

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.

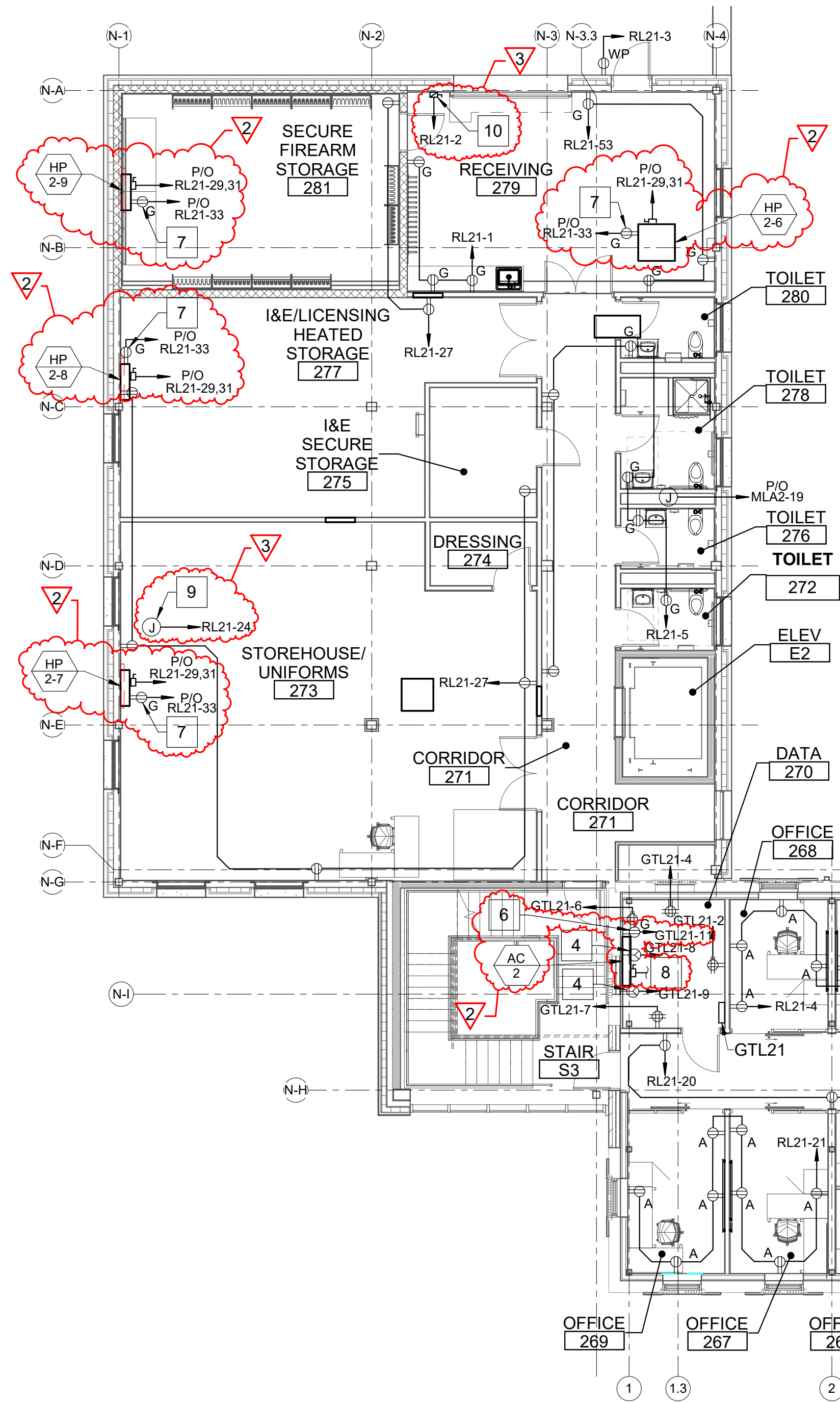
- 1 PROVIDE JUNCTION BOX FOR WHIP TO POWER CUBICLE FURNITURE.
- 2 120V POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER/24V POWER SUPPLY.
- 3 120V POWER FOR AUTOMATIC VALVES AND AUTOMATIC POWER DISPENSERS. FIELD COORDINATE FINAL LOCATION.
- 4 PROVIDE LS-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.



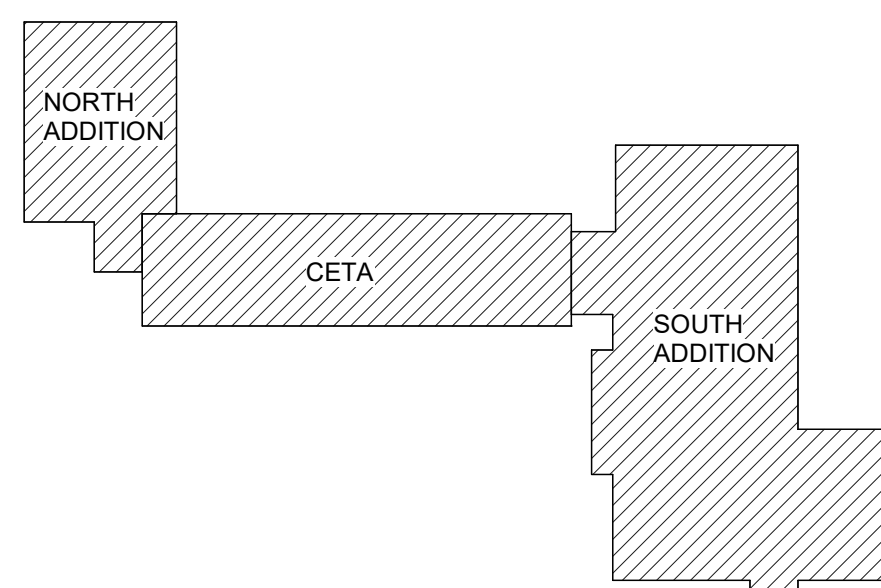
3#6, #10G, 3/4" C



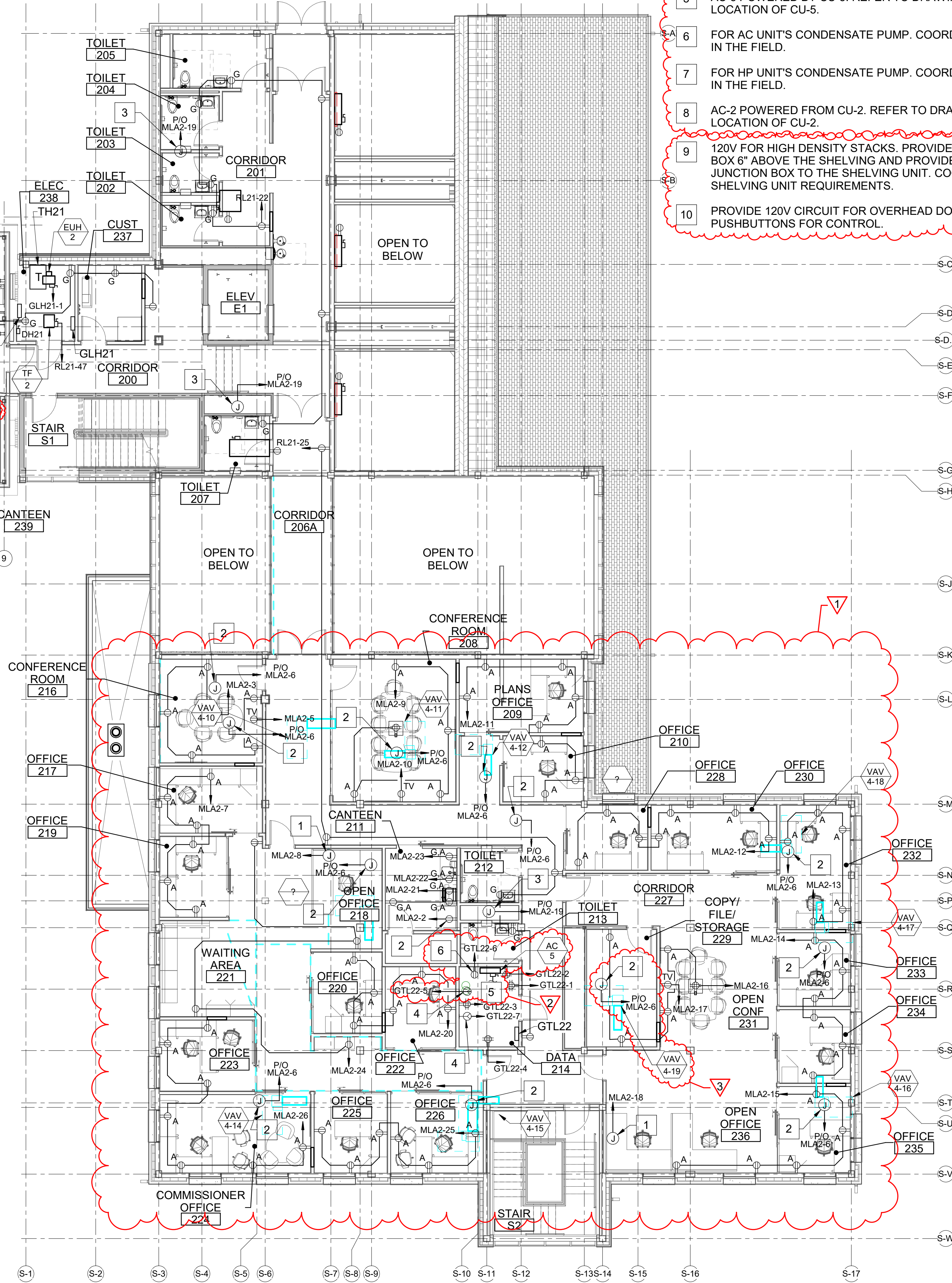
STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/24/25
LICENSED
PROFESSIONAL ENGINEER



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



KEYPLAN
NOT TO SCALE
PLAN NORTH



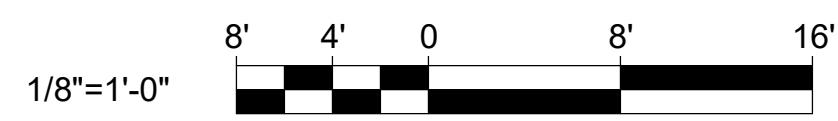
DRAWING NOTE

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.

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

				DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
DALE C. LINCOLN No. 10463 12/24/25 LICENSED PROFESSIONAL ENGINEER				TITLE: NEW OFFICE HEADQUARTERS	
				LOCATION: AUGUSTA, ME	
				TITLE THIS DWS: SECOND FLOOR POWER PLAN	
				OAK POINT ASSOCIATES	
				DRAWING NO. EP102	
				SHEET NO.	
				214 OF 239	

3	03/13/25	ADDENDUM NO.6	DCL	DRAWN BY: RSW	DATE: 01/29/2025
2	03/06/25	ADDENDUM NO.5	DCL	CHECK BY: DCL	
1	02/28/25	ADDENDUM NO.3	MHL		
NO.	DATE	DESCRIPTION	BY		

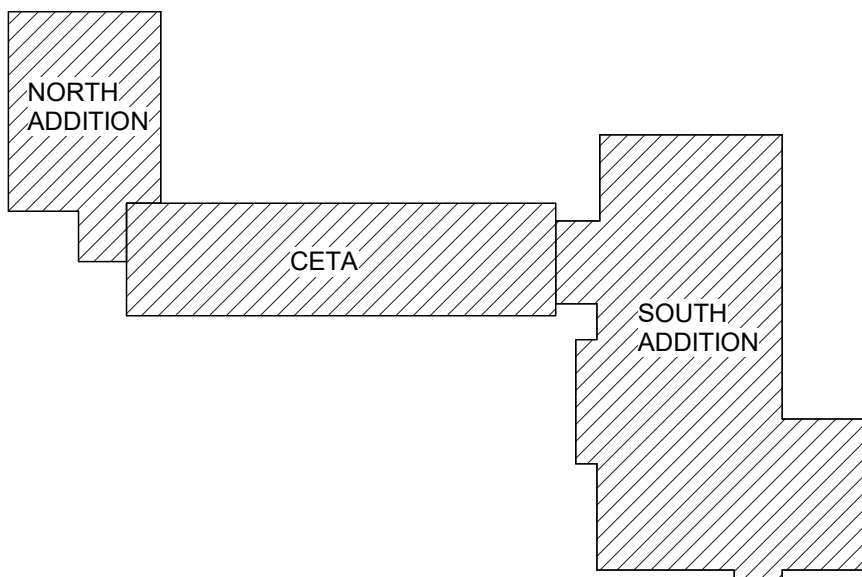
DRAWING NOTE

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.

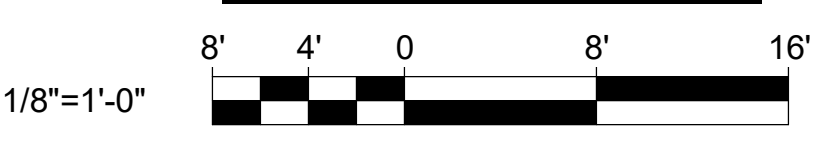
DRAWING KEYNOTES

- 1 120 VOLT POWER FOR AUTOMATIC VALVES AND AUTOMATIC PAPER TOWEL DISPENSERS. FIELD COORDINATE FINAL LOCATION.
- 2 PROVIDE L5-30 PWS 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.

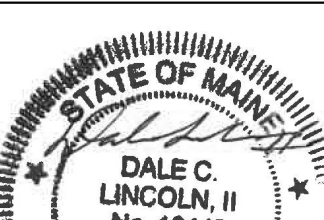
1 THIRD FLOOR POWER PLAN
EP103 SCALE: 1/8" = 1'-0"

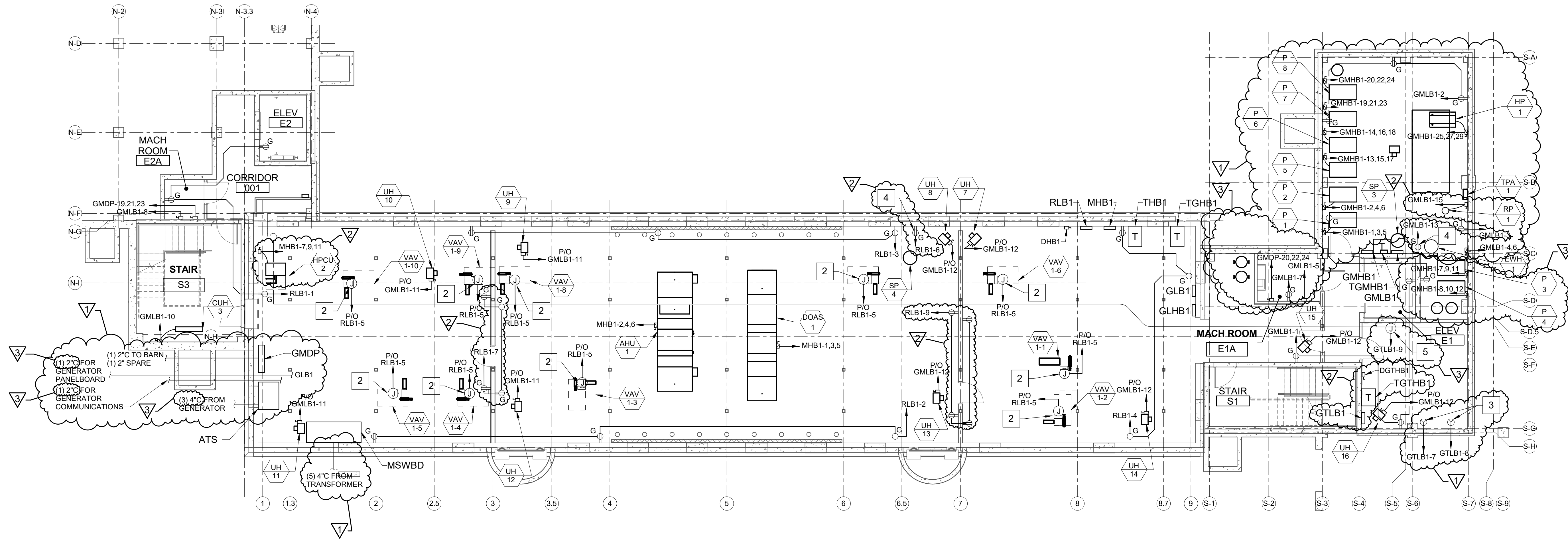


GRAPHIC SCALE

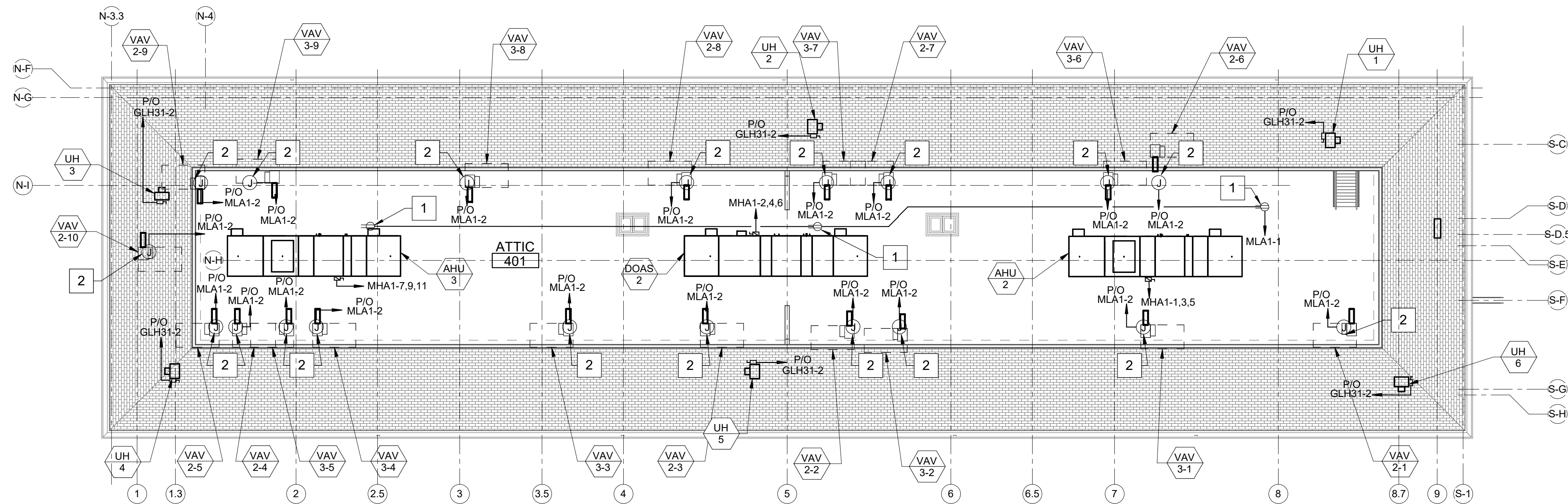


CHECK GRAPHIC SCALE BEFORE USING

					DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
					TITLE NEW OFFICE HEADQUARTERS			
					LOCATION AUGUSTA, ME			
					TITLE THIS DWG. THIRD FLOOR POWER PLAN			
3	03/13/25	ADDENDUM NO.6	DCL	DRAWN BY: RSW				DRAWING NO. EP103
2	03/06/25	ADDENDUM NO.5	DCL	CHECK BY: DCL				
1	02/28/25	ADDENDUM NO.3	MHL					
NO.	DATE	DESCRIPTION	BY	DATE 01/29/2025		211 Main Street, Biddeford, Maine 04005		207 283.0193
REVISIONS						215 OF 239		



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



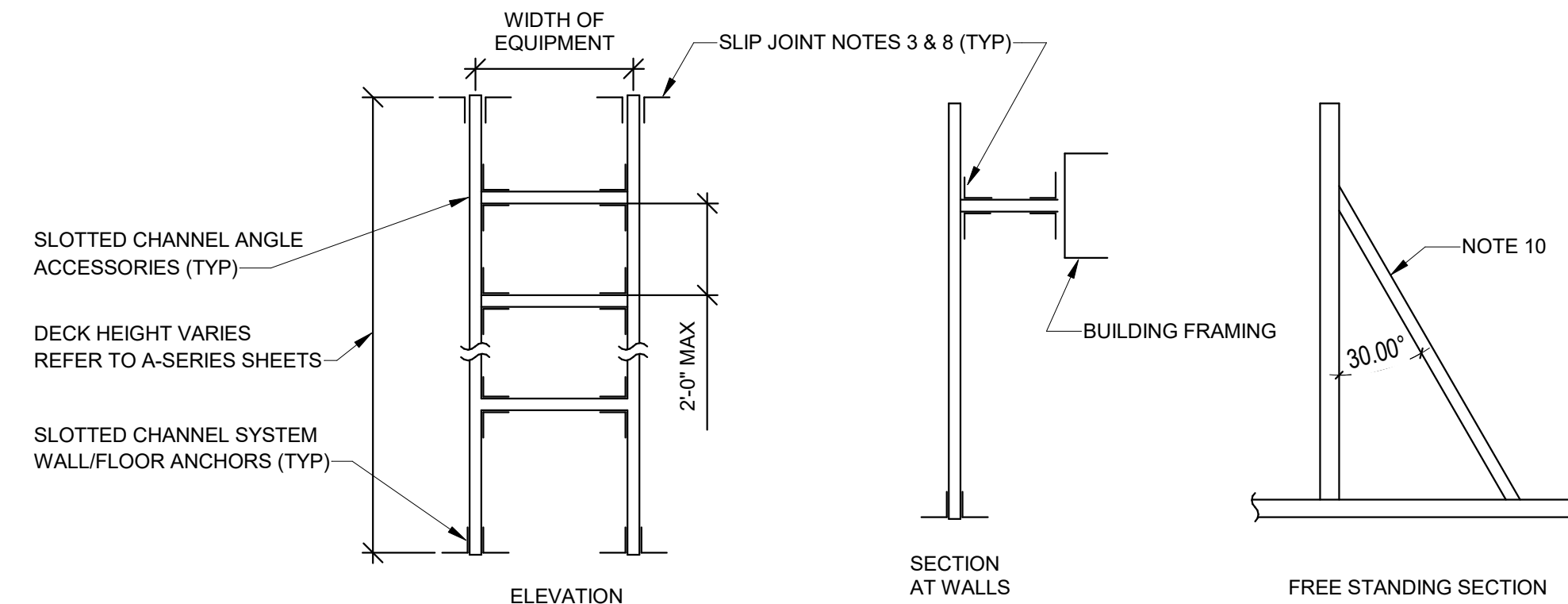
2 ATTIC POWER PLAN
EP104 SCALE: 1/8" = 1'-0"
PLAN NORTH

DRAWING NOTE

- 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.

