

SYMBOLS LEGEND:

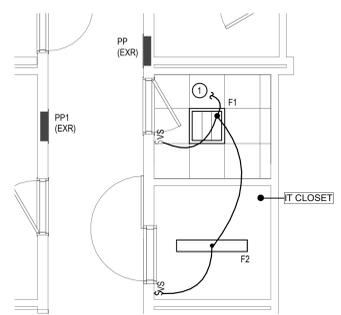
- RECESSED PANEL
- SURFACE MOUNTED PANEL
- JUNCTION BOX
- HOME RUN IN ITS OWN CONDUIT TO PANEL. #12, #12G, 3/4" UNLESS OTHERWISE NOTED. PROVIDE SEPARATE GROUND AND NEUTRAL FOR EACH BRANCH CIRCUIT.
- X-Z, Y INDICATES PANEL
- Z, Y-INDICATES CIRCUIT NUMBERS
- HOME RUN IN ITS OWN CONDUIT TO PANEL. #12, #12G, 3/4" 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
- WV INDICATES TRIP RATING IN AMPS
- F INDICATES NUMBER OF POLES
- 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
- GF-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: 30 AMP 120/277 UNLESS NOTED OTHERWISE
- MS-INDICATES 1HP RATED GENERAL USE "SNAP SWITCH" WITH OVERLOADS SIZED FOR EQUIPMENT AND LOCKABLE HASP
- MS-INDICATES 3 POLE 600 VOLT 30 AMP 3HP RATED MANUAL MOTOR STARTER WITH LOCKABLE HASP
- WP-INDICATES WEATHER PROOF
- VSI-INDICATES VACUANCY 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
- FIRE ALARM CONTROL PANEL
- CEILING MOUNTED SMOKE DETECTOR. PHOTOELECTRIC UON
- WALL MOUNTED STROBE ONLY NOTIFICATION APPLIANCE

ABBREVIATIONS: (SOME MAY NOT BE USED)

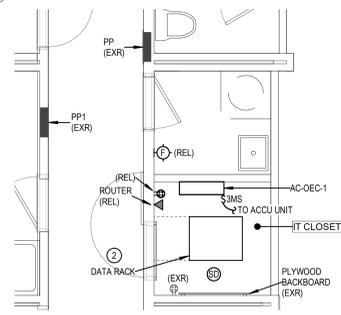
- | | | |
|---|---|-----------------------------------|
| A AMP | FT FEET | PH PHASE |
| AC ABOVE COUNTER | FTL FEED-THRU LUGS | PIV POST INDICATING VALVE |
| ACC AIR COOLED CONDENSING UNIT | FVNR FULL VOLTAGE NON-REVERSING | POE POWER OVER ETHERNET |
| ACP ACCESS CONTROL PANEL | G GROUND | PR PANEL |
| AFCI ARC FAULT CIRCUIT INTERRUPTER | GC GENERAL CONTRACTOR | PVC POLYVINYL CHLORIDE |
| AFI ABOVE FINISHED FLOOR | GFI GROUND FAULT CIRCUIT INTERRUPTER | RAF RETURN AIR FAN |
| AFG ABOVE FINISHED GRADE | GPM GALLONS PER MINUTE | RECP 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 | HDA 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 | SR SURFACE RACEWAY |
| CT CURRENT TRANSFORMER | KVA KILOVOLT 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 |
| DCC 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 | TY 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 | UN 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 |
| FACP FIRE ALARM ANNUNCIATOR PANEL | OEM ORIGINAL EQUIPMENT MANUFACTURER | WH WATER HEATER |
| FACP FIRE ALARM CONTROL PANEL | OLS THERMAL OVERLOAD UNITS | WP WEATHERPROOF |
| FLR FIBER OPTIC CABLE CROSS CONNECT CABINET | P POLE | XFMR TRANSFORMER |
| FLA FULL LOAD AMPS | PC PHOTOCELL | |
| FLR FLOOR | PE PHOTO EYE | |

GENERAL NOTES:

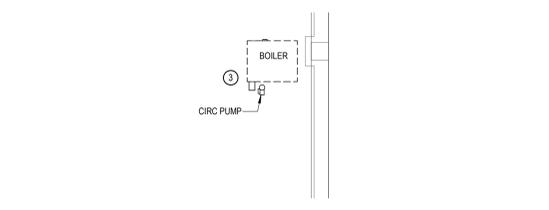
- THE EXISTING FIRE ALARM PANEL IS A FIRELITE MS-5210UD PANEL MAINTAINED BY SAFENET SECURITY SYSTEMS. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING FIRE ALARM SYSTEM DEVICES.
- KEYED NOTES:**
- REMOVE EXISTING LIGHT FIXTURES AND SWITCH MAINTAIN EXISTING CIRCUIT. PROVIDE LIGHT FIXTURE AND CONTROLS AND CONNECT TO EXISTING CIRCUIT SERVING AREA. COORDINATE LOCATION WITH MECHANICAL SPLIT SYSTEM.
 - ROTATE EXISTING DATARACK SO FRONT ACCESS IS FROM DIRECTION OF THE IT CLOSET DOOR.
 - MAINTAIN EXISTING BOILER AND CIRCULATING PUMP CIRCUITS FOR REUSE.
 - PROVIDE BOILER SHUTDOWN SWITCH. INTERCEPT CIRCUIT SERVING BOILER AND ROUTE VIA THIS SWITCH TO RE-FEED BOILER.



