTERFACE MODULE
	REMOTE INDICATOR

GROUNDING

— G —	GROUND WIRE, BARE
⊙	GROUND ROD, COPPER CLAD.
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR

TELEPHONE, DATA AND VIDEO

▷ CATEGORY 6 DUPLEX DATA JACKS
BLANK = 2 JACKS
4 = 4 JACKS

AP DATA JACK FOR WIRELESS INTERNET
ACCESS POINT, CEILING MOUNTED

GENERAL

	MOTOR
	NON-FUSED DISCONNECT SWITCH UNLESS OTHERWISE INDICATED (REFER TO SCHEDULES ON DRAWING EP502).
	FUSED DISCONNECT SWITCH
	TRANSFORMER
	MANUAL STARTER WITH OVERLOADS
	COMBINATION MAGNETIC STARTER
	MAGNETIC STARTER
	JUNCTION BOX F = FLOOR
	BRANCH CIRCUIT HOMERUN. A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER
	PUSHBUTTON STATION - PROVIDE QUANTITY OF BUTTONS REQUIRED
	SURGE PROTECTIVE DEVICE
	PANELBOARD

SINGLE LINE DIAGRAM

	TRANSFORMER
	METER
	GROUND CONNECTION
	CIRCUIT BREAKER, MANUALLY OPERATED

AMP	AMPERE
A3P	AMPERES, 3-POLE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AIC	ARC INTERRUPTING CAPACITY
AIM	ADDRESSABLE INTERFACE MODULE
AJH	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GAUGE
C	CONDUCTOR, CONDUIT
CAT	CATALOG, CATEGORY
CAV	CONSTANT AIR VOLUME
CB	CIRCUIT BREAKER
CEM	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
FE/FEC	FIRE EXTINGUISHER /FIRE EXTINGUISHER CABINET
G	GROUND; GROUND FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
KCMIL	KILO-CIRCULAR MILS
KVA	KILO-VOLT-AMPERE
KW	KILO-WATT
L	LIGHTING LOAD TYPE FOR PANEL SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
M	MOTOR LOAD TYPE FOR PANEL SCHEDULE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUG ONLY
N	NEUTRAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO, #	NUMBER
Ø	PHASE
P	POLE
POE	POWER OVER ETHERNET
P/O	PART OF
R	RECEPTACLE LOAD TYPE FOR PANEL SCHEDULE
REC	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOT
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TGB	TELECOM GROUND BUSBAR
TGMB	TELECOM MAIN GROUND BUSBAR
THHN	HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
THWN	MOISTURE & HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
TPP	TYPICAL
UE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS LABORATORIES
USB	UNIVERSAL SERIAL BUS
V	VOLT
VA	VOLT AMPERE
VAV	VARIABLE AIR VOLUME
W	WATT, WIRE
WI	WITH
WP	WEATHERPROOF

1. ELECTRICAL INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF THE CURRENTLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA AND STATE AND LOCAL CODES.
2. WORK MUST BE COORDINATED WITH ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL AND PLUMBING TRADES.
3. ELECTRICAL EQUIPMENT AND WIRING MUST BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
4. LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL EQUIPMENT MUST BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING WORK TO AVOID INTERFERENCE.
5. A SEPARATE GREEN GROUNDING CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. METAL CONDUIT MUST BE GROUNDED BUT MUST NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
6. CONDUCTORS MUST BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE.
7. CONDUIT MUST BE MINIMUM 1/2" UNLESS OTHERWISE NOTED. COMMUNICATIONS CONDUIT MUST BE MINIMUM 1".
8. UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR EACH 15A 1P, 15A 2P, 20A 1P, 20A 3P BRANCH CIRCUIT SHALL BE 2 #12G, IN 1/2".
9. A SEPARATE NEUTRAL CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. MULTIWIRED CIRCUITS ARE NOT PERMITTED.
10. UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR EACH 15A 3P AND 20A 3P BRANCH CIRCUIT MUST BE 3 #12, 1 # 12G, IN 1/2".
11. DO NOT DRILL THROUGH OR CUT STRUCTURE.
12. SEAL CONDUIT INTERIOR TO PROHIBIT PASSAGE OF MOISTURE. PROVIDE SEALANT PRODUCT INTENDED FOR SUCH USE. PROVIDE AT CONDUITS PENETRATING FOUNDATION WALLS, EXTERIOR WALLS, COLD ATTICS, KITCHEN REFRIGERATION WALL PENETRATIONS, ETC. BASIS OF DESIGN: AMERICAN POLYWATER FST.
13. DO NOT COMBINE FEEDERS AND DEDICATED HOMERUNS WITH OTHER FEEDERS OR DEDICATED HOMERUNS.

MOUNTING HEIGHT SCHEDULE

(UNLESS NOTED OTHERWISE)

1. RECEPTACLES AND TELECOMMUNICATIONS OUTLETS 18" UNLES NOTED OTHERWISE.
2. RECEPTACLES AND TELECOMMUNICATIONS OUTLETS AT COUNTERS: 6" ABOVE COUNTER TOP/BACKSPLASH.
3. SWITCHES 48".
4. MANUAL PULL STATIONS: 48"
5. FIRE ALARM STROBES: 80"
6. RECEPTACLES IN BATHROOMS: 48" ADJACENT TO SINK, HAND DRYER, ETC. 48".

WIRE SIZE	HOME RUNS (20A CIRCUIT) MAXIMUM DISTANCE IN FEET			
	120V	208V	277V	480V
#12	60'	100'	140'	240'
#10	100'	160'	220'	360'
#8	150'	250'	325'	550'
#6	240'	400'	500'	800'

EQUIVALENT CONDUCTOR SIZES SCHEDULE (FEEDERS ONLY)	
COPPER	ALUMINUM
1/0	3/0
2/0	4/0
3/0	250 KCMIL
4/0	300 KCMIL
250 KCMIL	400 KCMIL
350 KCMIL	500 KCMIL
500 KCMIL	750 KCMIL
NOTE: CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE COPPER. INCREASE CONDUIT SIZE AS NEEDED IN ACCORDANCE WITH THE NEC IF ALUMINUM CONDUCTORS ARE USED.	

