## 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 VVA/#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
- 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
- $ — 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
- PENDANT, SURFACE, OR WALL LIGHT FIXTURE. SEE FIXTURE SCHEDULE FOR TYPE.
- RECESSED LIGHT FIXTURE. SEE FIXTURE SCHEDULE FOR TYPE.
- DOWNLIGHT. SEE FIXTURE SCHEDULE FOR TYPE.
- FACP — FIRE ALARM CONTROL PANEL

## 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 | OL'S | THERMAL OVERLOAD UNITS | WI | 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 | | |

## GENERAL NOTES:

1. THE EXISTING FIRE ALARM PANEL IS A FIRELITE MS-5012 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 FIXTURE. PROVIDE NEW LIGHT FIXTURE AND CONNECT TO EXISTING CIRCUIT SERVING AREA.
2. PROVIDE EMERGENCY LIGHTING UNIT "ELU" AND CONNECT TO EXISTING CIRCUIT THAT FEEDS LIGHTING AHEAD OF SWITCHING.
3. DISCONNECT SPLIT SYSTEM CIRCUIT BACK TO SOURCE.
4. DISCONNECT BASEBOARD HEATER CIRCUIT BACK TO SOURCE.
5. TEMPORALLY SUPPORT FIRE ALARM, DATA, SECURITY DEVICES TO FACILITATE CEILING REPLACEMENT

## LIGHTING CONTROL NARRATIVE:

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

## LIGHTING FIXTURE SCHEDULE

NOTE:

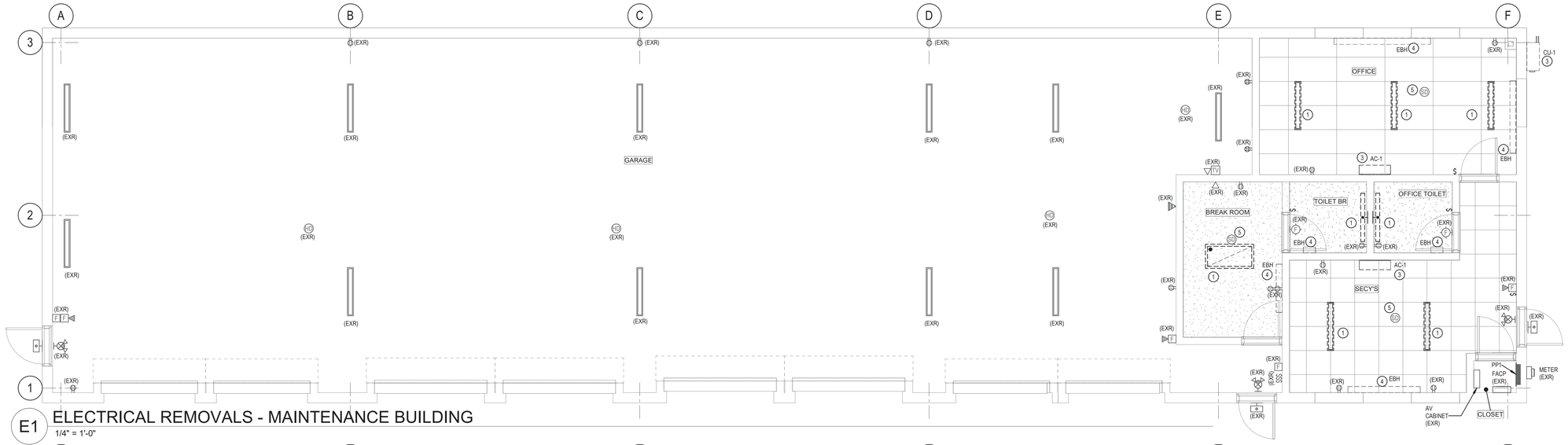
| TYPE | DESCRIPTION | MANUFACTURER | LAMP TYPE | LAMP WATTS | LAMP LUMENS | LAMP COLOR | VOLTS | FIXTURE REMARKS |
|---|---|---|---|---|---|---|---|---|
| F10C | RECESSED 2 X 2 LED ILLUMINATED PANEL | LITHONIA #CPX 2X2 ALO7 80CRI SWW7 SWL MVOLT | LED | 34.9 W | 4322 lm | 3500 K | 120 | REFERENCE ARCHITECTURAL 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 |
| ELU | LED EMERGENCY LIGHTING UNIT WITH ADJUSTABLE HEADS, SELF DIAGNOSTICS | LITHONIA #ELM2LEDSD | LED | 2.9 W | | | 120 | |

