SYMBOL	DESCRIPTION	NOTES
	MOTORS, PANELS, AND INDIVIDU EQUIPMENT - SECONDARY L	
$\langle O \rangle$	MOTORS IN MECHANICAL SYSTEM EQUIPMENT	COMPLETE INFORMATION FOR MOTORS IS INDICATED BY APPLICATION OF REFERENCE TO MOTOR LIST
	INDIVIDUALLY MOUNTED SECONDARY OVERCURRENT AND SWITCHING DEVICES (CIRCUIT BREAKERS, FUSIBLE SWITCHES, UNFUSED SWITCHES, ETC.) APPLIED AS SPECIFIED.	COMPLETE INFORMATION FOR DEVICES IS INDICATED BY APPLICATION OF TAG SYMBOLS OR AS SCHEDULED ON DRAWINGS
	MOTOR CONTROLLERFOR MOTORS IN MECHANICAL SYSTEM EQUIPMENT.	SUBSCRIPT NUMBERS INDICATE FUSING WHERE REQUIRED (3 POLE FUSING UNLESS NOTED).
	POWER OR DISTRIBUTION PANEL. LIGHTING OR APPLIANCE PANEL.	
<u> </u>	GROUND BUS	
ST	THERMAL OVERLOAD SWITCH	
<u>}</u> {	TRANSFORMER	

SYMBOL	DESCRIPTION	NOTES
	JUNCTION AND PULL BOXES - SECONDARY LIGHT	AND POWER WIRING
<u>ل</u> ل	PULL BOX OR JUNCTION BOXOUTLET BOX TYPE WALL MOUNTED WITH FINAL CONNECTION TO EQUIPMENT	
J	PULL BOX OR JUNCTION BOX OUTLET BOX TYPE MOUNTED AT CEILING WITH FINAL CONNECTION TO EQUIPMENT	
	PULL BOX OR JUNCTIONBOX LARGE CUSTOM FABRICATED TYPE	
IT—IT—IT	CONDUITS ROUTING UNDERGROUND FOR IT SERVICE	
E E E	CONDUITS ROUTING UNDERGROUND FOR ELECTRICAL	
c — c — c	CONDUITS ROUTING UNDERGROUND FOR COMMUNICATION WIRING FOR EV CHARGERS (SEE DWG. E-100)	
	BRANCH CIRCUITS FOR SITE LIGHTING RUN UNDERGROUND ONLY (SEE DWG. E-052)	

SYMBOL	DESCRIPTION	NOTES
	ONE LINE RISER DIAGRAM	
	PULLBOX	REFER TO DRAWING E-700 FOR ONE LINE RISER DIAGRAM
(K1) (K2)	KIRK KEY	
N/C	NORMALLY CLOSED	
N/O	NORMALLY OPEN	
_ \	LOAD INTERRUPTER SWITCHES WITH KIRK KEY INTERLOCK SYSTEM	
	FUSE	
$\sim$	TRANSFORMER	
M	MAIN SERVICE METER	
	CIRCUIT BREAKER	
Ţ	GROUND	
	UNFUSED DISCONNECT SWITCH	
	GENERATOR	
3	CURRENT TRANSFORMER	
	ENERGY METER	

SYMBOL	IBOL DESCRIPTION NOTES			LIGHTING CONTROL DEVICE		
	WIRING DEVICES		SYMBOL	DESCRIPTION	١	
Φ	20A, 125 V DUPLEX RECEPTACLE	PROVIDE GFCI OUTLETS IN BATHROOMS, SERVING DRINKING FOUNTAINS, JANITORS CLOSETS, MOP ROOM, PANTRIES AND WITHIN 6'-0" OF ANY SINK.	D \$	PJ2-2B-GBL-L01 434 MHZ PICO WIRELESS 2 BUTTON CONTROL	XX XX a,b,c,d	
		'GFI' INDICATES GROUND FAULT INTERRUPT	D2 \$	PJ2-4B-GBL-L31 434 MHZ PICO WIRELESS 4 BUTTON CONTROL	ALL SENSORS SH	
<b>₽</b> +42"	MOUNTING HEIGHT WHEN NOT TYPICAL STANDARD DEVICE MOUNTED 18" AFF UNLESS OTHERWISE NOTED		GW C	PREMIUM VIVE HUB HJS-2-FM	AUTOMATICALLY LIGHTS WITHIN 2 AND MANUALLY THE LIGHTS.	
$\oplus$	20A, 125 V DOUBLE DUPLEX RECEPTACLE			LRF2-OCR2B-P-WH OCCUPANCY/ VACANCY SENSOR		
B	"NEMA L6-30R" 30A, 250V, 1PH SPECIAL PURPOSE RECEPTACLE 30A 250V		VS C	LRF2-VCR2B-P-WH VACANCY SENSOR		
Â	"NEMA L5-20R" 20A, 1PH SPECIAL PURPOSE RECEPTACLE. 20A 125V			LRF2-DCRB-WH 434MHZ WIRELESS DAYLIGHT SENSOR	REFER TO DRAW	
	FLUSH MOUNTED SHALLOW FLOOR BOX AS		PP C	POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL	WIRING DIAGRAN AND DETAILS	
	MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 1-GANG OMBX, # 880M1, COORDINATE WITH AND ARCHITECT AND AV CONSULTANT.	FOR DATA/COMUNICATION DEVICES MOUNTED WITHIN FLOOR BOX, REFER TO IT DRAWINGS	VS W	MRF2S-6ANS-WH MAESTRO WIRELESS WALL MOUNTED VACANCY SENSOR		
	FLUSH MOUNTED SHALLOW FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 2-GANG OMBX, # 880M2 FOR 2 GANG BOX FLUSH MOUNTED SHALLOW FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 3-GANG OMBX, # 880M3 FOR 3			SWITCH		

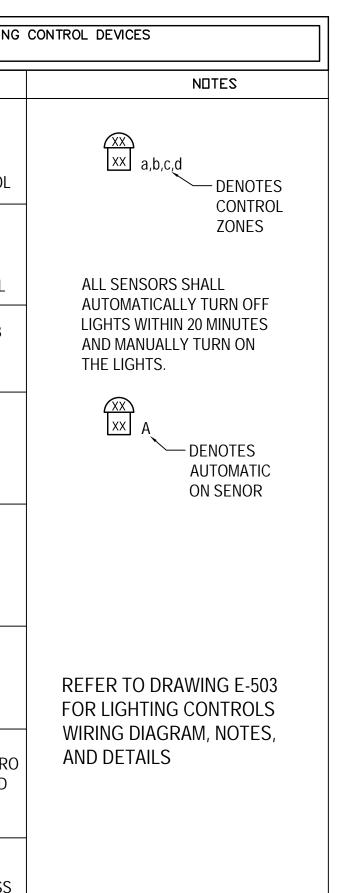
SYMBOL	DESCRIPTION	NOTES
	LIGHTING FIXTURES	
	CEILING MOUNTED LIGHTING FIXTURES	UPPER CASE LETTERS INSCRIBED IN SYMBOL INDICATE FIXTURE TYPE REFERENCES TO FIXTURE LIST SUBSCRIPT LOWER CASE LETTERS INDICATE SWITCH CONTROL ASSOCIATIONS (OR CONTROL ZONE
어 무	WALL MOUNTED LIGHTING FIXTURES	DESIGNATION WHERE APPLICABLE, SEE BELOW)
٥	WALL MOUNTED SCONCE LIGHTING FIXTURES	INDICATION THUS: LPH-17 DENOTES CIRCUIT NUMBER, * WITH * SIGNIFYING
SL1	SITE LIGHTING (REFER TO DRAWING E-051 FOR SITE PLAN AND E-601 FOR LIGHTING SCHEDULE) O LPH-17 * LPH-17 *	
	EXIT SIGNS	
$\bigotimes$	WALL MOUNTED LED EXIT SIGN WITH EMERGENCY 90 MINS BATTERY PACK EXTRONIX MODEL# 903 OR APPROVED EQUAL	APPLICATION OF SHADED QUADRANTS AND ARROWS THUS:
$\otimes$	PENDANT CEILING MOUNTED LED EXIT SIGN WITH "EM" 90 MINS BATTERY PACK EXTRONIX MODEL# 903 OR APPROVED EQUAL	ARROWS AT SYMBOLS FOR SIGNS FOR WHICH SELECTION OF SUCH FEATURES IS REQUIRED. FINAL LOCATION AND MOUNTING TYPE SUBJECT TO ARCHITECT APPROVAL
	1	
SYMBOL	DESCRIPTION	NOTES
$\frown$	SECONDARY INDIVIDUALLY	INFORMATION IS LISTED IN

SECONDARY INDIVIDUALLY MOUNTED OVERCURRENT AND/OR SWITCHING DEVICE TAG SYMBOL INDIVIDUALLY MOUNTED OVERCURRENT AND SWITCHING DEVICES ARE FOR SURFACE MOUNTING UNLESS THE TAG SYMBOL CARRIES AN EXTERNAL SUBSCRIPT "f" INDICATING FLUSH MOUNTING.	INFORMATION IS LISTED IN THE TAG SYMBOL THUS: "600" OR "250" INDICATES VOLT- AGE RANGE AT WHICH DEVICE IS TO OPERATE. DEVICE SIZE IN AMPERES.
INDEXING SYMBOL	HEXAGONAL SYMBOLS CONTAINING UPPER CASE LETTERS WITH OR WITHOUT ARABIC NUMERALS INDICATE REFERENCE TO A LEGEND OR INDEX OF SPECIAL EQUIPMENT AS IDENTIFIED ON THE EQUIPMENT LEGEND ON DRAWIN E-603. HEXAGONAL SYMBOLS CONTAINING ARABIC NUMERALS ONLY INDICATE REFERENCE TO AN EXPLANATION OF ELECTRIC WORK REQUIREMENTS.

SYMBOL	DESCRIPTION	NOTES
	LIGHTNING PROTECTION	
Ť	LIGHTNING PROTECTION GROUND ROD (TYP.), SEE DETAIL 5 IN DRAWING E-501	FOR LIGHTNING PROTECTION FLOOR PLAN REFER TO DRAWING E-121. FOR LIGHTNING PROTECTION DETAILS
	THRU-ROOF ROD AND COPPER CONDUCTOR IN 1" PVC CONDUIT CONCEALED WITHIN BUILDING CONSTRUCTION TO MAIN ROOF (TYP.) SEE DETAIL 4 IN DRAWING E-501	REFER TO DRAWING E-501
A	12" AIR TERMINAL SEE DETAIL 1 IN DRAWING E-501	
B	12" AIR TERMINAL AT SCREEN WALL (TYP.) SEE DETAIL 2 IN DRAWING E-501	
C	12" AIR TERMINAL ATOP GENERATOR (TYP.) SEE DETAIL 3 IN DRAWING E-501	
	LIGHTNING PROTECTION CABLE FASTENED TO SCREEN WALL EVERY 36" MAX. (TYP.)	
	COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	

GENERAL SHEET NOTES:

- 1. FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.



2. FOR LIGHTING FIXTURE SCHEDULES REFER TO DRAWING E-601.

3. FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602. 4. FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.

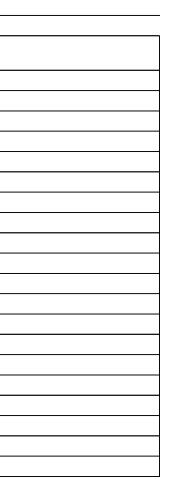
5. FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.

	1	<b>I</b>			
A	AMPS	GA	GAUGE	SP	SPARE
AC	ALTERNATING CURRENT	GALV	GALVANIZED	SPECS	SPECIFICATIONS
ADJ	ADJACENT	GD	GROUND	SPKLR	SPRINKLER
AFD	AUTOMATIC FIRE DETECTION	Н	HERMETIC	SPKR	SPEAKER
AFF	ABOVE FINISHED FLOOR	HC	HUNG CEILING	SQ	SQUARE
AFG	ABOVE FINISHED GRADE	HGT	HEIGHT	STD	STANDARD
AIR COND	AIR CONDITIONING	HOR	HORIZONTAL	SURF	SURFACE
AP	APPLIANCE PANEL	HP	HORSEPOWER	SW	SWITCH
ARCH	ARCHITECTURAL	HT	HIGH TENSION	SWBD	SWITCHBOARD
ASYM	ASYMMETRICAL	HTG	HEATING	SYM	SYMETRICAL
AUTO	AUTOMATIC	HVAC	HEATING VENTILATING	TEL	TELEPHONE
AVG	AVERAGE		AND AIRCONDITIONG	TELCO	TELEPHONE CO.
3L	BLANK		INCHES	TV	TELEVISION
BLDG	BUILDING	INCAN	INCANDESCENT	ТҮР	TYPICAL
<u> </u>	CONDUIT	INT	INTERCOM	UFD	UNDER FLOOR DUCT
CAB	САВ	JB	JUNCTION BOX	V	VOLTS
	CAD	KVA	KILOVOLT AMPERES	VENT	VENTILATING
	CIRCUIT	KW	KILOVOLTAMIPERES	VENT	VENTICAL
	CLOCK	KWH	KILOWATT HOURS	VERI	VAPORPROOF
	CEILING	LP		W	WATTS
CLOS	CLOSET	LS	LOUDSPEAKER	WE	WEST
CM	CIRCULAR MIL	LT	LOW TENSION	WGD	WITH GUARD
COL	COLUMN	LTG	LIGHTING	WP	WEATHERPROOF
CONC	CONCRETE	М	MAIN	WR	WOUND ROTOR
CONST	CONSTRUCTION	MA	MILLIAMPS	WT	WIRING TROUGH
CONT	CONTINUOUS	MACH	MACHINE	XFMR	TRANSFORMER
CONV	CONVENIENCE	МСС	MOTOR CONTROL CENTER	YD	YARD
CS	CABLE SUPPORT	MCM	THOUSE CIRCULAR MILS	# (UNRELAT ED TO WORDS	WIRE GAUGE NUMBE
CU	CUBIC	MECH	MECHANICAL	PH	PHASE
	DIRECT CURRENT	MIC	MICROPHONE	F@	FUSED AT
	DIAMETER	MISC	MISCELLANEOUS	C	CENTER LINE
	DOWN	MTD	MOUNTED		
	DISTRIBUTION PANEL		MOTOR		
		MTR			
DTL	DETAIL	N	NEUTRAL	C/B	CIRCUIT BREAKER
DWG	DRAWING	NEC		CONV/O	CONVENIENCE OUTLET
EA EC	EAST EMPTY CONDUIT	NEMA	NATIONAL ELEC MANUFACTURERS ASSOCIATION ON NIGHT LIGHTING CIRCUIT	C/T P/T	CURRENT TRANSFORMER POTENTIAL
_0					TRANSFORMER
EL		OL	OVERLOAD	O/C	OVERCURRENT
ELEC	ELECTRICAL	P	POLES	C.C	CENTER TO CENTER
ELEV	ELEVATOR	PB	PULLBOX	N/O	NORMALLY OPEN
EM	ON EMERGENCY CIRCUIT	PC	PULL CHAIN	N/C	NORMALLY CLOSED
	ENTRANCE	PC			
ENTR EP	EXPLOSION PROOF	PF	POWER FACTOR PAGING	1/C, 2/C 3/C	ONCE CONDUCTOR TWO CONDUCTORS, ETC.
EQ	EQUAL	PH	PHASE		
EQPMT	EQUIPMENT	PLB	PLUMBING		
	EXISTING		PLOMBING	+	
EXIST		PNL			
- ^	FLOOR	PP	POWER PANEL		
A	FIRE ALARM	PWR	POWER		
DR	FEEDER	RC	REMOTE CONTROL		
	FINISH	REC	RECEPTACLE	-	
FIN	·	REQ	REQUIRED		
FIN	FIXTURE				
FIN FIXT	FIXTURE FLUSH	RM	ROOM		
FIN FIXT FL			ROOM ROOT MEAN SQUARE		
FIN FIXT FL FLUOR	FLUSH	RM			
FIN FIXT FL FLUOR FSTP FT	FLUSH FLUORESCENT	RM RMS	ROOT MEAN SQUARE		

# ELECTRICAL DRAWING LIST

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL SYMBOLS AND DRAWING LIST
E-051	ELECTRICAL SITE PLAN
E-052	ELECTRICAL LIGHTING SITE PLAN
E-100	ELECTRICAL POWER PLAN - 1ST FLOOR
E-110	ELECTRICAL EQUIPMENT POWER PLAN - 1ST FLOOR
E-111	ELECTRICAL EQUIPMENT POWER PLAN - ROOF
E-121	ELECTRICAL LIGHTNING PROTECTION PLAN
E-150	ELECTRICAL LIGHTING PLAN - 1ST FLOOR
E-400	ELECTRICAL ENLARGED VIEWS - SHEET 1
E-500	ELECTRICAL DETAIL SHEET 1
E-501	ELECTRICAL DETAIL SHEET 2
E-502	ELECTRICAL DETAIL SHEET 3
E-503	ELECTRICAL DETAIL SHEET 4
E-504	ELECTRICAL DETAIL SHEET 5
E-600	ELECTRICAL SCHEDULES SHEET 1
E-601	ELECTRICAL SCHEDULES SHEET 2
E-602	ELECTRICAL SCHEDULES SHEET 3
E-603	ELECTRICAL SCHEDULES SHEET 4
E-700	ELECTRICAL RISER DIAGRAM

ELECTRICAL ABBREVIATIONS	



REGENERON REAL ESTATE & FACILITIES MANAGEMENT

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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

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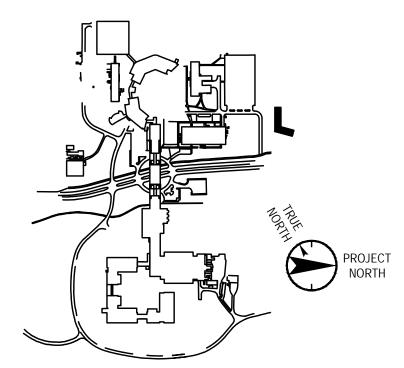
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Vendor Name: Vendor Project No.: Discipline: ELECTRICAL SYMBOLS AND Drawn By:

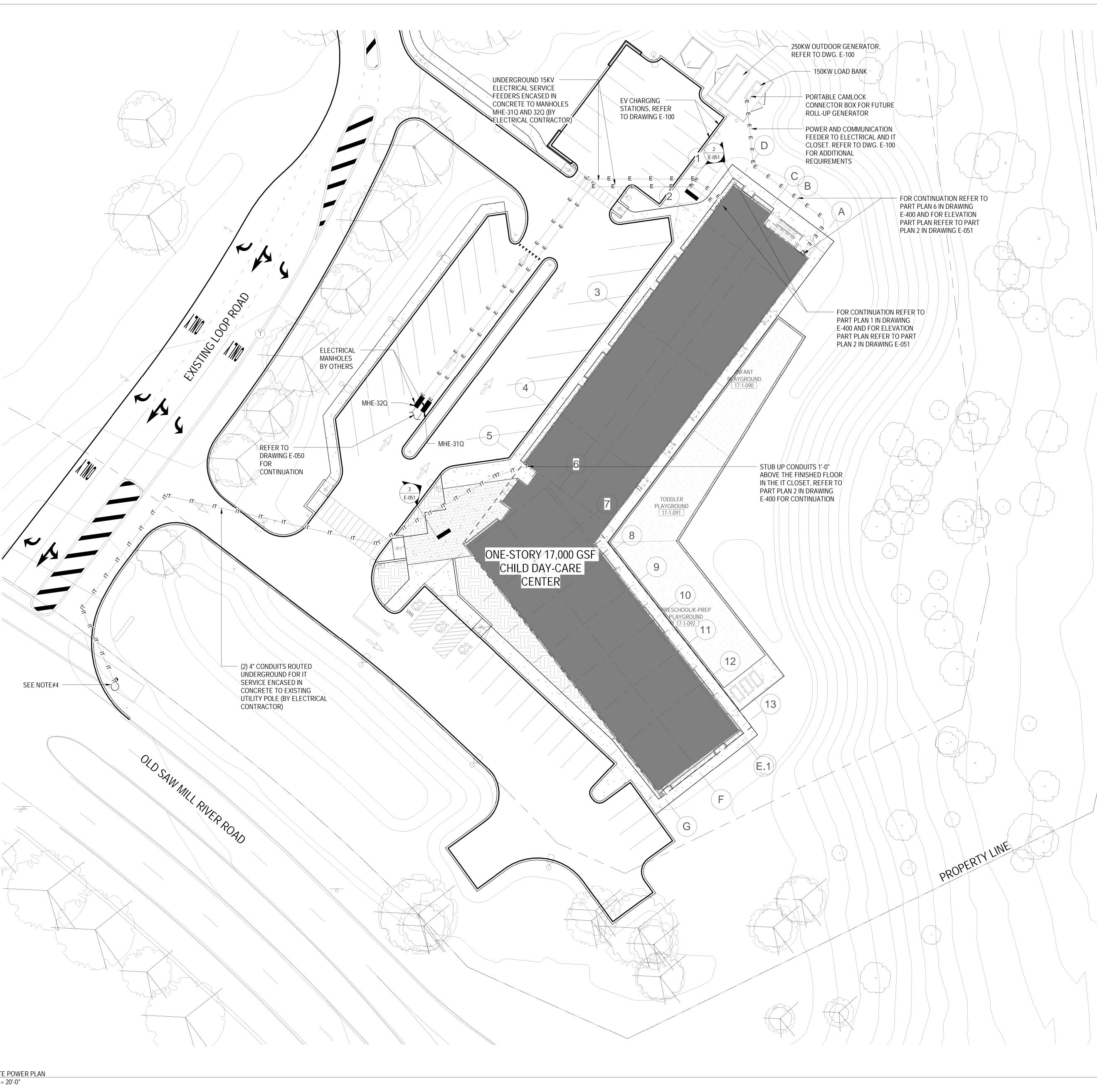
DRAWING LIST

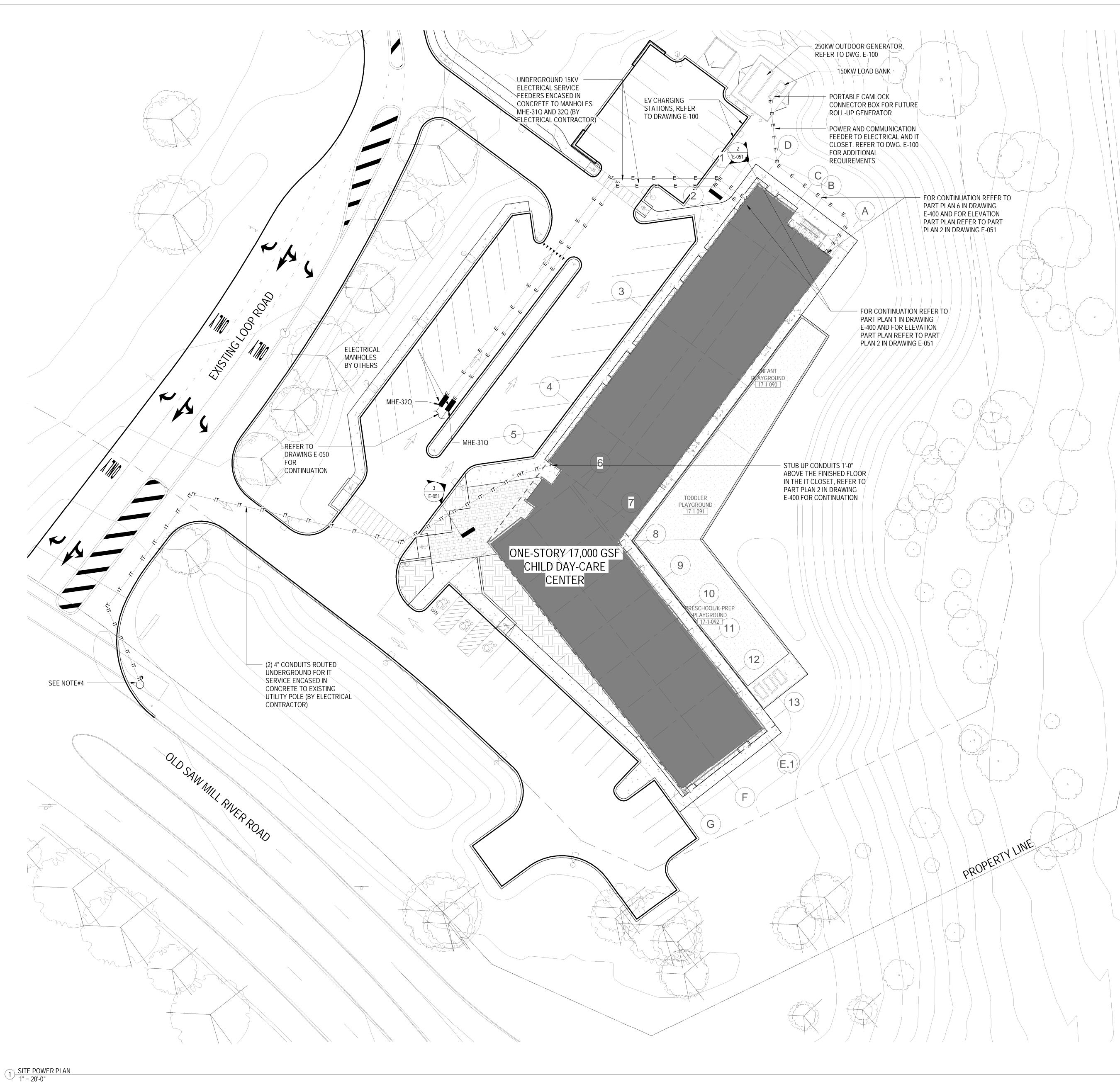
E-001

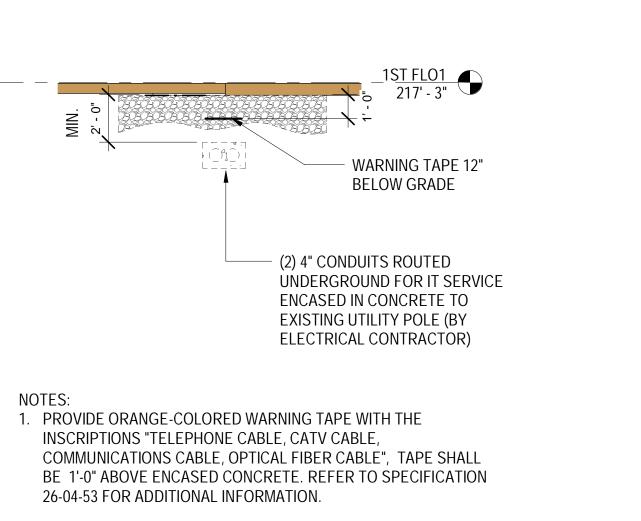
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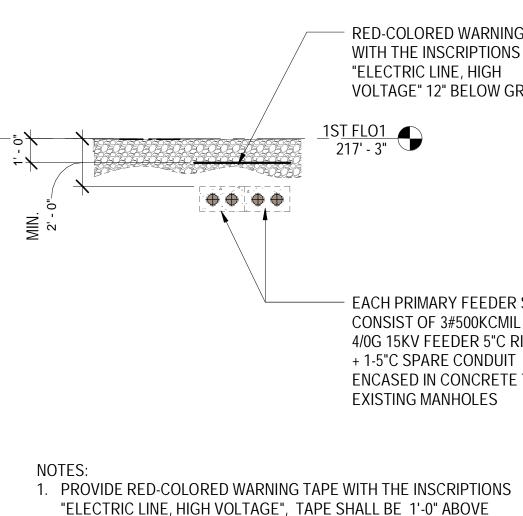
Floor:

NOTES:









2 UNDERGROUND CONDUIT DUCT BANK DETAIL 1/4" = 1'-0"

ADDITIONAL INFORMATION.

3 UNDERGROUND CONDUIT IT SERVICE DETAIL 1/4" = 1'-0"

RED-COLORED WARNING TAPE WITH THE INSCRIPTIONS VOLTAGE" 12" BELOW GRADE

- EACH PRIMARY FEEDER SHALL CONSIST OF 3#500KCMIL & 1# 4/0G 15KV FEEDER 5"C RIGID PVC + 1-5"C SPARE CONDUIT ENCASED IN CONCRETE TO

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

SPECIFIED ELSEWHERE.

UINLESS DIRECTED OTHERWISE.

ENCASED CONCRETE. REFER TO SPECIFICATION 26-04-53 FOR

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 application specification sheet. All other matte not to be relied upon, or to be considered as ei approved or in accordance with applicable cod

NOTES:

ed on the	Alterations or additions to this engineering
tters shown are	document by an unlicensed person is a violation
either being	of Chapter 16, Title VIII, Article 145 § 7209.2 of
odes.	the New York State Education Law.

Scale: As indicated Floor:

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

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Plot Date: 11/16/21

Key Plan

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Campus Expansion Child Day-care Center 777 Old Saw Mill River Road Mount Pleasant, NY 10591 Project No. B17-DAYCARE

777 Old Saw Mill River Road Tarrytown, NY 10591-6707 T: 914.847.7400 F: 914.847.7991 www.regeneron.com Building #17

# REGENERON REAL ESTATE & FACILITIES MANAGEMENT



1. COORDINATE EXCAVATION AND BACKFILL FOR UNDERGROUND

2. ALL UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED

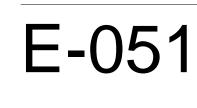
CONDUIT PVC COATED WITH THREADED FITTINGS. UNLESS

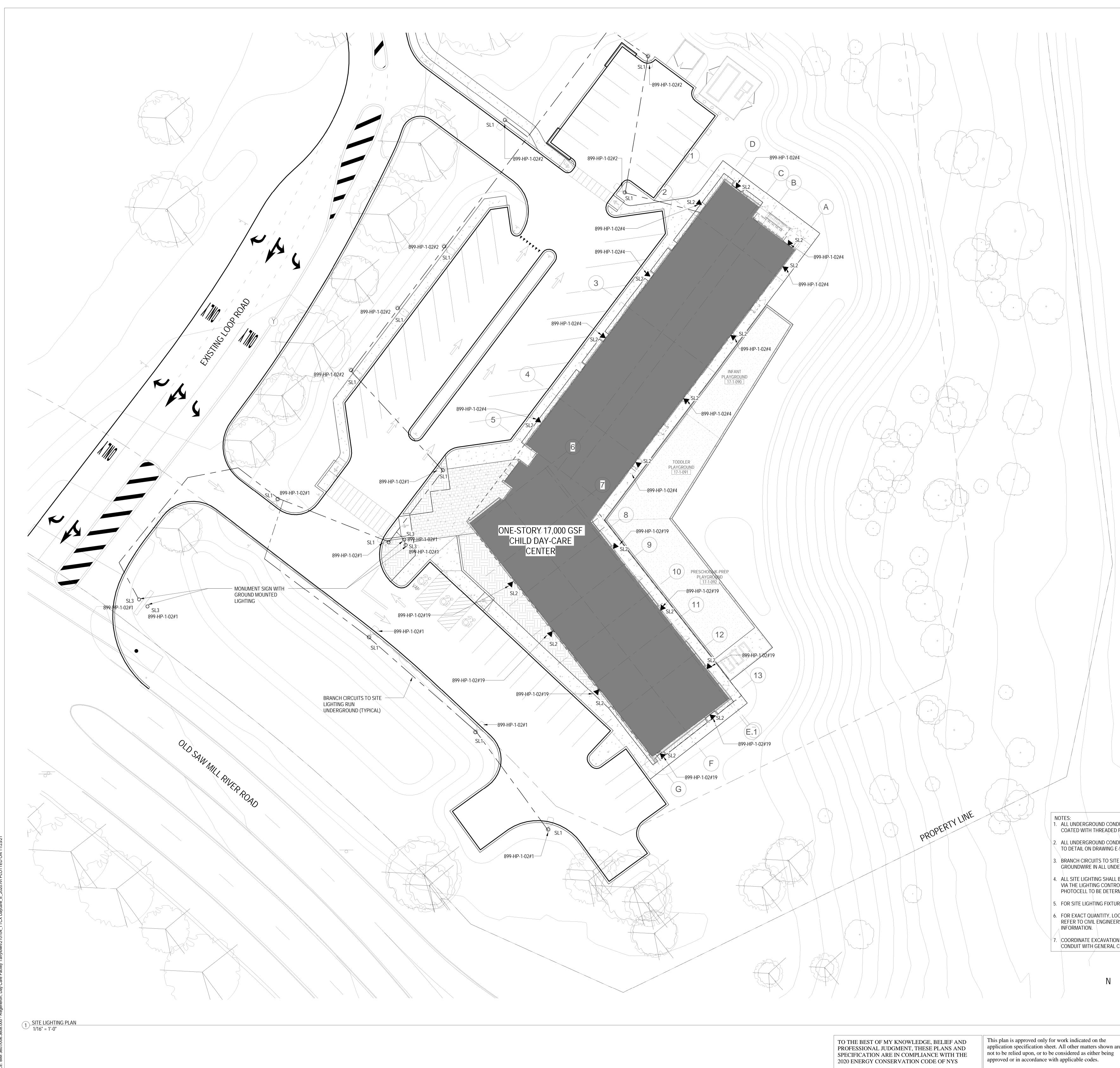
3. ALL UNDERGROUND CONDUITS TO BE INSTALLED 24" BELOW GRADE.

4. CONTRACTOR TO STUB-UP IT CONDUITS TO 8'-0" A.F.F. TO THE POLE

EXTERIOR CONDUITS WITH GENERAL CONTRACTOR .

REFER TO DETAILS ON DRAWING THIS DRAWING.





ROUND CONDUITS SHALL BE RIGID GALVANIZED CONDUIT PVC
H THREADED FITTINGS. UNLESS SPECIFIED ELSEWHERE.
$\sim$ \

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

7. COORDINATE EXCAVATION AND BACKFILL FOR UNDERGROUND EXTERIOR CONDUIT WITH GENERAL CONTRACTOR.

Alterations or additions to this engineering application specification sheet. All other matters shown are document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

# REGENERON REAL ESTATE & FACILITIES MANAGEMENT

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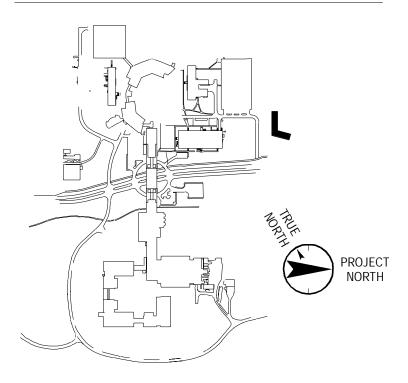
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# Key Plan



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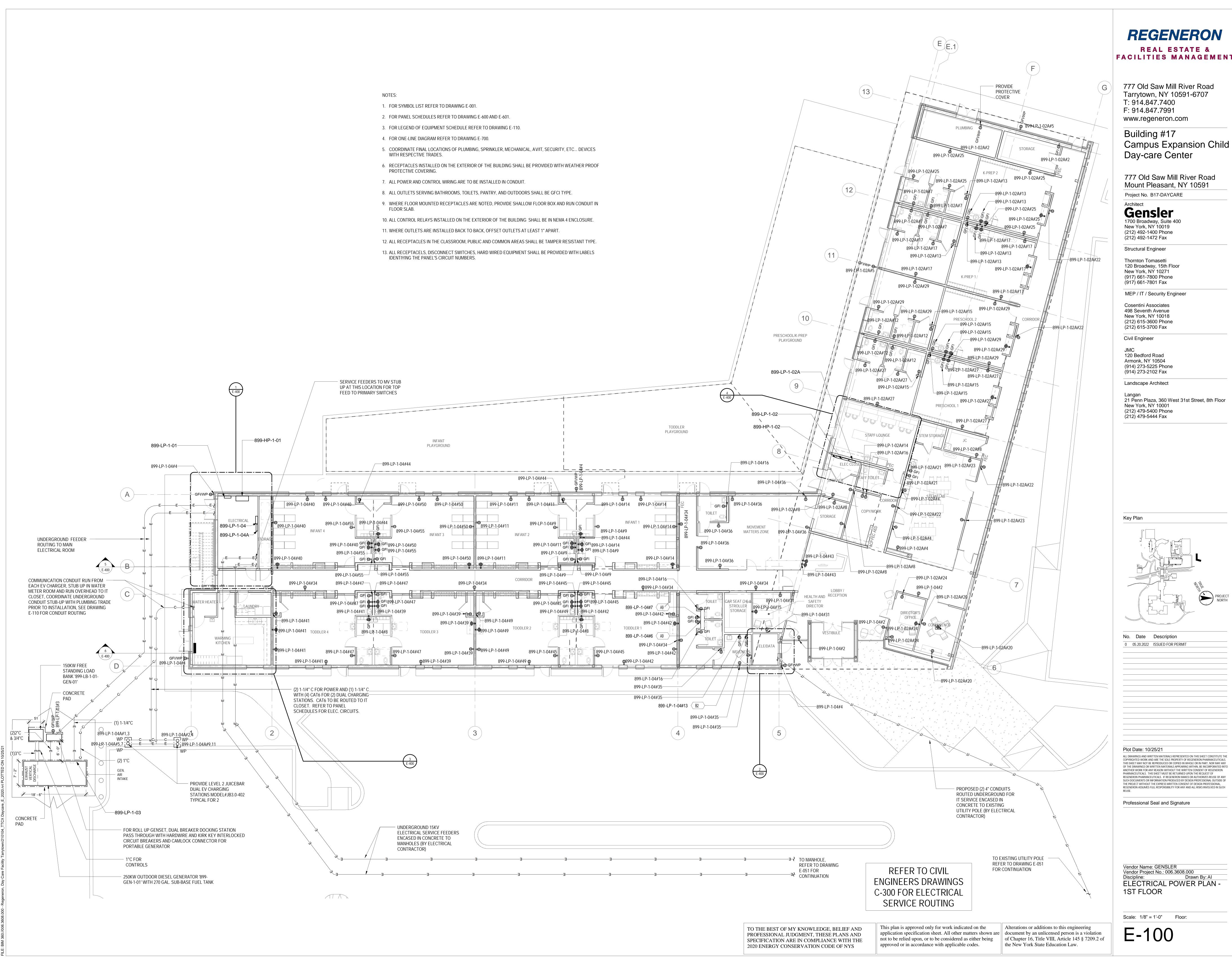
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Vendor Name: GENSLER Vendor Project No.: 006.3608.000 Discipline: Drawn By: Author ELECTRICAL SITE LIGHTING PLAN

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

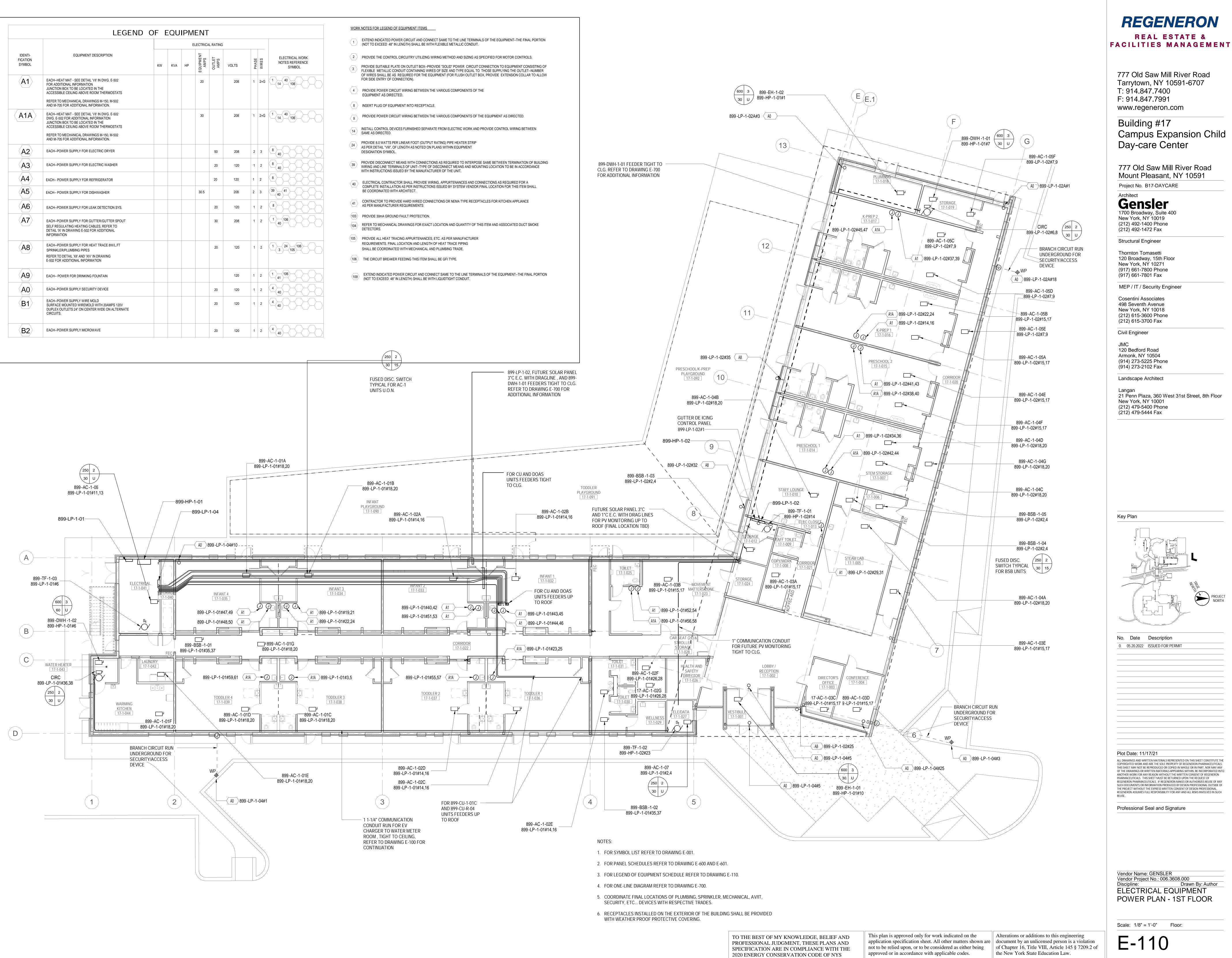
E-052





# FACILITIES MANAGEMENT

	LEGEND	OF	EQU	IPN	IENT	-			
					ELECTRIC	AL RATING	i		
IDENTI- FICATION SYMBOL	EQUIPMENT DESCRIPTION	ĸw	KVA	HP	EQUIPMENT AMPS	OUTLET AMPS	VOLTS	DHASF	
<b>A1</b>	EACHHEAT MAT - SEE DETAIL 'VII' IN DWG. E-502 FOR ADDITIONAL INFORMATION JUNCTION BOX TO BE LOCATED IN THE ACCESSIBLE CEILING ABOVE ROOM THERMOSTATS				20		208	1	2
	REFER TO MECHANICAL DRAWINGS M-150, M-502 AND M-705 FOR ADDITIONAL INFORMATION.								
A1A	EACHHEAT MAT - SEE DETAIL 'VII' IN DWG. E-502 DWG. E-502 FOR ADDITIONAL INFORMATION JUNCTION BOX TO BE LOCATED IN THE ACCESSIBLE CEILING ABOVE ROOM THERMOSTATS				30		208	1	2
	REFER TO MECHANICAL DRAWINGS M-150, M-502 AND M-705 FOR ADDITIONAL INFORMATION.								
<b>A2</b>	EACHPOWER SUPPLY FOR ELECTRIC DRYER					50	208	2	3
A3	EACHPOWER SUPPLY FOR ELECTRIC WASHER					20	120	1	
<b>A4</b>	EACH POWER SUPPLY FOR REFRIGERATOR					20	120	1	2
<b>A5</b>	EACH POWER SUPPLY FOR DISHWASHER				30.5		208	2	3
<b>A6</b>	EACHPOWER SUPPLY FOR LEAK DETECTION SYS.					20	120	1	
<b>A7</b>	EACHPOWER SUPPLY FOR GUTTER/GUTTER SPOUT SELF REGULATING HEATING CABLES, REFER TO DETAIL 'IX' IN DRAWING E-502 FOR ADDITIONAL INFORMATION					30	208	1	
<b>A8</b>	EACHPOWER SUPPLY FOR HEAT TRACE 8W/L.FT SPRINKLER/PLUMBING PIPES					20	120	1	
	REFER TO DETAIL 'XII' AND 'XIV' IN DRAWING E-502 FOR ADDITIONAL INFORMATION								
<b>A9</b>	EACH POWER FOR DRINKING FOUNTAIN						120	1	
	EACHPOWER SUPPLY SECURITY DEVICE					20	120	1	
B1	EACHPOWER SUPPLY WIRE MOLD SURFACE MOUNTED WIREMOLD WITH 20AMPS 120V DUPLEX OUTLETS 24" ON CENTER WIDE ON ALTERNATE CIRCUITS.					20	120	1	
B2	EACHPOWER SUPPLY MICROWAVE					20	120	1	_

