

| MISCELLANEOUS                                                                       |                                                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  | MECHANICAL EQUIPMENT ITEM IDENTIFICATION PER EQUIPMENT SCHEDULE ON MECHANICAL DRAWINGS. |
|  | MISCELLANEOUS EQUIPMENT NUMBER. SEE MISCELLANEOUS EQUIPMENT SCHEDULE.                   |

|                |                        | EC<br>FURNISHED | OWNER<br>FURNISHED | EC INSTALLED | OWNER<br>INSTALLED | ADDITIONAL<br>INFORMATION |
|----------------|------------------------|-----------------|--------------------|--------------|--------------------|---------------------------|
| IT/SERVER ROOM | FULL SYSTEM - TURN KEY | X               |                    | X            |                    | HORIZ & VERTICAL          |
|                | RACKS                  | X               |                    | X            |                    |                           |
|                | 2-POST                 | X               |                    | X            |                    |                           |
|                | 4-POST                 | X               |                    | X            |                    |                           |
|                | ENCLOSED CABINET       | X               |                    | X            |                    |                           |
|                | WALL MOUNT             | X               |                    | X            |                    |                           |
|                | WIRE MANAGEMENT        | X               |                    | X            |                    |                           |
|                | PDU                    | X               |                    | X            |                    |                           |
|                | PATCH PANELS           | X               |                    | X            |                    |                           |
|                | IN RACK UPS            |                 | X                  |              | X                  |                           |

|                               |                              |   |  |   |  |
|-------------------------------|------------------------------|---|--|---|--|
| ACCESS CONTROL                | AXIS COMMUNICATIONS          |   |  |   |  |
|                               | FULL SYSTEM - TURN KEY       | X |  | X |  |
| Purple Cables and Patch cords | CARDS (PHYSICAL AND DIGITAL) | X |  | X |  |
|                               | INTERCOM AT GATE ONLY        | X |  | X |  |
|                               | CARD READERS                 | X |  | X |  |
|                               | WIRING AT DOOR               | X |  | X |  |
|                               | WIRING BACK TO RACK          | X |  | X |  |
|                               | NETWORKING                   | X |  | X |  |

|                     |   |  |   |  |
|---------------------|---|--|---|--|
| INTRUSION DETECTION |   |  |   |  |
| ROUGH IN            |   |  |   |  |
| CONTROL PANEL       | X |  | X |  |
| INDOOR SIREN        |   |  |   |  |
| KEY PADS            | X |  | X |  |
| GLASS BREAK SENSORS | X |  | X |  |
| MOTION DETECTORS    | X |  | X |  |
| DOOR CONTACTS       | X |  | X |  |

1. THE OWNER INTENDS TO VACATE SPECIFIC AREAS OF WORK BEFORE DEMOLITION BEGINS. ALL OTHER AREAS SHALL REMAIN OCCUPIED AND IN ACTIVE USE. UTILITIES AND SERVICES TO EXISTING ACTIVE AREAS SHALL NOT BE INTERRUPTED WITHOUT THE OWNER'S APPROVAL, AS TO THE TIME AND DURATION. THE OWNER WILL BE REQUIRED TO OCCUPY THE REST OF THE EXISTING FACILITIES THROUGHOUT THE CONSTRUCTION OPERATIONS. THE ELECTRICAL CONTRACTOR SHALL YIELD TO THE OWNER'S REQUIREMENTS TO MINIMIZE THE NUMBER OF UTILITY INTERRUPTIONS, WHICH SHALL BE SCHEDULED AT THE CONVENIENCE OF THE OWNER.
2. ALL ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, SWITCHES, RECEPTACLES, SPECIAL OUTLETS, ETC., WHICH ARE NOT TO BE DEMOLISHED, OR ARE SHOWN WITH DASHED LINE SYMBOLS ON THE DEMOLITION PLANS, SHALL BE REMOVED AND RELOCATED AS DIRECTED. ALL SUCH WORK SHALL BE REMOVED BACK TO THE SOURCE OR EXISTING UPSTREAM DEVICE TO REMAIN AND MADE SAFE.
3. REMOVE ELECTRICAL FIXTURES, DEVICES AND OUTLETS AS SPECIFIED AND SHOWN ON DRAWINGS, AND AS MAY BECOME NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. EXAMINE ALL EXISTING WALLS AND CEILING CONDITIONS TO DETERMINE THE CONDUIT AND WIRING THAT WILL REQUIRE REMOVAL.
4. FOR EXISTING ELECTRICAL DEVICES IN WALLS TO BE REMOVED, DISCONNECT POWER, REMOVE CONDUITS AND CAP CONDUIT BELOW FLOOR OR ABOVE CEILING AS REQUIRED. DEVICES ARE TO BE REMOVED ALONG WITH WALL BY GENERAL CONTRACTOR.
5. FOR EXISTING ELECTRICAL EQUIPMENT, FIXTURES AND DEVICES TO BE REMOVED FROM WALLS WHICH REMAIN, DISCONNECT POWER, REMOVE CONDUIT AND CAP CONDUIT ABOVE CEILING AND PATCH AND FINISH THE SURFACE AS REQUIRED TO MATCH THE EXISTING, OR MAKE READY FOR NEW WALL FINISH. PROVIDE PLANK PLAIN WALL WHERE PATCH OR REPAIR IS REQUIRED.
6. EXISTING RECEPTACLES, DEVICES, ETC. REMAIN ARE DENOTED BY THIN SOLID LINE, OR MAY NOT BE SHOWN ON THE DEMOLITION PLANS. SUCH DEVICES SHALL BE EXTENDED TO BE FLUSH WITH NEW FINISH ON EXISTING WALL WHERE REQUIRED.
7. MAINTAIN CIRCUIT CONTINUITY TO ALL EQUIPMENT, FIXTURES, DEVICES, ETC., TO REMAIN IN USE WHETHER OR NOT THE EQUIPMENT, FIXTURES, DEVICES, ETC., ARE TO BE REMOVED. DISCONNECT AND PATCH OUTLINES WHICH ARE PARTIALLY ABANDONED SHALL BE RECONNECTED BY THE ELECTRICAL CONTRACTOR TO SERVICE THE REMAINING OUTLETS ON THE CIRCUIT.
8. ALL WIRING FOR A CIRCUIT WHICH IS TO BE REMOVED SHALL BE REMOVED BACK TO THE PANEL, WHICH SUPPLIED THE CIRCUIT.
9. EXISTING CONDUIT & CONDUCTORS MAY BE REUSED WHERE FEASIBLE. ALL UNUSED CONDUIT MADE EMPTY BY DISCONNECTED WORK SHALL BE REMOVED BY THE ELECTRICAL CONTRACTOR, WHERE CONDUITS EXTENDING OUT OF THE FLOOR ARE TO BE REMOVED, CUT THE CONDUIT OFF 1/2" BELOW THE FLOOR LINE AND PATCH.
10. ALL ACTIVE CIRCUITING THAT RUNS THROUGH THIS SPACE, ORIGINATING AND/OR TERMINATING IN OTHER AREAS OF THE FACILITY, SHALL BE COORDINATE WITH NEW CEILING WORK FOR RAISED CEILING WHICH MAY REQUIRE CIRCUITING RELOCATION.
11. ALL UNUSED TELEPHONE AND DATA CABLES SHALL BE REMOVED, ANY OTHER UNUSED LOW VOLTAGE SYSTEMS CABLES SHALL ALSO BE REMOVED.
12. ALL EXISTING EQUIPMENT, LIGHTING FIXTURES, WIRING DEVICES, AND MATERIALS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND PROPERLY DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS NOTED THAT THE OWNER CHOOSES TO KEEP SHALL BE TRANSFERRED TO THEIR STORAGE AREA BY THE ELECTRICAL CONTRACTOR.
13. FOR ALL EXISTING ELECTRICAL WIRING DEVICES, TELEPHONE, DATA ETC., CONTRACTOR SHALL REMOVE/REINSTATE COVERPLATES AS REQUIRED TO ALLOW FOR NEW FINISHES.
14. INFORMATION ON THE EXISTING CONDITIONS PLANS ARE COMPLIED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS AND SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF ALL EQUIPMENT, MATERIALS AND CONDITIONS, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY PERMITS, LICENSES, INSPECTIONS AND FEES FROM THE LOCAL AUTHORITIES. CONTRACTOR SHALL BE LICENSED BY LOCAL AND/OR STATE AUTHORITIES HAVING JURISDICTION.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), NATIONAL ELECTRICAL CODE (NEC), INTERNATIONAL BUILDING CODE (IBC) AND OTHER APPLICABLE LOCAL, STATE AND NATIONAL CODES.
3. ALL ELECTRICAL MATERIAL USED ON THIS PROJECT SHALL BE "UL" LISTED AND LABELED.
4. THE ENTIRE ELECTRICAL SYSTEM AND ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND AS SHOWN ON THE DRAWINGS. PROVIDE A GROUND WIRE IN EACH POWER CONDUIT, SIZED PER THE NEC.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE SYSTEM PER CONTRACT DRAWINGS AND ENSURING THAT THE SYSTEM IS OPERATIONAL UPON JOB COMPLETION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL OTHER TRADES AND DISCIPLINES TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WIRING DEVICE LOCATIONS AND ELEVATIONS INDICATED ON THE PLANS WITH THE OWNER, ARCHITECT AND FINAL FURNITURE/EQUIPMENT LAYOUTS.
7. CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIAL, INSTALLED OR FURNISHED UNDER THIS CONTRACT FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING.
8. MAINTAIN AND VERIFY ELECTRICAL EQUIPMENT CLEARANCES AND WORKING SPACE PER NEC.
9. PROVIDE ELECTRICAL SYSTEMS IDENTIFICATION AS INDICATED IN THE SPECIFICATIONS AND REQUIRED BY THE NATIONAL ELECTRICAL CODE.
10. IF ANYTHING ON THE PLANS IS NOT IN COMPLIANCE WITH NATIONAL, STATE OR LOCAL CODES, THE ENGINEER SHALL BE ADVISED BY THE ELECTRICAL CONTRACTOR DURING THE BIDDING PROCESS. THERE ARE TO BE NO CHANGES TO THE CONTRACT DOCUMENTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS FOR POWER, SAFETY, ETC., IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION (E.G. OSHA, NEC, ETC.).
12. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR PHASING AND SCHEDULING OF THE PROJECT. COORDINATE WITH OTHERS' FIELD REPRESENTATIVE.
13. VERIFY ALL INDICATED DIMENSIONS BY FIELD MEASUREMENTS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
14. PROVIDE ACCESS PANELS OR DOORS WHERE EQUIPMENT OR DEVICES REQUIRED TO BE ACCESSIBLE ARE CONCEALED BEHIND INACCESSIBLE SURFACES.
15. PRIOR TO TURNOVER, THIS CONTRACTOR SHALL REMOVE ALL RUBBISH, DIRT, DEBRIS AND STAINS ON THE WORK OR CAUSED BY THIS WORKER AND SHALL THOROUGHLY CLEAN ALL EQUIPMENT, FIXTURES, DEVICES, ETC. PRIOR TO TURNOVER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT, FIXTURES, DEVICES, ETC. MARKED DURING SHIPMENT, INSTALLATION OR CONSTRUCTION.
16. PANELBOARD CIRCUIT BREAKERS SHALL BE EQUIPPED WITH BOLT-ON TYPE BREAKERS, PHENOLIC NAME TAGS AND KEYS LOCK AND LATCH. EACH PANEL SHALL BE PROVIDED WITH TWO KEYS WITH ALL PANELS KEYS AND CIRCUIT BREAKERS KEYS USED TO SWITCH LIGHT FIXTURES SHALL BE TYPE SWD SHALL BE APPROVED FOR THE PURPOSE. ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACK TYPE.
17. ALL OTHERS DISCUSSED IN THESE DRAWINGS ARE 20A, 1-POLY CIRCUIT BREAKERS IN PANELS UNLESS NOTED OTHERWISE.
18. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF CIRCUIT BREAKERS. EACH CIRCUIT BREAKER SHALL BE EQUIPPED WITH A TYPE WRITTEN CIRCUIT DIRECTORY. ALL EXISTING PANELBOARDS THAT HAVE CIRCUITS ALTERED SHALL HAVE A NEW TYPE WRITTEN CIRCUIT



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## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS  
CAMBELLSVILLE, KY 42718



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KY LIC#: 26212  
EXP: 06/30/2027



08/20/2026

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## REVISION:

100% CONSTRUCTION DOCUMENTS 08/20/2026

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Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL ONE-LINE  
DIAGRAM - OPS /  
VEHICAL STORAGE

E0.2

## ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
3. OVERSIZED FEEDERS HAVE BEEN SIZED TO LIMIT VOLTAGE DROP. PROVIDE PROPER LUGS OR PITGAL ADAPTERS. FUSES FOR SPECIFIC MECHANICAL EQUIPMENT HAVE BEEN PROVIDED TO LIMIT AVAILABLE FAULT CURRENT AT THE EQUIPMENT.
4. AIC RATINGS INDICATED ARE THE MINIMUM PERMISSIBLE TO MAINTAIN A FULLY RATED SYSTEM.

## ELECTRICAL KEYED NOTES:

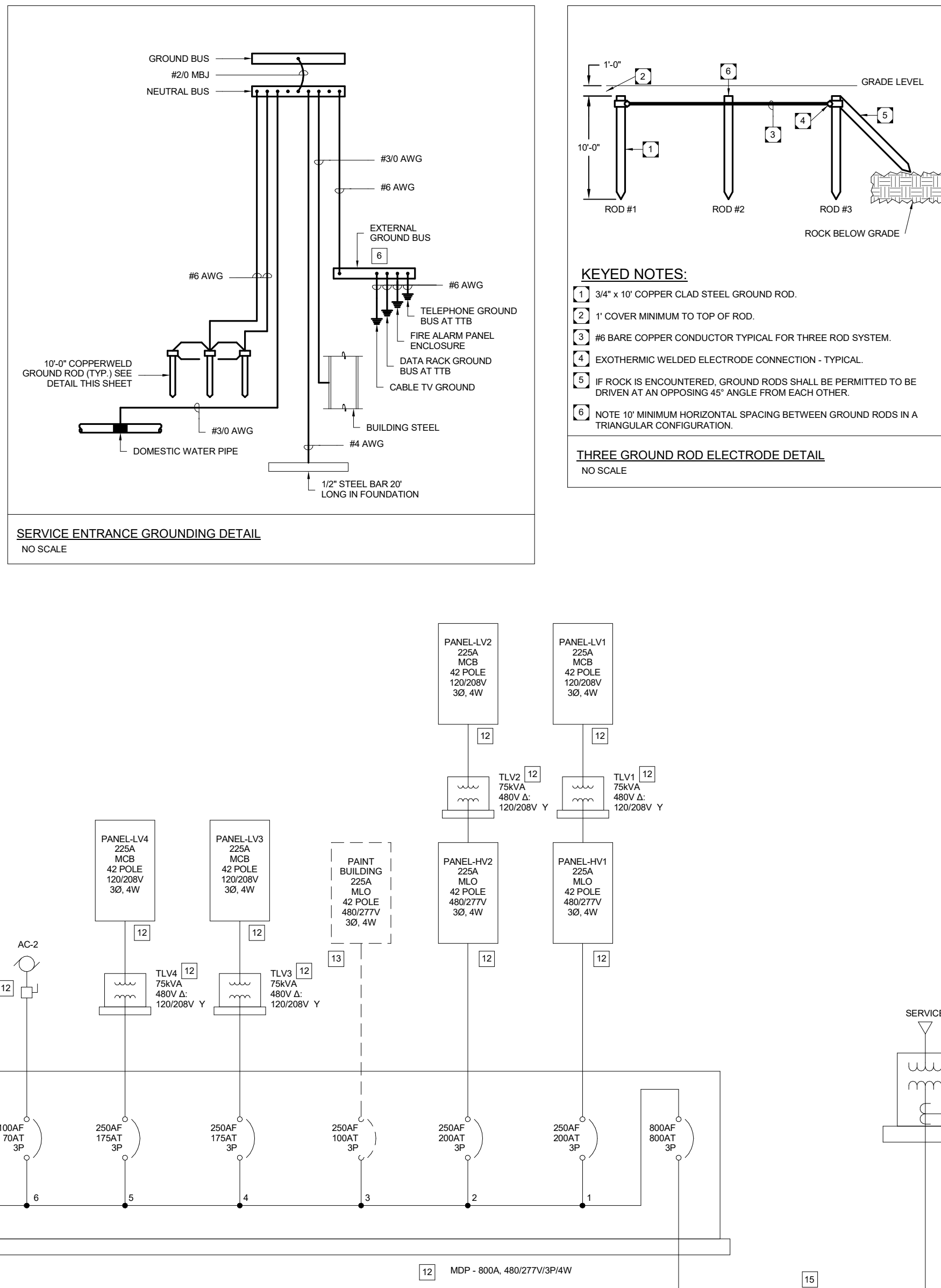
1. PROVIDE SERVICE ENTRANCE GROUNDING PER DETAILS ON THIS SHEET. PROVIDE ALL GROUNDING PER NEC 250.50.
2. METER AND METERING CONDUCTORS WILL BE PROVIDED BY UTILITY. COORDINATE ALL REQUIREMENTS WITH THE UTILITY COMPANY FOR LOCATION AND GROUNDING.
3. PROVIDE NEW SIEMENS CIRCUIT BREAKER AS INDICATED IN SPACE MADE AVAILABLE FROM REMOVED BREAKER.
4. PROVIDE GENERATOR IN WEATHERPROOF SOUND ATTENUATED HOUSING. SEE SPECIFICATIONS FOR DETAILS. PROVIDE WITH GENERATOR ANNUNCIATOR PANEL. REFER TO E2.X SERIES SHEETS FOR LOCATIONS. PROVIDE CONCRETE PAD PER DETAIL 28E07.2.
5. PROVIDE LOW-VOLTAGE CONDUCTORS FROM THE AUTOMATIC TRANSFER SWITCH TO THE GENERATOR FOR GENERATOR-START ON POWER FAILURE.
6. PROVIDE ISOLATED GROUND BUS TO BE MOUNTED EXTERNAL TO ENCLOSURE AT THE SERVICE EQUIPMENT, PER NEC 250.94.
7. PROVIDE 208V, 1Ø, 40A LOAD CENTER FOR GENERATOR BATTERY CHARGER, HEATER, ETC., INSIDE THE GENERATOR ENCLOSURE.
8. PROVIDE 4" HIGH HOUSEKEEPING PAD BELOW EQUIPMENT. PAD SHALL BE 1" LARGER IN EACH DIRECTION THAN EQUIPMENT TO BE SET.
9. EC PROVIDED FUSED DISCONNECT SWITCH, ATS, SECONDARY SERVICE CONDUCTORS, CONDUIT, AND TERMINATIONS TO DISCONNECT AND ATS BY EC.
10. PROVIDE PANELBOARD TYPE SURGE PROTECTION DEVICE (SPD). SEE SPECS FOR MORE DETAILS AND VERIFY OVERCURRENT PROTECTION DEVICE SIZE WITH MANUFACTURER PRIOR TO INSTALLATION.
11. PROVIDE NEW SIEMENS CIRCUIT BREAKER AS INDICATED IN EXISTING SPACE.
12. EXISTING TO REMAIN.
13. DEMOLISH PANELBOARD, FEEDERS, CONDUIT, AND CIRCUIT BREAKER BACK TO SOURCE PANEL. TURN OVER BREAKER TO OWNER. PREPARE SPACE TO BE REUSED DURING RENOVATION.
14. INTERCEPT EXISTING SECONDARY FEEDER AND MODIFY AS INDICATED RECONNECT TO EXISTING FEEDERS CONNECTED TO MDP.
15. EXCAVATE SECONDARY FEEDERS AND PREPARE TO MODIFY.