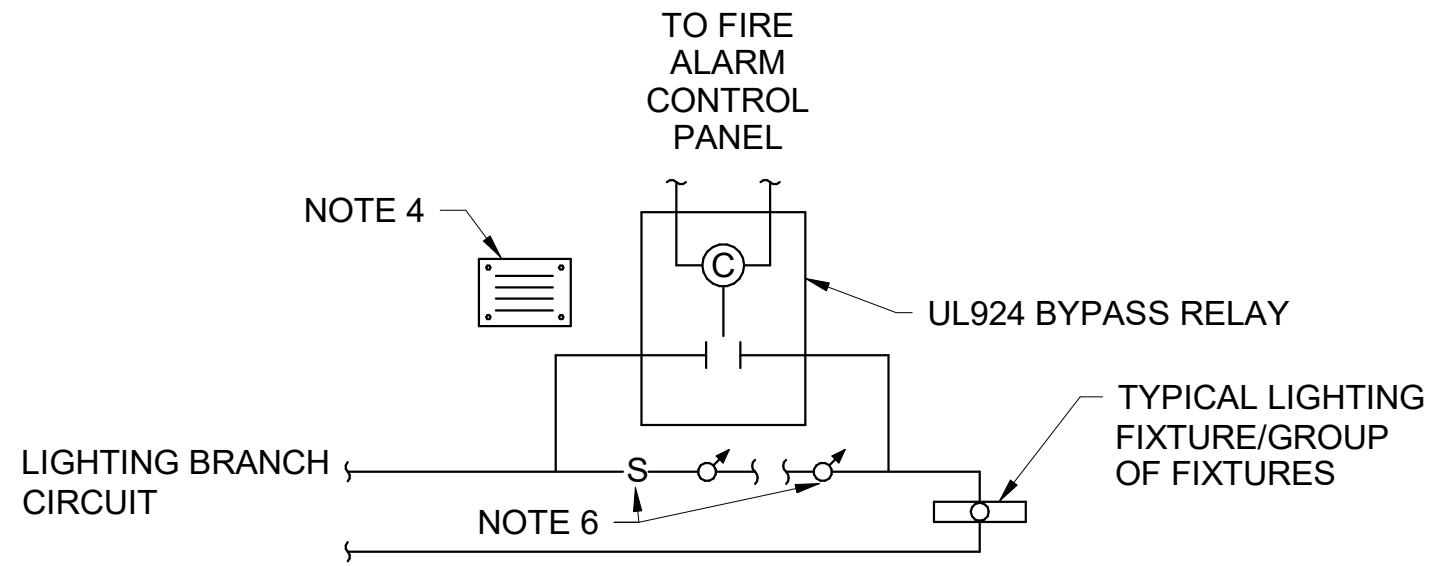
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DRAWING NOTES

1. PROVIDE BACNET INTERFACE DEVICE SO BAS SYSTEM CAN MONITOR THE STATE OF EACH SENSOR.
2. EMERGENCY LIGHTS MUST DIM TO 50% AFTER HOURS DURING UNOCCUPIED CONDITIONS.
3. CONNECT TO EXIT SIGNS AND EMERGENCY FIXTURE TO LOCAL LIGHTING CIRCUITS AHEAD OF ANY SWITCHES OCCUPANCY SENSORS, ETC.

DRAWING KEYNOTES

- 1 PROVIDE A REMOTE EMERGENCY LIGHTING INVERTER. COORDINATE AND CONFIRM FINAL FIXTURE SELECTION DOES NOT EXCEED THE INVERTERS CAPACITY. BASIS OF DESIGN: ONLINE POWER, POWER WAVE INVERTERS.

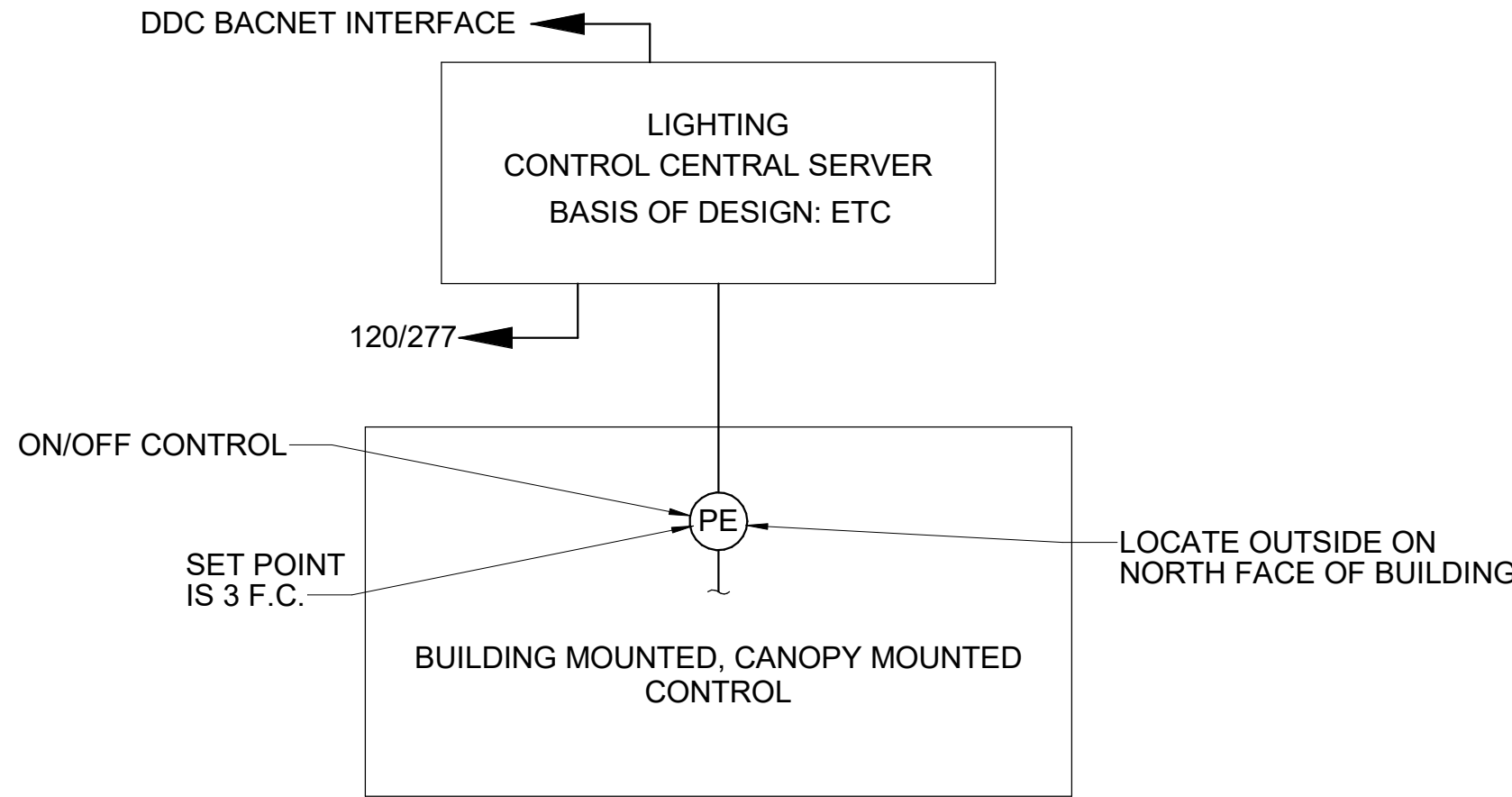


LIGHTING BYPASS CONTROL DIAGRAM NOTES:

1. PROVIDE 120V AC BYPASS RELAY WITH MINIMUM 20 AMP, 120V RATED NORMALLY OPEN AND NORMALLY CLOSED CONTACTS. NORMALLY CLOSED BYPASS RELAY CONTACTS MUST BE HELD OPEN BY 120 VOLT POWER. NORMALLY CLOSED CONTACT MUST CLOSE WHEN FIRE ALARM/MASS COMMUNICATION SYSTEM IS IN ALARM AND MUST BYPASS THE LIGHTING SWITCHES, CONTROLS AND OCCUPANCY/VACANCY SENSORS.
2. BYPASS RELAY MUST BE UL LISTED FOR EMERGENCY LIGHTING CONTROL USE.
3. PROVIDE ONE RELAY PER SEPARATELY CONTROLLED LIGHTING GROUP/CIRCUIT IN EACH AREA INDICATED AND ALONG PATHS OF EGRESS.
4. PROVIDE ENGRAVED INFORMATIONAL SIGN TO LABEL BYPASS RELAY WITH CIRCUIT NUMBER, FIRE ALARM CONTROL MODULE ADDRESS AND LIGHTING AREA SERVED. INDICATE RELAY LOCATIONS ON RECORD DRAWINGS. INCLUDE A LISTING OF BYPASS RELAYS WITH FIRE ALARM INFORMATION, CONTROL CIRCUIT, AND AREA CONTROLLED IN TABLE FORMAT AND INCLUDE TABLE IN OPERATION AND MAINTENANCE MANUAL.
5. COORDINATE WORK, INCLUDING LOCATIONS OF LIGHTING BYPASS RELAYS, WITH FIRE ALARM INSTALLER.
6. SINGLE POLE SWITCH AND LINE VOLTAGE MOTION SENSORS SHOWN. DETAIL ALSO APPLIES WHERE S₃ AND S₄ SWITCHES OR LOW VOLTAGE CONTROLS ARE INDICATED.
7. PROVIDE FOR PATH OF EGRESS AREAS, TO INCLUDE CORRIDORS AND EXITS AND TOILET ROOMS.
8. INSTALL BYPASS RELAY ABOVE SUSPENDED/ACCESSIBLE CEILING IN AN ACCESSIBLE LOCATION WITHIN THE ROOM CONTROLLED, IN AN ADJACENT ELECTRICAL ROOM, ADJACENT TO THE ASSOCIATED LIGHTING CONTROL PANEL, OR AS INDICATED. WHERE AN ACCESSIBLE LOCATION IS NOT PRESENT IN THE AREA BEING CONTROLLED, INSTALL RELAY ABOVE SUSPENDED CEILINGS IN AN ACCESSIBLE LOCATION IN AN ADJACENT SPACE AND LABEL. INDICATE RELAY LOCATIONS ON THE AS-BUILT DRAWINGS.
9. COORDINATE WITH FIRE ALARM INSTALLER. PROVIDE TESTING OF EACH RELAY. DOCUMENT TEST RESULTS ON RELAY SUMMARY TABLE.

5 LIGHTING BYPASS CONTROL DIAGRAM

EL101 SCALE: NOT TO SCALE



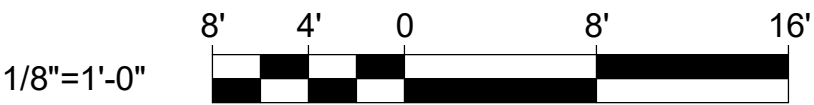
TYPICAL LIGHTING CONTROLS DIAGRAM NOTES:

1. WIRING, COMPONENTS AND INSTALLATION REQUIREMENTS WILL VARY DEPENDING ON SYSTEM.
2. LIGHTING MUST BE CONTROLLED (ON/OFF) VIA LIGHTING CONTROL SYSTEM FOR NORMAL HOURS. OCCUPANCY SENSORS AND PHOTOCELLS MUST TRIGGER 20 MIN TEMPORARY OVERRIDE DURING HOUR SERVICE.
3. INSTALLATION OF PHOTOCELLS, OCCUPANCY SENSORS, WIRING, ETC. MUST BE PER MANUFACTURERS RECOMMENDATIONS.
4. TIME SCHEDULES MUST BE COORDINATED WITH OWNER AT STARTUP.
5. CONTROL WIRING MUST BE PER MANUFACTURERS RECOMMENDATION.
6. OCCUPANCY SENSORS PROVIDE AUTO ON/OFF WITH 20 MIN TIME DELAY DURING AFTER HOUR SERVICE.
7. LOSS OF POWER MUST TURN ALL RELAYS ON.
8. DIAGRAM INDICATES CONTROL DEVICES AND WIRING ONLY. REFER TO LIGHTING DRAWINGS FOR BRANCH CIRCUITS.
9. PROVIDE NUMBER OF CONTROL PANELS FOR COMPLETE COVERAGE.
10. THE LIGHTING CONTROL SYSTEM MUST BE ACCESSIBLE VIA A WEB BASED GRAPHICAL USER INTERFACE.
11. CONTROLLER MUST HAVE VOLTAGE DIVIDER FOR NORMAL AND EMERGENCY CIRCUITS.
12. PROVIDE BACNET INTERFACE DEVICE SO BAS SYSTEM CAN MONITOR THE STATE OF EACH SENSOR.
13. CONTROLLER MUST HAVE NETWORK JACK FOR FUTURE NETWORK CONNECTION.