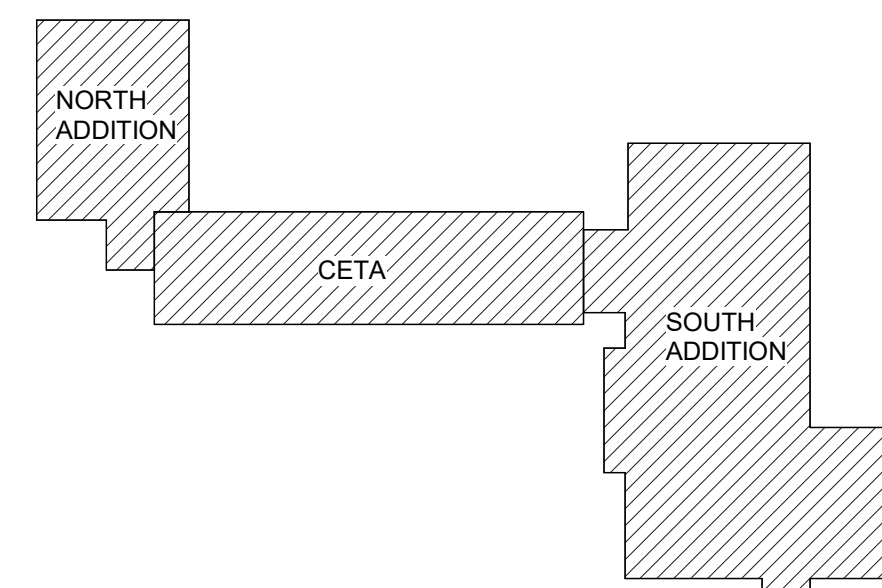
DRAWING KEYNOTES

- MOUNT SERVICE RECEPTACLES ON CEILING COLLAR TIES.
- 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.
- PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BCS IT.
- FOR SP. COORDINATE LOCATION IN THE FIELD.
- PROVIDE CIRCUIT FOR FIRE ALARM CONTROL PANEL.

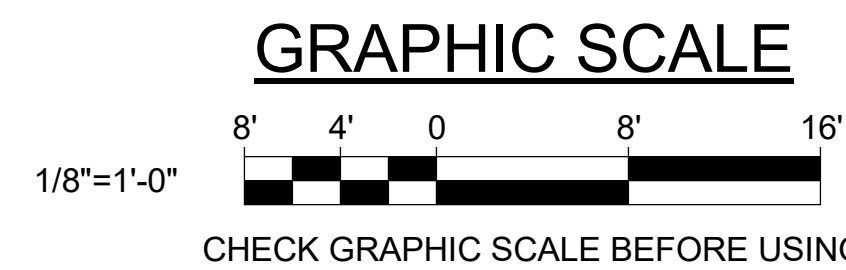


- SLOTTED CHANNEL RACK DETAIL NOTES:**
- ANCHOR TO DECK ABOVE USING SLIP JOINTS WHERE NOT ADJACENT TO A WALL.
 - PROVIDE BOLTED CONNECTIONS.
 - PROVIDE 1/2" CLEAR SLIP JOINT AT VERTICAL SLOTTED CHANNEL TO ALLOW FOR STRUCTURAL DEFLECTION. SECURELY ANCHOR SLIP JOINT TO STRUCTURE.
 - PROVIDE AT PANELBOARDS AND EQUIPMENT WHERE EQUIPMENT CAN NOT BE WALL MOUNTED. PROVIDE SIMILAR AT CONDUIT DROP TO MECHANICAL PUMPS AND EQUIPMENT.
 - DO NOT SECURE TOP OF VERTICAL SLOTTED CHANNEL TO CEILING OR WALL.
 - 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.
 - PROVIDE STEEL SLOTTED CHANNEL SUPPORT FOR MOUNTING PANELBOARDS, CONTROL PANELS, ASD'S, STARTERS AND DISCONNECT SWITCHES.
 - 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.
 - PROVIDE GALVANIZED STEEL SLOTTED CHANNEL RACKS AT EXTERIOR LOCATIONS
 - PROVIDE SUPPORT CHANNEL AS ANGLED SECTION AT FREESTANDING AND EXTERIOR SLAB ON GRADE APPLICATIONS.
 - PROVIDE CHANNEL MANUFACTURERS NON-METALLIC END CAPS AT CHANNEL ENDS WHERE EXPOSED.

3 SLOTTED CHANNEL RACK DETAIL
EP104 SCALE: NOT TO SCALE



KEYPLAN
NOT TO SCALE
PLAN NORTH



DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
NEW OFFICE HEADQUARTERS			
AUGUSTA, ME			
BASEMENT AND ATTIC POWER PLANS			
OAK POINT ASSOCIATES			
216 OF 239			

3	03/13/25	ADDENDUM NO.6	DCL	DRAWN BY: RSW
2	03/06/25	ADDENDUM NO.5	DCL	CHECK BY: DCL
1	02/14/25	ADDENDUM NO.1	MHL	NO.
NO.	DATE	DESCRIPTION	BY	DATE
				01/29/2025

STATE OF MAINE	DALE C. LINCOLN, II	1/24/25	PROFESSIONAL ENGINEER
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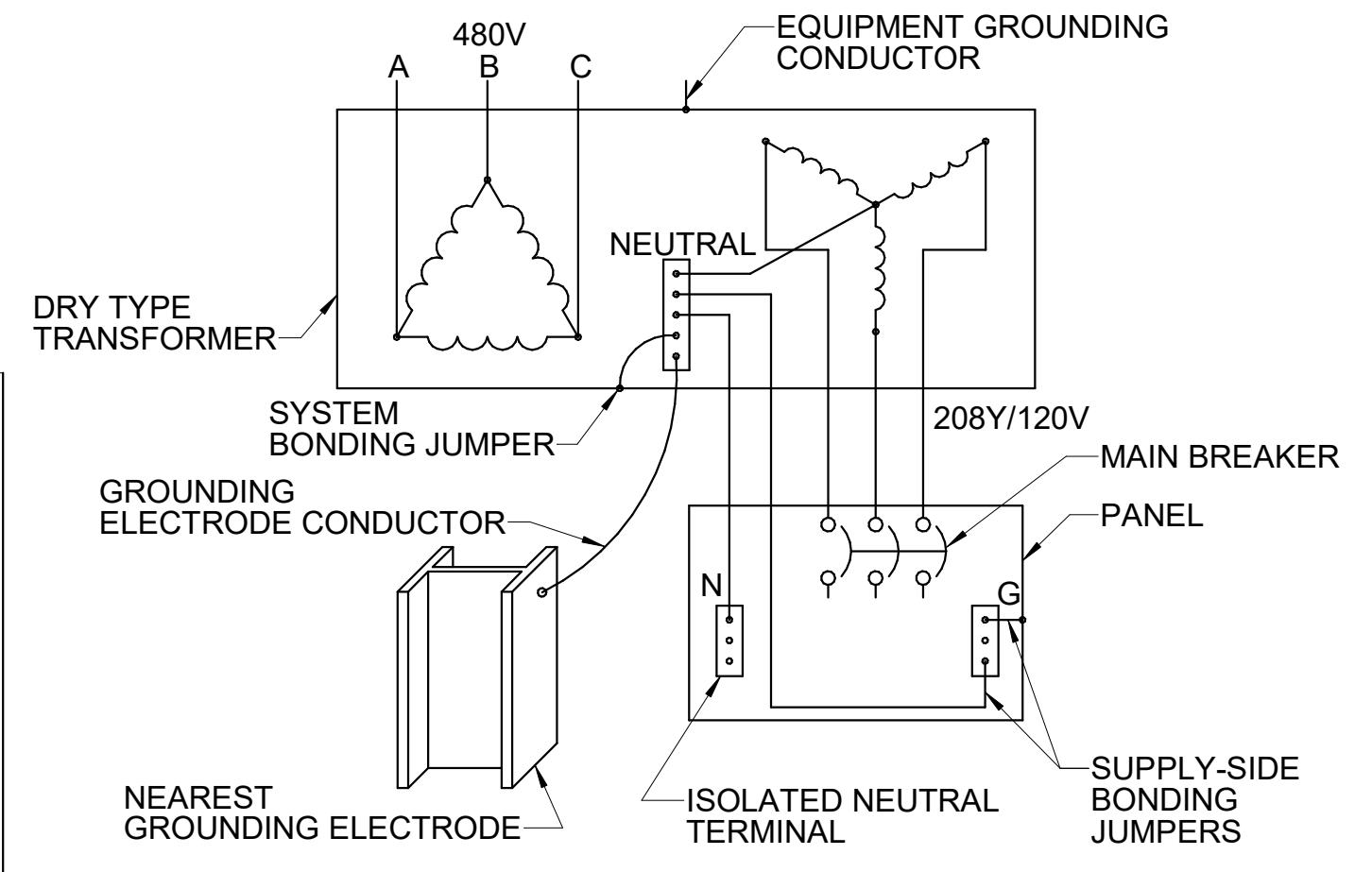
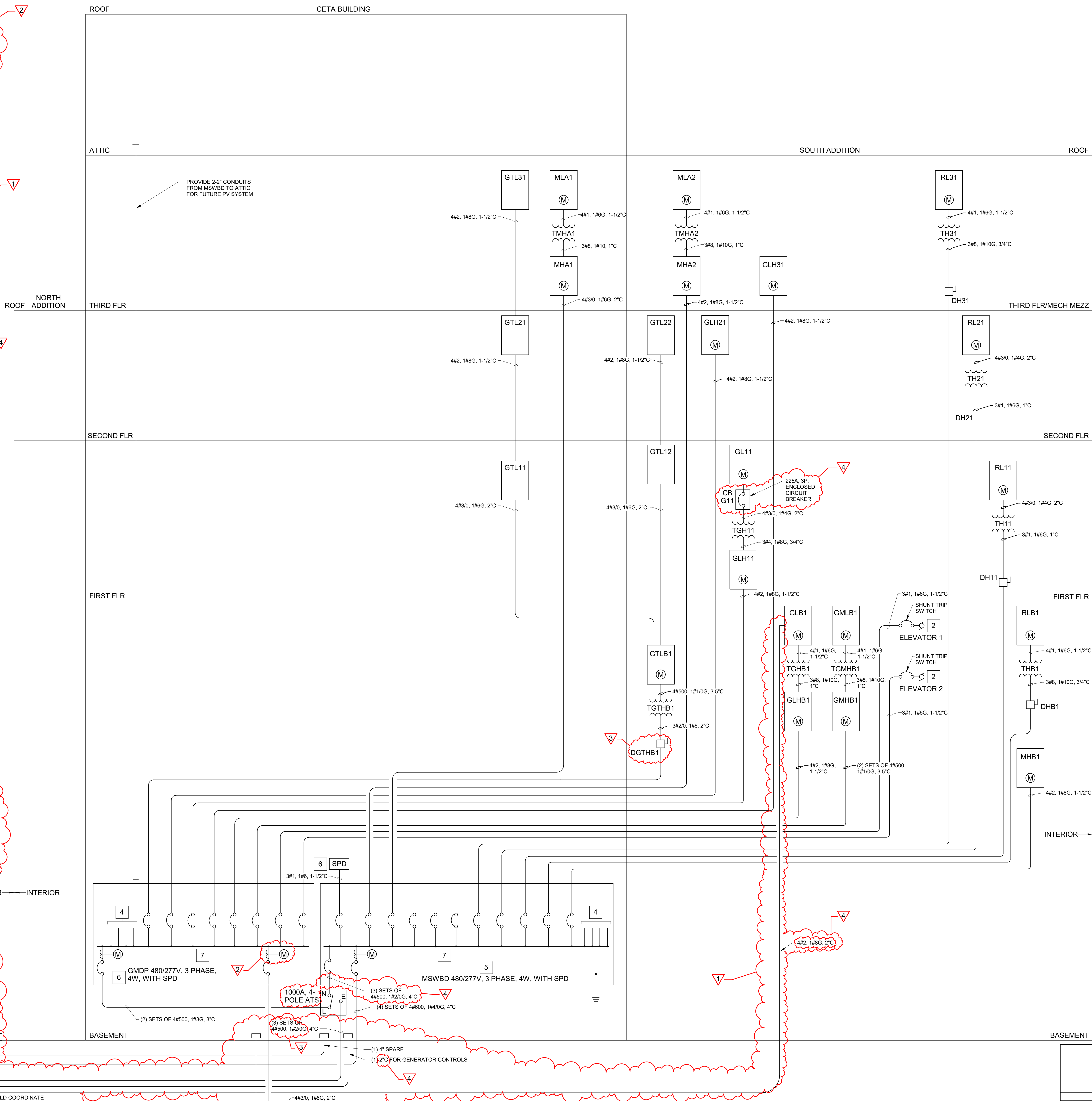
DRAWING NOTE

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

- ## 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.

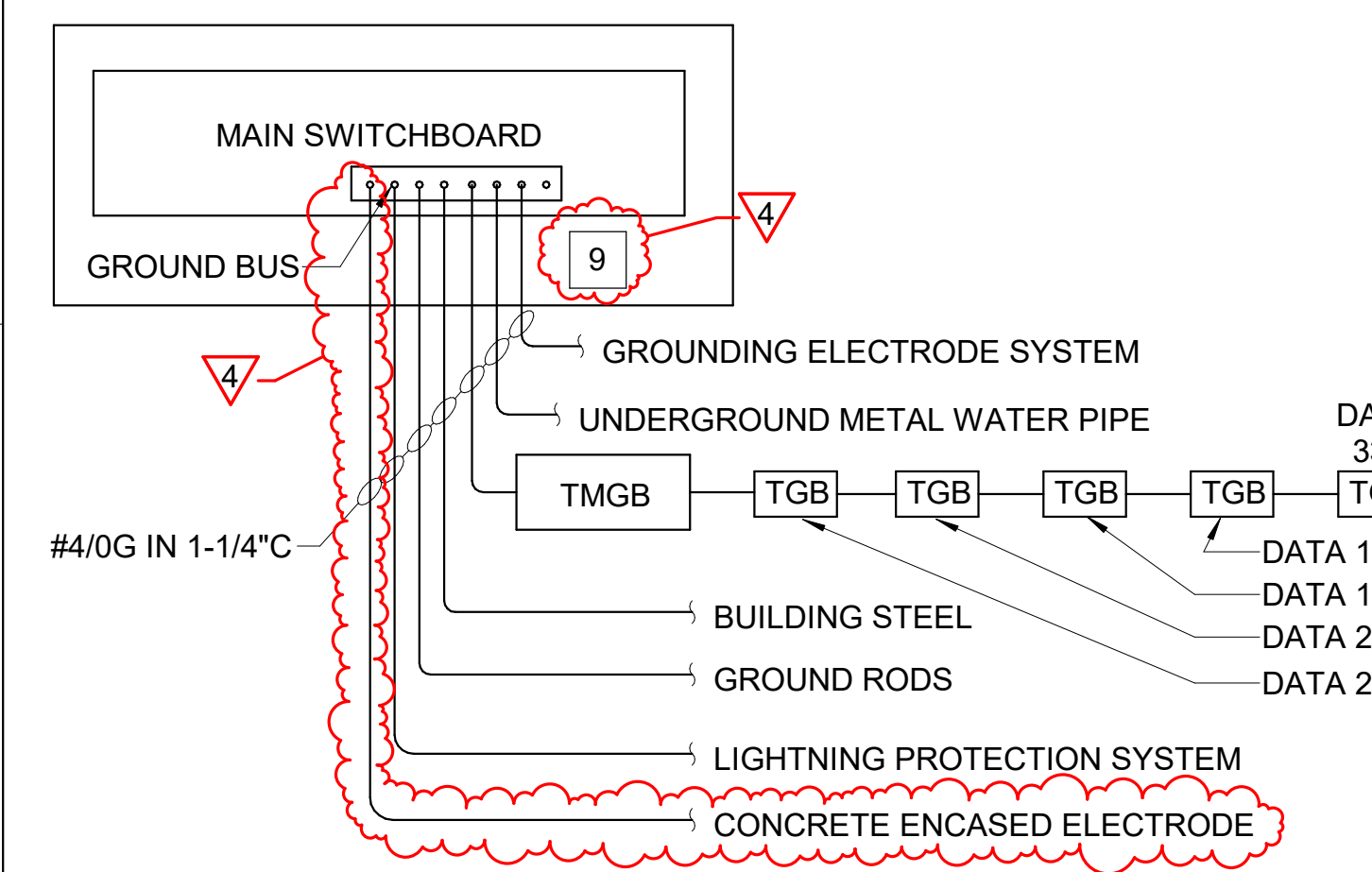
DRAWING KEYNOTES

- ## DRAWING KEYNOTES



NOTES: 1. CONDUCTORS AND CONDUITS SHALL BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

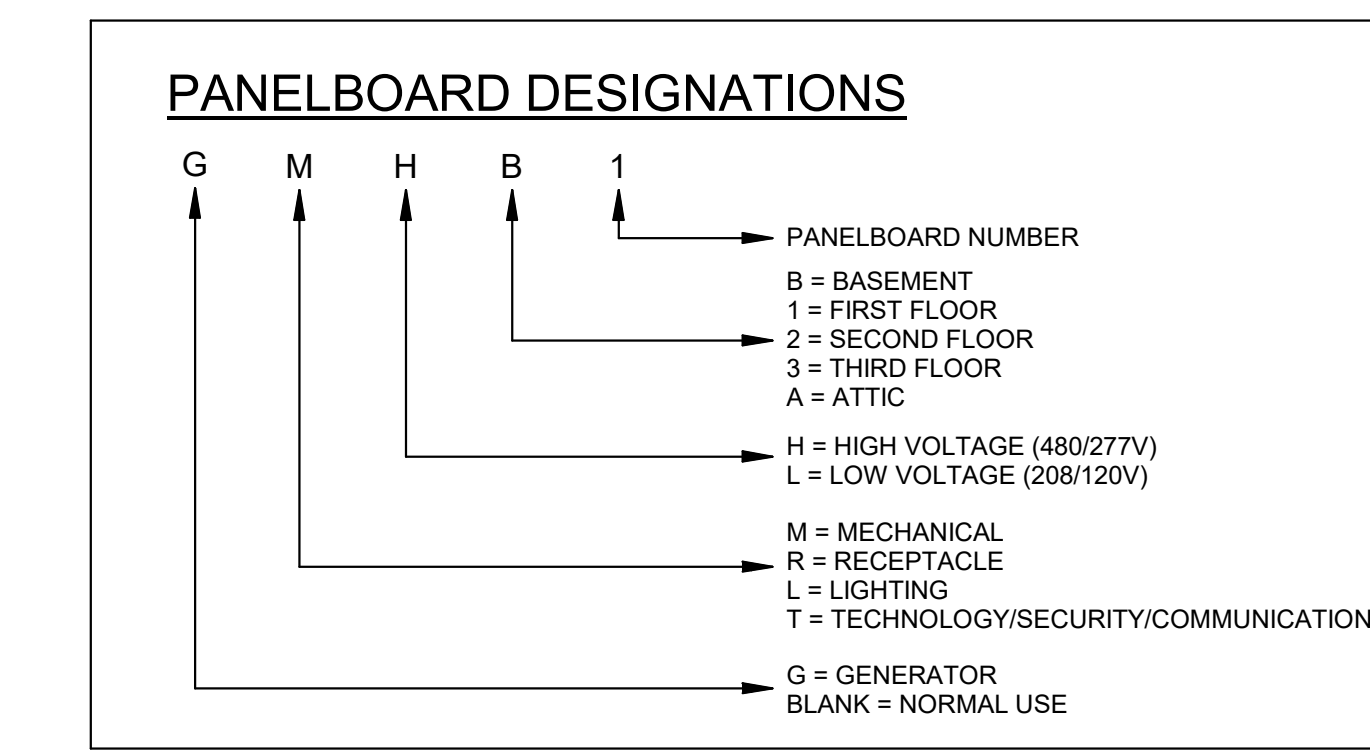
2 **TRANSFORMER GROUNDING DETAIL**
EP501 SCALE: NOT TO SCALE



NOTES: 1. CONDUCTORS AND CONDUITS SHALL BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

3 **GROUNDING ELECTRODE SYSTEM DETAIL**
EP501 SCALE: NOT TO SCALE

TRANSFORMER SCHEDULE		
TAG	KVA	VOLTS
THB1	30	480Δ - 208Y/120
TGMBH1	30	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



1 ONE-LINE DIAGRAM
EP501 SCALE: NOT TO SCALE

				DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
				TITLE: NEW OFFICE HEADQUARTERS	
				LOCATION: AUGUSTA, ME	
				TITLE THIS DRAWING: ONE-LINE DIAGRAM AND DETAILS	
4	03/13/25	ADDENDUM NO.6	DCL	DRAWN BY: BPD CHECK BY: DCL NO. OAK POINT ASSOCIATES DRAWING NO. EP501 SHEET NO. 218 OF 235	
	03/06/25	ADDENDUM NO.5	DCL		
	02/28/25	ADDENDUM NO.3	MHL		
2	01/14/25	ADDENDUM NO.1	MHL		
NO.	DATE	DESCRIPTION	BY		
REVISIONS				DATE 01/29/2025	
				ARCHITECTURE • ENGINEERING • PLANNING	
				231 Main Street, Skidowaw, Maine 04005 207.283.9193	

PANELBOARD SCHEDULE GMDP													
Location: STORAGE 002				Volts: 480/277 Wye				A.I.C. Rating: 35000					
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	175 A	3	87.1			20.6			3	100 A	GLHB1	2
3	--	--	--		65.9			4.3		--	--	--	4
5	--	--	--			50.9			15.7	--	--	--	6
7	GMHB1	800 A	3	291.9			84.8			3	100 A	GLH11	8
9	--	--	--		300.2			69.6		--	--	--	10
11	--	--	--			308.9			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:				215614 VA	198489 VA	19449 VA							
Total Amps:				780.6	718.8	702.1							

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	100 A	TH21	2
3	--	--	--		36.3			41.7		--	--	--	4
5	--	--	--			36.3			40.6	--	--	--	6
7	TH31	40 A	3	34.6			73.1			3	100 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	40 A	THB1	20
21	--	--	--		86.1			6.8		--	--	--	22
23	--	--	--			86.1			4.7	--	--	--	24
25	--	--	--							--	--	--	26
27	--	--	--							--	--	--	28
29	--	--	--							--	--	--	30
31	--	--	--							--	--	--	32
33	--	--	--							--	--	--	34
35	--	--	--							--	--	--	36
37	GMDP	1000 A	3	780.6						--	--	--	38
39	--	--	--		718.8					--	--	--	40
41	--	--	--			702.1				--	--	--	42
Total Load:				311783 VA	290649 VA	27983 VA							
Total Amps:				1131.6	1055.3	1010.2							

