

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

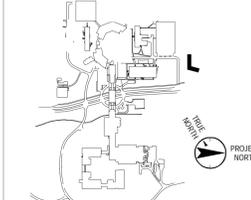
Structural Engineer
Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10021
(917) 661-7800 Phone
(917) 661-7801 Fax

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: 11/23/21

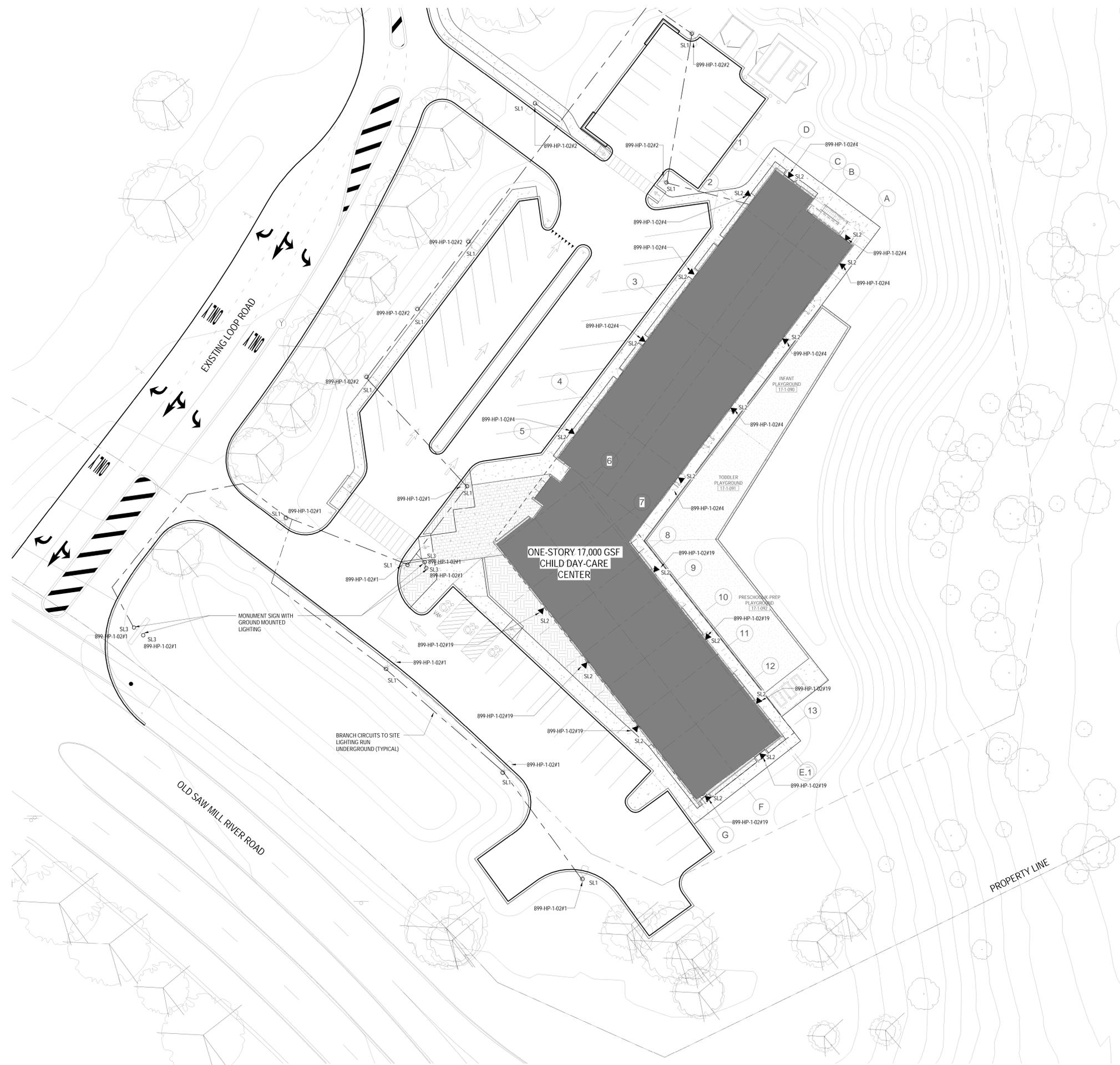
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Professional Seal and Signature

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

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

E-052



- NOTES:
1. ALL UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED CONDUIT PVC COATED WITH THREADED FITTINGS, UNLESS SPECIFIED ELSEWHERE.
 2. ALL UNDERGROUND CONDUITS TO BE INSTALLED 24" BELOW GRADE. REFER TO DETAIL ON DRAWING E-502.
 3. BRANCH CIRCUITS TO SITE LIGHTING SHALL BE # 8 WIRE, INSTALL GROUNDWIRE IN ALL UNDERGROUND CONDUIT.
 4. ALL SITE LIGHTING SHALL BE CONTROLLED VIA PHOTO-CELL TIME CLOCK VIA THE LIGHTING CONTROL PANEL. FINAL LOCATION OF THE EXTERIOR PHOTOCELL TO BE DETERMINED IN THE FIELD.
 5. FOR SITE LIGHTING FIXTURE SCHEDULE REFER TO DRAWING E-603.
 6. FOR EXACT QUANTITY, LOCATION, AND TYPE FOR SITE LIGHTING FIXTURES, REFER TO CIVIL ENGINEERS DRAWING C-600 FOR ADDITIONAL INFORMATION.
 7. COORDINATE EXCAVATION AND BACKFILL FOR UNDERGROUND EXTERIOR CONDUIT WITH GENERAL CONTRACTOR.

① SITE LIGHTING PLAN
1/16" = 1'-0"

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

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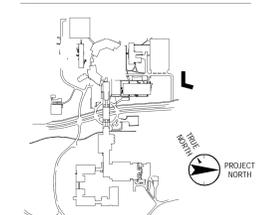
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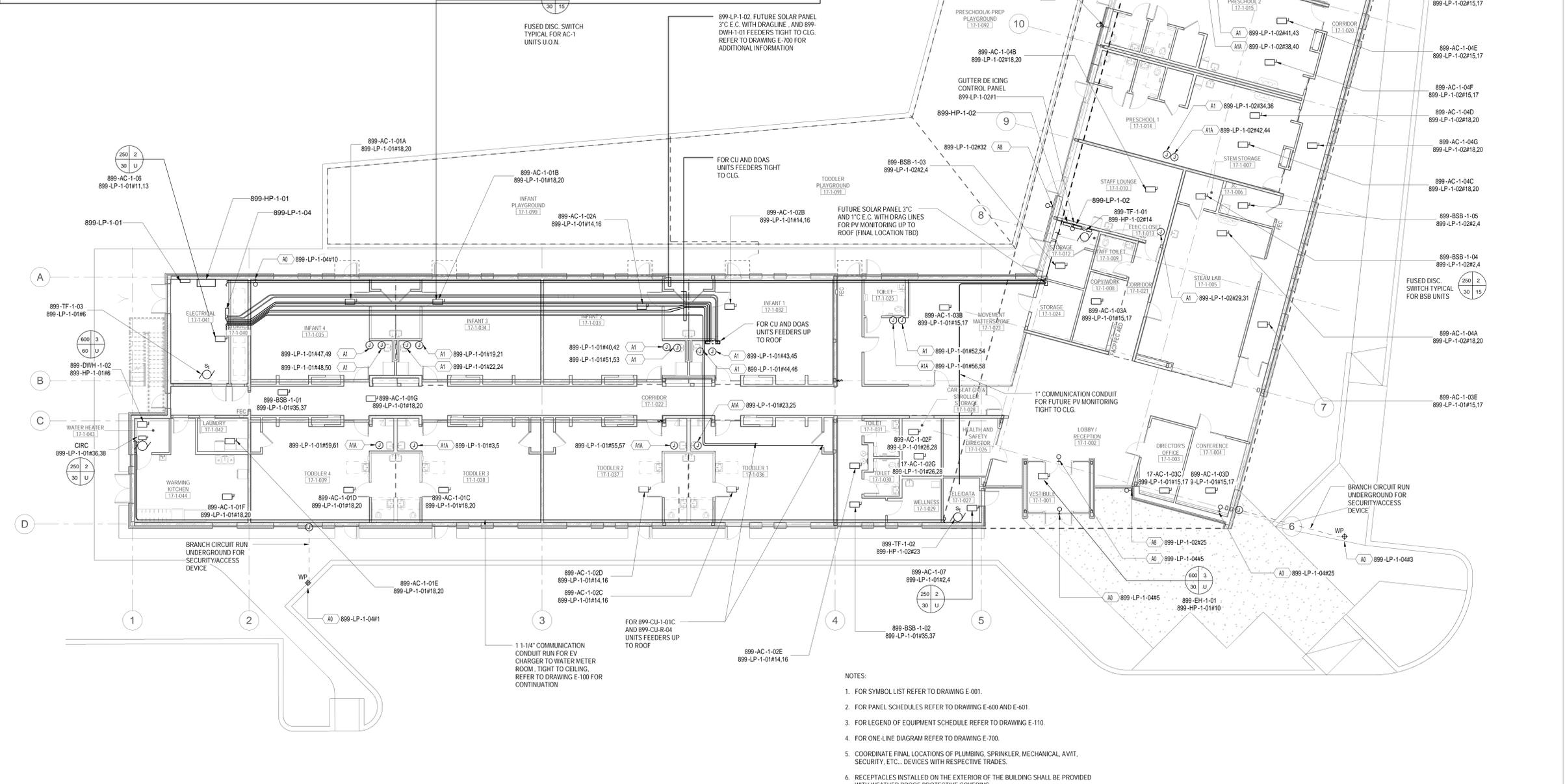
Vendor Name: GENZLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
ELECTRICAL EQUIPMENT
POWER PLAN - 1ST FLOOR