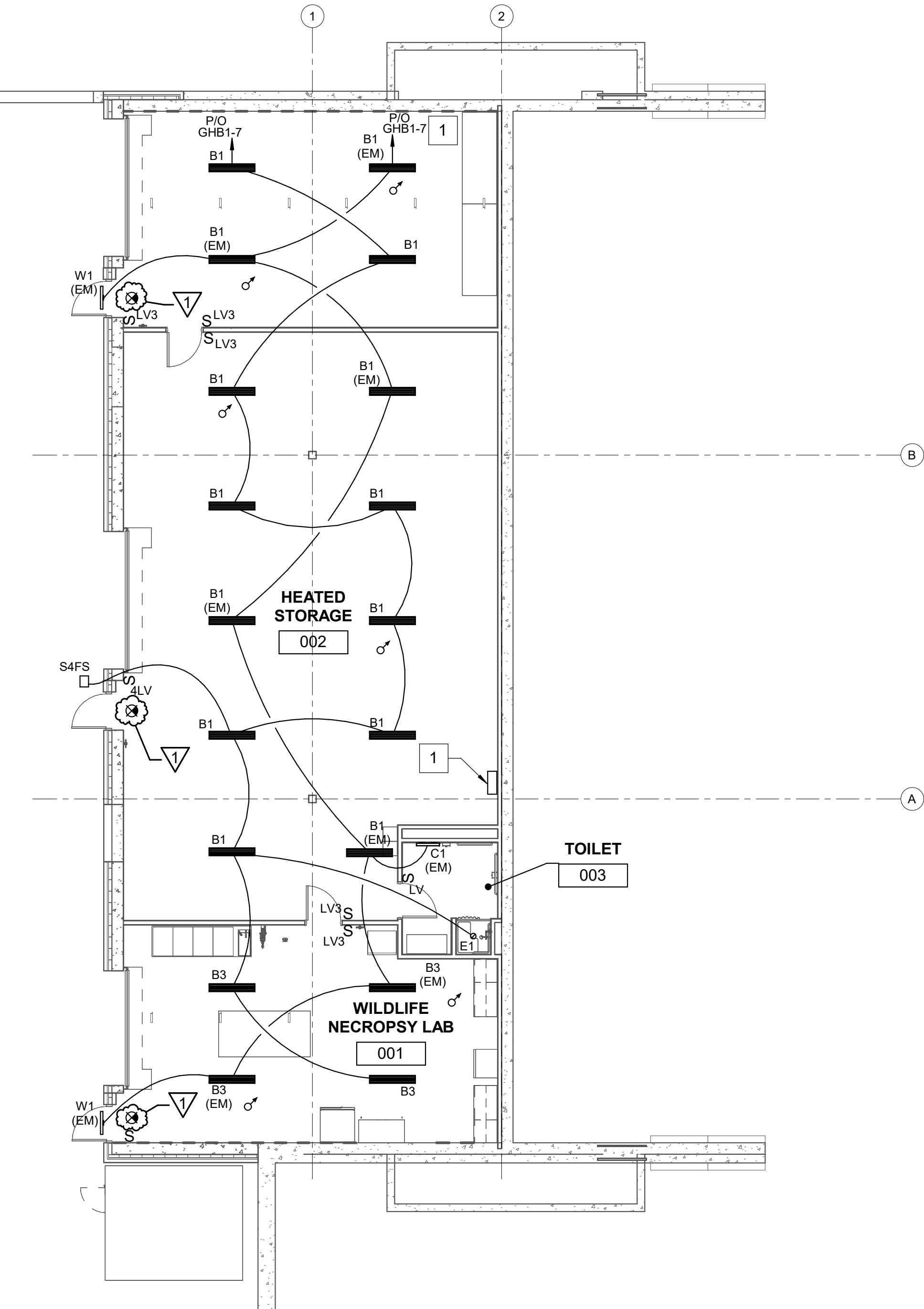
4 TYPICAL LIGHTING CONTROLS DIAGRAM

EL101 SCALE: NOT TO SCALE

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

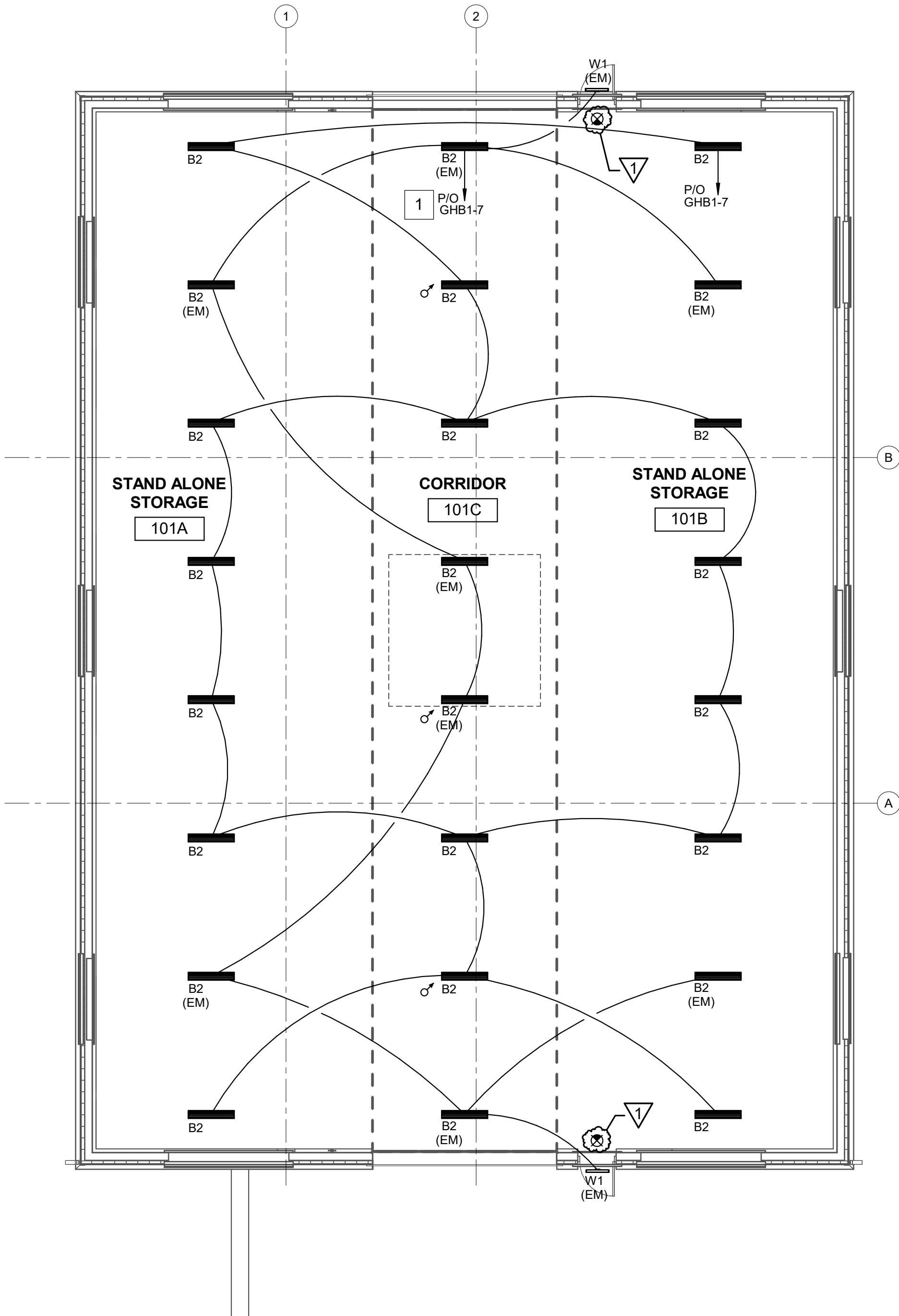


1 BASEMENT FLOOR LIGHTING PLAN

EL101 SCALE: 1/8" = 1'-0"