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

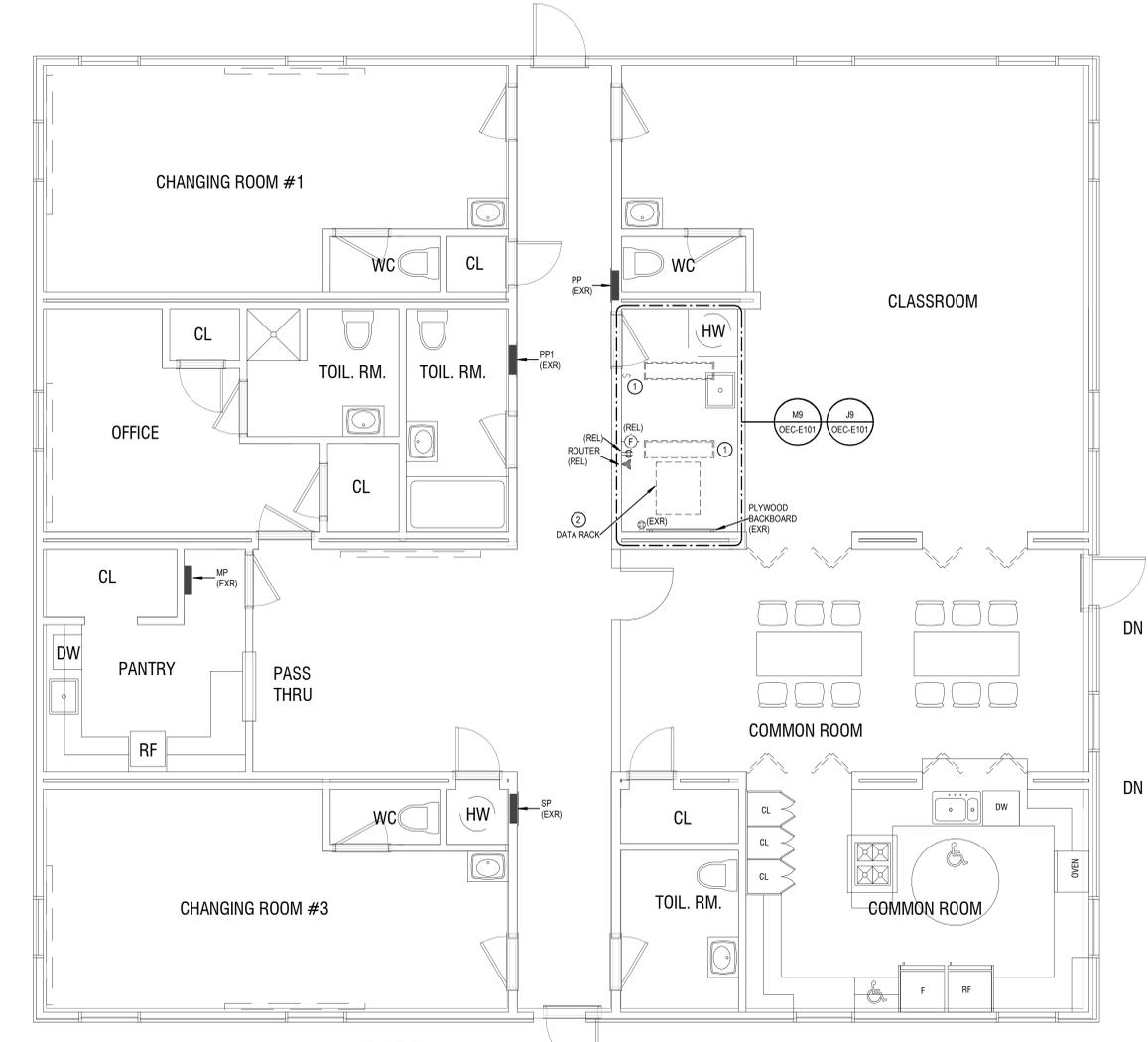


J9 ENLARGED IT CLOSET ELECTRICAL PLAN
1/4" = 1'-0"