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

E-110

IDENTIFICATION SYMBOL	EQUIPMENT DESCRIPTION	ELECTRICAL RATING				ELECTRICAL WORK NOTES REFERENCE SYMBOL
		KW	KVA	HP	VOLTS	
A1	EACH-HEAT MAT - SEE DETAIL 'VI' IN DWG. E-502 FOR ADDITIONAL INFORMATION. JUNCTION BOX TO BE LOCATED IN THE ACCESSIBLE CEILING ABOVE ROOM THERMOSTATS REFER TO MECHANICAL DRAWINGS M-150, M-502 AND M-705 FOR ADDITIONAL INFORMATION.			20	208	1 240 1 14 40 100
A1A	EACH-HEAT MAT - SEE DETAIL 'VI' IN DWG. E-502 FOR ADDITIONAL INFORMATION. JUNCTION BOX TO BE LOCATED IN THE ACCESSIBLE CEILING ABOVE ROOM THERMOSTATS REFER TO MECHANICAL DRAWINGS M-150, M-502 AND M-705 FOR ADDITIONAL INFORMATION.			30	208	1 240 1 14 40 100
A2	EACH-POWER SUPPLY FOR ELECTRIC DRYER			50	208	2 3 8 40
A3	EACH-POWER SUPPLY FOR ELECTRIC WASHER			20	120	1 2 8 40
A4	EACH-POWER SUPPLY FOR REFRIGERATOR			20	120	1 2 8 40
A5	EACH-POWER SUPPLY FOR DISHWASHER			30.5	208	2 3 30 40 41
A6	EACH-POWER SUPPLY FOR LEAK DETECTION SYS.			20	120	1 2 8 40
A7	EACH-POWER SUPPLY FOR GUTTER/GUTTERS SP-OUT SEAL REGULATING HEATING CABLES. REFER TO DETAIL 'IX' IN DRAWING E-502 FOR ADDITIONAL INFORMATION.			30	208	1 2 1 40 100
A8	EACH-POWER SUPPLY FOR HEAT TRACE BML/FT SPRINKLER/PLUMBING PIPES. REFER TO DETAIL 'VII' AND 'XIV' IN DRAWING E-502 FOR ADDITIONAL INFORMATION.			20	120	1 2 1 24 100
A9	EACH-POWER FOR DRINKING FOUNTAIN			120	120	1 2 1 41 100
A0	EACH-POWER SUPPLY SECURITY DEVICE			20	120	1 2 4 40
B1	EACH-POWER SUPPLY WIRE MOLD SURFACE MOUNTED WIREMOLD WITH 20AMPS 120V DUPLEX OUTLETS 24" ON CENTER WIDE ON ALTERNATE CIRCUITS.			20	120	1 2 4 40
B2	EACH-POWER SUPPLY MICROWAVE			20	120	1 2 4 40

- WORK NOTES FOR LEGEND OF EQUIPMENT ITEMS
- EXTEND INDICATED POWER CIRCUIT AND CONNECT SAME TO THE LINE TERMINALS OF THE EQUIPMENT--THE FINAL PORTION (NOT TO EXCEED 48" IN LENGTH) SHALL BE WITH FLEXIBLE METALLIC CONDUIT.
 - PROVIDE THE CONTROL CIRCUITRY UTILIZING WIRING METHOD AND SIZING AS SPECIFIED FOR MOTOR CONTROLS.
 - PROVIDE SUITABLE PLATE ON OUTLET BOX--PROVIDE 'SOLE' POWER CIRCUIT CONNECTION TO EQUIPMENT CONSISTING OF FLEXIBLE METALLIC CONDUIT CONTAINING WIRES OF SIZE AND TYPE EQUAL TO THOSE SUPPLYING THE OUTLET--NUMBER OF WIRES SHALL BE AS REQUIRED FOR THE EQUIPMENT (FOR FLUSH OUTLET BOX, PROVIDE EXTENSION COLLAR TO ALLOW FOR SIDE ENTRY OF CONNECTION).
 - PROVIDE POWER CIRCUIT WIRING BETWEEN THE VARIOUS COMPONENTS OF THE EQUIPMENT AS DIRECTED.
 - INSERT PLUG OF EQUIPMENT INTO RECEPTACLE.
 - PROVIDE POWER CIRCUIT WIRING BETWEEN THE VARIOUS COMPONENTS OF THE EQUIPMENT AS DIRECTED.
 - INSTALL CONTROL DEVICES FURNISHED SEPARATE FROM ELECTRIC WORK AND PROVIDE CONTROL WIRING BETWEEN SAME AS DIRECTED.
 - PROVIDE 8.0 WATTS PER LINEAR FOOT (OUTPUT RATING) PIPE HEATER STRIP AS PER DETAIL 'VII' OF LENGTH AS NOTED ON PLANS WITHIN EQUIPMENT DESIGNATION SYMBOL.
 - PROVIDE DISCONNECT MEANS WITH CONNECTIONS AS REQUIRED TO INTERPOSE SAME BETWEEN TERMINATION OF BUILDING WIRING AND LINE TERMINALS OF UNIT--TYPE OF DISCONNECT MEANS AND MOUNTING LOCATION TO BE IN ACCORDANCE WITH INSTRUCTIONS ISSUED BY THE MANUFACTURER OF THE UNIT.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, APPURTENANCES AND CONNECTIONS AS REQUIRED FOR A COMPLETE INSTALLATION AS PER INSTRUCTIONS ISSUED BY SYSTEM VENDOR FINAL LOCATION FOR THIS ITEM SHALL BE COORDINATED WITH ARCHITECT.
 - CONTRACTOR TO PROVIDE HARD WIRED CONNECTIONS OR NEMA TYPE RECEPTACLES FOR KITCHEN APPLIANCE AS PER MANUFACTURER REQUIREMENTS.
 - PROVIDE 30mA GROUND FAULT PROTECTION.
 - REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITY OF THIS ITEM AND ASSOCIATED DUCT SMOKE DETECTORS.
 - PROVIDE ALL HEAT TRACING APPURTENANCES, ETC. AS PER MANUFACTURER REQUIREMENTS. FINAL LOCATION AND LENGTH OF HEAT TRACE PIPING SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING TRADE.
 - THE CIRCUIT BREAKER FEEDING THIS ITEM SHALL BE GFI TYPE.
 - EXTEND INDICATED POWER CIRCUIT AND CONNECT SAME TO THE LINE TERMINALS OF THE EQUIPMENT--THE FINAL PORTION (NOT TO EXCEED 48" IN LENGTH) SHALL BE WITH LIQUIDTIGHT CONDUIT.