PANELBOARD SCHEDULE GLHB1													
Location: STORAGE 004				Volts: 480/277 Wye				A.I.C. Rating: 35000					
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										2
3	LTG - STAIR S3	20 A	1	4				0.9		1	20 A	LTG - STAIR S1	4
5	LTG - ELEV E1	20 A	1		2		0.5			1	20 A	LTG - ELEV E2	6
7	LTG - SITE AND BLDG MOUNT	20 A	1	2.5					0.4	1	20 A		8
9	LTG - INDEPENDENCE DRIVE	20 A	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	40 A	3	13.6									38
39	--	--	--		0.4								40
41	--	--	--			12.9							42
Total Load:				5295 VA	1190 VA	3915 VA							
Total Amps:				20.6	4.3	15.7							

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
9	--	--	--		4.8			4.8		--	--	--	10
11	--	--	--			4.8			4.8	--	--	--	12
13	P-5	20 A	3	7.6			7.6			3	20 A	P-6	14
15	--	--	--		7.6			7.6		--	--	--	16
17	--	--	--			7.6			7.6	--	--	--	18
19	P-7	60 A	3	27			27			3	60 A	P-8	20
21	--	--	--		27			27		--	--	--	22
23	--	--	--			27			27	--	--	--	24
25	HP-1	250 A	3	177.1									26
27	--	--	--		177.1								28
29	--	--	--			177.1							30
31													32
33													34
35													36
37							14			3	40 A	TGMHB1	38
39								22.3		--	--	--	40
41									31	--	--	--	42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
Total Load:				90847 VA	82845 VA	85257 VA							
Total Amps:				291.9	300.2	308.9							

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			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		1	20 A	REC - RM 122 COUNTER	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				1	20 A	TF-1	72	
73	HP-1-5	25 A	2	17.3			6		3.6	1	20 A	SKYWALL	74	
75	--	--	--		17.3								76	
77	HP-1-4	15 A	2		3.7								78	
79	--	--	--	3.7									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: 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	TGH11	70 A	3	75.3			1.2			1	20 A	LTG - STAIR S2	2
3	--	--	--		57.5			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:				23425 VA	19219 VA	18775 VA							
Total Amps:				84.8	69.6	67.8							

PANELBOARD SCHEDULE GTL12													
Location: DATA 130				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	GTL22	100 A	3	32.2			3			1	20 A	REC - DATA RM 130	2
3	--	--	--		15.5			3		1	20 A	REC - DATA RM 130	4
5	--	--	--			37.2				1	20 A	REC - DATA RM 130	6
7	TWIST LOCK DATA RM 130	30 A	1	24			1.5			1	15 A	REC - CONDENSATE PUMP	8
9	TWIST LOCK DATA RM 130	30 A	1		24			11		2	25 A	CU-4, AC-4	10
11	--	--	--						11	--	--	--	12
13	--	--	--										14
15	--	--	--										16
17	--	--	--										18
19	--	--	--										20
21	--	--	--										22
23	--	--	--										24
25	--	--	--										26
27	--	--	--										28
29	--	--	--										30
Total Load:				7020 VA	6240 VA	5700 VA							
Total Amps:				59.2	52.7	47.5							

DRAWING KEYNOTE

1 PROVIDE GFCI CIRCUIT BREAKER.

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					
MCB 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			12			1	20 A	REC - REFRIGERATOR RM 133	26
27	REC - REFRIGERATOR RM 122	20 A	1		12			12		1	20 A	REC - RM 167 ULTRA 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				42			2	50 A	REC - RM 167 AUTOCLAVE	32
33	HP-2, CULHS	20 A	1	6									34
35	HP-2-3	25 A	2		5.4	17.3			42				36
37	--	--	--	17.3			4.8		4.8	2	15 A	HP-2-1, HP-2-2, HP-2-3, HP-2-4	38
39	REC - CONDENSATE PUMP	15 A	1	7.5				44		2	60 A	EWH-3	40
41	RP-3	15 A	1			4			44				42
43	REC - REFRIGERATOR RM 305	20 A	1	12			12			1	20 A	REC - REFRIGERATOR RM 239	44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
Total Load:				20708 VA	15777 VA	14757 VA							
Total Amps:				173.9	132.8	123							

PANELBOARD SCHEDULE RL21													
Location: Volts: 120/208 Wye				A.I.C. Rating: 10000									
Mounting: Surface				Mains Type: MCB									
Enclosure: Type 1				Phases: 3									
				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	REC - CONDENSATE PUMP	15 A	1		3.7								32
33						6							34
35													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							

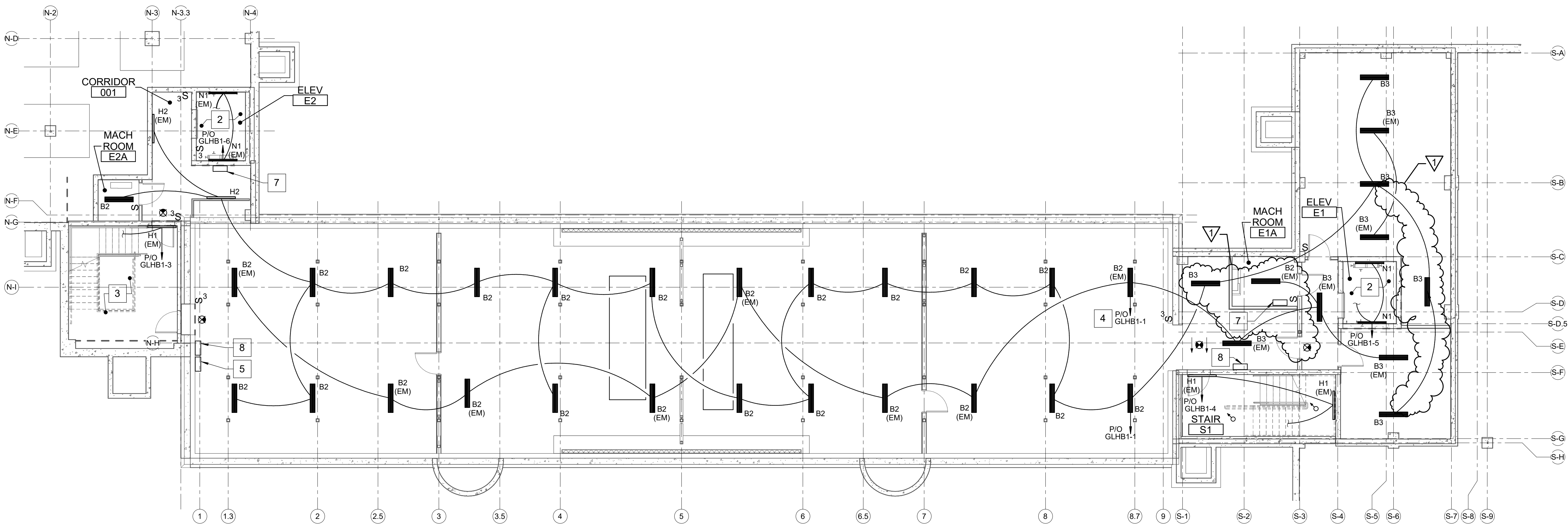
PANELBOARD SCHEDULE GTL21													
Location: DATA 270				Volts: 120/208 Wye				A.I.C. Rating: 10000					
Mounting: Surface				Phases: 3				Mains Type: MCB					
Enclosure: Type 1				Wires: 4				Mains Rating: 100 A					
								MCB Rating: 100 A					
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL31	100 A	3	32.2			3			1	20 A	REC - DATA RM 270	2
3	--	--	--		15.5			3		1	20 A	REC - DATA RM 270	4
5	--	--	--			37.2			3	1	20 A	REC - DATA RM 270	6
7	REC - DATA RM 270	20 A	1	3			24			1	30 A	TWIST LOCK DATA RM 270	8
9	TWIST LOCK DATA RM 270	30 A	1		24			11		2	25 A	CU-2, AC-2	10
11	REC - CONDENSATE PUMP	15 A	1			1.5			11		--	--	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					
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			1	20 A	REC - DATA RM 214	2
3	REC - DATA RM 214	20 A	1		3			3		1	20 A	REC - DATA RM 214	4
5	TWIST LOCK DATA RM 214	30 A	1			24				1.5	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		11								10
11						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	2						
Total Amps:				32.2	15.5	37.2							

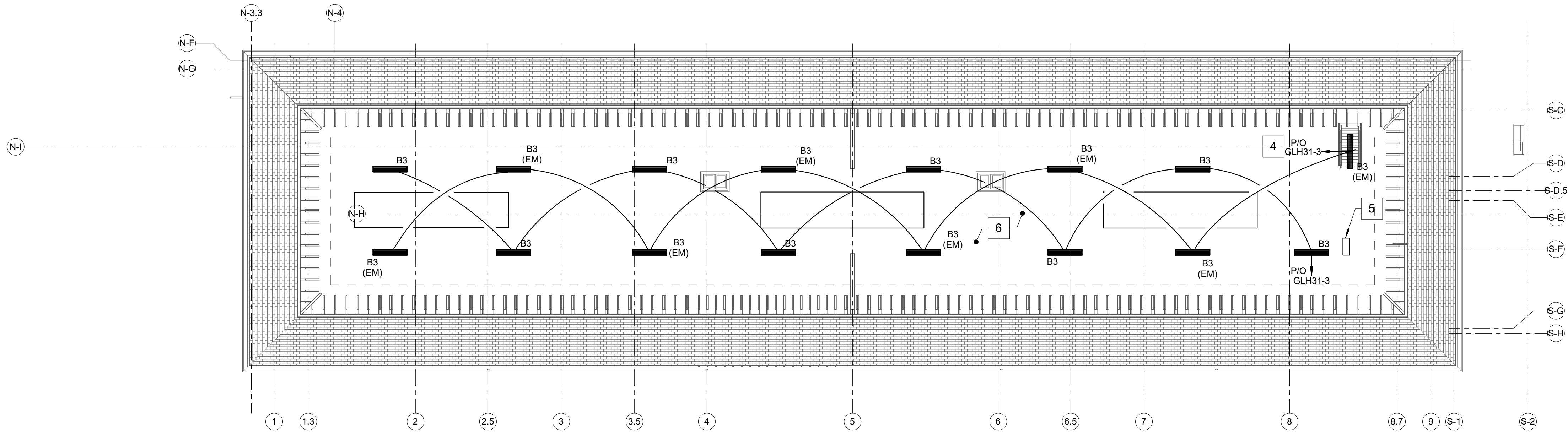
DRAWING KEYNOTE

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					
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			3	25 A	DOAS-2	2
3	--	--	--		8.8			18.2		--	--	--	4
5	--	--	--			8.8			18.2	--	--	--	6
7	AHU-3	15 A	3	8.8						--	--	--	8
9	--	--	--		8.8					--	--	--	10
11	--	--	--			8.8				3	15 A	DOAS-5	12
13	DOAS-3	25 A	3	25			10.2			--	--	--	14
15	--	--	--			25		10.2		--	--	--	16
17	--	--	--			25				--	--	--	18
19	HPCU-1	30 A	3	15.2									20
21	--	--	--		15.2								22
23	--	--	--			15.2							24
25	--	--	--										26
27	--	--	--										28
29	--	--	--										30
31	--	--	--										32
33	--	--	--										34
35	--	--	--										36
37	TMHA1	45 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							



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



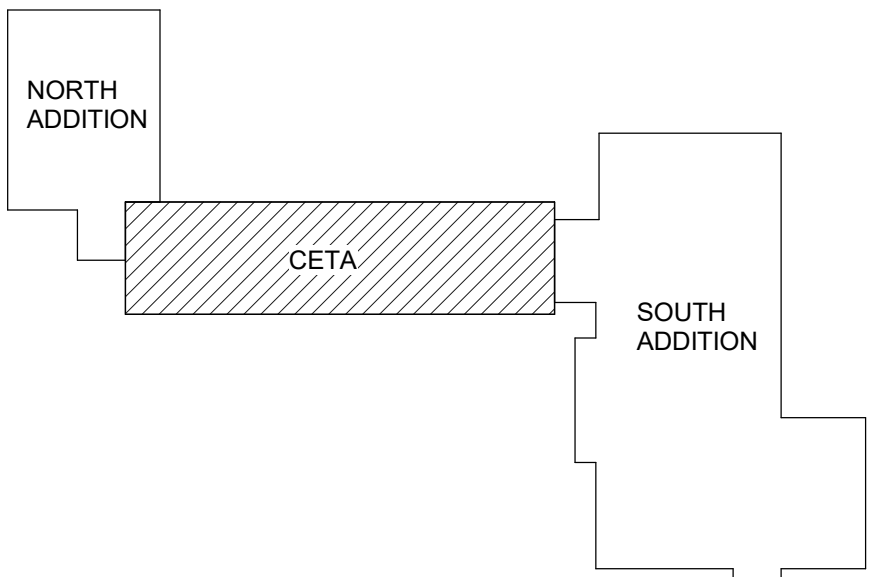
2 ATTIC LIGHTING PLAN
EL104 SCALE: 1/8" = 1'-0"

DRAWING NOTES

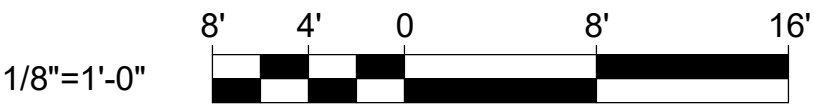
1. CONNECT EXIT SIGNS AND EMERGENCY FIXTURES TO LOCAL LIGHTING CIRCUITS AHEAD OF ANY SWITCHES, OCCUPANCY SENSORS, ETC.
2. LIGHTING FIXTURES SHALL NOT BE OBSTRUCTED BY EQUIPMENT IN DATA ROOMS OR MECHANICAL SPACES. COORDINATE FINAL LOCATION OF LIGHTING FIXTURES IN DATA ROOMS AND MECHANICAL SPACES WITH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

DRAWING KEYNOTES

1. PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY.
2. 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.
3. 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.
4. CONNECT EMERGENCY CIRCUIT TO REMOTE EMERGENCY LIGHTING INVERTER AHEAD OF NORMAL LIGHTING FIXTURES.
5. 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.
6. MECHANICAL ATTIC LIGHT SWITCH LOCATED IN PLAN ROOM/PLOTTER 306. REFER TO EL103 FOR EXACT LOCATION.
7. 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.
8. 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



CHECK GRAPHIC SCALE BEFORE USING

				DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
				NEW OFFICE HEADQUARTERS			
				AUGUSTA, ME			
				BASEMENT AND ATTIC LIGHTING PLANS			
				OAK POINT ASSOCIATES			
				EL104			
				227 OF 239			

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3/13/2025 4:28:39 PM
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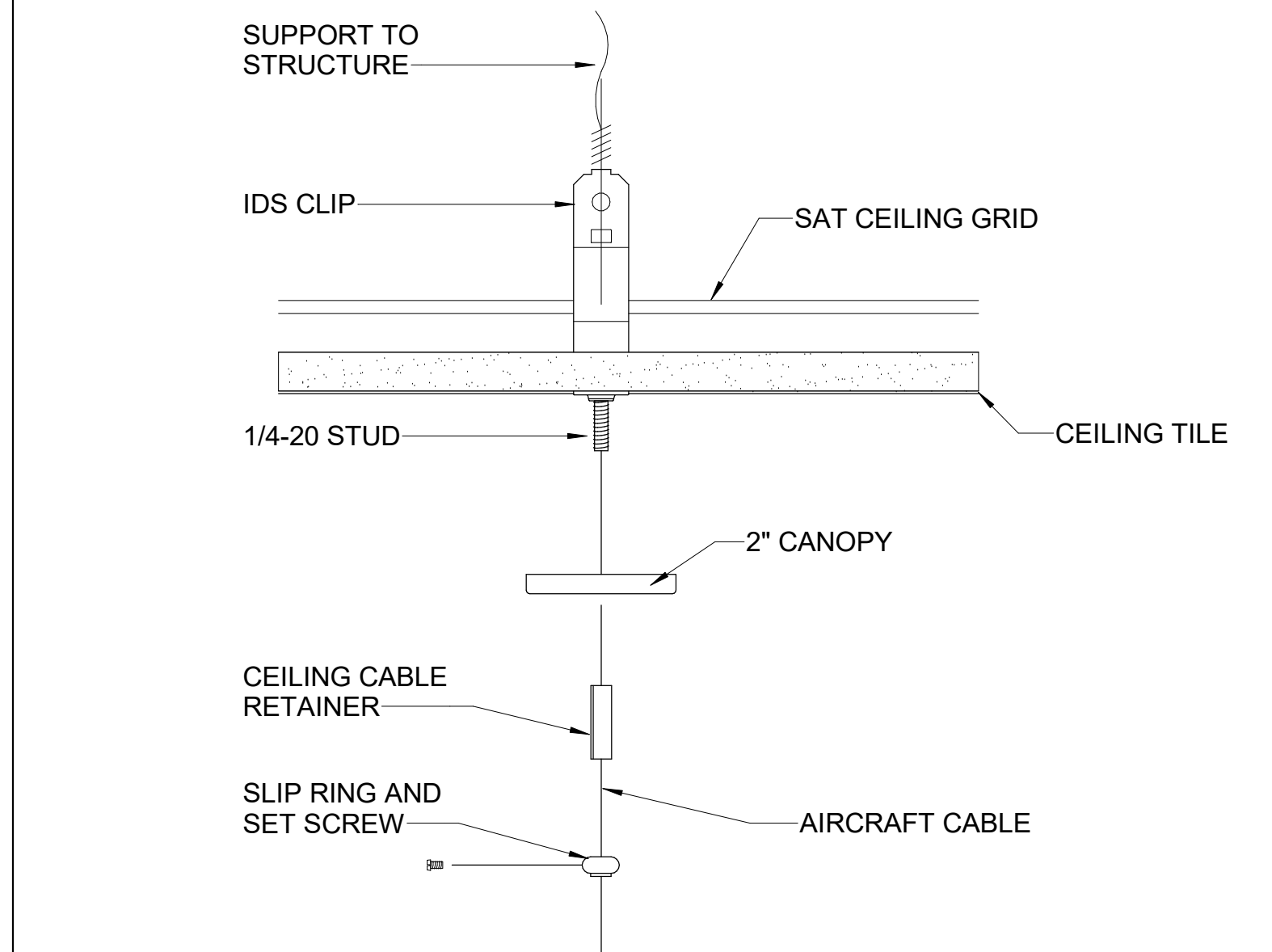
DRAWN BY: RSW		CHECK BY: DCL	
NO. 1		DATE 03/13/25	
DESCRIPTION ADDENDUM NO.6		BY DCL	
REVISIONS		DATE 01/29/2025	

STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/24/25
PROFESSIONAL ENGINEER