| FEEDER SCHEDULE |                        |          |                                                      |  |
|-----------------|------------------------|----------|------------------------------------------------------|--|
| PLAN MARK       | OVERCURRENT PROTECTION | AMPERAGE | FEEDER SIZE (COPPER, U.N.O.)                         |  |
| 20              | 20A                    | 20A      | 3 #12 & 1 #12Ø, 34°C                                 |  |
| 20N             | 20A                    | 20A      | 4 #12 & 1 #12Ø, 34°C                                 |  |
| 30              | 25A, 30A               | 30A      | 3 #10 & 1 #10Ø, 34°C                                 |  |
| 30N             | 25A, 30A               | 30A      | 4 #10 & 1 #10Ø, 34°C                                 |  |
| 40              | 35A, 40A               | 40A      | 3 #8 & 1 #8Ø, 34°C                                   |  |
| 40N             | 35A, 40A               | 40A      | 4 #8 & 1 #8Ø, 34°C                                   |  |
| 50              | 45A, 50A               | 50A      | 3 #6 & 1 #6Ø, 34°C                                   |  |
| 50N             | 45A, 50A               | 50A      | 4 #6 & 1 #6Ø, 1°C                                    |  |
| 70              | 60A, 70A               | 70A      | 3 #4 & 1 #4Ø, 1-14°C                                 |  |
| 70N, 70NT       | 60A, 70A               | 70A      | 4 #4 & 1 #4Ø, 1-14°C                                 |  |
| 100             | 80A, 90A, 100A         | 100A     | 3 #3 & 1 #3Ø, 1-14°C                                 |  |
| 100N            | 80A, 90A, 100A         | 100A     | 4 #3 & 1 #3Ø, 1-14°C                                 |  |
| 110             | 110A                   | 110A     | 3 #2 & 1 #2Ø, 1-14°C                                 |  |
| 110N, 110NT     | 110A                   | 110A     | 4 #2 & 1 #2Ø, 1-14°C                                 |  |
| 125             | 125A                   | 130A     | 3 #1 & 1 #1Ø, 1-12°C                                 |  |
| 125N            | 125A                   | 130A     | 4 #1 & 1 #1Ø, 1-12°C                                 |  |
| 150             | 150A                   | 150A     | 3 #1Ø & 1 #1Ø, 1-12°C                                |  |
| 150N            | 150A                   | 150A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 175             | 175A                   | 175A     | 3 #1Ø & 1 #1Ø, 1°C                                   |  |
| 175N            | 175A                   | 175A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 175NT           | 175A                   | 175A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 200             | 200A                   | 200A     | 3 #1Ø & 1 #1Ø, 1°C                                   |  |
| 200N            | 200A                   | 200A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 225             | 225A                   | 230A     | 3 #1Ø & 1 #1Ø, 1°C                                   |  |
| 225N            | 225A                   | 230A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 225NT           | 225A                   | 230A     | 4 #1Ø & 1 #1Ø, 1°C                                   |  |
| 250             | 250A                   | 250A     | 3-250 kcmil & 1 #4Ø, 3-12°C                          |  |
| 250N            | 250A                   | 250A     | 4-250 kcmil & 1 #4Ø, 3°C                             |  |
| 250NT           | 250A                   | 250A     | 4-250 kcmil & 1 #4Ø, 3°C                             |  |
| 300             | 300A                   | 310A     | 3-350 kcmil & 1 #4Ø, 3°C                             |  |
| 300N            | 300A                   | 310A     | 4-350 kcmil & 1 #4Ø, 3°C                             |  |
| 300NT           | 300A                   | 310A     | 4-350 kcmil & 1 #4Ø, 3°C                             |  |
| 350             | 350A                   | 360A     | 3-500 kcmil & 1 #4Ø, 3°C                             |  |
| 350N            | 350A                   | 360A     | 4-500 kcmil & 1 #4Ø, 3-12°C                          |  |
| 400             | 400A                   | 400A     | TWO SETS OF [3-400 kcmil & 1 #4Ø, 3-12°C]            |  |
| 400N            | 400A                   | 400A     | TWO SETS OF [4-400 kcmil & 1 #4Ø, 3-12°C]            |  |
| 400NT           | 400A                   | 400A     | TWO SETS OF [4-400 kcmil & 1 #4Ø, 3-12°C]            |  |
| 425             | 400A                   | 420A     | 3-600 kcmil & 1 #5Ø, 4°C                             |  |
| 425N            | 400A                   | 420A     | 4-600 kcmil & 1 #5Ø, 4°C                             |  |
| 425NT           | 400A                   | 420A     | 4-600 kcmil & 1 #1ØØ, 4°C                            |  |
| 450             | 450A                   | 460A     | TWO SETS OF [4-450 kcmil & 1 #5Ø, 4°C]               |  |
| 450N            | 450A                   | 460A     | TWO SETS OF [4-450 kcmil & 1 #5Ø, 4°C]               |  |
| 500             | 500A                   | 510A     | TWO SETS OF [3-500 kcmil & 1 #5Ø, 3-12°C]            |  |
| 500N            | 500A                   | 510A     | TWO SETS OF [4-500 kcmil & 1 #5Ø, 3°C]               |  |
| 600             | 600A                   | 620A     | TWO SETS OF [3-600 kcmil & 1 #1ØØ, 3°C]              |  |
| 600N            | 600A                   | 620A     | TWO SETS OF [4-600 kcmil & 1 #1ØØ, 3°C]              |  |
| 600NT           | 600A                   | 620A     | TWO SETS OF [4-600 kcmil & 1 #5ØØ, 4°C]              |  |
| 700             | 700A                   | 760A     | TWO SETS OF [3-700 kcmil & 1 #1ØØØ, 3°C]             |  |
| 700N            | 700A                   | 760A     | TWO SETS OF [4-700 kcmil & 1 #1ØØØ, 3°C]             |  |
| 700NT           | 700A                   | 760A     | TWO SETS OF [4-700 kcmil & 1 #5ØØØ, 4°C]             |  |
| 800             | 800A                   | 840A     | TWO SETS OF [3-800 kcmil & 1 #1ØØØ, 4°C]             |  |
| 800N            | 800A                   | 840A     | TWO SETS OF [4-800 kcmil & 1 #1ØØØ, 4°C]             |  |
| 800NT           | 800A                   | 840A     | TWO SETS OF [4-800 kcmil & 1 #3ØØØ, 4°C]             |  |
| 1000            | 1000A                  | 1140A    | THREE SETS OF [3-1000 kcmil & 1 #1ØØØ, 3-12°C]       |  |
| 1000N           | 1000A                  | 1140A    | THREE SETS OF [4-1000 kcmil & 1 #3ØØØ, 3-12°C]       |  |
| 1200            | 1200A                  | 1260A    | FOUR SETS OF [3-1200 kcmil & 1 #3ØØØ, 3°C]           |  |
| 1200N           | 1200A                  | 1260A    | FOUR SETS OF [4-1200 kcmil & 1 #3ØØØ, 3°C]           |  |
| 1200NT          | 1200A                  | 1260A    | FOUR SETS OF [4-1200 kcmil & 1 #4ØØØ, 4°C]           |  |
| 1600            | 1600A                  | 1680A    | FOUR SETS OF [3-1600 kcmil & 1 #4ØØØ, 4°C]           |  |
| 1600N           | 1600A                  | 1680A    | FOUR SETS OF [4-1600 kcmil & 1 #4ØØØ, 4°C]           |  |
| 2000            | 2000A                  | 2280A    | SIX SETS OF [3-2000 kcmil & 1-1200 kcmil G., 3-12°C] |  |
| 2000N           | 2000A                  | 2280A    | SIX SETS OF [4-2000 kcmil & 1-250 kcmil G., 4°C]     |  |
| 2500            | 2500A                  | 2660A    | SEVEN SETS OF [3-2500 kcmil & 1-350 kcmil G., 4°C]   |  |
| 2500N           | 2500A                  | 2660A    | SEVEN SETS OF [4-2500 kcmil & 1-350 kcmil G., 4°C]   |  |
| 3000            | 3000A                  | 3040A    | EIGHT SETS OF [3-3000 kcmil & 1-400 kcmil G., 4°C]   |  |
| 3000N           | 3000A                  | 3040A    | EIGHT SETS OF [4-3000 kcmil & 1-400 kcmil G., 4°C]   |  |
| 4000            | 4000A                  | 4180A    | TEN SETS OF [3-4000 kcmil & 1-500 kcmil G., 4°C]     |  |
| 4000N           | 4000A                  | 4180A    | TEN SETS OF [4-4000 kcmil & 1-500 kcmil G., 4°C]     |  |

FEEDER SCHEDULE NOTES:  
1. ALL FEEDERS FOLLOWING A FEEDER SIZE INDICATES A SERVICE FEEDER. GROUND CONDUCTORS MAY BE OMITTED FROM THESE SERVICE FEEDERS.  
2. ALL FIRE PUMP FEEDERS FROM A SERVICE TRANSFORMER SHALL BE PROVIDED WITH A NEUTRAL.

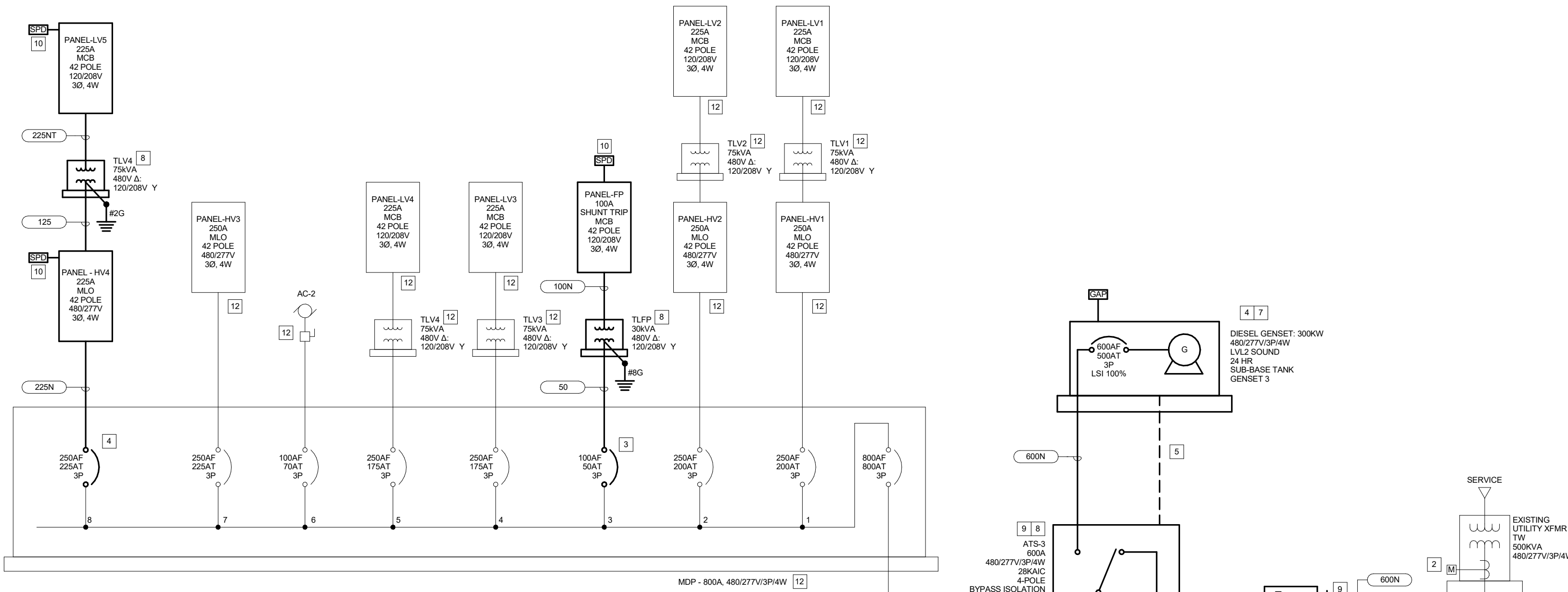
| ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE           |                                                    |              |
|------------------------------------------------------|----------------------------------------------------|--------------|
| DESCRIPTION                                          | FURNISHED BY                                       | INSTALLED BY |
| PRIMARY CONDUIT                                      | UTL                                                | UTL          |
| UTILITY TRANSFORMER                                  | UTL                                                | UTL          |
| ALL SERVICE TRANSFORMER GROUND RODS                  | UTL                                                | UTL          |
| CTSPPTS IN TRANSFORMER                               | UTL                                                | UTL          |
| SECONDARY CONDUIT FROM K-FRAME TO ATSDISC NOTE 3 & 5 | EC                                                 | EC           |
| SECONDARY CONDUCTOR TERMINATION @ ATSDISC NOTE 1     | EC                                                 | EC           |
| SECONDARY CONDUCTOR TERMINATION @ ATSDISC            | EC                                                 | EC           |
| SECONDARY CONDUCTOR TERMINATION @ TRANSFORMER        | UTL                                                | UTL          |
| SECONDARY CONDUCTOR LUGS (AT ATSDISC)                | EC                                                 | EC           |
| METER                                                | UTL                                                | UTL          |
| METER SOCKET INSTALLATION ON TRANSFORMER             | UTL                                                | UTL          |
| EC: ELECTRICAL CONTRACTOR                            | UTILITY CO. - TAYLOR COUNTY ELECTRICAL CO-OP/PAVTE |              |
| GC: GENERAL CONTRACTOR                               | MKE BRAGGS                                         |              |
| UTL: UTILITY CO                                      | EMAIL: MKEBRAGGS@TCREC.COM                         |              |

ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE NOTES:  
1. THE ELC SHALL INSTALL THE ELECTRICAL SERVICE IN CONFORMANCE WITH ALL GOVERNING RULES AND REGULATIONS - CITY, LOCAL, UTILITY CO. ETC. THE ELC SHALL CONFORM WITH THE UTILITY CO.'S SERVICE REQUIREMENTS. REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO TRANSFORMER PAD LOCATION, SERVICE EQUIPMENT, TRANSFORMER GROUNDS, REQUIRED INSPECTIONS, SECONDARY CONDUCTOR LENGTH LEFT AT SERVICE TRANSFORMER, CLEANABLES, ETC.  
2. SECONDARY CONDUITS SHALL BE PER THE ONE-LINE DIAGRAM.  
3. UTILITY COMPANY WILL FURNISH THE METER, METER CONDUCTORS AND MAKE ALL TERMINATIONS. COORDINATE EXACT REQUIREMENTS WITH THE UTILITY COMPANY. PROVIDE GROUNDING CONDUCTOR PER UTILITY REQUIREMENTS.  
4. UTILITY COMPANY WILL PROVIDE THE CTSPTS.  
5. INSTALL PULL ROPE IN SECONDARY CONDUITS.  
6. EC TO PROVIDE PRIMARY CONDUITS BELOW AND 3" PAST XMBR PAD.



ELECTRICAL ONE LINE DIAGRAM - OPS/VEHICLE STORAGE - DEMO

NO SCALE



ELECTRICAL ONE LINE DIAGRAM - OPS/VEHICLE STORAGE - RENO

NO SCALE

SSC JOB# 2025456



| FEEDER SCHEDULE         |                                  |                         |                                                                                                                                  |
|-------------------------|----------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PLAN MARK               | OVERCURRENT PROTECTION           | AMPERAGE                | FEEDER SIZE (COPPER, U.N.G.)                                                                                                     |
| 20<br>20N               | 20A<br>20A                       | 20A<br>20A              | 3 #12 & 1 #12G, 3/4"C.<br>4 #12 & 1 #12G, 3/4"C.                                                                                 |
| 30<br>30N               | 25A, 30A<br>25A, 30A             | 30A<br>30A              | 3 #10 & 1 #10G, 3/4"C.<br>4 #10 & 1 #10G, 3/4"C.                                                                                 |
| 40<br>40N               | 35A, 40A<br>35A, 40A             | 40A<br>40A              | 3 #8 & 1 #10G, 3/4"C.<br>4 #8 & 1 #10G, 3/4"C.                                                                                   |
| 50<br>50N               | 45A, 50A<br>45A, 50A             | 55A<br>55A              | 3 #6 & 1 #10G, 3/4"C.<br>4 #6 & 1 #10G, 1"C.                                                                                     |
| 70<br>70N, 70NT         | 60A, 70A<br>60A, 70A             | 70A<br>70A              | 3 #4 & 1 #8G, 1-1/4"C.<br>4 #4 & 1 #8G, 1-1/4"C.                                                                                 |
| 100<br>100N             | 80A, 90A, 100A<br>80A, 90A, 100A | 100A<br>100A            | 3 #3 & 1 #8G, 1-1/4"C.<br>4 #3 & 1 #8G, 1-1/4"C.                                                                                 |
| 110<br>110N, 110NT      | 110A<br>110A                     | 115A<br>115A            | 3 #2, 1 #6G, 1-1/2"C.<br>4 #2, 1 #6G, 1-1/2"C.                                                                                   |
| 125<br>125N             | 125A<br>125A                     | 130A<br>130A            | 3 #1 & 1 #6G, 1-1/2"C.<br>4 #1 & 1 #6G, 1-1/2"C.                                                                                 |
| 150<br>150N             | 150A<br>150A                     | 150A<br>150A            | 3 #1/0 & 1 #6G, 1-1/2"C.<br>4 #1/0 & 1 #6G, 1-1/2"C.                                                                             |
| 175<br>175N<br>175NT    | 175A<br>175A<br>175A             | 175A<br>175A<br>175A    | 3 #2/0 & 1 #6G, 2"C.<br>4 #2/0 & 1 #6G, 2"C.<br>4 #2/0 & 1 #4G, 2"C.                                                             |
| 200<br>200N             | 200A<br>200A                     | 200A<br>200A            | 3 #3/0 & 1 #6G, 2"C.<br>4 #3/0 & 1 #6G, 2-1/2"C.                                                                                 |
| 225<br>225N<br>225NT    | 225A<br>225A<br>225A             | 230A<br>230A<br>230A    | 3 #4/0 & 1 #4G, 2"C.<br>4 #4/0 & 1 #4G, 2-1/2"C.<br>4 #4/0 & 1 #2G, 2-1/2"C.                                                     |
| 250<br>250N             | 250A<br>250A                     | 255A<br>255A            | 3-250 kcmil & 1 #4G, 2-1/2"C.<br>4-250 kcmil & 1 #4G, 3"C.<br>4-250 kcmil & 1 #2G, 3"C.                                          |
| 300<br>300N<br>300NT    | 300A<br>300A<br>300A             | 310A<br>310A<br>310A    | 3-350 kcmil & 1 #4G, 3"C.<br>4-350 kcmil & 1 #4G, 3"C.<br>4-350 kcmil & 1 #2G, 3"C.                                              |
| 350<br>350N             | 350A<br>350A                     | 380A<br>380A            | 3-500 kcmil & 1 #3G, 3"C.<br>4-500 kcmil & 1 #5G, 3-1/2"C.                                                                       |
| 400<br>400N<br>400NT    | 400A<br>400A<br>400A             | 400A<br>400A<br>400A    | TWO SETS OF [3 #3/0 & 1 #3G, 2"C]<br>TWO SETS OF [4 #3/0 & 1 #3G, 2"C]<br>TWO SETS OF [4 #3/0 & 1 #2G, 2"C]                      |
| 420<br>420N<br>420NT    | 400A<br>400A<br>400A             | 420A<br>420A<br>420A    | 3-600 kcmil & 1 #3G, 4"C.<br>4-600 kcmil & 1 #3G, 4"C.<br>4-600 kcmil & 1 #10G, 4"C.                                             |
| 450<br>450N             | 450A<br>450A                     | 460A<br>460A            | TWO SETS OF [3 #4/0, 1 #2G, 2"C]<br>TWO SETS OF [4 #4/0, 1 #2G, 2"C]                                                             |
| 500<br>500N             | 500A<br>500A                     | 510A<br>510A            | TWO SETS OF [3-250 kcmil & 1 #2G, 2-1/2"C]<br>TWO SETS OF [4-250 kcmil & 1 #2G, 3"C]                                             |
| 600<br>600N<br>600NT    | 600A<br>600A<br>600A             | 620A<br>620A<br>620A    | TWO SETS OF [3-350 kcmil & 1 #1G, 3"C]<br>TWO SETS OF [4-350 kcmil & 1 #1G, 3"C]<br>TWO SETS OF [4-350 kcmil & 1 #20G, 3"C]      |
| 700<br>700N<br>700NT    | 700A<br>700A<br>700A             | 760A<br>760A<br>760A    | TWO SETS OF [3-500 kcmil & 1 #10G, 3"C]<br>TWO SETS OF [4-500 kcmil & 1 #10G, 3"C]<br>TWO SETS OF [4-500 kcmil & 1 #20G, 3"C]    |
| 800<br>800N<br>800NT    | 800A<br>800A<br>800A             | 840A<br>840A<br>840A    | TWO SETS OF [3-600 kcmil & 1 #10G, 4"C]<br>TWO SETS OF [4-600 kcmil & 1 #10G, 4"C]<br>TWO SETS OF [4-600 kcmil & 1 #30G, 4"C]    |
| 1000<br>1000N           | 1000A<br>1000A                   | 1140A<br>1140A          | THREE SETS OF [3-500 kcmil & 1 #20G, 3-1/2"C.]<br>THREE SETS OF [4-500 kcmil & 1 #20G, 3-1/2"C.]                                 |
| 1200<br>1200N<br>1200NT | 1200A<br>1200A<br>1200A          | 1240A<br>1240A<br>1240A | FOUR SETS OF [3-350 kcmil & 1 #30G, 3"C]<br>FOUR SETS OF [4-350 kcmil & 1 #30G, 3"C]<br>FOUR SETS OF [4-350 kcmil & 1 #40G, 3"C] |
| 1600<br>1600N           | 1600A<br>1600A                   | 1680A<br>1680A          | FOUR SETS OF [3-600 kcmil & 1 #40G, 4"C]<br>FOUR SETS OF [4-600 kcmil & 1 #40G, 4"C]                                             |
| 2000<br>2000N           | 2000A<br>2000A                   | 2280A<br>2280A          | SIX SETS OF [3-500 kcmil & 1-250 kcmil G, 3-1/2"C.]<br>SIX SETS OF [4-500 kcmil & 1-250 kcmil G, 4"C.]                           |
| 2500<br>2500N           | 2500A<br>2500A                   | 2660A<br>2660A          | SEVEN SETS OF [3-500 kcmil & 1-350 kcmil G, 4"C]<br>SEVEN SETS OF [4-500 kcmil & 1-350 kcmil G, 4"C]                             |
| 3000<br>3000N           | 3000A<br>3000A                   | 3040A<br>3040A          | EIGHT SETS OF [3-500 kcmil & 1-400 kcmil G, 4"C]<br>EIGHT SETS OF [4-500 kcmil & 1-400 kcmil G, 4"C]                             |
| 4000<br>4000N           | 4000A<br>4000A                   | 4180A<br>4180A          | TEN SETS OF [3-600 kcmil & 1-500 kcmil G, 4"C]<br>TEN SETS OF [4-600 kcmil & 1-500 kcmil G, 4"C]                                 |

## FEEDER SCHEDULE NOTES:

1. AN "S" FOLLOWING A FEEDER SIZE INDICATES A SERVICE FEEDER; GROUND CONDUCTORS MAY BE OMITTED FROM THESE SERVICE FEEDERS.  
2. ALL FIRE PUMP FEEDERS FROM A SERVICE TRANSFORMER SHALL BE PROVIDED WITH A NEUTRAL.

| ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE          |                                                    |                   |
|-----------------------------------------------------|----------------------------------------------------|-------------------|
| DESCRIPTION                                         | FURNISHED BY                                       | INSTALLED BY      |
| PRIMARY CONDUIT                                     | UTL                                                | UTL               |
| PRIMARY CONDUCTORS & TERMINATIONS                   | UTL                                                | UTL               |
| UTILITY TRANSFORMER CONCRETE PAD - NOTE 1           | EC                                                 | EC                |
| UTILITY TRANSFORMER                                 | UTL                                                | UTL               |
| ALL SERVICE TRANSFORMER GROUND RODS - NOTE 1        | UTL                                                | UTL               |
| CTS/PTS IN TRANSFORMER - NOTE 4                     | UTL                                                | UTL               |
| SECONDARY CONDUIT (FROM XFMR TO ATSDISC) NOTE 2 & 5 | EC                                                 | EC                |
| SECONDARY CONDUCTOR (FROM XFMR @ ATSDISC) NOTE 1    | EC                                                 | EC                |
| SECONDARY CONDUCTOR TERMINATION @ TRANSFORMER       | UTL                                                | UTL               |
| SECONDARY CONDUCTOR LUGS (AT TRANSFORMER)           | UTL                                                | UTL               |
| SECONDARY CONDUCTOR LUGS (AT ATSDISC)               | EC                                                 | EC                |
| METER - NOTE 3                                      | UTL                                                | UTL               |
| METER SOCKET/WIRING/INSTALLATION ON TRANSFORMER     | UTL                                                | UTL               |
| EC - ELECTRICAL CONTRACTOR                          | UTILITY CO. - TAYLOR COUNTY ELECTRICAL COOPERATIVE | MIKE SKAGGS       |
| GC - GENERAL CONTRACTOR                             | MIKE SKAGGS                                        | MIKE SKAGGS       |
| UTL - UTILITY CO.                                   | UTL - UTILITY CO.                                  | UTL - UTILITY CO. |

ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE NOTES:

1. THE ELC SHALL INSTALL THE ELECTRICAL SERVICE IN CONFORMANCE WITH ALL GOVERNING RULES AND REGULATIONS. CITY, LOCAL, UTILITY CO. ETC. THE ELC SHALL CONFORM WITH THE UTILITY CO.'S SERVICE REQUIREMENTS. REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO TRANSFORMER PAD LOCATION, SERVICE TRANSFORMER GROUNDS, REQUIRED INSPECTIONS, SECONDARY CONDUCTOR LENGTH LEFT AT SERVICE TRANSFORMER, CLEARANCES, ETC.

