SYMBOLS LEGEND:

- RECESSED PANEL
- SURFACE MOUNTED PANEL
- (J) OR [J] JUNCTION BOX
- X-Z, Y — HOME RUN IN ITS OWN CONDUIT TO PANEL. 2#12, #12G, 3/4"C UNLESS OTHERWISE NOTED. PROVIDE SEPARATE GROUND AND NEUTRAL FOR EACH BRANCH CIRCUIT.
  'X'-INDICATES PANEL
  'Z, Y'-INDICATES CIRCUIT NUMBERS
- X-Z, Y VV/A/#P — HOME RUN IN ITS OWN CONDUIT TO PANEL. 2#12, #12G, 3/4"C UNLESS OTHERWISE NOTED. PROVIDE SEPARATE GROUND AND NEUTRAL FOR EACH BRANCH CIRCUIT.
  'X'-INDICATES PANEL
  'Z, Y'-INDICATES CIRCUIT NUMBERS
  PROVIDE BREAKER IN INDICATED PANEL WHERE
  'VV' INDICATES TRIP RATING IN AMPS
  '#' INDICATES NUMBER OF POLES
- X-Z, Y — CIRCUIT CONTINUATION WITH 'Y' INDICATING DEVICE OR AREA DESCRIPTION
  'X'-INDICATES PANEL
  'Z, Y'-INDICATES CIRCUIT NUMBERS
- CIRCUIT CONSISTING OF GROUND, NEUTRAL AND PHASE CONDUCTORS. SHORT SOLID LINES INDICATE PHASE CONDUCTORS. A LONG SOLID LINE INDICATES NEUTRAL. A LONG DASHED LINE INDICATES AN EQUIPMENT GROUND. PROVIDE A SEPARATE GREEN EQUIPMENT GROUND CONDUCTOR IN ALL NEW CIRCUITS
- LINE TYPE SHOWING CONTROL WIRING
- CONNECTION POINT
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- CAPPED CONDUIT
- DUPLEX RECEPTACLE,
  'GFI'-INDICATES GROUND FAULT CIRCUIT INTERRUPTER
  'AFI'-INDICATES ARC FAULT CIRCUIT INTERRUPTER
  'WP'-WEATHER-PROOF DEVICE WITH WEATHER PROOF WHILE IN USE COVER
- $ QUAD RECEPTACLE
- SINGLE POLE SWITCH, 20 AMP 120/277 UNLESS NOTED OTHERWISE
  'MS'-INDICATES 1HP RATED GENERAL USE 'SNAP SWITCH WITH OVERLOADS SIZED FOR EQUIPMENT AND LOCKABLE HASP
  '3MS'-INDICATES 3 POLE 600 VOLT 30 AMP 3HP RATED MANUAL MOTOR STARTER WITH LOCKABLE HASP
  'WP'-INDICATES WEATHER PROOF
  'VS' INDICATES VACANCY SENSOR SWITCH
- DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. PROVIDE 2-PORT FACEPLATE FOR 2-CAT 6 CABLES (DATA) UON.
  'ROUTER'-INDICATES WALL MOUNTED INTERNET ROUTER
- 4' LIGHT FIXTURE
- 2' X 2' LIGHT FIXTURE
- FACP — FIRE ALARM CONTROL PANEL
- SD — CEILING MOUNTED SMOKE DETECTOR. PHOTOELECTRIC UON
- (F) — WALL MOUNTED STROBE ONLY NOTIFICATION APPLIANCE

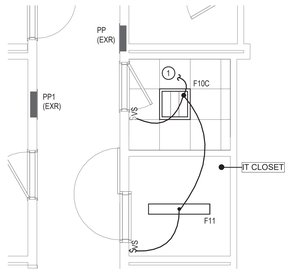
ABBREVIATIONS: (SOME MAY NOT BE USED)