- NOTES:
- FOR SYMBOL LIST REFER TO DRAWING E-001.
 - FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
 - FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.
 - FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.
 - COORDINATE FINAL LOCATIONS OF PLUMBING, SPRINKLER, MECHANICAL, AVIT, SECURITY, ETC... DEVICES WITH RESPECTIVE TRADES.
 - RECEPTACLES INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE PROVIDED WITH WEATHER PROOF PROTECTIVE COVERING.

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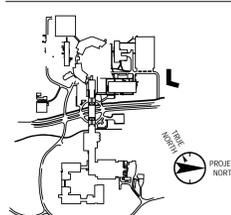
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Key Plan



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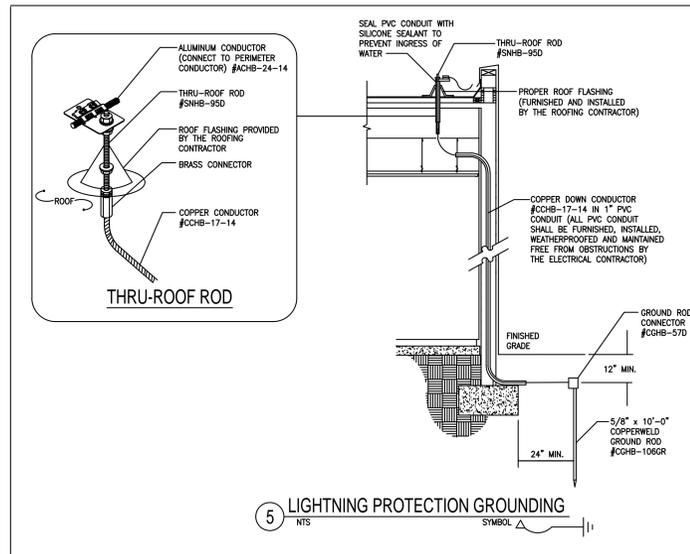
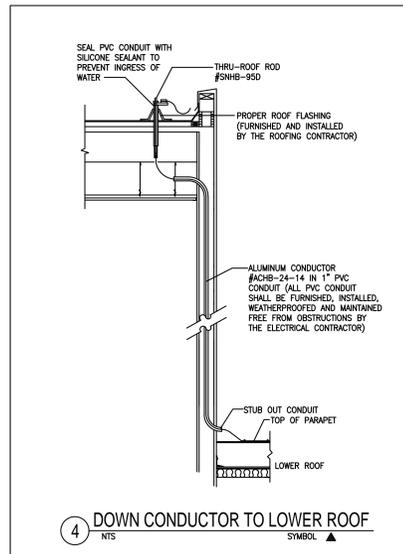
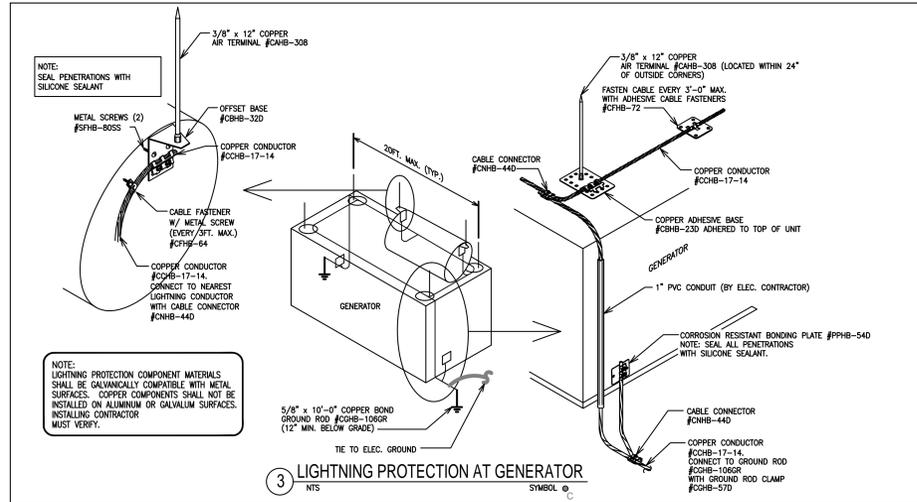
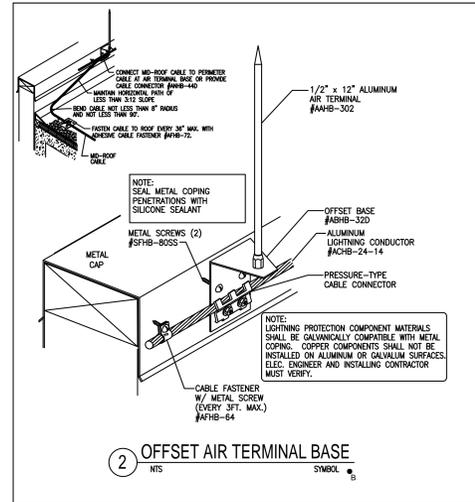
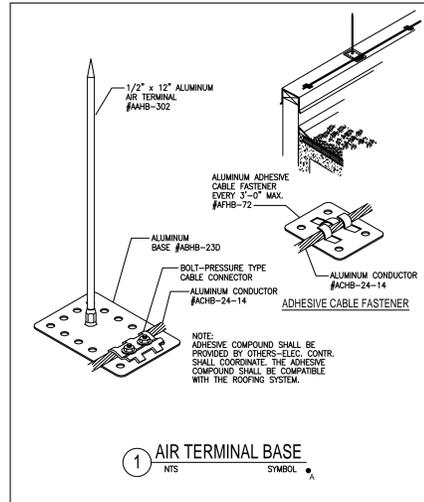
Professional Seal and Signature

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

ELECTRICAL
DETAIL SHEET 2

Scale: NTS Floor:

E-501

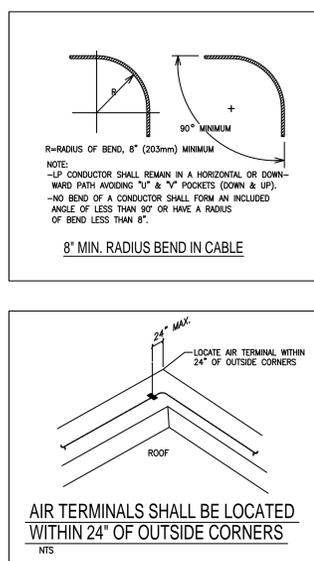
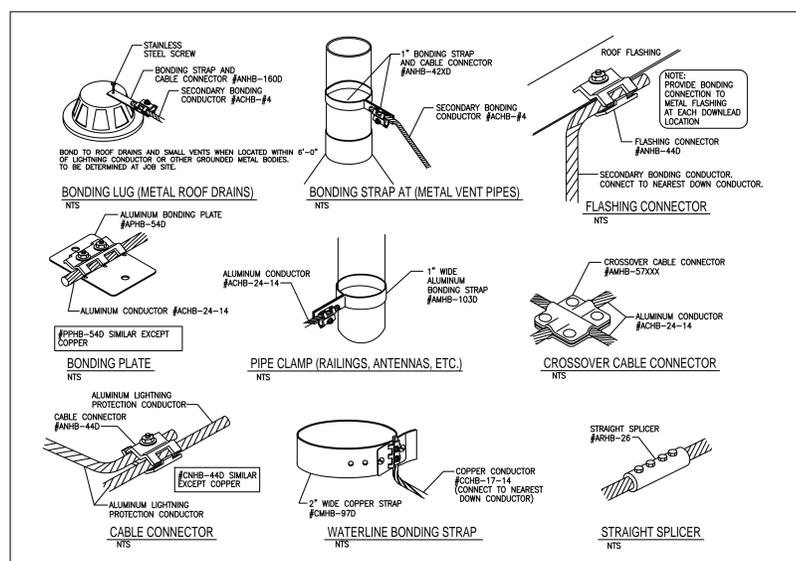