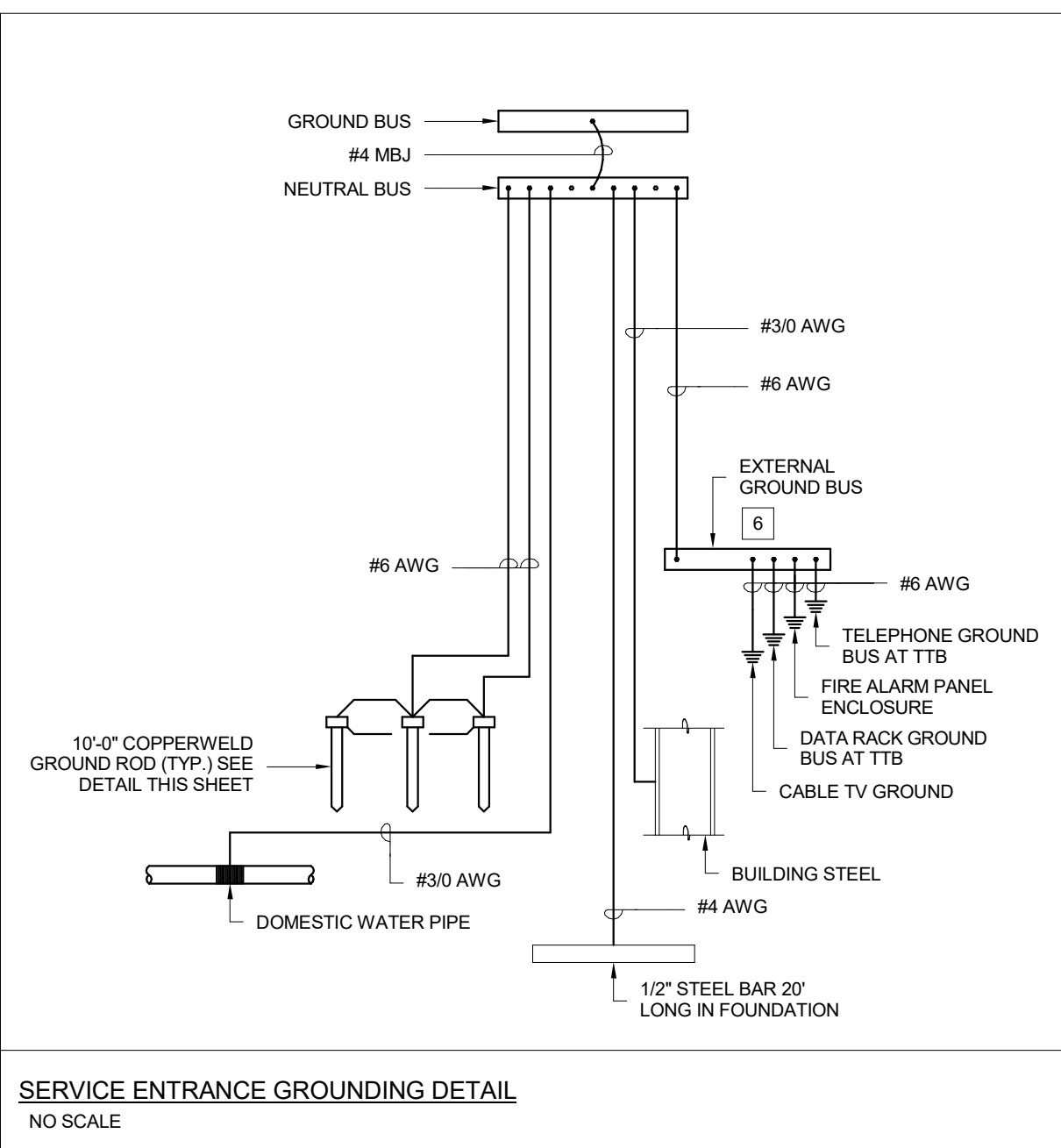
2. SECONDARY CONDUITS SHALL BE PER THE ONE LINE DIAGRAM.

3. UTILITY COMPANY WILL FURNISH THE METER, METER CONDUCTORS AND MAKE ALL TERMINATIONS. COORDINATE EXACT REQUIREMENTS WITH THE UTILITY COMPANY. PROVIDE GROUNDING CONDUCTOR PER UTILITY REQUIREMENTS.

4. UTILITY COMPANY WILL PROVIDE THE CTS/PTS.

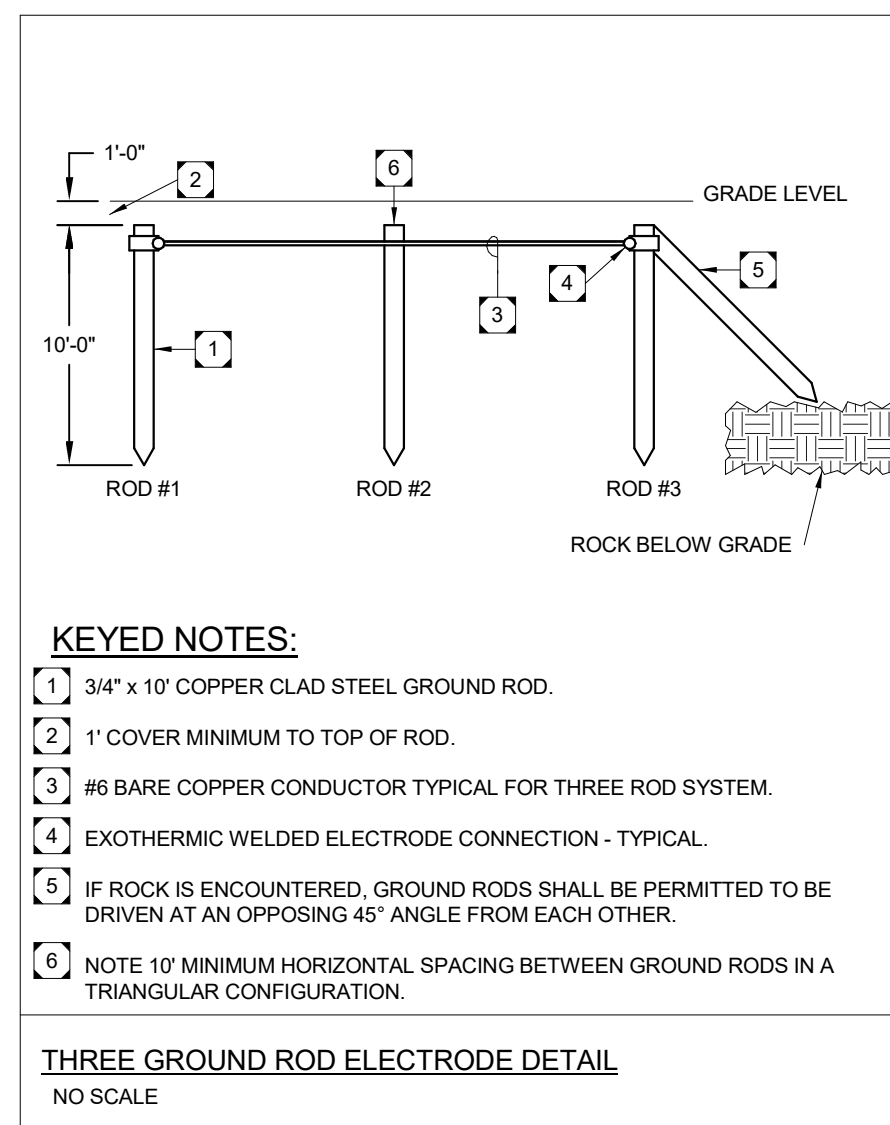
5. INSTALL PULL ROPE IN SECONDARY CONDUIT(S).

6. EC TO PROVIDE PRIMARY CONDUITS BELOW AND 3' PAST XFMR PAD.



SERVICE ENTRANCE GROUNDING DETAIL

NO SCALE



THREE GROUND ROD ELECTRODE DETAIL

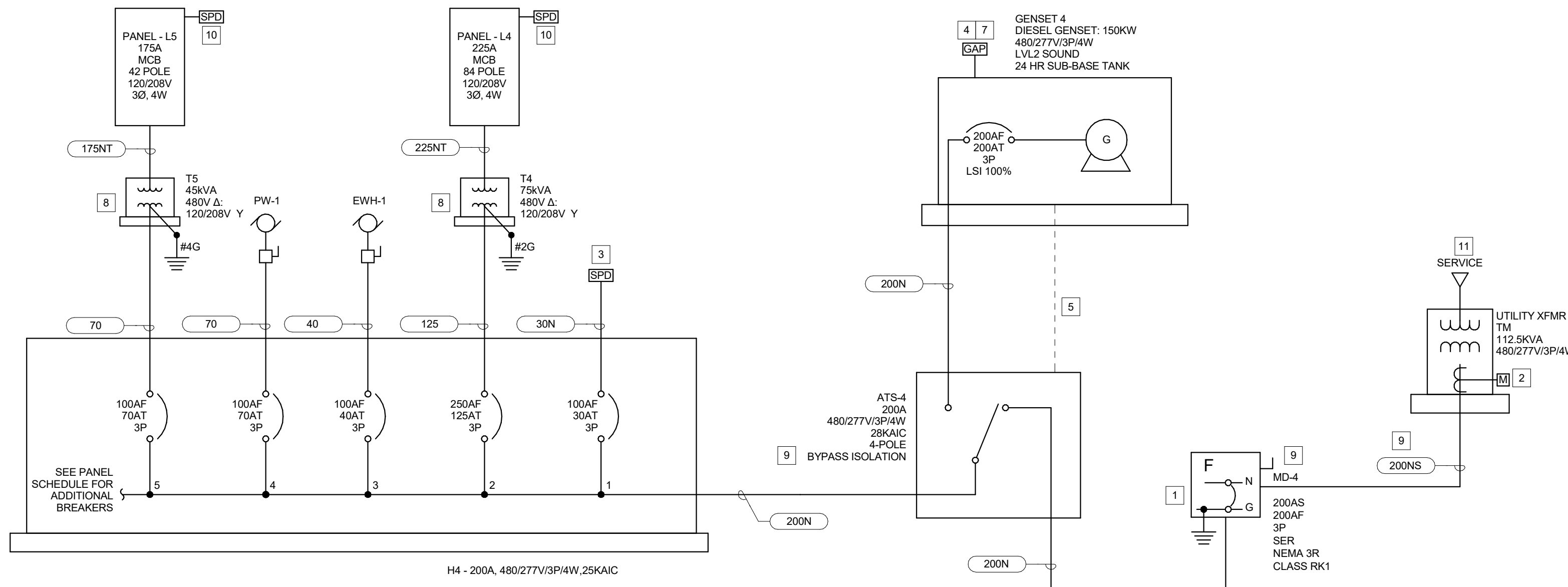
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## ELECTRICAL GENERAL NOTES:

- REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
- PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
- OVERSIZED FEEDERS HAVE BEEN SIZED TO LIMIT VOLTAGE DROP. PROVIDE PROPER LUGS OR PIGTAIL ADAPTERS. FUSES FOR SPECIFIC MECHANICAL EQUIPMENT HAVE BEEN PROVIDED TO LIMIT AVAILABLE FAULT CURRENT AT THE EQUIPMENT.
- AIC RATINGS INDICATED ARE THE MINIMUM PERMISSIBLE TO MAINTAIN A FULLY RATED SYSTEM.

## KEYED NOTES:

- PROVIDE SERVICE ENTRANCE GROUNDING PER DETAILS ON THIS SHEET. PROVIDE ALL GROUNDING PER NEC 250.50.
- METER AND METERING CONDUCTORS WILL BE PROVIDED BY UTILITY. COORDINATE ALL REQUIREMENTS WITH THE UTILITY COMPANY FOR LOCATION AND GROUNDING.
- PROVIDE SERVICE ENTRANCE TYPE SURGE PROTECTION DEVICE (SPD). SEE SPECIFICATIONS FOR DETAILS AND VERIFY OVERCURRENT PROTECTION DEVICE SIZE WITH THE MANUFACTURER PRIOR TO INSTALLATION.
- PROVIDE GENERATOR IN WEATHERPROOF SOUND ATTENUATED HOUSING. SEE SPECIFICATIONS FOR DETAILS. PROVIDE WITH GENERATOR ANNUNCIATOR PANEL. REFER TO E2.X SERIES SHEETS FOR LOCATIONS. PROVIDE CONCRETE PAD PER DETAIL 2805.7.
- PROVIDE LOW-VOLTAGE CONDUCTORS FROM THE AUTOMATIC TRANSFER SWITCH TO THE GENERATOR FOR GENERATOR-START ON POWER FAILURE.
- PROVIDE ISOLATED GROUND BUS TO BE MOUNTED EXTERNAL TO ENCLOSURE AT THE SERVICE EQUIPMENT. PER NEC 250.94.
- PROVIDE 208V, 1/0, 40A LOAD CENTER FOR GENERATOR BATTERY CHARGER, HEATER, ETC., INSIDE THE GENERATOR ENCLOSURE.
- PROVIDE 4" HIGH HOUSEKEEPING PAD BELOW EQUIPMENT. PAD SHALL BE 1" LARGER IN EACH DIRECTION THAN EQUIPMENT TO BE SET.
- EC PROVIDED FUSED DISCONNECT SWITCH, ATS, SECONDARY SERVICE CONDUCTORS, CONDUIT, AND TERMINATIONS TO DISCONNECT AND ATS BY EC.
- PROVIDE PANELBOARD TYPE SURGE PROTECTION DEVICE (SPD). SEE SPECS FOR MORE DETAILS AND VERIFY OVERCURRENT PROTECTION DEVICE SIZE WITH MANUFACTURER PRIOR TO INSTALLATION.
- EC SHALL PROVIDE CONDUITS AS INDICATED BELOW AND 3 FOOT PAST CONCRETE PAD TO ALLOW FOR UTILITY PROVIDED CONDUCTORS. REFER TO E0.5.



ELECTRICAL ONE LINE DIAGRAM - MAINT/WASHBAY

NO SCALE

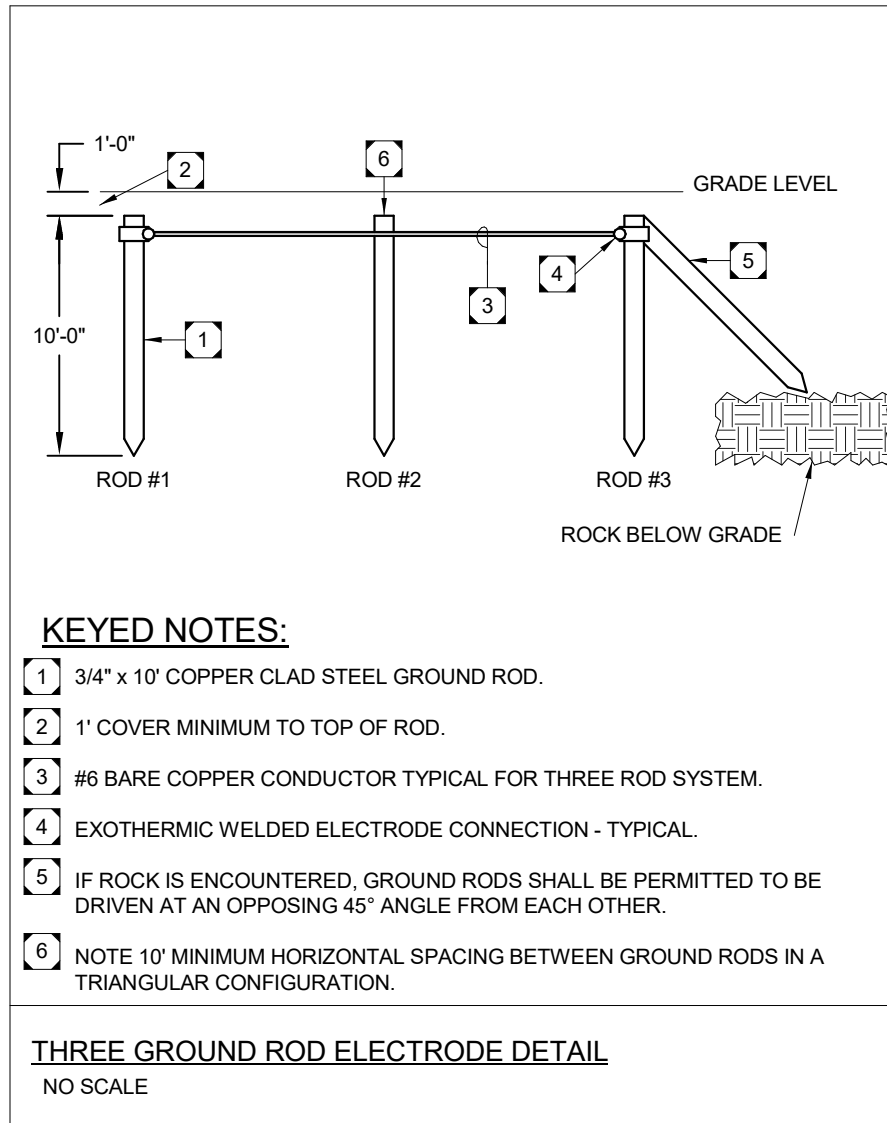
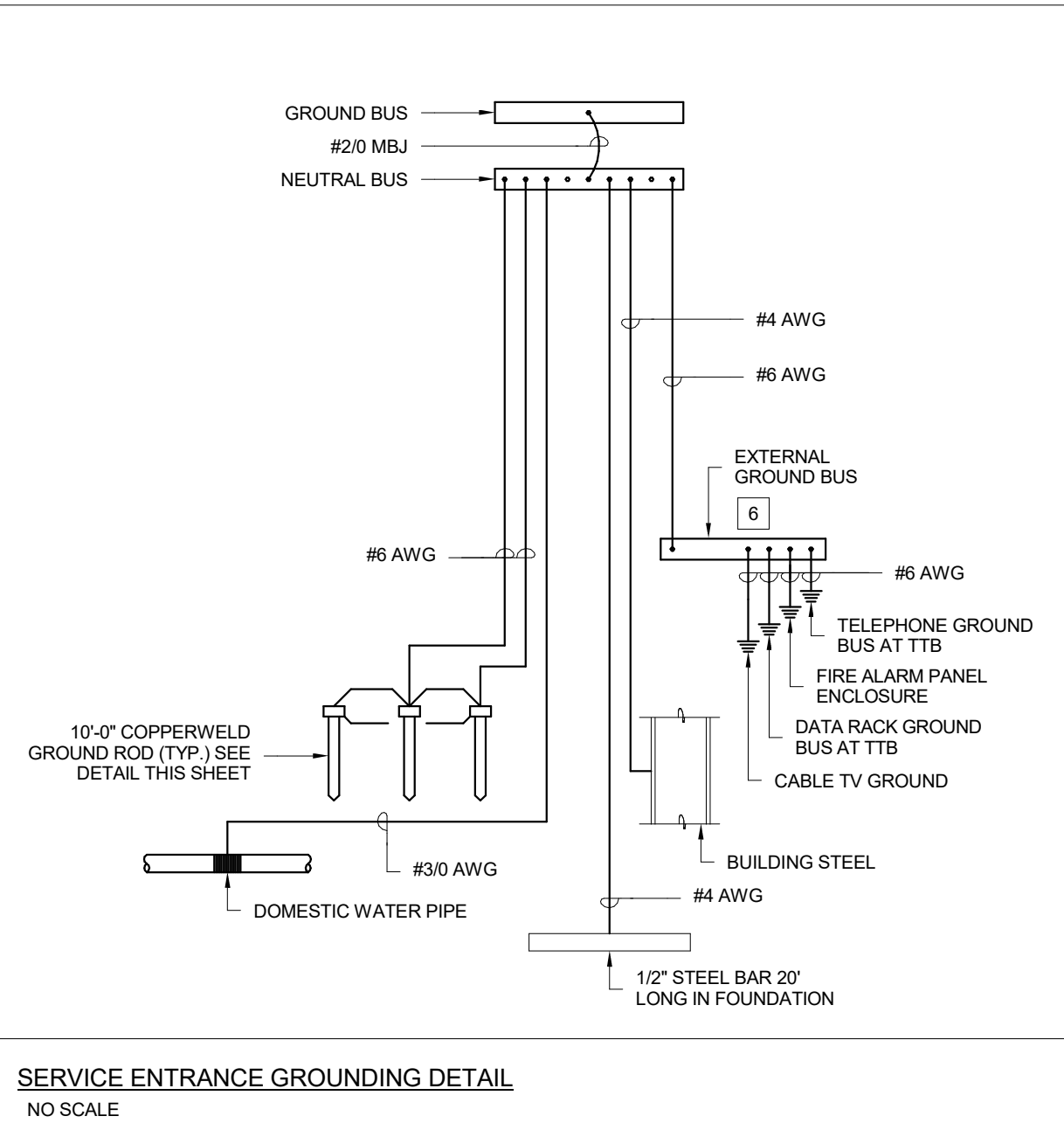