PLAN NORTH



2 FIRST FLOOR LIGHTING PLAN

EL101 SCALE: 1/8" = 1'-0"



PLAN NORTH

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	SOURCE	LUMENS	VOLTS	W/V/A	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
B1	LOW PROFILE WRAPAROUND	LED	2368	277	18.8	SURFACE/CHAIN	1,2	COLUMBIA	LAW4-35XW-EU
B2	LOW PROFILE WRAPAROUND	LED	3292	277	26.6	SURFACE/CHAIN	1,2	COLUMBIA	LAW4-35VW-EU
B3	LOW PROFILE WRAPAROUND	LED	4405	277	37.4	SURFACE/CHAIN	1,2	COLUMBIA	LAW4-35LW-EU
C1	2"x4" WALL DIRECT/INDIRECT	LED	4001	277	33	WALL	1	LITE CONTROL	2L-W-ID-LPAD-2-SOF-C1-35K-1030-D070-D01-1C-UNV-(EF)
E1	SHOWER LIGHT	LED	614 4432	277	7.3	RECESSED	1,5	PRESCOLITE	LFR-6RD-M-10L35K8-DM1 WITH LFR-6RD-T-SH-WTGM
S4FS	SITE LIGHT - TYPE 4 FORWARD THROW	LED		277	33.2	WALL	4,6	LITHONIA	DSX0-LED-P1-40K-80CRI-TFTM
W1	SURFACE MOUNT EXTERIOR	LED	600	277	8	SURFACE MOUNT	1,2,4,6	KIM	RN-D-2-3-K8-SM-DL-UNV-W
EXIT SIGNS	EXIT SIGNS - THERMOPLASTIC TYPE	LED	-	277	3.3	RECESSED/SURFACE	1	DUAL LITE	EVEURWE

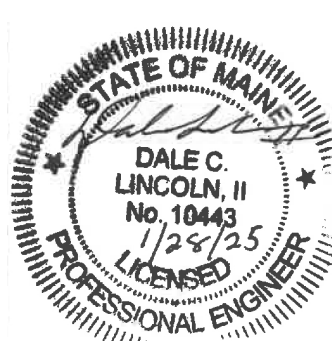
FIXTURE SCHEDULE NOTES

1. COORDINATE MOUNTING TYPE (GRID (SAT), FLANGE (GYPSUM), OR SURFACE/SUSPENDED (NO CEILING) WITH CEILING/WALL/FLOOR TYPE.
2. VERIFY MOUNTING WITH ARCHITECT BEFORE INSTALLATION OF WIRE, CONDUIT AND JUNCTION BOXES.
3. VERIFY ACTUAL LENGTH OF CONTINUOUS ROWS AS SHOWN ON LIGHTING PLANS.
4. FINAL COLOR SELECTION MUST BE MADE BY ARCHITECT FROM MANUFACTURER'S SUBMITTALS.
5. PROVIDE ACCESSORIES FOR SHOWER APPLICATIONS, WHERE REQUIRED.
6. EXTERIOR FIXTURES MUST BE CONTROLLED BY EXTERIOR PHOTOCELL AND PROGRAMMABLE TIMECLOCK VIA THE LIGHTING CONTROL SYSTEM. LIGHTING CONTROL SYSTEM MUST INTERFACE WITH THE DDC SYSTEM VIA THE DDC BACNET INTERFACE. SEE DETAIL 6/EL701.

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE STORAGE BARN
LOCATION AUGUSTA, ME

TITLE THIS DWG. BASEMENT, FIRST FLOOR, AND CUPOLA LIGHTING PLANS



DRAWN BY: RSW

CHECK BY: DCL

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BY DCL

DATE 01/29/2025

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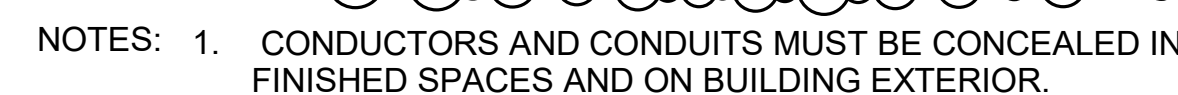
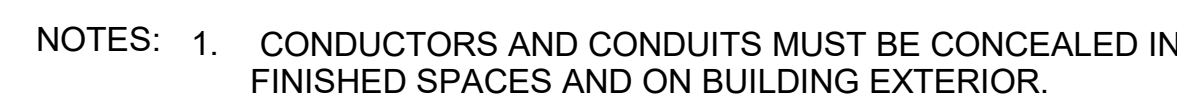
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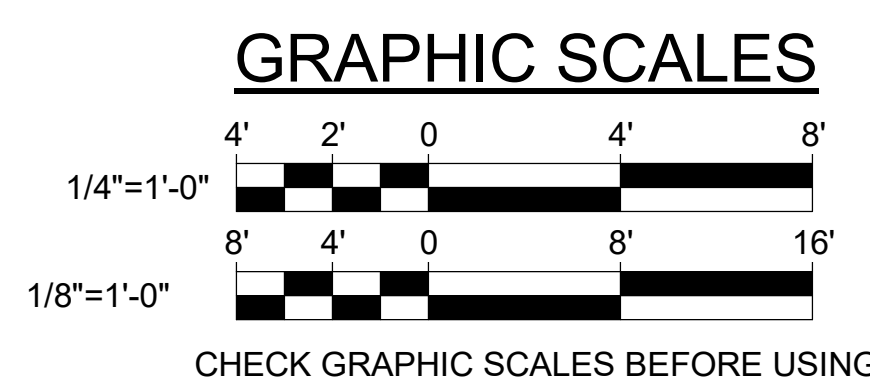
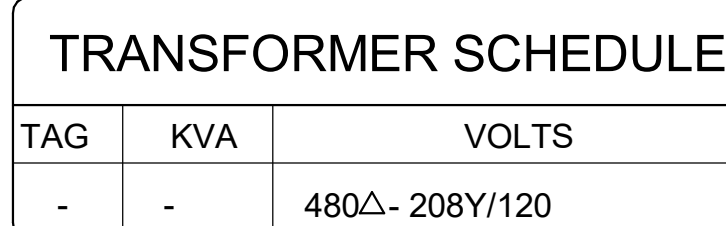
- 1 PROVIDE SURGE PROTECTION. SPD MUST COMPLY WITH REQUIREMENTS OF UL MASTER LABEL LIGHTNING PROTECTION SYSTEM, TYPE 1 SPD.
- 2 PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
- 3 AC-1 POWERED BY OUTDOOR UNIT CU-1.
- 4 PROVIDE GFCI CIRCUIT BREAKER.
- 5 FOR WATER COOLER.
- 6 PROVIDE CIRCUIT FOR FIRE ALARM CONTROL PANEL. COORDINATE LOCATION IN THE FIELD.
- 7 PROVIDE CIRCUIT FOR ACCESS CONTROL EQUIPMENT. COORDINATE LOCATION IN THE FIELD.
- 8 PROVIDE 1" CONDUIT TO PANELBOARD GHB1 FOR FUTURE WALK-IN FREEZER.
- 9 CIRCUIT BREAKER MUST BE RED AND EQUIPPED WITH A LISTED, LOCKING BREAKER HANDLE CLAMP. MARK BREAKER "FIRE ALARM DISCONNECT".
- 10 PROVIDE GROUNDING ELECTRODE SYSTEM IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).