LIGHTNING PROTECTION NOTES

- ALL MATERIALS SHOWN ARE MANUFACTURED BY HEAVY BROS. LIGHTNING PROTECTION CO., INC.
- THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL96, UL96A & NFPA-780 LIGHTNING PROTECTION SYSTEM STANDARDS.
- CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
- NO BEND OF CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".
- 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.
- AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS.
- ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS.
- BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
- ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED EVERY 3'-0" MAX.
- 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.
- BOND ALL LARGE METAL BODIES TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, (I.E. 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).
- 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.
- BOND TO WATERLINES (DOMESTIC & FIRE).
- 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.
- NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90° OR HAVE A RADIUS OF BEND LESS THAN 8".
- TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR, (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.).
- 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	AHNB-302, ABNB-23D
1/2" x 12" ALUMINUM AIR TERMINAL AND OFFSET BASE	AOHB-302, AOHB-23D
1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE (AT ROOF TOP EQUIPMENT)	AHNB-302, ABNB-23D
3/8" x 12" COPPER AIR TERMINAL & ADHESIVE BASE / OFFSET BASE (GENERATOR)	CHNB-308, CBHB-23D, 32D
THRU-ROOF ROD	SNHB-95D
SECONDARY BONDING (USE SECONDARY BONDING CABLE #ACHB-#4):	
FLASHING CONNECTOR	ANHB-44D
METAL ROOF DRAIN / GUTTER 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	CGHB-106GR, CGHB-57D



FOR LIGHTNING PROTECTION PLAN
REFER TO DRAWING E-121.

AIR TERMINALS SHALL BE LOCATED
WITHIN 24" OF OUTSIDE CORNERS

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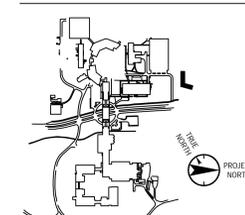
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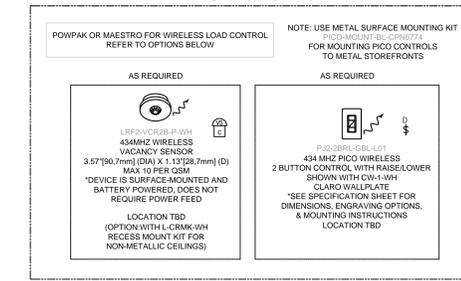
Vendor Name:
Vendor Project No.:
Discipline: Drawn By:

ELECTRICAL
DETAIL SHEET 4

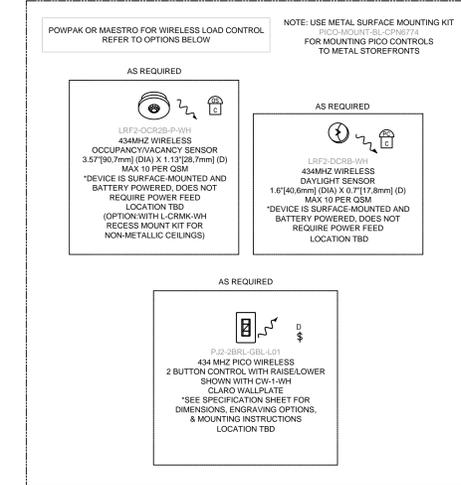
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E-503