| FEEDER SCHEDULE                                                                                                                                                                                                                               |                                  |                         |                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|
| PLAN MARK                                                                                                                                                                                                                                     | OVERCURRENT PROTECTION           | AMPERAGE                | FEEDER SIZE (COPPER, U.N.O.)                                                                                                     |  |
| 20<br>20N                                                                                                                                                                                                                                     | 20A<br>20A                       | 20A<br>20A              | 3 #12 & 1 #12G, 3/4"C.<br>4 #12 & 1 #12G, 3/4"C.                                                                                 |  |
| 30<br>30N                                                                                                                                                                                                                                     | 25A, 30A<br>25A, 30A             | 30A<br>30A              | 3 #10 & 1 #10G, 3/4"C.<br>4 #10 & 1 #10G, 3/4"C.                                                                                 |  |
| 40<br>40N                                                                                                                                                                                                                                     | 35A, 40A<br>35A, 40A             | 40A<br>40A              | 3 #8 & 1 #10G, 3/4"C.<br>4 #8 & 1 #10G, 3/4"C.                                                                                   |  |
| 50<br>50N                                                                                                                                                                                                                                     | 45A, 50A<br>45A, 50A             | 55A<br>55A              | 3 #8 & 1 #10G, 3/4"C.<br>4 #8 & 1 #10G, 1"C.                                                                                     |  |
| 70<br>70N, 70NT                                                                                                                                                                                                                               | 60A, 70A<br>60A, 70A             | 70A<br>70A              | 3 #4 & 1 #6G, 1-1/4"C.<br>4 #4 & 1 #6G, 1-1/4"C.                                                                                 |  |
| 100<br>100N                                                                                                                                                                                                                                   | 80A, 90A, 100A<br>80A, 90A, 100A | 100A<br>100A            | 3 #3 & 1 #6G, 1-1/4"C.<br>4 #3 & 1 #6G, 1-1/4"C.                                                                                 |  |
| 110<br>110N, 110NT                                                                                                                                                                                                                            | 110A<br>110A                     | 115A<br>115A            | 3 #2 & 1 #6G, 1-1/4"C.<br>4 #2 & 1 #6G, 1-1/4"C.                                                                                 |  |
| 125<br>125N                                                                                                                                                                                                                                   | 125A<br>125A                     | 130A<br>130A            | 3 #1 & 1 #6G, 1-1/2"C.<br>4 #1 & 1 #6G, 1-1/2"C.                                                                                 |  |
| 150<br>150N                                                                                                                                                                                                                                   | 150A<br>150A                     | 150A<br>150A            | 3 #10 & 1 #6G, 1-1/2"C.<br>4 #10 & 1 #6G, 2"C.                                                                                   |  |
| 175<br>175N<br>175NT                                                                                                                                                                                                                          | 175A<br>175A<br>175A             | 175A<br>175A<br>175A    | 3 #20 & 1 #6G, 2"C.<br>4 #20 & 1 #6G, 2"C.<br>4 #20 & 1 #4G, 2"C.                                                                |  |
| 200<br>200N                                                                                                                                                                                                                                   | 200A<br>200A                     | 200A<br>200A            | 3 #30 & 1 #6G, 2"C.<br>4 #30 & 1 #6G, 2-1/2"C.                                                                                   |  |
| 225<br>225N<br>225NT                                                                                                                                                                                                                          | 225A<br>225A<br>225A             | 230A<br>230A<br>230A    | 3 #40 & 1 #4G, 2"C.<br>4 #40 & 1 #4G, 2-1/2"C.<br>4 #40 & 1 #2G, 2-1/2"C.                                                        |  |
| 250<br>250N<br>250NT                                                                                                                                                                                                                          | 250A<br>250A<br>250A             | 255A<br>255A<br>255A    | 3-250 kcmil & 1 #4G, 2-1/2"C.<br>4-250 kcmil & 1 #4G, 3"C.<br>4-250 kcmil & 1 #2G, 3"C.                                          |  |
| 300<br>300N<br>300NT                                                                                                                                                                                                                          | 300A<br>300A<br>300A             | 310A<br>310A<br>310A    | 3-350 kcmil & 1 #4G, 3"C.<br>4-350 kcmil & 1 #4G, 3"C.<br>4-350 kcmil & 1 #2G, 3"C.                                              |  |
| 350<br>350N                                                                                                                                                                                                                                   | 350A<br>350A                     | 380A<br>380A            | 3-500 kcmil & 1 #3G, 3"C.<br>4-500 kcmil & 1 #3G, 3-1/2"C.                                                                       |  |
| 400<br>400N<br>400NT                                                                                                                                                                                                                          | 400A<br>400A<br>400A             | 400A<br>400A<br>400A    | TWO SETS OF [3 #30 & 1 #3G, 2"C]<br>TWO SETS OF [4 #30 & 1 #6G, 2"C]<br>TWO SETS OF [4 #30 & 1 #2G, 2"C]                         |  |
| 420<br>420N<br>420NT                                                                                                                                                                                                                          | 400A<br>400A<br>400A             | 420A<br>420A<br>420A    | 3-600 kcmil & 1 #3G, 4"C.<br>4-600 kcmil & 1 #3G, 4"C.<br>4-600 kcmil & 1 #10G, 4"C.                                             |  |
| 450<br>450N                                                                                                                                                                                                                                   | 450A<br>450A                     | 460A<br>460A            | TWO SETS OF [3 #40, 1 #2G, 2"C]<br>TWO SETS OF [4 #40, 1 #2G, 2"C]                                                               |  |
| 500<br>500N                                                                                                                                                                                                                                   | 500A<br>500A                     | 510A<br>510A            | TWO SETS OF [3-250 kcmil & 1 #2G, 2-1/2"C]<br>TWO SETS OF [4-250 kcmil & 1 #2G, 3"C]                                             |  |
| 600<br>600N<br>600NT                                                                                                                                                                                                                          | 600A<br>600A<br>600A             | 620A<br>620A<br>620A    | TWO SETS OF [3-350 kcmil & 1 #1G, 3"C]<br>TWO SETS OF [4-350 kcmil & 1 #1G, 3"C]<br>TWO SETS OF [4-350 kcmil & 1 #20G, 3"C]      |  |
| 700<br>700N<br>700NT                                                                                                                                                                                                                          | 700A<br>700A<br>700A             | 760A<br>760A<br>760A    | TWO SETS OF [3-500 kcmil & 1 #10G, 3"C]<br>TWO SETS OF [4-500 kcmil & 1 #10G, 3"C]<br>TWO SETS OF [4-500 kcmil & 1 #20G, 3"C]    |  |
| 800<br>800N<br>800NT                                                                                                                                                                                                                          | 800A<br>800A<br>800A             | 840A<br>840A<br>840A    | TWO SETS OF [3-600 kcmil & 1 #10G, 4"C]<br>TWO SETS OF [4-600 kcmil & 1 #10G, 4"C]<br>TWO SETS OF [4-600 kcmil & 1 #30G, 4"C]    |  |
| 1000<br>1000N                                                                                                                                                                                                                                 | 1000A<br>1000A                   | 1140A<br>1140A          | THREE SETS OF [3-500 kcmil & 1 #20G, 3-1/2"C]<br>THREE SETS OF [4-500 kcmil & 1 #20G, 3-1/2"C]                                   |  |
| 1200<br>1200N<br>1200NT                                                                                                                                                                                                                       | 1200A<br>1200A<br>1200A          | 1240A<br>1240A<br>1240A | FOUR SETS OF [3-350 kcmil & 1 #30G, 3"C]<br>FOUR SETS OF [4-350 kcmil & 1 #30G, 3"C]<br>FOUR SETS OF [4-350 kcmil & 1 #40G, 3"C] |  |
| 1600<br>1600N                                                                                                                                                                                                                                 | 1600A<br>1600A                   | 1680A<br>1680A          | FOUR SETS OF [3-600 kcmil & 1 #40G, 4"C]<br>FOUR SETS OF [4-600 kcmil & 1 #40G, 4"C]                                             |  |
| 2000<br>2000N                                                                                                                                                                                                                                 | 2000A<br>2000A                   | 2280A<br>2280A          | SIX SETS OF [3-600 kcmil & 1-250 kcmil G, 4"C]<br>SIX SETS OF [4-600 kcmil & 1-250 kcmil G, 4"C]                                 |  |
| 2500<br>2500N                                                                                                                                                                                                                                 | 2500A<br>2500A                   | 2660A<br>2660A          | SEVEN SETS OF [3-500 kcmil & 1-350 kcmil G, 4"C]<br>SEVEN SETS OF [4-500 kcmil & 1-350 kcmil G, 4"C]                             |  |
| 3000<br>3000N                                                                                                                                                                                                                                 | 3000A<br>3000A                   | 3040A<br>3040A          | EIGHT SETS OF [3-500 kcmil & 1-400 kcmil G, 4"C]<br>EIGHT SETS OF [4-500 kcmil & 1-400 kcmil G, 4"C]                             |  |
| 4000<br>4000N                                                                                                                                                                                                                                 | 4000A<br>4000A                   | 4180A<br>4180A          | TEN SETS OF [3-600 kcmil & 1-500 kcmil G, 4"C]<br>TEN SETS OF [4-600 kcmil & 1-500 kcmil G, 4"C]                                 |  |
| FEEDER SCHEDULE NOTES:<br>1. AN 'S' FOLLOWING A FEEDER SIZE INDICATES A SERVICE FEEDER; GROUND CONDUCTORS MAY BE OMITTED FROM THESE SERVICE FEEDERS.<br>2. ALL FIRE PUMP FEEDERS FROM A SERVICE TRANSFORMER SHALL BE PROVIDED WITH A NEUTRAL. |                                  |                         |                                                                                                                                  |  |

| ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE           |                           |                                      |
|------------------------------------------------------|---------------------------|--------------------------------------|
| DESCRIPTION                                          | FURNISHED BY              | INSTALLED BY                         |
| PRIMARY CONDUIT                                      | UTL                       | UTL                                  |
| PRIMARY CONDUCTORS & TERMINATIONS                    | UTL                       | UTL                                  |
| UTILITY TRANSFORMER CONCRETE PAD - NOTE 1            | EC                        | EC                                   |
| UTILITY TRANSFORMER                                  | UTL                       | UTL                                  |
| ALL SERVICE TRANSFORMER GROUND RODS - NOTE 1         | UTL                       | UTL                                  |
| CTS/PTS IN TRANSFORMER - NOTE 4                      | UTL                       | UTL                                  |
| SECONDARY CONDUIT (FROM X-FMR TO ATSDISC) NOTE 2 & 5 | EC                        | EC                                   |
| SECONDARY CONDUCTOR (FROM X-FMR TO ATSDISC) NOTE 1   | EC                        | EC                                   |
| SECONDARY CONDUCTOR TERMINATION @ ATSDISC            | EC                        | EC                                   |
| SECONDARY CONDUCTOR TERMINATION @ TRANSFORMER        | UTL                       | UTL                                  |
| SECONDARY CONDUCTOR LUGS (AT TRANSFORMER)            | UTL                       | UTL                                  |
| SECONDARY CONDUCTOR LUGS (AT ATSDISC)                | EC                        | EC                                   |
| METER - NOTE 3                                       | UTL                       | UTL                                  |
| METER SOCKET/WIRING/INSTALLATION ON TRANSFORMER      | UTL                       | UTL                                  |
| EC - ELECTRICAL CONTRACTOR                           | UTILITY CO. -             | TAYLOR COUNTY ELECTRICAL COOPERATIVE |
| GC - GENERAL CONTRACTOR                              | MIKE SKAGGS               |                                      |
| UTL - UTILITY CO.                                    | EMAIL: MSKAGGS@TRECOC.COM |                                      |

ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE NOTES:

- THE ELC SHALL INSTALL THE ELECTRICAL SERVICE IN CONFORMANCE WITH ALL GOVERNING RULES AND REGULATIONS - CITY, LOCAL UTILITY CO, ETC. THE ELC SHALL CONFORM WITH THE UTILITY CO.'S SERVICE REQUIREMENTS. REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO TRANSFORMER PAD LOCATION, SERVICE TRANSFORMER GROUNDS, REQUIRED INSPECTIONS, SECONDARY CONDUCTOR LENGTH/LEFT AT SERVICE TRANSFORMER, CLEARANCES, ETC.
- SECONDARY CONDUITS SHALL BE PER THE ONE LINE DIAGRAM.
- UTILITY COMPANY WILL FURNISH THE METER, METER CONDUCTORS AND MAKE ALL TERMINATIONS. COORDINATE EXACT REQUIREMENTS WITH THE UTILITY COMPANY. PROVIDE GROUNDING CONDUCTOR PER UTILITY REQUIREMENTS.
- UTILITY COMPANY WILL PROVIDE THE CTS/PTS.
- INSTALL PULL ROPE IN SECONDARY CONDUIT(S).
- EC TO PROVIDE PRIMARY CONDUITS BELOW AND 3' PAST X-FMR PAD.

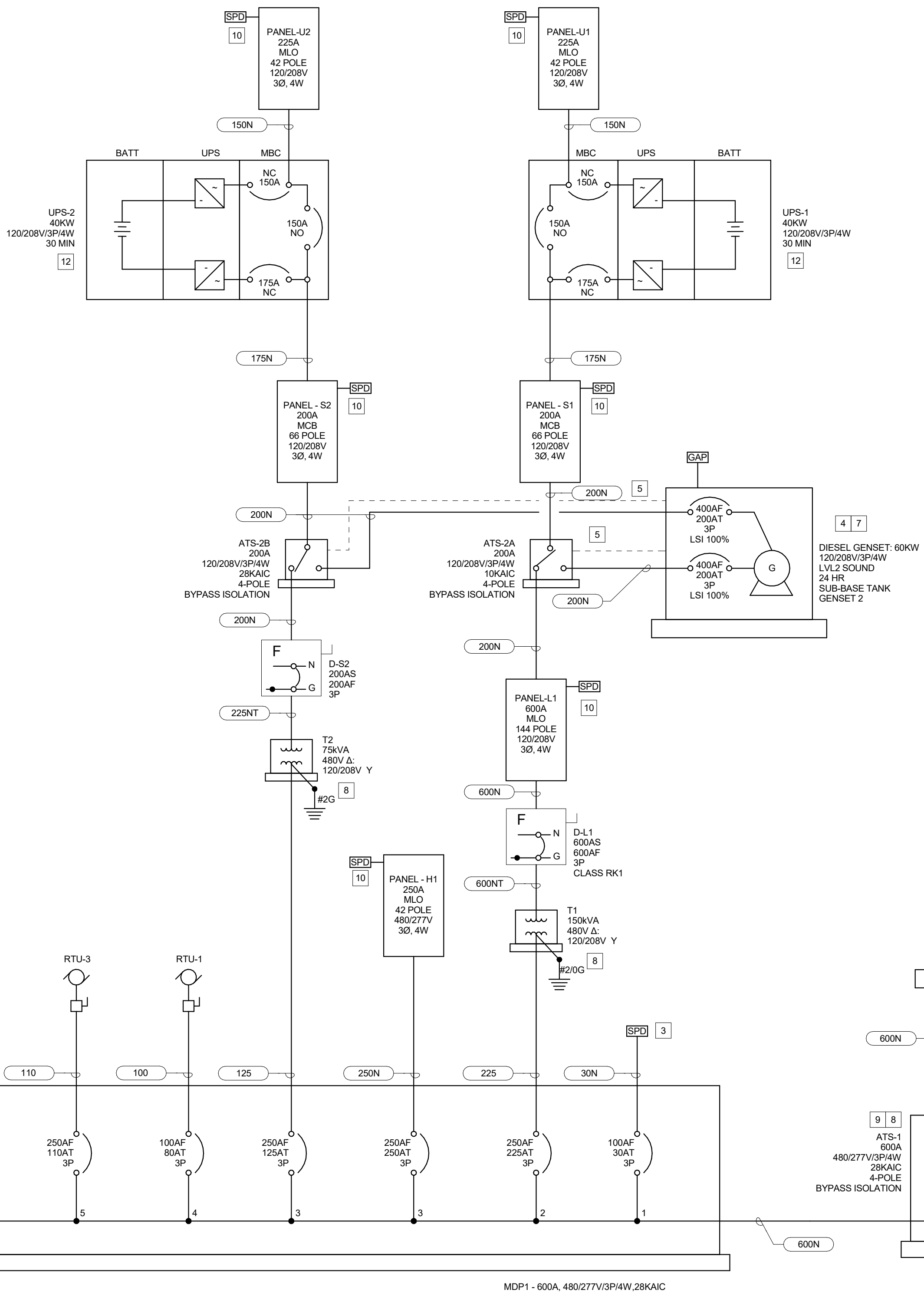


## ELECTRICAL GENERAL NOTES:

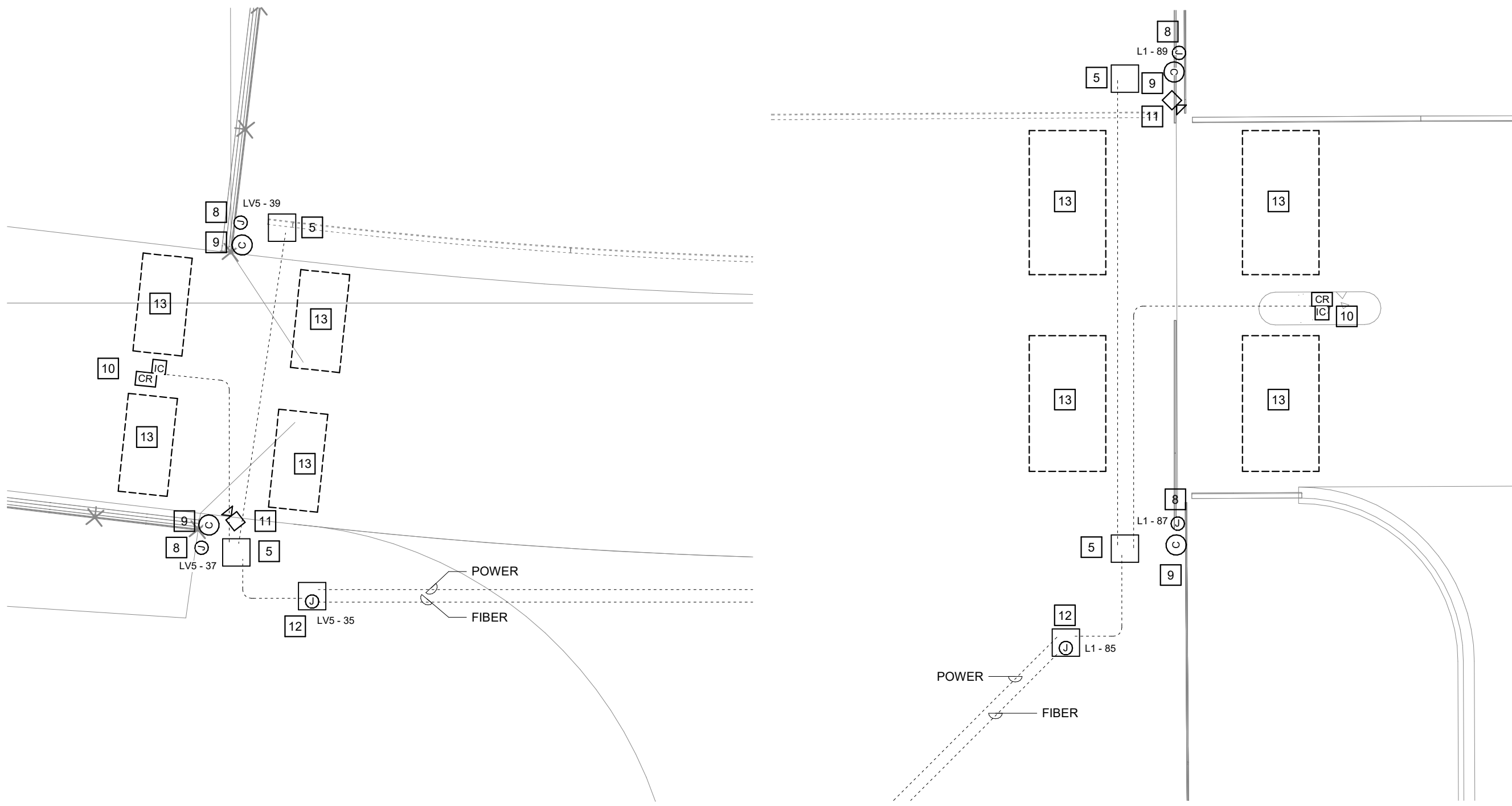
- REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
- PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
- OVERSIZED FEEDERS HAVE BEEN SIZED TO LIMIT VOLTAGE DROP. PROVIDE PROPER LUGS OR PIGTAIL ADAPTERS. FUSES FOR SPECIFIC MECHANICAL EQUIPMENT HAVE BEEN PROVIDED TO LIMIT AVAILABLE FAULT CURRENT AT THE EQUIPMENT.
- AIC RATINGS INDICATED ARE THE MINIMUM PERMISSIBLE TO MAINTAIN A FULLY RATED SYSTEM.

## KEYED NOTES:

- PROVIDE SERVICE ENTRANCE GROUNDING PER DETAILS ON THIS SHEET. PROVIDE ALL GROUNDING PER NEC 250.50.
- METER AND METERING CONDUCTORS WILL BE PROVIDED BY UTILITY. COORDINATE ALL REQUIREMENTS WITH THE UTILITY COMPANY FOR LOCATION AND GROUNDING.
- PROVIDE SERVICE ENTRANCE TYPE SURGE PROTECTION DEVICE (SPD). SEE SPECIFICATIONS FOR DETAILS AND VERIFY OVER-CURRENT PROTECTION DEVICE SIZE WITH THE MANUFACTURER PRIOR TO INSTALLATION.
- PROVIDE GENERATOR IN WEATHERPROOF SOUND ATTENUATED HOUSING. SEE SPECIFICATIONS FOR DETAILS. PROVIDE WITH GENERATOR ANNUNCIATOR PANEL. REFER TO E2.X SERIES SHEETS FOR LOCATIONS. PROVIDE CONCRETE PAD PER DETAIL 28E0.7.
- PROVIDE LOW-VOLTAGE CONDUCTORS FROM THE AUTOMATIC TRANSFER SWITCH TO THE GENERATOR FOR GENERATOR-START ON POWER FAILURE.
- PROVIDE ISOLATED GROUND BUS TO BE MOUNTED EXTERNAL TO ENCLOSURE AT THE SERVICE EQUIPMENT. PER NEC 250-94.
- PROVIDE 208V, 10, 40A LOAD CENTER FOR GENERATOR BATTERY CHARGER, HEATER, ETC., INSIDE THE GENERATOR ENCLOSURE.
- EC PROVIDED FUSED DISCONNECT SWITCH, ATS, SECONDARY SERVICE CONDUCTORS, CONDUIT, AND TERMINATIONS TO DISCONNECT AND ATS BY EC.
- PROVIDE PANELBOARD TYPE SURGE PROTECTION DEVICE (SPD). SEE SPECS FOR MORE DETAILS AND VERIFY OVERCURRENT PROTECTION DEVICE SIZE WITH MANUFACTURER PRIOR TO INSTALLATION.
- EC SHALL PROVIDE CONDUITS AS INDICATED BELOW AND 3 FOOT PAST CONCRETE PAD TO ALLOW FOR UTILITY PROVIDED CONDUCTORS. REFER TO E0.5.
- REDUNDANT UPS SYSTEM. REFER TO PANEL SCHEDULES AND FLOOR PLANS FOR ADDITIONAL INFORMATION.







**2 EAST GATE ENLARGED PLAN**  
SCALE: 1" = 10'-0"

**1 WEST GATE ENLARGED PLAN**  
SCALE: 1" = 10'-0"

**ELECTRICAL KEYED NOTES CONT:**

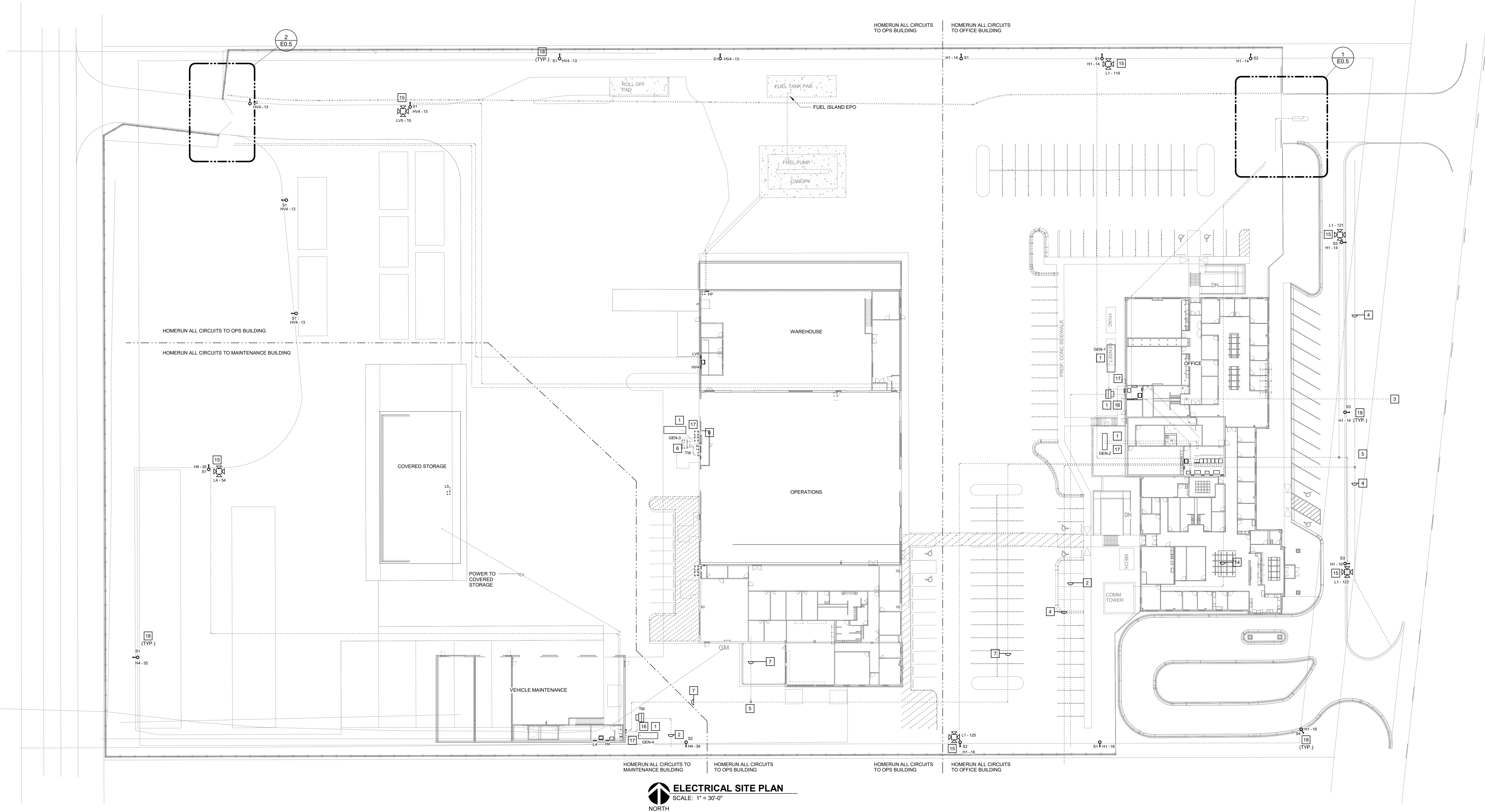
- 8 PROVIDE (1) 2" AND (2) 1-1/4" SCHEDULE 40 PVC CONDUIT BELOW GRADE TO GATE OPERATOR FOR MONITORING AND CONTROL OF GATE. HOMERUN CONDUIT TO CONTROL ENCLOSURE NEAR GATE. IF MULTIPLE GATES, INTERCONNECT SO ONE IS MASTER AND OTHER IS SATELLITE.
- 9 PROVIDE GATE CONTACT FOR ACCESS-CONTROL AS SHOWN. PROVIDE CABLES TO CONTROL ENCLOSURE NEAR GATES.
- 10 PROVIDE INTERCOM AND CARD READER FOR ACCESS-CONTROL AS SHOWN. PROVIDE CABLES BACK TO HARDENED SWITCH IN CONTROL ENCLOSURE. PROVIDE (2) DEVICES AT UPPER AND LOWER PEDESTAL CONNECTIONS. PROVIDE DUAL HEIGHT (22" AND 42") SINGLE POST, PAD-MOUNTED PEDESTAL WITH WEATHER HOOD EQUIVALENT TO PEDESTAL CEO #72-8C-DSP WITH LANDO-KY-20X14-E-BLK AND CS-ABP-1212. REFER TO DETAILS 32 AND 31E13. INTERCOM SHALL DIRECT DIAL TO OPERATIONS WAREHOUSE AND ROLL OVER TO ANOTHER OFFICE TO BE SELECTED BY TONE.
- 11 PROVIDE CAMERA ON SITE LIGHTING POLE ADJACENT TO CARD READER. MOUNT (1) CAMERA AT 5' AFF AND (1) AT 12' AFF. PROVIDE CAT 6 CABLE TO HARDENED SWITCH IN CONTROL ENCLOSURE.
- 12 PROVIDE A HINGED DOOR, NEMA 4XSS CONTROL ENCLOSURE NEAR THE VEHICLE GATES ON A UNISTRUT FRAME WITH 120 VOLT POWER. THE ENCLOSURE SHALL HOUSE AN INDUSTRIAL RATED IP FUSE SWITCH, POWER SUPPLY, DIN RAIL, FIBER PATCH PANEL, SURGE PROTECTION DEVICE AND ALL REQUIRED CONNECTIONS FOR INDIVIDUAL CAMERAS, ACCESS CONTROL AND IP DEVICES IN THE AREA. PROVIDE 6-STRAND OPTICAL FIBER AND PULL STRING IN 1-1/4" PVC SCHEDULE 40 CONDUIT TO SERVER ROOM RACK.
- 13 PROVIDE 1" SCHEDULE 40 PVC CONDUIT FOR INGROUND SENSORS PRESSURE PLATE FOR GATE OPERATOR. CONDUIT SHALL BE FOR CONDUCTORS UP TO FEEDER SLOT. EC SHALL VERIFY ADDITIONAL REQUIREMENTS WITH OWNER AND MANUFACTURER PRIOR TO ROUGH-IN.
- 14 PROVIDE (6) 4" CONDUITS WITH PULL TAPE FROM SERVER ROOM TO COMMUNICATION TOWER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER.
- 15 PROVIDE 1" CONDUIT WITH OneReach FIBER OPTIC CABLE TO SITE CAMERA. PROVIDE 2-PORT REMOTE SWITCH WITHIN NEMA 4X ENCLOSURE AT BASE OF POLE. CAMERA SHALL BE LOCATED 15' AFG ON SITE POLE. COORDINATE WITH POLE AND CAMERA MANUFACTURERS TO PROVIDE APPROPRIATE MOUNTING BRACKET.
- 16 PROVIDE SECONDARY DUCTBANK FROM PAD MOUNTED TRANSFORMER TO MDP. REFER TO 2/E0.7.
- 17 PROVIDE DUCTBANK FROM GENERATOR TO ATS. REFER TO 3/E0.7.
- 18 PROVIDE SITE LIGHT AND POLE BASE PER 17/E0.7. CIRCUIT AS INDICATED.

