

No.	Date	Description
0	05.20.2022	ISSUED FOR PERMIT

Plot Date: 11/23/21

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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
**ELECTRICAL SITE LIGHTING
PLAN**

Scale: 1/16" = 1'-0" Floor:

E-052

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATION ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NYS

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777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Gensler
1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates
498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

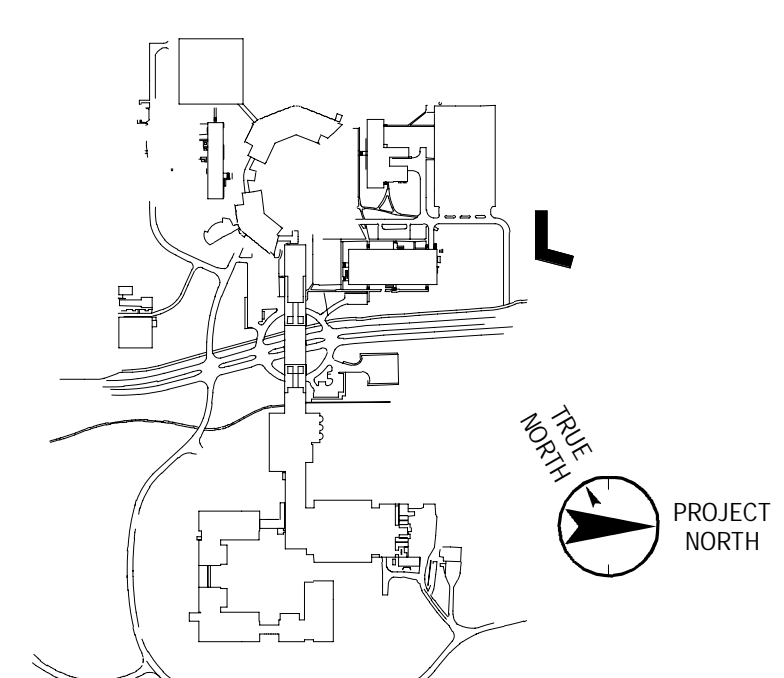
Civil Engineer

JMC
120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	05.20.2022	ISSUED FOR PERMIT

Plot Date: 10/25/21

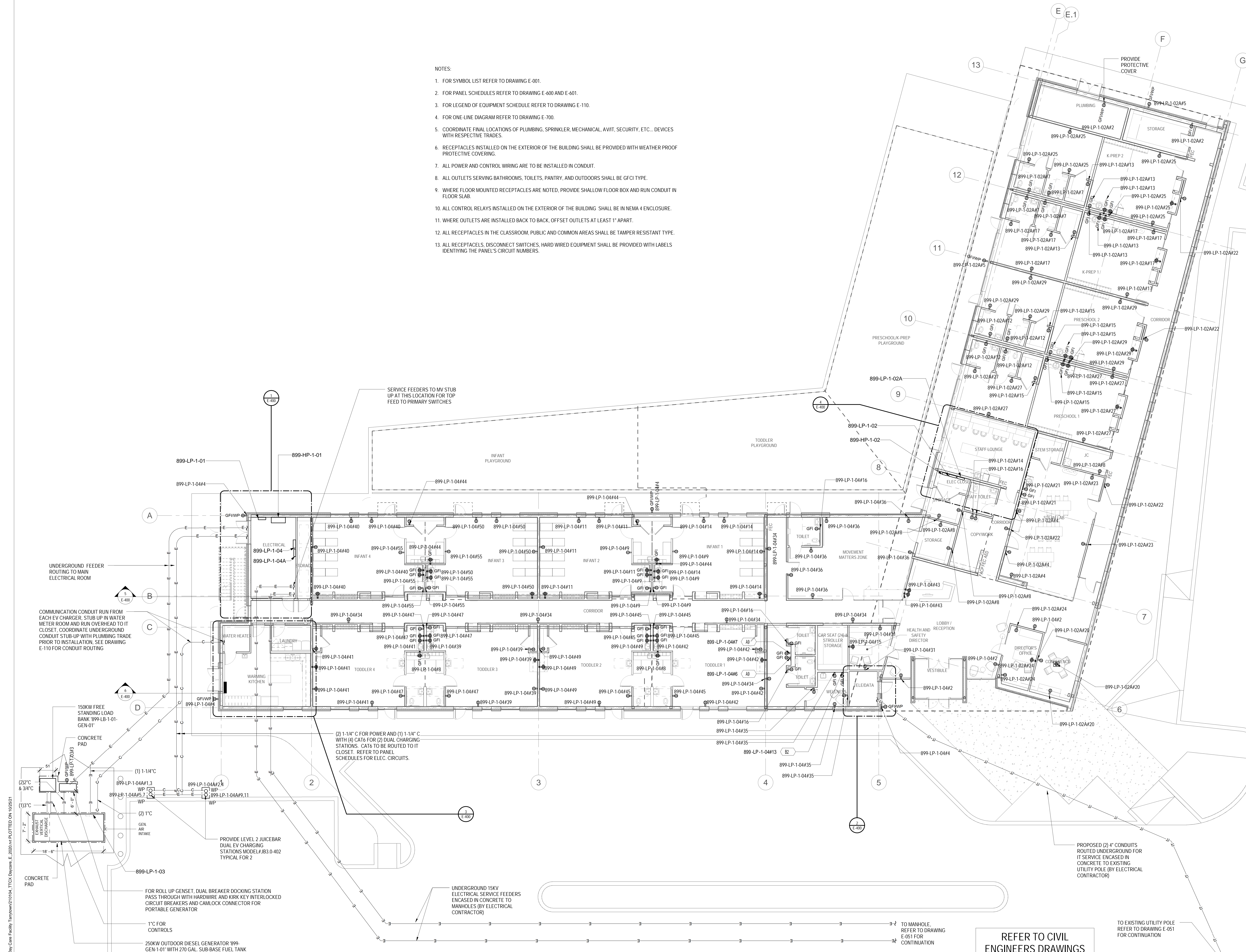
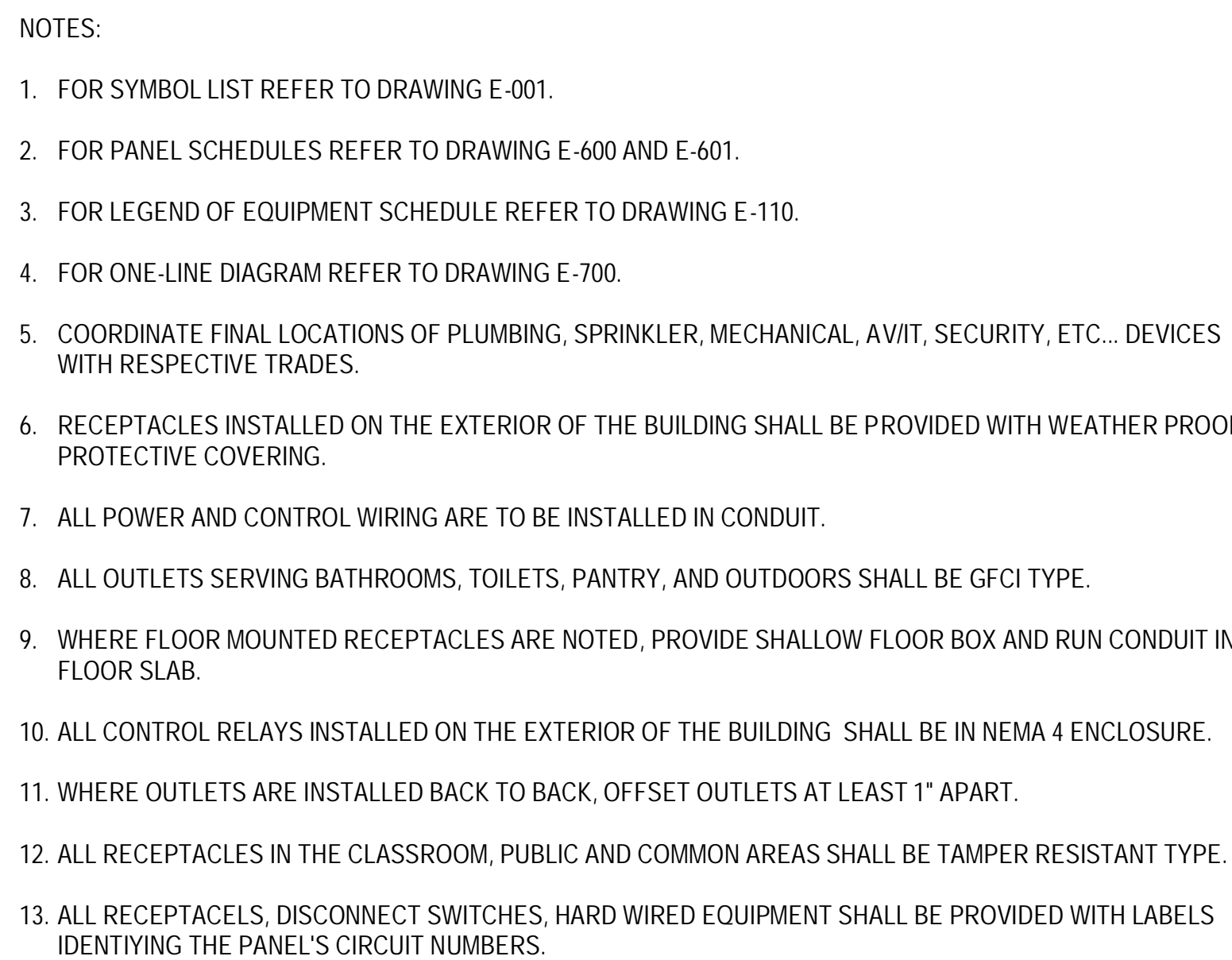
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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: AI
**ELECTRICAL POWER PLAN -
1ST FLOOR**

Scale: $1/8" = 1'-0"$ Floor:

E-100



REFER TO CIVIL
ENGINEERS DRAWINGS
C-300 FOR ELECTRICAL
SERVICE ROUTING

TO EXISTING UTILITY POLE
REFER TO DRAWING E-051
FOR CONTINUATION

TO THE BEST OF MY KNOWLEDGE, BELIEF AND
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777 Old Saw Mill River Road
Tarrytown, NY 10591-6707
T: 914.847.7400
F: 914.847.7991
www.regeneron.com

Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect
Gensler
1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

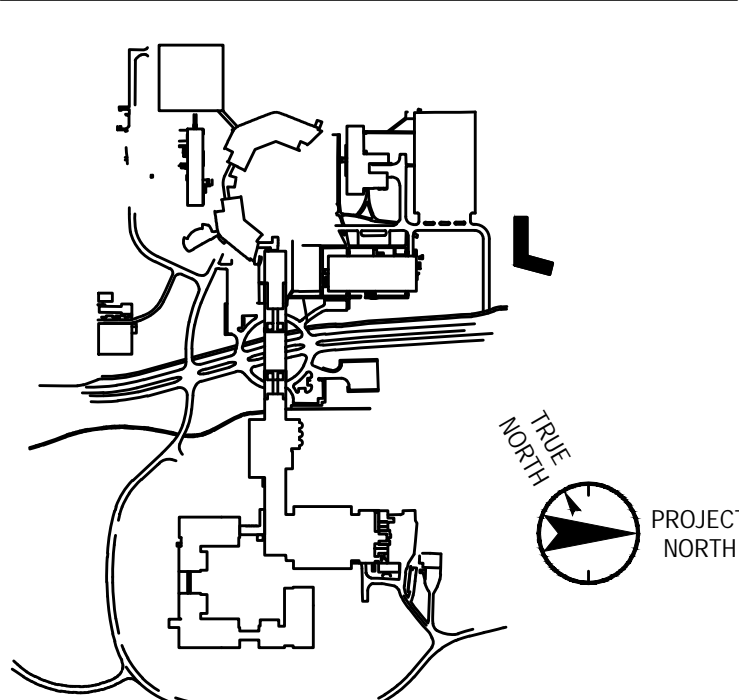
Structural Engineer
Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

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Cosentini Associates
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Key Plan



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Professional Seal and Signature

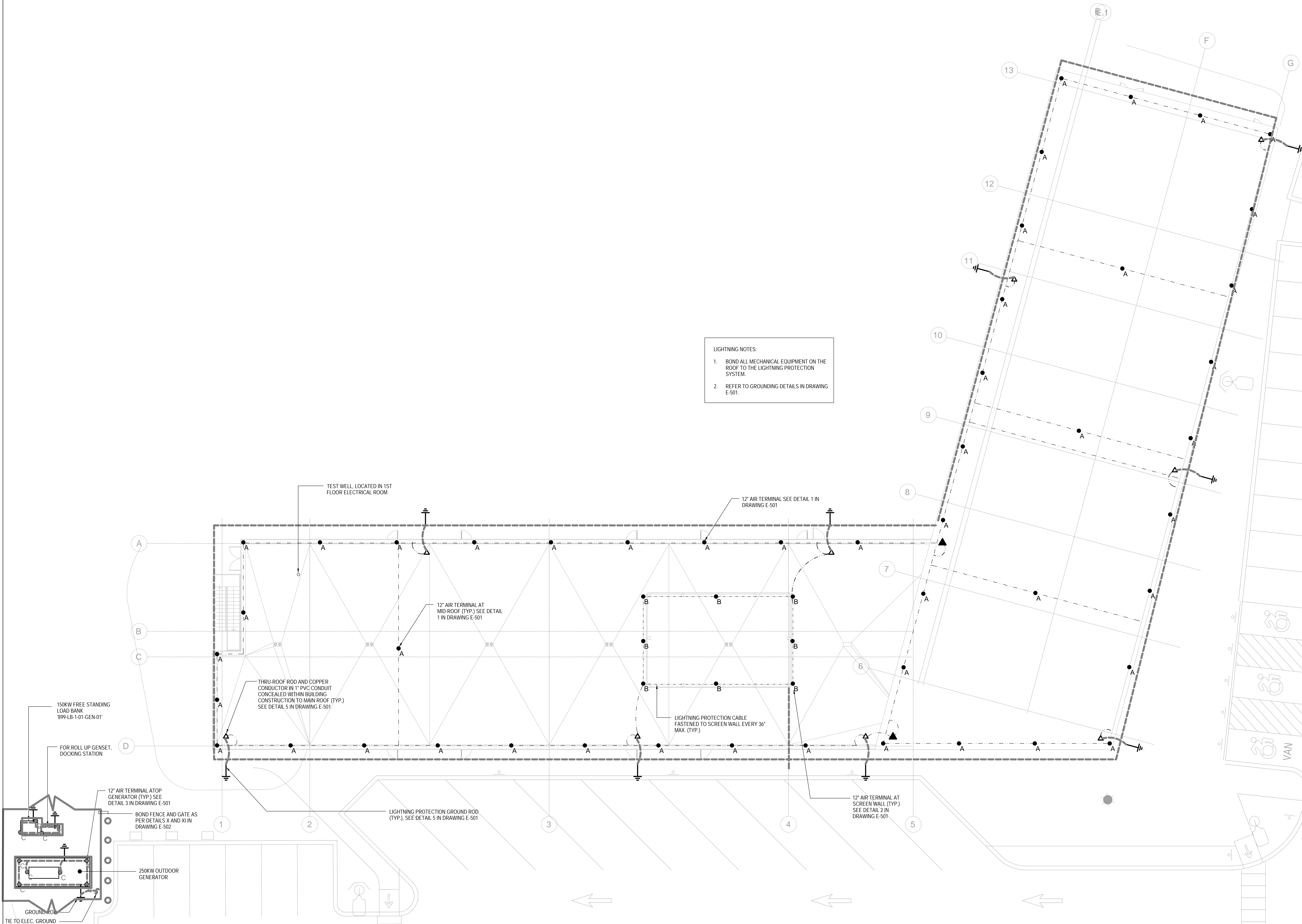
Vendor Name:
Vendor Project No.:
Discipline: Drawn By:

ELECTRICAL
LIGHTNING PROTECTION
SITE PLAN

Scale: 1/8" = 1'-0" Floor:

E-121

- LIGHTNING NOTES:
- BOND ALL MECHANICAL EQUIPMENT ON THE ROOF TO THE LIGHTNING PROTECTION SYSTEM.
 - REFER TO GROUNDING DETAILS IN DRAWING E-501.