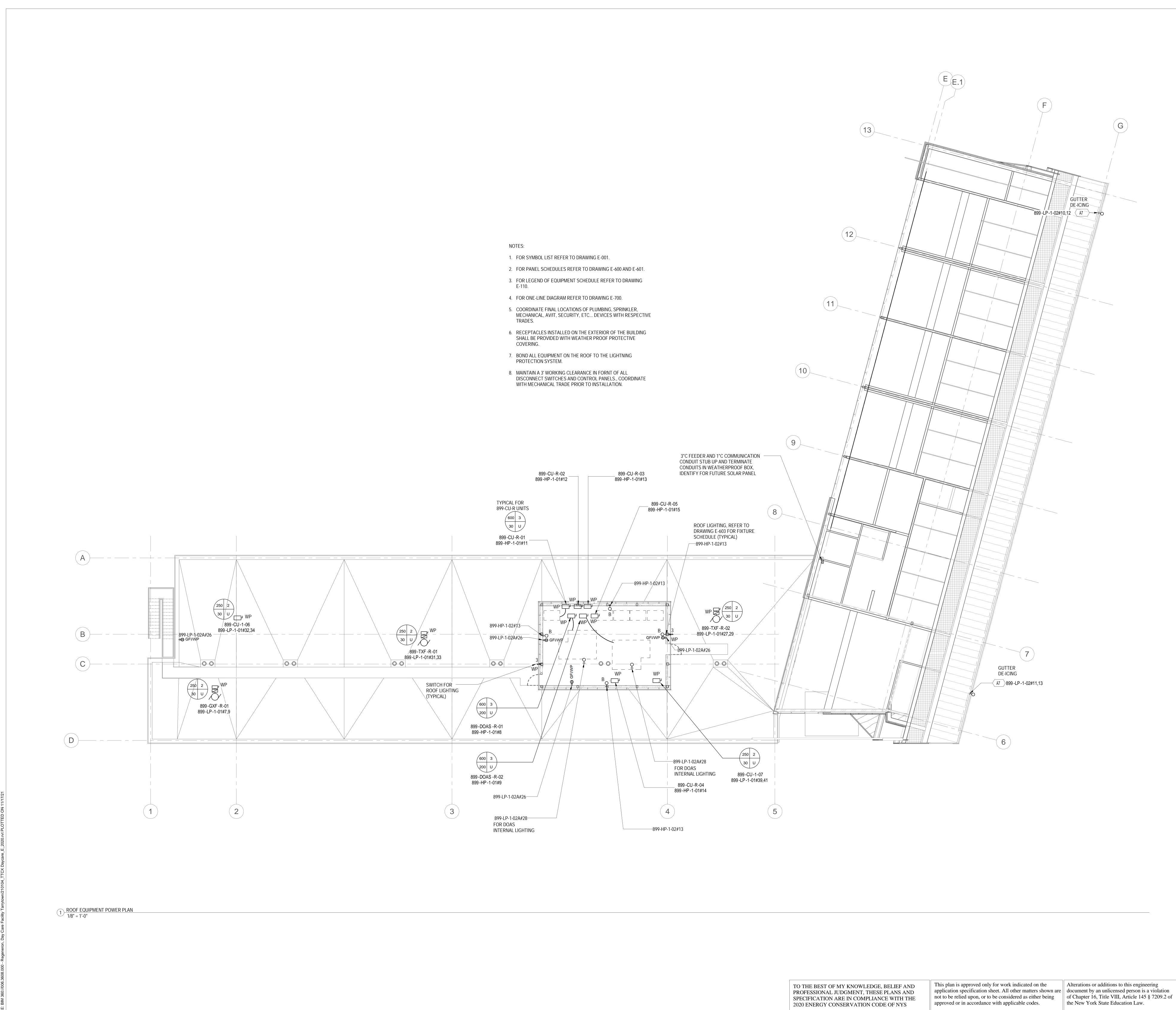


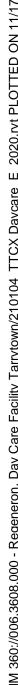
Campus Expansion Child Day-care Center

777 Old Saw Mill River Road Mount Pleasant, NY 10591

21 Penn Plaza, 360 West 31st Street, 8th Floor

PROJECT NORTH





# REGENERON REAL ESTATE & FACILITIES MANAGEMENT

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 **Gensier** 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

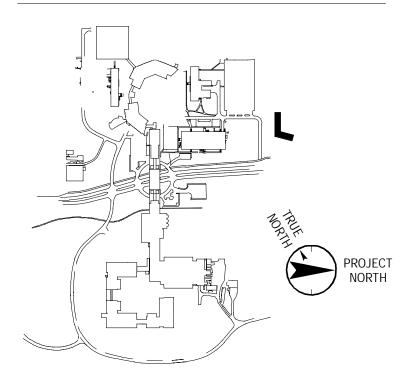
Civil Engineer JMC 120 Bedford Road

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: 11/17/21

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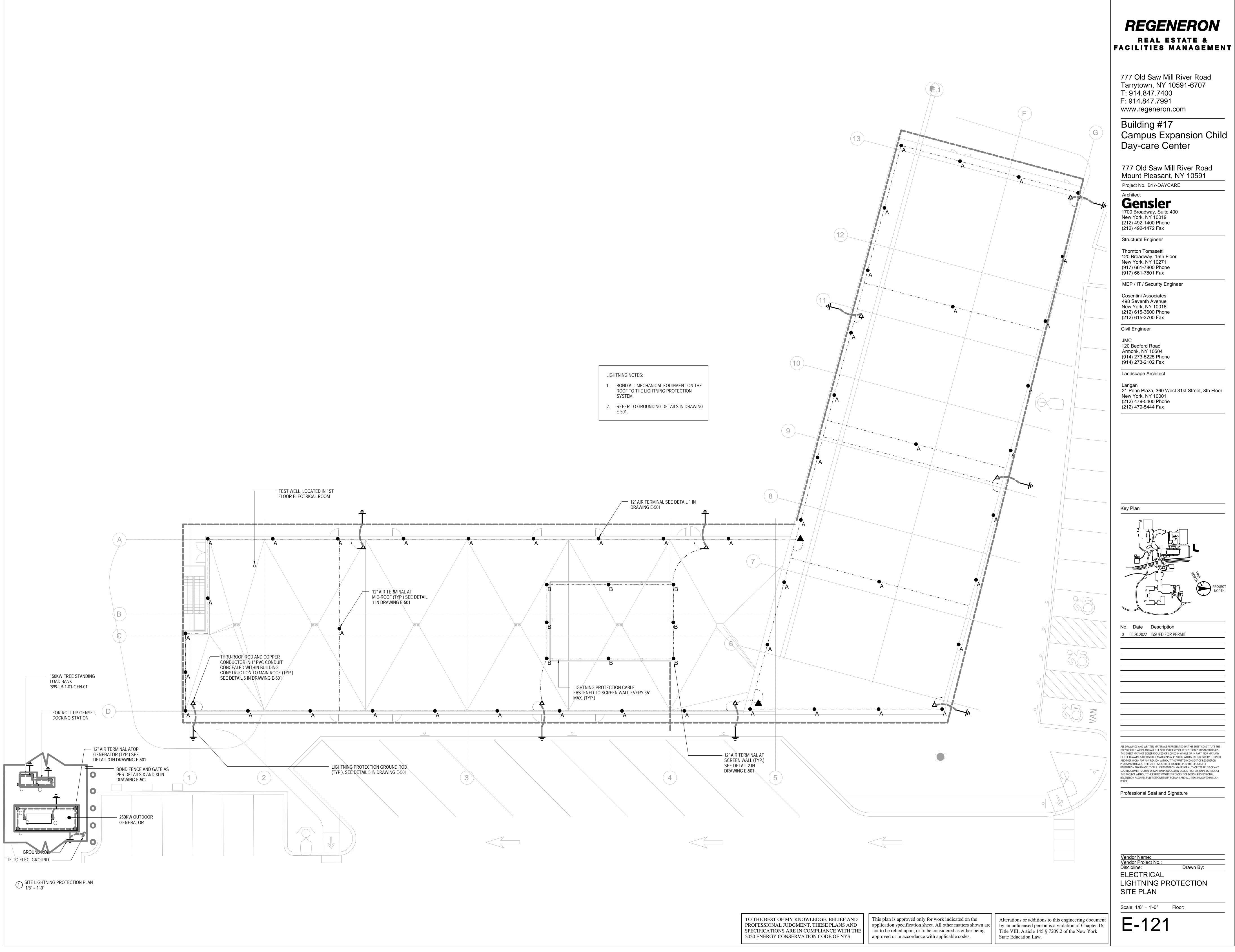
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Vendor Name: GENSLER Vendor Project No.: 006.3608.000 Drawn By: Author Discipline: ELECTRICAL EQUIPMENT POWER PLAN - ROOF

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

E-111



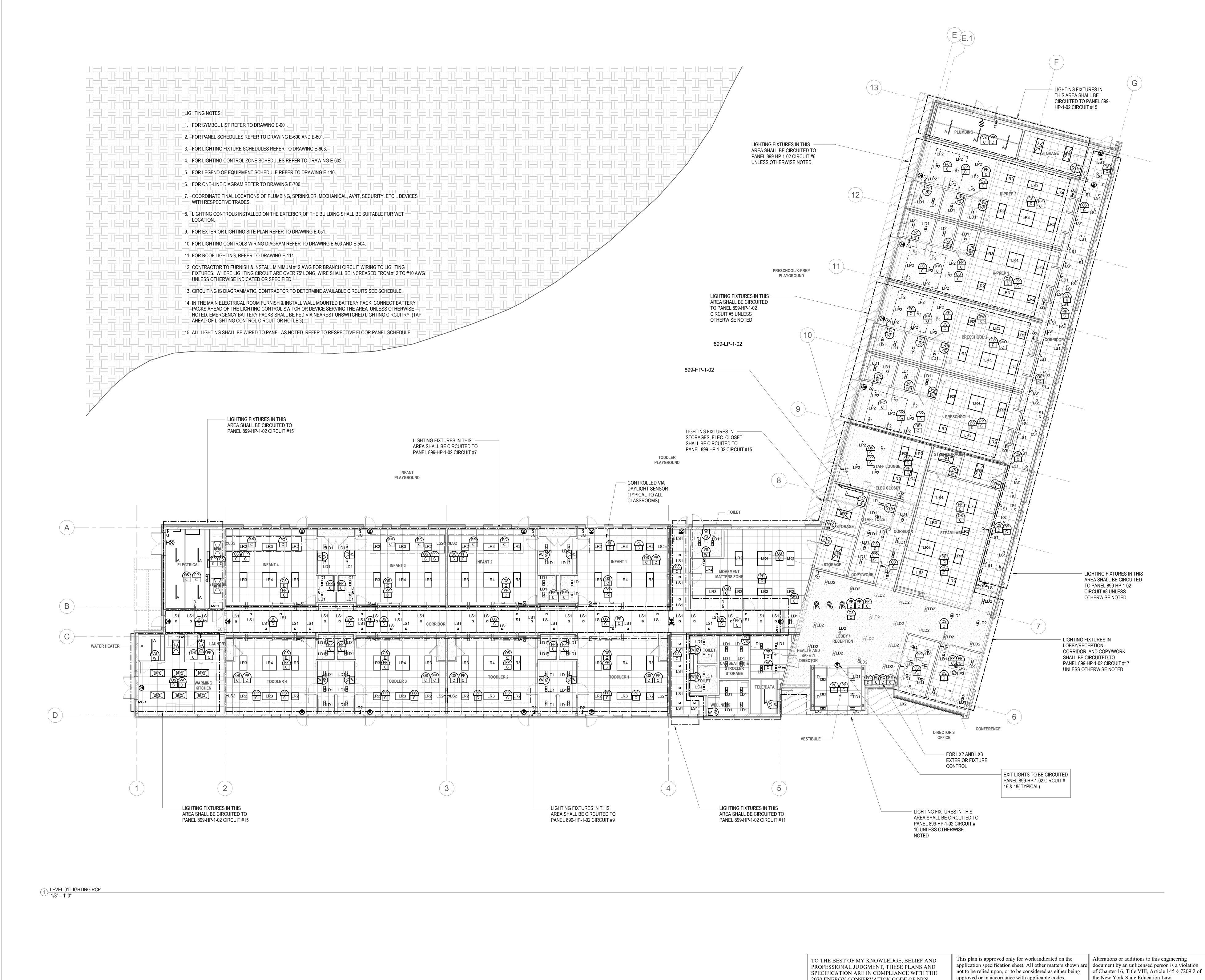


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DRAWING E-602.       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	I       I		
Image: Constraint of the second se			
DRAWING E-503 AND E-504. G FOR BRANCH CIRCUIT WIRING TO LIGHTING   NG, WIRE SHALL BE INCREASED FROM #12 TO #10	I I I I I I I I I I I I I I I I I I I		/
RMINE AVAILABLE CIRCUITS SEE SCHEDULE.	E		

approved or in accordance with applicable codes.

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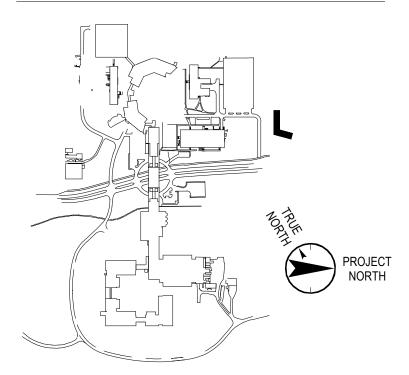
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### Key Plan



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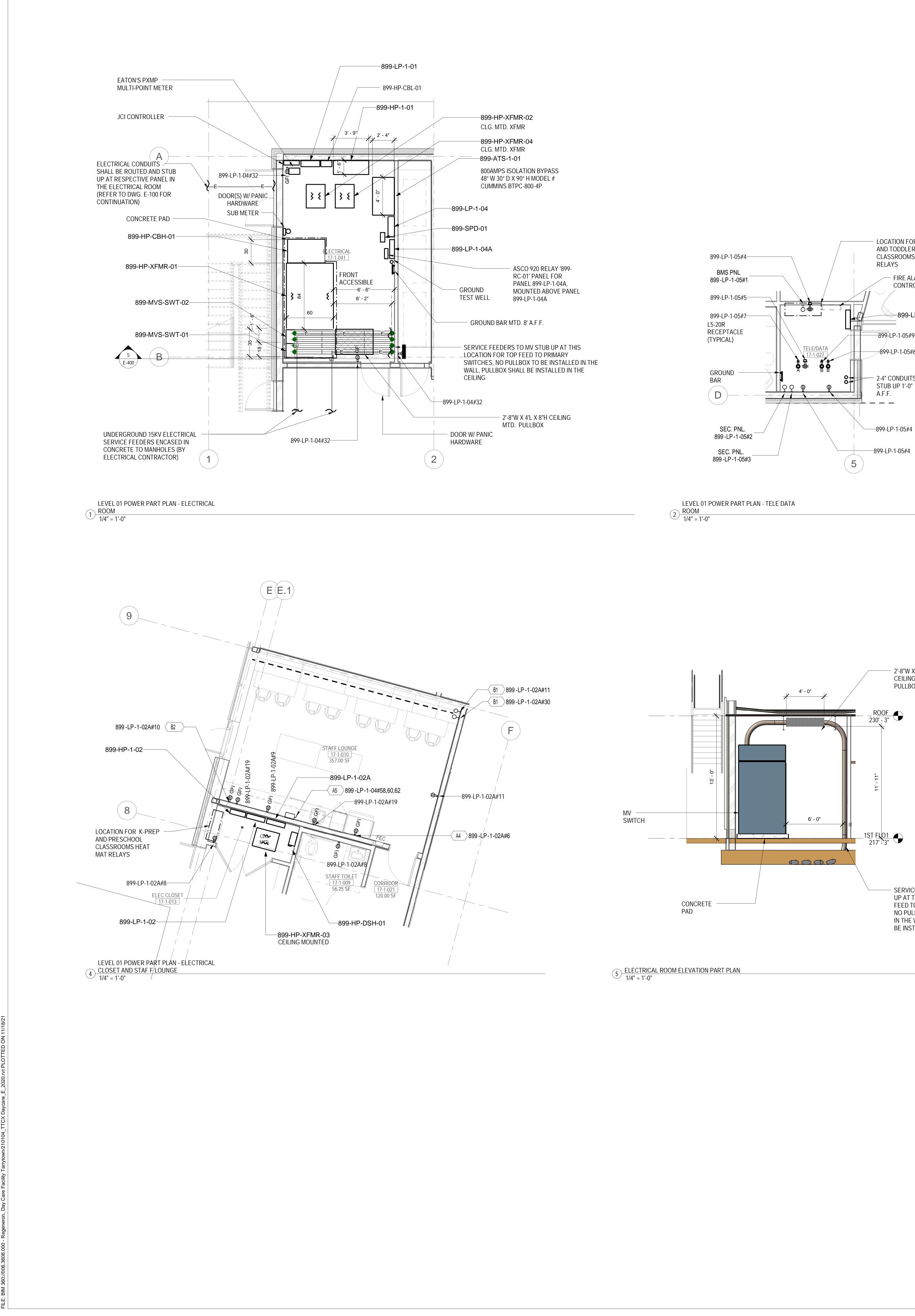
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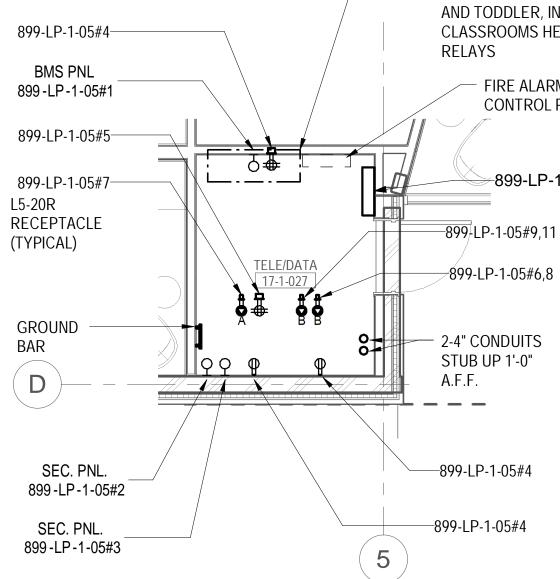
Vendor Name: GENSLER Vendor Project No.: 006.3608.000 Drawn By: Author Discipline: ELECTRICAL LIGHTING PLAN -**1ST FLOOR** 

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





-CRT-01		
1-01	899-HI	P-XFMR-02
	CLG. M	TD. XFMR
	CLG. M	P-XFMR-04 TD. XFMR TS-1-01
	48″ W 3	PS ISOLATION BYPASS 0″ D X 90″ H MODEL # NS BTPC-800-4P
	899-SPD-01	
	GROUND TEST WELL	
	GROUND B	AR MTD. 8' A.F.F.
	LOCATION FO SWITCHES, N	DERS TO MV STUB UP AT THIS IR TOP FEED TO PRIMARY O PULLBOX TO BE INSTALLED IN THE OX SHALL BE INSTALLED IN THE
	DOOR W/ PANIC HARDWARE	2'-8"W X 4'L X 8"H CEILING MTD. PULLBOX
	2	



### - LOCATION FOR BMS PANEL AND TODDLER, INFANT CLASSROOMS HEAT MAT

RELAYS

CONTROL PANEL

2-4" CONDUITS

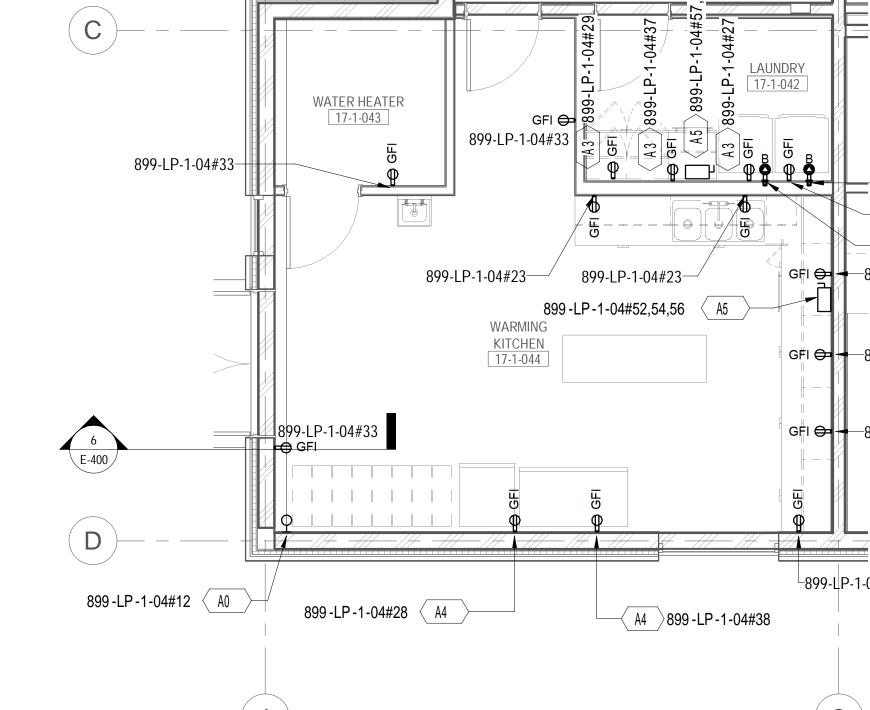
- FIRE ALARM

⊬899-LP-1-05

2'-8"W X 4'L X 8"H CEILING MTD. PULLBOX







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

WARNING TAPE \_\_\_\_\_ 80900 +0 8' - 9" 4 ———

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, AV/IT, SECURITY, ETC... DEVICES WITH RESPECTIVE TRADES.
- 8. DEVICES SUBJECT TO OUTSIDE ELEMENTS OUTSIDE SHALL BE PROVIDED

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 SERVICE FEEDERS TO MV STUB
 UP AT THIS LOCATION FOR TOP FEED TO PRIMARY SWITCHES, NO PULLBOX TO BE INSTALLED IN THE WALL, PULLBOX SHALL BE INSTALLED IN THE CEILING

A2 899 - LP - 1 - 04 # 18,20 √ A3 ≥ 899 - LP - 1 - 04 # 30 ✓ A2 ≥899-LP-1-04#19,21 GFI 🗲 🗕 899-LP-1-04#23

22,

GFI 😝 🛥 ─899-LP-1-04#17

<sup>L</sup>899-LP-1-04#33

<u>1ST FL01</u> 217' - 3"

BRANCH FEEDERS IN RIGID CONDUITS RUN UNDERGROUND:

1. (2) 1-1/4"C POWER FOR EV CHARGING STATION.