**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. EC SHALL FIELD VERIFY EXISTING POLES, MANHOLES, SPARE CONDUIT, RIGHTS-OF-WAY, UTILITIES, AND BUILDING LOCATIONS PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
3. PROVIDE 180# MULETAPE IN ALL NEW CONDUITS, INNERDUCTS AND IN ALL CONDUITS FOR NEW CABLE RUNS.
4. EC SHALL COORDINATE EXACT LOCATIONS, REQUIREMENTS, METERING AND TERMINATIONS WITH UTILITY PROVIDERS PRIOR TO BID.
5. COORDINATE ALL UNDERGROUND ELECTRICAL WORK AND UTILITY TIE-INS WITH UTILITY PROVIDERS AND WORK OF OTHER TRADES.
6. UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. ALL IN-GROUND CONDUITS SHALL BE 1" MINIMUM, SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
8. ELECTRICAL CONTRACTOR SHALL PROTECT AND EXTEND EXISTING SERVICES TO EXISTING BUILDINGS TO MAINTAIN CONTINUITY OF SERVICE. REROUTE EXISTING SERVICES AS REQUIRED TO AVOID CONSTRUCTION AND WORK OF OTHER TRADES.
9. ALL UNDERGROUND AND EXTERIOR CONDUCTORS SHALL BE TYPE "XHHW-2".
10. ALL SITE LIGHTING SHALL HAVE #10 WIRE U.N.O.

**ELECTRICAL KEYED NOTES:**

- 1 PROVIDE CONCRETE PAD FOR TRANSFORMER AND/OR GENSET. REFER TO DETAILS 28/E0.7 AND 21/E0.9.
- 2 NEW PRIMARY ELECTRIC TRENCH BY EC. EC SHALL VERIFY ALL REQUIREMENTS WITH UTILITY PRIOR TO ANY WORK. REFER TO ONE-LINE AND 1/E0.7 FOR ADDITIONAL RESPONSIBILITY INFORMATION.
- 3 PROVIDE (1) 1" CONDUIT WITH PULL STRING FROM ELECTRIC 135 TO YARD FOR MONUMENT SIGN. COORDINATE EXACT LOCATION OF CONDUIT STUB-UP WITH APPLICABLE TRADES.
- 4 PROVIDE TWO (2) SEPARATE INCOMING LOW VOLTAGE SERVICES CONSISTING OF TWO (2) 4" SCHEDULE 40 PVC CONDUITS FROM THE SERVER ROOM TO THE BUILDING EXTERIOR BEYOND THE PARKING LOT TOWARDS THE PROPERTY LINE FOR PHONE / ISP AND FIBER OPTIC UTILITY SERVICE. EC SHALL VERIFY ALL REQUIREMENTS WITH THE UTILITY COMPANY AND COORDINATE ALL OTHER REQUIREMENTS WITH APPLICABLE TRADES PRIOR TO ROUGH-IN. REFER TO 4/E0.7.
- 5 QUARTZ BOX (6"x6") TO BE INSTALLED BY E.C. COORDINATE WITH APPLICABLE TRADES. BOX SHALL BE EQUIVALENT TO QUARTZ #PG2424BA34 WITH COVER PG2424HH0021. INSTALL PER DETAIL 19/E0.7.
- 6 EXISTING TO REMAIN.
- 7 PROVIDE NEW FIBER OPTIC CABLE BACKBONE. REFER TO DETAIL 4/E0.7 FOR ADDITIONAL INFO. COORDINATE EXACT ROUTING W/ EXISTING SITE CONDUCTORS AND APPLICABLE TRADES.