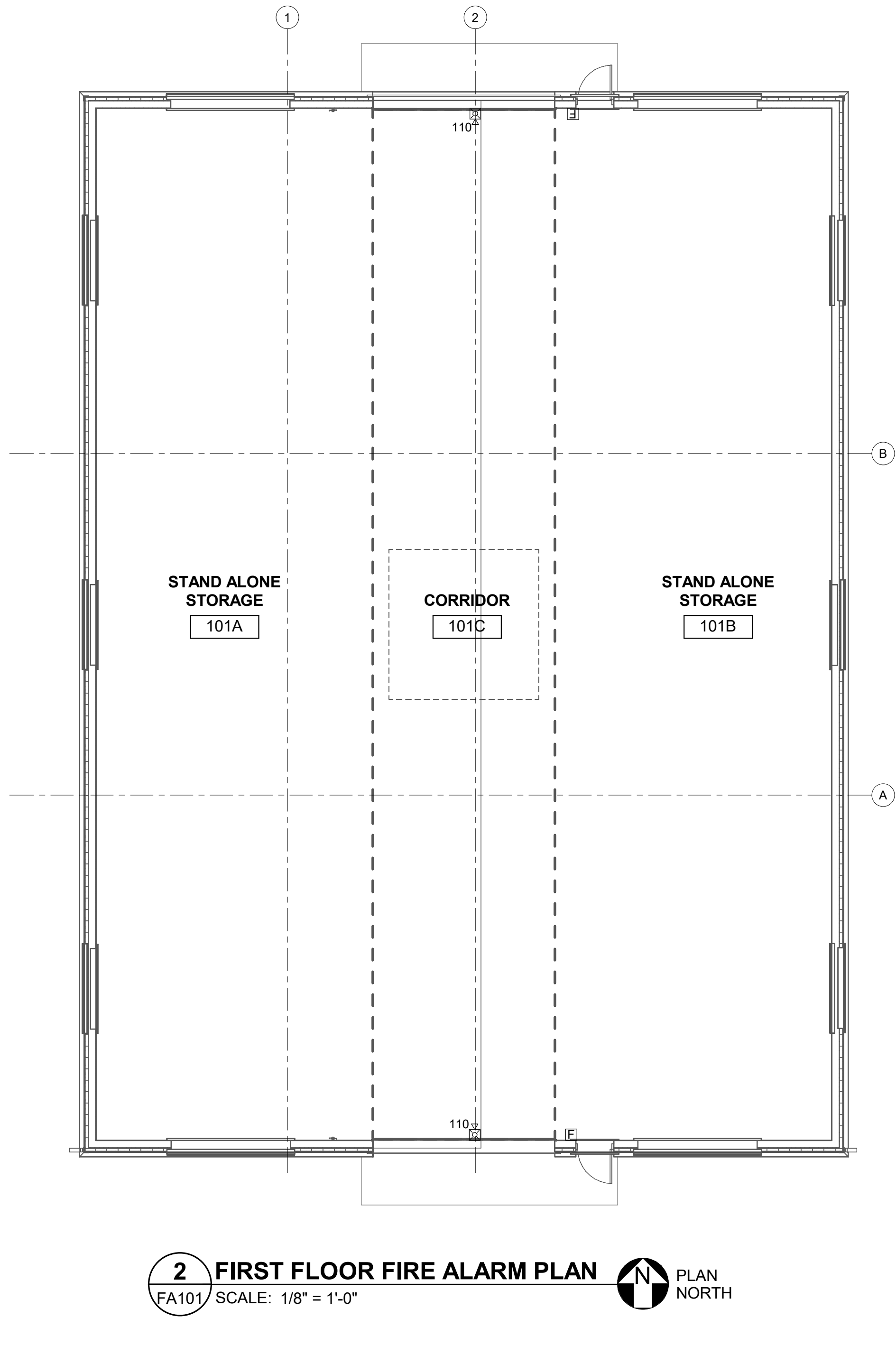
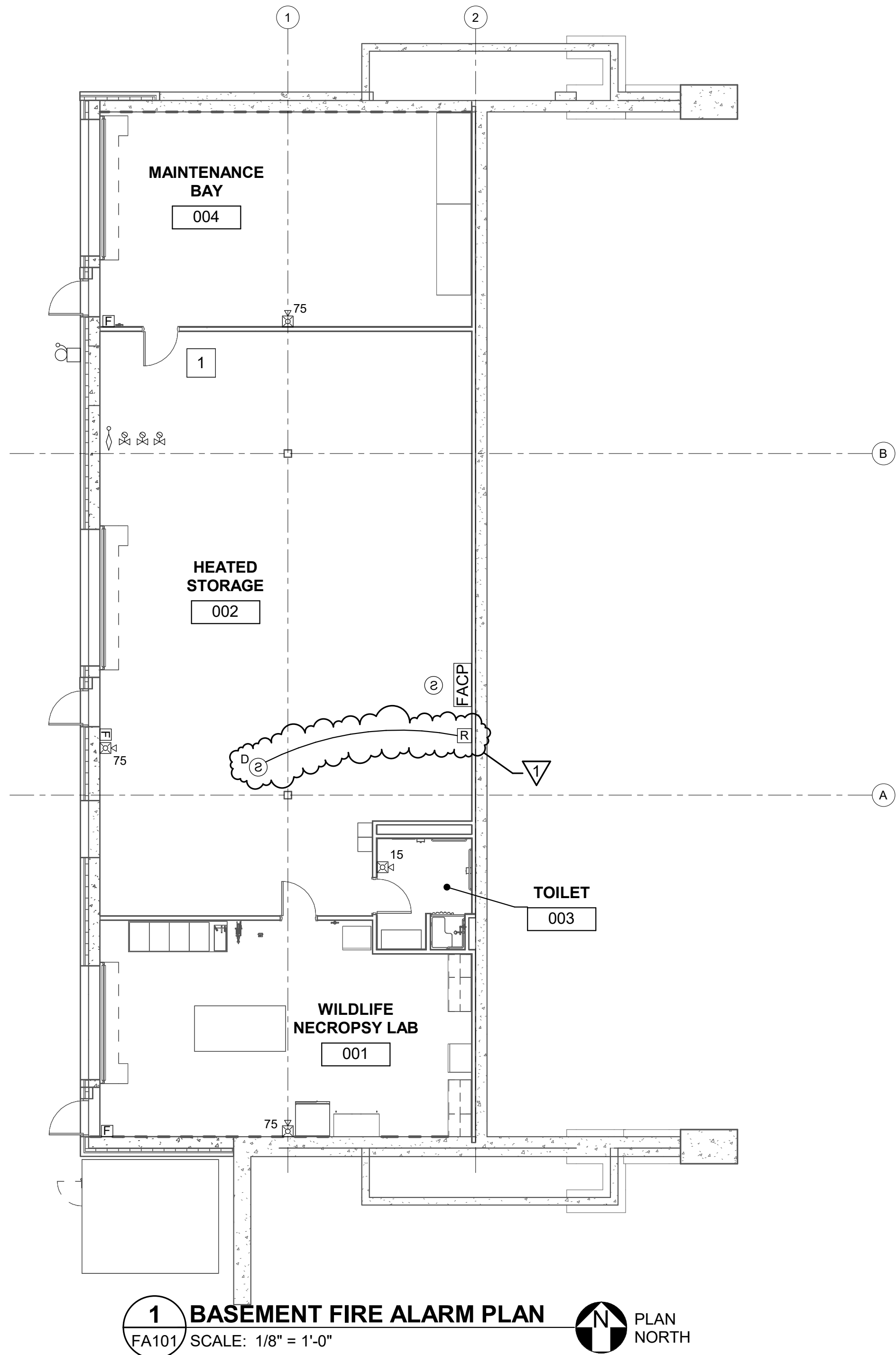