- 2. 1 1-1/4"C WITH 4 CAT 6 FOR EACH EV
- CHARGING STATION .
- 3. (2) 2"C EM FEED FROM 899-ATS-1-01.
- 4. (2) 1"C JCI CONTROL CONTROL.
- 5. (1) 1-1/4"C PANEL 899-LP-1-03. 6. (2) 1"C GENERATOR CONTROL WIRES
- 7. 1"C FIRE ALARM FEEDERS.

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Building #17 Campus Expansion Child Day-care Center

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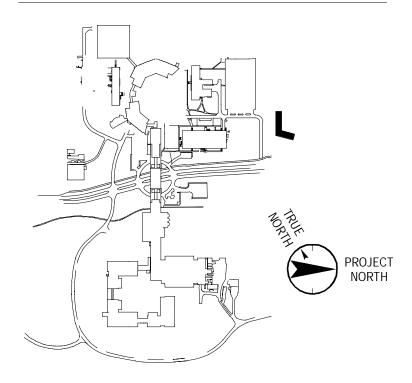
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Landscape Architect

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# Key Plan



No. Date Description 0 05.20.2022 ISSUED FOR PERMIT

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ELECTRICAL ENLARGED

WITH WEATHER PROOF PROTECTIVE COVERING AND WEATHERPROOF TYPE.

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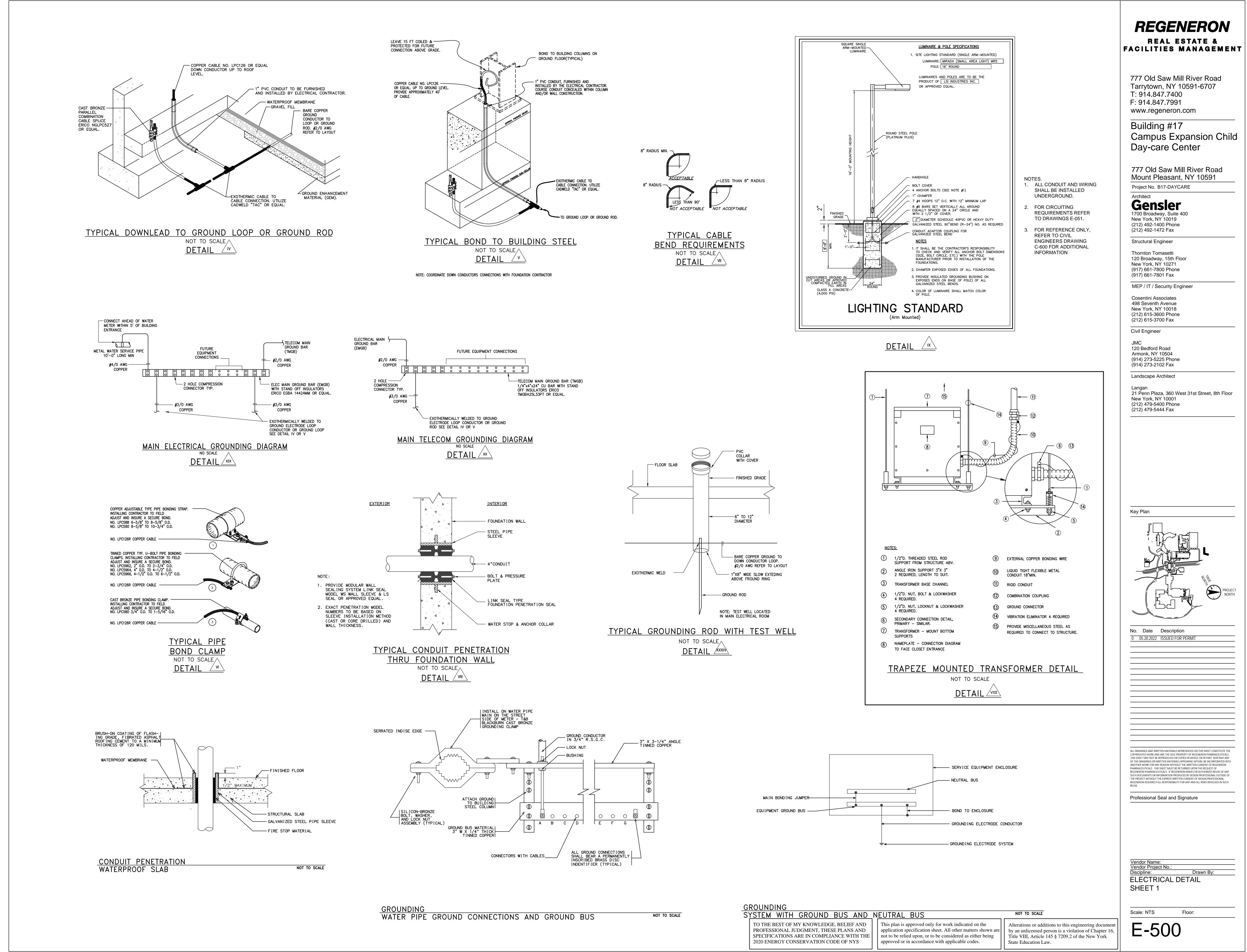
Scale: As indicated Floor:

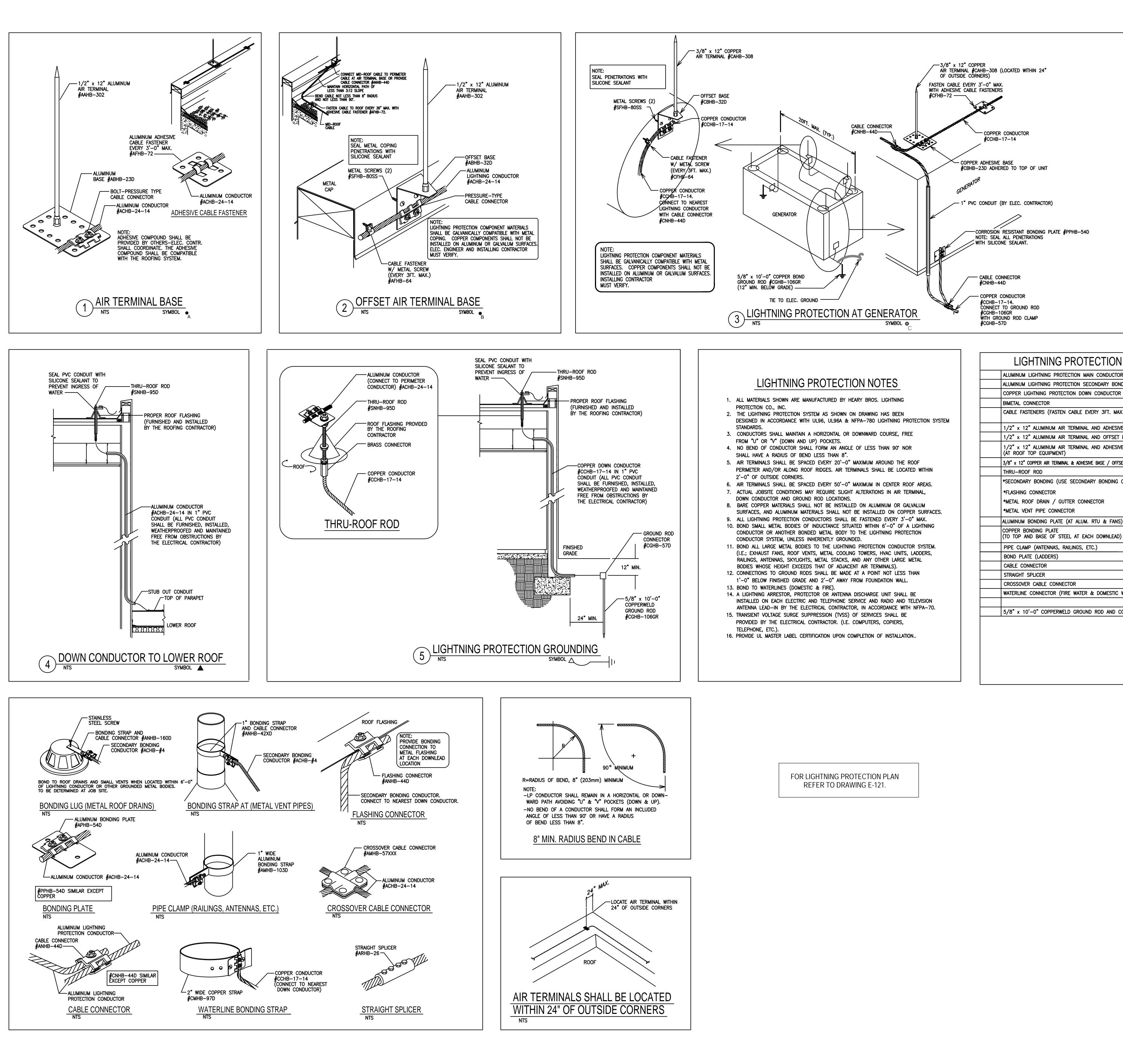
VIEWS - SHEET 1

Discipline:

E-400

Drawn By: Author





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Discipline:

Drawn By:

ELECTRICAL DETAIL SHEET 2

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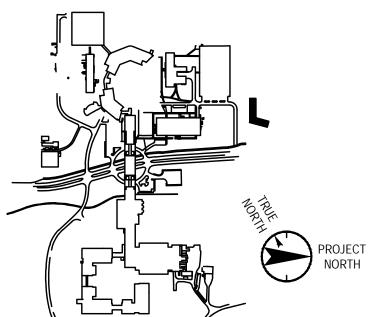
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Key	Plan
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ror	ACHB-24-14
ONDING CABLE*	ACHB-#4
DR	CCHB-17-14
	MNHB-93
IAX.)	AFHB-72, 66, 64, CFHB-72, 64
SIVE BASE	AAHB-302, ABHB-23D
T BASE	AAHB-302, ABHB-32D
SIVE BASE	AAHB-302, ABHB-23D
FSET BASE (GENERATOR)	CAHB-308, CBHB-23D, 32D
	SNHB-95D
G CABLE #ACHB-#4):	
	ANHB-44D
	ANHB-160D
	ANHB-42XD
NS)	APHB-54D
ם)	PPHB-54D
	AMHB-103D
	PPHB-54D
	ANHB-44D, CNHB-44D
	ARHB-26, CRHB-26
	CMHB-57XXX
C WATER)	CMHB-97D
CONNECTOR	CGHB-106GR, CGHB-57D

CTOR	ACHB-24-14
BONDING CABLE*	ACHB <b>—#</b> 4
TOR	CCHB-17-14
	MNHB-93
MAX.)	AFHB—72, 66, 64, CFHB—72, 64
ESIVE BASE	AAHB-302, ABHB-23D
SET BASE	AAHB-302, ABHB-32D
ESIVE BASE	AAHB-302, ABHB-23D
OFFSET BASE (GENERATOR)	CAHB-308, CBHB-23D, 32[
	SNHB-95D
NG CABLE #ACHB-#4):	
	ANHB-44D
	ANHB-160D
	ANHB-42XD
ANS)	APHB-54D
AD)	PPHB-54D
	AMHB-103D
	PPHB-54D
	ANHB-44D, CNHB-44D
	ARHB-26, CRHB-26
	CMHB-57XXX
TIC WATER)	CMHB-97D
D CONNECTOR	CGHB-106GR, CGHB-57D

I MATERIALS	S LIST
R	ACHB-24-14
IDING CABLE*	ACHB-#4
2	ССНВ-17-14
	MNHB-93
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BASE	AAHB-302, ABHB-32D
/E BASE	AAHB-302, ABHB-23D
SET BASE (GENERATOR)	CAHB-308, CBHB-23D, 32D
	SNHB-95D
CABLE #ACHB-#4):	
	ANHB-44D
	ANHB-160D
	ANHB-42XD

Architect

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New York, NY 10001 (212) 479-5400 Phone

# Building #17 Campus Expansion Child Day-care Center

777 Old Saw Mill River Road Mount Pleasant, NY 10591 Project No. B17-DAYCARE

REGENERON

REAL ESTATE &

FACILITIES MANAGEMENT

777 Old Saw Mill River Road

Tarrytown, NY 10591-6707

T: 914.847.7400

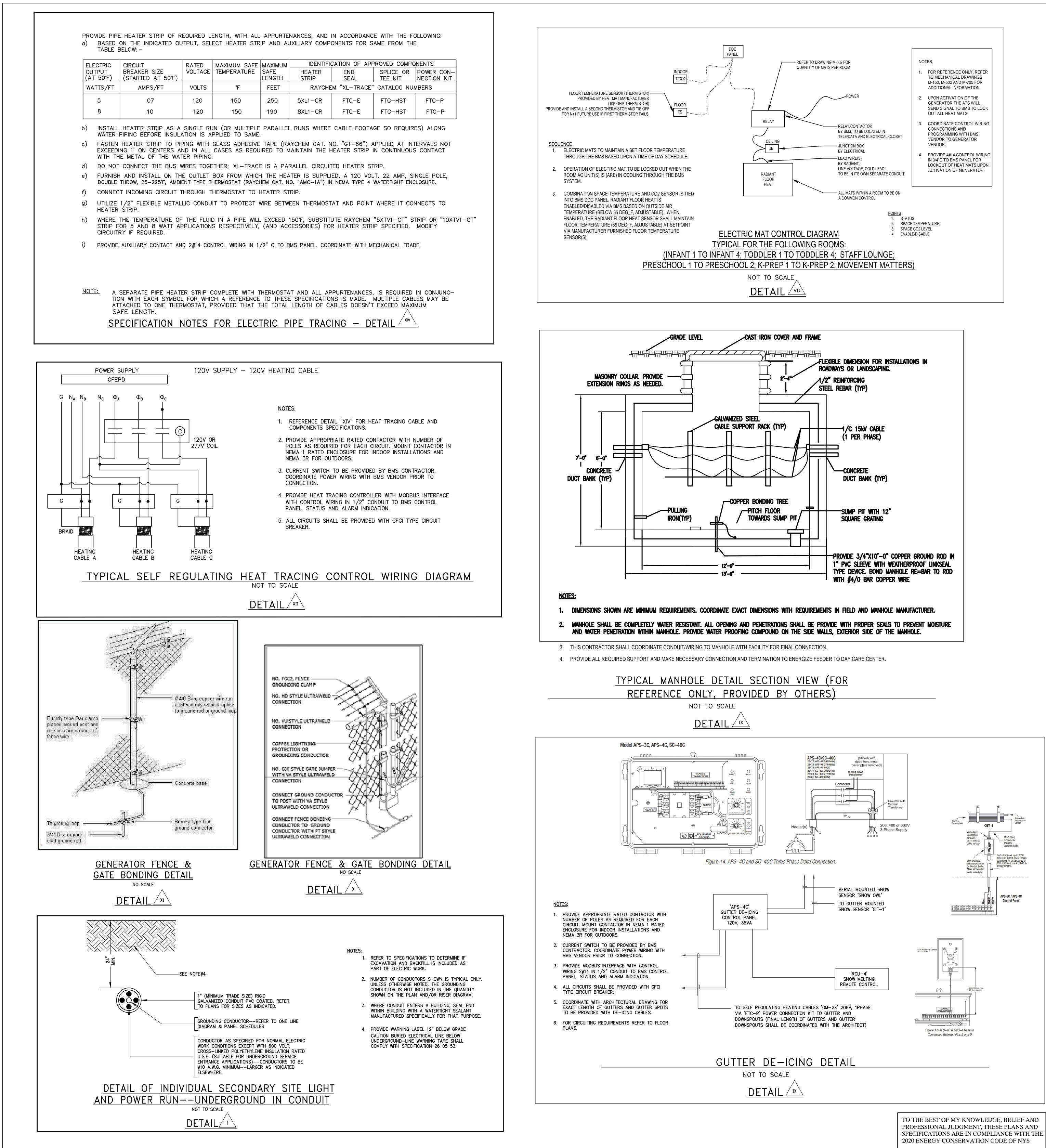
F: 914.847.7991

www.regeneron.com

Gensler 1700 Broadway, Suite 400

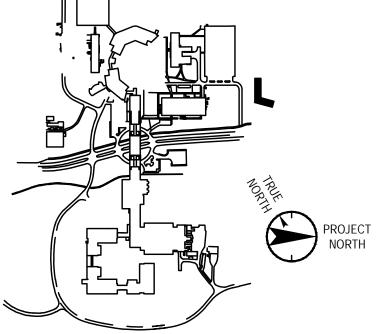
# New York, NY 10019 (212) 492-1400 Phone Structural Engineer

Scale: NTS Floor: E-501



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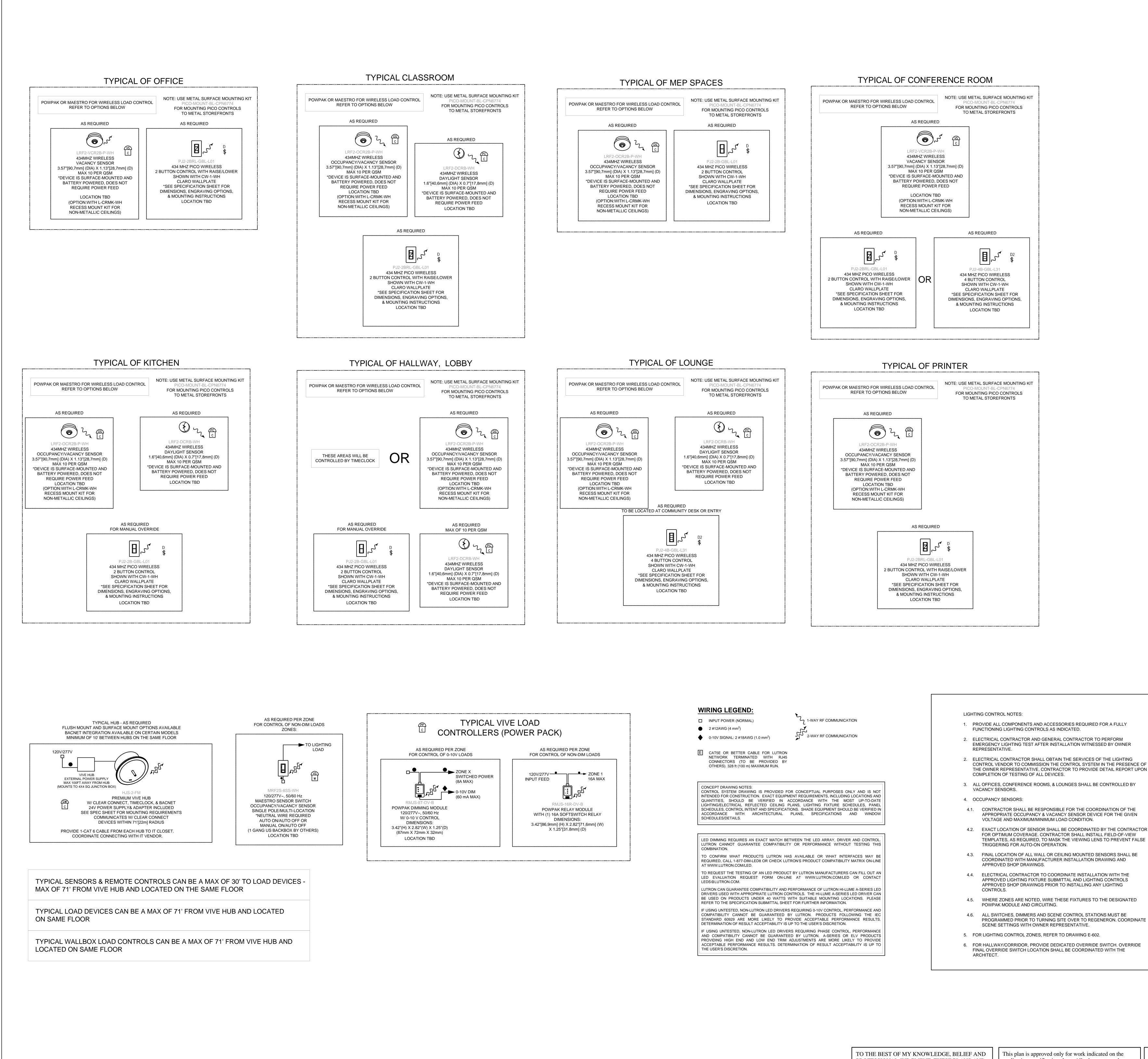
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Floor:

Scale: NTS



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being	Title VIII, Article 145 § 7209.2 of the New York	-
	State Education Law.	