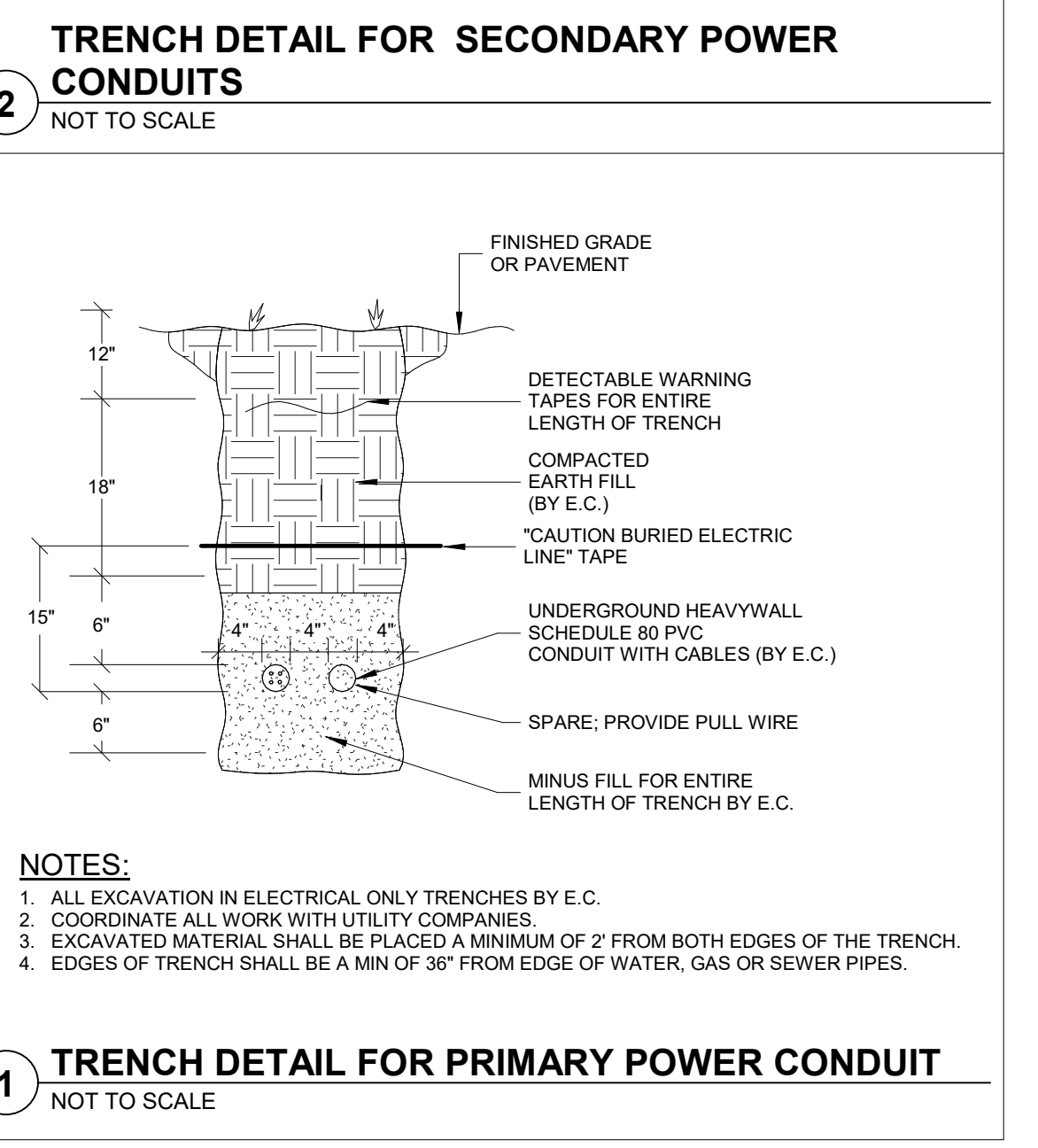
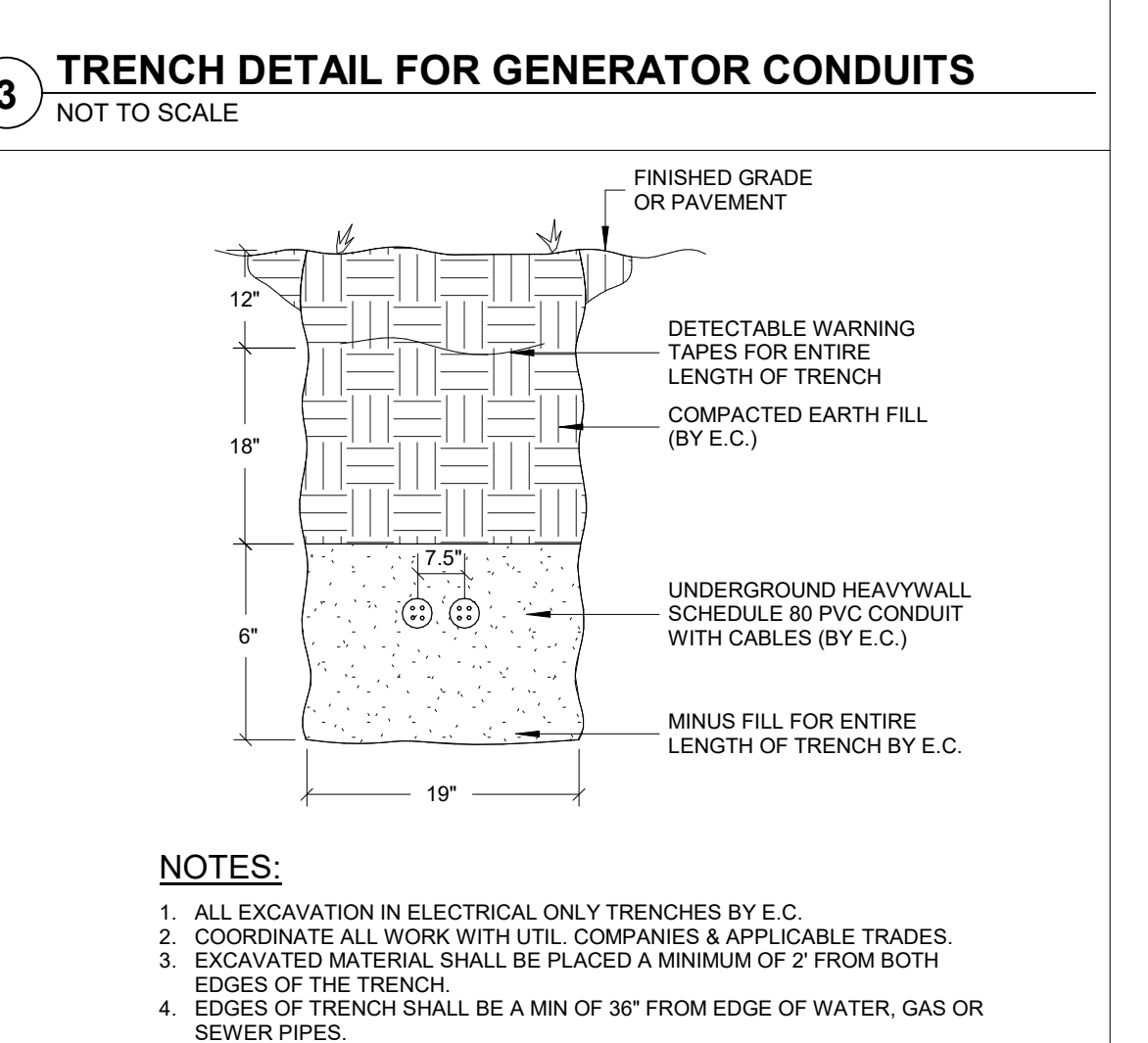
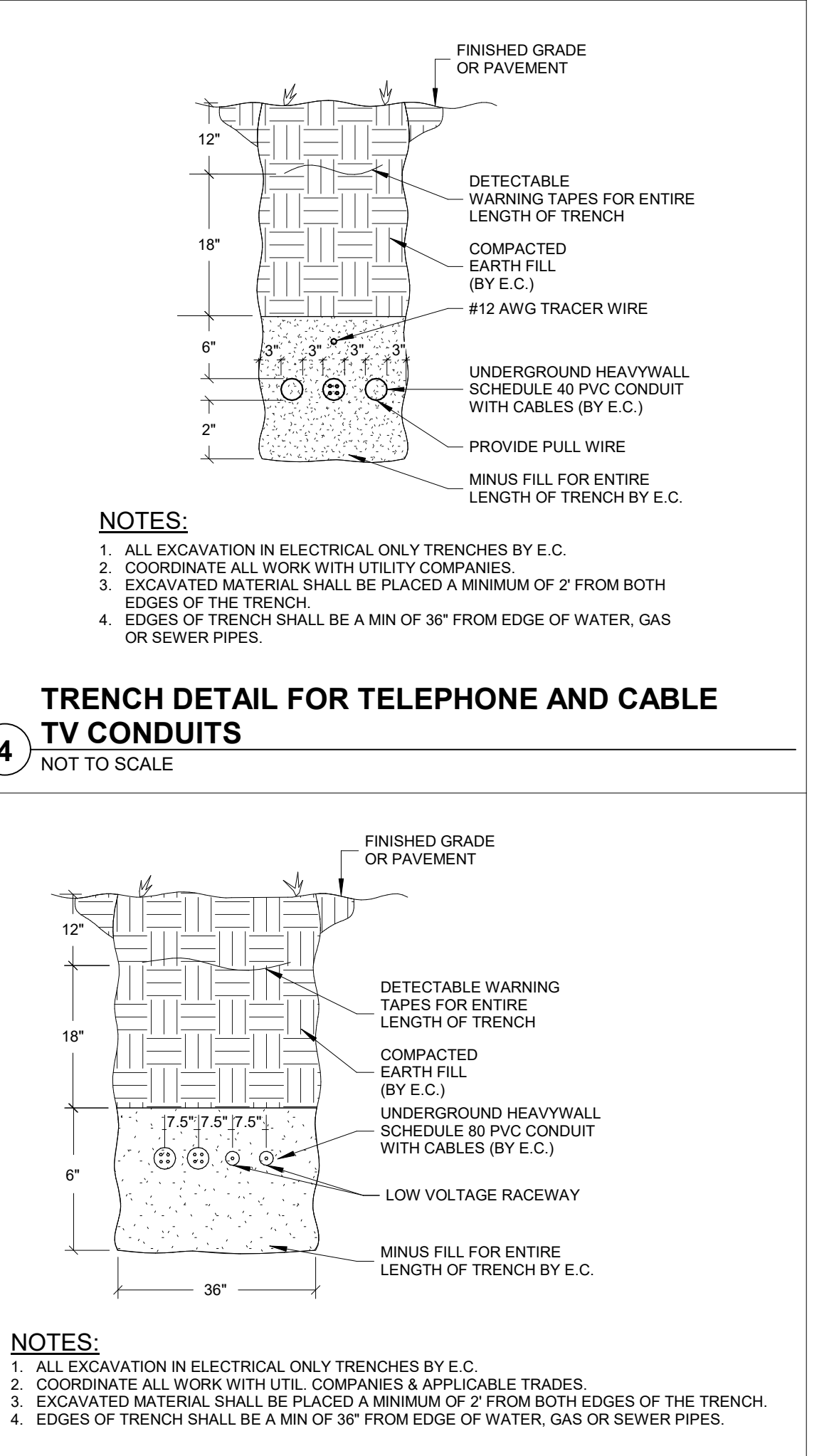
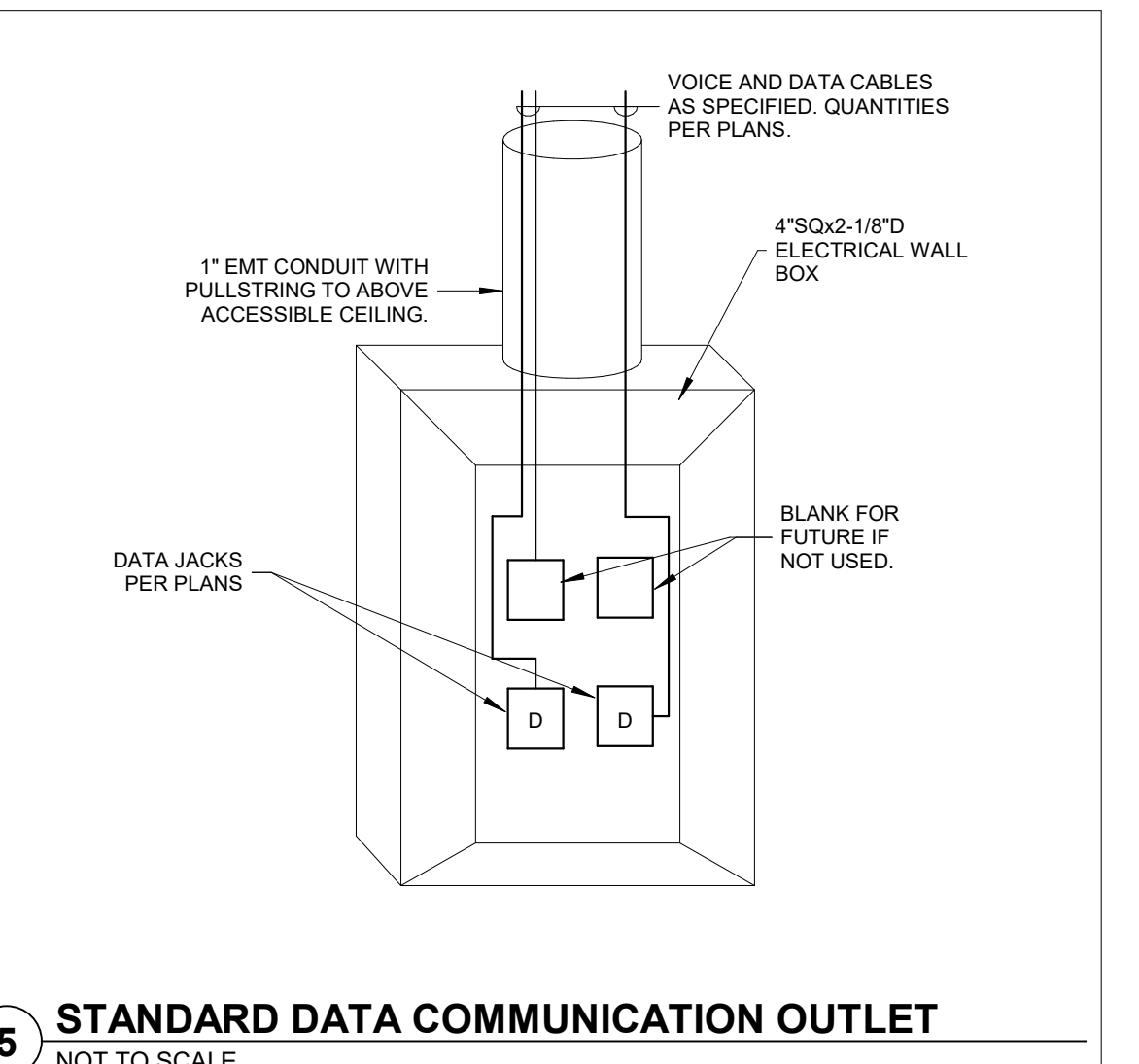
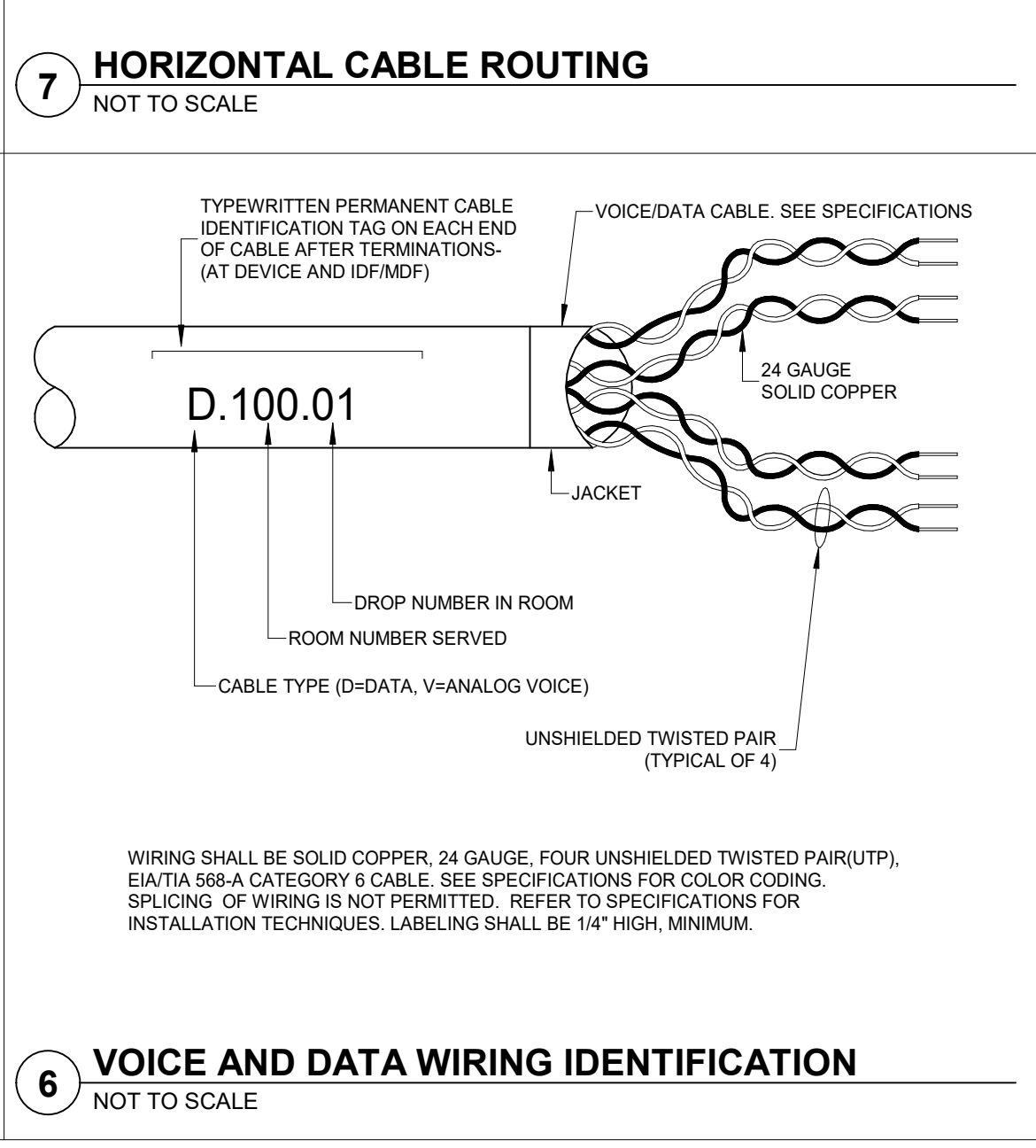
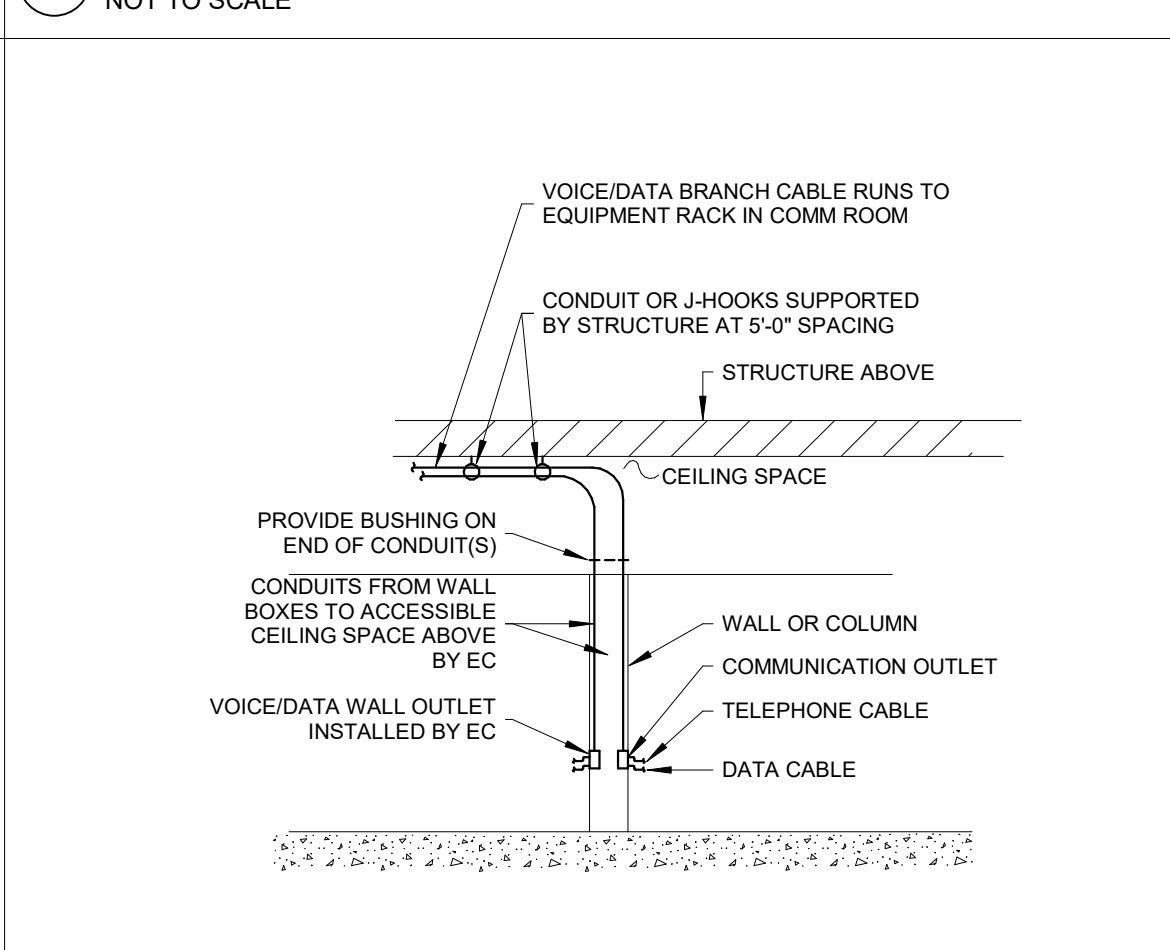
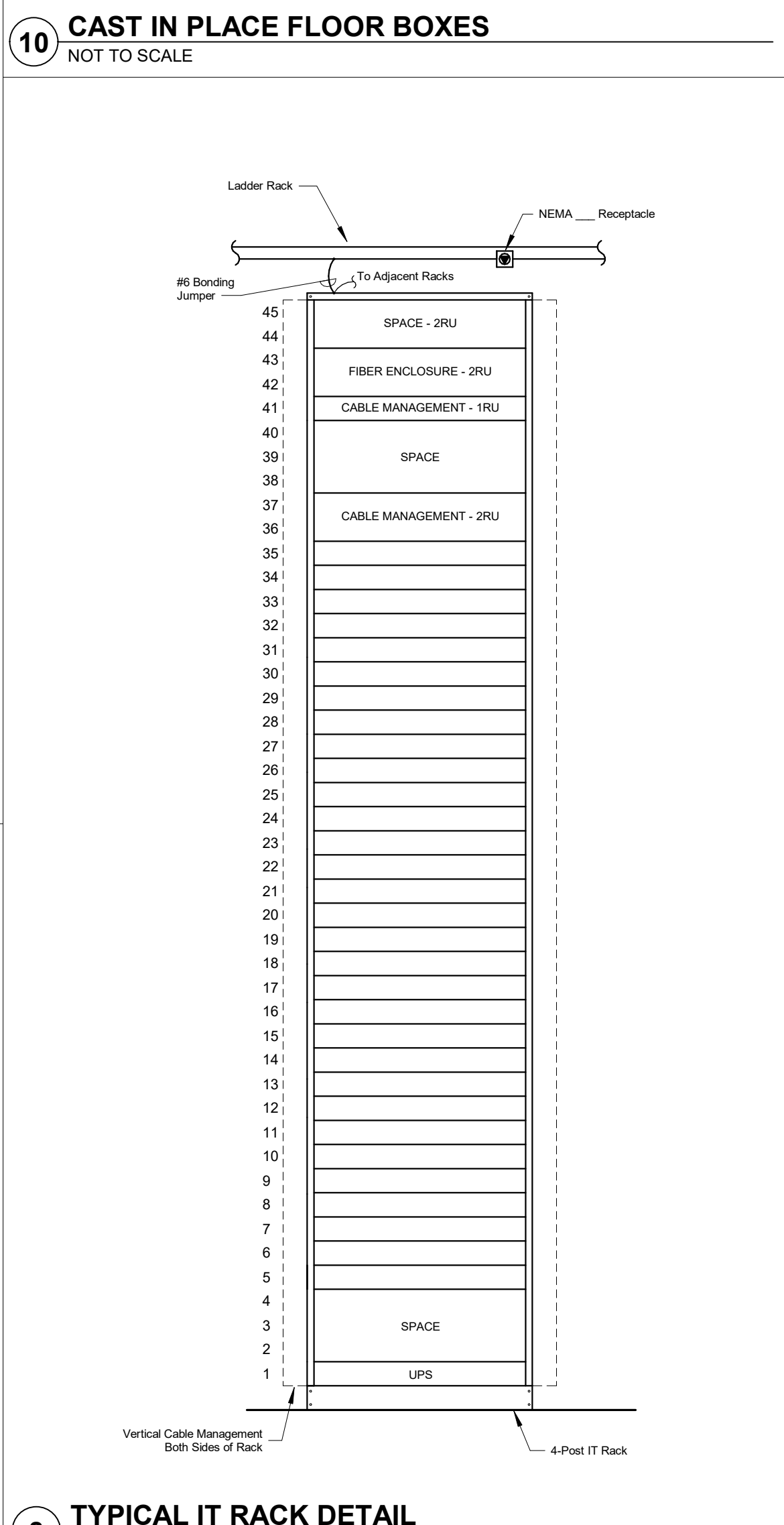
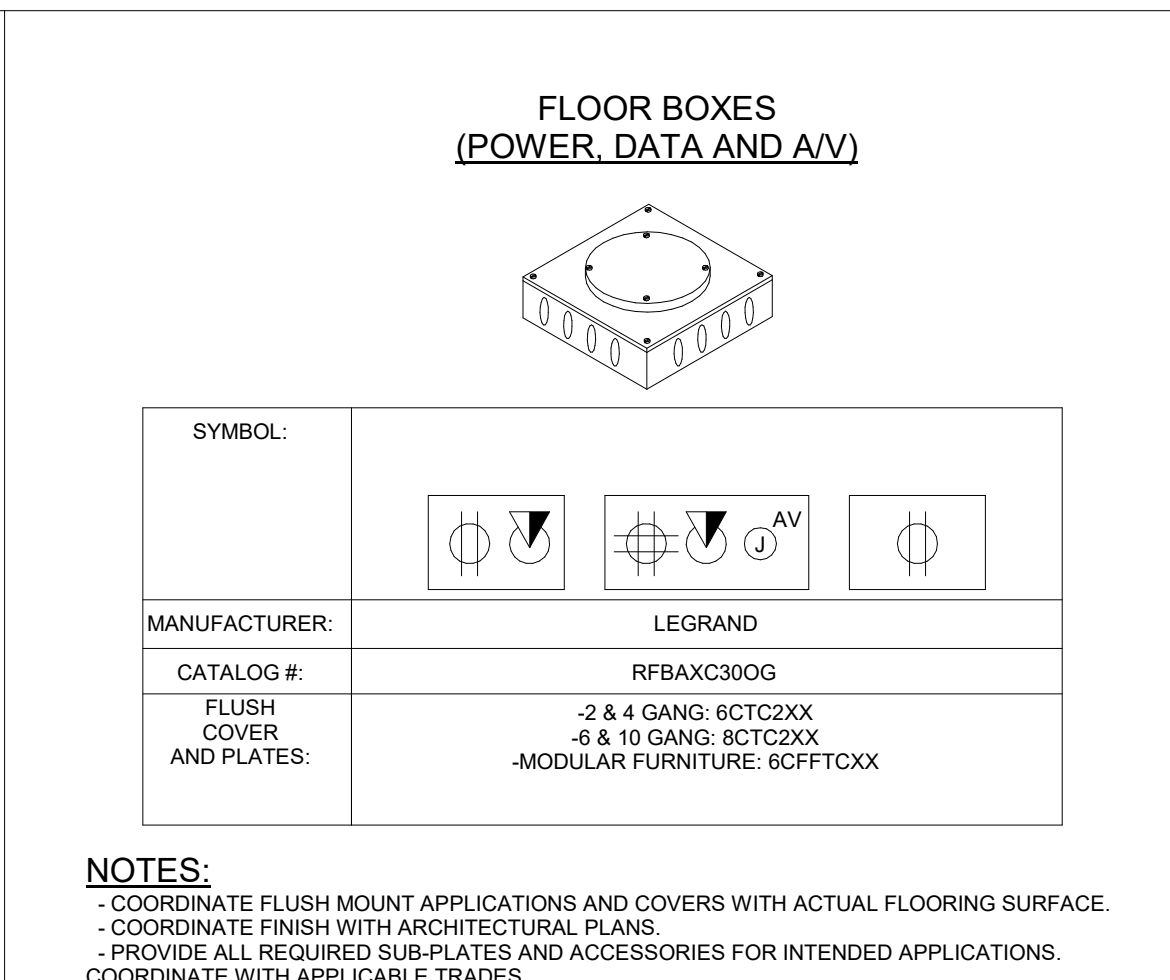
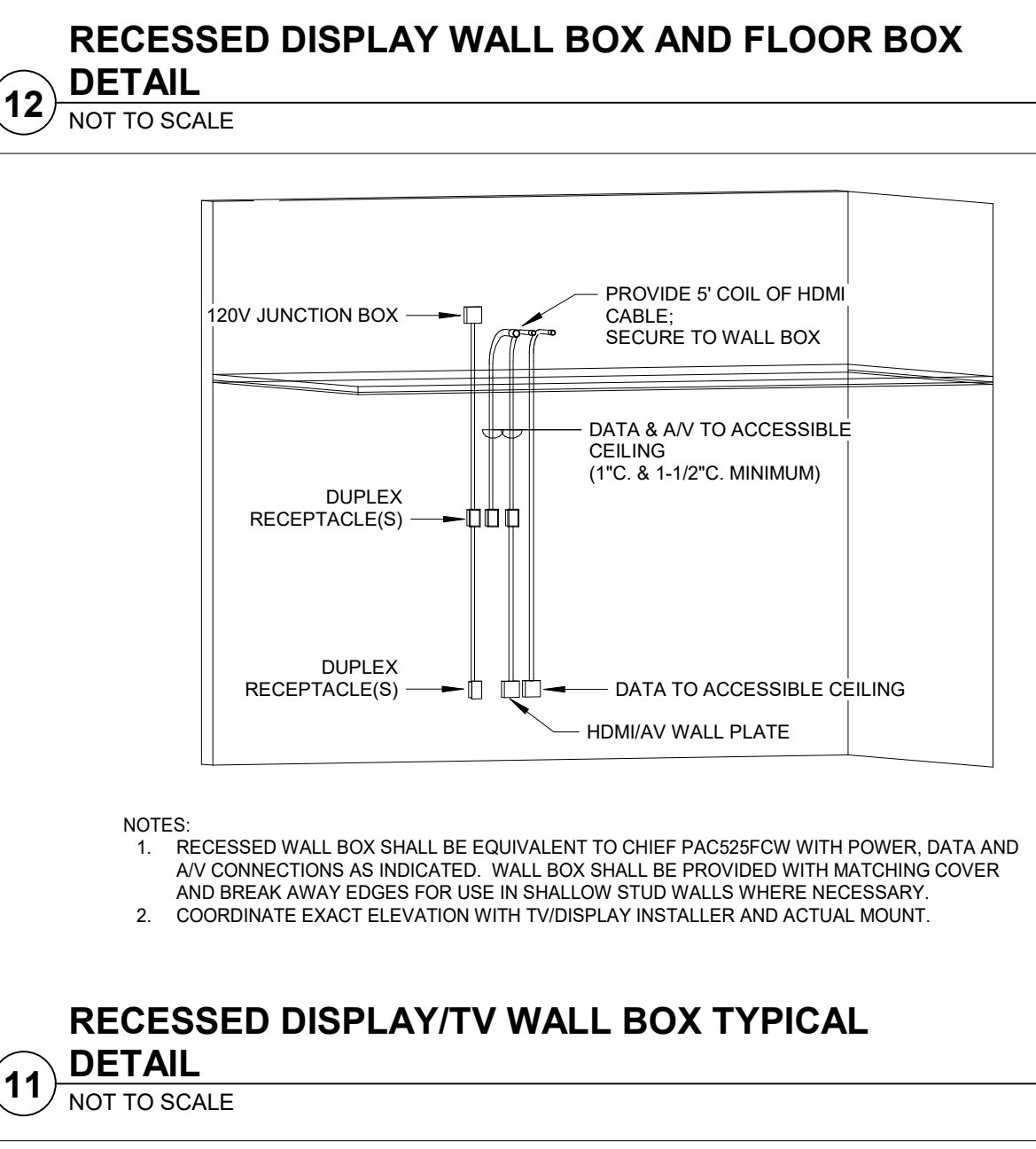