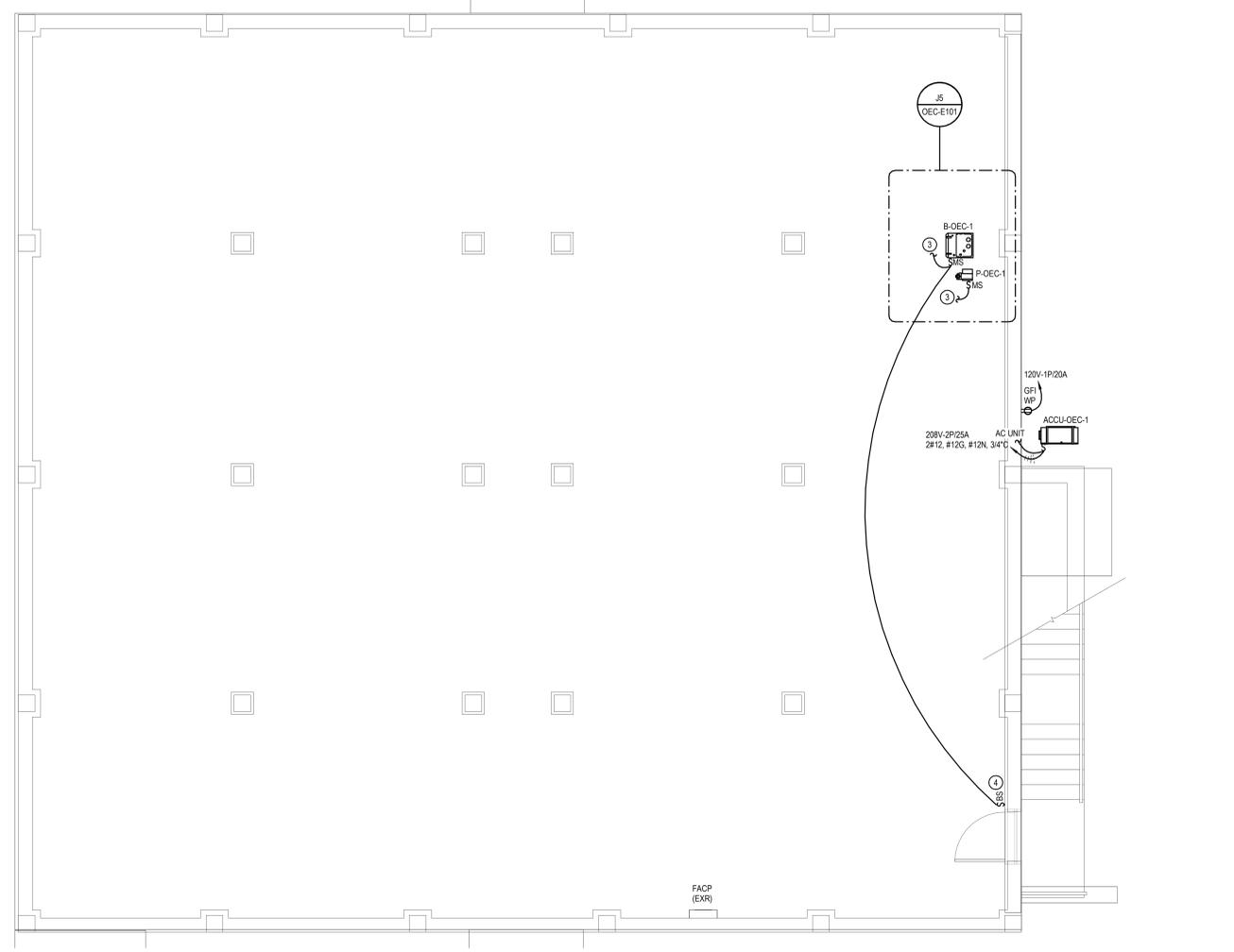


J5 LOWER LEVEL ELECTRICAL REMOVALS
1/4" = 1'-0"

| LIGHTING FIXTURE SCHEDULE | | | | | | |
|---------------------------|--|--|------|--------|---------|-----------------|
| TYPE | DESCRIPTION | MANUFACTURER | LAMP | | | FIXTURE REMARKS |
| | | | TYPE | WATTS | LUMENS | |
| F1 | RECESSED 2 X 2 LED ILLUMINATED PANEL | LITHONIA #CPX 2X2 AL07 80CRI SWW7 SWL MVOLT | LED | 34.9 W | 4322 lm | 3500 K 120 |
| F2 | 4" SURFACE OR WALL MOUNTED LED DAMP LOCATION | LITHONIA #CLX-L24-4000LM-SEF-WDL-120V-G210-3K-80CRI-WH | LED | 25.5 W | 4118 lm | 3500 K 120 |



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



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



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MEP Engineer
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New York, NY 10119
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www.jacobs.com



- SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
- SED#50-01-08-03-0-003-001-002 (Maintenance)
- SED#50-01-08-03-0-003-001-004 (OEC)
- SED#50-01-08-03-0-001-028 (MILLER ES)
- SED#50-01-08-03-0-004-022 (BARR MS)

- Highview Elementary School**
24 Highview Ave
Nanuet, NY 10954
- OEC Building**
135 Convent Rd
Nanuet, NY 10954
- Maintenance Building**
103 Church St.
Nanuet, NY 10954
- Miller Elementary School**
50 Blauvelt Rd Unit 1
Nanuet, NY 10954
- A MacArthur Barr Middle School**
143 Church St
Nanuet, NY 10954

KEY PLAN

| REVISIONS | | |
|-----------|-------------|------|
| No. | Description | Date |
| | | |
| | | |
| | | |

ISSUED: BID SET
DATE: 06/21/2024
SCALE: AS NOTED
SHEET NAME:
OVERALL ELECTRICAL PLANS

SHEET NUMBER:
OEC-E101

ISSUE FOR BID SET