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FACILITIES MANAGEMENT

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Mount Pleasant, NY 10591 Project No. B17-DAYCARE

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Gensler New York, NY 10019

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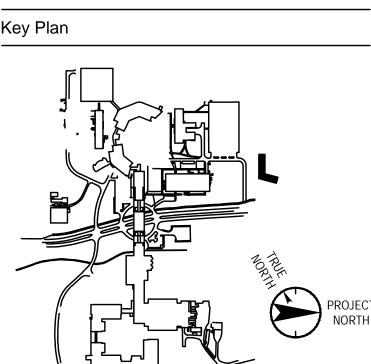
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Key Plan



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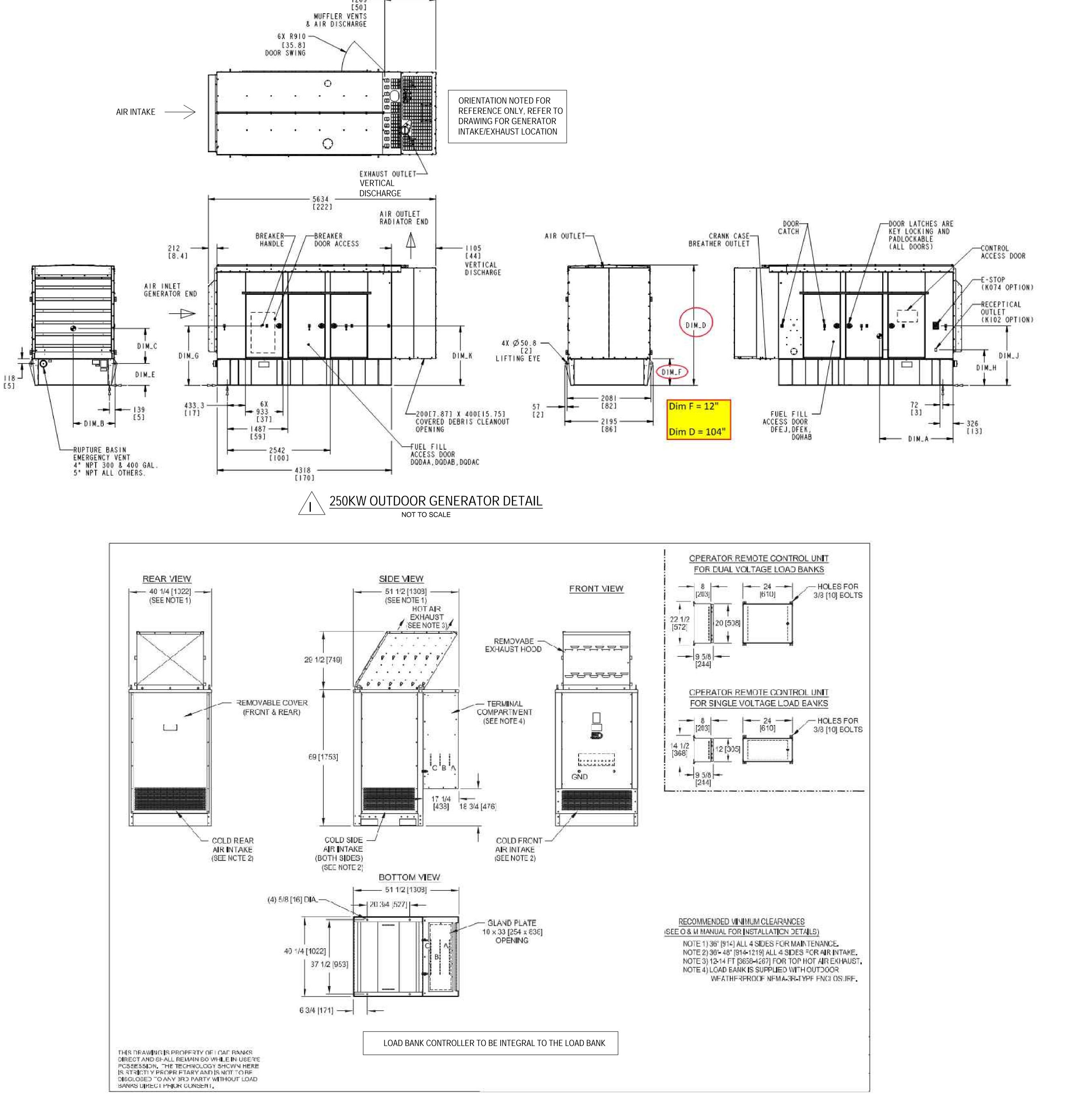
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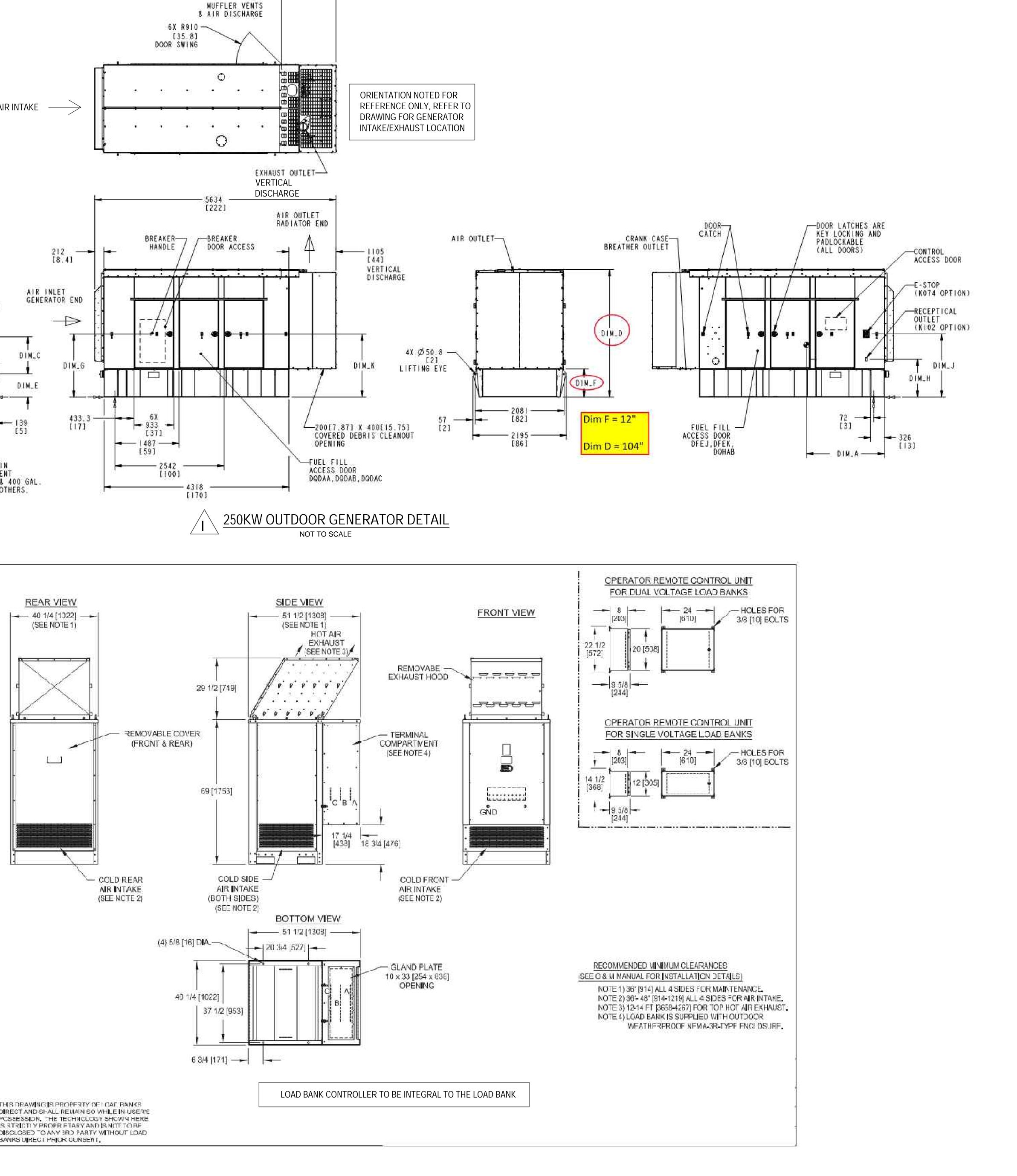
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Floor:







150KW LOAD BANK DETAIL NOT TO SCALE

1269 -

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This plan is approved only for work indicated on the not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

COORDINATE PLACEMENT OF GENERATOR INTAKE/VERTICAL DISCHARGE WITH DRAWING E-100 PRIOR TO INSTALLATION .

NOTES:

2. MOUNT GENERATOR, LOAD BANK, AND PORTABLE GENERATOR ON CONCRETE PAD, COORDINATE WITH ARCHITECTURAL DRAWINGS/G.C. FOR PAD REQUIREMENTS.

3. ELECTRICAL CONTRACTOR TO COORDINATE THE INSTALLATION OF OWNER FURNISHED PRE PURCHASED ITEMS SUCH AS GENERATOR, LOAD BANK, ATS, AND ROLL UP GENSET CONNECTOR, ELECTRICAL CONTRACTOR TO ACCEPT DELIVERY AND INSTALL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPROVED GENERATOR SHOP DRAWING.

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

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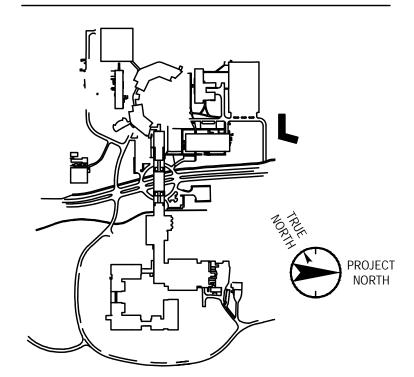
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Key Plan



No. Date Description 0 05.20.2022 ISSUED FOR PERMI

Professional Seal and Signature

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Vendor Name: Vendor Project No.: Discipline: ELECTRICAL **DETAIL SHEET 5** 

Scale: NTS



Alterations or additions to this engineering document application specification sheet. All other matters shown are by an unlicensed person is a violation of Chapter 16 Title VIII, Article 145 § 7209.2 of the New York State Education Law.

Floor:

Drawn By:

Distribution: 899	-HP-1-01						Bra	anch Panel: 899-HP-	-1-02									
Location: ELECT Supply From: 899-A <sup>-</sup> Mounting: Surfac Enclosure: Type 1	Volts: 480/ Phases: 3 Wires: 4	Phases: 3 Wires: 4			j: 65kAIC e: MCB j: 800 A j: 800 A		Location: ELEC CLOSET 17-1-013 Supply From: 899-HP-1-01 Mounting: Surface Enclosure: Type 1					277 Wye	& GRD A.I.C. Rating: 65kAIC Mains Type: M.C.B Mains Rating: 100 A MCB Rating: 60 A					
Notes:							Notes:											
CKT Cir	cuit Description	# of Poles	s Frame Size	Trip Rating	Load	Remarks	СКТ	Circuit Description	Trip Po	les	A	В		С	Pole	s Trip	Circuit Description	СКТ
899-HP-1-01#1 899-EH-1-02 3#12 & 1#12G -	•	3	30 A	20 A	5.00 kVA		899-HP-1-02#1	SITE LIGHTING 2#8 & 1#8G -1"C	20 A		0.81 kVA				1	20 A	•	899-HP-1-02
899-HP-1-01#2 899-HP-XFMR-04 (899-LP-1-0		3	200 A	125 A	76.08 kVA	75 KVA XFMR (CLG. MTD.)	099-HF-1-02#1		20 A	kVA	kVA					20 A		099-06-1-02
899-HP-1-01#3 899-HP-XFMR-03 (899-LP-1-0	2)	3	200 A	125 A	66.56 kVA	75 KVA XFMR (CLG. MTD.)	899-HP-1-02#3	Spare	20 A			0.00 0.5			1	20 A	BLDG. EXTERIOR LTG. 2#10 &	899-HP-1-02
899-HP-1-01#4 899-HP-1-02		3	100 A	60 A	14.89 kVA	LIGHTING PANEL						kVA k∿					1#106-3/4 C	
899-HP-1-01#5 899-HP-XFMR-02 (899-LP-1-0	1)	3	200 A	125 A	60.94 kVA	75 KVA XFMR (CLG. MTD.)	899-HP-1-02#5	PRESCHOOL CLASSROOM/RESTRM.	20 A				1.28 kVA	1.28 kVA		20 A	PRESCHOOL CLASSROOM/RESTRM	<sup>VI.</sup> 899-HP-1-02
899-HP-1-01#6 899-DWH-1-02 - 3#6 & 1#10G	- 1"C	3	60 A	60 A	30.00 kVA					4.54	0.44		KV/	. KVA				
899-HP-1-01#7 899-DWH-1-01 - 3#10 & 1#10		3	30 A	20 A	12.00 kVA		899-HP-1-02#7	INFANT CLASSROOM/RESTRM. LTG.	. 20 A	kVA	0.41 kVA				1	20 A	CORRIDOR LIGHTING	899-HP-1-02
899-HP-1-01#8 899-DOAS-R-01 - 3#1/0 & 1#6		3	200 A	125 A	98.89 kVA			TODDLER CLASSROOM/RESTRM.				1.61 1.8	86					
899-HP-1-01#9 899-DOAS-R-02 - 3#1/0 & 1#6		3	200 A	125 A	98.89 kVA		899-HP-1-02#9	LTG.	20 A			kVA kV			1	20 A	OFFICE/LOBBY/CONF./LAB LIGHTING	899-HP-1-02#
899-HP-1-01#10 899-EH-1-01 - 3#10 & 1#10G		3	30 A	30 A	5.00 kVA								0.50	0.00				
899-HP-1-01#11 899-CU-R-01 - 3#10 & 1#10G		3	30 A	25 A	17.53 kVA		899-HP-1-02#11	CORRIDOR LIGHTING	20 A				kVA			20 A	Spare	899-HP-1-02#
899-HP-1-01#12 899-CU-R-02 - 3#10 & 1#10G		3	30 A	25 A	17.53 kVA		800 HP 1 02#12	ROOF MEP AREA LIGHTING	20 A	0.08	0.50 kVA				1	20.4	899-TF-1-01	899-HP-1-02#
899-HP-1-01#13 899-CU-R-03 - 3#10 & 1#10G		3	30 A	25 A	17.53 kVA		899-HF-1-02#13	ROOF MEP AREA LIGHTING	20 A	kVA	kVA					20 A	099-1F-1-01	099-HP-1-024
899-HP-1-01#14 899-CU-R-04 - 3#10 & 1#10G 899-HP-1-01#15 899-CU-R-05 - 3#10 & 1#10G		3	30 A 30 A	25 A 25 A	17.53 kVA 17.53 kVA		899-HP-1-02#15	MEP/STORAGE LTG.	20 A			0.98 0.2			1	20 A	EXIT LIGHTS	899-HP-1-02#
899-HP-1-01#15 899-CO-R-05 - 3#10 & 1#10G	- 3/4 C	3		100 A	0.00 kVA	(100AMP FRAME)			207			kVA k∖				2077		
899-HP-1-01#17 Spare (FOR FUTURE SOLAR	PANEL )	3		250 A	0.00 kVA	(400AMP FRAME)	899-HP-1-02#17	LOBBY/CORRDIRO LIGHTING	20 A				0.86		1	20 A	Lighting	899-HP-1-02
899-HP-1-01#18	TANLE)	5		230 A	0.00 KVA								kVA	kVA	_			
			Tc	btal Conn. Load	• 555 92 kVA		899-HP-1-02#19	BLDG. EXTERIOR LTG. 2#10 &	20 A	0.46 kVA	0.00 kVA				1	20 A	Spare	899-HP-1-02#
				Total Amps								0.00 0.0						
_egend:							899-HP-1-02#21	Spare	20 A			kVA kV	A		1	20 A	Spare	899-HP-1-02#
							899-HP-1-02#23	899-TF-1-02	20 A				0.50	0.00 kVA	1	20 A	Spare	899-HP-1-02#
									Total Lo	ad: 5.0	6 kVA	5.20 kVA	4.	64 kVA		I		
Load Classification	Connected Load		Estimated De			Panel Totals			Total An	<b>ps:</b> 1	9 A	19 A		17 A				
HVAC	141.57 kVA	75.00%	106.18 kV				Legend:											
leating	285.23 kVA	100.00%	285.23 kV			nn. Load: 555.92 kVA												
Kitchen Equipment - Non-Dwelling Unit	7.50 kVA	65.00%	4.88 kVA			Demand: 490.40 kVA			_									
ighting	14.67 kVA	100.00%	14.67 kV		Total Conn. Current: 669 A		Load Classification	on	Connec			nd Factor	Est	imated I			Panel Totals	
Other	58.95 kVA	85.00%	50.10 kV		tal Est. Demand	I Current: 590 A	Lighting			′ kVA		0.00%		13.67 k				
Power	0.36 kVA	100.00%	0.36 kVA				Other			kVA		5.00%		0.85 k			Total Conn. Load: 14.89 kVA	
Receptacle	47.32 kVA	60.57%	28.66 kV	A			Spare		0.22	kVA	10	0.00%		0.22 k	/A		Total Est. Demand: 14.74 kVA	
Spare	0.32 kVA	100.00%	0.32 kVA														Total Conn. Current: 18 A	

Distribution: 899-HP-1-01								Branch Panel: 899-HP-1-02											
Location:         ELECTRICAL 17-1-041         Volts:         480/277 Wye & GRD           Supply From:         899-ATS-1-01         Phases:         3				Mains Typ Mains Ratir	A.I.C. Rating: 65kAICLocation: EMains Type: MCBSupply From: EMains Rating: 800 AMounting: EMCB Rating: 800 AEnclosure: E				wires: 4						Mains Type Mains Rating	A.I.C. Rating: 65kAIC Mains Type: M.C.B Mains Rating: 100 A MCB Rating: 60 A			
Notes:								Notes:											
СКТ	Circuit Description		# of Poles	Frame Size	Trip Rating	Load	Remarks	СКТ	Circuit Description	Trip Pole	s A		В		с	Poles	Trip Circu	uit Description	СКТ
899-HP-1-01#1 899-EH-1-02 3#12 & 1			3	30 A	20 A	5.00 kVA		899-HP-1-02#1	SITE LIGHTING 2#8 & 1#8G -1"C	20 A 1	1.29 0.					1	20 A SITE LIGHTIN	G 2#8 & 1#8G -1"C	899-HP-1-02#2
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.)			2077	kVA k								000111 1 02#2
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-1-02#3	Spare	20 A 1		0.00				1		IOR LTG. 2#10 &	899-HP-1-02#4
899-HP-1-01#4 899-HP-1-02			3	100 A	60 A	14.89 kVA	LIGHTING PANEL					kVA	kVA			-	1#10G-3/4 C		
899-HP-1-01#5 899-HP-XFMR-02 (899	)-LP-1-01)		3	200 A	125 A	60.94 kVA	75 KVA XFMR (CLG. MTD.)	899-HP-1-02#5	PRESCHOOL CLASSROOM/RESTRM LTG.	· 20 A 1				1.28 kVA	1.28 kVA	1	20 A PRESCHOOL	CLASSROOM/RESTR	RM. 899-HP-1-02#6
899-HP-1-01#6 899-DWH-1-02 - 3#6 &	4 1#10G - 1"C		3	60 A	60 A	30.00 kVA					4.54 0			KVA	KVA		LIG.		
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-1-02#7	INFANT CLASSROOM/RESTRM. LTG	. 20 A 1	1.51 0. kVA k <sup>v</sup>	41 /A				1	20 A CORRIDOR LI	GHTING	899-HP-1-02#8
899-HP-1-01#8 899-DOAS-R-01 - 3#1/	/0 & 1#6G - 2"C		3	200 A	125 A	98.89 kVA			TODDLER CLASSROOM/RESTRM.			1.61	1.86						
899-HP-1-01#9 899-DOAS-R-02 - 3#1/			3	200 A	125 A	98.89 kVA		899-HP-1-02#9	LTG.	20 A 1		kVA				1	20 A OFFICE/LOBB	T/CONF./LAB	899-HP-1-02#10
899-HP-1-01#10 899-EH-1-01 - 3#10 &			3	30 A	30 A	5.00 kVA								0.50	0.00				
899-HP-1-01#11 899-CU-R-01 - 3#10 &			3	30 A	25 A	17.53 kVA		899-HP-1-02#11	CORRIDOR LIGHTING	20 A 1				kVA		1	20 A Spare		899-HP-1-02#12
899-HP-1-01#12 899-CU-R-02 - 3#10 &			3	30 A	25 A	17.53 kVA					0.08 0.	50							
899-HP-1-01#13 899-CU-R-03 - 3#10 &			3	30 A	25 A	17.53 kVA		899-HP-1-02#13	ROOF MEP AREA LIGHTING	20 A 1	kVA k	/A				1	20 A 899-TF-1-01		899-HP-1-02#14
899-HP-1-01#14 899-CU-R-04 - 3#10 &			3	30 A	25 A	17.53 kVA		000 LID 4 00#45		20 A 1		0.98	0.22						000 UD 4 00#40
899-HP-1-01#15 899-CU-R-05 - 3#10 &	1#10G - 3/4"C		3	30 A	25 A	17.53 kVA		899-HP-1-02#15	MEP/STORAGE LTG.	20 A 1		kVA				1	20 A EXIT LIGHTS		899-HP-1-02#16
899-HP-1-01#16 Spare			3		100 A	0.00 kVA	(100AMP FRAME)	800 HP 1 02#17	LOBBY/CORRDIRO LIGHTING	20 A 1					0.22	1	20 A Lighting		899-HP-1-02#18
899-HP-1-01#17 Spare (FOR FUTURE 3	SOLAR PANEL )		3		250 A	0.00 kVA	(400AMP FRAME)	899-HF-1-02#17	LOBB I/CORRDING LIGHTING	20 A 1				kVA	kVA	I			099-07-1-02#10
899-HP-1-01#18								899-HP-1-02#19	BLDG. EXTERIOR LTG. 2#10 &	20 A 1	0.46 0.					1	20 A Spare		899-HP-1-02#20
				10	tal Conn. Load:				1#10G-3/4"C	2077	kVA k								000111 1 02//20
Legend:					Total Amps:	669 A		899-HP-1-02#21	Spare	20 A 1		0.00 kVA	0.00 kVA			1	20 A Spare		899-HP-1-02#22
								899-HP-1-02#23	899-TF-1-02	20 A 1				kVA	0.00 kVA	1	20 A Spare		899-HP-1-02#24
				Pada te			Devel Totala			Total Loa			0 kVA		kVA				
Load Classification			Demand Factor	Estimated Der			Panel Totals	· · · ·		Total Amp	<b>s:</b> 19 A		9 A	1	7 A				
HVAC		1.57 kVA	75.00%	106.18 kV		Tatal A		Legend:											
Heating Kitchen Equipment - Non-Dwelling Unit		35.23 kVA 7.50 kVA	100.00% 65.00%	285.23 kV 4.88 kVA			onn. Load: 555.92 kVA :. Demand: 490.40 kVA												
							n. Current: 669 A			0		Dama and 1		<b>F</b>				Denal Trifela	
Lighting Other		4.67 kVA 8.95 kVA	100.00% 85.00%	14.67 kVA 50.10 kVA			n. Current: 669 A nd Current: 590 A	Load Classificati	on	Connecte		Demand F			nated De			Panel Totals	
Power		8.95 KVA ).36 kVA	100.00%	0.36 kVA		ai ESI. Deinar		Lighting		13.67		100.00			13.67 kV		Tatal A		
Receptacle		7.32 kVA	60.57%	28.66 kVA				Other		1.00 k		85.00%			0.85 kVA			nn. Load: 14.89 kVA	
	0.32 kVA		100.00%	0.32 kVA				Spare		0.22 k	VA	100.00	70		0.22 kV/	۱		Demand: 14.74 kVA	
Spare	U.32 KVA	۱	100.00%	0.32 KVA													i otal Conn	. Current: 18 A	