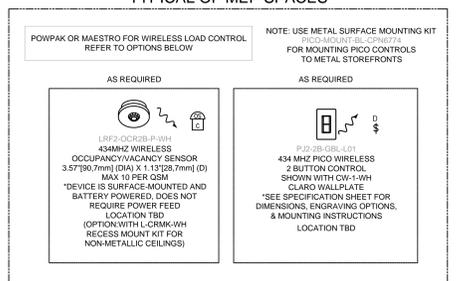
TYPICAL OF OFFICE



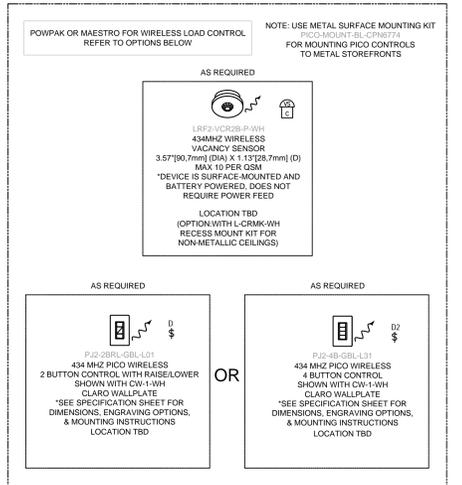
TYPICAL CLASSROOM



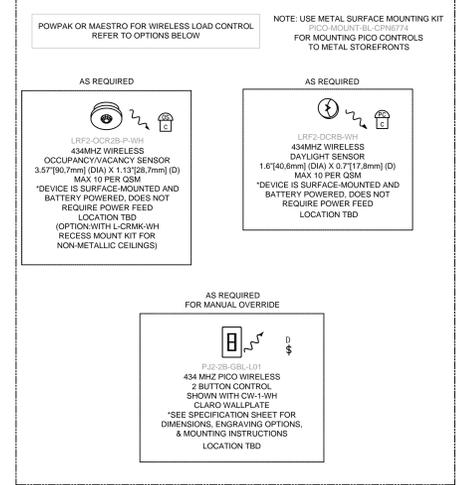
TYPICAL OF MEP SPACES



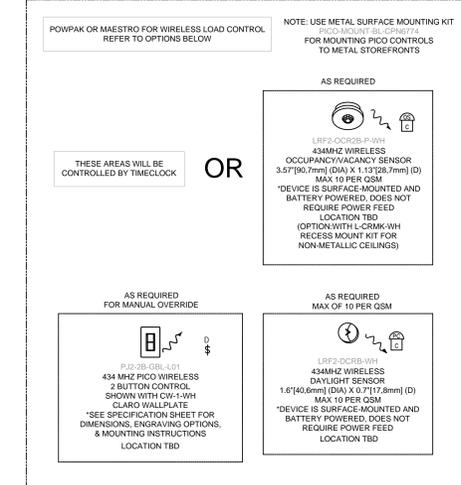
TYPICAL OF CONFERENCE ROOM



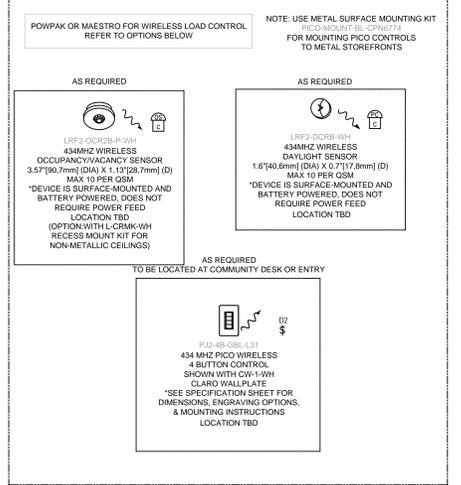
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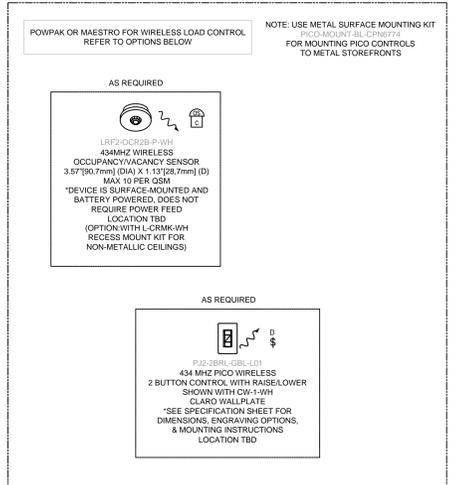
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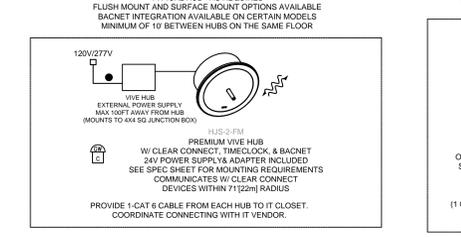
TYPICAL OF LOUNGE



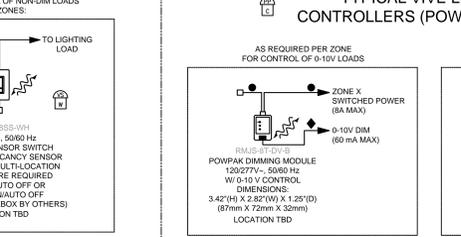
TYPICAL OF PRINTER



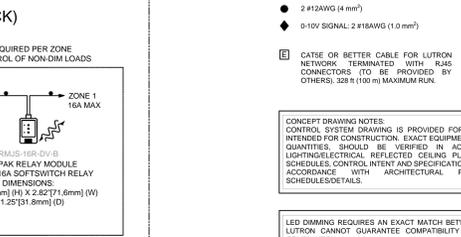
TYPICAL HUB - AS REQUIRED



TYPICAL VIVE LOAD CONTROLLERS (POWER PACK)



WIRING LEGEND:



LIGHTING CONTROL NOTES:

- PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR A FULLY FUNCTIONING LIGHTING CONTROLS AS INDICATED.
- ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO PERFORM EMERGENCY LIGHTING TEST AFTER INSTALLATION WITNESSED BY OWNER REPRESENTATIVE.
- ELECTRICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF THE LIGHTING CONTROL VENDOR TO COMMISSION THE CONTROL SYSTEM IN THE PRESENCE OF THE OWNER REPRESENTATIVE. CONTRACTOR TO PROVIDE DETAIL REPORT UPON COMPLETION OF TESTING OF ALL DEVICES.
- ALL OFFICES, CONFERENCE ROOMS, & LOUNGES SHALL BE CONTROLLED BY VACANCY SENSORS.
- OCCUPANCY SENSORS:
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE APPROPRIATE OCCUPANCY & VACANCY SENSOR DEVICE FOR THE GIVEN VOLTAGE AND MAXIMUM/MINIMUM LOAD CONDITION.
 - EXACT LOCATION OF SENSOR SHALL BE COORDINATED BY THE CONTRACTOR FOR OPTIMUM COVERAGE. CONTRACTOR SHALL INSTALL FIELD-OF-VIEW TEMPLATES, AS REQUIRED, TO MASK THE VIEWING LENS TO PREVENT FALSE TRIGGERING FOR AUTO-ON OPERATION.
 - FINAL LOCATION OF ALL WALL OR CEILING MOUNTED SENSORS SHALL BE COORDINATED WITH MANUFACTURER INSTALLATION DRAWING AND APPROVED SHOP DRAWINGS.
- ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION WITH THE APPROVED LIGHTING FIXTURE SUBMITTAL AND LIGHTING CONTROLS APPROVED SHOP DRAWINGS PRIOR TO INSTALLING ANY LIGHTING CONTROLS.
- WHERE ZONES ARE NOTED, WIRE THESE FIXTURES TO THE DESIGNATED POWPAK MODULE AND CIRCUITING.
- ALL SWITCHES, DIMMERS AND SCENE CONTROL STATIONS MUST BE PROGRAMMED PRIOR TO TURNING SITE OVER TO REGENERON. COORDINATE SCENE SETTINGS WITH OWNER REPRESENTATIVE.
- FOR LIGHTING CONTROL ZONES, REFER TO DRAWING E-602.
- FOR HALLWAY/CORRIDOR, PROVIDE DEDICATED OVERRIDE SWITCH. OVERRIDE SWITCH OVERRIDE SWITCH LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.

TYPICAL SENSORS & REMOTE CONTROLS CAN BE A MAX OF 30' TO LOAD DEVICES - MAX OF 71' FROM VIVE HUB AND LOCATED ON THE SAME FLOOR

TYPICAL LOAD DEVICES CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

TYPICAL WALLBOX LOAD CONTROLS CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS 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 shown are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

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**Building #17
Campus Expansion Child
Day-care Center**

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

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Landscape Architect

Langan

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(212) 479-5444 Fax

Key Plan

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 SCHEDULES
SHEET 1

Scale: _____ Floor: _____

E-600

Distribution: 899-HP-1-01

Location: ELECTRICAL 17-1-041
Supply From: 899-ATS-1-01
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 65KAIC
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
899-HP-1-0181	899-EH-1-02 3#12 & 1#12G - 3/4"	3	30 A	20 A	5.00 KVA	
899-HP-1-0182	899-HP-XFMR-04 (899-LP-1-04)	3	200 A	125 A	76.08 KVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-0183	899-HP-XFMR-03 (899-LP-1-03)	3	200 A	125 A	66.56 KVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-0184	899-HP-1-02	3	100 A	60 A	14.89 KVA	LIGHTING PANEL
899-HP-1-0185	899-HP-XFMR-02 (899-LP-1-01)	3	200 A	125 A	60.84 KVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-0186	899-DWA-1-02 3#8 & 1#10G - 1"	3	60 A	60 A	30.00 KVA	
899-HP-1-0187	899-DWA-1-01 3#10 & 1#10G - 3/4"	3	30 A	20 A	12.00 KVA	
899-HP-1-0188	899-DCA-S-R-01 3#10 & 1#10G - 2"	3	200 A	125 A	98.89 KVA	
899-HP-1-0189	899-DCA-S-R-02 3#10 & 1#10G - 2"	3	200 A	125 A	98.89 KVA	
899-HP-1-0190	899-EH-1-01 3#10 & 1#10G - 3/4"	3	30 A	20 A	5.00 KVA	
899-HP-1-0191	899-CU-R-01 3#10 & 1#10G - 3/4"	3	30 A	25 A	17.53 KVA	
899-HP-1-0192	899-CU-R-02 3#10 & 1#10G - 3/4"	3	30 A	25 A	17.53 KVA	
899-HP-1-0193	899-CU-R-03 3#10 & 1#10G - 3/4"	3	30 A	25 A	17.53 KVA	
899-HP-1-0194	899-CU-R-04 3#10 & 1#10G - 3/4"	3	30 A	25 A	17.53 KVA	
899-HP-1-0195	899-CU-R-05 3#10 & 1#10G - 3/4"	3	30 A	25 A	17.53 KVA	
899-HP-1-0196	Spare	3	100 A	0.00 KVA		(100AMP FRAME)
899-HP-1-0197	Spare	3	250 A	0.00 KVA		(400AMP FRAME)
899-HP-1-0198	Spare (FOR FUTURE SOLAR PANEL)	3	--	--	--	
899-HP-1-0199						
					Total Conn. Load: 555.92 KVA	
					Total Amps: 669 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	441.57 KVA	75.00%	181.18 KVA	
Heating	285.23 KVA	100.00%	285.23 KVA	
Kitchen Equipment - Non-Dwelling Unit	7.50 KVA	65.00%	4.88 KVA	
Lighting	14.87 KVA	100.00%	14.87 KVA	
Other	58.95 KVA	85.00%	50.10 KVA	
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	
				Total Conn. Load: 555.92 KVA
				Total Amps: 669 A