## NAME: PP1 — PANEL SCHEDULE EXISTING

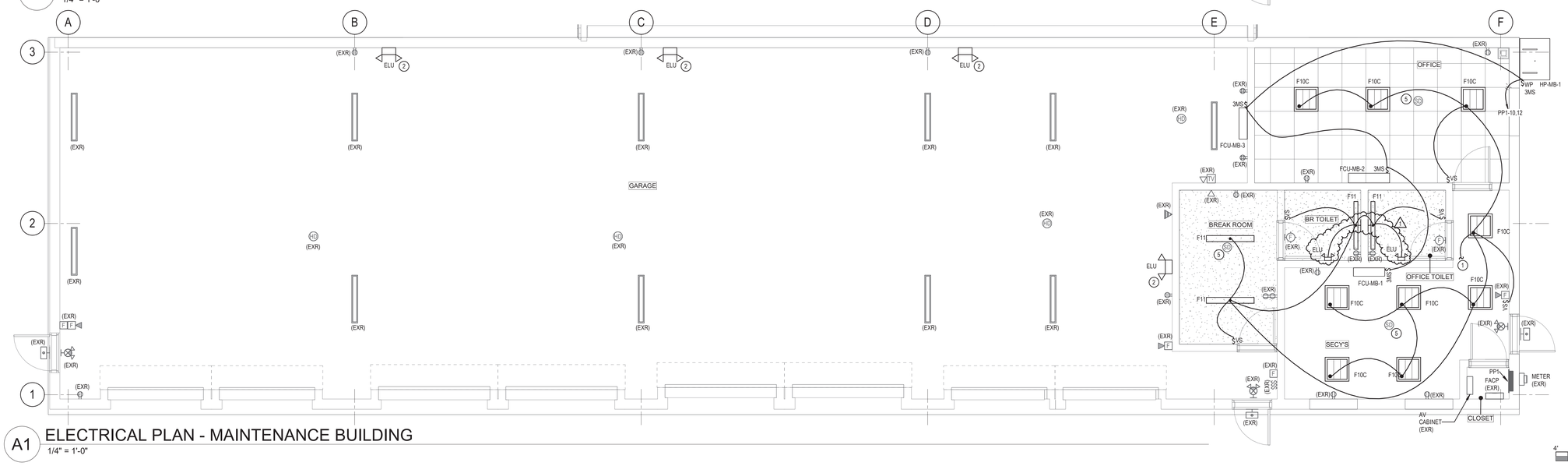
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MOUNTING: | SURFACE | VOLTS: | 120/240V | PHASE: | 1 | WIRE: | 3 |
| MAIN RATING: | 200 A | MCB: | 200 A | MIN A/C RATING: | AMPS RMS SYM | | |
| OTHER: | | | | LOCATION: | CLOSET | | |

NOTES:

| CKT | DESCRIPTION | LOAD | WIRE | BKR | P | A | B | A | B | P | BKR | WIRE | LOAD | DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | EXISTING LOAD | -- | -- | 20 | 1 | 0 | | 0 | | 1 | 20 | -- | -- | LGT OFFICES | 2 |
| 3 | EXISTING LOAD | -- | -- | 20 | 1 | | 0 | | 0 | 1 | 20 | -- | -- | EXISTING LOAD | 4 |
| 5 | GARAGE | -- | -- | 20 | 1 | 0 | | 0 | | 1 | 20 | -- | -- | EXISTING LOAD | 6 |
| 7 | EXISTING LOAD | -- | -- | 20 | 1 | | 0 | | 0 | 1 | 20 | -- | -- | EXISTING LOAD | 8 |
| 9 | EXISTING LOAD | -- | -- | 20 | 1 | 0 | | **2092** | | **2** | **25** | **2#12, #12G, #12N, 3/4"C** | **4184** | **HP-MB-1/FCU-MB-1,2,3 Room GARAGE, SECY'S** | **10** |
| 11 | RECEPT GROUNDS TABLE | -- | -- | 20 | 1 | | 0 | | **2092** | -- | -- | -- | -- | -- | **12** |
| 13 | EXISTING LOAD | -- | -- | 20 | 1 | 0 | | **0** | | **2** | **40** | -- | -- | **A/C (REM)** | **14** |
| **15** | **HEAT RECEPTION (REM)** | **--** | **--** | **30** | **1** | | **0** | | **0** | -- | -- | -- | -- | -- | **16** |
| **17** | **HEAT LOCKER ROOM (REM)** | **--** | **--** | **20** | **1** | **0** | | 0 | | 1 | 20 | -- | -- | EXISTING LOAD | 18 |
| 19 | HEAT GARAGE | -- | -- | 30 | 2 | | 0 | | **0** | **2** | **30** | -- | -- | **HEAT OFFICE (REM)** | **20** |
| 21 | -- | -- | -- | -- | -- | 0 | | **0** | | -- | -- | -- | -- | -- | **22** |
| 23 | EXISTING LOAD | -- | -- | 20 | 1 | | 0 | | 0 | 1 | 20 | -- | -- | EXISTING LOAD | 24 |
| 25 | EXISTING LOAD | -- | -- | 30 | 1 | 0 | | 0 | | 1 | 20 | -- | -- | FIRE ALARM/LGT IN CLOSET | 26 |
| 27 | HOT WATER | -- | -- | 30 | 2 | | 0 | | **0** | **2** | **20** | -- | -- | **A/C WALL AIR HANDLER (REM)** | **28** |
| 29 | -- | -- | -- | -- | -- | 0 | | **0** | | -- | -- | -- | -- | -- | **30** |
| 31 | AIR COMP | -- | -- | 30 | 2 | | 0 | | 0 | 1 | 20 | -- | -- | EXISTING LOAD | 32 |
| 33 | -- | -- | -- | -- | -- | 0 | | 0 | | 1 | 20 | -- | -- | GARAGE BOILER | 34 |
| 35 | WELDING RECEPT | -- | -- | 50 | 2 | | 0 | | 0 | 1 | 20 | -- | -- | LGT EXIT EMERGENCY | 36 |
| 37 | -- | -- | -- | -- | -- | 0 | | **0** | | **1** | **20** | -- | -- | **HEAT BATHOFFICE (REM)** | **38** |
| 39 | | | | | | | | | | | | | | | 40 |




E1 ELECTRICAL REMOVALS - MAINTENANCE BUILDING
1/4" = 1'-0"




A1 ELECTRICAL PLAN - MAINTENANCE BUILDING
1/4" = 1'-0"


ARCHITECT

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REGISTRATION EXPIRES: 10/31/2023

- ☐ 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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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 Unit1
Nanuet, NY 10954

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:** 50% CD SET

**DATE:** 06/21/2024

**SCALE:** AS NOTED

**SHEET NAME:** OVERALL ELECTRICAL PLANS

**SHEET NUMBER:** MB-E101

ISSUE FOR BID SET

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11/6/2024 11:55:30 AM

PROJECT NUMBER: 0000

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