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

Bra	nch Panel: 899-LP-	1-02	)														
	Location: ELEC CLOSET 1 Supply From: 899-HP-XFMR-0 Mounting: Surface Enclosure: Type 1		3			Volts: Phases: Wires:	3	3 Wye &	A.I.C. Rating: 22kAIC Mains Type: M.C.B Mains Rating: 250 A MCB Rating: 225 A								
Notes:																	
СКТ	Circuit Description	Trip	Poles		A		B		с	Poles	Trip	Circuit Descrip	tion	СКТ			
899-LP-1-02#1	GUTTER ICING CP (GFCI BRK.)	20 A	20 A	1	0.20 kVA	0.19 kVA					2	15 Δ	BSB UNITS 2#12 & 1#120	G - 3///"C	899-LP-1-02#2		
899-LP-1-02#3	EXTERIOR LIGHTING	20 A	1			0.50 kVA	0.19 kVA				13 A		0 - 3/4 0	899-LP-1-02#4			
899-LP-1-02#5	LOBBY/CONF. RM. LIGHTING	20 A	1					0.50 kVA	0.25 kVA		00.4			899-LP-1-02#6			
899-LP-1-02#7			_	0.49 kVA	0.25 kVA					2	20 A	CIRC PUMP 2#12 & 1#12	2G - 3/4°C	899-LP-1-02#8			
899-LP-1-02#9	AC UNITS 2#10 & 1#10G - 3/4"C	20 A	2			0.49 kVA	0.50 kVA					GUTTER DE-ICING (GFC	BRK) 2#10	899-LP-1-02#1			
899-LP-1-02#11	GUTTER DE-ICING (GFCI BRK.) 3#10							0.50 kVA	0.50 kVA	2	30 A	& 1#10G - 3/4"C	$\int D(\mathbf{R}) 2\pi 10$	899-LP-1-02#1			
899-LP-1-02#13	& 1#10G - 3/4"C	30 A	2	0.50 kVA	1.32 kVA									899-LP-1-02#1			
899-LP-1-02#15				KVA	KVA	0.64	1.32			2	20 A	HEAT MAT KPREP 2 - 2# 3/4"C (GFCI BREAKER)	10 & 1#10G -	899-LP-1-02#1			
899-LP-1-02#17	AC UNITS 2#10 & 1#10G - 3/4"C	20 A	2			kVA	kVA	0.64	0.86					899-LP-1-02#1			
899-LP-1-02#19				7.58	0.86			kVA	kVA	2	20 A	AC UNITS 2#10 & 1#10G	- 3/4"C	899-LP-1-02#2			
		400.4		kVA	kVA	7.22	1.94										
899-LP-1-02#21	899-LP-1-02A -	100 A	3			kVA	kVA	7.36	1.94	2	30 A	HEAT MAT KPREP 1 - 2# 3/4"C (GFCI BREAKER) -		899-LP-1-02#2			
899-LP-1-02#23	HEAT TRACING - ITEM A8 (GFCI			0.40	2.11			kVA	kVA					899-LP-1-02#2			
899-LP-1-02#25	BRK.)	20 A	1	kVA	kVA	0.00	2.09			-				899-LP-1-02#2			
899-LP-1-02#27	Spare	20 A	1			kVA	kVA	1.10	0.50	3	45 A	899-LP-1-05		899-LP-1-02#2			
899-LP-1-02#29	HEAT MAT STAFF LOUNGE 2#12 &	20 A	2					1.19 kVA	2.50 kVA					899-LP-1-02#3			
899-LP-1-02#31	1#12G - 3/4"C (GFCI BRK.)			1.19 kVA	0.40 kVA					1	20 A	HEAT TRACING - ITEM A BRK.)	A8 (GFCI	899-LP-1-02#3			
899-LP-1-02#33	Spare	20 A	1			0.00 kVA	1.32 kVA			2	20 A	HEAT MAT PRESCHOOL		899-LP-1-02#3			
899-LP-1-02#35	HEAT TRACING - ITEM A8 (GFCI BRK.)	20 A	1					0.40 kVA	1.32 kVA	2	20 A	1#12G - 3/4"C (GFCI BRF	<.)	899-LP-1-02#3			
899-LP-1-02#37	HEAT MAT KPREP 2 - 2#12 & 1#12G -			1.32 kVA	1.94 kVA							HEAT MAT PRESCHOOL	. 2#10 &	899-LP-1-02#3			
899-LP-1-02#39	3/4"C (GFCI BREAKER)	20 A	2			1.32 kVA	1.94 kVA			2	30 A	1#10G - 3/4"C (GFCI BR		899-LP-1-02#4			
899-LP-1-02#41	HEAT MAT PRESCHOOL 2#12 &							1.32 kVA	1.94 kVA			HEAT MAT PRESCHOOL	2#10.8	899-LP-1-02#4			
899-LP-1-02#43	1#12G - 3/4"C (GFCI BRK.)	20 A	2	1.32 kVA	1.94 kVA					2	30 A	1#10G - 3/4"C (GFCI BR		899-LP-1-02#4			
899-LP-1-02#45				KVA	KVA	1.94	0.00			1	20 A	Spare		899-LP-1-02#4			
899-LP-1-02#47	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4"C (GFCI BRK.) - ADD ALT.	30 A	2			kVA	kVA	1.94	0.00	1	20 A	Spare		899-LP-1-02#4			
899-LP-1-02#49	Spare	20 A	1	0.00	0.00			kVA	kVA	1	20 A	Spare		899-LP-1-02#5			
				kVA	kVA	0.00	0.00					· · · · · · · · · · · · · · · · · · ·					
899-LP-1-02#51	Spare	20 A	1			kVA	kVA	0.00	0.00	1	20 A	Spare		899-LP-1-02#5			
899-LP-1-02#53	Spare	20 A	1	0.00	0.00			kVA	kVA	1	20 A	Spare		899-LP-1-02#5			
899-LP-1-02#55	Spare	20 A	1	kVA	kVA	0.00	0.00			1	20 A	Spare		899-LP-1-02#5			
899-LP-1-02#57	Spare	20 A	1			0.00 kVA	0.00 kVA	0.00	0.00	1	20 A	Spare		899-LP-1-02#5			
899-LP-1-02#59	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-02#6			
899-LP-1-02#61	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare		899-LP-1-02#6			
899-LP-1-02#63	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-02#6			
899-LP-1-02#65	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-02#6			
Legend:			al Load: al Amps:		0 kVA 4 A		1 kVA 8 A		6 kVA 4 A								
Load Classification	on		nnected I		De	mand Fa			nated De			Panel	Totals				
HVAC Heating			4.35 kVA 31.65 kV			75.00% 100.00%			3.26 kV/ 31.65 kV			Total Conn. Load:					
Kitchen Equipment Lighting	t - Non-Dwelling Unit		2.40 kVA 1.00 kVA			90.00% 100.00%			2.16 kV/ 1.00 kV/			Total Est. Demand: Total Conn. Current:					
Other Power			7.98 kVA 0.36 kVA	١		85.00% 100.00%			6.78 kV/	4	То	tal Est. Demand Current:					
Receptacle			0.36 kV/ 18.82 kV/			76.57%			0.36 KV7 14.41 kV								

Rating:	22kAIC
s Type:	M.C.B
Rating:	250 A
Rating:	225 A
-	
Circuit	Description
ITC 0#4	2 8 1#120 2/4"0

Branch Panel:	899-LP-1-02A
Location:	ELEC CLOSET 17-1-013
Supply From:	899-LP-1-02
Mounting:	Surface
Enclosure:	Туре 1

	Location: ELEC CLOSET 17-1-013 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1							Wye & (	GRD			A.I.C. Rating: 22kAIC Mains Type: MLO Mains Rating: 100 A	
Notes:													
СКТ	Circuit Description	Trip	Poles		<b>A</b>		В		c	Poles	Trip	Circuit Description	СКТ
899-LP-1-02A#1	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.20 kVA	0.36 kVA					1	20 A	MEP/STORAGE RECEPTACLES	899-LP-1-02A#2
899-LP-1-02A#3	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1			0.20 kVA	0.54 kVA			1	20 A	STEM LAB RECEPTACLES	899-LP-1-02A#4
899-LP-1-02A#5	EXTERIOR RECEPTACLES - CLASSROOMS	20 A	1					0.36 kVA	0.60 kVA	1	20 A	STAFF LOUNGE PANTRY APPLIANCE	899-LP-1-02A#6
899-LP-1-02A#7	CLASSROOM RESTROOM RECEPTACLES	20 A	1	0.72 kVA	1.26 kVA					1	20 A	STORAGE RECEPTACLES	899-LP-1-02A#8
899-LP-1-02A#9	STAFF LOUNGE PANTRY APPLIANCE	20 A	1			0.60 kVA	1.20 kVA			1	20 A	STAFF LOUNGE PANTRY APPLIANCE	899-LP-1-02A#10
899-LP-1-02A#11	STAFF LOUNGE WIREMOLD	20 A	1					0.68 kVA	0.72 kVA	1	20 A	CLASSROOM RESTROOM RECEPTACLES	899-LP-1-02A#12
899-LP-1-02A#13	K-REP 1/2 CLASSROOM RECEPTACLES	20 A	1	1.44 kVA	0.18 kVA					1	20 A	PRINTER/COPIER RECEPTACLE	899-LP-1-02A#14
899-LP-1-02A#15	PRESCHOOL 1/2 CLASSROOM/RESTRM	20 A	1			1.44 kVA	0.18 kVA			1	20 A	PRINTER/COPIER RECEPTACLE	899-LP-1-02A#16
899-LP-1-02A#17	K-PREP 1 CLASSROOM RECEPTACLES	20 A	1					1.62 kVA	0.18 kVA	1	20 A	SECURITY/ACCESS DEVICE (ITEM A0	) 899-LP-1-02A#18
899-LP-1-02A#19	STAFF LOUNGE RECEPTACLES	20 A	1	0.36 kVA	0.72 kVA					1	20 A	CONFERENCE RM. RECEPTACLES	899-LP-1-02A#20
899-LP-1-02A#21	STEM LAB RECEPTACLES	20 A	1			0.36 kVA	0.72 kVA			1	20 A	CORRIDOR RECEPTACLES	899-LP-1-02A#22
899-LP-1-02A#23	STEM LAB RECEPTACLES	20 A	1					0.36 kVA	0.72 kVA	1	20 A	DIRECTORS OFFICE RECEPTACLES	899-LP-1-02A#24
899-LP-1-02A#25	K-REP 2 CLASSROOM RECEPTACLES	20 A	1	1.62 kVA	0.72 kVA					1	20 A	ROOF RECEPTACLES	899-LP-1-02A#26
899-LP-1-02A#27	PRE-SCHOOL 1 CLASSROOM RECEPTACLES	20 A	1			1.62 kVA	0.36 kVA			1	20 A	DOAS INTERNAL LIGHTING	899-LP-1-02A#28
899-LP-1-02A#29	PRESCHOOL 2 CLASSROOM RECEPTACLES	20 A	1					1.62 kVA	0.50 kVA	1	20 A	Receptacle	899-LP-1-02A#30
899-LP-1-02A#31		20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare	899-LP-1-02A#32
899-LP-1-02A#33	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-02A#34
899-LP-1-02A#35	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-02A#36
899-LP-1-02A#37	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare	899-LP-1-02A#38
899-LP-1-02A#39	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-02A#40
899-LP-1-02A#41	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-02A#42
	1		al Load:		kVA		kVA	7.36	i kVA		1	1	1
		Tota	I Amps:	63	3 A	60	A (	62	2 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	
Kitchen Equipment - Non-Dwelling Unit	2.40 kVA	90.00%	2.16 kVA	
Dther	0.94 kVA	85.00%	0.80 kVA	
Power	0.36 kVA	100.00%	0.36 kVA	
Receptacle	18.46 kVA	77.09%	14.23 kVA	
				Tota

PANEL SCHEDULE NOTES:

1. PROVIDE BMS INTERFACE IS LIMITED TO DISABLING FLOOR RADIANT HEAT COORDINATE EXACT CRITERIA/WIRING REQUIREMENTS WITH BMS VENDOR.

2. ALL WIRING SHALL BE 2#12 & 1#12G - 3/4"C UNLESS OTHERWISE NOTED.

3. ALL RUNS OF 75 FEET SHALL BE #10 AWG.

4. ENERGY METERS NOTED ON E-700 MAYBE INTEGRATED UNTO THE PANEL BOARD IN LIEU OF PROVIDING A SEPARATE WALL MOUNTED UNIT.

Panel	Totals
Total Conn. Load:	22.16 kVA
Total Est. Demand:	17.55 kVA
Total Conn. Current:	62 A
Total Est. Demand Current:	49 A

	Location: ELECTRICAL 17 Supply From: 899-HP-XFMR-02 Mounting: Surface Enclosure: Type 1				I	Volts: Phases: Wires:	3	3 Wye & (	GRD			A.I.C. Rating: 22kAIC Mains Type: M.C.B Mains Rating: 250 A MCB Rating: 225 A		
Notes:	1											Ι		I
СКТ	Circuit Description	Trip	Poles		<b>A</b>		B	(	C	Poles	Trip	Circuit Descrip	otion	СКТ
899-LP-1-01#1	FA PANEL 3#10 & 1#10G - 3/4"C (LOCKABLE TYP. BRK., SEE	30 A	1	0.18 kVA	0.03 kVA					2	20 A	899-AC-1-07- 2#12 & 1#1	2G -3/4"C	899-LP-1-01#2
899-LP-1-01#3	HEAT MAT TODDLER 2 3#8 & 1#10G - 3/4"C (GFCI BRK.)	30 A	2			2.26 kVA	0.03 kVA							899-LP-1-01#4
899-LP-1-01#5				0.05	4.70			2.26 kVA	0.50 kVA	1	20 A	899-TF-1-03		899-LP-1-01#6
899-LP-1-01#7	899-GXF-R-01 2#12 & 1#12G - 3/4"C	20 A	2	0.05 kVA	1.73 kVA	0.05	3.18			-		767-LP-1-03 (GENERATO	OR PANEL)	899-LP-1-01#8
899-LP-1-01#9						kVA	kVA	0.18	1.50	3	60 A	FOR FEEDER SIZE REF	ER TO	899-LP-1-01#1
899-LP-1-01#11	899-AC-1-05 2#12 & 1#12G -3/4"C	20 A	2	0.18	0.79			kVA	kVA					899-LP-1-01#1
899-LP-1-01#13				kVA	kVA	0.90	0.79			2	20 A	AC UNITS 2#10 & 1#10G	i - 3/4"C	899-LP-1-01#1
899-LP-1-01#15	AC UNITS 2#10 & 1#10G - 3/4"C	20 A	2			kVA	kVA	0.90	1.05					899-LP-1-01#1
899-LP-1-01#17				1.30	1.05			kVA	kVA	2	20 A	AC UNITS 2#10 & 1#10G	i - 3/4"C	899-LP-1-01#1
899-LP-1-01#19	HEAT MAT INFANT 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2	kVA	kVA	1.30	1.30							899-LP-1-01#2
899-LP-1-01#21 899-LP-1-01#23						kVA	kVA	2.26	1.30	2	20 A	HEAT MAT INFANT 3#12 3/4"C (GFCI BREAKER)	2 & 1#12G -	899-LP-1-01#2 899-LP-1-01#2
899-LP-1-01#25	HEAT MAT TODDLER 1 2#8 & 1#10G - 3/4"C (GFCI BRK.)	30 A	2	2.26	0.15			kVA	kVA					899-LP-1-01#2
899-LP-1-01#25				kVA	kVA	0.05	0.15			2	20 A	AC UNITS 2#10 & 1#10G	i - 3/4"C	899-LP-1-01#2
899-LP-1-01#29	899-TXF-R-02 2#12 & 1#12G - 3/4"C	20 A	2			kVA	kVA	0.05	0.00	1	30 A	ARCS PANEL 3#10 & 1#		899-LP-1-01#3
899-LP-1-01#31				0.05	0.25			kVA	kVA		50 A	(LOCKABLE TYP. BRK.,	SEE	899-LP-1-01#3
899-LP-1-01#33	-899-TXF-R-01 2#12 & 1#12G - 3/4"C	20 A	2	kVA	kVA	0.05	0.25			2	20 A	899-CU-1-06 2#12 & 1#12	2G - 3/4"C	899-LP-1-01#3
899-LP-1-01#35						kVA	kVA	0.05	0.25					899-LP-1-01#3
899-LP-1-01#37	BSB UNITS 2#12 & 1#12G - 3/4"C	20 A	2	0.05	0.25			kVA	kVA	2	20 A	CIRC PUMP 2#12 & 1#12	2G - 3/4"C	899-LP-1-01#3
899-LP-1-01#39				kVA	kVA	0.25	1.30							899-LP-1-01#4
899-LP-1-01#41	899-CU-1-07 2#12 & 1#12G- 3/4"C	20 A	2			kVA	kVA	0.25	1.30	2	20 A	HEAT MAT INFANT 2#12 3/4"C (GFCI BREAKER)	2 & 1#12G -	899-LP-1-01#4
899-LP-1-01#43				1.30	1.30			kVA	kVA					899-LP-1-01#4
899-LP-1-01#45	HEAT MAT INFANT 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2	kVA	kVA	1.30	1.30			2	20 A	HEAT MAT INFANT 2#1 3/4"C (GFCI BRE/		899-LP-1-01#4
899-LP-1-01#47						kVA	kVA	1.30	1.30					899-LP-1-01#4
899-LP-1-01#49	HEAT MAT INFANT 4 2#10 & 1#10G - 3/4"C (GFCI BREAKER)	20 A	2	1.30	1.30			kVA	kVA	2	20 A	HEAT MAT INFANT 2#1 3/4"C (GFCI BRE/		899-LP-1-01#5
899-LP-1-01#51				kVA	kVA	1.30 kVA	1.66 kVA					HEAT MAT MOVEMEN	T MATTERS	899-LP-1-01#5
899-LP-1-01#53	HEAT MAT INFANT 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2			KVA	KVA	1.30 kVA	1.66 kVA	2	20 A	2#10 & 1#10G - 3/4"C (0 ADD ALT.		899-LP-1-01#5
899-LP-1-01#55				2.26 kVA	1.83 kVA			KVA	KVA			HEAT MAT MOVEMEN	T MATTERS	899-LP-1-01#5
899-LP-1-01#57	HEAT MAT TODDLER 2 2#8 & 1#10G - 3/4"C (GFCI BRK.)	30 A	2		KV/Y	2.26 kVA	1.83 kVA			2	30 A	2#10 & 1#10G - 3/4"C (0 ADD ALT.	GFCI BRK.) -	899-LP-1-01#5
899-LP-1-01#59	HEAT MAT TODDLER 4 2#10 & 1#10G						KV/X	2.26 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-01#6
899-LP-1-01#61	- 3/4"C (GFCI BRK.)	30 A	2	2.26 kVA	0.00 kVA					1	20 A	Spare		899-LP-1-01#6
899-LP-1-01#63	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-01#6
899-LP-1-01#65	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-01#6
899-LP-1-01#67	Spare	20 A	1	0.00 kVA	0.00 kVA				-	1	20 A	Spare		899-LP-1-01#6
899-LP-1-01#69	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-01#7
899-LP-1-01#71	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-01#7
899-LP-1-01#73	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare		899-LP-1-01#7
899-LP-1-01#75	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-01#7
899-LP-1-01#77	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-01#7
899-LP-1-01#79	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare		899-LP-1-01#8
899-LP-1-01#81	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-01#8
899-LP-1-01#83	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-01#8
egend:			al Load: I Amps:	19.83 16	3 kVA 5 A		3 kVA 9 A		4 kVA 4 A					
<b>Load Classificatio</b>	on		<b>nected L</b> 7.55 kVA		Der	<b>nand Fa</b> 75.00%			n <b>ated De</b> 5.66 kVA			Panel	Totals	
Heating Dther		4	5.80 kV/ 7.41 kVA	Ą		100.00% 85.00%	)	4	15.80 kV/ 6.29 kV/	A		Total Conn. Load: Total Est. Demand:		
Receptacle			0.18 kVA			100.00%			0.18 kVA		Tot	Total Conn. Current: al Est. Demand Current:	169 A	

### Branch Panel: 899-LP-1-03 Location: Supply From: 899-LP-1-01

Branch Panel: 899-LP-1-01

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

Mounting: Surface Enclosure: Type 1

Notes: GENERATOR MOUNTED - NEMA 3R

СКТ	Circuit Description	Trip	Poles		4	E	В	(		Poles	Trip	Circuit Descrip	otion	СКТ
899-LP-1-03#1	GEN. DAMPER	20 A	1	0.08 kVA	0.08 kVA					1	20 A	GEN. HEATER		899-LP-1-03#2
899-LP-1-03#3	GEN. OUTLET/LTG.	20 A	1			0.18 kVA	1.50 kVA			2	30 A	BATT CHARGER AND B	LOCK 2#10 &	899-LP-1-03#4
899-LP-1-03#5	Spare	20 A	1					0.00 kVA	1.50 kVA		30 A	1#10G - 3/4"C		899-LP-1-03#6
899-LP-1-03#7	PORTABLE GEN. BATT CHARGER	30 A	2	1.50 kVA	0.08 kVA					1	20 A	PORTABLE GEN. HEAT	ER	899-LP-1-03#8
899-LP-1-03#9	AND BLOCK 2#10 & 1#10G - 3/4"C	30 A	2			1.50 kVA	0.00 kVA			1	20 A	Spare		899-LP-1-03#10
899-LP-1-03#11	Spare	20 A	1					0.00 kVA	0.00 kVA	1	20 A	Spare		899-LP-1-03#1
899-LP-1-03#13	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare		899-LP-1-03#14
899-LP-1-03#15	Space					0.00 kVA	0.00 kVA					Space		899-LP-1-03#10
899-LP-1-03#17	Space							0.00 kVA	0.00 kVA			Space		899-LP-1-03#1
		Tot	al Load:	1.73	kVA	3.18 kVA		1.50 kVA						
		Tota	I Amps:	15	5 A	27	ΥΑ	13	3 A	-				
Legend:														
Load Classification	on		nected L		Der	nand Fa	ctor		nated De			Panel	Totals	
Other			6.23 kVA			85.00%			5.29 kV <i>A</i>					
Receptacle			0.18 kVA			100.00%	)		0.18 kVA	4		Total Conn. Load:		
												Total Est. Demand:		
											Tet	Total Conn. Current:		
											101	al Est. Demand Current:	15 A	

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 approved or in accordance with applicable codes.