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
Supply From: 899-HP-XFMR-03
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 22KAIC
Mains Type: M.C.B
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-0201	GUTTER ICING CP (GFCI BRK.)	20 A	1	0.20 KVA	0.19 KVA			2	15 A	899-LP-1-0202
899-LP-1-0203	EXTERIOR LIGHTING	20 A	1		0.50 KVA	0.18 KVA				899-LP-1-0204
899-LP-1-0205	LOBBY/CONF. RM. LIGHTING	20 A	1		0.50 KVA	0.25 KVA		2	20 A	899-LP-1-0206
899-LP-1-0207	AC UNITS 2#10 & 1#10G - 3/4"	20 A	2	0.49 KVA	0.50 KVA					899-LP-1-0208
899-LP-1-0209	GUTTER DE-ICING (GFCI BRK.) 2#10 & 1#10G - 3/4"	30 A	2		0.50 KVA	0.50 KVA				899-LP-1-0209
899-LP-1-0211	GUTTER DE-ICING (GFCI BRK.) 3#10 & 1#10G - 3/4"	30 A	2	0.50 KVA	1.32 KVA					899-LP-1-0211
899-LP-1-0213	AC UNITS 2#10 & 1#10G - 3/4"	20 A	2	0.64 KVA	0.86 KVA			2	20 A	899-LP-1-0218
899-LP-1-0219	899-LP-1-02A	100 A	3	7.58 KVA	0.86 KVA					899-LP-1-0220
899-LP-1-0221	HEAT TRACING - ITEM A8 (GFCI BRK.)	20 A	1	0.49 KVA	2.11 KVA			3	45 A	899-LP-1-0226
899-LP-1-0223	HEAT MAT STAFF LOUNGE 2#12 & 1#12G - 3/4" (GFCI BRK.)	20 A	2	1.18 KVA	0.40 KVA			1	20 A	899-LP-1-0232
899-LP-1-0233	Spare	20 A	1		0.00 KVA	1.32 KVA				899-LP-1-0236
899-LP-1-0235	HEAT TRACING - ITEM A8 (GFCI BRK.)	20 A	1	1.32 KVA	1.94 KVA			2	30 A	899-LP-1-0238
899-LP-1-0237	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4" (GFCI BRK.)	20 A	2	1.32 KVA	1.94 KVA			2	30 A	899-LP-1-0242
899-LP-1-0243	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	899-LP-1-0244
899-LP-1-0245	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0246
899-LP-1-0247	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0248
899-LP-1-0249	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0250
899-LP-1-0251	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0252
899-LP-1-0253	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0254
899-LP-1-0255	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0256
899-LP-1-0257	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0258
899-LP-1-0259	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0260
899-LP-1-0261	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0262
899-LP-1-0263	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0264
899-LP-1-0265	Spare	20 A	1	0.00 KVA	0.00 KVA					899-LP-1-0266
					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	
Heating	31.65 KVA	100.00%	31.65 KVA	
Kitchen Equipment - Non-Dwelling Unit	2.40 KVA	90.00%	2.16 KVA	
Lighting	1.00 KVA	100.00%	1.00 KVA	
Other	7.78 KVA	85.00%	6.78 KVA	
Power	0.36 KVA	100.00%	0.36 KVA	
Receptacle	18.82 KVA	76.57%	14.41 KVA	
				Total Conn. Load: 66.56 KVA
				Total Est. Demand: 59.63 KVA
				Total Conn. Current: 184 A
				Total Est. Demand Current: 166 A

Branch Panel: 899-HP-1-02

Location: ELEC CLOSET 17-1-013
Supply From: 899-HP-1-01
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 65KAIC
Mains Type: M.C.B
Mains Rating: 100 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-HP-1-0201	SITE LIGHTING 2#8 & 1#8G - 1"	20 A	1	1.29 KVA	0.81 KVA			1	20 A	899-HP-1-0202
899-HP-1-0203	Spare	20 A	1		0.00 KVA	0.55 KVA				899-HP-1-0204
899-HP-1-0205	PRESCHOOL CLASSROOM/RESTRM. LTG.	20 A	1		1.28 KVA	1.28 KVA		1	20 A	899-HP-1-0206
899-HP-1-0207	INFANT CLASSROOM/RESTRM. LTG.	20 A	1	1.51 KVA	0.41 KVA			1	20 A	899-HP-1-0208
899-HP-1-0209	TODDLER CLASSROOM/RESTRM. LTG.	20 A	1	1.61 KVA	1.86 KVA			1	20 A	899-HP-1-0209
899-HP-1-0211	CORRIDOR LIGHTING	20 A	1		0.50 KVA	0.00 KVA				899-HP-1-0212
899-HP-1-0213	ROOF MEP AREA LIGHTING	20 A	1	0.58 KVA	0.50 KVA			1	20 A	899-HP-1-0214
899-HP-1-0215	MEP/STORAGE LTG.	20 A	1		0.98 KVA	0.22 KVA		1	20 A	899-HP-1-0216
899-HP-1-0217	TODDLER CORRIDOR LIGHTING	20 A	1		0.98 KVA	0.22 KVA		1	20 A	899-HP-1-0218
899-HP-1-0219	BLDG. EXTERIOR LTG. 2#10 & 1#10G - 3/4"	20 A	1	0.46 KVA	0.00 KVA			1	20 A	899-HP-1-0220
899-HP-1-0221	Spare	20 A	1		0.00 KVA	0.00 KVA				899-HP-1-0222
899-HP-1-0223	Spare	20 A	1		0.50 KVA	0.00 KVA		1	20 A	899-HP-1-0224
899-HP-1-0225	Spare	20 A	1		0.50 KVA	0.00 KVA		1	20 A	899-HP-1-0226
					Total Load: 5.06 KVA	5.20 KVA	4.64 KVA			
					Total Amps: 19 A	19 A	17 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	14.67 KVA	100.00%	14.67 KVA	
Lighting	1.00 KVA	85.00%	0.85 KVA	
Other	0.22 KVA	100.00%	0.22 KVA	
Spare				
				Total Conn. Load: 14.89 KVA
				Total Est. Demand: 14.74 KVA
				Total Conn. Current: 19 A
				Total Est. Demand Current: 18 A

Branch Panel: 899-LP-1-02A

Location: ELEC CLOSET 17-1-013
Supply From: 899-LP-1-02
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 22KAIC
Mains Type: M.C.B
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-02A01	SECURITY/ACCESS DEVICE (ITEM A8)	20 A	1	0.20 KVA	0.36 KVA			1	20 A	899-LP-1-02A02
899-LP-1-02A03	SECURITY/ACCESS DEVICE (ITEM A8)	20 A	1	0.20 KVA	0.54 KVA			1	20 A	899-LP-1-02A04
899-LP-1-02A05	EXTERIOR RECEPTACLES - CLASSROOMS	20 A	1		0.36 KVA	0.60 KVA		1	20 A	899-LP-1-02A06
899-LP-1-02A07	CLASSROOM RESTROOM RECEPTACLES	20 A	1	0.72 KVA	1.26 KVA			1	20 A	899-LP-1-02A08
899-LP-1-02A09	STAFF LOUNGE PANTRY APPLIANCE	20 A	1	0.60 KVA	1.20 KVA			1	20 A	899-LP-1-02A09
899-LP-1-02A11	STAFF LOUNGE WIREMOLD	20 A	1	1.44 KVA	0.18 KVA			1	20 A	899-LP-1-02A12
899-LP-1-02A13	K-REP 1/2 CLASSROOM RECEPTACLES	20 A	1	1.44 KVA	0.18					