231 Main Street, Biddeford, Maine 04005
207.283.9193

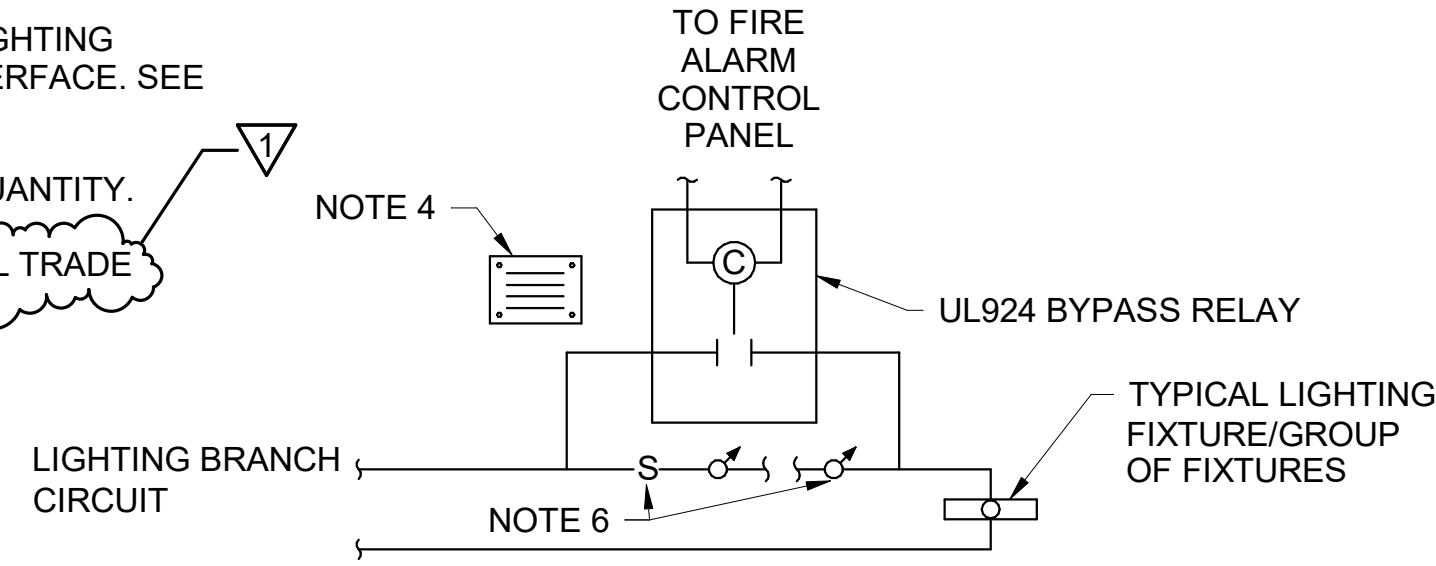
LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	SOURCE	LUMENS	VOLTS	W/V/A	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
A1	RECESSED 2' X 2' DIRECT/INDIRECT	LED	1597	277	13.4	RECESSED	1	COLUMBIA	LCAT22-35VWG-EDU-(ELL14)
A2	RECESSED 2' X 2' DIRECT/INDIRECT	LED	2228	277	16.4	RECESSED	1	COLUMBIA	LCAT22-35MWG-EDU-(ELL14)
A3	RECESSED 2' X 2' DIRECT/INDIRECT	LED	2870	277	20.6	RECESSED	1	COLUMBIA	LCAT22-35LWG-EDU-(ELL14)
A4	RECESSED 2' X 2' DIRECT/INDIRECT	LED	3493	277	25.8	RECESSED	1	COLUMBIA	LCAT22-35MLG-EDU-(ELL14)
A5	RECESSED 2' X 2' DIRECT/INDIRECT	LED	4000	277	35.1	RECESSED	1	COLUMBIA	LCAT22-35HLG-EDU-(ELL14)
B1	LOW PROFILE WRAPAROUND	LED	2368	277	18.8	SURFACE/CHAIN	1,4	COLUMBIA	LAW4-35XW-EU-(ELL14)
B2	LOW PROFILE WRAPAROUND	LED	3292	277	26.6	SURFACE/CHAIN	1,4	COLUMBIA	LAW4-35VW-EU-(ELL14)
B3	LOW PROFILE WRAPAROUND	LED	4405	277	37.4	SURFACE/CHAIN	1,4	COLUMBIA	LAW4-35LW-EU-(ELL14)
C1	2' X 4" WALL DIRECT/INDIRECT	LED	2800	277	23	WALL	1,2,4	LITECONTROL	2L-W-ID-LPAD-2-SOF-C1-35K-I030-D040-D01-1C-UNV-(EF)
C2	2' X 4" WALL DIRECT/INDIRECT	LED	3200	277	26	WALL	1,2,4	LITECONTROL	2L-W-ID-LPAD-2-SOF-C1-35K-I030-D050-D01-1C-UNV-(EF)
C3	2' X 4" WALL DIRECT/INDIRECT	LED	3600	277	30	WALL	1,2,4	LITECONTROL	2L-W-ID-LPAD-2-SOF-C1-35K-I030-D060-D01-1C-UNV-(EF)
C4	2' X 4" WALL DIRECT/INDIRECT	LED	4001	277	33	WALL	1,2,4	LITECONTROL	2L-W-ID-LPAD-2-SOF-C1-35K-I030-D070-D01-1C-UNV-(EF)
D1	RECESSED 2X4 DIRECT/INDIRECT	LED	3301	277	24.3	RECESSED	1	COLUMBIA	LCAT24-35VWG-EDU-(ELL14)
D2	RECESSED 2X4 DIRECT/INDIRECT	LED	4969	277	36	RECESSED	1	COLUMBIA	LCAT24-35MLG-EDU-(ELL14)
D3	RECESSED 2X4 DIRECT/INDIRECT	LED	5720	277	39.7	RECESSED	1	COLUMBIA	LCAT24-35HLG-EDU-(ELL14)
D4	RECESSED 2X4 DIRECT/INDIRECT	LED	7354	277	52.9	RECESSED	1	COLUMBIA	LCAT24-35VLG-EDU-(ELL14)
E1	6" SHOWER DOWNLIGHT	LED	614	277	7.3	RECESSED	1,6	PRESCOLITE	LFR-6RD-M-10L35K8-DM1 WITH LFR-6RD-T-SH-WTGM
F1	DECORATIVE WRAPAROUND	LED	4870	277	40.3	CABLE	1,4	COLUMBIA	RLW4-35ML-FAW-EDU-(ELL14)-CM48SCF3-KIT
F2	DECORATIVE WRAPAROUND	LED	5679	277	47.8	CABLE	1,4	COLUMBIA	RLW4-35HL-FAW-EDU-(ELL14)-CM48SCFC-KIT
F3	DECORATIVE WRAPAROUND	LED	7145	277	55.7	CABLE	1,4	COLUMBIA	RLW4-35VL-FAW-EDU-(ELL14)-CM48SCF3-KIT
G1	2" RECESSED WALL DIRECT	LED	2200	277	19.7	RECESSED	1,5,7	ALCON LTG	12100-10-P-4-BK-35K
H1	4' X 4" WALL DIRECT/INDIRECT	LED	3600	277	30	WALL	1,4	LITECONTROL	4L-W-ID-LPA-4-SOF-C1-35K-I030-D060-D01-1C-UNV-(EF)
H2	4' X 4" WALL DIRECT/INDIRECT	LED	4401	277	37	WALL	1,4	LITECONTROL	4L-W-ID-LPA-4-SOF-C1-35K-I030-D080-D01-1C-UNV-(EF)
H3	4' X 4" WALL DIRECT/INDIRECT	LED	2000	277	17	WALL	1,4	LITECONTROL	4L-W-ID-LPA-4-SOF-C1-35K-I030-D050-D01-1C-UNV-(EF)
J1	4' X 4" PENDANT DIRECT/INDIRECT	LED	3264	277	27.2	PENDANT	1,3,4,5	LITECONTROL	4L-P-ID-LPA-4-SOF-C1-35K-I030-D050-D01-1C-UNV-(EF)
J2	4' X 4" PENDANT DIRECT/INDIRECT	LED	3589	277	28.8	PENDANT	1,3,4,5	LITECONTROL	4L-P-ID-LPA-4-SOF-C1-35K-I030-D060-D01-1C-UNV-(EF)
J3	4' X 4" PENDANT DIRECT/INDIRECT	LED	3987	277	32.3	PENDANT	1,3,4,5	LITECONTROL	4L-P-ID-LPA-4-SOF-C1-35K-I030-D070-D01-1C-UNV-(EF)
J4	4' X 4" PENDANT DIRECT/INDIRECT	LED	4783	277	39.6	PENDANT	1,3,4,5	LITECONTROL	4L-P-ID-LPA-4-SOF-C1-35K-I030-D090-D01-1C-UNV-(EF)
K1	8' X 4" PENDANT DIRECT/INDIRECT	LED	9566	277	79.2	PENDANT	1,3,4,5	LITECONTROL	4L-P-ID-LPA-8-SOF-C1-35K-I030-D090-D01-1C-UNV-(EF)
L1	4" DIAMETER PENDANT, 6' BODY HEIGHT	LED	4100	277	46	PENDANT	1,2,4,12	VISA LTG	CP2028-L35K-L35K-MVOLT-MED-RMD
L2	4" DIAMETER PENDANT, 8' BODY HEIGHT	LED	5500	277	60	PENDANT	1,2,4,12	VISA LTG	CP2030-L35K-L35K-MVOLT-MED-RMD
M1	2" ARCHITECTURAL T-GRID LINEAR	LED	1269	277	10.9	RECESSED IN GRID	1	ALLURE	GD-LZF-35-916ML
N1	ELEVATOR SHAFT FIXTURE	LED	3600	277	26.8	SURFACE	2,9	COLUMBIA	MPS-4-35-MW-F-W-E-U-MPSWG2
P1	ARCHITECTURAL Y-SHAPED, PENDANT	LED	6148	277	72	PENDANT	1,2,4	ALCON LTG	12100-20-Y-P-4-D13-I4-35K-9-XX-FL-STX-SH-OS-BAA
Q1	3 INCH, DOWNLIGHT	LED	641	277	7.8	RECESSED	1,2,4	PRESCOLITE	LTR-3RD-H-SL-06L-DM1-LTR-ERD-T-SL-35K-90-MD-S
T1	2"x4" SURFACE DIRECT	LED	3200	277	26.8	SURFACE MOUNT	1,2,4,6	LITECONTROL	2L-S-D-4-SOF-XX-35K9-D080-D01-1C-UNV
R2	ROADWAY FIXTURE	LED	4211	277	39	16 FOOT POLE	4,8,11	HOLOPHANE	WFCL3-P10-40K-XXXX-FC2-CLGL
R4	ROADWAY FIXTURE	LED	4093	277	39	16 FOOT POLE	4,8,11	HOLOPHANE	WFCL3-P10-40K-XXXX-FC4-CLGL
S2S	SITE LIGHT - TYPE 2	LED	4345	277	33.2	16 FOOT POLE	4,8	LITHONIA	DSX0-LED-P1-40K-80CRI-T2M
SB1	GARDEN SHORT LED BOLLARD	LED	707	277	15	BOLLARD	10	LOUIS POULSEN	CHRISTIAN FLINDT GARDEN SHORT LED BOLLARD
SB3	BOLLARD LIGHT	LED	195	277	4.1	GROUND	4,8	LANDSCAPE FORMS	AH-001L3-050F-UV1
SP1	GARDEN LONG LED BOLLARD	LED	3244	277	37	BOLLARD	10	LOUIS POULSEN	CHRISTIAN FLINDT GARDEN LONG LED BOLLARD
S4F	SITE LIGHT - TYPE 4 - FORWARD THROW	LED	5795	277	45	20 FOOT POLE	4,8	LITHONIA	DSX0-LED-P2-40K-80CRI-TFTM
S4FS	SITE LIGHT - TYPE 4 - FORWARD THROW	LED	4492	277	33.2	14 FOOT POLE	4,8	LITHONIA	DSX0-LED-P1-40K-80CRI-TFTM
W1	SURFACE MOUNT EXTERIOR	LED	1138	277	13.1	SURFACE MOUNT	1,2,4	KIM	RN-D-2-3-3K8-SM-DL-UNV-S
W2	MULLION MOUNT EXTERIOR	LED	644	277	13.4	MULLION MOUNT	1,2,4	VISA LTG	OW2480-L35K-L
W3	WALL MOUNT EXTERIOR	LED	1138	277	13.1	WALL MOUNT	1,2,4	KIM	RN-D-2-3-3K8-SM-DL-UNV-W
Y1	RECESSED LED HANDRAIL LUMINAIRE	LED	160	277	1.5	RECESSED	10	WILA	PUCK-XT-RD-30K-ASB-RMTPS-UNV-20-500-DIM
E	EXIT SIGNS - EDGE LIT TYPE-SINGLE FACE	LED	-	277	3.3	RECESSED/SURFACE	1	DUAL LITE	LES-C/W-S-R-N-E
E	EXIT SIGNS - EDGE LIT TYPE	LED	-	277	3.3	RECESSED/SURFACE	1	DUAL LITE	LES-C/W-S-R-N-E
E	EXIT SIGNS - THERMOPLASTIC TYPE	LED	-	277	3.3	RECESSED/SURFACE	1	DUAL LITE	EVE-U-R-W-E

- FIXTURE SCHEDULE NOTES**
- COORDINATE MOUNTING TYPE (GRID (SAT), FLANGE (GYPSUM), OR SURFACE/SUSPENDE (NO CEILING) WITH CEILING/WALL/FLOOR TYPE.
 - VERIFY MOUNTING WITH ARCHITECT BEFORE INSTALLATION OF WIRE, CONDUIT AND JUNCTION BOXES.
 - VERIFY ACTUAL LENGTH OF CONTINUOUS ROWS AS SHOWN ON LIGHTING PLANS.
 - FINAL COLOR SELECTION MUST BE MADE BY ARCHITECT FROM MANUFACTURER'S SUBMITTALS.
 - CONFIRM PENDANT LENGTH PRIOR TO ORDERING.
 - PROVIDE ACCESSORIES FOR SHOWERS APPLICATIONS, WHERE REQUIRED.
 - CONFIRM MOUNTING WITH WOOD CEILING PANEL MANUFACTURER PRIOR TO ORDERING.
 - 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.
 - PROVIDE INTEGRAL OR EXTERNAL LIGHT FIXTURE GUARD.
 - PROVIDE REMOTE POWER SUPPLY, CONFIRM AND COORDINATE FINAL POWER SUPPLY CAPACITY MEETS FIXTURE QUANTITY.
 - PROVIDE 1/3" 6" RIDGEFIELD CAST IRON STEEL POLE, CAT# RF14/16-C15/RAL6014 WITH 16" DIA. BASE.
 - PENDANT CABLE LENGTH VARIES BETWEEN FIXTURES. COORDINATE PENDANT CABLE LENGTH WITH ARCHITECTURAL TRADE PRIOR TO ORDERING.



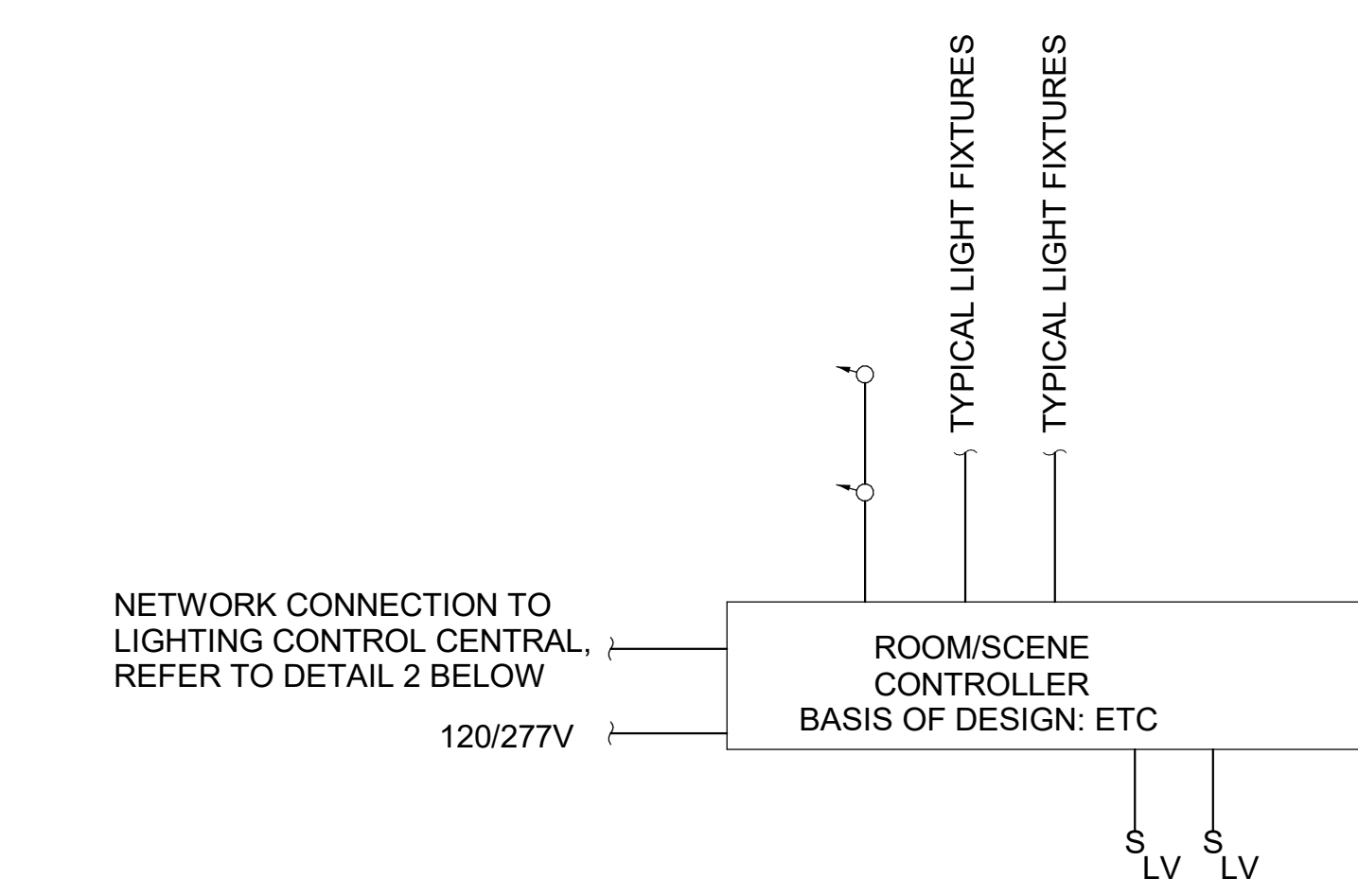
3 TYPICAL PENDANT FIXTURE MOUNTING DETAIL
EL701 SCALE: NOT TO SCALE

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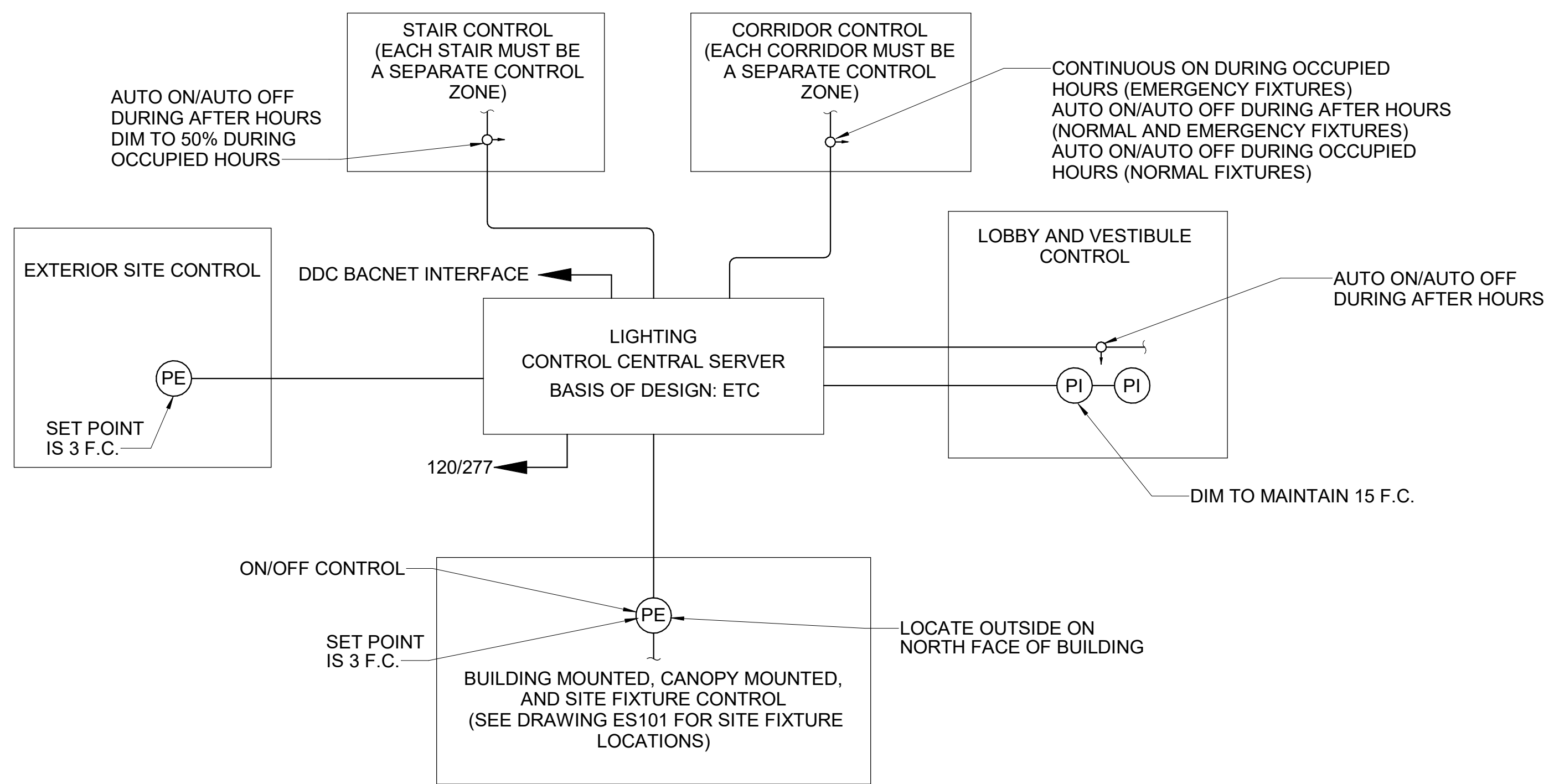
- LIGHTING BYPASS CONTROL DIAGRAM NOTES:**
- PROVIDE 120V AC BYPASS RELAY WITH MINIMUM 20 AMP, 120V RATED NORMALLY OPEN AND NORMALLY CLOSED CONTACTS. NORMALLY CLOSED BYPASS RELAY CONTACTS MUST BE HELD OPEN BY 120 VOLT POWER. NORMALLY CLOSED CONTACT MUST CLOSE WHEN FIRE ALARM/MASS COMMUNICATION SYSTEM IS IN ALARM AND MUST BYPASS THE LIGHTING SWITCHES, CONTROLS AND OCCUPANCY/VACANCY SENSORS.
 - BYPASS RELAY MUST BE UL LISTED FOR EMERGENCY LIGHTING CONTROL USE.
 - PROVIDE ONE RELAY PER SEPARATELY CONTROLLED LIGHTING GROUP/CIRCUIT IN EACH AREA INDICATED AND ALONG PATHS OF EGRESS.
 - 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.
 - COORDINATE WORK, INCLUDING LOCATIONS OF LIGHTING BYPASS RELAYS, WITH FIRE ALARM INSTALLER.
 - SINGLE POLE SWITCH AND LINE VOLTAGE MOTION SENSORS SHOWN. DETAIL ALSO APPLIES WHERE S₁ AND S₂ SWITCHES OR LOW VOLTAGE CONTROLS ARE INDICATED.
 - PROVIDE FOR PATH OF EGRESS AREAS TO INCLUDE CORRIDORS, LOBBIES, AND VESTIBULES.
 - 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 CEILING IN AN ACCESSIBLE LOCATION IN AN ADJACENT SPACE AND LABEL. INDICATE RELAY LOCATIONS ON THE AS-BUILT DRAWINGS.
 - COORDINATE WITH FIRE ALARM INSTALLER. PROVIDE TESTING OF EACH RELAY. DOCUMENT TEST RESULTS ON RELAY SUMMARY TABLE.

4 LIGHTING BYPASS RELAY CONTROL DIAGRAM
EL701 SCALE: NOT TO SCALE



- TYPICAL CONFERENCE RM LIGHTING CONTROL NOTES:**
- WIRING, COMPONENTS AND INSTALLATION REQUIREMENTS WILL VARY DEPENDING ON SYSTEM.
 - INSTALLATION OF PHOTOCELLS, OCCUPANCY SENSORS, WIRING, ETC. MUST BE PER MANUFACTURERS RECOMMENDATIONS.
 - CONTROL WIRING MUST BE PER MANUFACTURERS RECOMMENDATION.
 - OCCUPANCY SENSORS PROVIDE AUTO ON/OFF (FIELD SELECTABLE FOR MANUAL ON/AUTO OFF) WITH 20 MIN TIME DELAY DURING AFTER HOUR SERVICE.
 - LOSS OF POWER MUST TURN ALL RELAYS ON.
 - DIAGRAM INDICATES CONTROL DEVICES AND WIRING ONLY. REFER TO LIGHTING DRAWINGS FOR BRANCH CIRCUITS.
 - PROVIDE ADDITIONAL DEVICES FOR FULL COVERAGE OF SPACE AS DIAGRAMS INDICATE DESIGN INTENT.
 - EACH SWITCH STATION MUST BE ABLE TO TURN ON/OFF EACH LIGHTING ZONE, RAISE/LOWER EACH LIGHTING ZONE AND AUTOMATICALLY CONTROL THE LIGHTING ZONES FOR DAYLIGHT HARVESTING. THE NUMBER OF PUSHBUTTONS NEEDED WILL VARY FOR DIFFERENT MANUFACTURERS. SWITCH STATIONS MUST HAVE ENGRAVED, LABELED DIRECTORIES ASSIGNED TO PUSHBUTTONS INDICATING CONTROL ZONES (FOR EXAMPLE: "PENDANTS", "WEST WALL" OR "SECOND FLOOR MEZZANINE").
 - CLASSROOMS MUST HAVE A "RESTRICT OFF" FUNCTION WHICH WILL KEEP LIGHTS ON AT MINIMUM LEVEL WHEN AVAILABLE DAYLIGHT TURNS LIGHTS OFF.
 - THE LIGHTING CONTROL SYSTEM MUST BE ACCESSIBLE VIA A WEB BASED GRAPHICAL USER INTERFACE.
 - CONTROLLER MUST HAVE VOLTAGE DIVIDER FOR NORMAL AND EMERGENCY CIRCUITS.
 - PROVIDE BACNET INTERFACE DEVICE SO BAS SYSTEM CAN MONITOR THE STATE OF EACH SENSOR.