# A.I.C. Rating: 22kAIC Mains Type: M.C.B Mains Rating: 100 A MCB Rating: 60 A



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 **Gensier** 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

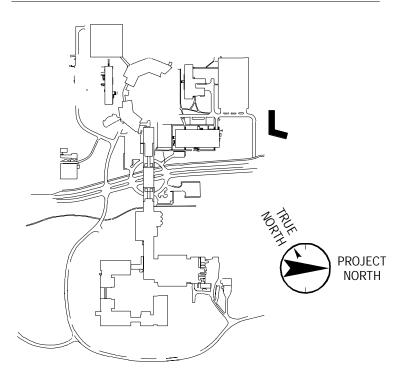
# Civil Engineer

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

Landscape Architect

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# 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 Drawn By: Author Discipline: ELECTRICAL SCHEDULES SHEET 1

Scale:



Alterations or additions to this engineering application specification sheet. All other matters shown are document by an unlicensed person is a violation not to be relied upon, or to be considered as either being || of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

# Branch Panel: 899-LP-1-04 Location: ELECTRICAL 17-1-041 Supply From: 899-HP-XFMR-04 Mounting: Surface Enclosure: Type 1





СКТ	Circuit Description	Trip	Poles		4		3		C	Poles	Trip	Circuit Description	СКТ
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	0.72			KVA	KVA	1	20 A	CLASSROOM RESTROOM RECEPTACLES	899-LP-1-04#8
899-LP-1-04#9	INFANT 1/2 CLASSROOM	20 A	1	kVA	kVA	1.44	0.20			1	20 A	SECURITY/ACCESS DEVICE (ITEM	899-LP-1-04#10
899-LP-1-04#11	RECEPTACLES	20 A	1			kVA	kVA	1.26	0.20	1	20 A	A0) SECURITY/ACCESS DEVICE (ITEM	899-LP-1-04#12
899-LP-1-04#13	RECEPTACLES WELLNESS APPLIANCE	20 A	1	1.20	1.26			kVA	kVA	1	20 A	A0) INFANT 1 CLASSROOM	899-LP-1-04#14
899-LP-1-04#15	OFFICE RECEPTACLES	20 A	1	kVA	kVA	0.36	0.54			1	20 A	RECEPTACLES TOILET RECEPTACLES	899-LP-1-04#16
899-LP-1-04#17	WARMING KITCHEN RECEPTACLES	20 A	1			kVA	kVA	0.36	2.00		-		899-LP-1-04#18
899-LP-1-04#19				2.00	2.00			kVA	kVA	2	50 A	DRYER RECEPTACLE 4#8 & 1#10G - 1"C	899-LP-1-04#20
899-LP-1-04#21	DRYER RECEPTACLE 4#8 & 1#10G - 1"C	50 A	2	kVA	kVA	2.00	12.45						899-LP-1-04#22
899-LP-1-04#23	WARMING KITCHEN RECEPTACLES	20 A	1			kVA	kVA	0.54	12.45	3	125 A	899-LP-1-04A	899-LP-1-04#24
899-LP-1-04#25	SECURITY/ACCESS DEVICE (ITEM	20 A	1	0.20	8.30			kVA	kVA				899-LP-1-04#26
	A0) WASHER RECEPTACLE	20 A	1	kVA	kVA	0.60	0.60			1	20 4	WARMING PANTRY APPLIANCE	899-LP-1-04#28
899-LP-1-04#29	WASHER RECEPTACLE	20 A	1			kVA	kVA	0.60	0.60	1	20 A	WASHER RECEPTACLE	899-LP-1-04#30
899-LP-1-04#31	OFFICE RECEPTACLES	20 A	1	0.36	0.54			kVA	kVA	1	20 A	MEP/STORAGE RECEPTACLES	899-LP-1-04#32
899-LP-1-04#33	MEP/STORAGE RECEPTACLES	20 A	1	kVA	kVA	0.72	1.08			1	20 A	CORRIDOR RECEPTACLES	899-LP-1-04#34
899-LP-1-04#35	WELLNESS RECEPTACLES	20 A	1			kVA	kVA	0.72	1.08	1	20 A	MOVEMENT MATTERS	899-LP-1-04#36
899-LP-1-04#37	WASHER RECEPTACLE	20 A	1	0.60	0.60			kVA	kVA	1	20 A	RECEPTACLES	899-LP-1-04#38
899-LP-1-04#39	TODDLER 3 CLASSROOM	20 A	1	kVA	kVA	1.26	1.26			1	20 A	INFANT 4 CLASSROOM	899-LP-1-04#40
899-LP-1-04#41	RECEPTACLES TODDLER 4 CLASSROOM	20 A	1			kVA	kVA	1.26	1.26	1	20 A	RECEPTACLES TODDLER 1 CLASSROOM	899-LP-1-04#42
899-LP-1-04#43	RECEPTACLES	20 A	1	0.72	1.08			kVA	kVA	1	20 A	RECEPTACLES CLASSROOM RESTROOM	899-LP-1-04#44
899-LP-1-04#45	TODDLER 1/2 CLASSROOM	20 A	1	kVA	kVA	1.44	0.00			1	20 A	RECEPTACLES ASCO 920 RELAY '899-RC-01'	899-LP-1-04#4
899-LP-1-04#47	RECEPTACLES TODDLER 3/4 CLASSROOM	20 A	1			kVA	kVA	1.44	0.10	1	20 A	JCI ATS AND GEN MONITORING	899-LP-1-04#4
899-LP-1-04#49	RECEPTACLES TODDLER 2 CLASSROOM	20 A	1	1.26	1.26			kVA	kVA	1	20 A	PANEL INFANT 3 CLASSROOM	899-LP-1-04#50
899-LP-1-04#49	RECEPTACLES Spare	20 A	1	kVA	kVA	0.00	0.17			-	20 A	RECEPTACLES	899-LP-1-04#5
899-LP-1-04#51	Spare	20 A	1			kVA	kVA	0.00	0.17	3	40 A	KITCHEN APPLIANCE 'A5' 4#8 &	899-LP-1-04#52
899-LP-1-04#55	INFANT 3/4 CLASSROOM	20 A	1	1.44	0.17			kVA	kVA	5	40 A	1#10G - 3/4"C	899-LP-1-04#5
899-LP-1-04#55	RECEPTACLES	20 A	1	kVA	kVA	0.17	0.17						899-LP-1-04#50
	KITCHEN APPLIANCE 'A5' 4#8 &	40.4	2			kVA	kVA	0.17	0.17	3	40.4	KITCHEN APPLIANCE 'A5' 4#8 &	
899-LP-1-04#59	1#10G - 3/4"C	40 A	3	0.17	0.17			kVA	kVA	3	40 A	1#10G - 3/4"C	899-LP-1-04#60
899-LP-1-04#61		20.4	1	kVA	kVA	0.00	0.00			4	20.4	Spara	899-LP-1-04#62
899-LP-1-04#63	Spare	20 A	1			kVA	kVA	0.00	0.00	1	20 A	Spare	899-LP-1-04#64
899-LP-1-04#65	Spare	20 A	1	0.00	0.00			kVA	kVA	1	20 A	Spare	899-LP-1-04#66
899-LP-1-04#67	Spare	20 A	1	kVA	kVA	0.00	0.00			1	20 A	Spare	899-LP-1-04#68
899-LP-1-04#69	Spare	20 A	1			kVA	kVA	0.00	0.00	1	20 A	Spare	899-LP-1-04#70
899-LP-1-04#71	Spare	20 A	1	0.00	0.00			kVA	kVA	1	20 A	Spare	899-LP-1-04#72
899-LP-1-04#73	Spare	20 A	1	kVA	kVA	0.00	0.00			1	20 A	Spare	899-LP-1-04#74
899-LP-1-04#75	Spare	20 A	1			kVA	kVA	0.00	0.00	1	20 A	Spare	899-LP-1-04#76
899-LP-1-04#77	Spare	20 A	1	0.00	0.00			kVA	kVA	1	20 A	Spare	899-LP-1-04#78
899-LP-1-04#79	Spare	20 A	1	kVA	kVA	0.00	0.00			1	20 A	Spare	899-LP-1-04#80
899-LP-1-04#81	Spare	20 A	1			kVA	kVA	0.00	0.00	1	20 A	Spare	899-LP-1-04#82
899-LP-1-04#83	Spare	20 A	1 al Load:		5 kVA	25.35		kVA	kVA 7 kVA	1	20 A	Spare	899-LP-1-04#84

ication	Connected Load	Demand Factor	Estimated Demand	
ment - Non-Dwelling Unit	5.10 kVA	65.00%	3.32 kVA	
	42.56 kVA	85.00%	36.18 kVA	Тс
	28.32 kVA	67.66%	19.16 kVA	Tot
	0.10 kVA	100.00%	0.10 kVA	Tota
				Total Est. D

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
		Tota	al Load:	25.36	5 kVA	25.35	5 kVA	25.37	7 kVA					
		21	1 A	21	1 A	21	1 A	,						
Legend:														
Load Classification	n	Con	nected L	oad	Der	mand Fa	ctor	Estim	ated De	mand		Panel	Totals	
Kitchen Equipment	- Non-Dwelling Unit		5.10 kVA	1		65.00%			3.32 kVA	١				
Other		4	12.56 kV	4		85.00%		3	36.18 kV/	4		Total Conn. Load:	76.08 kVA	
Receptacle		2	28.32 kV/	4		67.66%		1	9.16 kV/	4		Total Est. Demand:	58.75 kVA	
Spare			0.10 kVA			100.00%	)		0.10 kVA	1		Total Conn. Current:	211 A	
											Tot	al Est. Demand Current:	163 A	

PANEL SCHEDULE NOTES:

1. ALL WIRING SHALL BE 2#12 & 1#12G - 3/4"C UNLESS OTHERWISE NOTED.

2. ALL RUNS OF 75 FEET SHALL BE #10 AWG.

3. ENERGY METERS NOTED ON E-700 MAYBE INTEGRATED UNTO THE PANEL BOARD IN LIEU OF PROVIDING A SEPARATE WALL MOUNTED UNIT.

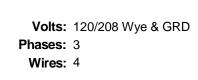
# A.I.C. Rating: 22kAIC Mains Type: M.C.B Mains Rating: 250 A MCB Rating: 225 A

# Branch Panel: 899-LP-1-05 Location: TELE/DATA 17-1-027 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1

Notes

Other

Receptacle



СКТ	<b>Circuit Description</b>	Trip	Poles		Α		В		С	Poles	Trip	Circuit Description	СКТ
899-LP-1-05#1	BMS 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-1-05#2
899-LP-1-05#3	SECURITY PANEL (LOCKABLE TYP. BRK., SEE NOTE#1)	20 A	1			0.18 kVA	1.16 kVA			1	20 A	TELE/DATA RECEPTACLES	899-LP-1-05#4
899-LP-1-05#5	TELE/DATA RECEPTACLES	20 A	1					1.00 kVA	0.75 kVA	- 2	30 A	L6-30R IT RECEPTACLE 2#10 & 1#10G	899-LP-1-05#6
899-LP-1-05#7	IT RECEPTACLE L5-20R	20 A	1	1.00 kVA	0.75 kVA						30 A	- 3/4"C (UPS UNIT)	899-LP-1-05#8
899-LP-1-05#9	L6-30R IT RECEPTACLE 2#10 & 1#10G	30 A	2			0.75 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-05#10
899-LP-1-05#11	- 3/4"C (UPS UNIT)	30 A	2					0.75 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-05#12
899-LP-1-05#13	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare	899-LP-1-05#14
899-LP-1-05#15	Spare	20 A	1			0.00 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-05#16
899-LP-1-05#17	Space							0.00 kVA	0.00 kVA			Space	899-LP-1-05#18
	· · · · · · · · · · · · · · · · · · ·	Tota	al Load:	2.11	kVA	2.09	kVA	2.50	kVA		1		
		Tota	I Amps:	18	3 A	17	7 A	2'	1 A				
Legend:													
Load Classificati	on	Con	nected L	oad	Dei	mand Fa	ctor	Estin	nated De	emand		Panel Totals	

85.00%

100.00%

Connected Lo 6.34 kVA 0.36 kVA stimated Demand 5.39 kVA 0.36 kVA

PANEL 899-LP-1-05 NOTE:

1. 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 Wye & GRD Phases: 3 Wires: 4

			1					1		1			
СКТ	Circuit Description	Trip	Poles		Α		В		С	Poles	Trip	Circuit Description	СКТ
899-LP-1-04A#1		50 4	2	4.15 kVA	4.15 kVA					2	50 4		899-LP-1-04A#
899-LP-1-04A#3	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-1-04A#
899-LP-1-04A#5		50 4	2					4.15 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-04A#
899-LP-1-04A#7	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA					1	20 A	Spare	899-LP-1-04A#
899-LP-1-04A#9		50.4				4.15 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-04A#1
899-LP-1-04A#11	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2					4.15 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-04A#1
899-LP-1-04A#13	Spare	20 A	1	0.00 kVA	0.00 kVA					1	20 A	Spare	899-LP-1-04A#1
899-LP-1-04A#15	Spare	20 A	1			0.00 kVA	0.00 kVA					Space	899-LP-1-04A#1
899-LP-1-04A#17	Space							0.00 kVA	0.00 kVA			Space	899-LP-1-04A#1
		Tot	al Load:	12.4	5 kVA	12.4	5 kVA	8.30	kVA				
		Tota	I Amps:	10	9 A	10	9 A	69	A 6				
Legend:													
Load Classification	on	Con	nected L	oad	Dei	mand Fa	ctor	Estin	nated De	mand		Panel Totals	

85.00%

28.22 kVA

PANEL 899-LP-1-04A NOTES:

1. RUN TWO EV CAR CHARGERS POWER FEED IN A SINGLE CONDUIT WITH 4#6 & 1#6G - 1 1/4"C.

33.20 kVA

2. 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.

# A.I.C. Rating: 22kAIC Mains Type: MLO Mains Rating: 100 A

### Panel Totals Total Conn. Load: 6.70 kVA Total Est. Demand: 5.75 kVA Total Conn. Current: 19 A Total Est. Demand Current: 16 A

A.I.C. Rating: Mains Type: Mains Rating:	MLO

Total Conn. Load:	33.20 kVA
Total Est. Demand:	28.22 kVA
Total Conn. Current:	92 A
Total Est. Demand Current:	78 A

# REGENERON REAL ESTATE & FACILITIES MANAGEMENT

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Structural Engineer

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MEP / IT / Security Engineer Cosentini Associates 498 Seventh Avenue New York, NY 10018

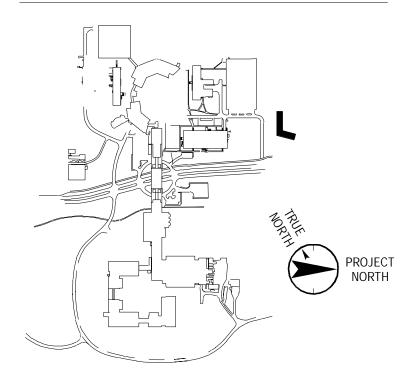
(212) 615-3600 Phone (212) 615-3700 Fax Civil Engineer

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

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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

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Plot Date: 12/02/21

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

Floor:

Scale:

Alterations or additions to this engineering application specification sheet. All other matters shown are document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

CONTROL ZONE	DESCRIPTION	FIXTURE TYPE		NG CONT . NON-DIM	ELV	0-10V		WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS
<b>7-1-001 - VH</b> LZ1	ESTIBULE DOWNLIGHTS	LS1	4			X	10	PER FIXT.	40W	1	
<b>7-1-002 - LC</b> LZ2	DBBY / RECEPTION RECESSED ADJUSTABLE DOWNLIGHTS	LD2	14			X	24	PER FIXT.	336W	1	
LZ3 LZ4	RECESSED ADJUSTABLE DOWNLIGHTS PENDANTS	LD2 LP3	7 3			X X X	24 10	PER FIXT. PER FIXT.	168W 30W	1 1	
LZ102	RECESSED DOWNLIGHT RECTOR'S OFFICE	LD1				X	15	PER FIXT.	15W		
LZ5	DOWNLIGHTS	LD1	6			X	15	PER FIXT.	90W	1	
LZ6 LZ7	DOWNLIGHTS PENDANTS	LD1 LP3	42			X X	15 10	PER FIXT. PER FIXT.	60W 20W	1 1	
7-1-005 - ST LZ8	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64	PER FIXT.	64W	1	
LZ8 LZ8 LZ9	2X4 CEILING GRID INTEGRATED LIGHTING4X4 CEILING GRID INTEGRATED LIGHTING2X2 CEILING GRID INTEGRATED LIGHTING	LR3 LR4 LR2	2 1 1			X X X X	96 128 64	PER FIXT.PER FIXT.PER FIXT.	192W 128W 64W	1 1 1	
LZ9 LZ9	2X4 CEILING GRID INTEGRATED LIGHTING 4X4 CEILING GRID INTEGRATED LIGHTING	LR3 LR4	2 1			X X	96 128	PER FIXT. PER FIXT.	192W 128W	1 1	
<b>7-1-006 - JC</b> LZ10	2X4 RECESSED	LR1	1	X			50	PER FIXT.	50W	1	
<b>7-1-007 - ST</b> LZ11	<b>EM STORAGE</b> 2X4 RECESSED	LR1	1	X		X	50	PER FIXT.	50W	1	
<b>7-1-008 - CO</b> LZ12	DPY / WORK DOWNLIGHTS	LD1	4			X	15	PER FIXT.	60W	1	
<b>7-1-009 - ST</b> LZ13	2X4 RECESSED	LD1	2			X	15	PER FIXT.	30W	1	
LZ14	11 - STAFF LOUNGE / LEARNING RESOURC 2X4 CEILING GRID INTEGRATED LIGHTING 2X2 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT.	192W	1	
LZ14 LZ15	2X2 CEILING GRID INTEGRATED LIGHTING PENDANTS	LR2 LP2	2 4			X X	64 30	PER FIXT. PER FIXT.	128W 120W		
1 <b>7-1-012 - ST</b> LZ16	2X4 RECESSED	LR1	1	X			50	PER FIXT.	50W	1	
	LECTRICAL CLOSET LINEAR LED SURFACE OR SUSPENDED	A	1	X			50	PER FIXT.	50W	1	
LZ18 LZ19	<b>RESCHOOL 1</b> 2X2 CEILING GRID INTEGRATED LIGHTING2X4 CEILING GRID INTEGRATED LIGHTING	LR2 LR3	23			X X	64 96	PER FIXT. PER FIXT.	128W 288W	1 1	
LZ18 LZ20	4X4 CEILING GRID INTEGRATED LIGHTING PENDANTS	LR4 LP2	1 3			X X	128 30	PER FIXT. PER FIXT.	128W 90W	1	
LZ21 LZ22 LZ23	PENDANTS TOILET DOWNLIGHTS TOILET DOWNLIGHTS	LP2 LD1 LD1	6 1 1	X X X		X	30 15 15	PER FIXT. PER FIXT. PER FIXT.	180W 15W 15W	1 1 1	
LZ24 <b>7-1-015 - PR</b>	STORAGE DOWNLIGHT RESCHOOL 2	LD1	1	X			15	PER FIXT.	15W	1	
LZ25 LZ26	2X2 CEILING GRID INTEGRATED LIGHTING2X4 CEILING GRID INTEGRATED LIGHTING	LR2 LR3	2 3			X X X	64 96	PER FIXT. PER FIXT.	128W 288W	1	
LZ25 LZ27 LZ28	4X4 CEILING GRID INTEGRATED LIGHTING PENDANTS PENDANTS	LR4 LP2 LP2	1 3 6			X X X X	128 30 30	PER FIXT.PER FIXT.PER FIXT.	128W 90W 180W	1 1 1	
LZ29 LZ30 LZ31	TOILET DOWNLIGHTS         TOILET DOWNLIGHTS         STORAGE DOWNLIGHT	LD1 LD1 LD1	1 1 1	X X X X			15 15 15	PER FIXT. PER FIXT. PER FIXT.	15W 15W 15W	1 1 1	
<b>7-1-016 - K-</b> LZ32	PREP 1 2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
LZ33 LZ32 LZ34	2X4 CEILING GRID INTEGRATED LIGHTING 4X4 CEILING GRID INTEGRATED LIGHTING PENDANTS	LR3 LR4 LP2	3 1 3			X X X X	96 128 30	PER FIXT. PER FIXT. PER FIXT.	288W 128W 90W	1 1 1	
LZ34 LZ35 LZ36	PENDANTS PENDANTS TOILET DOWNLIGHTS	LP2 LD1	5           6           1	X		X	30 30 15		180W 15W	1 1 1	
LZ37 LZ38	TOILET DOWNLIGHTS STORAGE DOWNLIGHT	LD1 LD1	1	X X			15 15	PER FIXT. PER FIXT.	15W 15W	1 1	
LZ39 LZ40	PREP 2 2X2 CEILING GRID INTEGRATED LIGHTING 2X4 CEILING GRID INTEGRATED LIGHTING	LR2 LR3	2			X X	64 96	PER FIXT. PER FIXT.	128W 288W	1	
LZ39 LZ41	4X4 CEILING GRID INTEGRATED LIGHTING PENDANTS	LR4 LP2	1 3			X X	128 30	PER FIXT. PER FIXT.	128W 90W	1 1 1	
LZ42 LZ43 LZ44	PENDANTS TOILET DOWNLIGHTS TOILET DOWNLIGHTS	LP2 LD1 LD1	6 1 1	X X X		X	30 15 15	PER FIXT. PER FIXT. PER FIXT.	180W 15W 15W	1 1 1	
LZ45 <b>7-1-018 - PL</b>	STORAGE DOWNLIGHT	LD1	1	X			15	PER FIXT.	15W	1	
LZ46	LINEAR LED SURFACE OR SUSPENDED	A	3	X			50	PER FIXT.	150W	1	
LZ47	2X4 RECESSED	LR1	2	X			50	PER FIXT.	100W	1	
1 <b>7-1-020 - CO</b> LZ48 LZ49	DRRIDOR         LED SURFACE MOUNTED DOWNLIGHT         LED SURFACE MOUNTED DOWNLIGHT	LS1 LS1	21 20			X X	10 10	PER FIXT. PER FIXT.	210W 200W	1 1	
<b>7-1-021 - CO</b> LZ105	DRRIDOR LED SURFACE MOUNTED DOWNLIGHT	LD1	4			X	15	PER FIXT.	60W	1	
<u>7-1-022 - C(</u> LZ50	DRRIDOR LED SURFACE MOUNTED DOWNLIGHT	LS1	20			X	10	PER FIXT.	200W	1	
LZ51 LZ107 LZ108	LED SURFACE MOUNTED DOWNLIGHT         LED SURFACE MOUNTED DOWNLIGHT         LED SURFACE MOUNTED DOWNLIGHT	LS1 LS1 LS1	21 4 5			X X X X	10 10 10	PER FIXT. PER FIXT. PER FIXT.	210W 40W 50W	1 1 1	
	OVEMENT MATTERS ZONE 2X2 CEILING GRID INTEGRATED LIGHTING	LR2					64	PER FIXT.	64W	1	
LZ52 LZ52	2X4 CEILING GRID INTEGRATED LIGHTING 4X4 CEILING GRID INTEGRATED LIGHTING	LR3 LR4	2 1			X X	96 128	PER FIXT. PER FIXT.	192W 128W	1 1 1	
LZ53 LZ53	2X2 CEILING GRID INTEGRATED LIGHTING 2X4 CEILING GRID INTEGRATED LIGHTING	LR2 LR3	2 2			X X	64 96	PER FIXT. PER FIXT.	128W 192W	1	
2 <b>7-1-024 - ST</b> LZ106	2X4 RECESSED	LR1	1	X			50	PER FIXT.	50W	1	
<b>7-1-025 - TC</b> LZ54	DILET RECESSED DOWNLIGHT	LD1	2	X			15	PER FIXT.	30W	1	
<b>7-1-026 - HI</b> LZ55	EALTH & SAFETY DIRECTOR RECESSED DOWNLIGHT	LD1	4			X	15	PER FIXT.	60W	1	
<b>7-1-027 - TE</b> LZ56	ELE / DATA LINEAR LED SURFACE OR SUSPENDED	A	1	X			50	PER FIXT.	50W	1	
<b>7-1-028 - C</b> A LZ57	AR SEAT AND STROLLER STORAGE RECESSED DOWNLIGHT	LD1	4	X			15	PER FIXT.	60W	1	
<b>7-1-029 - W</b> LZ58	ELLNESS RECESSED DOWNLIGHT	LD1	4	X			15	PER FIXT.	60W	1	
<b>.7-1-030 - T(</b> LZ59		LD1	2	X			15	PER FIXT.	30W	· · · ·	
-	DILET	· *				1				1	