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Project No. B17-DAYCARE

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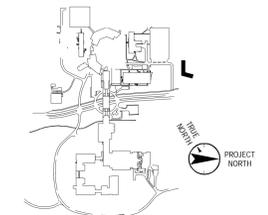
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Landscape Architect

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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: 12/02/21

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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Electrical Schedules
Drawn By: Author
ELECTRICAL SCHEDULES
SHEET 2

Scale: Floor:

E-601

Branch Panel: 899-LP-1-04											
Location: ELECTRICAL 17-1-041 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1				Volts: 120/208 Vye & GRD Phases: 3 Wires: 4				A.I.C. Rating: 22kAIC Main Type: M.C.B. Mains Rating: 250 A MCB Rating: 225 A			
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-0481	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.18 kVA	0.54 kVA			1	20 A	LOBBY RECEPTACLES	
899-LP-1-0483	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1		0.18 kVA	0.72 kVA		1	20 A	EXTERIOR RECEPTACLES	
899-LP-1-0485	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1			0.40 kVA	0.60 kVA	1	20 A	DRINKING FOUNTAIN RECEPTACLE	
899-LP-1-0487	DRINKING FOUNTAIN RECEPTACLE	20 A	1	0.60 kVA	0.72 kVA			1	20 A	CLASSROOM RESTROOM RECEPTACLES	
899-LP-1-0489	INFANT 1/2 CLASSROOM RECEPTACLES	20 A	1		1.44 kVA	0.20 kVA		1	20 A	SECURITY/ACCESS DEVICE (ITEM A0)	
899-LP-1-04811	INFANT 2 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	0.20 kVA	1	20 A	SECURITY/ACCESS DEVICE (ITEM A0)	
899-LP-1-04813	WELLNESS APPLIANCE	20 A	1	1.20 kVA	1.26 kVA			1	20 A	INFANT 1 CLASSROOM RECEPTACLES	
899-LP-1-04815	OFFICE RECEPTACLES	20 A	1		0.36 kVA	0.54 kVA		1	20 A	TOILET RECEPTACLES	
899-LP-1-04817	WARMING KITCHEN RECEPTACLES	20 A	1			0.36 kVA	2.00 kVA		2	50 A	DRYER RECEPTACLE 4#6 & 1#10G - 1°C
899-LP-1-04819	DRYER RECEPTACLE 4#6 & 1#10G - 1°C	50 A	2	2.00 kVA	2.00 kVA						
899-LP-1-04821	WARMING KITCHEN RECEPTACLES	20 A	1			0.54 kVA	12.45 kVA	3	125 A	899-LP-1-04A	
899-LP-1-04823	WARMING KITCHEN RECEPTACLES	20 A	1			0.54 kVA	12.45 kVA	3	125 A	899-LP-1-04A	
899-LP-1-04825	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.20 kVA	8.30 kVA						
899-LP-1-04827	WASHER RECEPTACLE	20 A	1		0.60 kVA	0.60 kVA		1	20 A	WARMING PANTRY APPLIANCE	
899-LP-1-04829	WASHER RECEPTACLE	20 A	1			0.60 kVA	0.60 kVA	1	20 A	WASHER RECEPTACLE	
899-LP-1-04831	OFFICE RECEPTACLES	20 A	1	0.36 kVA	0.54 kVA			1	20 A	MEP/STORAGE RECEPTACLES	
899-LP-1-04833	MEP/STORAGE RECEPTACLES	20 A	1		0.72 kVA	1.08 kVA		1	20 A	CORRIDOR RECEPTACLES	
899-LP-1-04835	WELLNESS RECEPTACLES	20 A	1			0.72 kVA	1.08 kVA	1	20 A	MOVEMENT MATTERS RECEPTACLES	
899-LP-1-04837	WASHER RECEPTACLE	20 A	1	0.60 kVA	0.60 kVA			1	20 A	WARMING PANTRY APPLIANCE	
899-LP-1-04839	TODDLER 3 CLASSROOM RECEPTACLES	20 A	1		1.26 kVA	1.26 kVA		1	20 A	INFANT 4 CLASSROOM RECEPTACLES	
899-LP-1-04841	TODDLER 4 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	1.26 kVA	1	20 A	TODDLER 1 CLASSROOM RECEPTACLES	
899-LP-1-04843	LOBBY RECEPTACLE	20 A	1	0.72 kVA	1.08 kVA			1	20 A	CLASSROOM RESTROOM RECEPTACLES	
899-LP-1-04845	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-1-04847	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-1-04849	TODDLER 2 CLASSROOM RECEPTACLES	20 A	1	1.26 kVA	1.26 kVA			1	20 A	INFANT 3 CLASSROOM RECEPTACLES	
899-LP-1-04851	Spare	20 A	1		0.00 kVA	0.17 kVA					
899-LP-1-04853	Spare	20 A	1			0.00 kVA	0.17 kVA	3	40 A	KITCHEN APPLIANCE 'A5' 4#6 & 1#10G - 3/4°C	
899-LP-1-04855	INFANT 3/4 CLASSROOM RECEPTACLES	20 A	1	1.44 kVA	0.17 kVA						
899-LP-1-04857	Spare	20 A	1		0.17 kVA	0.17 kVA					
899-LP-1-04859	KITCHEN APPLIANCE 'A5' 4#6 & 1#10G - 3/4°C	40 A	3			0.17 kVA	0.17 kVA	3	40 A	KITCHEN APPLIANCE 'A5' 4#6 & 1#10G - 3/4°C	
899-LP-1-04861	Spare	20 A	1		0.17 kVA	0.17 kVA					
899-LP-1-04863	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-04865	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04867	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04869	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-04871	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04873	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04875	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-04877	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04879	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04881	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-04883	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A	Spare	
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							
Other	5.10 kVA	65.00%	3.32 kVA								
Kitchen Equipment - Non-Dwelling Unit	42.56 kVA	85.00%	36.19 kVA	Total Conn. Load: 76.08 kVA							
Receptacle	28.32 kVA	67.66%	19.16 kVA	Total Est. Demand: 58.75 kVA							
Spare	0.10 kVA	100.00%	0.10 kVA	Total Conn. Current: 211 A							
				Total Est. Demand Current: 163 A							

PANEL SCHEDULE NOTES:

- ALL WIRING SHALL BE 2#12 & 1#12G - 3/4°C UNLESS OTHERWISE NOTED.
- ALL RUNS OF 75 FEET SHALL BE #10 AWG.
- ENERGY METERS NOTED ON E-700 MAYBE INTEGRATED INTO THE PANEL BOARD IN LIEU OF PROVIDING A SEPARATE WALL MOUNTED UNIT.