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. 914.847.7991

Campus Expands Day-care Center

Architect

New York, NY 10019

212) 492-1400 Phone

Structural Engineer

917) 661-7800 Phr

MEP / IT / Security Engineer

NEW YORK, NY 10017
212) 615-3600 Rb

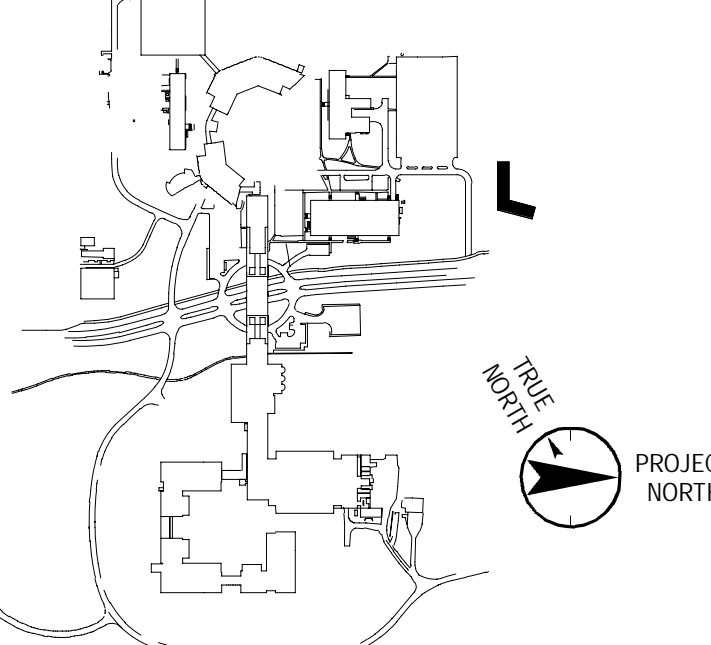
Civil Engineer

014) 373-6336 Rb

Landscape Architect

NEW YORK, NY 10001
212) 479-5400 Rb

Key Plan



No.	Date	Description
0	06.20.2022	ISSUED FOR PERMIT

lot Date: 11/18/21

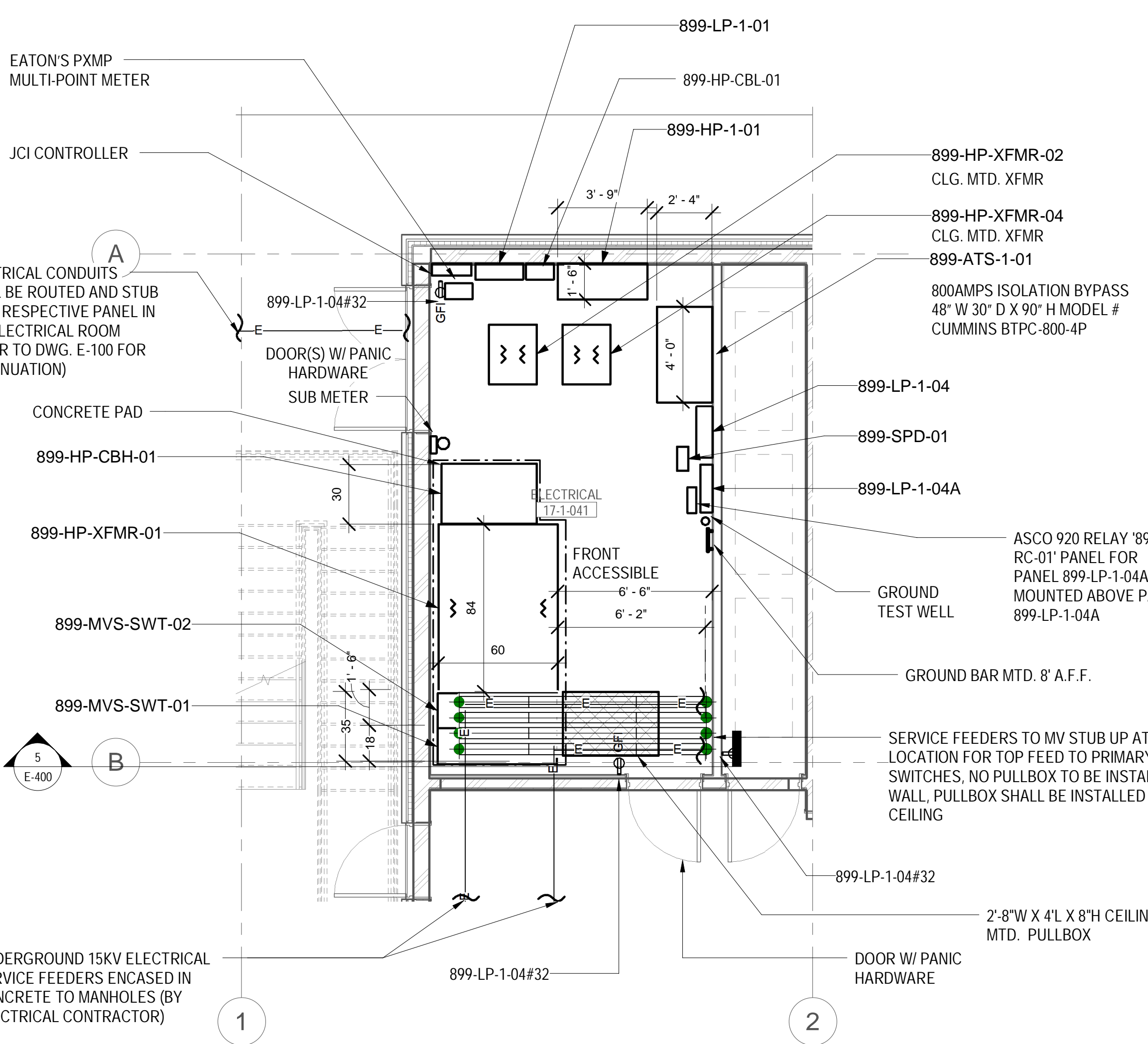
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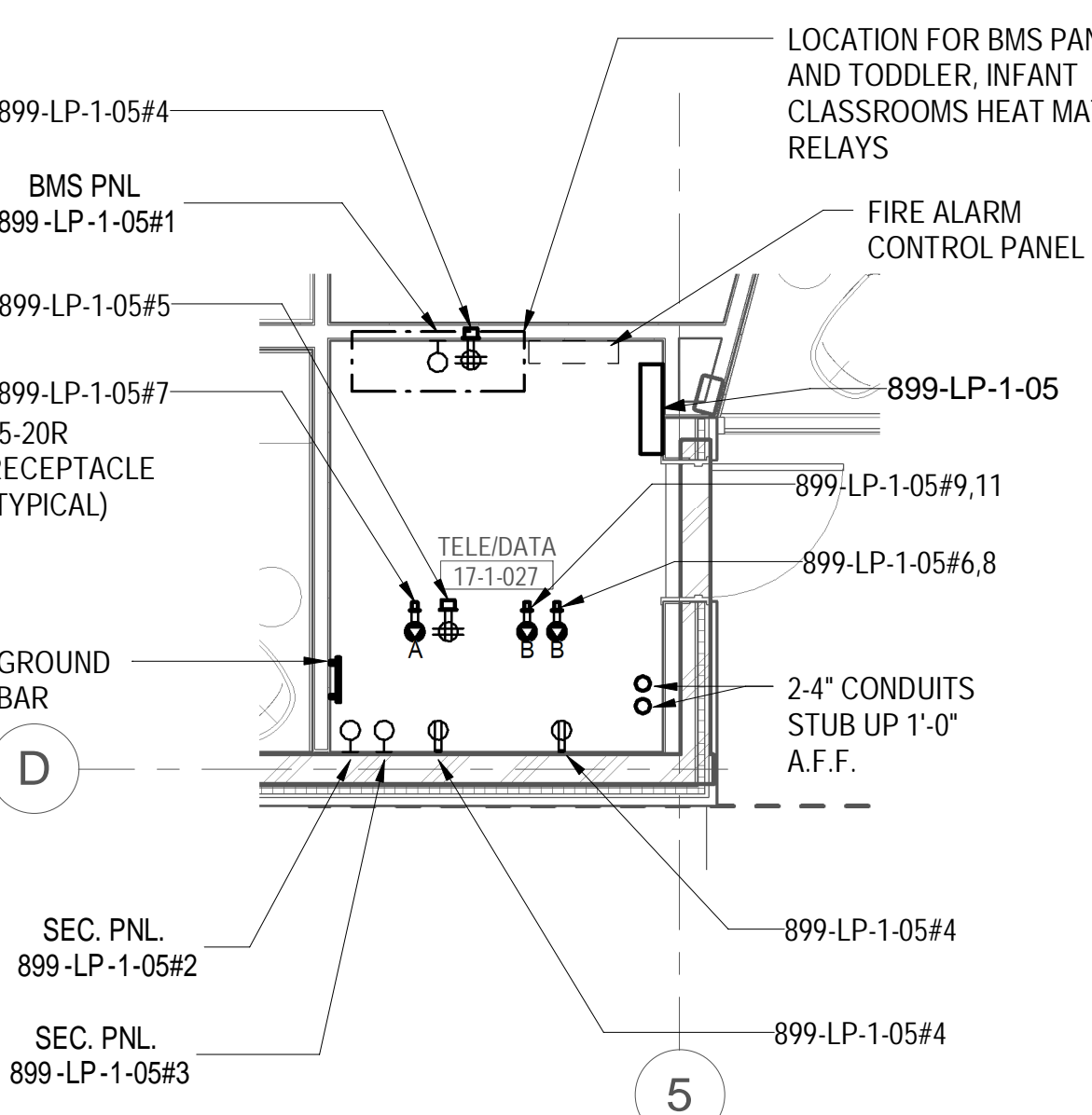
Discipline: _____ Drawn By: _____
ELECTRICAL ENLARGED
VIEWS - SHEET 1

Scale: As indicated Floor:

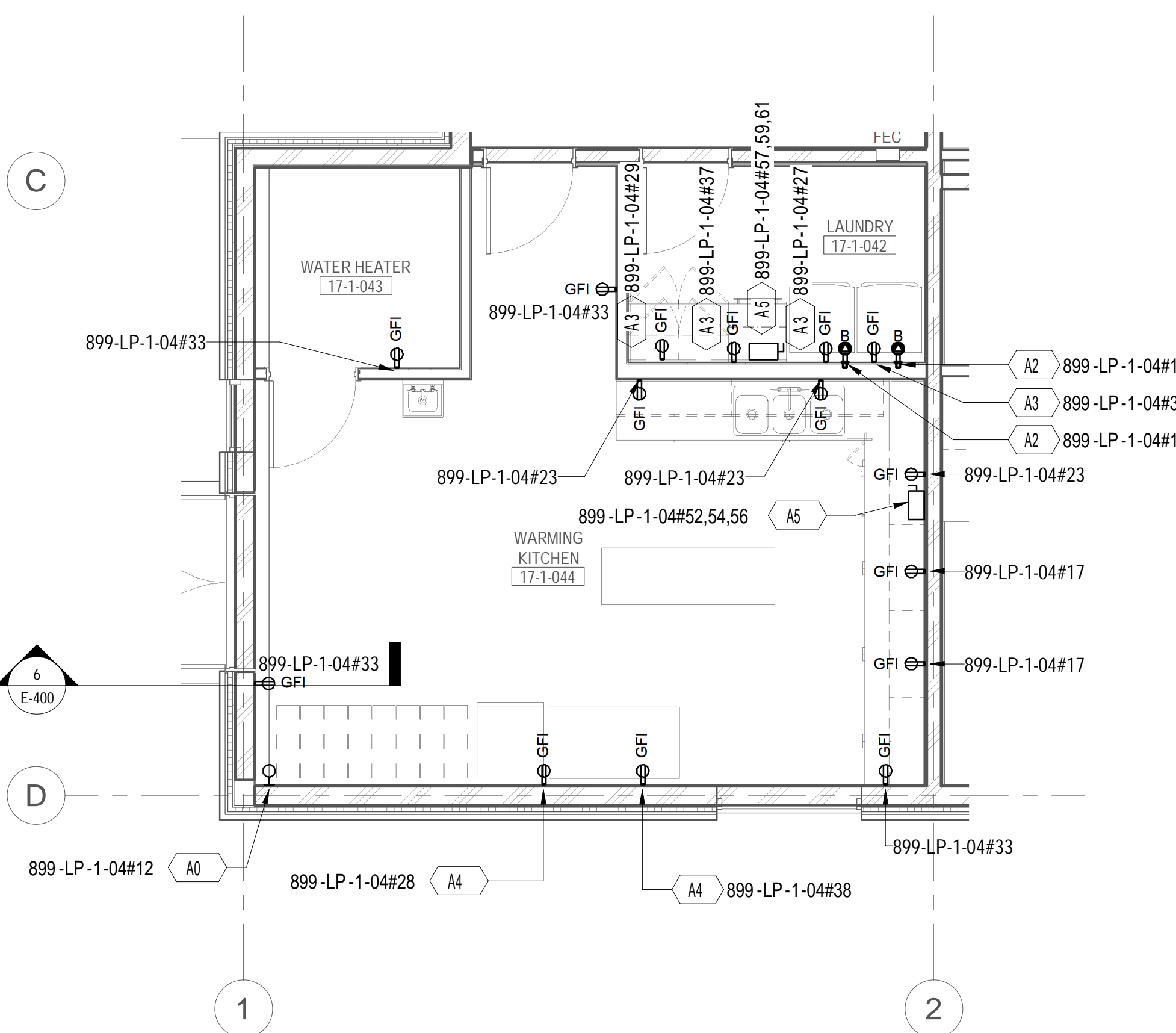
E-400



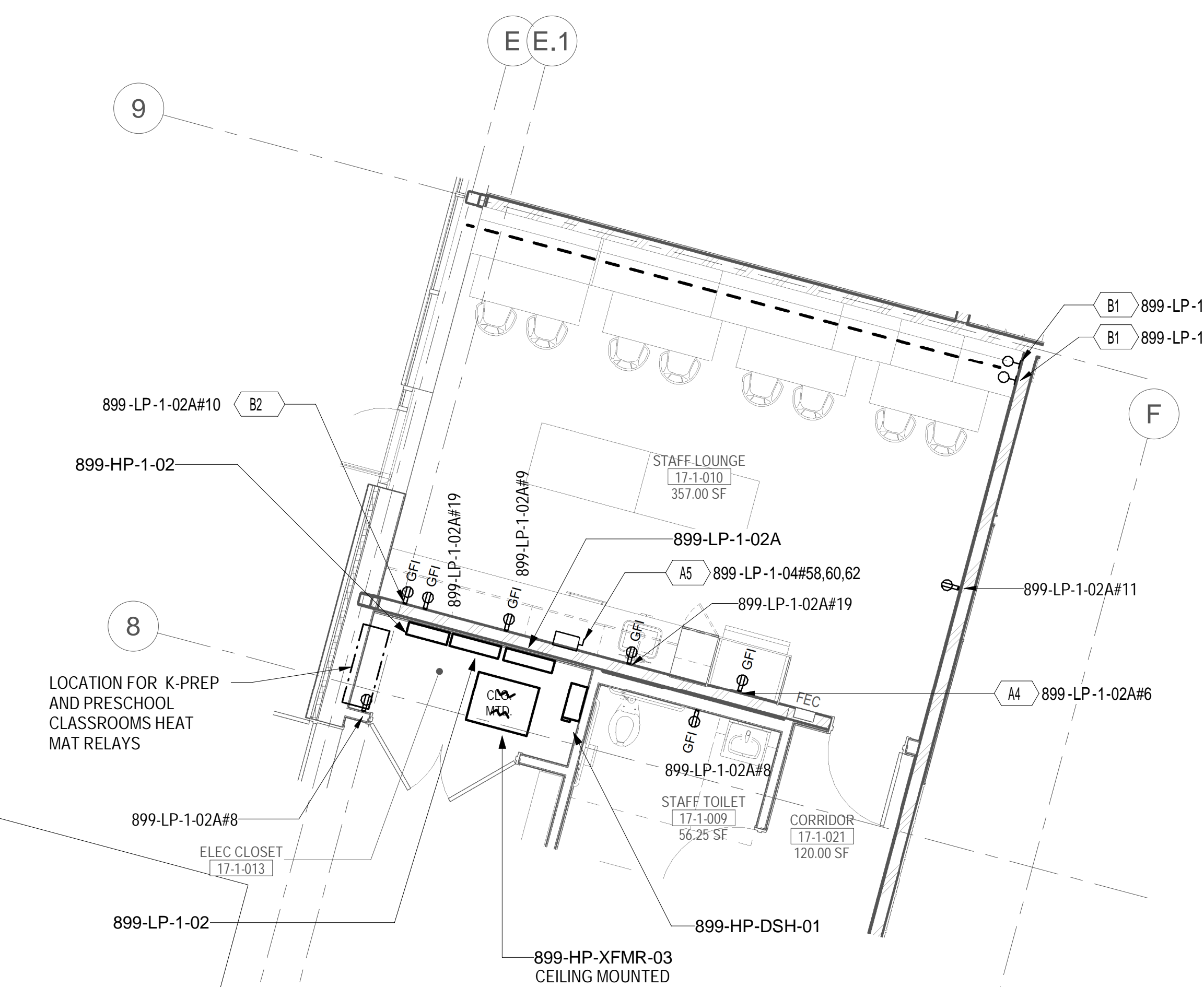
LEVEL 01 POWER PART PLAN - ELECTRICAL
ROOM
1/4" = 1'-0"