A	AMP	FT	FEET	PH	PHASE
AC	ABOVE COUNTER	FTL	FEED-THRU LUGS	PIV	POST INDICATING VALVE
ACC	AIR COOLED CONDENSING UNIT	FVNR	FULL VOLTAGE NON-REVERSING	POE	POWER OVER ETHERNET
ACP	ACCESS CONTROL PANEL	G	GROUND	PR	PAIR
AFCI	ARC FAULT CIRCUIT INTERRUPTER	GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER	RAF	RETURN AIR FAN
AFG	ABOVE FINISHED GRADE	GPM	GALLONS PER MINUTE	RECEPT	RECEPTACLE
AHU	AIR HANDLING UNIT	H	HEIGHT	RVCC	REMOTE VOICE COMMAND CENTER
AWG	AMERICAN WIRE GAGE	HC	HANDICAP ACCESSIBLE	REL	RELOCATE
BFG	BELOW FINISHED GRADE	HH	HAND HOLE	REM	REMOVE
BLDG	BUILDING	HOA	HAND-OFF-AUTO SWITCH	REP	REPLACE
BTU	BRITISH THERMAL UNITS	HP	HORSEPOWER	RGS	RIGID GALVANIZED STEEL
C	CONDUIT	HVAC	HEATING, VENTILATION AND/OR AIR CONDITIONING	RPM	REVOLUTIONS PER MINUTE
CAT	CATEGORY	IG	ISOLATED GROUND	SAF	SUPPLY AIR FAN
CB	CIRCUIT BREAKER	IN	INCHES	SCH	SCHEDULE
CFM	CUBIC FEET PER MINUTE	INT	INTERNAL	SER	SERVICE ENTRANCE RATED
CKT	CIRCUIT	IT	INFORMATION TECHNOLOGIES	SF	SQUARE FOOT
COMM	COMMUNICATION	JB	JUNCTION BOX	SFL	SUB-FEED LUGS
CONT	CONTINUED	K	KILO	SH	SHIELDED
CT	CURRENT TRANSFORMER	KVA	KILO-VOLT AMPERE	SM	SINGLE MODE FIBER OPTIC CABLE
CU	COPPER	KW	KILOWATT	SPD	SURGE PROTECTION DEVICE
CUH	CABINET UNIT HEATER	LBS	POUNDS	SR	SURFACE RACEWAY
CVT	CONTROL VOLTAGE TRANSFORMER	LV	LOW VOLTAGE	SWGR	SWITCHGEAR
DDC	DIRECT DIGITAL CONTROL	MAX	MAXIMUM	TBB	TELEPHONE BACKBOARD
DLC	DESIGN LIGHTS CONSORTIUM	MC	METAL CLAD CABLE	TSP	TWISTED SHIELDED PAIR
DSP	GARBAGE DISPOSAL	MCB	MAIN CIRCUIT BREAKER	TW	TWISTED
DW	DISHWASHER	MDP	MAIN DISTRIBUTION PANEL	TYP	TYPICAL
DWG	DRAWING	MH	MOUNTING HEIGHT	UG	UNDERGROUND
EC	ELECTRICAL CONTRACTOR	MIN	MINIMUM	UGE	UNDERGROUND ELECTRIC
ECB	ENCLOSED CIRCUIT BREAKER	MLO	MAIN LUGS ONLY	UGT	UNDERGROUND TELECOMMUNICATION
EM	EMERGENCY	MM	MULTIMODE FIBER OPTIC CABLE	UH	UNIT HEATER
EMT	ELECTRICAL METALLIC TUBING	MS	MOTOR STARTING	UON	UNLESS OTHERWISE NOTED
ELU	EMERGENCY LIGHTING UNIT	MTG	MOUNTING	UPS	UNINTERRUPTIBLE POWER SUPPLY
ES	ELECTRIC STRIKE	NEC	NATIONAL ELECTRIC CODE	UTP	UNSHIELDED TWISTED PAIR
EXR	EXISTING TO REMAIN	NL	NIGHT LIGHT	V	VOLT
FA	FIRE ALARM	NO/NC	NORMALLY OPEN/NORMALLY CLOSED	W	WATT
FAAP	FIRE ALARM ANNUNCIATOR PANEL	OEM	ORIGINAL EQUIPMENT MANUFACTURER	WH	WATER HEATER
FACP	FIRE ALARM CONTROL PANEL	OLS	THERMAL OVERLOAD UNITS	W/	WITH
FTC	FIBER OPTIC CABLE CROSS CONNECT CABINET	P	POLE	WP	WEATHERPROOF
FLA	FULL LOAD AMPS	PC	PHOTOCELL	XFMR	TRANSFORMER
FLR	FLOOR	PE	PHOTO EYE		

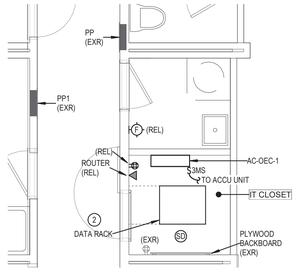
LIGHTING FIXTURE SCHEDULE

NOTE:

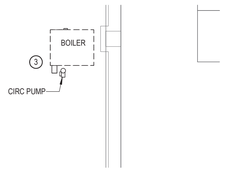
TYPE	DESCRIPTION	MANUFACTURER	LAMP				VOLTS	FIXTURE REMARKS
			TYPE	WATTS	LUMENS	COLOR		
F10C	RECESSED 2 X 2 LED ILLUMINATED PANEL	LITHONIA #CPX 2X2 ALO7 80CRI SWW7 SWL MVOLT	LED	34.9 W	4322 lm	3500 K	120	REFERENCE ARCHITECTURAL DRAWINGS
F11	4' SURFACE OR WALL MOUNTED LED. DAMP LOCATION	LITHONIA #CLX-L24-4000LM-SEF-WDL-120V-GZ10-35K-80CRI-WH	LED	25.5 W	4118 lm	3500 K	120	REFERENCE ARCHITECTURAL DRAWINGS



M9 ENLARGED IT CLOSET LIGHTING PLAN
1/4" = 1'-0"



J9 ENLARGED IT CLOSET ELECTRICAL PLAN
1/4" = 1'-0"



J5 LOWER LEVEL ELECTRICAL REMOVALS
1/4" = 1'-0"

GENERAL NOTES:

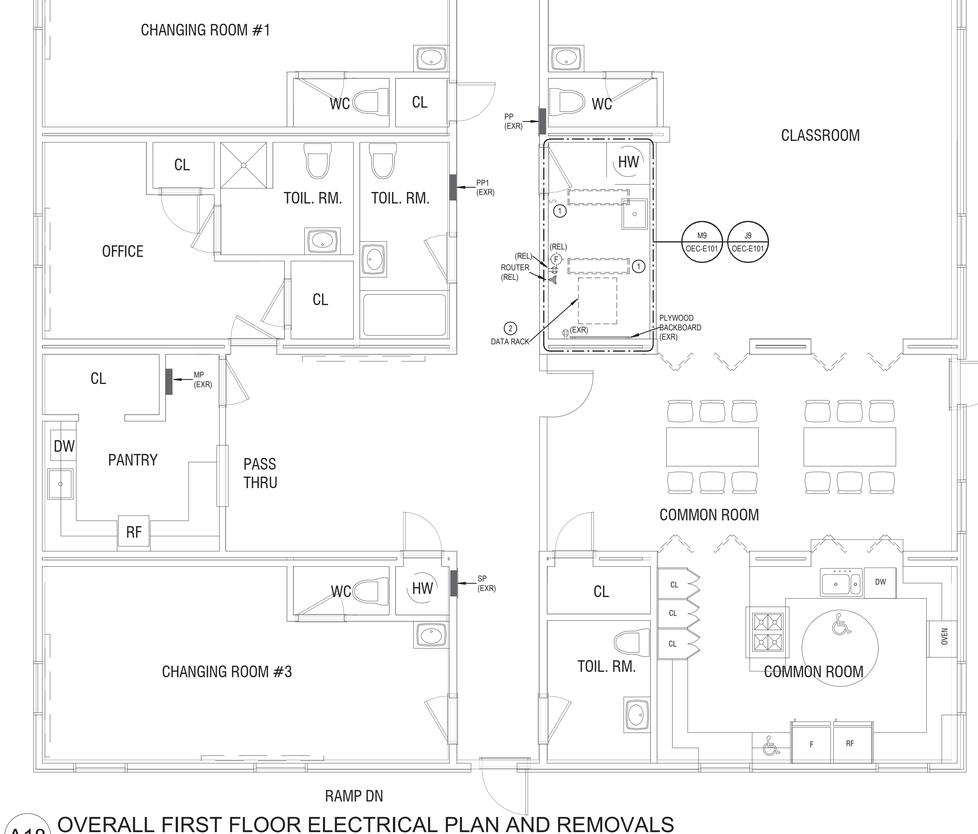
1. THE EXISTING FIRE ALARM PANEL IS A FIRELITE MS-521OUD PANEL MAINTAINED BY SAFENET SECURITY SYSTEMS. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING FIRE ALARM SYSTEM DEVICES.

KEYED NOTES:

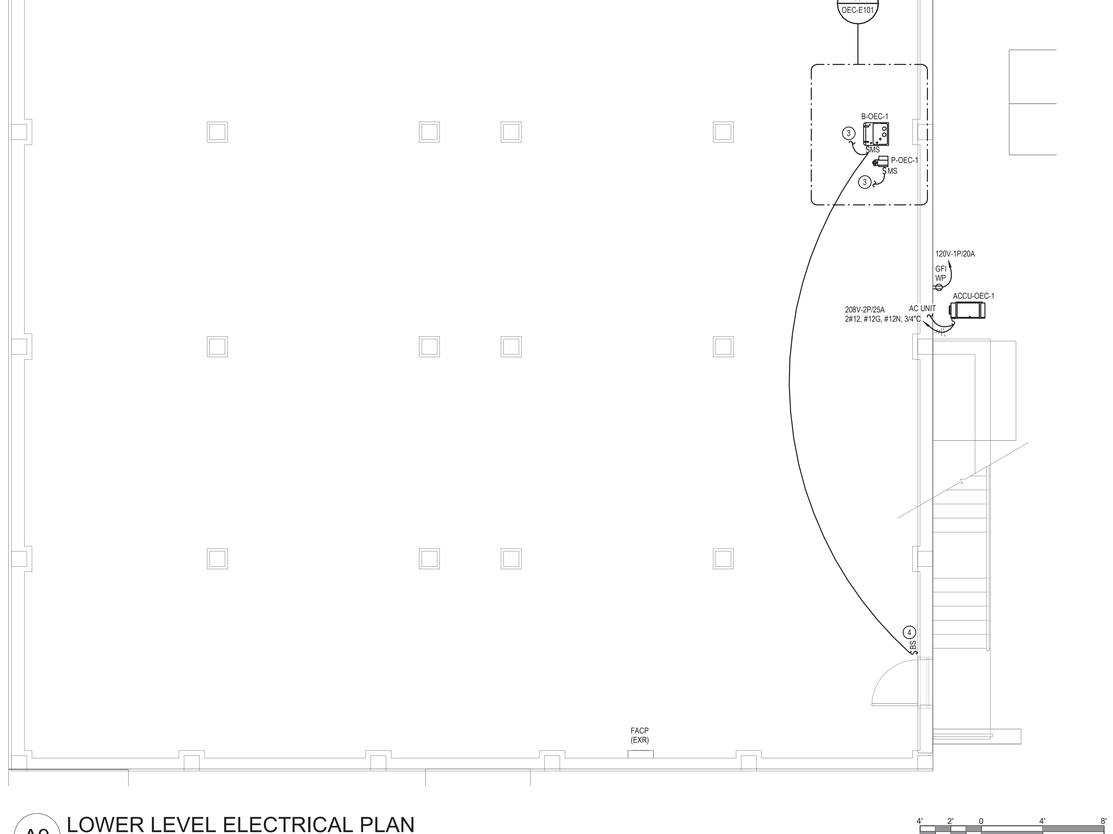
1. REMOVE EXISTING LIGHT FIXTURES AND SWITCH MAINTAIN EXISTING CIRCUIT. PROVIDE LIGHT FIXTURE AND CONTROLS AND CONNECT TO EXISTING CIRCUIT SERVING AREA. COORINDATE LOCATION WITH MECHANICAL SPLIT SYSTEM.
2. ROTATE EXISTING DATARACK SO FRONT ACCESS IS FROM DIRECTION OF THE IT CLOSET DOOR.
3. MAINTAIN EXISTING BOILER AND CIRCULATING PUMP CIRCUITS FOR REUSE.
4. PROVIDE BOILER SHUTDOWN SWITCH. INTERCEPT CIRCUIT SERVING BOILER AND ROUTE VIA THIS SWITCH TO RE-FEED BOILER.

LIGHTING CONTROL NARRATIVE:

- WHERE SHOWN WITH WALL MOUNTED VACANCY SENSORS, LIGHTS ARE MANUAL ON, AUTOMATIC OFF AFTER 20 MINUTES WHEN NO MOTION IS DETECTED.



A18 OVERALL FIRST FLOOR ELECTRICAL PLAN AND REMOVALS
1/4" = 1'-0"



A9 LOWER LEVEL ELECTRICAL PLAN
1/4" = 1'-0"

4' 2' 0 4' 8'

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REGISTRATION EXPIRES: 10/31/2023

NANUET

- ☐ SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
- ☐ SED#50-01-08-03-7-007-002 (Maintenance)
- ■ SED#50-01-08-03-7-012-004 (OEC)
- ☐ SED#50-01-08-03-0-001-026 (MILLER ES)
- ☐ SED#50-01-08-03-0-004-022 (BARR MS)

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OEC Building
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Nanuet, NY 10954

Maintenance Building
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Nanuet, NY 10954

Miller Elementary School
50 Blauvelt Rd Unit1
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A MacArthur Barr Middle School
143 Church St
Nanuet, NY 10954

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADD #1	11/06/24

ISSUED: BID SET

DATE: 06/21/2024

SCALE: AS NOTED

SHEET NAME:
OVERALL ELECTRICAL PLANS

SHEET NUMBER:
OEC-E101

ISSUE FOR BID SET

DRAWN BY: Author
CHECKED BY: Checker
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