CONTROL ZONE	DE
17-1-032 - IN	FANT 1
LZ80	2X2 CEILING GRID I
LZ80 LZ81	2X4 CEILING GRID I 2X4 CEILING GRID I
LZ81 LZ82	4X4 CEILING GRID I RECESSED DOWNL
LZ82 LZ83	WALL SCONCE
LZ84	TOILET INFANT 3 &
17-1-033 - IN	
LZ85 LZ85	2X2 CEILING GRID I 2X4 CEILING GRID I
LZ86 LZ86	2X4 CEILING GRID I 4X4 CEILING GRID I
LZ87	RECESSED DOWNL
LZ88	WALL SCONCE
17-1-034 - IN LZ89	FANT 3 2X2 CEILING GRID I
LZ89	2X4 CEILING GRID
LZ90 LZ90	2X4 CEILING GRID I 4X4 CEILING GRID I
LZ91	RECESSED DOWNL
LZ92 LZ93	WALL SCONCE TOILET INFANT 3 &
17-1-035 - IN	FANT A
LZ94	2X2 CEILING GRID
LZ94 LZ95	2X4 CEILING GRID
LZ95	4X4 CEILING GRID
LZ96 LZ97	RECESSED DOWNL WALL SCONCE
17-1-036 - TC	NDU ED 1
LZ61	2X2 CEILING GRID
LZ61 LZ62	2X4 CEILING GRID I 2X4 CEILING GRID I
LZ62	4X4 CEILING GRID
LZ63 LZ64	RECESSED DOWNL WALL SCONCE
LZ65	TOILET TODDLER 1
17-1-037 - TO	
LZ66 LZ66	2X2 CEILING GRID
LZ67 LZ67	2X4 CEILING GRID I 4X4 CEILING GRID I
LZ68 LZ69	RECESSED DOWNL WALL SCONCE
17-1-038 - TO LZ70	2X2 CEILING GRID
LZ70 LZ71	2X4 CEILING GRID
LZ71	4X4 CEILING GRID
LZ72 LZ73	RECESSED DOWNL WALL SCONCE
LZ74	TOILET TODDLER 3
17-1-039 - TC	
LZ75 LZ75	2X2 CEILING GRID I 2X4 CEILING GRID I
LZ76	2X4 CEILING GRID
LZ77 LZ78	4X4 CEILING GRID
LZ79	WALL SCONCE
17-1-040 - ST LZ101	ORAGE 2X4 RECESSED
17-1-041 - EI LZ103	LECTRICAL
17-1-042 - LA	
	2X4 RECESSED
<b>17-1-043 - W</b> LZ104	ATER HEATER LINEAR LED SURFA
17-1-044 - W	ARMING KITCHEN
LZ98 LZ99	2X4 RECESSED 2X4 RECESSED
EXTERIOR EZ1	BUILDING LIGHTI EXTERIOR WALL SO
EZ2 EZ3	EXTERIOR LIGHTIN EXTERIOR DOWNL
EZ3 EZ4	EXTERIOR DOWNL
EZ5 EZ6	EXTERIOR LED MO
	<u>GHTING CONTROL NO</u> LIGHTING CONTROL 2
n	ACCOMMODATE MAI COORDINATE EXACT

ANUFACTURER INDICATED MAXIMUM WATTAGE PER ZONE.

2. COORDINATE EXACT MOUNTING LOCATIONS/HEIGHTS OF LIGHTING DEVICES AND SWITCHES WITH ARCHITECT/OWNER. 3. CONTRACTOR TO PROVIDE ALL INSTALLATION, WIRING, LIGHTING CONTROLS DEVICES, MOUNTING ACCESSORIES AND ALL NECESSARY REQUIRED COMPONENTS FOR SUCCESSFUL, COMPLETE AND FULLY FUNCTIONING, CODE COMPLIANT INSTALLATION.

5. CONTRACTOR TO CONFIRM FIXTURE DIMMING DRIVER COMPATIBILITY WITH APPROVE LIGHTING FIXTURE SUBMITTALS.

6. COMMISSIONING AND PROGRAMMING OF THE LIGHTING CONTROL SYSTEM IS REQUIRED. PROGRAMMING OF PRESET SCENES AND DIMMING LEVELS SHALL BE UNDER THE DIRECTION OF THE ARCHITECT AND/OR LIGHTING DESIGNER AND OWNER. SYSTEM WILL BE TURNED OVER BY THE CONTRACTOR

IN COMPLETE WORKING CONDITION.

7. CONTRACTOR TO LOCATE ALL CONTROLS EQUIPMENT ACCESSIBLE AND VENTILATED LOCATION NEAR ASSOCIATED FIXTURES AS PER MANUFACTURERS INSTRUCTIONS.

8. CONFIRM ALL ZONING AND LIGHTING CONTROLS VIA SHOP DRAWINGS PRIOR TO LIGHT FIXTURE AND WIRING INSTALLATION.

		HTIN	IG CONT	ROL ZC	DNE LOA	AD SC	CHEDULE			
ESCRIPTION	FIXTURE TYPE	QTY.	NON-DIM	ELV	0-10V	1	WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS
			·							
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT.	96W	1	
INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT.	192W	1	
INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT.	128W	1	
IGHT	LD1 LS2	2			X X	15 10	PER FIXT. PER FIXT.	30W 10W	1	
4	LD1	6	X			15	PER FIXT.	90W	1	
	I				1				1	
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR2 LR3	1			X	96	PER FIXT.	96W	1	
INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT.	192W	1	
INTEGRATED LIGHTING	LR4	1			Х	128	PER FIXT.	128W	1	
IGHT	LD1	2			X	15	PER FIXT.	30W	1	
	LS2	1			X	10	PER FIXT.	10W	1	
					1	ī			1	1
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3 LR3	1 2			X X	96 96	PER FIXT. PER FIXT.	96W 192W	1	
INTEGRATED LIGHTING	LR3 LR4	1			X X	128	PER FIXT.	192 W 128 W	1	
IGHT	LD1	2			X	15	PER FIXT.	30W	1	
	LS2	1			X	10	PER FIXT.	10W	1	
4	LD1	6	X			15	PER FIXT.	90W	1	
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT.	96W	1	
INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT.	192W	1	
INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT.	128W	1	
IGHT	LD1 LS2	2			X X	15 10	PER FIXT. PER FIXT.	30W 10W	1	
		1			1	10		10 00	1	
					1	T			т	1
INTEGRATED LIGHTING	LR2 LR3	2			X X	64 96	PER FIXT. PER FIXT.	128W 96W	1	
INTEGRATED LIGHTING	LR3	2			X X	96	PER FIXT.	96 W 192 W	1	
INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT.	192 W	1	
IGHT	LD1	2			X	15	PER FIXT.	30W	1	
<u> </u>	LS2	1			X	10	PER FIXT.	10W	1	
& 2	LD1	6	X			15	PER FIXT.	90W	1	
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT.	96W	1	
INTEGRATED LIGHTING	LR3 LR4	2			X X	96 128	PER FIXT. PER FIXT.	192W 128W	1	
IGHT	LD1	2			X	128	PER FIXT.	30W	1	
	LS2	1			X	10	PER FIXT.	10W	1	
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3	1			X	96	PER FIXT.	96W	1	
INTEGRATED LIGHTING	LR3	2			X	96	PER FIXT.	192W	1	
INTEGRATED LIGHTING	LR4	1			X	128	PER FIXT.	128W	1	
IGHT	LD1	2			X	15	PER FIXT.	30W	1	
& 4	LS2 LD1	1 6	X		X	10 15	PER FIXT. PER FIXT.	10W 90W	1	
						10			-	
					1	1			1	1
INTEGRATED LIGHTING	LR2	2			X	64	PER FIXT.	128W	1	
INTEGRATED LIGHTING	LR3 LR3	1 2			X X	96 96	PER FIXT. PER FIXT.	96W 192W	1 1	
INTEGRATED LIGHTING	LR3	1			X	128	PER FIXT.	192 W	1	
IGHT	LD1	2			X	15	PER FIXT.	30W	1	
	LS2	1			X	10	PER FIXT.	10W	1	
	LR1	2	X			50	PER FIXT.	100W	1	
										1
CE OR SUSPENDED	A	4	X			50	PER FIXT.	200W	1	
	LR1	1	X			50	PER FIXT.	50W	1	
CE OR SUSPENDED	A	1	X			50	PER FIXT.	50W	1	
	I	I			I				I	1
1		-					DED	4 = ^		1
	LR1 LR1	3			X X	50 50	PER FIXT. PER FIXT.	150W 200W	l   1	
		-			Λ	50		200 W	1	<u> </u>
NG			· · ·		1		·		1	1
CONCE PER CIVIL DRAWINGS	SL2	18	X			52	PER FIXT.	936W	1	REFER TO CIVIL DRAWINGS FOR SPECS.
		- 20	1		X	10	PER LIN. FT	200W	1	
G AT SIGNAGE	LX2	20				15	PEDIN ET	30W	1	
	LX3	20 2 12	X		X	15 63	PER LIN. FT PER FIXT.	30W 756W	1	REFER TO CIVIL DRAWINGS FOR SPECS.
IG AT SIGNAGE IGHT AT ENTRY SOFFIT	LX3	2	X X X			-			1 1 1	REFER TO CIVIL DRAWINGS FOR SPECS. REFER TO CIVIL DRAWINGS FOR SPECS.

OTES:

OL ZONE LOAD SCHEDULE IS INDICATIVE OF LIGHTING DESIGN CONTROL INTENT ONLY, ADDITIONAL ZONES MAY BE REQUIRED TO

4. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DEVICE QUANTITIES.

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		Langan 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 (212) 479-5400 Phone (212) 479-5444 Fax
		Key Plan
REFER TO CIVIL DRAWINGS FOR SPECS. REFER TO CIVIL DRAWINGS FOR SPECS. REFER TO CIVIL DRAWINGS FOR SPECS.		PROJECT NORTH
REFER TO CIVIL DRAWINGS FOR SPECS.		No. Date Description 0 05.20.2022 ISSUED FOR PERMIT
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		Professional Seal and Signature
		Vendor Name: GENSLER Vendor Project No.: 006.3608.000 Discipline: Drawn By: Author ELECTRICAL SCHEDULES SHEET 3
s approved only for work indicated on the specification sheet. All other matters shown are lied upon, or to be considered as either being r in accordance with applicable codes	of Chapter 16, Title VIII, Article 145 § 7209.2 of	Scale: 12" = 1'-0" Floor: E-602
r in accordance with applicable codes.	the New York State Education Law.	

REGENERON

REAL ESTATE & FACILITIES MANAGEMENT

								URE II	NPUT	
ТҮРЕ	FIXTURE DESCRIPTION	LOCATION	MANUFACTURER	CATALOG NUMBER	FINISH	LAMPING	VOLTAGE	WATTS	UNITS	REMARKS
A	SURFACE OR PENDANT MOUNTED LED ( LINEAR STRIP LIGHT WITH NOMINAL 4' LONG HOUSING, DIFFUSING LENS, AND INTEGRAL DRIVER.	GENERAL	COOPER-METALUX	INDUSTRIAL LED LINEAR BAY #4-ILED-[]-LD5-5-W-TBW-UNV- L835-CD	PER ARCHITECT	LED 3500K 5000 LM	UNV	50	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDAR TYPE LT-41.
В	SURFACE MOUNTED LED VAPORTIGHT F FIXTURE, WITH GUARDED 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-L15-930-D-N- (INTEGRATED DRIVER 277V-01-0V CONTROL-2 & TRIM #E4PS-F-R-D-930-6-[FINISH]- [FINISH]	PER ARCHITECT	LED 3000K 1500 LM	277	15	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDAR TYPE LT-56.
.D2	CEILING RECESSED AJUSTABLE DOWNLIGHT WITH NOMINAL 4 INCH SQUARE APERTURE AND 6 INCH RECESSED DEPTH, WITH DIFFUSED SOLITE LENS, 40 DEGREE BEAM, 0-40 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-F-R-A-[FINISH]-[FINISH] & #353E4LEDCOPT-25	PER ARCHITECT	LED 3000K 1800 LM	277	24	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDAR TYPE LT-56.
		PRE-K CLASSROOM	SPECTRUM	PICO PENDANT #C0455SQXT-[OUTPUT TO BE CONFIRMED]-30K-XW-DS10X- FG-PM-[FINISH]	PER ARCHITECT	LED 3000K 3000 LM	277V	30	PER FIXT.	ALLOW UP TO 30W EACH.
_P3	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	MILO #700TDMLO-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- U-DP-1-[MOUNTING]	PER ARCHITECT	LED 3500K 5000 LM	UNV	50	PER FIXT.	FIXTURE UPDATED MODEL OF REGENERON STANDAR 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-[2X2 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 SUBJEC TO WATTAGE AND CONTROL SYSTEM LIMITATIONS.
.R3	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-[2X4 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 SUBJEC 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 SUBJEC TO WATTAGE AND CONTROL SYSTEM LIMITATIONS.
_S1	SQUARE SURFACE MOUNTED I 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.	NFANT CORRIDOR	JUNO	SLIMFORM LED #JSFSQ-5IN07LM-30K-90CRI- MVOLT-ZT-WH	PER ARCHITECT	LED 3000K 700 LM	UNV	10	PER FIXT.	
_S2		NFANT CLASSROOM	SPECTRUM	PICO SCONCE #C0455QXT-10L-30K-XW- DS10X-FG-WM3-[FINISH]	PER ARCHITECT	LED 3000K 1000 LM	277V	10	PER FIXT.	MOUNT FIXTURE IN COMPLIANCE WITH ALL AD REQUIREMENTS.
	MOUNTED LINEAR LED DOWNLIGHT	EXTERIOR ENTRY SIGNAGE WALL	SELUX	M60 #L602-1C40-930-[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	DOWNLIGHT WITH NOMINAL 4 INCH SQUARE APERTURE AND 3.5 INCH	EXTERIOR ENTRY VESTIBULE SOFFIT	TECH LIGHTING	ELEMENT 4" HOUSING E4PH #E4PS-F-L15-930-D-I [WET LOCATION]-(INTEGRATED DRIVER 277V-01-0V CONTROL-2 & TRIM #E4PS-F-R-D-930-6-[FINISH]- [FINISH]	PER ARCHITECT	LED 3000K 1500 LM	277	15	PER FIXT.	PROVIDE WITH INTEGRAL DIMMABLE 0-10V DRIVER AND CONTROLS.

2. ALL LUMEN OUTPUTS INDICATED REFERENCE DELIVERED LUMENS. 3. SEE APPENDIX A OF SPECIFICATIONS BOOK FOR CORRESPONDING LIGHT FIXTURE CUTSHEETS.

4. ALL MANUFACTURERS OF CONTINUOUS-RUN LINEAR FIXTURES MUST SUBMIT SHOP DRAWINGS COORDINATED WITH ARCHITECTURAL DRAWINGS FOR RUN LENGTH REVIEW. 5. FOR ALL LUMINAIRES WHERE MOCKUPS 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 CONTROLS 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 SHOP 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. FIXTURE FINISH TYPE TO BE CONFIRMED BY ARCHITECT. ANTI-MICROBIAL PAINT 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.

1 1/ 1/ 0					•••

				SITE LIGHTING SCHEDULE			
TYPE	FIXTURE DESCRIPTION	LOCATION	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTAGE	NOTE A7
		LOOATION			WATIS	VOLTAOL	NOTE AT
SL1	OUTDOOR LED AREA LIGHT	SITE	LSI CORP	MRS-LED-09L-SIL-5W-30-70CRI	63	277V	WITH MOTION AND PHOTOCELL SENSOR
SL2	OUTDOOR LED WALL LIGHT	SITE	LSI CORP	XWS-LED-06L-FTW-40-80CRI	52	277V	WITH MOTION AND PHOTOCELL SENSOR
SL3	MONUMENT LIGHTING	SITE		COORDINATE LIGHTING FIXTURE TYPE WITH ARCHITECT		277V	CONTROLLED VIA TIMECLOCK ON PHOTOCELL OFF

SITEL IGHTING SCHEDULE NOTES:

- 2. REFER TO DETAIL 'IX' 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.

1. FOR EXACT QUANTITY, LOCATION, AND TYPES FOR SITE LIGHTING FIXTURES, REFER TO CIVIL ENGINEERS DRAWING C-600 FOR ADDITIONAL INFORMATION.



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Building #17 Campus Expansion Child Day-care Center

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

Civil Engineer

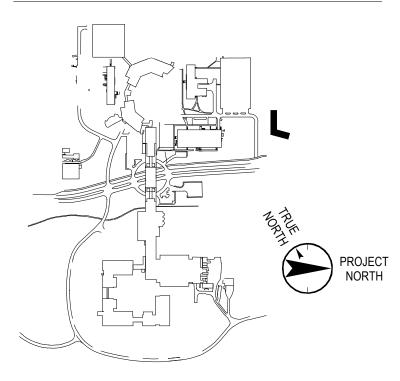
JMC 120 Bedford Road Armonk, NY 10504 (914) 273-5225 Phone (914) 273-2102 Fax

Landscape Architect

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



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No. Date Description 0 05.20.2022 ISSUED FOR PERMIT

Plot Date: 05/05/22

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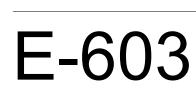
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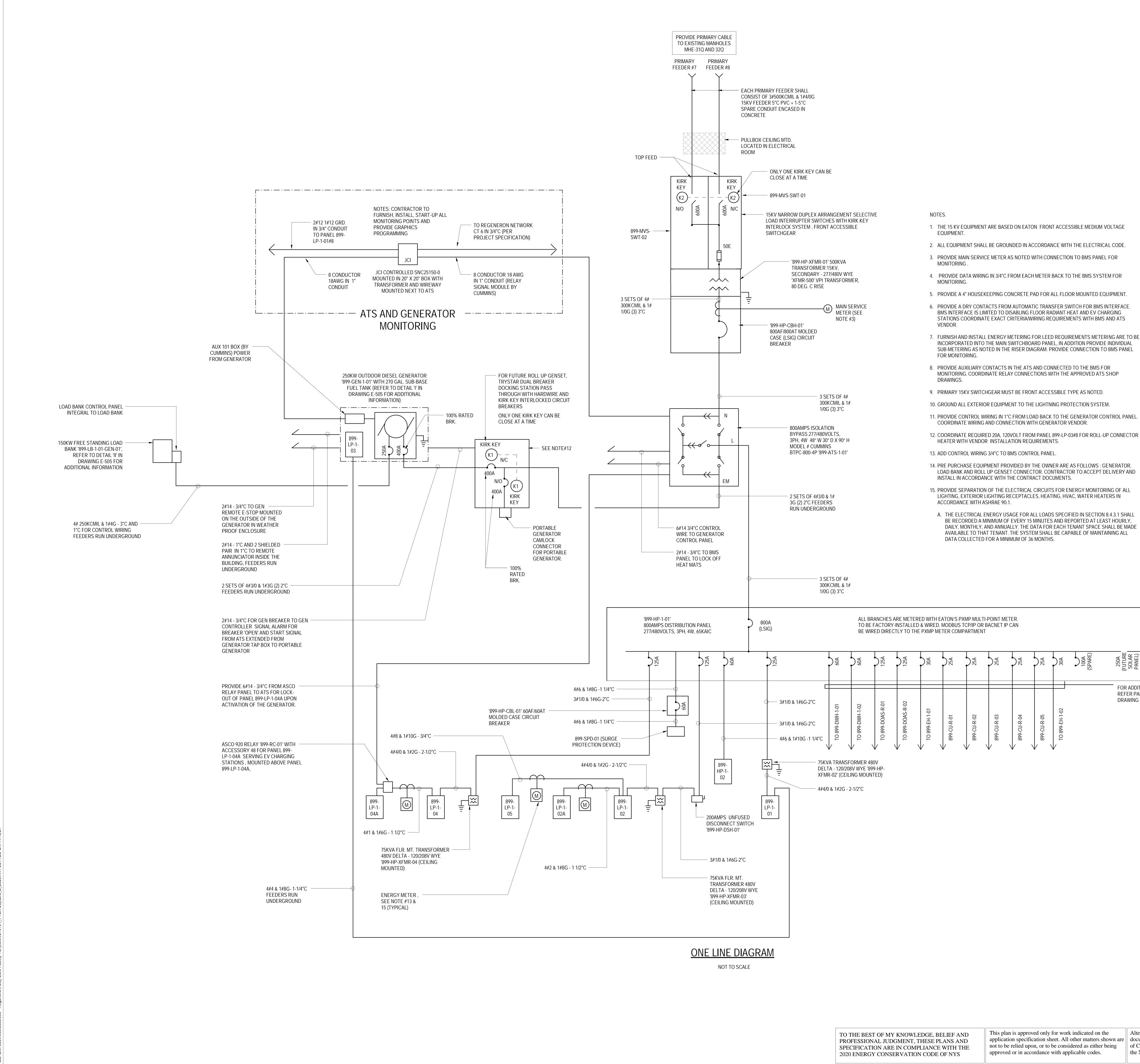
Professional Seal and Signature

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

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



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250A UTURE SOLAR

FOR ADDITIONAL FEEDER SIZE, REFER PANEL SCHEDULE IN DRAWING E-600

# REGENERON REAL ESTATE & FACILITIES MANAGEMENT

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

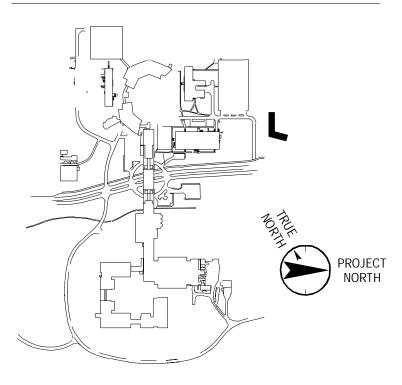
(212) 615-3700 Fax Civil Engineer JMC

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



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

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