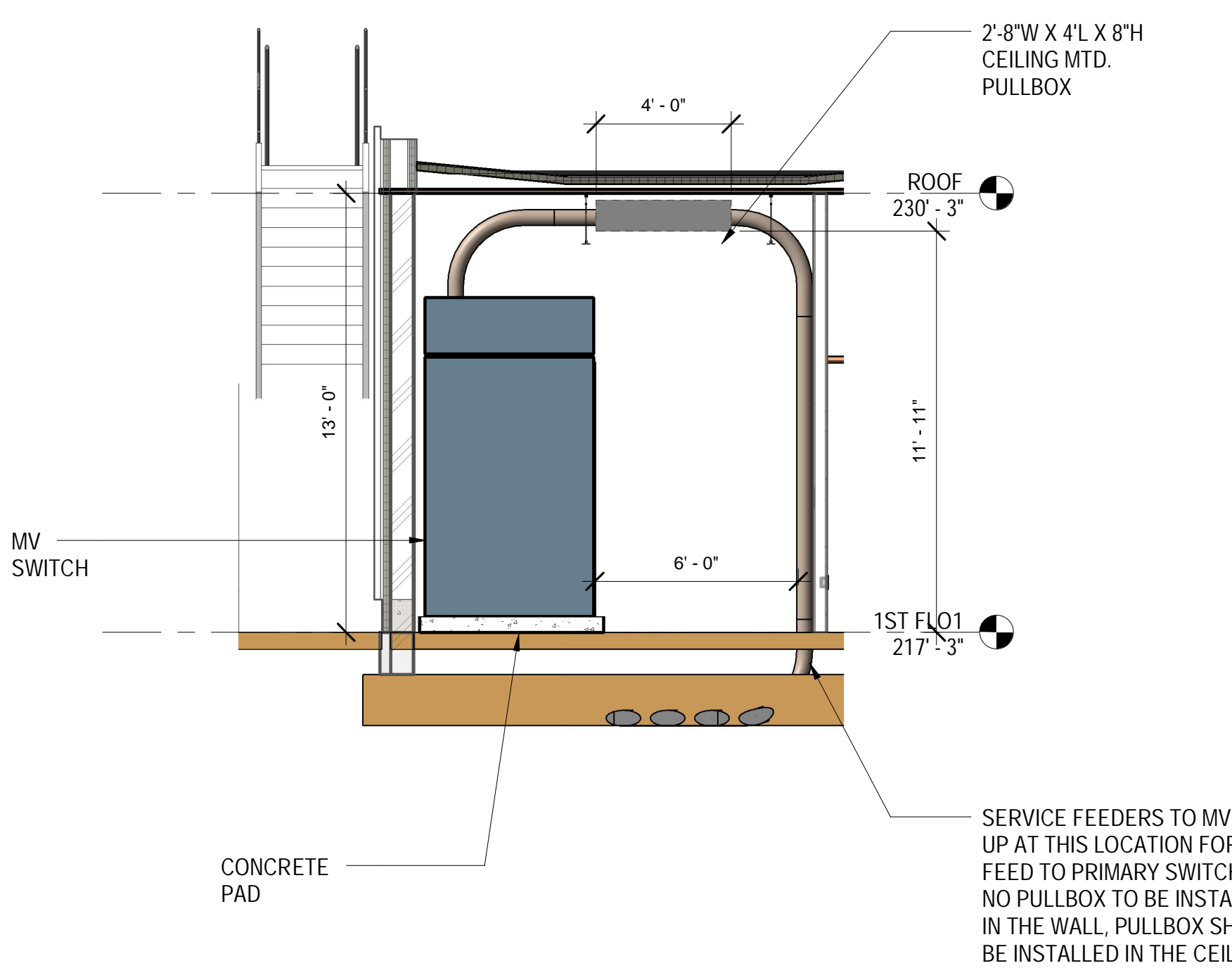
LEVEL 01 POWER PART PLAN - TELE DATA ROOM
2
1/4" = 1'-0"



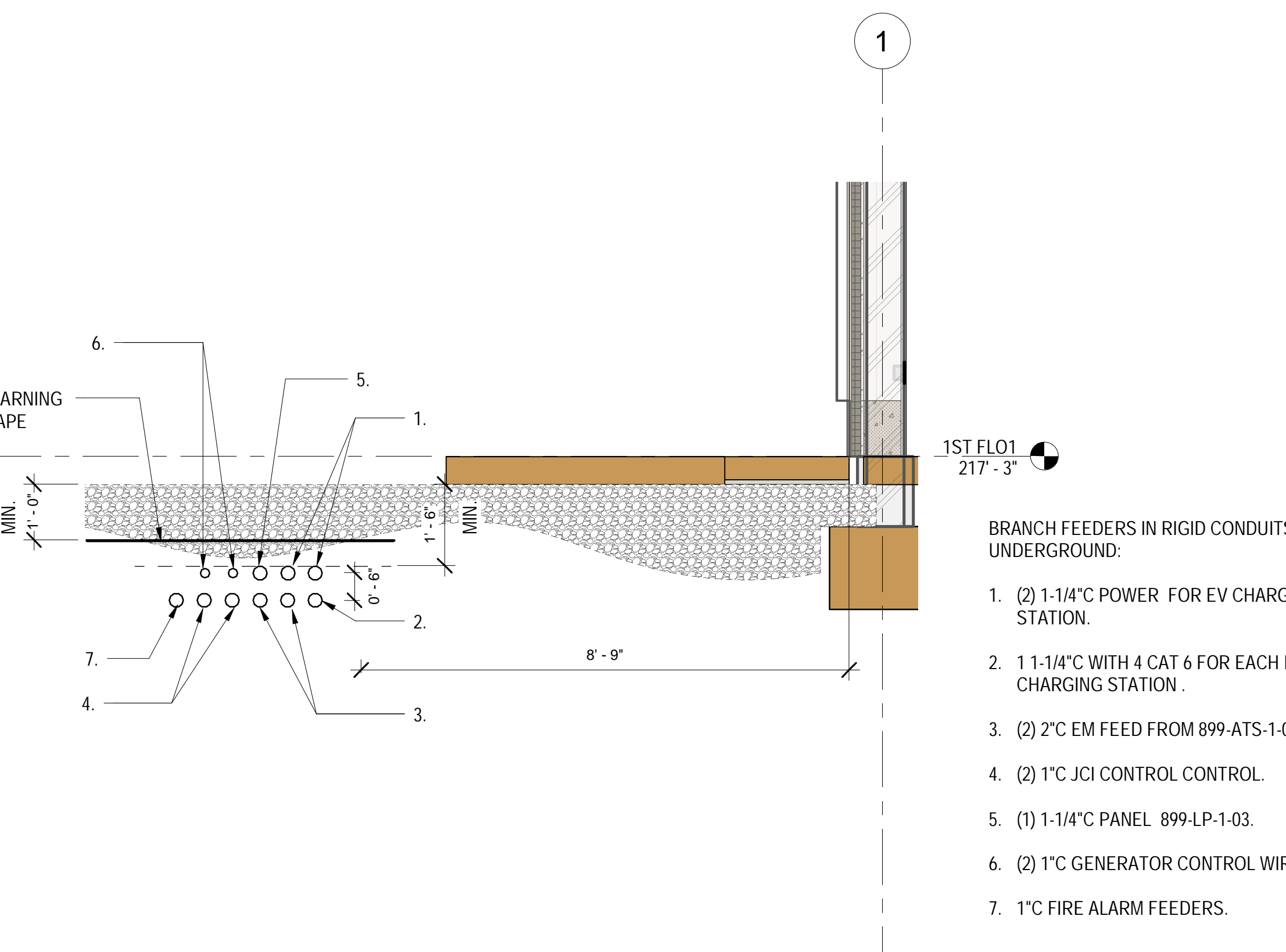
3 LEVEL 01 POWER PART PLAN - LAUNDRY,
WARMING KITCHEN, AND WATER HEATER ROOM
1/4" = 1'-0"



4 LEVEL 01 POWER PART PLAN - ELECTRICAL
CLOSET AND STAFF LOUNGE
1/4" = 1'-0"



5 ELECTRICAL ROOM ELEVATION PART PLAN
1/4" = 1'-0"



6 UNDERGROUND BRANCH FEEDERS DETAIL
1/2" = 1'-0"

GENERAL SHEET NOTES:

1. FOR SYMBOL LIST REFER TO DRAWING E-001.
2. FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
3. FOR LIGHTING FIXTURE SCHEDULES REFER TO DRAWING E-601.
4. FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602.
5. FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.
6. FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.
7. COORDINATE FINAL LOCATIONS OF PLUMBING, SPRINKLER, MECHANICAL, AVIT, SECURITY, ETC., DEVICES WITH RESPECTIVE TRADES.
8. DEVICES SUBJECT TO OUTSIDE ELEMENTS OUTSIDE SHALL BE PROVIDED WITH WEATHER PROOF PROTECTIVE COVERING AND WEATHERPROOF TYPE

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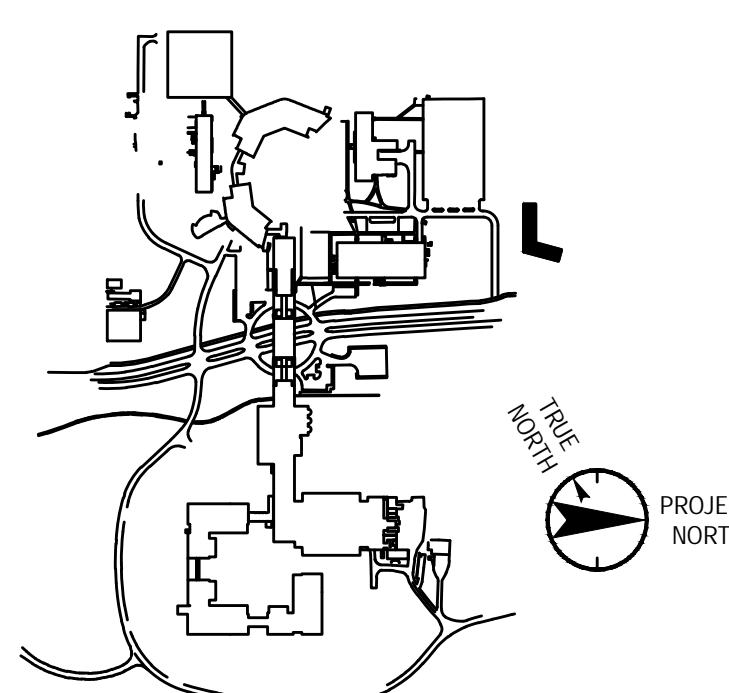
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Key Plan