1 TYPICAL CONFERENCE RM LIGHTING CONTROL
EL701 SCALE: NOT TO SCALE



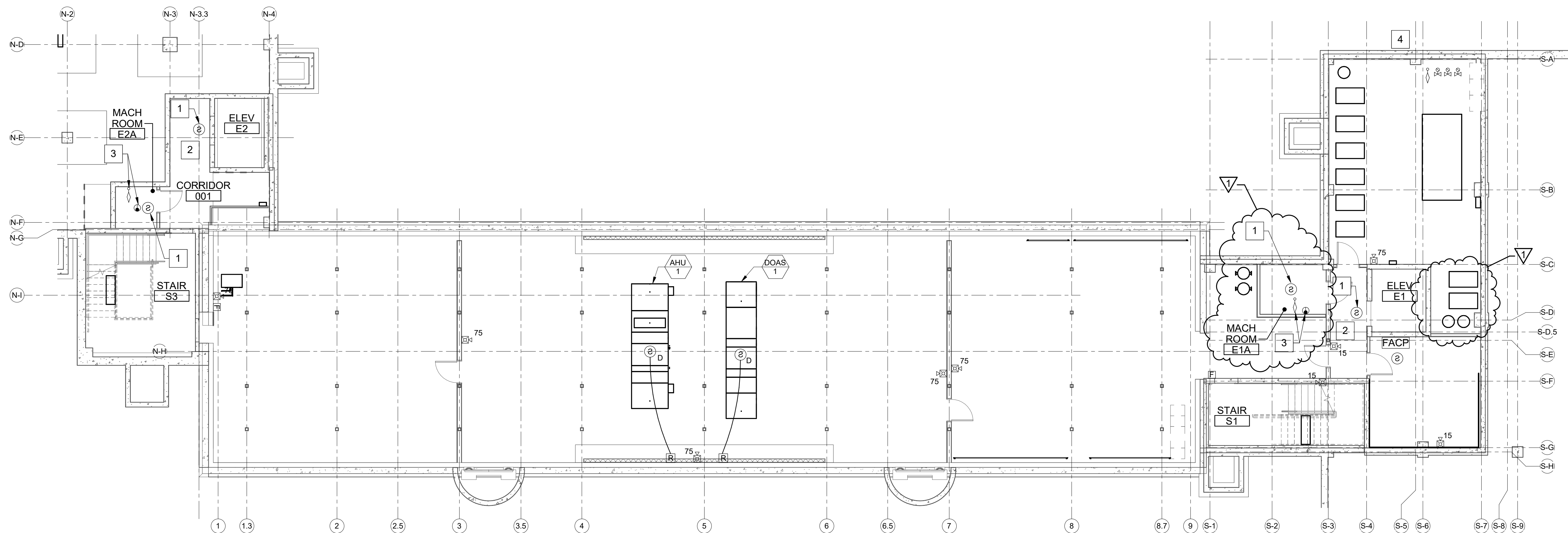
- NOTES:**
- WIRING, COMPONENTS AND INSTALLATION REQUIREMENTS WILL VARY DEPENDING ON SYSTEM.
 - LIGHTING MUST BE CONTROLLED (ON/OFF) VIA LIGHTING CONTROL SYSTEM FOR NORMAL HOURS. OCCUPANCY SENSORS AND PHOTOCELLS MUST TRIGGER 20 MIN TEMPORARY OVERRIDE DURING AFTER HOUR SERVICE.
 - INSTALLATION OF PHOTOCELLS,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

2 TYPICAL LIGHTING CONTROLS DIAGRAM
EL701 SCALE: NOT TO SCALE

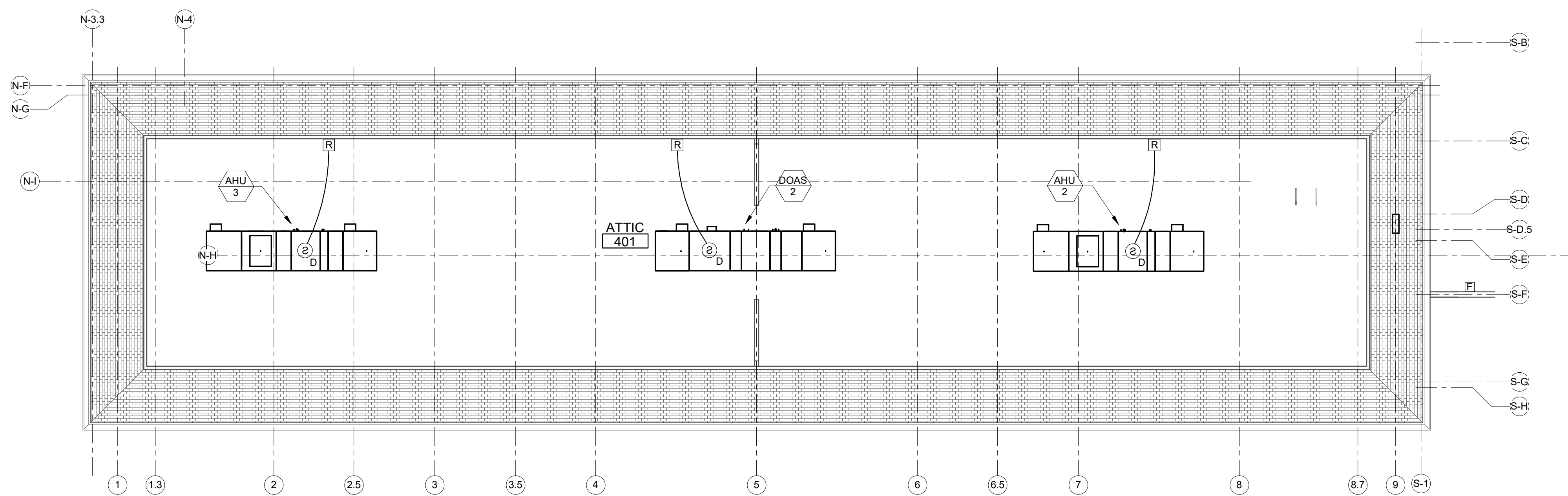
		DEPARTMENT OF INLAND FISHERIES & WILDLIFE	
		TITLE: NEW OFFICE HEADQUARTERS LOCATION: AUGUSTA, ME	
DRAWN BY: RSW		CHECK BY: DCL	
DATE: 01/29/2025		DATE: 01/29/2025	
REVISIONS		228 OF 239	

DRAWING KEYNOTES

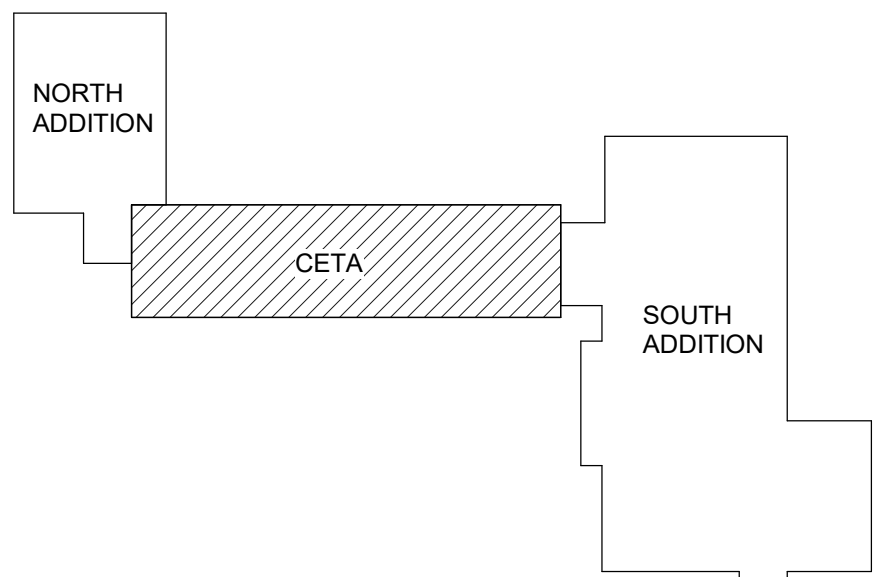
- 1 PROVIDE SMOKE DETECTORS FOR ELEVATOR RECALL.
- 2 PROVIDE AREA OF REFUGE TWO-WAY EMERGENCY COMMUNICATIONS SYSTEM.
- 3 PROVIDE HEAT DETECTOR AND FLOW SWITCH FOR SPRINKLER IN ELEVATOR MACHINE ROOM. ACTUATION MUST SHUT DOWN POWER TO ELEVATOR.
- 4 PROVIDE SPRINKLER BELL.



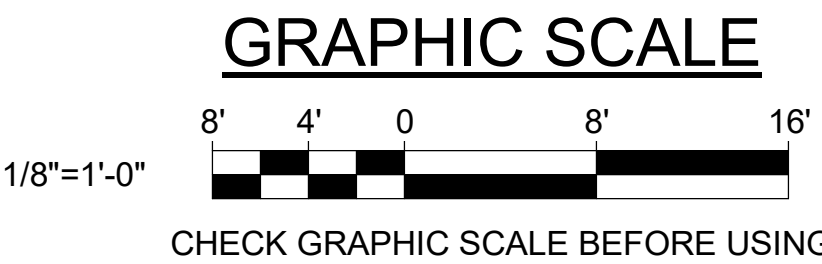
1 BASEMENT FIRE ALARM PLAN
FA104 SCALE: 1/8" = 1'-0"
PLAN NORTH



2 ATTIC FIRE ALARM PLAN
FA104 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 FIRE ALARM PLAN	
				OAK POINT ASSOCIATES	
				DRAWING NO. FA104	
				SHEET NO.	
				238 OF 239	

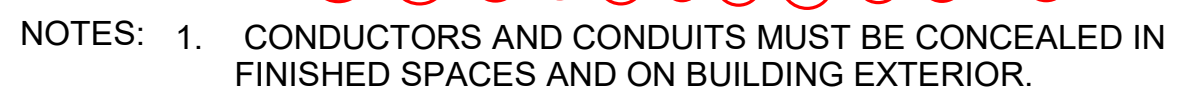
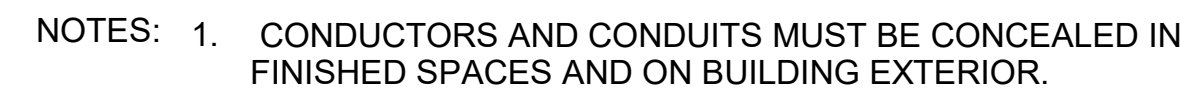
1	03/13/25	ADDENDUM NO.6	DCL	CHECK BY: DCL
NO.	DATE	DESCRIPTION	BY	NO.
REVISIONS				
				DATE 01/29/2025

DALE C. LINCOLN, II No. 10443 LICENSED PROFESSIONAL ENGINEER	231 Main Street, Biddeford, Maine 04005
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1. DESIGN AND PROVIDE A LIGHTNING PROTECTION SYSTEM FOR THE ENTIRE BUILDING. PROVIDE A UL MASTER LABEL. THE LIGHTNING PROTECTION SYSTEM MUST CONFORM TO NFPA 780, UL96, AND UL96A. LIGHTNING PROTECTION INSTALLER MUST PROVIDE MATERIALS AND PROVIDE LABOR THAT IS NECESSARY FOR LIGHTNING PROTECTION SYSTEMS TO RECEIVE A UL MASTER LABEL.

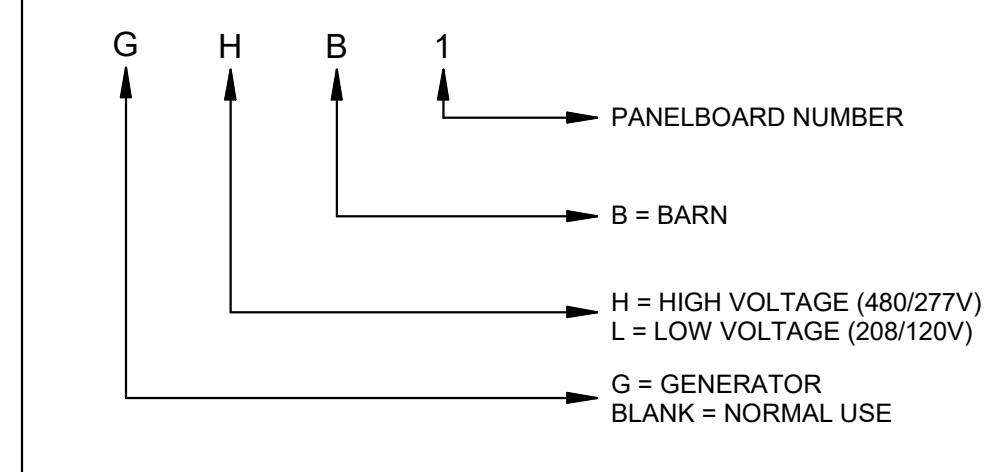
- 1 PROVIDE SURGE PROTECTION. SPD MUST COMPLY WITH REQUIREMENTS OF UL MASTER LABEL LIGHTNING PROTECTION SYSTEM, TYPE 1 SPD.
- 2 PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
- 3 AC-1 POWERED BY OUTDOOR UNIT CU-1.
- 4 PROVIDE GFCI CIRCUIT BREAKER.
- 5 FOR WATER COOLER.
- 6 PROVIDE CIRCUIT 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).



EP101 SCALE: NOT TO SCALE

EP101 SCALE: NOT TO SCALE

The diagram shows a vertical list of numbers: 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. To the left of the list, there are three red cloud-like shapes. The top cloud contains the number 4 and has an arrow pointing to the number 12. The middle cloud contains the number 4 and has an arrow pointing to the number 8. The bottom cloud contains the number 9 and has an arrow pointing to the number 8. This illustrates the distributive property: $12 = 4 + 8$ and $8 = 4 + 4$.



TRANSFORMER SCHEDULE		
TAG	KVA	VOLTS
-	-	480Δ- 208Y/120

4' 2' 0 4' 8'

1/4"=1'-0"

8' 4' 0 8' 16'

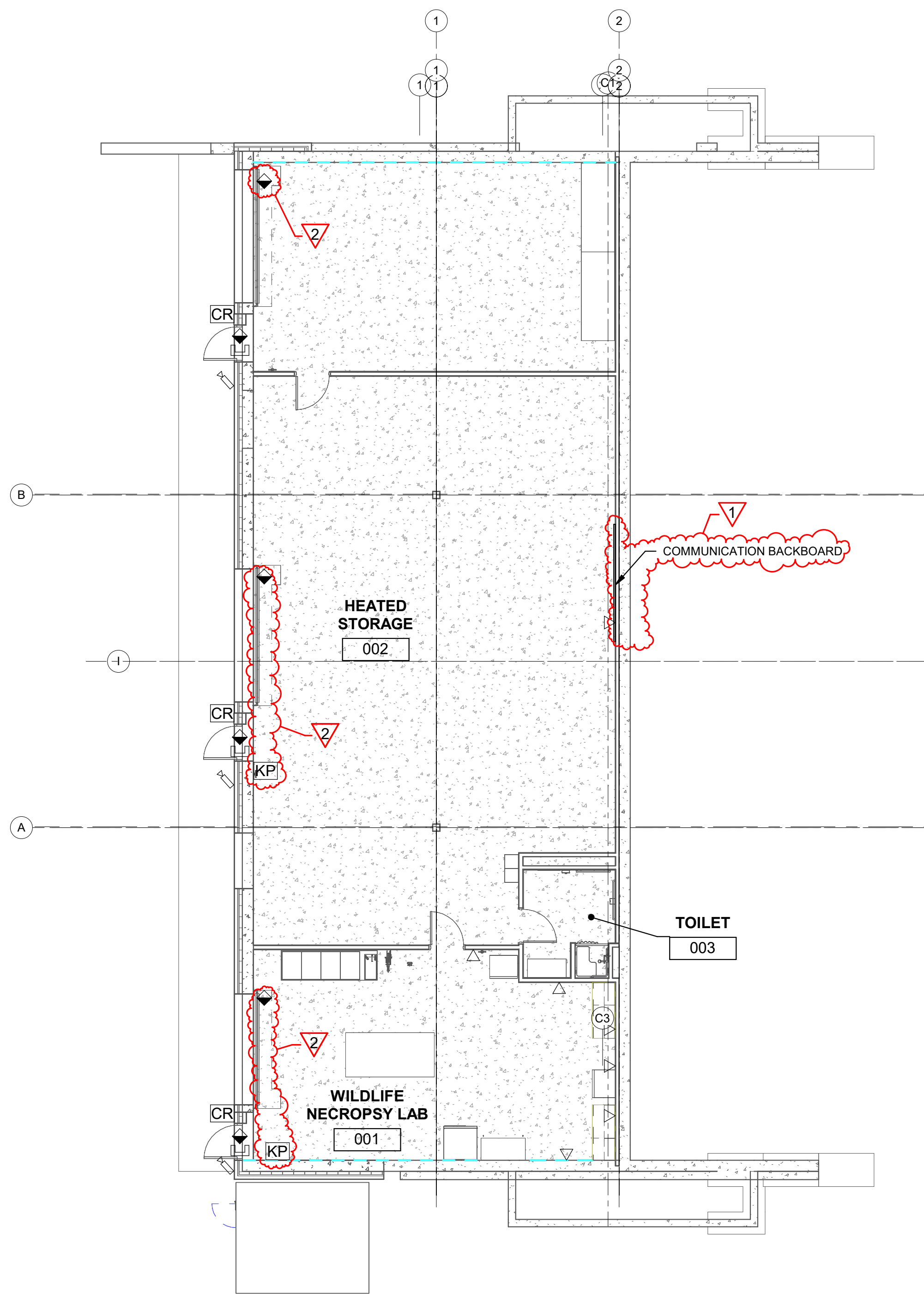
1/8"=1'-0"

CHECK GRAPHIC SCALES BEFORE USING

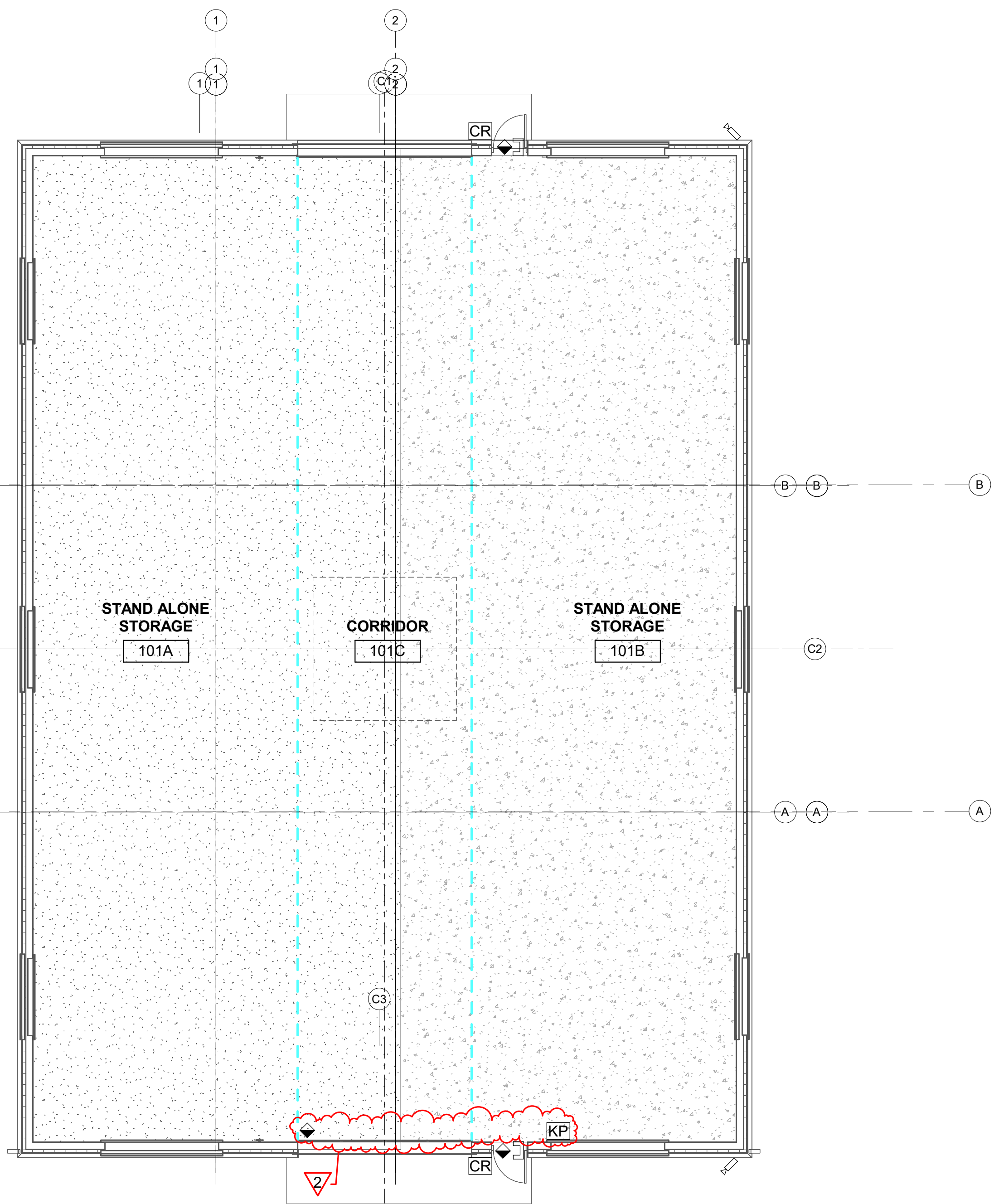
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DRAWING NOTE