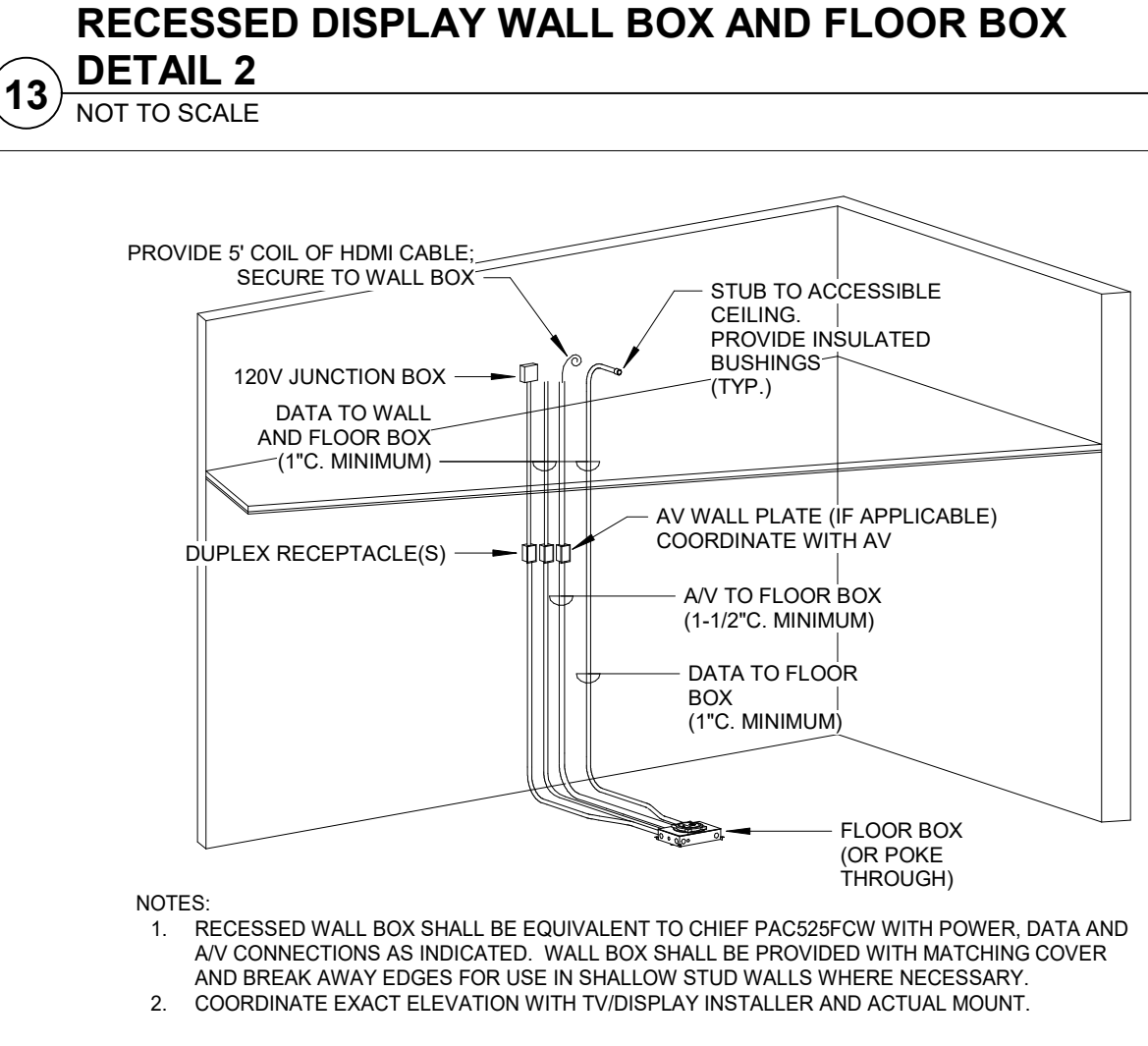
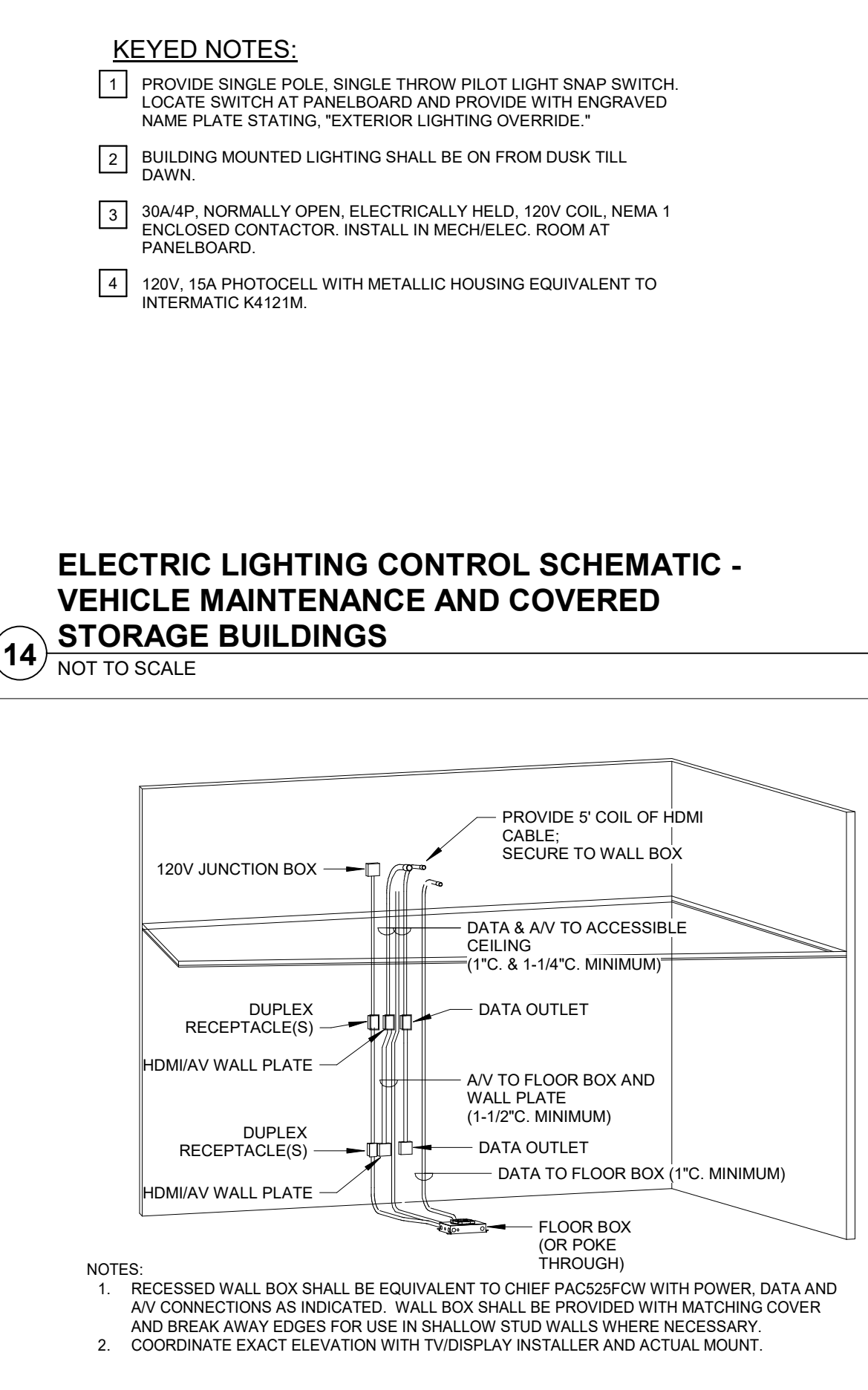
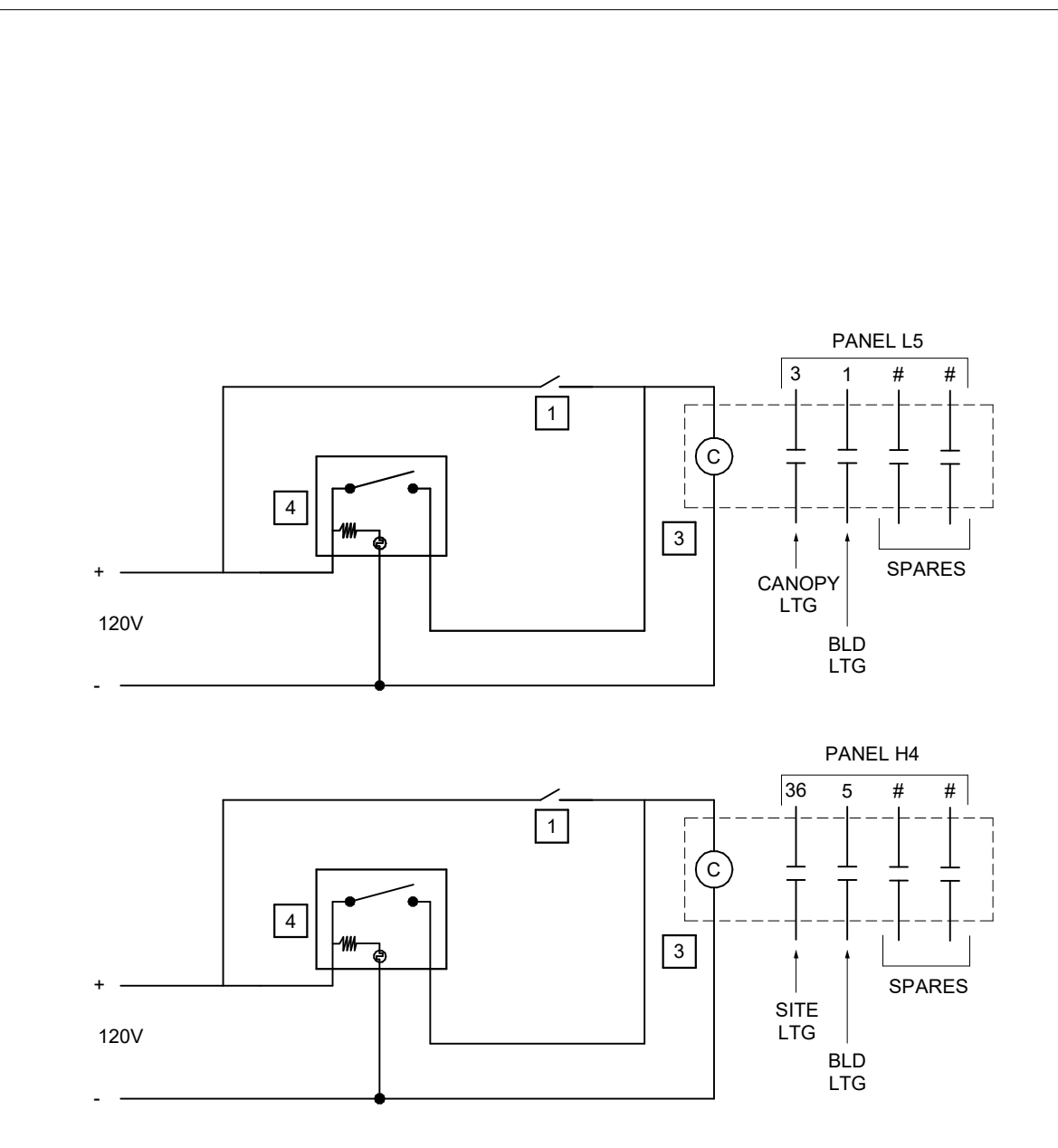
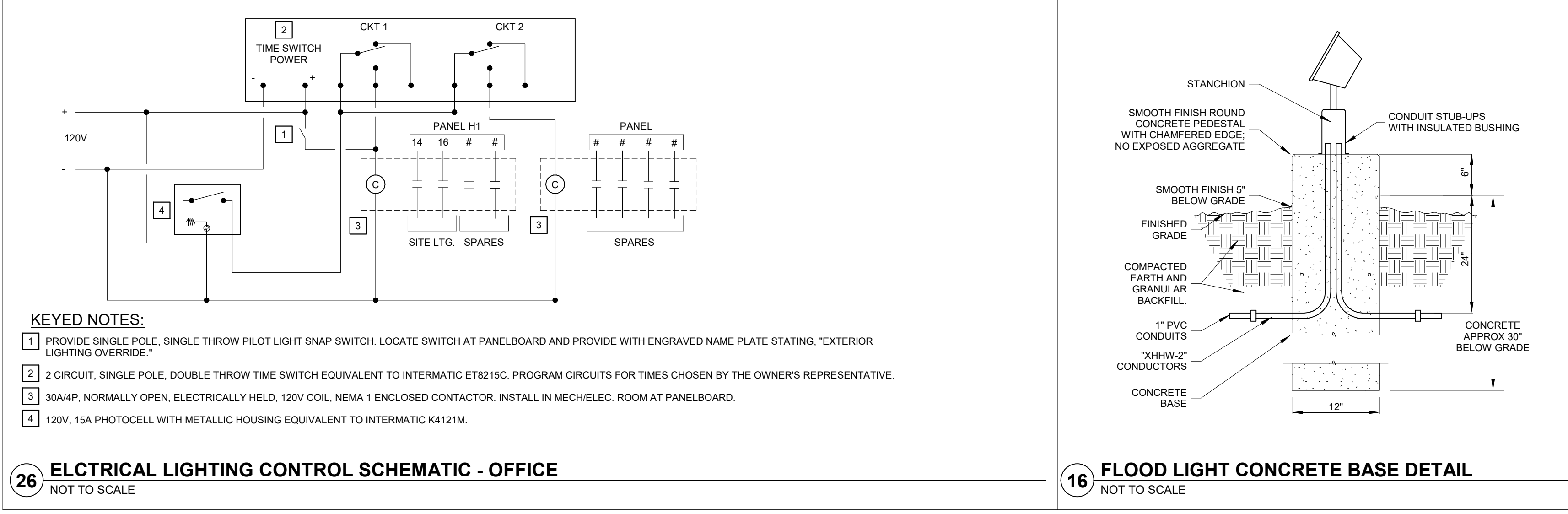
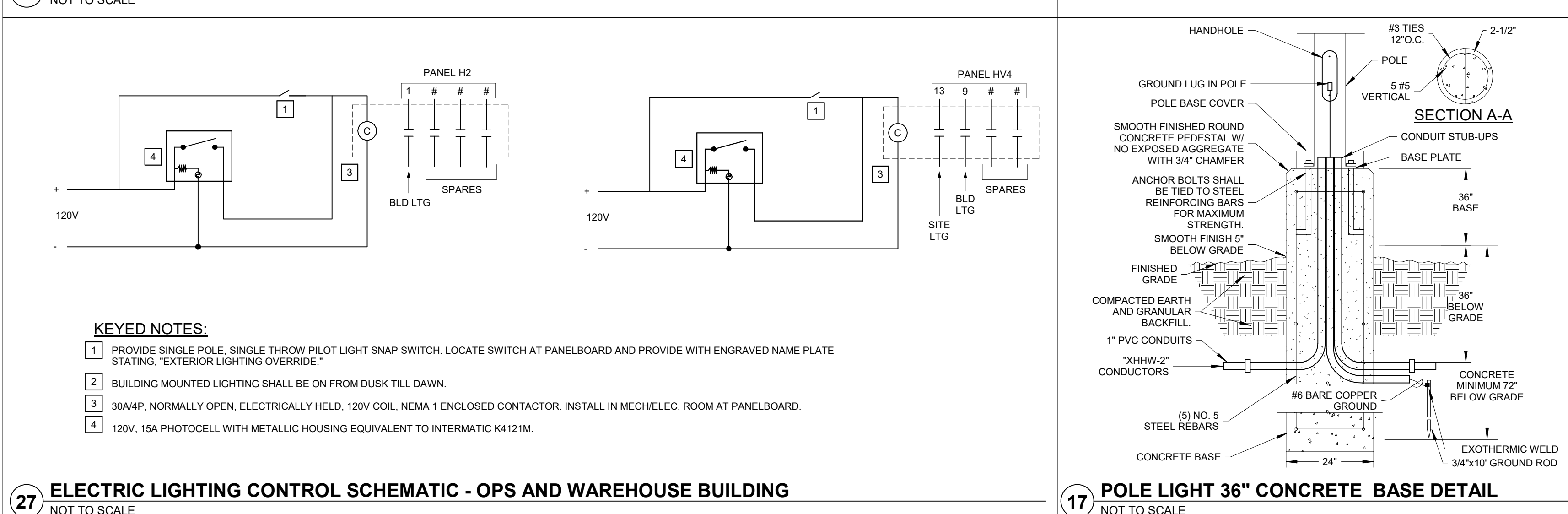
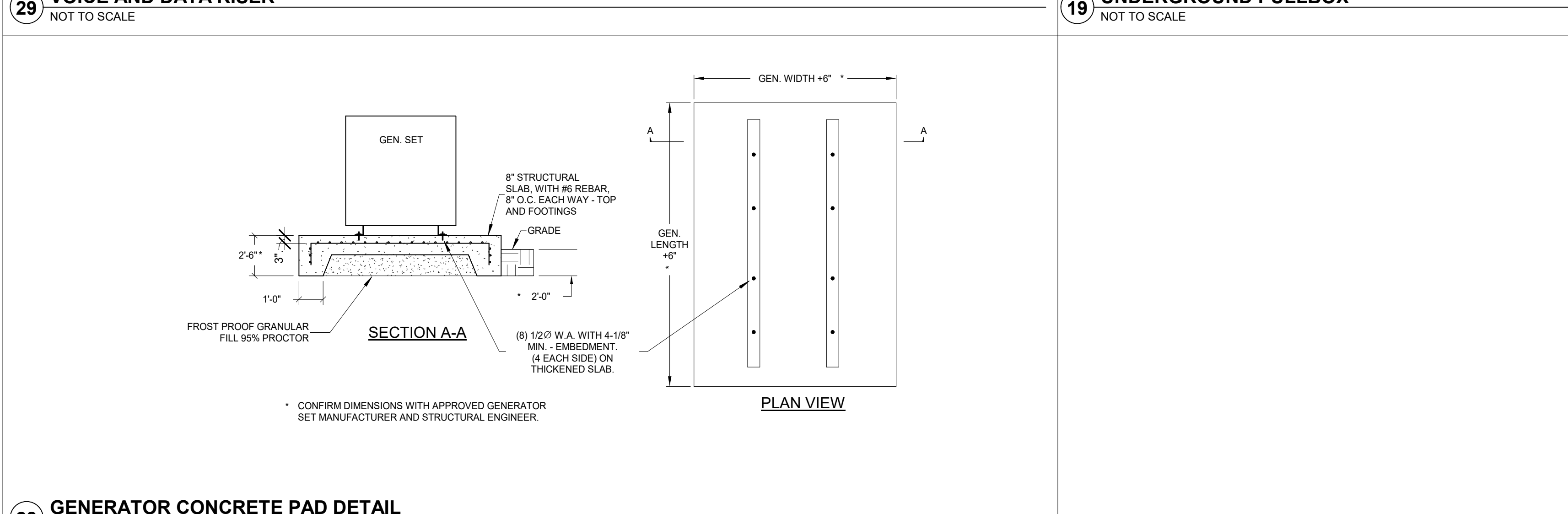
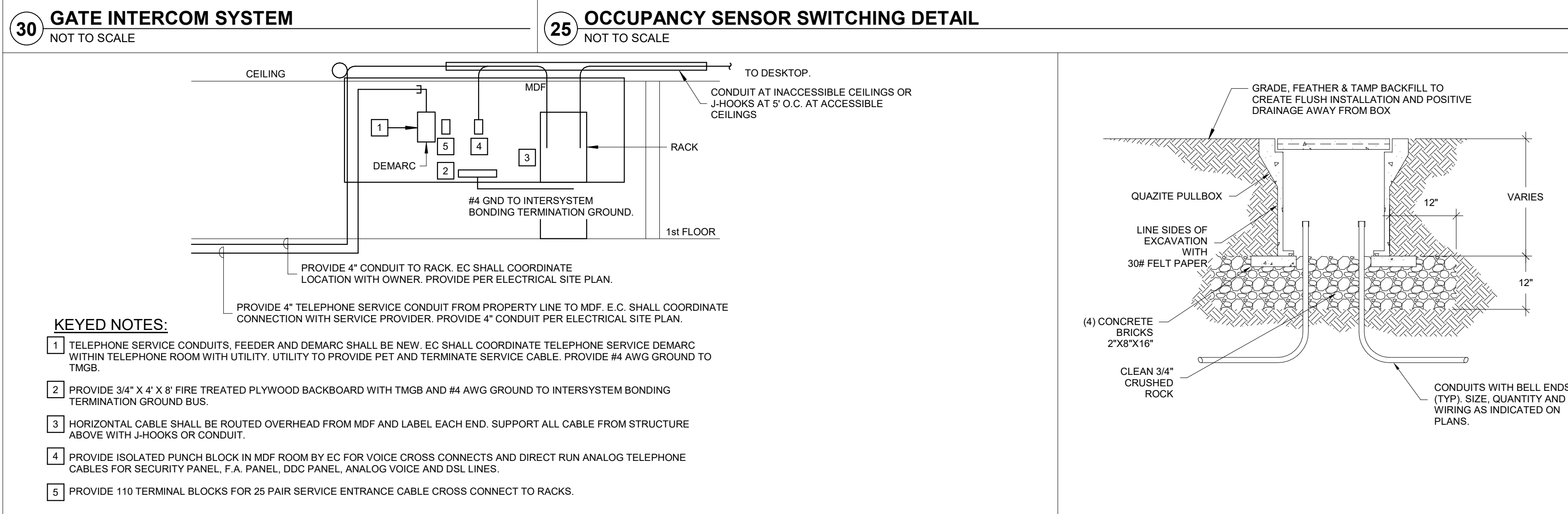
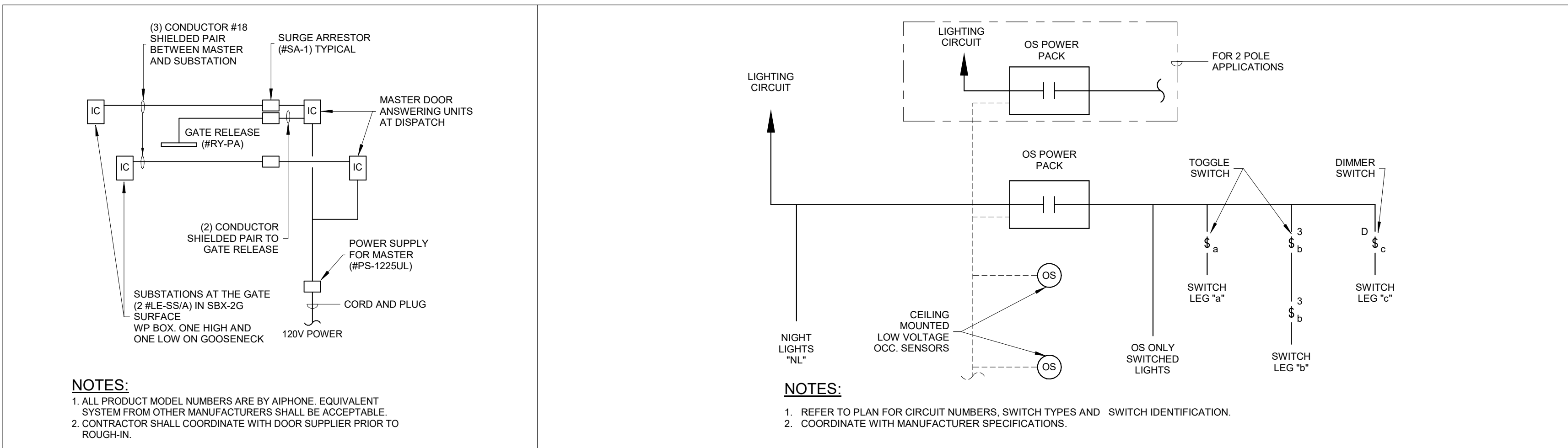
**ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'-0"