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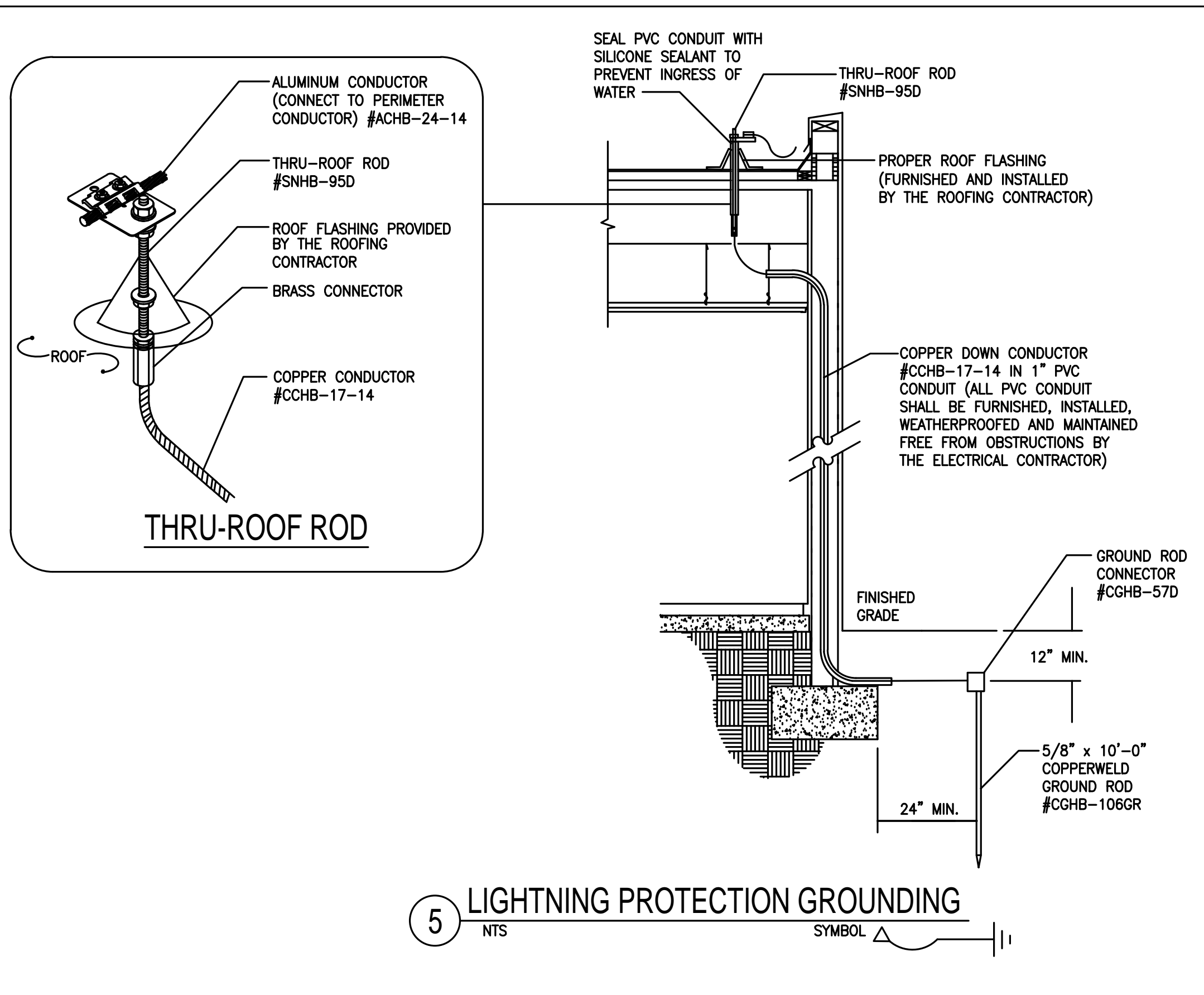
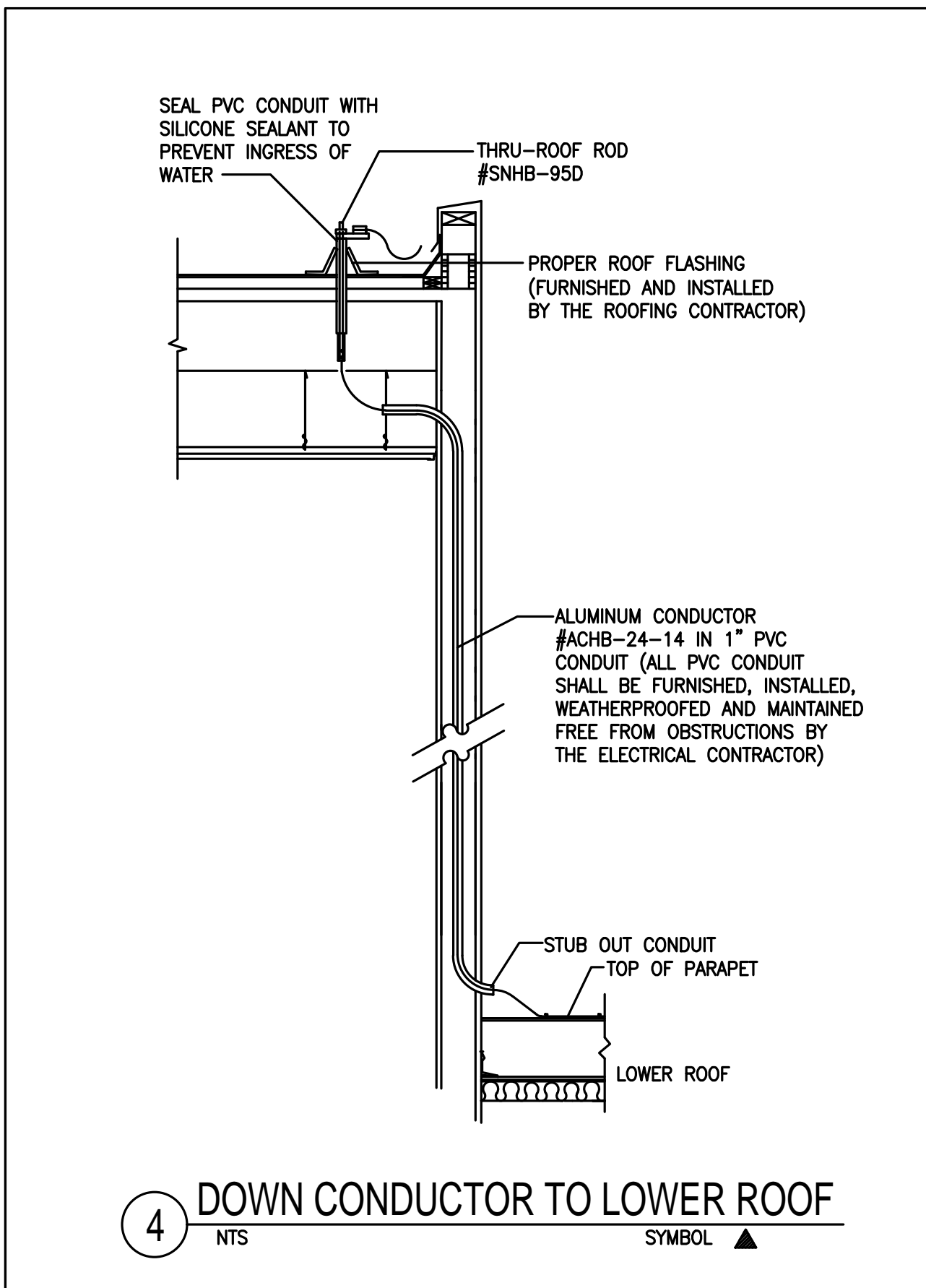
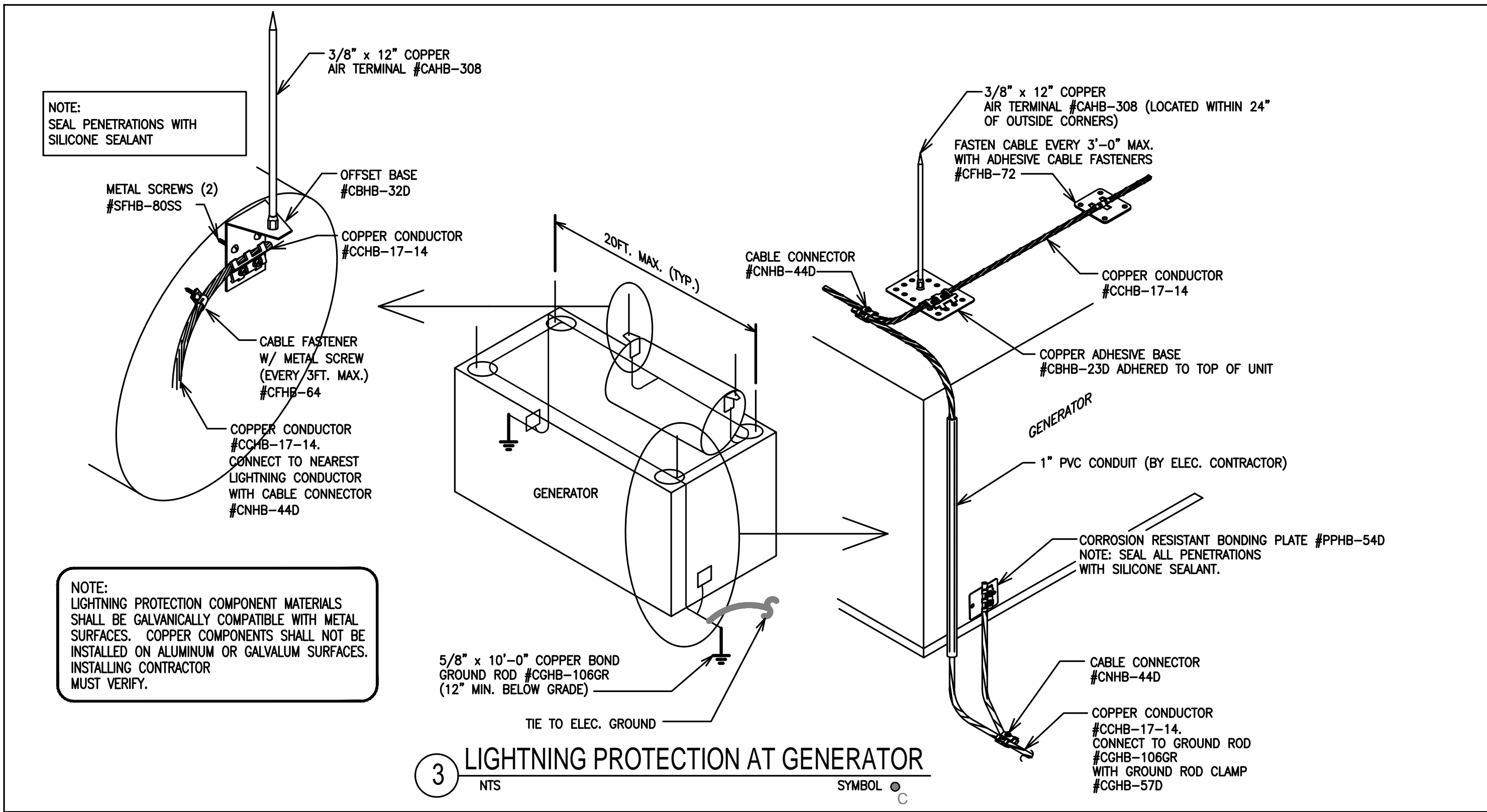
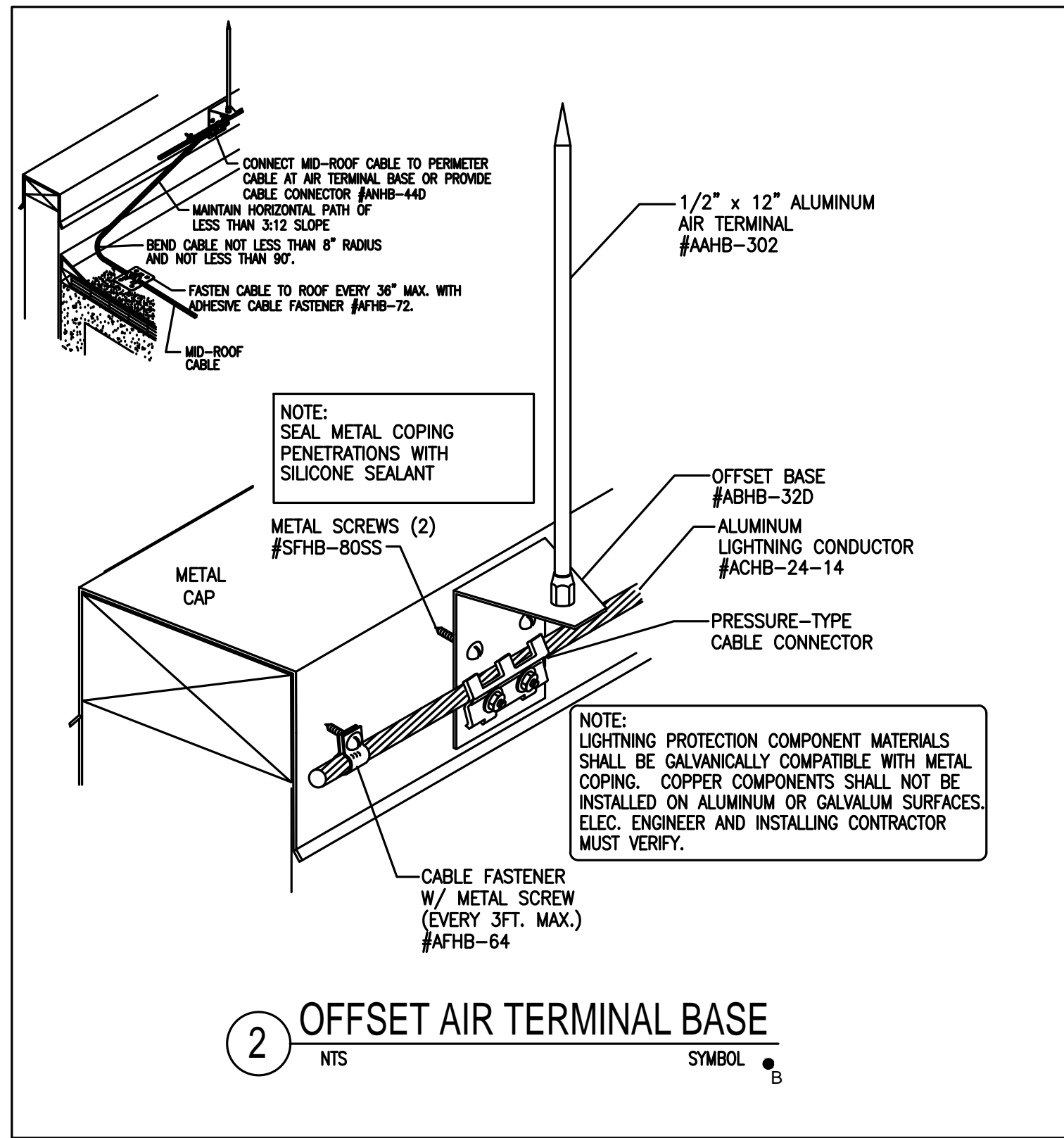
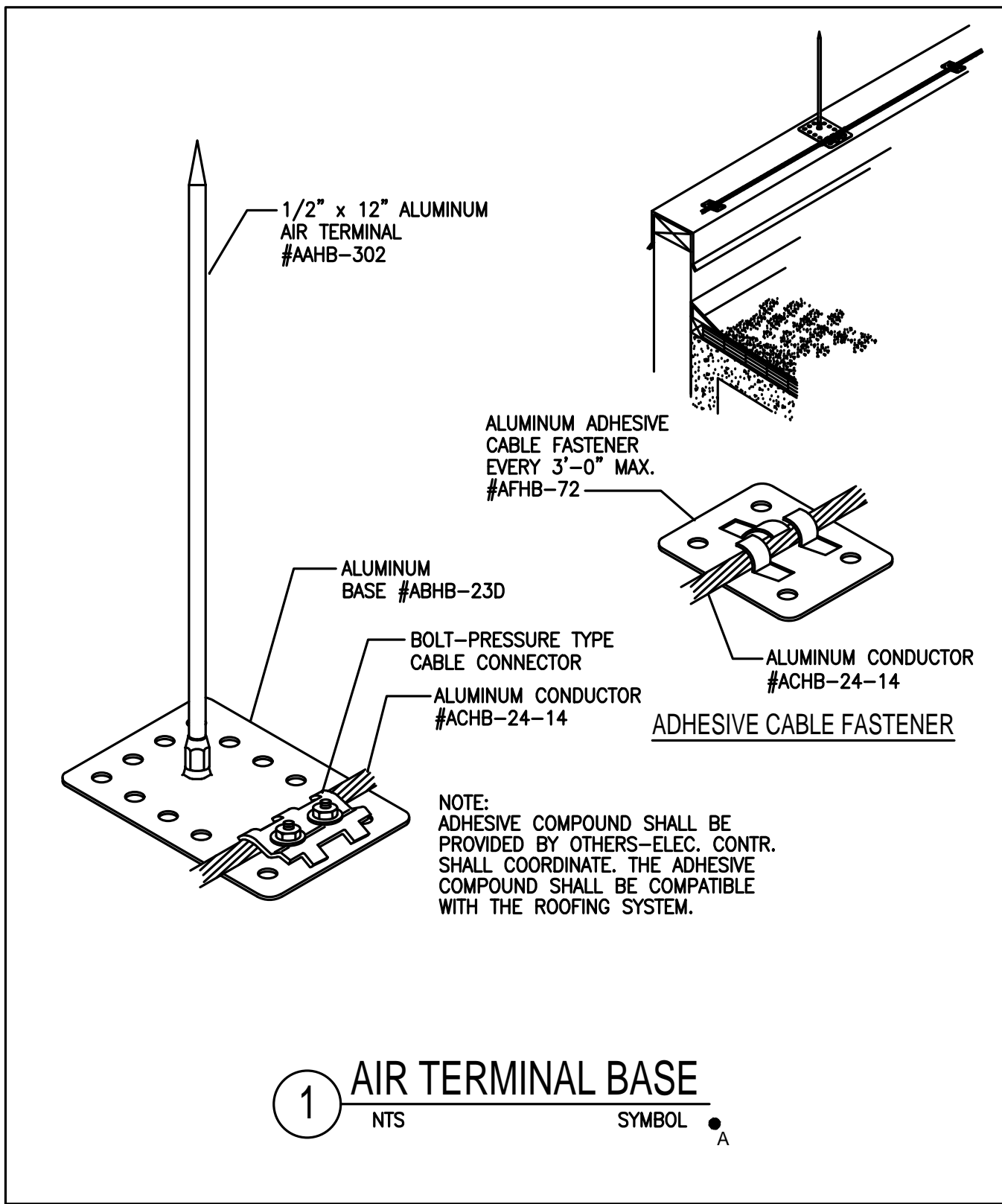
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Professional Seal and Signature

Vendor Name:
Vendor Project No.:
Discipline: Drawn By:
**ELECTRICAL
DETAIL SHEET 2**

Scale: NTS Floor:

E-501

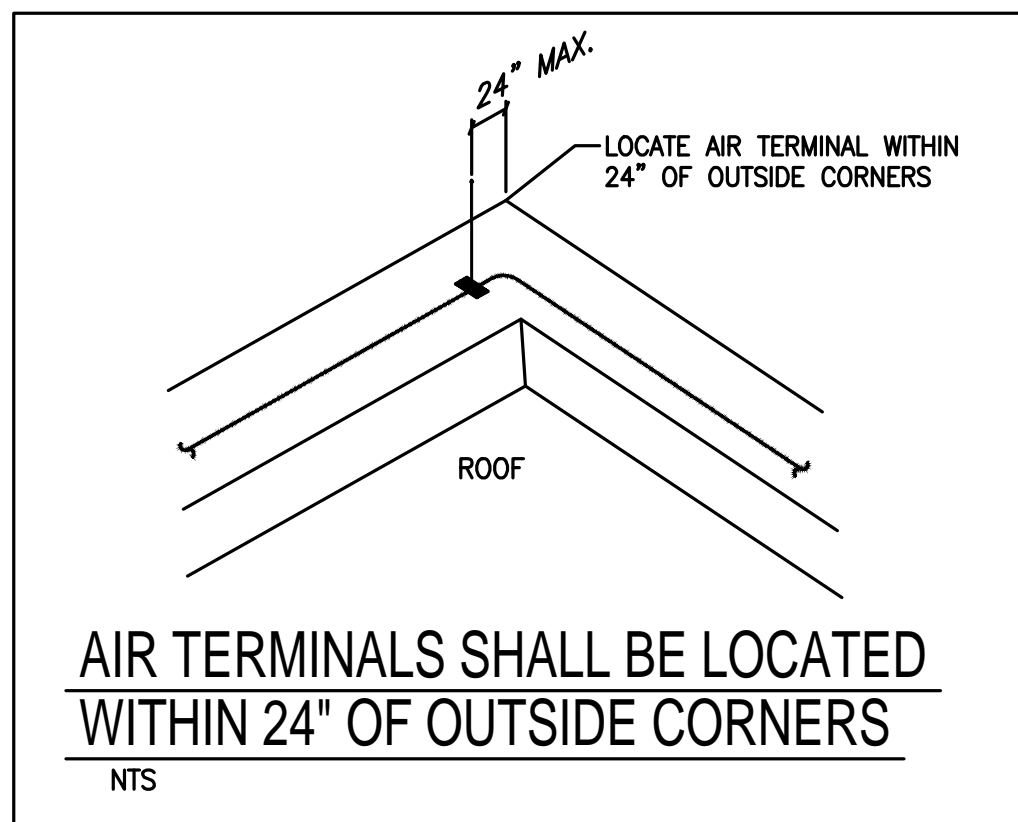
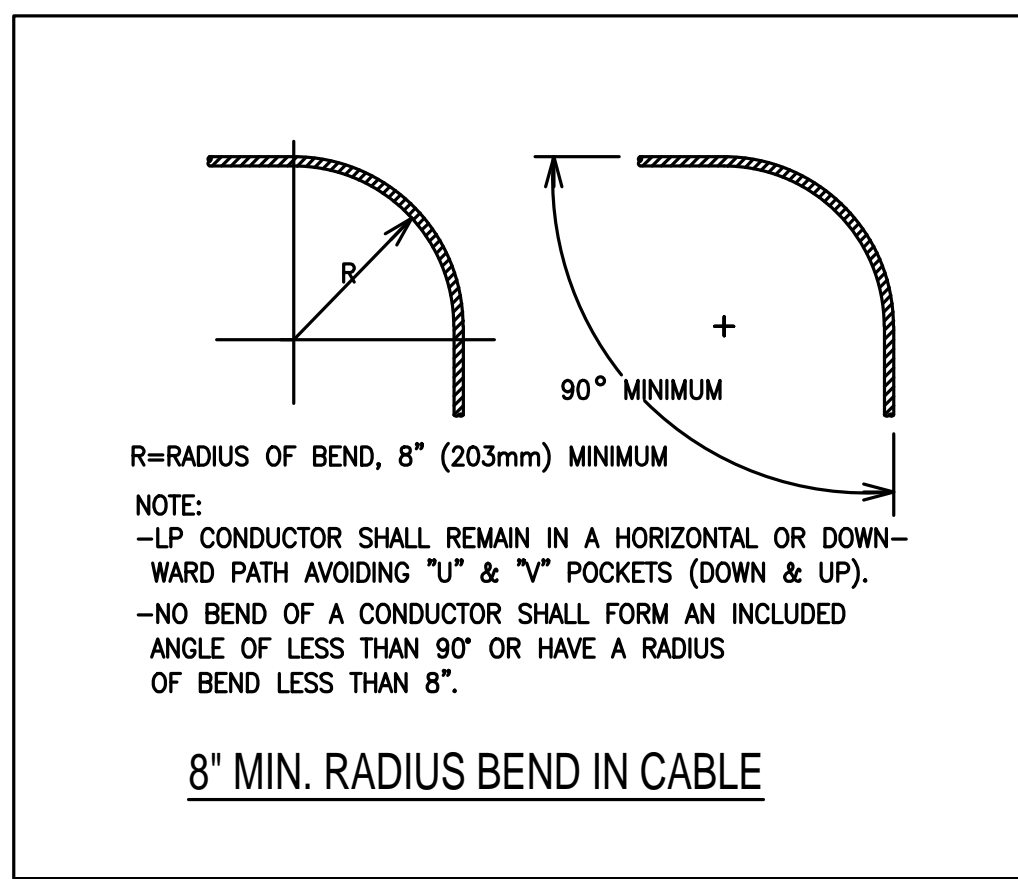
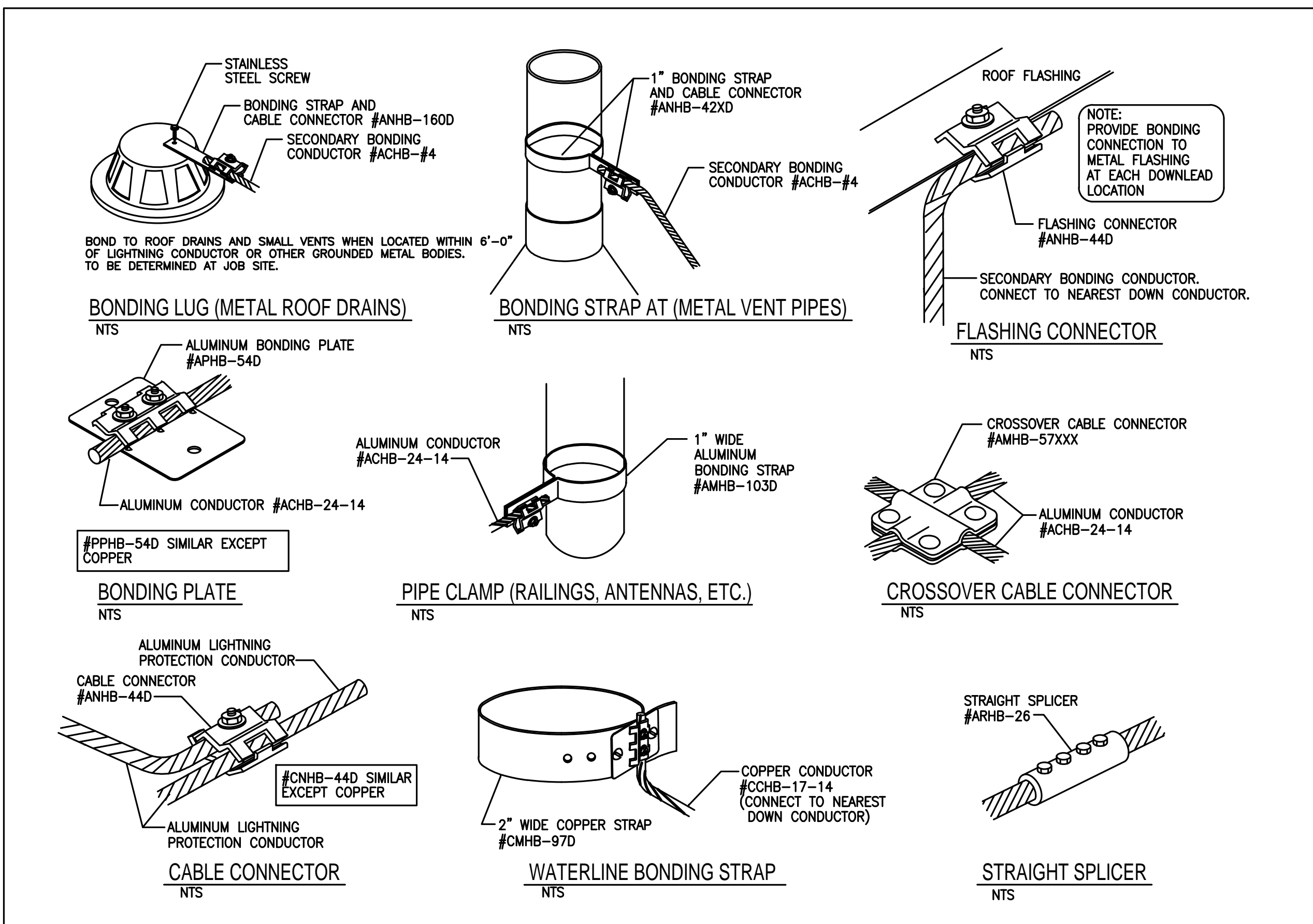


LIGHTNING PROTECTION NOTES

1. ALL MATERIALS SHOWN ARE MANUFACTURED BY HEARY BROS. LIGHTNING PROTECTION CO., INC.
2. THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL96, UL98A & NFPA-780 LIGHTNING PROTECTION SYSTEM STANDARDS.
3. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
4. NO BEND OF CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".
5. AIR TERMINALS SHALL BE SPACED EVERY 20'-0" MAXIMUM AROUND THE ROOF PERIMETER AND/OR ALONG ROOF RIDGES. AIR TERMINALS SHALL BE LOCATED WITHIN 2'-0" OF OUTSIDE CORNERS.
6. AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS.
7. ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS.
8. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
9. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED EVERY 3'-0" MAX.
10. BOND SMALL METAL BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDING.
11. BOND ALL LARGE METAL BODIES TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM. (E.G. EXHAUST FANS, ROOF VENTS, METAL COOLING TOWERS, HVAC UNITS, LADDERS, RAILINGS, ANTENNAS, SKYLIGHTS, METAL STACKS, AND ANY OTHER LARGE METAL BODIES WHOSE HEIGHT EXCEEDS THAT OF ADJACENT AIR TERMINALS).
12. CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
13. BOND TO WATERLINES (DOMESTIC & FIRE).
14. A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH NFPA-70.
15. TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. (E.G. COMPUTERS, COPIERS, TELEPHONE, ETC.).
16. PROVIDE UL MASTER LABEL CERTIFICATION UPON COMPLETION OF INSTALLATION.

LIGHTNING PROTECTION MATERIALS LIST

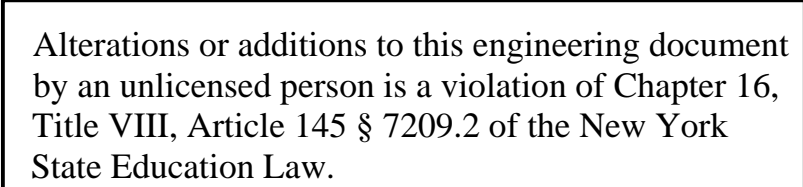
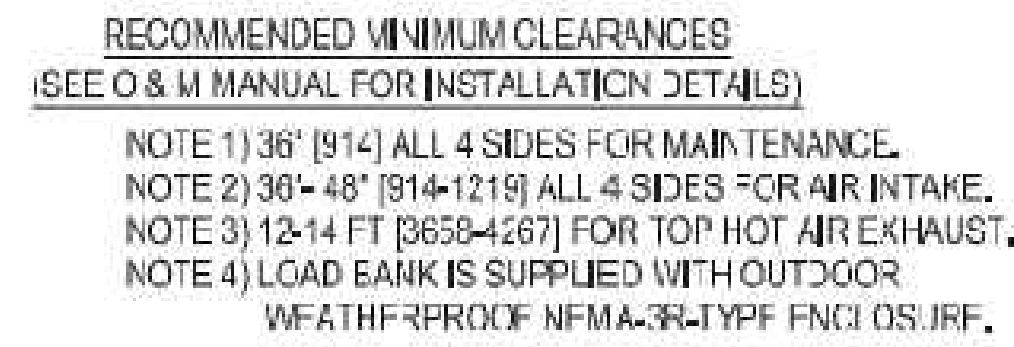
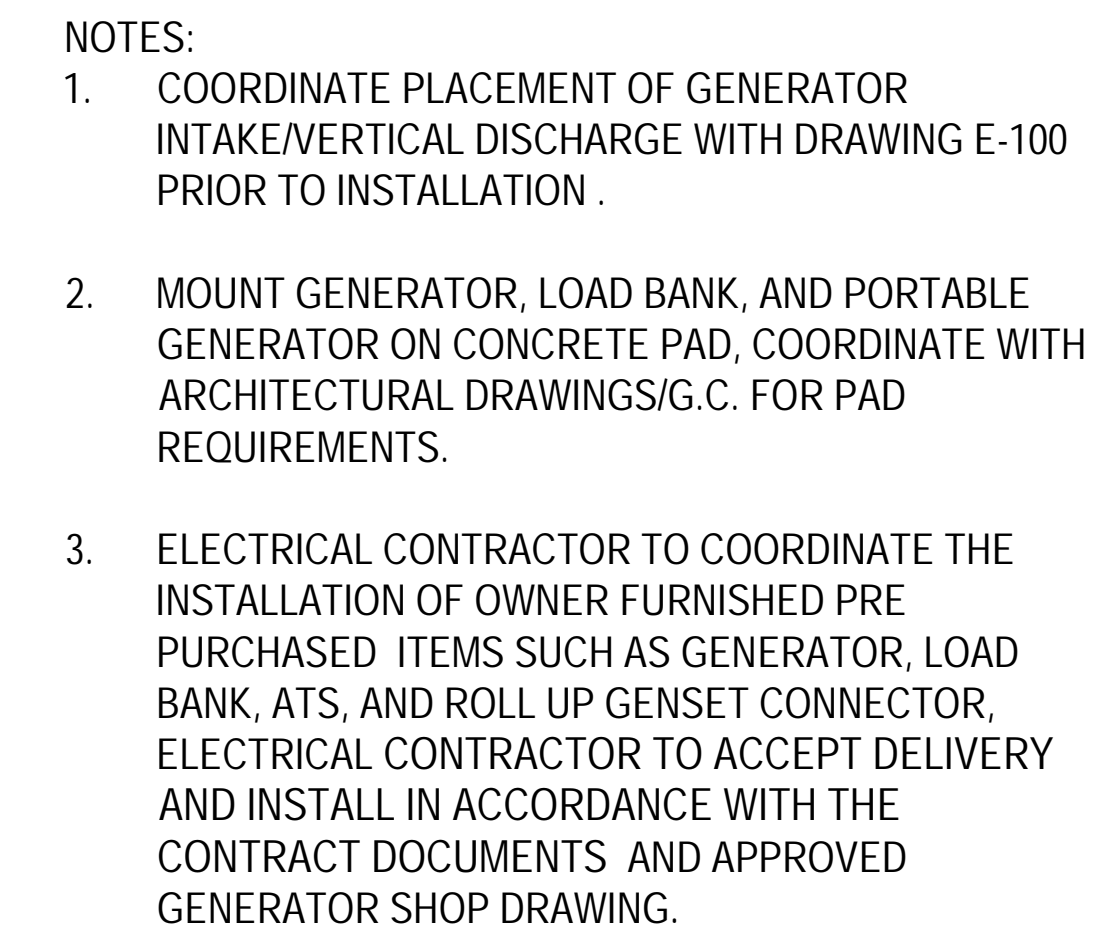
ALUMINUM LIGHTNING PROTECTION MAIN CONDUCTOR	ACHB-24-14
ALUMINUM LIGHTNING PROTECTION SECONDARY BONDING CABLE*	ACHB-#4
COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	CCHB-17-14
BIMETAL CONNECTOR	MNHB-93
CABLE FASTENERS (FASTEN CABLE EVERY 3FT. MAX.)	AFHB-72, 66, 64, CFHB-72, 64
1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE	ABHB-302, ABHB-320
1/2" x 12" ALUMINUM AIR TERMINAL AND OFFSET BASE	ABHB-302, ABHB-320
1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE (AT ROOF TOP EQUIPMENT)	ABHB-302, ABHB-320
3/8" x 12" COPPER AIR TERMINAL & ADHESIVE BASE / OFFSET BASE (GENERATOR)	CBHB-308, CBHB-320, 320
THRU-ROOF ROD	SNHB-95D
*SECONDARY BONDING (USE SECONDARY BONDING CABLE #ACHB-#4):	
FLASHING CONNECTOR	ANHB-44D
METAL ROOF DRAIN / OUTER CONNECTOR	ANHB-160D
METAL VENT PIPE CONNECTOR	ANHB-420D
ALUMINUM BONDING PLATE (AT ALUM. RTU & FANS)	APHB-54D
COPPER BONDING PLATE (TO TOP AND BASE OF STEEL AT EACH DOWNLEAD)	PPHB-54D
PIPE CLAMP (ANTENNAS, RAILINGS, ETC.)	AMHB-103D
BOND PLATE (LADDERS)	PPHB-54D
CABLE CONNECTOR	ANHB-44D, CNHB-44D
STRAIGHT SPLICER	ARHB-26, CRHB-26
CROSSOVER CABLE CONNECTOR	CMHB-57XXX
WATERLINE CONNECTOR (FIRE WATER & DOMESTIC WATER)	CMHB-97D
5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR	CCHB-106GR, CCHB-57D