11	REC - STAND ALONE 101B SE	20	A	1		3		4.5		4.5		3	1	20	A	REC - STAND ALONE 101B EAST	12
12	REC - STAND ALONE 101B NE	20	A	1	4.5					4.5		3	1	20	A	REC - STAND ALONE 101B EAST	14
15	REC - WILDLIFE LAB NORTH WALL	20	A	1		3				3		1	1	20	A	REC - WILDLIFE LAB NORTH 001	16
17	REC - WILDLIFE LAB SOUTH 001	20	A	1				1.5				6	1	20	A	REC - HOOD	18
19	REC - HOOD	20	A	1	6				1.5			3	1	20	A	REC - FIRST FLR EXTERIOR	20
21	REC - FRIDGE FREEZER COMBO	20	A	1		12					3	1	1	20	A	REC - WILDLIFE LAB SOUTHEAST	22
23	REC - WILDLIFE LAB EAST	20	A	1			3					3	1	20	A	REC - WILDLIFE LAB 001 EAST	24
25	REC - LIGHT AND CORD REEL	20	A	1	1.5					22			1	30	A	WH-1	26
27	REC - IT RACK Q-30	30	A	1		12				22			2	30	A	WH-1	28
28	REC - IT NEIMA 5-30	30	A	1				24				16	2	30	A	AC-1/CU-1	30
31	ELECTRIC WATER COOLER	15	A	1		3				16							32
33	FIRE ALARM CONTROL PANEL	20	A	1			7				6			20	A	NETWORK CABINET	34
35	ACCESS CONTROL EQUIPMENT	20	A	1				5				24	1	30	A	NETWORK CABINET	36
39																	40
41																	42

Total Load: 8272 VA 9790 VA 11440 VA
Total Amps: 68.9 83.5 97.3

3	--	--	20 A	--	28.9	0	--	20 A	WALK-IN REFRIG (STORE)	4		
5	--	--	--	--	36.2	42.1	0	--	--	4		
7	LG - BARN	20 A	1.8	--	--	--	0	3	15 A	EUH-1	8	
9	EDH-1	100 A	3	78.2	--	--	9	--	--	--	10	
11	--	--	--	--	78.2	--	9	9	--	--	12	
13	--	--	--	--	--	--	--	3	15 A	EUH-2	14	
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17	--	--	--	--	--	--	9	9	--	--	18	
19	--	--	--	--	--	--	--	3	15 A	EUH-3	20	
21	--	--	--	--	--	--	9	--	--	--	22	
23	--	--	--	--	--	--	--	9	--	--	24	
25	--	--	--	--	--	--	9	--	3	15 A	EUH-4	26
27	--	--	--	--	--	--	9	--	--	--	28	
29	--	--	--	--	--	--	--	9	--	--	30	
31	--	--	--	--	--	6.5	--	3	15 A	ERV-1	32	
33	--	--	--	--	--	6.5	--	--	--	--	34	
35	--	--	--	--	--	--	6.5	--	--	--	36	
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39	--	--	--	--	--	--	--	--	--	--	40	
41	--	--	--	--	--	--	--	--	--	--	42	
Total Load:		42147 VA	43168 VA	44818 VA								
Total Amps:		152.2	156.4	162.4								