Branch Panel: 899-LP-1-05											
Location: TELE/ATA 17-1-027 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1				Volts: 120/208 Vye & GRD Phases: 3 Wires: 4				A.I.C. Rating: 22kAIC Main Type: MLO Mains Rating: 100 A			
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-0541	BRK PANEL (LOCKABLE TYP. BRK. SEE NOTE#1)	20 A	1	0.18 kVA	0.18 kVA			1	20 A	SECURITY PANEL (LOCKABLE TYP. BRK.)	
899-LP-1-0543	SECURITY PANEL (LOCKABLE TYP. BRK. SEE NOTE#1)	20 A	1		0.18 kVA	1.16 kVA		1	20 A	TELE/ATA RECEPTACLES	
899-LP-1-0545	TELE/ATA RECEPTACLES	20 A	1			1.00 kVA	0.75 kVA	2	30 A	L6-30R IT RECEPTACLE 2#10 & 1#10G - 3/4°C (UPS UNIT)	
899-LP-1-0547	IT RECEPTACLE L5-20R	20 A	1	1.00 kVA	0.75 kVA			1	20 A	Spare	
899-LP-1-0549	L6-30R IT RECEPTACLE 2#10 & 1#10G - 3/4°C (UPS UNIT)	30 A	2		0.75 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-05411	Spare	20 A	1			0.75 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-05413	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-05415	Spare	20 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	
899-LP-1-05417	Spare	20 A	1			0.00 kVA	0.00 kVA	--	--	Space	
Total Load:				2.11 kVA	2.09 kVA	2.50 kVA					
Total Amps:				18 A	17 A	21 A					
Legend:											
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals							
Other	6.34 kVA	85.00%	5.39 kVA								
Receptacle	0.36 kVA	100.00%	0.36 kVA	Total Conn. Load: 6.70 kVA							
				Total Est. Demand: 5.75 kVA							
				Total Conn. Current: 19 A							
				Total Est. Demand Current: 16 A							

PANEL 899-LP-1-05 NOTE:

- PROVIDE LOCKABLE TYPE CIRCUIT BREAKER.

Branch Panel: 899-LP-1-04A											
Location: ELECTRICAL 17-1-041 Supply From: 899-LP-1-04 Mounting: Surface Enclosure: Type 1				Volts: 120/208 Vye & GRD Phases: 3 Wires: 4				A.I.C. Rating: 22kAIC Main Type: MLO Mains Rating: 125 A			
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-04A1	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	4.15 kVA			2	50 A	EV CAR CHARGERS (SEE NOTE 1) **	
899-LP-1-04A3	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	4.15 kVA			1	20 A	Spare	
899-LP-1-04A5	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA	4.15 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04A7	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA	4.15 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04A9	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2		4.15 kVA	0.00 kVA	4.15 kVA	1	20 A	Spare	
899-LP-1-04A11	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-04A13	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A15	Spare	20 A	1		0.00 kVA	0.00 kVA		--	--	Space	
899-LP-1-04A17	Spare	20 A	1			0.00 kVA	0.00 kVA	--	--	Space	
Total Load:				12.45 kVA	12.45 kVA	8.30 kVA					
Total Amps:				109 A	109 A	69 A					
Legend:											
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals							
Other	33.20 kVA	85.00%	28.22 kVA								
				Total Conn. Load: 33.20 kVA							
				Total Est. Demand: 28.22 kVA							
				Total Conn. Current: 92 A							
				Total Est. Demand Current: 78 A							

PANEL 899-LP-1-04A NOTES:

- RUN TWO EV CAR CHARGERS POWER FEED IN A SINGLE CONDUIT WITH 4#6 & 1#6G - 1 1/4".
- PANEL 899-LP-1-04A SHALL BE WIRED TO 125A ASCO RELAY PANEL 899-RC-01* MOUNTED ABOVE PANEL 899-LP-1-04A. PROVIDE 6#14 - 3/4°C FROM RELAY PANEL TO ATS FOR LOCK-OUT OF EV CHARGERS UPON ACTIVATION OF THE GENERATOR.

777 Old Saw Mill River Road
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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

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Structural Engineer

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MEP / IT / Security Engineer

Cosentini Associates
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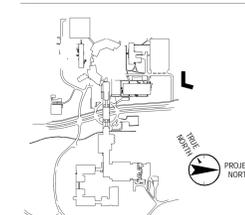
Civil Engineer

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(914) 273-2102 Fax

Landscape Architect

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(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	05.20.2022	ISSUED FOR PERMIT

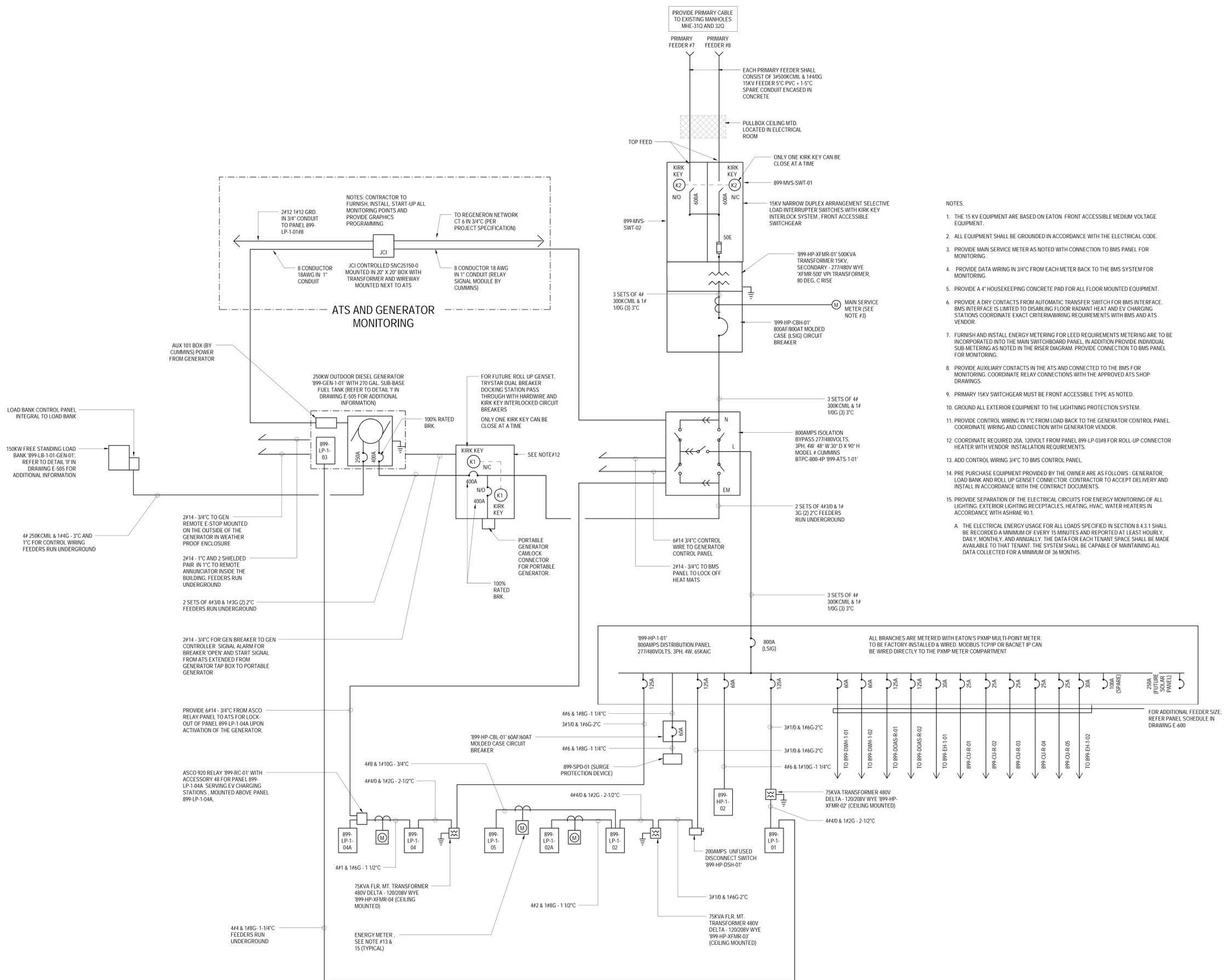
Plot Date: 11/16/21
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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: AI
ELECTRICAL RISER DIAGRAM

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

E-700



P.L.E. B.M. 300.000.000.000 - Regeneron Day Care Facility - Tarrytown 210105A_TTCX_Daycare_E-700.rvt PLOTTED ON 11/16/21

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

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