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Distribution: 899-HP-1-01									
Location: ELECTRICAL 17-1-041				Volts: 480/277 Wye & GRD			A.I.C. Rating: 65kAIC		
Supply From: 899-ATS-1-01				Phases: 3			Maine Type: MCB		
Mounting: Surface				Wires: 4			Maine Rating: 800 A		
Enclosure: Type 1							MCB Rating: 800 A		
Notes:									
CKT	Circuit Description			# of Poles	Frame Size	Trip Rating	Load	Remarks	
899-HP-1-01#1	899-EH-1-02 3#12 & 1#12G - 3/4"C			3	30 A	20 A	5.00 kVA		
899-HP-1-01#2	899-HP-XFMR-04 (899-LP-1-04)			3	200 A	125 A	76.08 kVA	75 KVA XFMR (CLG. MTD.)	
899-HP-1-01#3	899-HP-XFMR-03 (899-LP-1-02)			3	200 A	125 A	66.56 kVA	75 KVA XFMR (CLG. MTD.)	
899-HP-1-01#4	899-HP-1-02			3	100 A	60 A	14.89 kVA	LIGHTING PANEL	
899-HP-1-01#5	899-HP-XFMR-02 (899-LP-1-01)			3	200 A	125 A	60.84 kVA	75 KVA XFMR (CLG. MTD.)	
899-HP-1-01#6	899-DWH-1-02 - 3#6 & 1#10G - 1"C			3	60 A	60 A	30.00 kVA		
899-HP-1-01#7	899-DWH-1-01 - 3#10 & 1#10G - 3/4"C			3	30 A	20 A	12.00 kVA		
899-HP-1-01#8	899-DOAS-R-01 - 3#10 & 1#6G - 2"C			3	200 A	125 A	98.89 kVA		
899-HP-1-01#9	899-DOAS-R-02 - 3#10 & 1#6G - 2"C			3	200 A	125 A	98.89 kVA		
899-HP-1-01#10	899-EH-1-01 - 3#10 & 1#10G - 3/4"C			3	30 A	30 A	5.00 kVA		
899-HP-1-01#11	899-CUR-01 - 3#10 & 1#10G - 3/4"C			3	30 A	25 A	17.53 kVA		
899-HP-1-01#12	899-CUR-02 - 3#10 & 1#10G - 3/4"C			3	30 A	25 A	17.53 kVA		
899-HP-1-01#13	899-CUR-03 - 3#10 & 1#10G - 3/4"C			3	30 A	25 A	17.53 kVA		
899-HP-1-01#14	899-CUR-04 - 3#10 & 1#10G - 3/4"C			3	30 A	25 A	17.53 kVA		
899-HP-1-01#15	899-CUR-05 - 3#10 & 1#10G - 3/4"C			3	30 A	25 A	17.53 kVA		
899-HP-1-01#16	Spare			3	--	100 A	0.00 kVA	(100AMP FRAME)	
899-HP-1-01#17	Spare (FOR FUTURE SOLAR PANEL)			3	--	250 A	0.00 kVA	(400AMP FRAME)	
899-HP-1-01#18									
Total Conn. Load:							555.92 kVA		
Total Amps:							669 A		
Legend:									
Load Classification	Connected Load		Demand Factor	Estimated Demand		Panel Totals			
HVAC	141.57 kVA		75.00%	106.18 kVA					
Heating	285.23 kVA		100.00%	285.23 kVA		Total Conn. Load: 555.92 kVA			
Kitchen Equipment - Non-Dwelling Unit	7.50 kVA			4.88 kVA		Total Est. Demand: 490.40 kVA			
Lighting	14.67 kVA		100.00%	14.67 kVA		Total Conn. Current: 669 A			
Other	58.95 kVA		85.00%	50.10 kVA		Total Est. Demand Current: 590 A			
Power	0.36 kVA		100.00%	0.36 kVA					
Receptacle	47.32 kVA		60.57%	28.66 kVA					
Spare	0.32 kVA		100.00%	0.32 kVA					

PANEL 899-HP-1-01 NOTES:
1. FOR ADDITIONAL FEEDER SIZE, REFER TO POWER RISER DIAGRAM IN DRAWING E-700

Branch Panel: 899-LP-1-02																				
Location: ELEC CLOSET 17-1-013					Volts: 120/208 Wye & GRD					A.I.C. Rating: 22kAIC										
Supply From: 899-HP-XFMR-03					Phases: 3					Maine Type: M.C.B										
Mounting: Surface					Wires: 4					Maine Rating: 250 A										
Enclosure: Type 1										MCB Rating: 225 A										
Notes:																				
CKT	Circuit Description				Trip	Poles				Poles	Trip	Circuit Description				CKT				
899-LP-1-02#1	GUTTER ICING CP (GFCI BRK.)				20 A	1	0.20 kVA	0.19 kVA					BSB UNITS 2#12 & 1#12G - 3/4"				899-LP-1-02#2			
899-LP-1-02#3	EXTERIOR LIGHTING				20 A	1		0.50 kVA	0.19 kVA		2	15 A					899-LP-1-02#4			
899-LP-1-02#5	LOBBY/CONF. RM. LIGHTING				20 A	1				0.50 kVA	0.25 kVA		2	20 A	CRC PUMP 2#12 & 1#12G - 3/4"				899-LP-1-02#6	
899-LP-1-02#7	AC UNITS 2#10 & 1#10G - 3/4"				20 A	2	0.49 kVA	0.25 kVA					2	30 A	GUTTER DE-ICING (GFCI BRK.) 2#10 & 1#10G - 3/4"				899-LP-1-02#8	
899-LP-1-02#9	GUTTER DE-ICING (GFCI BRK.) 3#10 & 1#10G - 3/4"				30 A	2		0.49 kVA	0.50 kVA		2		2	30 A	HEAT MAT KPREP 2 - 2#10 & 1#10G - 3/4" (GFCI BREAKER)				899-LP-1-02#10	
899-LP-1-02#13							0.50 kVA	1.32 kVA					2	20 A					899-LP-1-02#16	
899-LP-1-02#15	AC UNITS 2#10 & 1#10G - 3/4"				20 A	2			0.64 kVA	1.32 kVA			2	20 A					899-LP-1-02#18	
899-LP-1-02#17											0.64 kVA	0.86 kVA		2	20 A	AC UNITS 2#10 & 1#10G - 3/4"				899-LP-1-02#21
899-LP-1-02#19							7.58 kVA	0.86 kVA					2	20 A					899-LP-1-02#20	
899-LP-1-02#21	899-LP-1-02A				100 A	3		7.22 kVA	1.94 kVA				2	30 A	HEAT MAT KPREP 1 - 2#8 & 1#10G - 3/4" (GFCI BREAKER) - ADD ALT.				899-LP-1-02#22	
899-LP-1-02#23											7.36 kVA	1.94 kVA		2	30 A					899-LP-1-02#24
899-LP-1-02#25	HEAT TRACING - ITEM A8 (GFCI BRK.)				20 A	1	0.40 kVA	2.11 kVA					3	45 A	899-LP-1-05				899-LP-1-02#26	
899-LP-1-02#27	Spare				20 A	1			0.00 kVA	2.09 kVA			3	45 A	899-LP-1-05				899-LP-1-02#28	
899-LP-1-02#29	HEAT MAT STAFF LOUNGE 2#12 & 1#12G - 3/4" (GFCI BRK.)				20 A	2					1.19 kVA	2.50 kVA		1	20 A	HEAT TRACING - ITEM A8 (GFCI BRK.)				899-LP-1-02#30
899-LP-1-02#31							1.19 kVA	0.40 kVA					1	20 A					899-LP-1-02#32	
899-LP-1-02#33	Spare				20 A	1			0.00 kVA	1.32 kVA			2	20 A	HEAT MAT PRESCHOOL 2#12 & 1#12G - 3/4" (GFCI BRK.)				899-LP-1-02#34	
899-LP-1-02#35	HEAT TRACING - ITEM A8 (GFCI BRK.)				20 A	1					0.40 kVA	1.32 kVA		2	20 A					899-LP-1-02#36
899-LP-1-02#37	HEAT MAT KPREP 2 - 2#12 & 1#12G - 3/4" (GFCI BREAKER)				20 A	2	1.32 kVA	1.94 kVA					2	30 A	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4" (GFCI BRK.) - ADD ALT.				899-LP-1-02#38	
899-LP-1-02#39									1.32 kVA	1.94 kVA			2	30 A					899-LP-1-02#40	
899-LP-1-02#41	HEAT MAT PRESCHOOL 2#12 & 1#12G - 3/4" (GFCI BRK.)				20 A	2					1.32 kVA	1.94 kVA		2	30 A	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4" (GFCI BRK.) - ADD ALT.				899-LP-1-02#42
899-LP-1-02#43							1.32 kVA	1.94 kVA					2	30 A					899-LP-1-02#44	
899-LP-1-02#45	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4" (GFCI BRK.) - ADD ALT.				30 A	2			1.94 kVA	0.00 kVA			1	20 A	Spare				899-LP-1-02#46	
899-LP-1-02#47											1.94 kVA	0.00 kVA		1	20 A	Spare				899-LP-1-02#48
899-LP-1-02#49	Spare				20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare				899-LP-1-02#50	
899-LP-1-02#51	Spare				20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare				899-LP-1-02#52	
899-LP-1-02#53	Spare				20 A	1					0.00 kVA	0.00 kVA		1	20 A	Spare				899-LP-1-02#54
899-LP-1-02#55	Spare				20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare				899-LP-1-02#56	
899-LP-1-02#57	Spare				20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare				899-LP-1-02#58	
899-LP-1-02#59	Spare				20 A	1					0.00 kVA	0.00 kVA		1	20 A	Spare				899-LP-1-02#60
899-LP-1-02#61	Spare				20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare				899-LP-1-02#62	
899-LP-1-02#63	Spare				20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare				899-LP-1-02#64	
899-LP-1-02#65	Spare				20 A	1					0.00 kVA	0.00 kVA		1	20 A	Spare				899-LP-1-02#66
Total Load:					22.00 kVA		21.41 kVA		23.16 kVA											
Total Amps:					184 A		178 A		194 A											
Legend:																				
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals															
HVAC		4.35 kVA	75.00%	3.26 kVA	Total Conn. Load: 66.56 kVA															
Heating		31.65 kVA	100.00%	31.65 kVA	Total Est. Demand: 59.63 kVA															
Kitchen Equipment - Non-Dwelling Unit		2.40 kVA	80.00%	2.16 kVA	Total Conn. Current: 115 A															
Lighting		1.00 kVA	100.00%	1.00 kVA	Total Est. Demand Current: 166 A															
Other		7.98 kVA	65.00%	6.78 kVA																
Power		0.36 kVA	100.00%	0.36 kVA																
Receptacle		18.82 kVA	76.57%	14.41 kVA																

Branch Panel: 899-LP-1-04											
Location: ELECTRICAL 17-1-041 Supply From: 899-HP-XFMR-04 Mounting: Surface Enclosure: Type 1				Volts: 120/208 Wye & GRD Phases: 3 Wires: 4				A.I.C. Rating: 22kAIC Maine Type: M.C.B Maine Rating: 250 A MCB Rating: 225 A			
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-04#1	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.18 kVA	0.54 kVA			1	20 A LOBBY RECEPTACLES	899-LP-1-04#2	
899-LP-1-04#3	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1		0.18 kVA	0.72 kVA		1	20 A EXTERIOR RECEPTACLES	899-LP-1-04#4	
899-LP-1-04#5	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1			0.40 kVA	0.60 kVA	1	20 A DRINKING FOUNTAIN RECEPTACLE	899-LP-1-04#6	
899-LP-1-04#7	DRINKING FOUNTAIN RECEPTACLE	20 A	1	0.60 kVA	0.72 kVA			1	20 A CLASSROOM RESTROOM RECEPTACLES	899-LP-1-04#8	
899-LP-1-04#9	INFANT 1/2 CLASSROOM RECEPTACLES	20 A	1		1.44 kVA	0.20 kVA		1	20 A SECURITY/ACCESS DEVICE (ITEM A0)	899-LP-1-04#10	
899-LP-1-04#11	INFANT 2 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	0.20 kVA	1	20 A SECURITY/ACCESS DEVICE (ITEM A0)	899-LP-1-04#12	
899-LP-1-04#13	WELLNESS APPLIANCE	20 A	1	1.20 kVA	1.26 kVA			1	20 A INFANT 1 CLASSROOM RECEPTACLES	899-LP-1-04#14	
899-LP-1-04#15	OFFICE RECEPTACLES	20 A	1		0.36 kVA	0.54 kVA		1	20 A TOILET RECEPTACLES	899-LP-1-04#16	
899-LP-1-04#17	WARMING KITCHEN RECEPTACLES	20 A	1			0.36 kVA	2.00 kVA			899-LP-1-04#18	
899-LP-1-04#19	DRYER RECEPTACLE 4#8 & 1#10G - 1°C	50 A	2	2.00 kVA	2.00 kVA			2	50 A DRYER RECEPTACLE 4#8 & 1#10G - 1°C	899-LP-1-04#20	
899-LP-1-04#21					2.00 kVA	12.45 kVA				899-LP-1-04#22	
899-LP-1-04#23	WARMING KITCHEN RECEPTACLES	20 A	1			0.54 kVA	12.45 kVA	3	125 A 899-LP-1-04A	899-LP-1-04#24	
899-LP-1-04#25	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.20 kVA	8.30 kVA					899-LP-1-04#26	
899-LP-1-04#27	WASHER RECEPTACLE	20 A	1		0.60 kVA	0.60 kVA		1	20 A WARMING PANTRY APPLIANCE	899-LP-1-04#28	
899-LP-1-04#29	WASHER RECEPTACLE	20 A	1			0.60 kVA	0.60 kVA	1	20 A WASHER RECEPTACLE	899-LP-1-04#30	
899-LP-1-04#31	OFFICE RECEPTACLES	20 A	1	0.36 kVA	0.54 kVA			1	20 A MEP/STORAGE RECEPTACLES	899-LP-1-04#32	
899-LP-1-04#33	MEP/STORAGE RECEPTACLES	20 A	1		0.72 kVA	1.08 kVA		1	20 A CORRIDOR RECEPTACLES	899-LP-1-04#34	
899-LP-1-04#35	WELLNESS RECEPTACLES	20 A	1			0.72 kVA	1.08 kVA	1	20 A MOVEMENT MATTERS RECEPTACLES	899-LP-1-04#36	
899-LP-1-04#37	WASHER RECEPTACLE	20 A	1	0.60 kVA	0.60 kVA			1	20 A WARMING PANTRY APPLIANCE	899-LP-1-04#38	
899-LP-1-04#39	TODDLER 3 CLASSROOM RECEPTACLES	20 A	1		1.26 kVA	1.26 kVA		1	20 A INFANT 4 CLASSROOM RECEPTACLES	899-LP-1-04#40	
899-LP-1-04#41	TODDLER 4 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	1.26 kVA	1	20 A TODDLER 1 CLASSROOM RECEPTACLES	899-LP-1-04#42	
899-LP-1-04#43	LOBBY RECEPTACLE	20 A	1	0.72 kVA	1.08 kVA			1	20 A CLASSROOM RESTROOM RECEPTACLES	899-LP-1-04#44	
899-LP-1-04#45	TODDLER 1/2 CLASSROOM RECEPTACLES	20 A	1		1.44 kVA	0.00 kVA		1	20 A ASCO 920 RELAY '899-RC-01'	899-LP-1-04#46	
899-LP-1-04#47	TODDLER 3/4 CLASSROOM RECEPTACLES	20 A	1			1.44 kVA	0.10 kVA	1	20 A JCI ATS AND GEN MONITORING PANEL	899-LP-1-04#48	
899-LP-1-04#49	TODDLER 2 CLASSROOM RECEPTACLES	20 A	1	1.26 kVA	1.26 kVA			1	20 A INFANT 3 CLASSROOM RECEPTACLES	899-LP-1-04#50	
899-LP-1-04#51	Spare	20 A	1		0.00 kVA	0.17 kVA				899-LP-1-04#52	
899-LP-1-04#53	Spare	20 A	1			0.00 kVA	0.17 kVA	3	40 A KITCHEN APPLIANCE 'A5' 4#8 & 1#10G - 3/4°C	899-LP-1-04#54	
899-LP-1-04#55	INFANT 3/4 CLASSROOM RECEPTACLES	20 A	1	1.44 kVA	0.17 kVA					899-LP-1-04#56	
899-LP-1-04#57					0.17 kVA	0.17 kVA				899-LP-1-04#58	
899-LP-1-04#59	KITCHEN APPLIANCE 'A5' 4#8 & 1#10G - 3/4°C	40 A	3			0.17 kVA	0.17 kVA	3	40 A KITCHEN APPLIANCE 'A5' 4#8 & 1#10G - 3/4°C	899-LP-1-04#60	
899-LP-1-04#61				0.17 kVA	0.17 kVA					899-LP-1-04#62	
899-LP-1-04#63	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A Spare	899-LP-1-04#64	
899-LP-1-04#65	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A Spare	899-LP-1-04#66	
899-LP-1-04#67	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A Spare	899-LP-1-04#68	
899-LP-1-04#69	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A Spare	899-LP-1-04#70	
899-LP-1-04#71	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A Spare	899-LP-1-04#72	
899-LP-1-04#73	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A Spare	899-LP-1-04#74	
899-LP-1-04#75	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A Spare	899-LP-1-04#76	
899-LP-1-04#77	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A Spare	899-LP-1-04#78	
899-LP-1-04#79	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A Spare	899-LP-1-04#80	
899-LP-1-04#81	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A Spare	899-LP-1-04#82	
899-LP-1-04#83	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A Spare	899-LP-1-04#84	
Total Load:				25.36 kVA	25.35 kVA	25.37 kVA					
Total Amps:				211 A	211 A	211 A					
Legend:											
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals						
Kitchen Equipment - Non-Dwelling Unit		5.10 kVA	65.00%	3.32 kVA	Total Conn. Load: 76.08 kVA						
Other		42.56 kVA	85.00%	36.18 kVA	Total Est. Demand: 58.75 kVA						
Receptacle		28.32 kVA	67.66%	19.16 kVA	Total Conn. Current: 211 A						
Spare		0.10 kVA	100.00%	0.10 kVA	Total Est. Demand Current: 163 A						