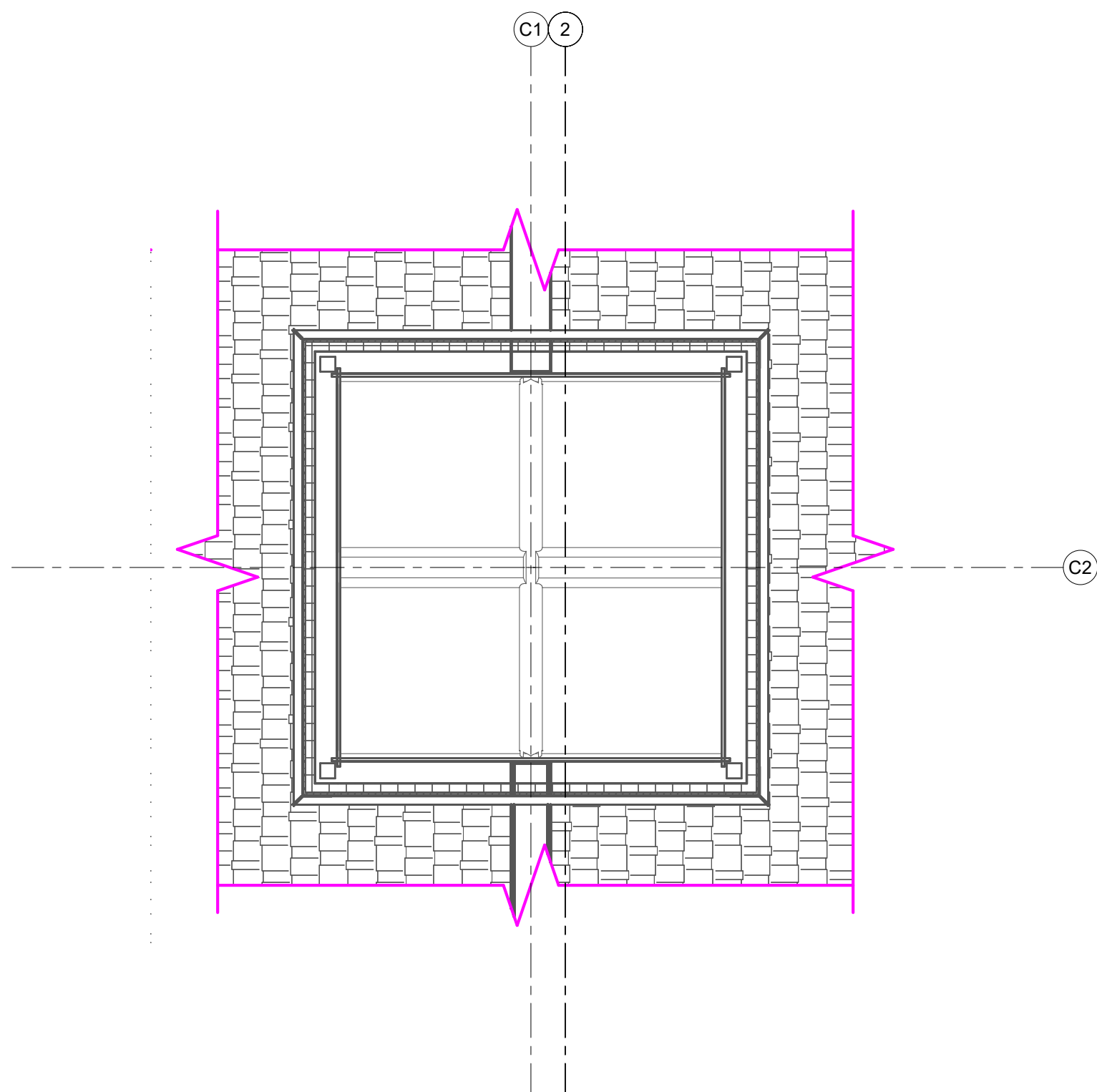
1. PROVIDE PATHWAYS AND BOXES FOR COMMUNICATIONS AND ELECTRONIC SECURITY SYSTEMS, INCLUDING CONDUIT AND J-HOOKS. BACKBONE CABLING, HORIZONTAL CABLING, JACKS, FACEPLATES, RACKS, PATCH PANELS, AND SWITCHES, PROVIDED BY OTHERS.



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



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



3 BASE CUPOLA TECHNOLOGY PLAN
ET101/ SCALE: 1/4" = 1'-0" PLAN NORTH

ROUTE CONDUIT TO COMMUNICATIONS ROOM/AREA. J-HOOK PATHWAY OR CABLE TRAY

SUPPORT CONDUIT FROM STRUCTURE (TYPICAL)

WHERE CONDUITS EXTEND THRU RATED WALL ASSEMBLIES, PROVIDE APPROVED FIRE SEALS AT OPENINGS (TYP)

CONDUIT SET SCREW CONNECTOR AND THREAD ON INSULATED BUSHING (TYP)

1" EMT CONDUIT CONCEALED IN WALLS

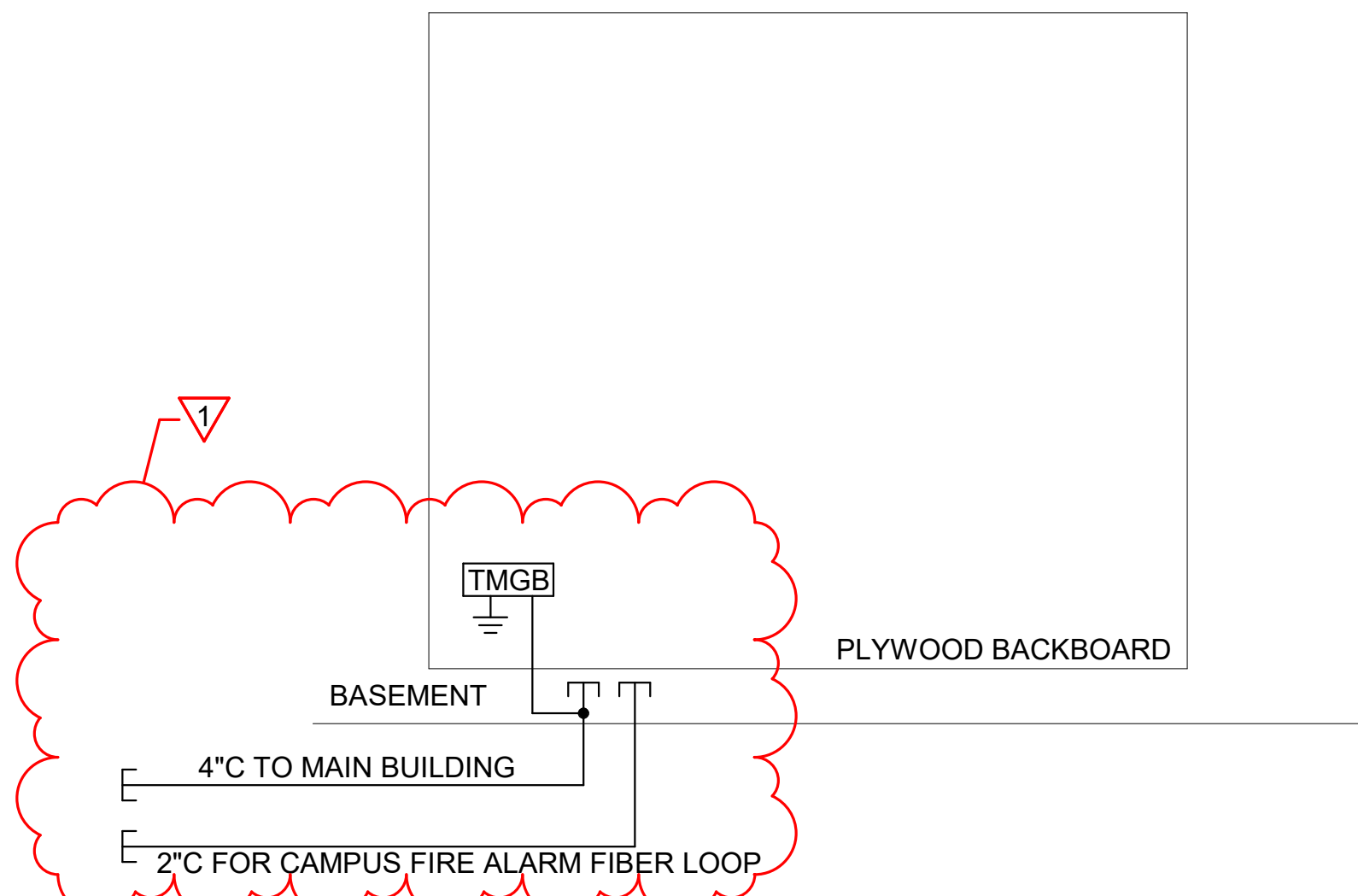
WALL OUTLET 4-11/16" SQUARE BOX AND 2-1/8" DEEP BOX WITH 1-GANG RAISED UTILITY COVER JACK AND COVER PLATE.

COMBINATION DATA/VOICE OUTLET 4-11/16" SQUARE BOX AND 2-1/8" DEEP BOX WITH 1-GANG RAISED RING, JACKS AND COVER PLATE.

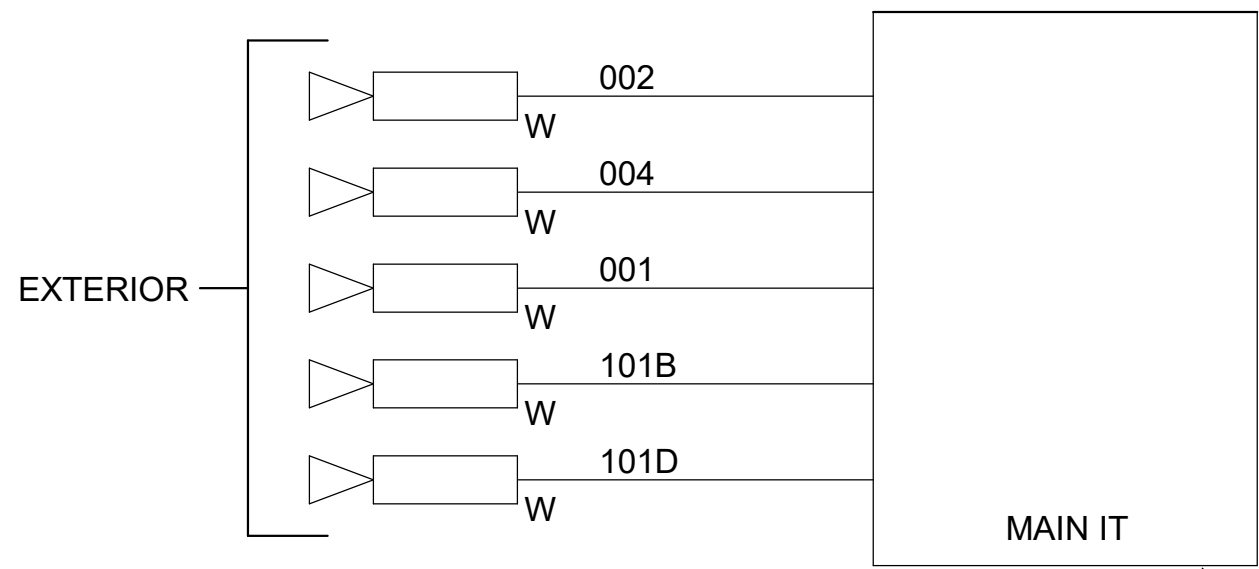
TELECOMMUNICATIONS PATHWAY DETAIL NOTES:

1. PROVIDE CONCEALED CONDUITS AND RECESSED BOXES EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
2. PROVIDE SURFACE RACEWAYS AND SURFACE RACEWAY BOXES WHERE INDICATED. BASIS OF DESIGN: WIREMOLD 2000 SERIES PRODUCTS.
3. PROVIDE SEPARATE PATHWAYS SYSTEM FOR DATA SYSTEMS.
4. TYPICAL AT EACH DATA/TELEPHONE OUTLET SHOWN ON PLANS
5. PROVIDE ACOUSTIC AND AIR SEALING FOR BOXES. REFER TO ARCHITECTURAL AND ACOUSTIC SPECIFICATIONS.
6. CABLING FOR AV AND THEATRICAL SYSTEMS MUST BE COMPLETELY IN CONDUIT.

4 TELECOMMUNICATIONS PATHWAY DETAIL
ET101/ SCALE: NOT TO SCALE

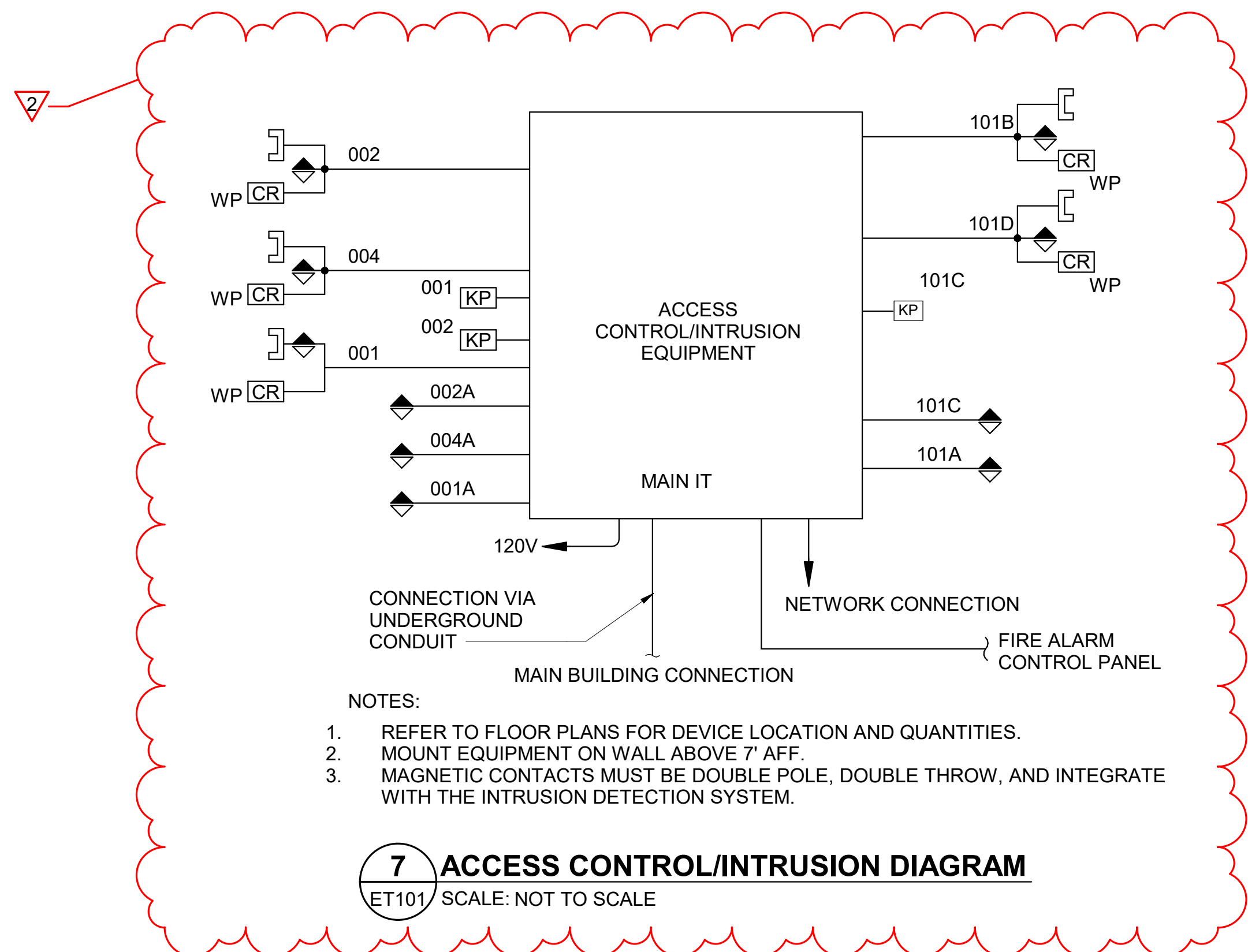


5 COMMUNICATIONS ONE-LINE DIAGRAM
ET101/ SCALE: NOT TO SCALE

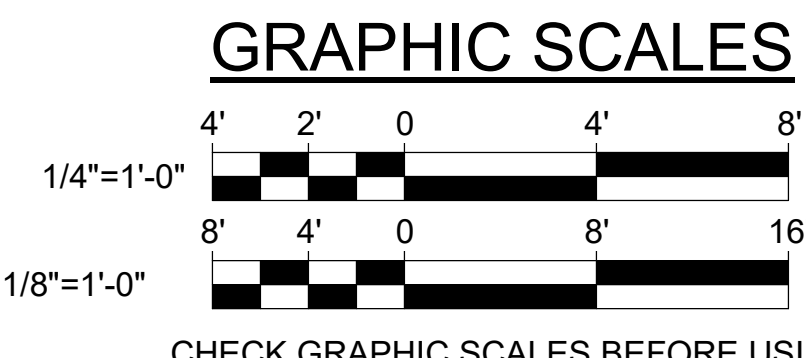


- NOTES:
1. REFER TO FLOOR PLANS FOR DEVICE LOCATION AND QUANTITIES.

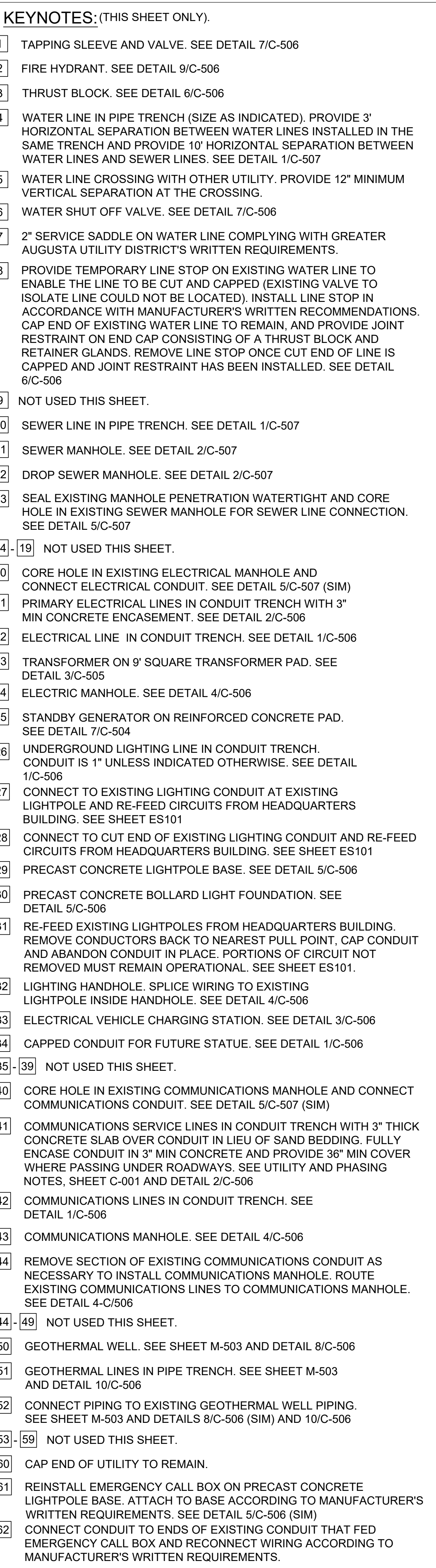
6 IP CAMERA SYSTEM (VIDEO SURVEILLANCE)
ET101/ SCALE: NOT TO SCALE



7 ACCESS CONTROL/INTRUSION DIAGRAM
ET101/ SCALE: NOT TO SCALE



DEPARTMENT OF INLAND FISHERIES & WILDLIFE			
TITLE: STORAGE BARN			
LOCATION: AUGUSTA, ME			
TITLE THIS DWG: BASEMENT, FIRST FLOOR, AND CUPOLA TECHNOLOGY FLOOR PLANS			
OAK POINT ASSOCIATES			
DRAWN BY: BPD			
CHECK BY: DCL			
DATE: 01/29/2025			
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	03/13/25	ADDENDUM NO.6	DCL
1	03/06/25	ADDENDUM NO.5	DCL
1	03/06/25	DESCRIPTION	BY
47 OF 48			



GRAPHIC SCALE

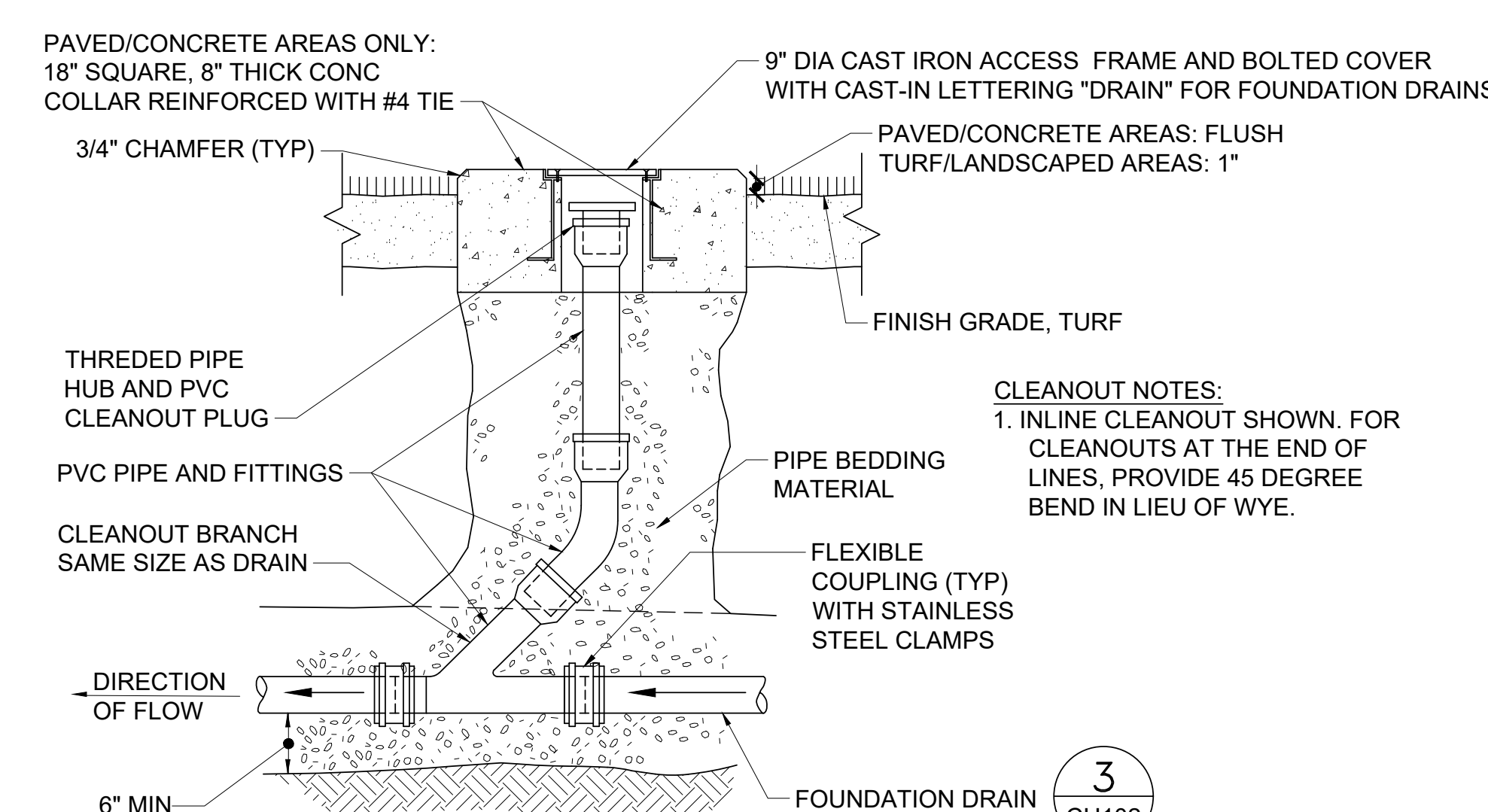
30' 15' 0 30' 90'