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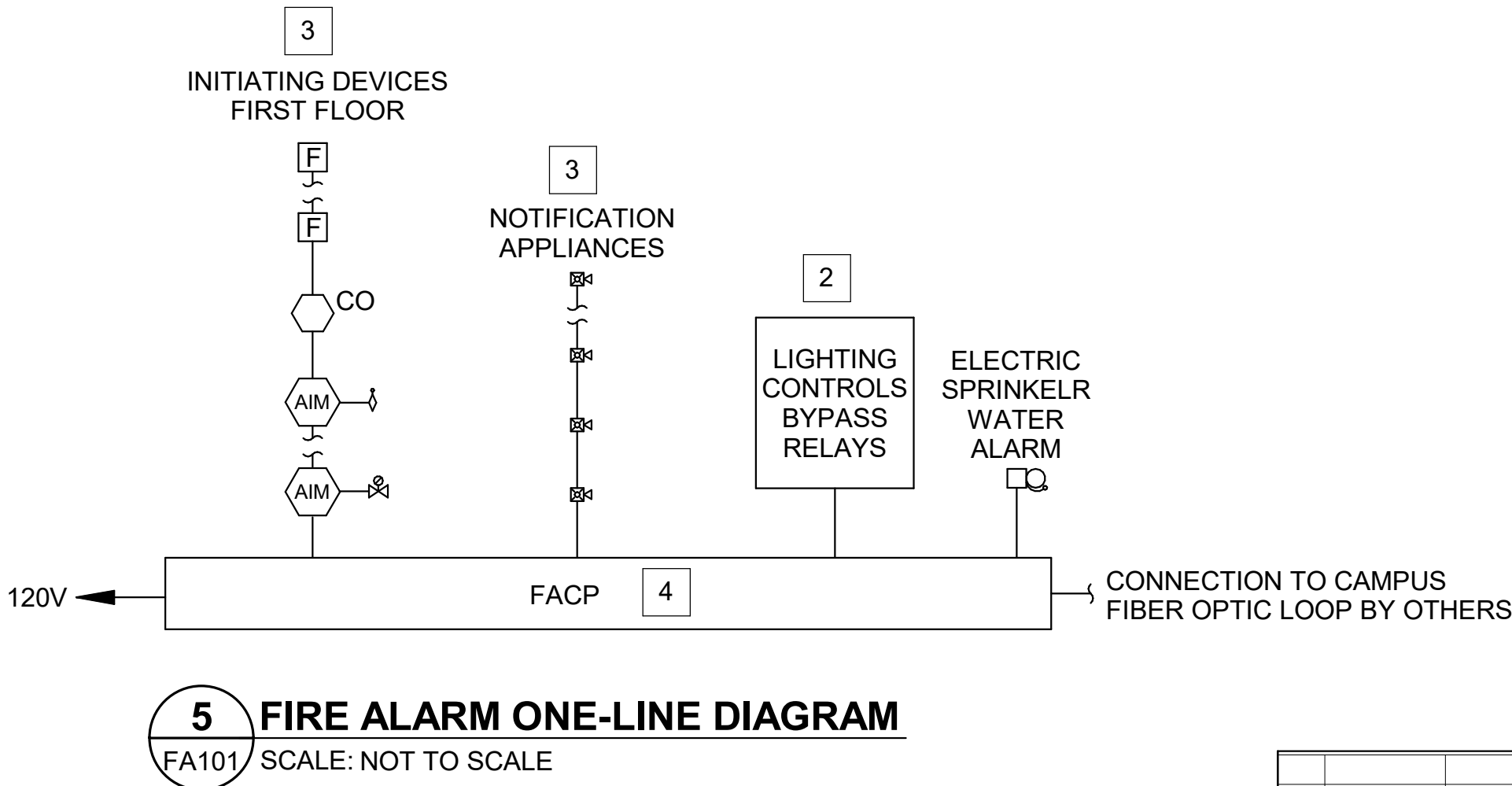
DRAWING NOTES

1. DEVICE BOXES AND PATHWAYS MUST BE CONCEALED IN FINISHED SPACES.
2. REFER TO SHEET E-001 FOR SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
3. INITIATING CIRCUITS AND NOTIFICATION CIRCUITS MUST NOT BE LOADED MORE THAN 75% OF THEIR RATED CAPACITY. THE FIRE ALARM SYSTEM INSTALLING CONTRACTOR MUST VERIFY COMPLIANCE WITH THIS REQUIREMENT AND MUST FURNISH AND INSTALL ADDITIONAL CIRCUITS AND EXTENDER PANELS TO COMPLY. EACH EXTENDER PANEL MUST HAVE A SMOKE DETECTOR PROVIDED AT THE CEILING ABOVE THE PANEL. EXTENDER PANELS MUST BE LOCATED IN UTILITY ROOMS.
4. FIRE ALARM RISER DIAGRAM IS SHOWN FOR REFERENCE ONLY. DEVICE LOCATIONS AND QUANTITIES MUST BE AS SHOWN ON THE SHOP DRAWINGS. ADDITIONAL DEVICES AND EQUIPMENT BEYOND THOSE SHOWN MUST BE PROVIDED AT NO ADDITIONAL COST TO MEET THE REQUIREMENTS OF NFPA 101, NFPA 13, AND NFPA 72.

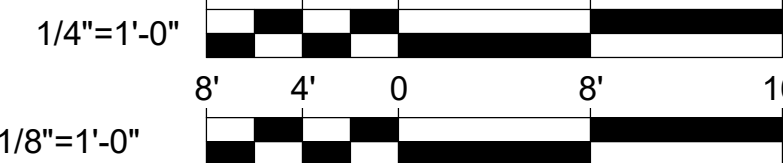
DRAWING KEYNOTES

1. PROVIDE CO DETECTORS.
2. PROVIDE ADDRESSABLE INTERFACE DEVICE AND PROGRAMMING FOR CONTROL OF LIGHTING CONTROLS BYPASS RELAYS. REFER TO DETAIL 5.101.
3. PROVIDE NUMBER OF CIRCUITS REQUIRED FOR THE LOAD.
4. PROVIDE QUANTITY OF DEVICES AND CIRCUITS SHOWN ON SHOP DRAWINGS.

SYSTEM INPUTS												SYSTEM OUTPUTS																																																																																																																																																																																					
	A	B	C	D	E	F	G	H	I	J		TRANSMIT ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTUATE ALARM SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE SUPERVISORY SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP	ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR 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GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

DEPARTMENT OF INLAND FISHERIES & WILDLIFE				DRAWING NO. FA101			
TITLE: STORAGE BARN				DRAWN BY: BPD			
LOCATION: AUGUSTA, ME				CHECK BY: DCL			
TITLE THIS DWG: BASEMENT, FIRST FLOOR, AND CUPOLA FIRE ALARM PLANS				DATE: 01/29/2025			
231 Main Street, Biddeford, Maine 04005				207.203.9190			