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LIGHTING CONTROL ZONE LOAD SCHEDULE											
CONTROL ZONE	DESCRIPTION	FIXTURE TYPE	QTY.	NON-DIM	ELV	0-10V	WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS	
17-1-001 - VESTIBULE											
LZ1	DOWNLIGHTS	LS1	4			X	10 PER FIXT.	40W	1		
17-1-002 - LOBBY / RECEPTION											
LZ2	RECESSED ADJUSTABLE DOWNLIGHTS	LD2	14			X	24 PER FIXT.	336W	1		
LZ3	RECESSED ADJUSTABLE DOWNLIGHTS	LD2	7			X	24 PER FIXT.	168W	1		
LZ4	PENDANTS	LP3	3			X	10 PER FIXT.	30W	1		
LZ102	RECESSED DOWNLIGHT	LD1	1			X	15 PER FIXT.	15W	1		
17-1-003 - DIRECTOR'S OFFICE											
LZ5	DOWNLIGHTS	LD1	6			X	15 PER FIXT.	90W	1		
17-1-004 - CONFERENCE											
LZ6	DOWNLIGHTS	LD1	4			X	15 PER FIXT.	60W	1		
LZ7	PENDANTS	LP3	2			X	10 PER FIXT.	20W	1		
17-1-005 - STEM LAB											
LZ8	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1		
LZ8	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1		
LZ8	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ9	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1		
LZ9	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1		
LZ9	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
17-1-006 - JC											
LZ10	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1		
17-1-007 - STEM STORAGE											
LZ11	2X4 RECESSED	LR1	1	X		X	50 PER FIXT.	50W	1		
17-1-008 - COPY / WORK											
LZ12	DOWNLIGHTS	LD1	4			X	15 PER FIXT.	60W	1		
17-1-009 - STAFF TOILET											
LZ13	2X4 RECESSED	LD1	2			X	15 PER FIXT.	30W	1		
17-1-010 & 011 - STAFF LOUNGE / LEARNING RESOURCE CENTER											
LZ14	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1		
LZ14	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ15	PENDANTS	LP2	4			X	30 PER FIXT.	120W	1		
17-1-012 - STORAGE											
LZ16	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1		
17-1-013 - ELECTRICAL CLOSET											
LZ17	LINEAR LED SURFACE OR SUSPENDED	A	1	X			50 PER FIXT.	50W	1		
17-1-014 - PRESCHOOL 1											
LZ18	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ19	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1		
LZ18	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ20	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1		
LZ21	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1		
LZ22	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ23	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ24	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1		
17-1-015 - PRESCHOOL 2											
LZ25	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ26	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1		
LZ25	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ27	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1		
LZ28	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1		
LZ29	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ30	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ31	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1		
17-1-016 - K-PREP 1											
LZ32	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ33	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1		
LZ32	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ34	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1		
LZ35	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1		
LZ36	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ37	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ38	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1		
17-1-017 - K-PREP 2											
LZ39	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ40	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1		
LZ39	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ41	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1		
LZ42	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1		
LZ43	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ44	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1		
LZ45	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1		
17-1-018 - PLUMBING											
LZ46	LINEAR LED SURFACE OR SUSPENDED	A	3	X			50 PER FIXT.	150W	1		
17-1-019 - STORAGE											
LZ47	2X4 RECESSED	LR1	2	X			50 PER FIXT.	100W	1		
17-1-020 - CORRIDOR											
LZ48	LED SURFACE MOUNTED DOWNLIGHT	LS1	21			X	10 PER FIXT.	210W	1		
LZ49	LED SURFACE MOUNTED DOWNLIGHT	LS1	20			X	10 PER FIXT.	200W	1		
17-1-021 - CORRIDOR											
LZ105	LED SURFACE MOUNTED DOWNLIGHT	LD1	4			X	15 PER FIXT.	60W	1		
17-1-022 - CORRIDOR											
LZ50	LED SURFACE MOUNTED DOWNLIGHT	LS1	20			X	10 PER FIXT.	200W	1		
LZ51	LED SURFACE MOUNTED DOWNLIGHT	LS1	21			X	10 PER FIXT.	210W	1		
LZ107	LED SURFACE MOUNTED DOWNLIGHT	LS1	4			X	10 PER FIXT.	40W	1		
LZ108	LED SURFACE MOUNTED DOWNLIGHT	LS1	5			X	10 PER FIXT.	50W	1		
17-1-023 - MOVEMENT MATTERS ZONE											
LZ52	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1		
LZ52	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1		
LZ52	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1		
LZ53	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1		
LZ53	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1		
17-1-024 - STORAGE											
LZ106	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1		
17-1-025 - TOILET											
LZ54	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1		
17-1-026 - HEALTH & SAFETY DIRECTOR											
LZ55	RECESSED DOWNLIGHT	LD1	4			X	15 PER FIXT.	60W	1		
17-1-027 - TELE / DATA											
LZ56	LINEAR LED SURFACE OR SUSPENDED	A	1	X			50 PER FIXT.	50W	1		
17-1-028 - CAR SEAT AND STROLLER STORAGE											
LZ57	RECESSED DOWNLIGHT	LD1	4	X			15 PER FIXT.	60W	1		
17-1-029 - WELLNESS											
LZ58	RECESSED DOWNLIGHT	LD1	4	X			15 PER FIXT.	60W	1		
17-1-030 - TOILET											
LZ59	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1		
17-1-031 - TOILET											
LZ60	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1		

LIGHTING CONTROL ZONE LOAD SCHEDULE											
CONTROL ZONE	DESCRIPTION	FIXTURE TYPE	QTY.	NON-DIM	ELV	0-10V	WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS	
17-1-032 - INFANT 1											
LZ80	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ80	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ81	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ81	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ82	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ83	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
LZ84	TOILET INFANT 3 & 4	LD1	6	X			15	PER FIXT. 90W	1		
17-1-033 - INFANT 2											
LZ85	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ85	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ86	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ86	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ87	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ88	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
17-1-034 - INFANT 3											
LZ89	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ89	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ90	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ90	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ91	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ92	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
LZ93	TOILET INFANT 3 & 4	LD1	6	X			15	PER FIXT. 90W	1		
17-1-035 - INFANT 4											
LZ94	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ94	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ95	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ95	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ96	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ97	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
17-1-036 - TODDLER 1											
LZ61	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ61	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ62	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ62	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ63	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ64	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
LZ65	TOILET TODDLER 1 & 2	LD1	6	X			15	PER FIXT. 90W	1		
17-1-037 - TODDLER 2											
LZ66	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ66	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ67	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ67	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ68	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ69	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
17-1-038 - TODDLER 3											
LZ70	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ70	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ71	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ71	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ72	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ73	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
LZ74	TOILET TODDLER 3 & 4	LD1	6	X			15	PER FIXT. 90W	1		
17-1-039 - TODDLER 4											
LZ75	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT. 128W	1		
LZ75	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT. 96W	1		
LZ76	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT. 192W	1		
LZ77	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT. 128W	1		
LZ78	RECESSED DOWNLIGHT	LD1	2			X	15	PER FIXT. 30W	1		
LZ79	WALL SCONCE	LS2	1			X	10	PER FIXT. 10W	1		
17-1-040 - STORAGE											
LZ101	2X4 RECESSED	LR1	2	X			50	PER FIXT. 100W	1		
17-1-041 - ELECTRICAL											
LZ103	LINEAR LED SURFACE OR SUSPENDED	A	4	X			50	PER FIXT. 200W	1		
17-1-042 - LAUNDRY											
LZ100	2X4 RECESSED	LR1	1	X			50	PER FIXT. 50W	1		
17-1-043 - WATER HEATER											
LZ104	LINEAR LED SURFACE OR SUSPENDED	A	1	X			50	PER FIXT. 50W	1		
17-1-044 - WARMING KITCHEN											
LZ98	2X4 RECESSED	LR1	3			X	50	PER FIXT. 150W	1		
LZ99	2X4 RECESSED	LR1	4			X	50	PER FIXT. 200W	1		
EXTERIOR BUILDING LIGHTING											
EZ1	EXTERIOR WALL SCONCE PER CIVIL DRAWINGS	SL2	18	X			52	PER FIXT. 936W	1		REFER TO CIVIL DRAWINGS FOR SPECS.
EZ2	EXTERIOR LIGHTING AT SIGNAGE	LS2	20			X	10	PER LIN. FT 200W	1		
EZ3	EXTERIOR DOWNLIGHT AT ENTRY SOFFIT	LS2	2			X	15	PER FIXT. 30W	1		
EZ4	EXTERIOR LED AREA LIGHT PER CIVIL DRAWINGS	SL1	12	X			63	PER FIXT. 756W	1		REFER TO CIVIL DRAWINGS FOR SPECS.
EZ5	EXTERIOR LED MOUNTAIN LIGHTING	SL3	4	X			25	PER FIXT. 100W	1		REFER TO CIVIL DRAWINGS FOR SPECS.
EZ6	EXTERIOR VAPOR TIGHT AT ROOF	B	4	X			15	PER FIXT. 60W	1		

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect
Gensler
1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates
498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

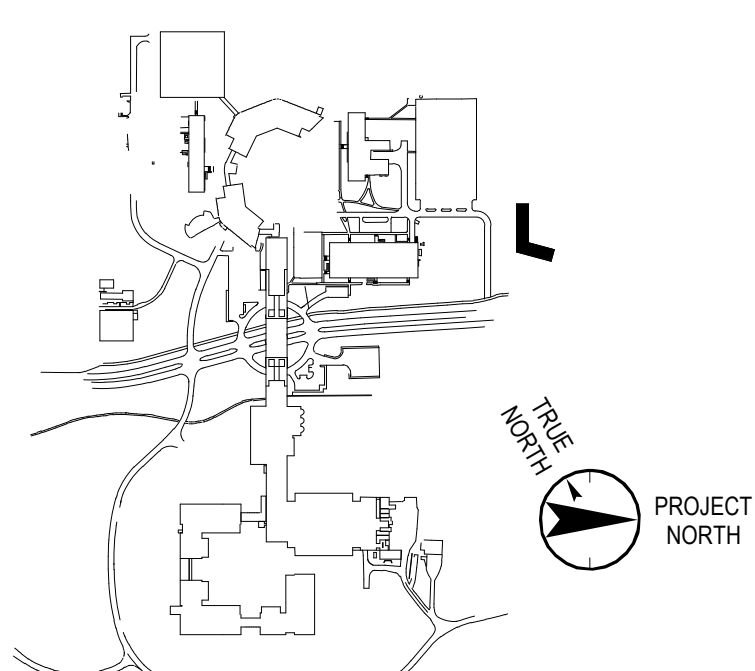
Civil Engineer

JMC
120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	05.20.2022	ISSUED FOR PERMIT

Plot Date: 05/05/22

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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
ELECTRICAL SCHEDULES
SHEET 4

Scale: 12" = 1'-0" Floor:

E-603

SITE LIGHTING SCHEDULE							
TYPE	FIXTURE DESCRIPTION	LOCATION	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTAGE	NOTE A7

SL1	OUTDOOR LED AREA LIGHT	SITE	LSI CORP	MRS-LED-09L-SIL-5W-30-70CRI	63	277V	WITH MOTION AND PHOTOCCELL SENSOR
SL2	OUTDOOR LED WALL LIGHT	SITE	LSI CORP	XWS-LED-06L-FTW-40-80CRI	52	277V	WITH MOTION AND PHOTOCCELL SENSOR
SL3	MONUMENT LIGHTING	SITE		COORDINATE LIGHTING FIXTURE TYPE WITH ARCHITECT		277V	CONTROLLED VIA TIMECLOCK ON PHOTOCCELL OFF

SITELIGHTING SCHEDULE NOTES:

1. FOR EXACT QUANTITY, LOCATION, AND TYPES FOR SITE LIGHTING FIXTURES, REFER TO CIVIL ENGINEERS DRAWING C-600 FOR ADDITIONAL INFORMATION.
2. REFER TO DETAIL '1X' FOR SITE LIGHTING DETAIL.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, CONTROLS, APPURTENANCES, AND CONNECTIONS AS REQUIRED FOR A COMPLETE INSTALLATION AS PER INSTRUCTIONS ISSUED BY SYSTEM VENDOR FINAL LOCATION FOR SITE LIGHTING FIXTURES SHALL BE COORDINATED WITH ARCHITECT.
4. REFER TO DRAWING E-052 FOR SITE LIGHTING PLAN.