1"=30'

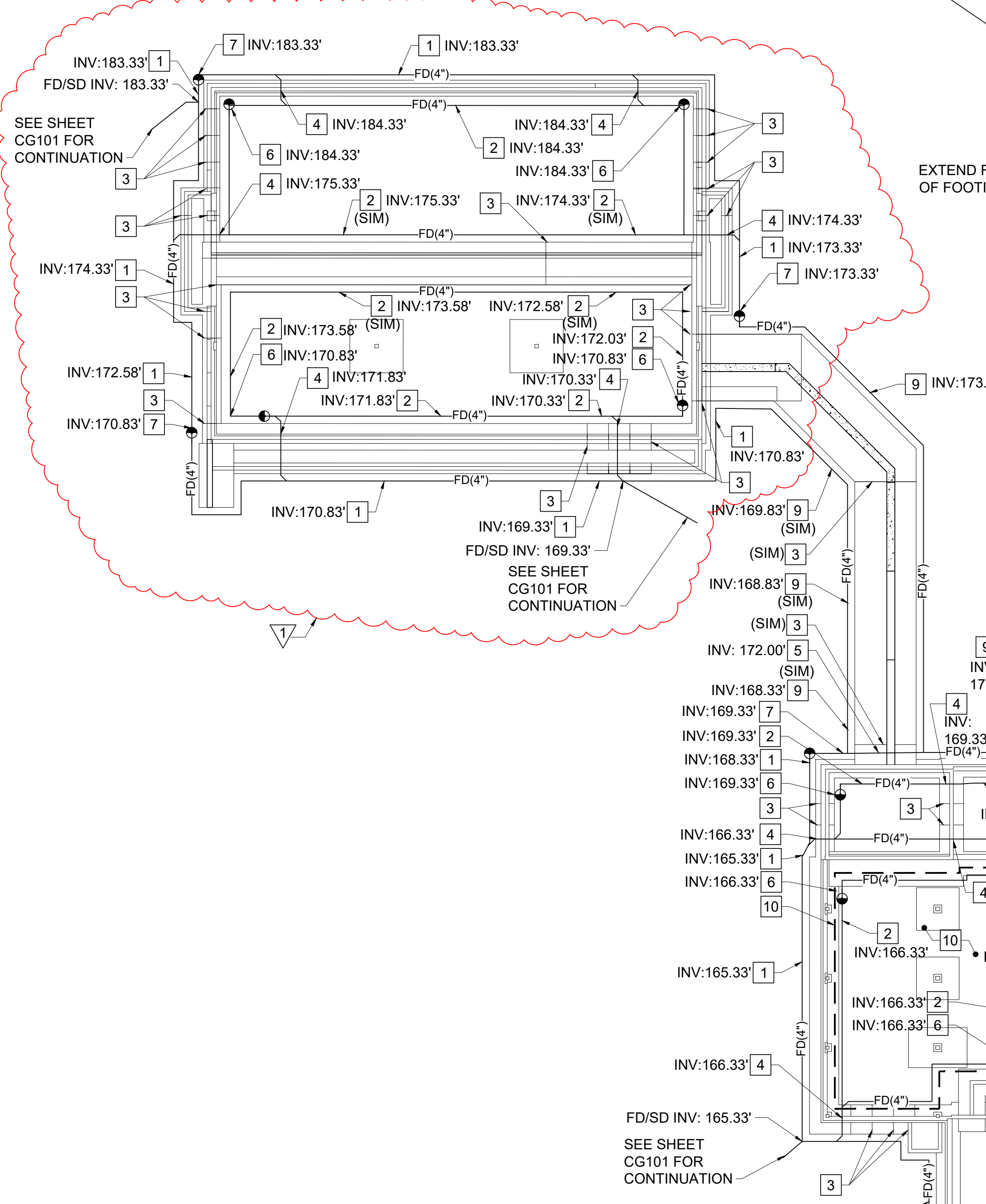
CHECK GRAPHIC SCALE BEFORE USING

NOTES:

1. SEE SHEET CU102 FOR FOUNDATION DRAIN PIPING.
2. SEE SHEET CG101 FOR STORM DRAIN PIPING.
3. SEE SHEET ES101 FOR LIGHTING AND EXTERIOR ELECTRICAL WIRING INFORMATION.



2 FOUNDATION DRAIN CLEANOUT DETAIL
CU102, CU102 NOT TO SCALE



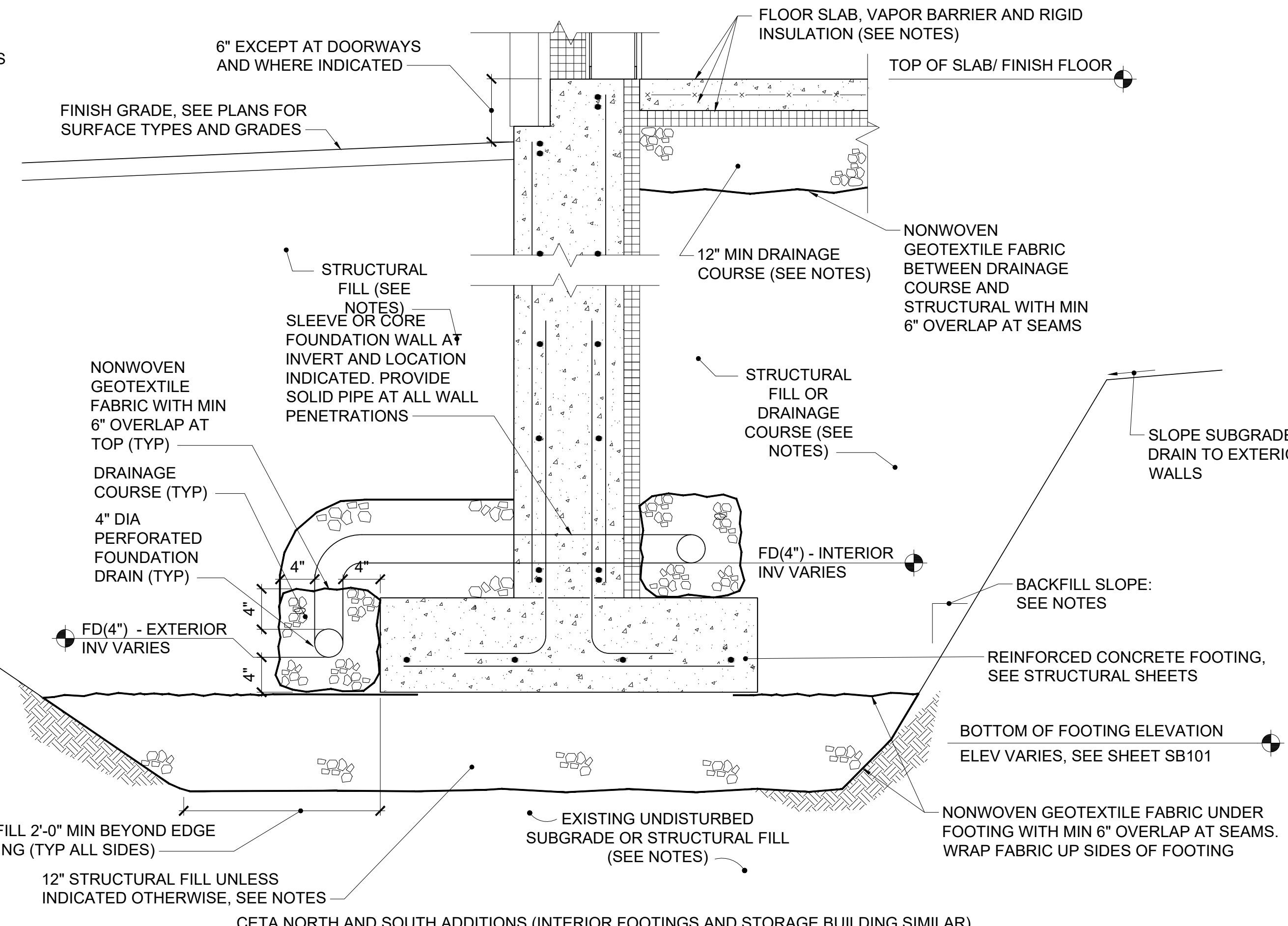
KEYNOTES: (THIS SHEET ONLY)

- 1 EXTERIOR FOUNDATION DRAIN. SEE DETAIL 3/CU102
- 2 INTERIOR FOUNDATION DRAIN. SEE DETAIL 3/CU102
- 3 STEP FOOTING. SEE SHEETS SB102-SB104.
- 4 SLEEVE OR CORE FOUNDATION WALL (FOUNDATION DRAIN LINE INVERT ELEVATION INDICATED). COORDINATE WITH FOUNDATION PLAN, SEE SHEETS SB102-SB104.
- 5 BELOW FOOTING FOUNDATION DRAIN CONNECTION (INVERT AS NOTED). SEE DETAIL 4/CU102
- 6 INTERIOR FOUNDATION DRAIN CLEANOUT (INVERT ELEVATION AT FOUNDATION DRAIN INDICATED).
- 7 EXTERIOR FOUNDATION DRAIN CLEANOUT (INVERT ELEVATION AT FOUNDATION DRAIN INDICATED). SEE DETAIL 2/CU102
- 8 STORM DRAIN LINE IN PIPE TRENCH. SEE DETAIL 1/C-507
- 9 RETAINING WALL FOOTING DRAIN. SEE SHEET SB505
- 10 PROVIDE DRAINAGE FILL INSTEAD OF STRUCTURAL FILL FOR FOOTING BACKFILL. SEE DETAIL 3/CU102

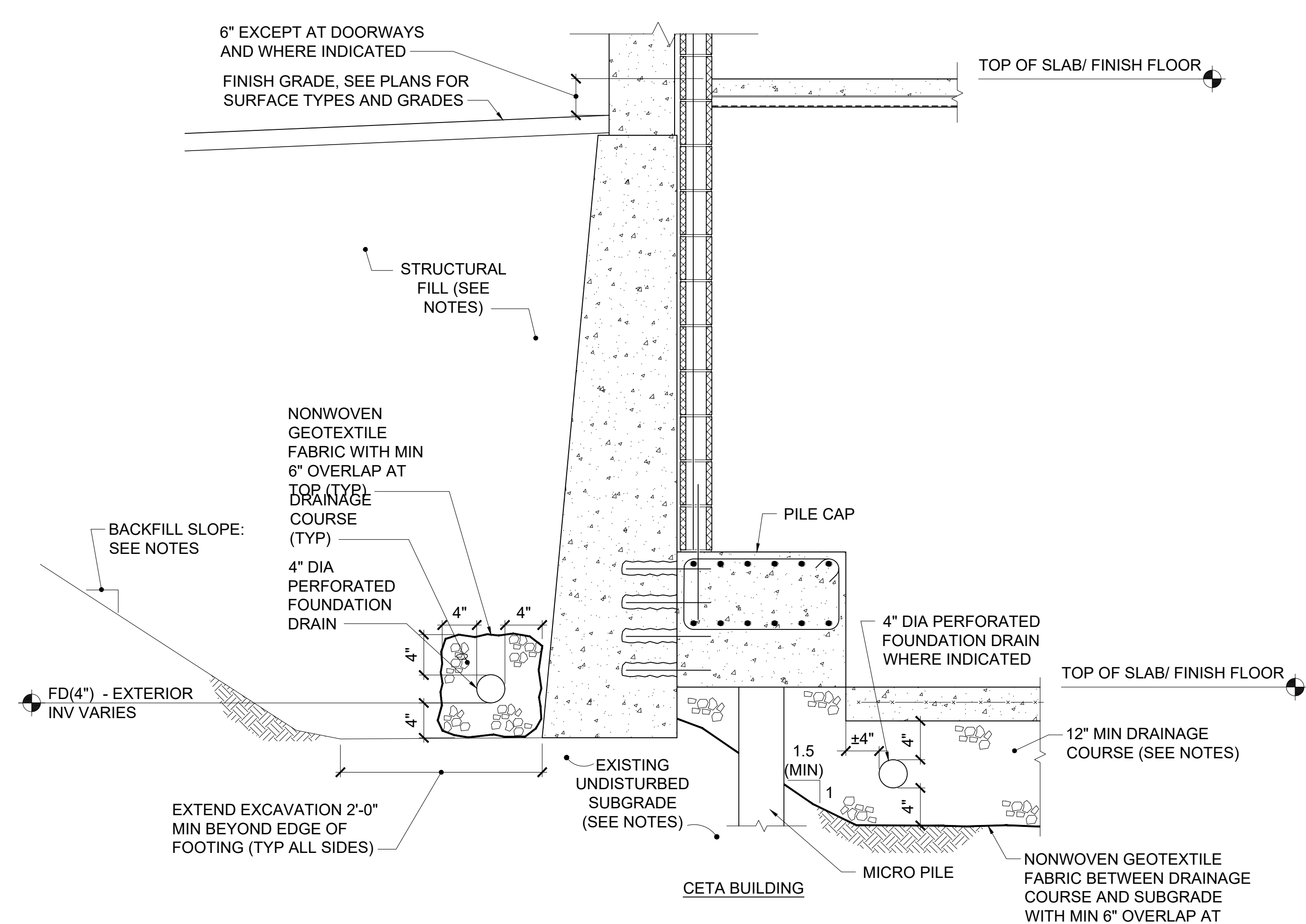
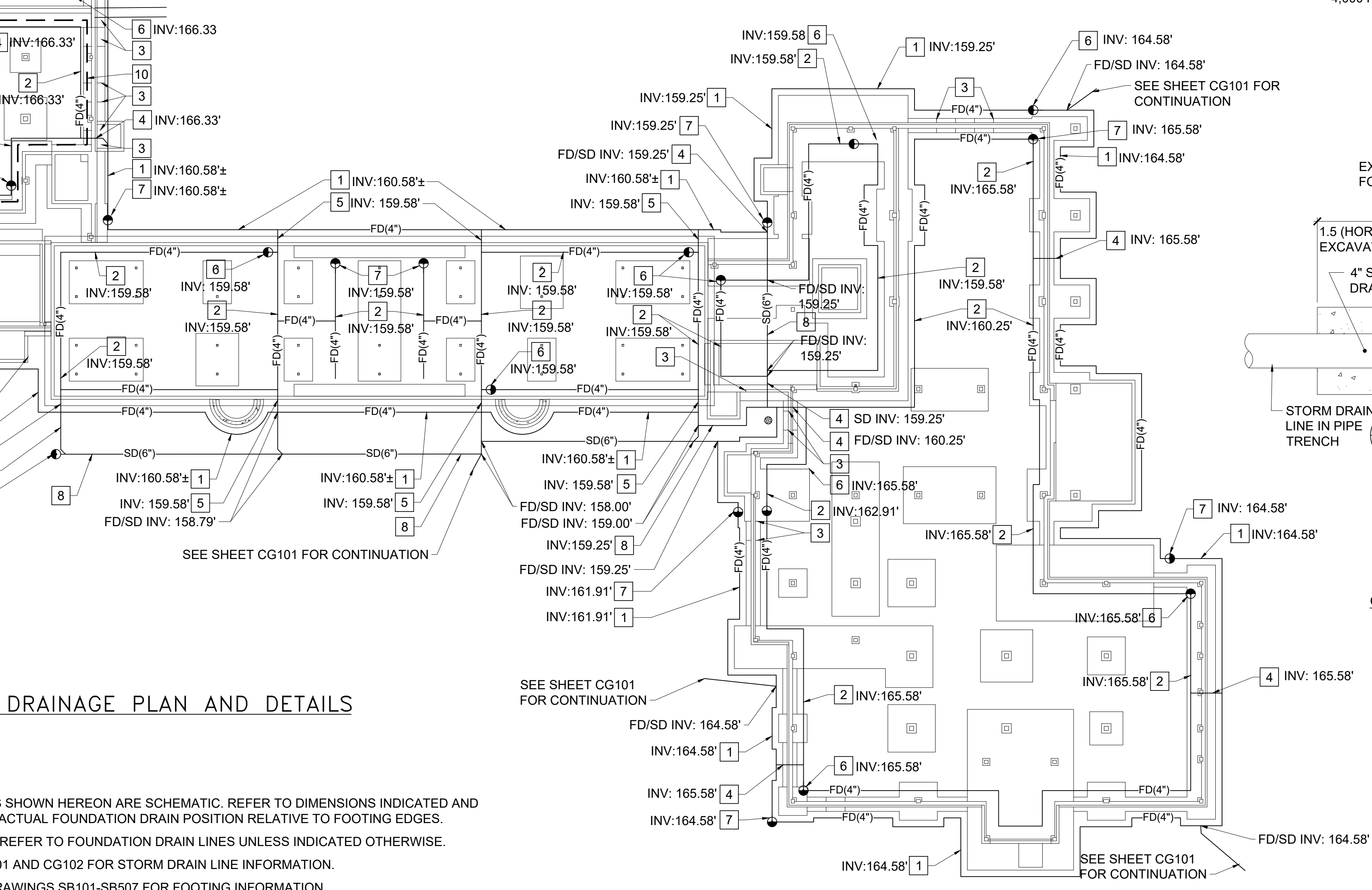
1 FOUNDATION DRAINAGE PLAN AND DETAILS
CU102 SCALE: 1/16"=1'-0"

NOTES:

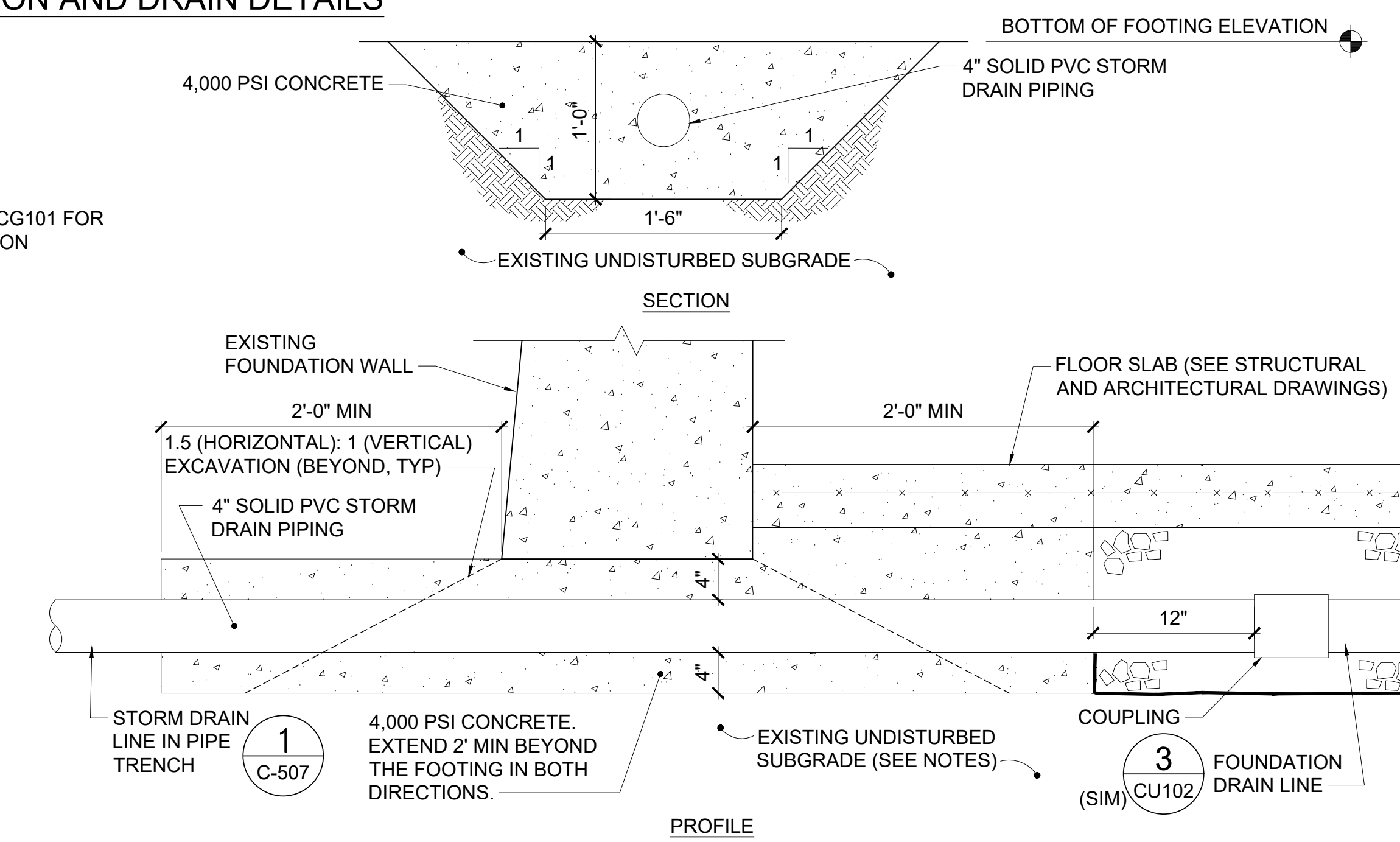
1. FOUNDATION DRAINS SHOWN HEREON ARE SCHEMATIC. REFER TO DIMENSIONS INDICATED AND DETAIL 3/CU102 FOR ACTUAL FOUNDATION DRAIN POSITION RELATIVE TO FOOTING EDGES.
2. INVERT ELEVATIONS REFER TO FOUNDATION DRAIN LINES UNLESS INDICATED OTHERWISE.
3. SEE DRAWINGS CG101 AND CG102 FOR STORM DRAIN LINE INFORMATION.
4. SEE STRUCTURAL DRAWINGS SB101-SB507 FOR FOOTING INFORMATION.