REGENERON - LIGHTING FIXTURE SCHEDULE										
TYPE	FIXTURE DESCRIPTION	LOCATION	MANUFACTURER	CATALOG NUMBER	FINISH	LAMPING	FIXTURE INPUT			
							VOLTAGE	WATTS	UNITS	
A	SURFACE OR PENDANT MOUNTED LED LINEAR LIGHT WITH NOMINAL 4' LONG HOUSING, DIFFUSING LENS, AND INTEGRAL DRIVER.	GENERAL	COOPER-METALUX	INDUSTRIAL LED LINEAR BAY #4-LED-1T-D5-5-W-TBW-UNV-LR35-CD	PER ARCHITECT	LED 3500K 5000 LM	UNV	50	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDARD TYPE LT-41
B	SURFACE MOUNTED LED VAPORTIGHT FIXTURE WITH QUARDED DIFFUSING LENS, INTEGRAL DRIVER AND WET LOCATION RATING.	ROOF	LITHONIA	OLVTWM	PER ARCHITECT	LED 4000K 600 LM	UNV	15	PER FIXT.	
LD1	CEILING RECESSED DOWNLIGHT WITH NOMINAL 4 INCH SQUARE APERTURE AND 3.5 INCH RECESSED DEPTH, WITH DIFFUSED SOLITE LENS, 65 DEGREE BEAM, 45 DEGREE CUTOFF, INTEGRAL 0-10V DIMMABLE DRIVER.	GENERAL	TECH LIGHTING	ELEMENT 4" HOUSING E4PH #E4PS-F-L5-930-D-N- (INTEGRATED DRIVER 277V-01-0V CONTROL-2 & TRIM #E4PS-R-R-930-6-[FINISH]-[FINISH]	PER ARCHITECT	LED 3000K 1500 LM	277	15	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDARD TYPE LT-56
LD2	CEILING RECESSED ADJUSTABLE DOWNLIGHT WITH NOMINAL 4 INCH SQUARE APERTURE AND 6 INCH RECESSED DEPTH, WITH DIFFUSED SOLITE LENS, 40 DEGREE BEAM, 40 DEGREE TILT ADJUSTMENT AND 361 DEGREE ROTATION, WITH 45 DEGREE CUTOFF, INTEGRAL 0-10V DIMMABLE DRIVER.	MAIN LOBBY	TECH LIGHTING	ELEMENT 4" HOUSING E4NGH #E4PS-F-L24-930-4-A-N- (INTEGRATED DRIVER 277V-01-0V CONTROL-2 & TRIM #E4PS-R-R-[FINISH]-[FINISH] & #352E4LED0CP-25	PER ARCHITECT	LED 3000K 1800 LM	277	24	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDARD TYPE LT-56
LP1	NOT USED.									
LP2	SURFACE MOUNTED LED PENDANT WITH 4.5 INCH SQUARE PROFILE X 5 INCH HIGH, WIDE BEAM 85 DEGREE OPTICS, WITH INTEGRAL 0-10V DIMMABLE DRIVER. PROVIDE WITH RIGID STEM PENDANT, LENGTH TO BE CONFIRMED.	PRE-K CLASSROOM	SPECTRUM	PICO PENDANT #C04585QX-[OUTPUT TO BE CONFIRMED]-30K-XIV-DS10X-FG-PM[FINISH]	PER ARCHITECT	LED 3000K 3000 LM	277V	30	PER FIXT.	ALLOW UP TO 30W EACH.
LP3	CEILING SUSPENDED LED PENDANT, WITH NOMINAL 14.5 INCH ROUND X 13 INCH HIGH CONICAL PROFILE. RECESSED CEILING JBOX REQUIRED, INTEGRAL ELV OR 0-10V DIMMABLE DRIVER REQUIRED.	LOBBY AND CONFERENCE	TECH LIGHTING	MLO #F070TDM-L0-W0-LED927	PER ARCHITECT	LED 3000K 400 LM	120V	10	PER FIXT.	
LR1	CEILING RECESS MOUNTED LED TROFFER WITH NOMINAL 2X4 HOUSING, DIFFUSING LENS AND INTEGRAL 0-10V DIMMABLE DRIVER WHERE DIMMING IS SPECIFIED.	GENERAL	AXIS LIGHTING	DIA 2X4 LED #DIALED-24-5000-80-35-VL-W-1-DP-1-[MOUNTING]	PER ARCHITECT	LED 3500K 5000 LM	UNV	50	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDARD, SIMILAR TO TYPE LT-62. ALLOW UP TO 50W PER FIXTURE. 3000K COLOR TEMPERATURE IS RECOMMENDED.
LR2	CEILING RECESSED LINEAR LED DOWNLIGHT INTEGRATED INTO CEILING GRIDS, WITH NOMINAL 1 INCH WIDE X 1.5 INCH HIGH PROFILE WITH DIFFUSED CONTINUOUS LENS AND REMOTE 0-10V DIMMABLE DRIVER. FIXTURE SHALL BE 2X2 SQUARE PATTERN.	CLASSROOMS	ARMSTRONG	TBAR LED #TBSL-HW-BX2 SQUARE]- (GRID)-B-A-[C] WITH REMOTE POWER SUPPLY #TBSL-DIM-HP-[100W]-UNV	PER ARCHITECT	LED 3000K 564 LM PER FT	UNV	64	PER FIXT.	POWER SUPPLIES SUBJECT TO WATTAGE AND CONTROL SYSTEM LIMITATIONS.
LR3	CEILING RECESSED LINEAR LED DOWNLIGHT INTEGRATED INTO CEILING GRIDS, WITH NOMINAL 1 INCH WIDE X 1.5 INCH HIGH PROFILE WITH DIFFUSED CONTINUOUS LENS AND REMOTE 0-10V DIMMABLE DRIVER. FIXTURE SHALL BE 2X4 RECTANGULAR PATTERN.	CLASSROOMS	ARMSTRONG	TBAR LED #TBSL-HW-BX24 RECTANGLE]- (GRID)-B-A-[C] WITH REMOTE POWER SUPPLY #TBSL-DIM-HP-[100W]-UNV	PER ARCHITECT	LED 3000K 564 LM PER FT	UNV	96	PER FIXT.	POWER SUPPLIES SUBJECT TO WATTAGE AND CONTROL SYSTEM LIMITATIONS.
LR4	CEILING RECESSED LINEAR LED DOWNLIGHT INTEGRATED INTO CEILING GRIDS, WITH NOMINAL 1 INCH WIDE X 1.5 INCH HIGH PROFILE WITH DIFFUSED CONTINUOUS LENS AND REMOTE 0-10V DIMMABLE DRIVER. FIXTURE SHALL BE 4X4 SQUARE PATTERN.	CLASSROOMS	ARMSTRONG	TBAR LED #TBSL-HW-4X4 SQUARE]- (GRID)-B-A-[C] WITH REMOTE POWER SUPPLY #TBSL-DIM-HP-[200W]-UNV	PER ARCHITECT	LED 3000K 564 LM PER FT	UNV	128	PER FIXT.	POWER SUPPLIES SUBJECT TO WATTAGE AND CONTROL SYSTEM LIMITATIONS.
LS1	SQUARE SURFACE MOUNTED DOWNLIGHT NOMINAL 4 INCH SQUARE X 0.7 INCH HIGH PROFILE AND 0.25 INCH WIDE FRAME, DIFFUSED LENS, PROVIDE WITH INTEGRAL ELV OR 0-10V DIMMABLE DRIVER WITH 277V AC INPUT.	INFANT CORRIDOR	JUNO	SLINFORM LED #JUSFO-5IN07L-30K-90CRI-MVOL-T-2T-WH	PER ARCHITECT	LED 3000K 700 LM	UNV	10	PER FIXT.	
LS2	SURFACE MOUNTED LED SCIENCE WITH 4.5 INCH SQUARE PROFILE X 5 INCH HIGH, WIDE BEAM 85 DEGREE OPTICS, WITH INTEGRAL 0-10V DIMMABLE DRIVER.	INFANT CLASSROOM	SPECTRUM	PICO SCIENCE #PICO585QXT-[10L-30K-XW-DS10X-FG-WM3-[FINISH]	PER ARCHITECT	LED 3000K 1000 LM	277V	10	PER FIXT.	MOUNT FIXTURE IN COMPLIANCE WITH ALL ADA REQUIREMENTS.
LX1	NOT USED.									
LX2	EXTERIOR RATED RECESSED MOUNTED LINEAR LED DOWNLIGHT WITH WALLGRazing OPTICS, NOMINAL 2.5 INCH WIDE X 4 INCH HIGH HOUSING WITH DIFFUSED SATIN CONTINUOUS LENS, AND INTEGRAL DIMMABLE DRIVER. RATED IP65 FOR EXTERIOR WET LOCATIONS.	EXTERIOR ENTRY SIGNAGE WALL	SELUX	M60 #L602-1C40-500-[A2 OR A5 OPTICS]-[MOUNTING]-[LENGTH PER DRAWINGS]-SP-U-DIM	PER ARCHITECT	LED 3000K 954 LM PER FT	UNV	10	PER LIN FT	PROVIDE WITH INTEGRAL DIMMABLE 0-10V DRIVER AND CONTROLS
LX3	EXTERIOR RATED CEILING RECESSED DOWNLIGHT WITH NOMINAL 4 INCH SQUARE APERTURE AND 3.5 INCH RECESSED DEPTH, WITH DIFFUSED SOLITE LENS, 65 DEGREE BEAM, 45 DEGREE CUTOFF, INTEGRAL 0-10V DIMMABLE DRIVER. RATED IP65 FOR EXTERIOR WET LOCATIONS.	EXTERIOR ENTRY VESTIBULE SOFFIT	TECH LIGHTING	ELEMENT 4" HOUSING E4PH #E4PS-F-L5-930-D-[IWET LOCATION]-INTEGRATED DRIVER 277V-01-0V CONTROL-2 & TRIM #E4PS-R-R-930-6-[FINISH]-[FINISH]	PER ARCHITECT	LED 3000K 1500 LM	277	15	PER FIXT.	PROVIDE WITH INTEGRAL DIMMABLE 0-10V DRIVER AND CONTROLS

LIGHTING NOTES:

1. FOR ALL LED FIXTURES, CONTRACTOR TO PROVIDE SPECIFIED LUMEN OUTPUT AT REDUCED WATTAGE IF FIXTURE EFFICIENCY HAS IMPROVED SINCE THE PUBLISHING OF THIS DOCUMENT.
2. ALL LUMEN OUTPUTS INDICATED REFERENCE DELIVERED LUMENS.
3. PROVIDE SPECIFICATIONS BOOK FOR CORRESPONDING LIGHT FIXTURE OUTSHETS.
4. ALL MANUFACTURERS OF CONTINUOUS-RUN LINEAR FIXTURES MUST SUBMIT SHOW DRAWINGS COORDINATED WITH ARCHITECTURAL DRAWINGS FOR RUN LENGTH REVIEW.
5. FOR ALL LUMINAIRES WHERE MOUNTING ARE INDICATED AND FOR ALL FIXTURES WITH A TRANSLUCENT LENS OR DIFFUSER, SAMPLES OF LED FIXTURES AND DIFFUSER MATERIALS (WHERE APPLICABLE) SHALL BE REVIEWED AND APPROVED BY DESIGN TEAM PRIOR TO FABRICATION.
6. FOR ALL LUMINAIRES, CONTRACTOR TO CONFIRM DRIVER COMPATIBILITY WITH INSTALLED CONTROL SYSTEM.
7. CONTRACTOR TO LOCATE ALL REMOTE DRIVERS IN ACCESSIBLE AND VENTILATED LOCATION NEAR ASSOCIATED FIXTURES.
8. ALLOW FOR MINIMUM OF 1 CONTROL ZONE PER FIXTURE TYPE FOR EACH ROOM, UNLESS OTHERWISE SPECIFIED.
9. CONTRACTOR TO CONFIRM ALL ZONING AND LIGHTING CONTROL, SHOW DRAWINGS PRIOR TO LIGHT FIXTURE AND WIRING INSTALLATION.
10. CONTRACTOR TO PROVIDE ALL INSTALLATION, WIRING, LIGHTING CONTROLS, MOUNTING ACCESSORIES AND ALL NECESSARY REQUIRED COMPONENTS FOR SUCCESSFUL INSTALLATION.
11. REFER TO ARCHITECTURAL ELEVATIONS FOR FIXTURE MOUNTING AND SUSPENSION HEIGHTS.
12. CONTRACTOR TO BE DETERMINED BY ARCHITECT - ANTI-GLARE FINISH MAY BE REQUIRED. CLIENT TO CONFIRM SPEC REQUIREMENTS.
13. INSTALL ALL FIXTURES IN COMPLIANCE WITH ADA REGULATIONS AND GUIDELINES.
14. ALL FIXTURE ALTERNATES WHETHER LISTED IN THIS SCHEDULE OR PROVIDED BY OTHERS REQUIRE APPROVAL FROM OWNER/ARCHITECT/LIGHTING DESIGNER.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND
PROFESSIONAL JUDGMENT, THESE PLANS AND
SPECIFICATION ARE IN COMPLIANCE WITH THE
2020 ENERGY CONSERVATION CODE OF NYS

This plan is approved only for work indicated on the application specification sheet. All other matters show not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

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777 Old Saw Mill River Road
Tarrytown, NY 10591-6707
T: 914.847.7400
F: 914.847.7991
www.regeneron.com

Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Gensler

1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates

498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

Civil Engineer

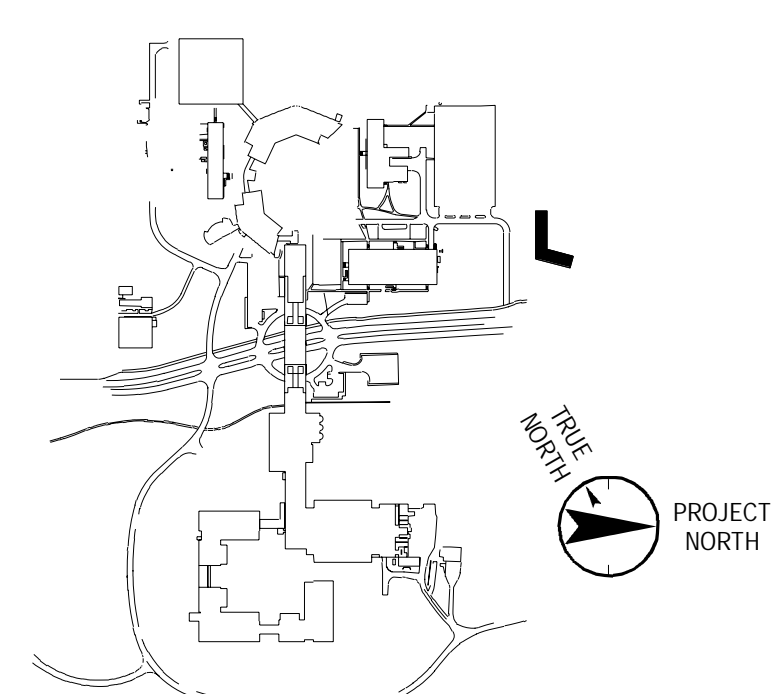
JMC

120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	06.20.2022	ISSUED FOR PERMIT

Plot Date: 11/16/21

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Professional Seal and Signature

Vendor Name: GENSLER

Vendor Project No.: 006.3608.000

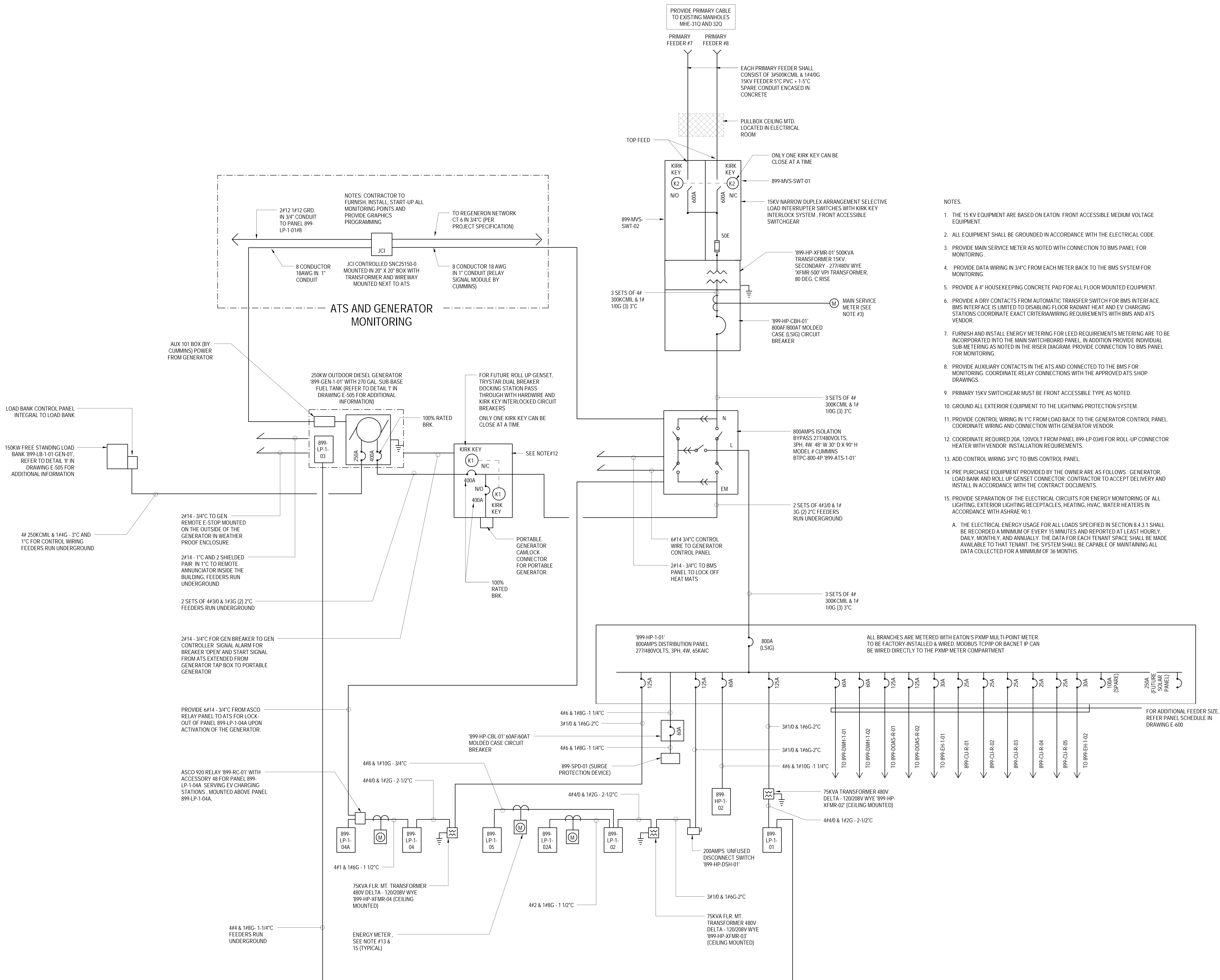
Discipline: _____ Drawn By: AI

ELECTRICAL RISER DIAGRAM

Scale: 1/8" = 1'-0"

Floor:

E-700



ONE LINE DIAGRAM

NOT TO SCALE

TO THE BEST OF MY KNOWLEDGE, BELIEF AND
PROFESSIONAL JUDGMENT, THESE PLANS AND
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