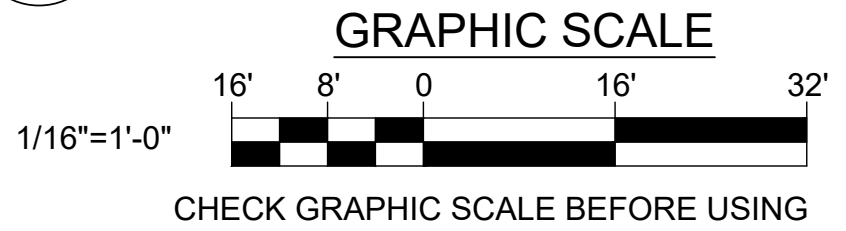
3 FOUNDATION PREPARATION AND DRAIN DETAILS
CU102, SB101-SB507 CU102 NOT TO SCALE



1. REFER TO THE PROJECT SPECIFICATIONS AND THE GEOTECHNICAL REPORT (INCLUDED IN THE PROJECT SPECIFICATIONS) FOR ADDITIONAL SOIL EXCAVATION, RE-FILL, COMPACTION, NOTIFICATION, INSPECTION AND HANDLING REQUIREMENTS.
2. NOTIFY ARCHITECT AND GEOTECHNICAL ENGINEER OF RECORD WHEN FOOTING AND SLAB SUBGRADES ARE REACHED TO ALLOW FOR SUBGRADE INSPECTION. DO NOT PROCEED WITH SUBGRADE COMPACTION OR FOOTING/SLAB INSTALLATION UNTIL THE GEOTECHNICAL ENGINEER OF RECORD HAS HAD THE OPPORTUNITY TO CONFIRM THEY COMPLY WITH THE ASSUMPTIONS MADE IN THE GEOTECHNICAL REPORT.
3. COMPLETELY REMOVE FILL, TOPSOIL, SOIL WITH ROOTS AND ORGANICS, DISTURBED SOIL, AND OBSTRUCTIONS SUCH AS RUBBLE, REMNANT STRUCTURES AND FOUNDATIONS, AND UTILITIES FROM BENEATH THE BUILDING FOOTPRINTS UNTIL NATURALLY DEPOSITED INORGANIC SOIL IS ENCOUNTERED. THE REMOVAL MUST EXTEND 1' Laterally FROM THE OUTSIDE EDGE OF PERIMETER FOOTINGS FOR EVERY 1' OF EXCAVATION DEPTH. BACKFILL WITH STRUCTURAL FILL AS DIRECTED BY THE ARCHITECT AND GEOTECHNICAL ENGINEER OF RECORD.
4. EXISTING NATURALLY OCCURRING INORGANIC SOIL SUBGRADE IS SUSCEPTIBLE TO STRENGTH LOSS IF DISTURBED. EXCAVATE FOR FOOTINGS USING A SMOOTH-EDGED BUCKET TO PREVENT DISTURBANCE. IF SUBGRADE BECOMES WET OR DISTURBED, OVER-EXCAVATE AND RE-FILL WITH SUITABLE MATERIAL AS DIRECTED BY THE OWNER/ARCHITECT AT NO COST TO THE OWNER.
5. COMPACT DEWATERED SUBGRADE GRANULAR SOIL WITHIN THE BUILDING AREA PRIOR TO PLACING STRUCTURAL FILL UP TO THE BOTTOM OF THE DRAINAGE COURSE LAYER BELOW THE FLOOR SLABS. REMOVE SOIL IN AREAS THAT BECOME SOFT OR CONTINUE TO YIELD AND RE-FILL WITH STRUCTURAL FILL AS DIRECTED BY THE ARCHITECT AND GEOTECHNICAL ENGINEER OF RECORD.
6. BACKFILL WITH STRUCTURAL FILL WITHIN 2' OF THE EXTERIOR SIDE OF EXTERIOR FOOTINGS/FOUNDATION WALLS AND WITHIN 5' OF THE INTERIOR SIDE OF FOOTINGS/FOUNDATION WALLS AND THE EXTERIOR SIDE OF STOOPS.
7. BACKFILL MATERIAL IS STRUCTURAL FILL EXCEPT WHERE INDICATED OTHERWISE. REFER TO THE FOUNDATION DRAINAGE PLAN ON THIS SHEET FOR AREAS WHERE DRAINAGE COURSE IS BEING USED IN LIEU OF STRUCTURAL FILL.
8. MAXIMUM PARTICLE SIZE IN ANY MATERIAL WITHIN 2' OF FOOTINGS, FOUNDATION WALLS AND FLOOR SLABS MUST BE LESS THAN 3".
9. FLOOR SLABS MUST BEAR ON 12" MIN DRAINAGE COURSE OVER EXISTING UNDISTURBED NATURALLY DEPOSITED INORGANIC SUBGRADE OR STRUCTURAL FILL.
10. FOOTINGS MUST BEAR ON 12" MIN STRUCTURAL FILL ENCAPSULATED IN NONWOVEN GEOTEXTILE FABRIC UNLESS THEY ARE INDICATED TO BEAR DIRECTLY ON BEDROCK. FOR FOOTINGS BEARING ON BEDROCK, CLEAN SURFACES TO REMOVE LOOSE ROCK AND PROVIDE 2,000 PSI MIN CONCRETE LEVELING PAD WHERE NECESSARY TO CREATE A LEVEL SURFACE FOR FOOTINGS. PITCH ROCK BEARING SUBGRADES NO STEPER THAN 4 (HORIZONTAL):1 (VERTICAL).
11. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR FOOTING AND FOUNDATION WALL, INSULATION, VAPOR BARRIER AND FOUNDATION WALL WATERPROOFING INFORMATION.
12. PROTECT INTERIOR SUBGRADES, FOUNDATIONS, AND FLOOR SLABS DURING FREEZING CONDITIONS.
13. USE ONLY VIBRATORY PLATE COMPACTORS AND/OR WALK BEHIND ROLLERS TO COMPACT BACKFILL WITHIN 100 PERCENT OF THE RETAINING WALL HEIGHT.
14. DO NOT EXCAVATE BELOW THE EXISTING FOUNDATION EXCEPT WHERE INDICATED. SHOULD EXCAVATIONS EXTEND BELOW THE EXISTING BOTTOM OF FOOTING ELEVATION, NOTIFY THE ARCHITECT IN WRITING AND FILL THE EXCAVATION WITH CONCRETE AS DIRECTED BY THE ARCHITECT AND THE GEOTECHNICAL ENGINEER OF RECORD.
15. SLOPE BACKFILL AS FOLLOWS:
AREAS BEHIND RETAINING WALLS: 3 (HORIZONTAL): 1 (VERTICAL) UNLESS INDICATED OTHERWISE
PAVED AREAS WITHIN 5' OF BUILDING FACE: 3 (HORIZONTAL): 1 (VERTICAL)
TURF AREAS AND AREAS INSIDE THE BUILDING: 1.5 (HORIZONTAL): 1 (VERTICAL)



4 BELOW FOUNDATION DRAIN CONNECTION DETAIL
CU102, CU102 NOT TO SCALE



CHECK GRAPHIC SCALE BEFORE USING			
NO.	DATE	DESCRIPTION	BY
1	03/13/25	ADDENDUM 6	JSD
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	01/29/2025		SES

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS

LOCATION AUGUSTA, MAINE

TITLE THIS DWG. FOUNDATION DRAINAGE PLAN AND DETAILS

OAK POINT ASSOCIATES

207.850.0193

207.850.0193

27 OF 239

JONAH DEWATERS

N. 12273

2025

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1

03/13/25

ADDENDUM 6

JSD

DRAWN BY: JSD

CHECK BY: SES

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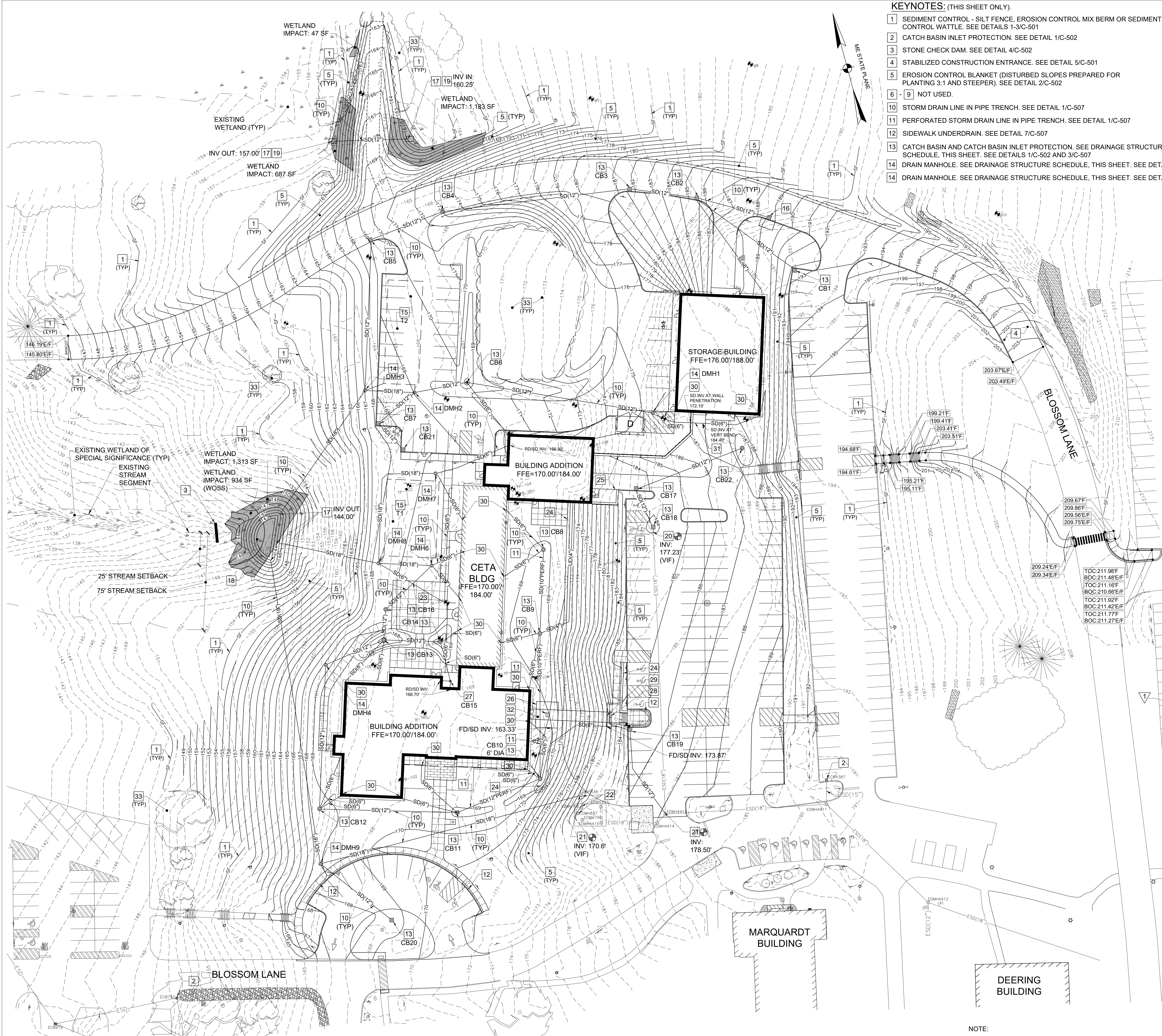
03/13/25

ADDENDUM 6

JSD

DRAWN BY: JSD

CHECK BY: SES



KEYNOTES: (THIS SHEET ONLY).

- 1 SEDIMENT CONTROL - SILT FENCE, EROSION CONTROL MIX BERM OR SEDIMENT CONTROL WATTLE. SEE DETAILS 1-3/C-501
- 2 CATCH BASIN INLET PROTECTION. SEE DETAIL 1/C-502
- 3 STONE CHECK DAM. SEE DETAIL 4/C-502
- 4 STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL 5/C-501
- 5 EROSION CONTROL BLANKET (DISTURBED SLOPES PREPARED FOR PLANTING 3:1 AND STEEPER). SEE DETAIL 2/C-502
- 6 - 9 NOT USED.
- 10 STORM DRAIN LINE IN PIPE TRENCH. SEE DETAIL 1/C-507
- 11 PERFORATED STORM DRAIN LINE IN PIPE TRENCH. SEE DETAIL 1/C-507
- 12 SIDEWALK UNDERDRAIN. SEE DETAIL 7/C-507
- 13 CATCH BASIN AND CATCH BASIN INLET PROTECTION. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET. SEE DETAILS 1/C-502 AND 3/C-507
- 14 DRAIN MANHOLE. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET. SEE DETAIL 3/C-507
- 14 DRAIN MANHOLE. SEE DRAINAGE STRUCTURE SCHEDULE, THIS SHEET. SEE DETAIL 3/C-507

- 15 STORMWATER TREATMENT AREA: UNDERDRAINED SUBSURFACE SAND FILTER. SEE DETAIL 1/C-508
- 16 STORMWATER TREATMENT AREA: TREE BOX FILTER. SEE DETAIL 3/C-508
- 17 FLARED END SECTION (INVERT AS NOTED).
- 18 LEVEL LIP SPREADER/ENERGY DISSIPATOR. SEE DETAIL 5/C-502
- 19 PIPE INLET/OUTLET PROTECTION. SEE DETAIL 3/C-502
- 20 CONNECT TO EXISTING STORM DRAIN LINE (INVERT AS NOTED). SEE DETAIL 5/C-507
- 21 CORE HOLE IN EXISTING DRAINAGE STRUCTURE AND CONNECT STORM DRAIN LINE (INVERT AS NOTED). SEE DETAIL 5/C-507
- 22 RESET MANHOLE RIM TO MATCH FINISH GRADE. SEE SHEET CG102
- 23 PROVIDE 12" MIN VERTICAL SEPARATION BETWEEN STORM DRAIN LINES AT CROSSING.
- 24 DRY STACKED STONE WALL. SEE DETAIL 4/C-505
- 25 CONCRETE RETAINING WALL. SEE SHEETS SB011, SB505, SB506 AND AE403
- 26 BRIDGE SUPPORT AND FOUNDATION DRAIN. SEE SHEET SB507 AND DETAIL 3/CU102
- 27 DRAIN BASIN. SEE DETAIL 4/C-507
- 28 TRENCH DRAIN. SEE DETAIL 8/C-507
- 28 RIM ELEV: 183.53'
- 28 VERTICAL BEND INV: 181.25'
- 29 BRIDGE ABUTMENT AND FOUNDATION DRAIN. SEE SHEET SB507 AND DETAIL 3/CU102
- 30 DOWNSPOUT/STORM DRAIN CONNECTION. SEE DETAIL 13/AE502
- 31 22.5" VERTICAL BEND WITH CLEANOUT AT UPPER BEND. SEE DETAIL 2/CU102 (SIM)
- 32 PEDESTRIAN BRIDGE. SEE SHEET AE403
- 33 PLANT PROTECTION ZONE.

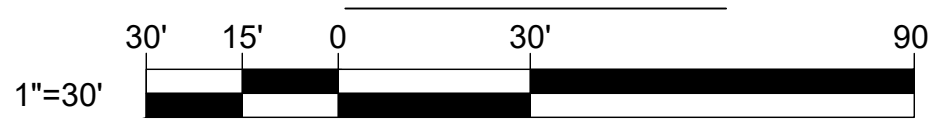
DRAINAGE STRUCTURE SCHEDULE

STRUCTURE	RIM ELEVATION	INVERT IN (SIZE)	INVERT OUT (SIZE)	REMARKS
CB1	192.62 (0.1' BELOW NORMAL FG)	-	188.72 (12")	
CB2	185.34 (0.1' BELOW NORMAL FG)	182.30 (12")	181.77 (12")	FROM TREE BOX FILTER
-	-	181.87 (12")	-	
-	-	181.87 (6")	-	FOUNDATION DRAIN OUTLET
CB3	181.58 (0.1' BELOW NORMAL FG)	177.58 (12")	177.48 (12")	
CB4	172.90 (0.1' BELOW NORMAL FG)	168.90 (12")	168.80 (12")	
CB5	168.98 (0.1' BELOW NORMAL FG)	164.98 (12")	164.88 (12")	
CB6	167.95	164.43 (12")	164.33 (12")	
-	-	164.43 (6")	-	FOUNDATION DRAIN OUTLET
CB7	167.46 (0.1' BELOW NORMAL FG)	163.56 (12")	163.46 (12")	
CB8	168.75	164.73 (2-6")	164.63 (10" PERF)	FROM DOWNSPOUTS
CB9	168.11	164.01 (10" PERF)	163.91 (10" PERF)	
-	-	164.01 (2-6")	-	FROM DOWNSPOUTS
-	-	164.01 (4")	-	UNDERDRAIN FROM RETAINING WALL
CB10	168.50	162.82 (10" PERF)	162.72 (12" PERF)	6" DIAMETER STRUCTURE
-	-	164.50 (2-6")	-	FROM DOWNSPOUTS
-	-	164.50 (4")	-	UNDERDRAIN FROM RETAINING WALL
-	-	162.82 (6")	-	BRIDGE ABUTMENT FOUNDATION DRAINS
-	-	162.82 (6")	-	FOUNDATION DRAIN OUTLET
CB11	168.88	162.02 (12" PERF)	161.92 (12")	
-	-	163.52 (2-6")	-	FROM DOWNSPOUTS
CB12	168.33	160.93 (12")	160.83 (12")	
-	-	163.83 (2-6")	-	FROM DOWNSPOUTS
-	-	160.93 (6")	-	FOUNDATION DRAIN OUTLET
CB13	166.94	159.18 (12")	159.08 (12")	FROM DMH4
-	-	161.68 (12")	-	FROM CB14
-	-	161.68 (6")	-	FROM DOWNSPOUT
-	-	161.68 (6")	-	FOUNDATION DRAIN OUTLET
CB14	167.28	164.09 (12")	163.99 (12")	
-	-	164.09 (6")	-	FROM DOWNSPOUT
CB15	169.25	-	165.75 (12")	DRAIN BASIN. SEE DETAIL 4/C-507
-	-	166.20 (2-6")	-	FROM ROOF DRAINS
CB16	168.55	158.87 (12")	158.77 (12")	
CB17	183.39 (0.1' BELOW NORMAL FG)	179.66 (12")	179.56 (12")	
CB18	183.80 (0.1' BELOW NORMAL FG)	177.35 (12")	177.25 (18")	
CB19	185.54 (0.1' BELOW NORMAL FG)	181.54 (4")	180.87 (12")	SIDEWALK UNDERDRAINS
-	-	180.97 (4")	-	TRENCH DRAIN
CB20	168.25	-	164.25 (12")	
CB21	168.39 (0.1' BELOW NORMAL FG)	-	164.39 (12")	
CB22	186.50	183.50 (12")	-	
DMH1	175.30	171.30 (2-6")	168.90 (12")	FROM DOWNSPOUTS
-	-	169.00 (6")	-	FOUNDATION DRAIN OUTLET
DMH2	169.00	163.12 (12")	163.02 (12")	6" DIAMETER TO TREATMENT AREA. SEE DETAIL 2/C-508
-	-	163.12 (12")	163.02 (18")	TREATMENT AREA OVERFLOW
DMH3	167.00	164.00 (12")	159.73 (18")	
-	-	162.28 (18")	-	FROM TREATMENT AREA
-	-	159.83 (6")	-	PROVIDE VALVE ON PIPE. SEE DETAIL 6/C-507
-	-	159.83 (4")	-	TREATMENT AREA OUTER UNDERDRAINS
DMH4	168.25	159.74 (12")	159.64 (12")	
-	-	164.25 (6")	-	FROM DOWNSPOUT
DMH5	168.70	161.40 (18")	161.30 (18")	
-	-	164.10 (4")	-	SIDEWALK UNDERDRAINS
-	-	161.40 (12")	-	
DMH6	169.27	158.36 (12")	158.26 (12")	6" DIAMETER TO TREATMENT AREA. SEE DETAIL 2/C-508
-	-	164.52 (2-6")	-	FROM DOWNSPOUTS
-	-	-	158.26 (18")	TREATMENT AREA OVERFLOW
DMH7	169.19	-	158.26 (12")	6" DIAMETER TO TREATMENT AREA. SEE DETAIL 2/C-508
-	-	164.52 (6")	-	FROM ROOF DRAIN
-	-	164.52 (6")	-	FROM DOWNSPOUT
-	-	-	158.26 (18")	TREATMENT AREA OVERFLOW
DMH8	168.90	154.28 (18")	154.18 (18")	
-	-	154.28 (18")	-	
-	-	154.83 (6")	-	PROVIDE VALVE ON PIPE. SEE DETAIL 6/C-507
-	-	154.83 (4")	-	TREATMENT AREA OUTER UNDERDRAINS
-	-	156.10 (6")	-	FOUNDATION DRAIN OUTLET
DMH9	169.10	164.10 (4")	161.30 (18")	SIDEWALK UNDERDRAINS
-	-	161.40 (18")	-	
-	-	161.40 (12")	-	FROM CB20

NOTE:

1. SEE SHEET CG102 FOR ADDITIONAL GRADING INFORMATION.
2. SEE SHEET CU102 FOR FOUNDATION DRAIN PIPING.

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

1 GRADING, DRAINAGE AND EROSION CONTROL PLAN
CG101 SCALE: 1"=30'

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS

LOCATION AUGUSTA, MAINE

TITLE THIS DWG.

GRADING, DRAINAGE AND EROSION CONTROL PLAN

OAK POINT ASSOCIATES

DRAWING NO.

CG101

SHEET NO.

28 OF 239

NO.	DATE	ADDENDUM	DESCRIPTION	BY	CHECK BY
1	03/13/25	ADDENDUM 6		JSD	JSD
REVISIONS					
NO.	DATE	DESCRIPTION	BY	CHECK BY	DATE
	01/29/2025			SES	