LIGHTING FIXTURE SCHEDULE

| Type Mark | Manufacturer    | Catalog No.                                                | Voltage  | Mounting     | Lamp             | Fixture Finish | Remarks (Type)   | Description                                                                                                                                                                                |
|-----------|-----------------|------------------------------------------------------------|----------|--------------|------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A         | METALUX         | VHB-18-W-UNV-L835-CD-UJ-HBAYC-CHAINSETU                    | 120-277V | CHAIN V-HANG | 125W, LED, 3500K | WHITE          | HIGHBAY          | 15'X19' HIGH-BAY INDUSTRIAL SUPPORT AT 4 POINTS WITH 2 CHAINS WITH V-HANGER DAMP LABEL, -20 DEGREE F STD. MOUNT 18" BELOW STRUCTURE, U.N.O. 18K LUMENS.                                    |
| A1        | LUX DYNAMICS    | E-4-D-A-840-2-UJ-D-CP-B-8MM-GAR                            | 120-277V | SURFACE      | 115W, LED, 3500K | WHITE          | HIGHBAY          | 24'X21' HIGH-BAY LED SURFACE MOUNTED, DAMP LABEL, -40 DEGREE F STD. 35,214 LUMENS.                                                                                                         |
| C         | METALUX         | 24C22-75VHE-S-UNV-L835-CD-U                                | 120/277V | RECESSED CLG | 50W, LED, 3500K  | WHITE          | GENERAL LTG      | 2'X4' GRID LAY-IN DIRECT/INDIRECT LED FIXTURE WITH SMOOTH CURVED LENS, 0-10V DIMMING TO 1%; 7600 DELIVERED LUMENS.                                                                         |
| C1        | METALUX         | 24C22-60-S-UNV-L840-CD-U                                   | 120-277V | RECESSED CLG | 40W, LED, 4000K  | WHITE          | GENERAL LTG      | 2'X4' GRID LAY-IN DIRECT/INDIRECT LED FIXTURE WITH SMOOTH CURVED LENS, 0-10V DIMMING TO 1%; 6000 DELIVERED LUMENS.                                                                         |
| D         | HALO            | HC2SD010-HM8025835-61MDH                                   | 120-277V | RECESSED CLG | 17W, LED, 3500K  | WHITE          | GENERAL LTG      | 6" OPEN LED DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR AND WHITE TRIM, 2000 LUMENS, DIMMING TO 1%.                                                                                             |
| D2        | HALO            | HC42SD010-HM40525835-41RWWC                                | 120-277V | RECESSED CLG | 10W, LED, 3500K  | WHITE          | SOFFIT LTG       | 4" LED DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR AND WHITE TRIM, 1500 LUMENS, WET LOCATION, WALL WASH                                                                                         |
| DE        | HALO            | HC2SD010EM14-HM8025835-61MDH                               | 120-277V | RECESSED CLG | 17W, LED, 3500K  | WHITE          | GENERAL LTG      | 6" OPEN LED DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR AND WHITE TRIM, 2000 LUMENS, DIMMING TO 1% EMERGENCY BATTERY PACK                                                                       |
| F         | WVIE            | VFS-840-3-LED-E-1-TS-BK-9M-B2                              | 120-277V | GRADE        | 40W, LED, 4000K  | DARK BRONZE    | FLOOD LTG        | FLOOD LIGHT, MEDIUM BEAM, 3000 LUMEN, STANCHION MOUNT, MOUNT ON CONCRETE BASE PER ELECTRICAL DETAILS                                                                                       |
| G         | EUREKA LIGHTING | 4248-36-LED-36-90-277V-DV-AC-60-RC1-WH                     | 277V     | PENDANT      | 48W, LED, 3500K  | WHITE          | GENERAL LTG      | 36" PENDANT LIGHT, 3222 DELIVERED LUMENS, 0-10V DIMMING TO 1%; COORDINATE MOUNTING HEIGHT WITH ARCHITECT.                                                                                  |
| H         | METALUX         | 4VTS1-D5-6-G-UNV-L840-CD-U                                 | 120/277V | SURFACE      | 50W, LED, 4000K  | WHITE          | WASHBAY          | 2' WATER TIGHT SURFACE MOUNTED FIXTURE WITH SMOOTH CURVED LENS 4000K LUMENS, MOUNT TIGHT TO STRUCTURE ABOVE OR ON WALL PER PLANS                                                           |
| L8        | CORELITE        | S04-F-025U-07G-3SS-10-UNV-STD-W-AC48-T1-8                  | 120/277V | SUSPENDED    | 80W, LED, 3500K  | BLACK          | GENERAL LTG      | 8' SUSPENDED LINEAR LED FIXTURE, UP AND DOWNLIGHT, 0-10V DIMMING TO 1%; SUSPENDED WITH AIRCRAFT CABLE, COORDINATE WITH ARCH FOR MOUNTING HEIGHT, 8000 NOMINAL LUMENS.                      |
| N4        | LUMENWERX       | VIA2R-D-HL-O-FH-SW-80CRI-350LMF-35K-4FT-277V-D1-1C-TB15-B  | 120/277V | RECESSED CLG | 13W, LED, 3500K  | WHITE          | GENERAL LTG      | 2" WIDE, 4' LONG RECESSED LINEAR LED FIXTURE, FLUSH LENS, 0-10V DIMMING                                                                                                                    |
| N8        | LUMENWERX       | VIA2R-D-HL-O-FH-SW-80CRI-350LMF-35K-4FT-277V-D1-1C-TB15-B  | 120/277V | RECESSED CLG | 20W, LED, 3500K  | WHITE          | GENERAL LTG      | 2" WIDE, 8' LONG RECESSED LINEAR LED FIXTURE, FLUSH LENS, 0-10V DIMMING                                                                                                                    |
| N10       | LUMENWERX       | VIA2R-D-HL-O-FH-SW-80CRI-350LMF-35K-10FT-277V-D1-1C-TB15-B | 120/277V | RECESSED CLG | 32W, LED, 3500K  | WHITE          | GENERAL LTG      | 2" WIDE, 10' LONG RECESSED LINEAR LED FIXTURE, FLUSH LENS, 0-10V DIMMING                                                                                                                   |
| P         | OCL             | REV4-P1EU-48-MW-BKP-LED103K-UNV-48-DM1                     | 120/277V | PENDANT      | 45W, LED, 3500K  | BLACK          | CONF RM LTG      | 48" DIA GLOW RING WITH UP/DOWN LIGHTING, 3200 TOTAL LUMENS, REMOTE DRIVER, 0-10V DIMMING.                                                                                                  |
| R1        | MCGRAW EDISON   | GWG-SAC2C-740-U-14FT                                       | 120/277V | WALL         | 113W, LED, 4000K | BLACK          | WALL PACK        | EXTERIOR WALL PACK WITH TYPE II DISTRIBUTION, APPROX. 14,800 LUMENS, MOUNT 12' AFF U.N.O.                                                                                                  |
| R2        | MCGRAW EDISON   | GWG-SA1C-740-U-14FT                                        | 120/277V | WALL         | 80W, LED, 4000K  | BLACK          | WALL PACK        | EXTERIOR WALL PACK WITH TYPE II DISTRIBUTION, APPROX. 7,600 LUMENS, MOUNT 12' AFF U.N.O.                                                                                                   |
| RE        | LUMARK          | XTOR8B-W-BKC-CBP-MSDML20                                   | 120/277V | WALL         | 58W, LED, 4000K  | BLACK          | WALL PACK        | EXTERIOR WALL PACK WITH TYPE II DISTRIBUTION, APPROX. 6,000 LUMENS, MOUNT 8' AFF U.N.O.                                                                                                    |
| S1        | MCGRAW EDISON   | GALN-SM4C-740-U-SWD - POLE: SSS-22-4-11-AB-GV-BT-VDF       | 120-277V | POLE         | 213W, LED, 4000K | BLACK          | SITE             | POLE LIGHT WITH SINGLE HEAD AND TYPE 5 DISTRIBUTION, APPROX. 26,000 LUMENS, PROVIDE 22' POLE AND BASE PER DETAIL.                                                                          |
| S2        | MCGRAW EDISON   | GALN-SM4C-740-U-SWG-TWIN - POLE: SSS-22-4-11-AB-GV-BT-VDF  | 120-277V | POLE         | 213W, LED, 4000K | BLACK          | SITE             | POLE LIGHT WITH DUAL HEAD AND TYPE 5 DISTRIBUTION, APPROX. 56,000 LUMENS TOTAL, PROVIDE 22' POLE AND BASE PER DETAIL.                                                                      |
| S3        | MCGRAW EDISON   | GALN-SA2C-740-U-T3 - POLE: SSS-22-4-11-AB-GV-BT-VDF        | 120-277V | POLE         | 108W, LED, 4000K | BLACK          | SITE             | POLE LIGHT WITH SINGLE HEAD AND TYPE 3 DISTRIBUTION, APPROX. 27,000 LUMENS, PROVIDE 22' POLE AND BASE PER DETAIL.                                                                          |
| S4        | MCGRAW EDISON   | GALN-SM4C-740-U-14FT-HSS - POLE: SSS-22-4-11-AB-GV-BT-VDF  | 120-277V | POLE         | 321W, LED, 4000K | BLACK          | SITE             | POLE LIGHT WITH SINGLE HEAD AND TYPE 4 DISTRIBUTION, APPROX. 27,300 LUMENS, PROVIDE 22' POLE AND BASE PER DETAIL.                                                                          |
| T         | PRENTALUX       | PRE-KYL8-848S-3L-MD-U-S-BLAK-MW-BLAK-CBK-36                | 120-277V | PENDANT      | 21W, LED, 3500K  | BLACK          | GENERAL LTG      | 6" DECORATIVE PENDANT, 0-10V DIMMING TO 1%, 318 DELIVERED LUMENS, COORDINATE MOUNTING HEIGHT WITH ARCHITECT.                                                                               |
| U         | METALUX         | 48NLED-LD5-44SL-LW-UNV-L835-CD-U                           | 120-277V | SURFACE      | 48W, LED, 3500K  | WHITE          | GENERAL LTG      | 4" UTILITY STRIP LED WITH 4,400 DELIVERED LUMENS                                                                                                                                           |
| V         | EUREKA LIGHTING | 3404-LED-27-90-277V-DV-SIM-CRFA                            | 120/277V | WALL         | 4W, LED, 3000K   | SILVER         | WALL PACK        | 7.2" ROUND WALL MOUNTED SCENCE, 746 LUMENS, COORDINATE EXACT MOUNTING HEIGHT WITH WITH ARCHITECT                                                                                           |
| X         | SURE-LITES      | ELUXTRSD                                                   | 120-277V | UNIVERSAL    | 3W, LED          | WHITE          | EXIT SIGN (ARCH) | EDGE-LIT ARCHITECTURAL EXIT SIGN WITH BRUSHED ALUMINUM FINISH, UNIVERSAL MOUNT, FACES, ARROWS AND MOUNTING PER PLANS, WITH EMERGENCY BATTERY PACK, *VERIFY MOUNTING WITH FIELD CONDITIONS. |
| X1        | SURE-LITES      | LPXC2SSD                                                   | 120-277V | UNIVERSAL    | 3W, LED          | WHITE          | COMBO EXIT SIGN  | EXIT/EMERGENCY LIGHT UNIT MTD ABOVE DOOR, WITH BATTERY - INSTALL FIXTURE AT 6'-0" AFF. UNIVERSAL MTD WITH BATTERY.                                                                         |
| X2        | NAILE LIGHTING  | WLPC-C-12-42-R-1-W-MRT6-LED-SD                             | 120-277V | UNIVERSAL    | 5W, LED          | WHITE          | COMBO EXIT SIGN  | EMERGENCY EXIT LIGHTING WITH SURFACE MOUNT LED LAMPS AND SELF DIAGNOSTICS; WET LABEL.                                                                                                      |
| Y         | SURE-LITES      | SEL50SD                                                    | 120-277V | UNIVERSAL    | 2W, LED          | WHITE          | EMERGENCY LTG    | EXIT/EMERGENCY LIGHT UNIT MTD ABOVE DOOR.                                                                                                                                                  |
| Y1        | SURE-LITES      | SELDW00WHSD                                                | 120-277V | UNIVERSAL    | 5W, LED          | WHITE          | EMERGENCY LTG    | LED EXIT/EMERGENCY LIGHT WITH SELF DIAGNOSTICS; WET LOCATION RATED.                                                                                                                        |
| Z         | ELECTRIC MIRROR | SEBA-20-00X48-00-SEBD-30K                                  | 277V     | WALL         | 21W, LED, 3500K  | MIRROR         | VANITY           | 20"X48" EDGE LIT VANITY MIRROR.                                                                                                                                                            |
| Z1        | ELECTRIC MIRROR | PET4-36-00X48-00-AK-LE-277V-30K                            | 277V     | WALL         | 60W, LED, 3000K  | MIRROR         | VANITY           | 36"X48" EDGE LIT VANITY MIRROR. REFER TO ARCHITECTURAL PLANS FOR MTG. HT.                                                                                                                  |





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685 WATER TOWER BYPASS  
CAMBELLSVILLE, KY 42718

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EXP: 06/30/2027

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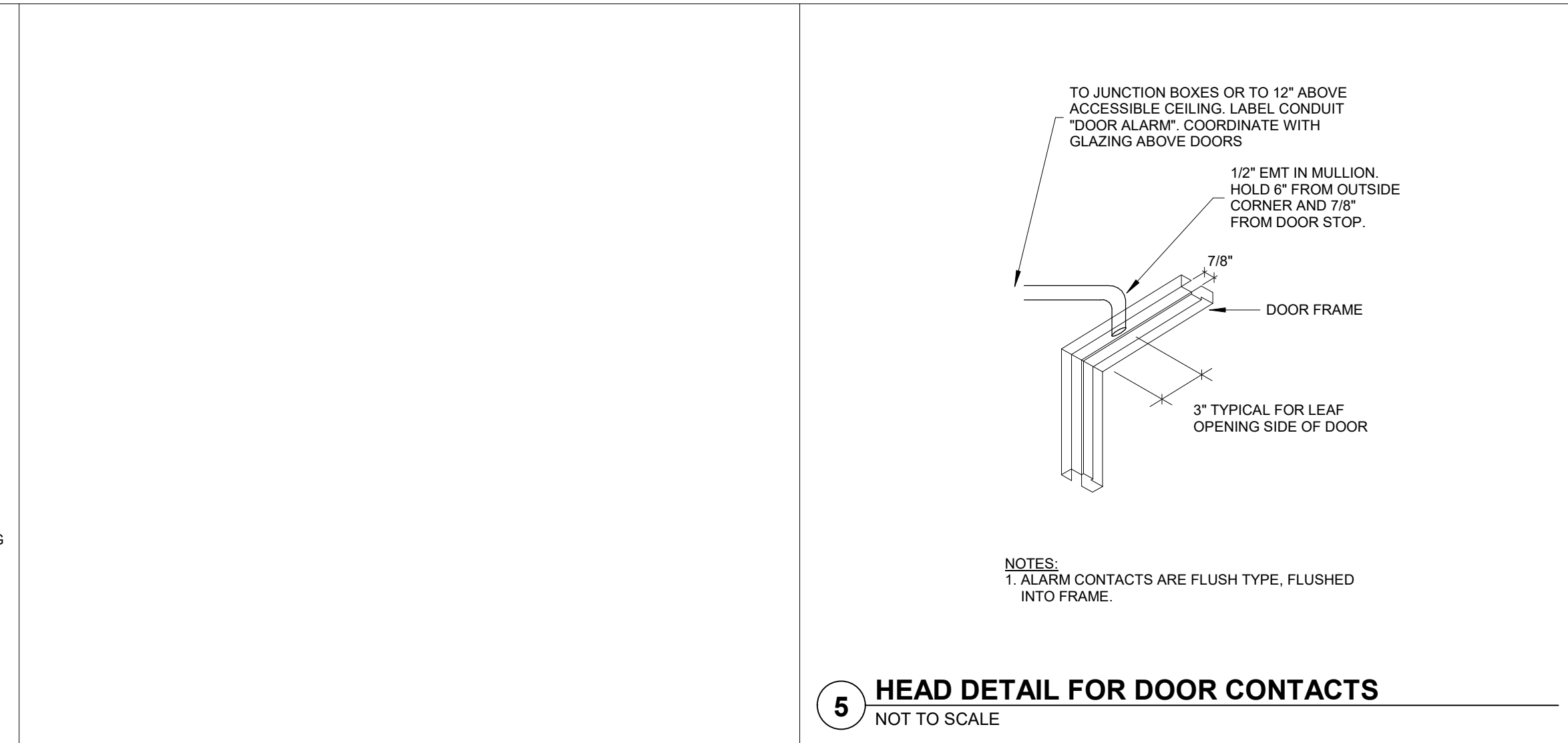
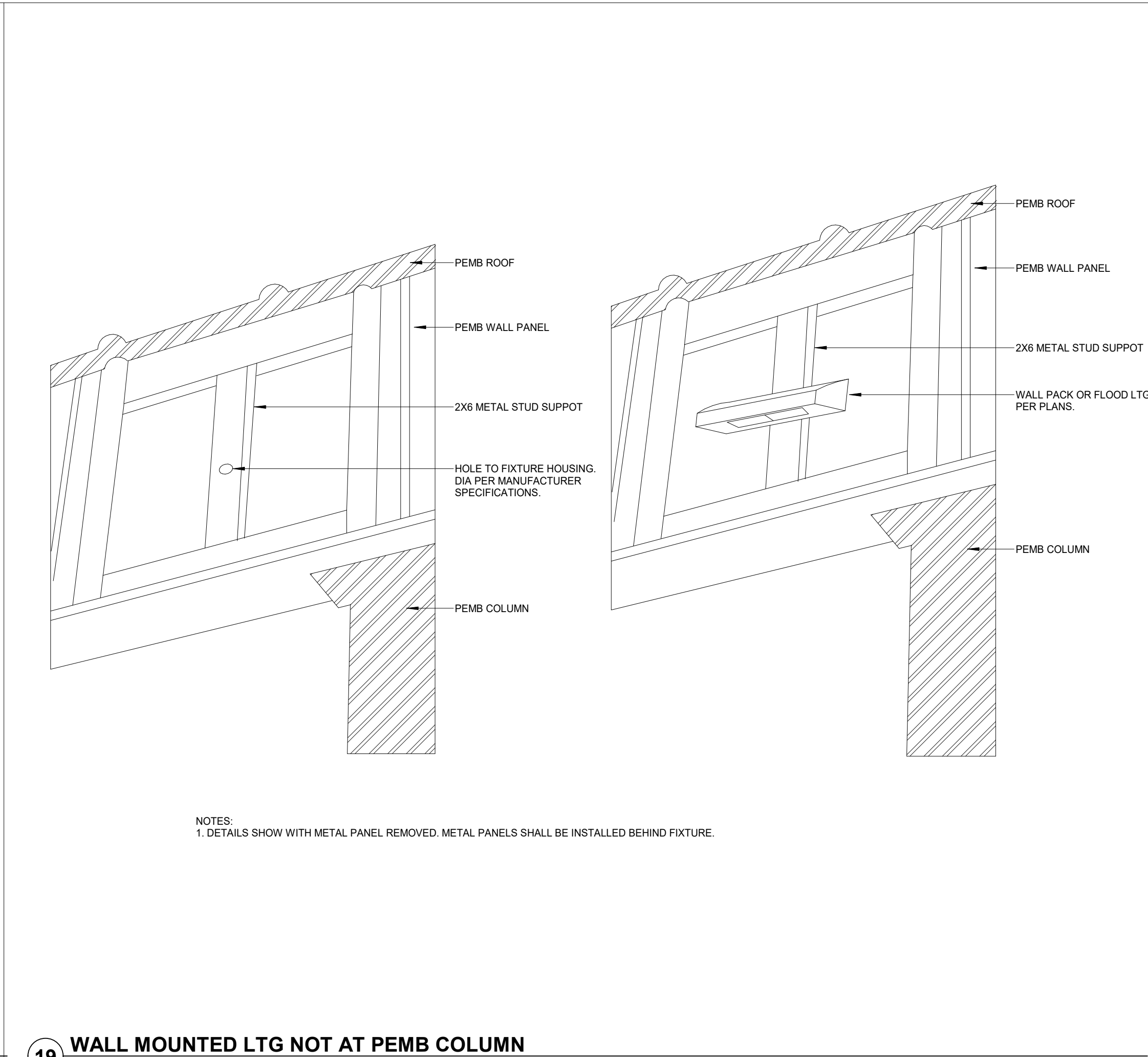
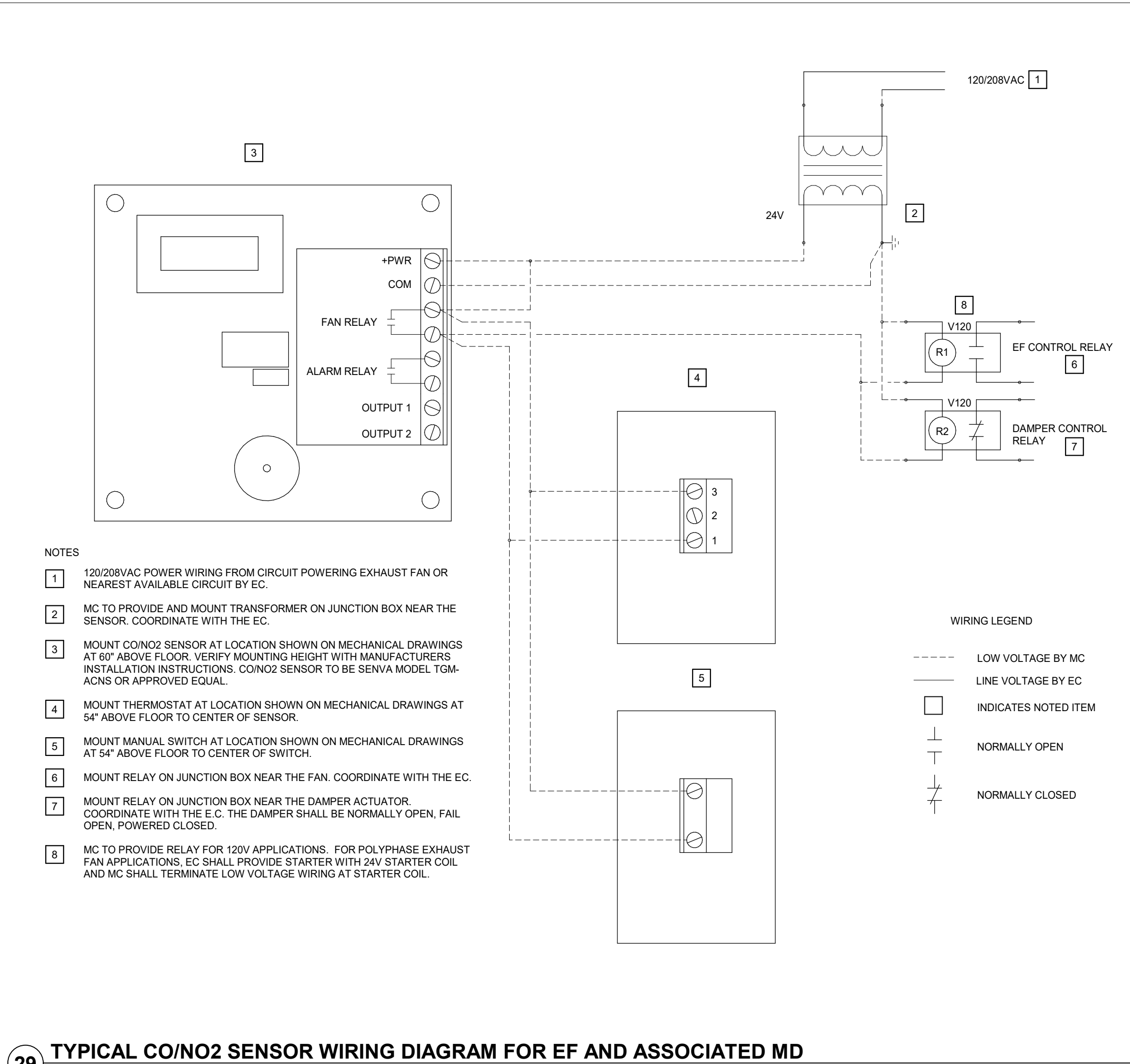
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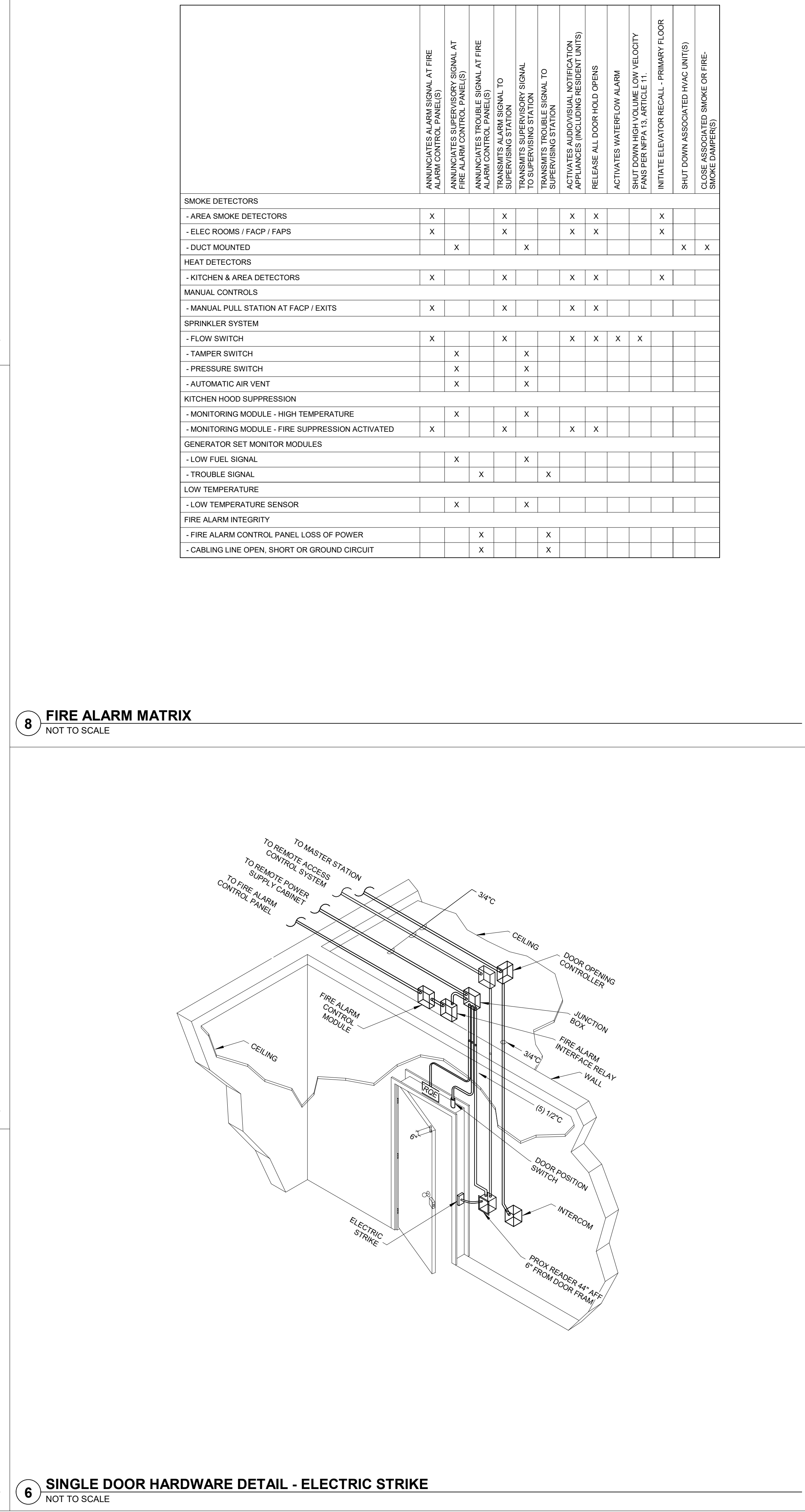
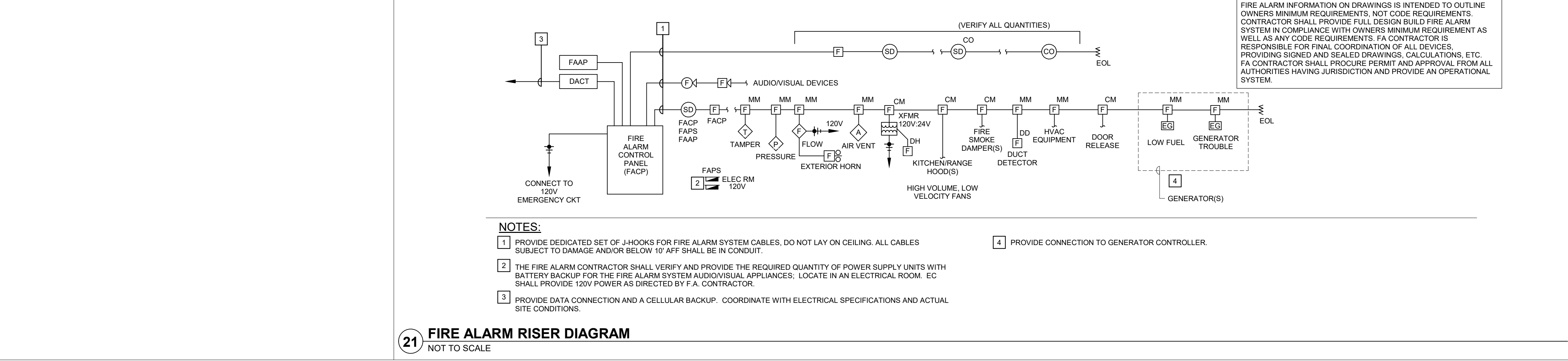
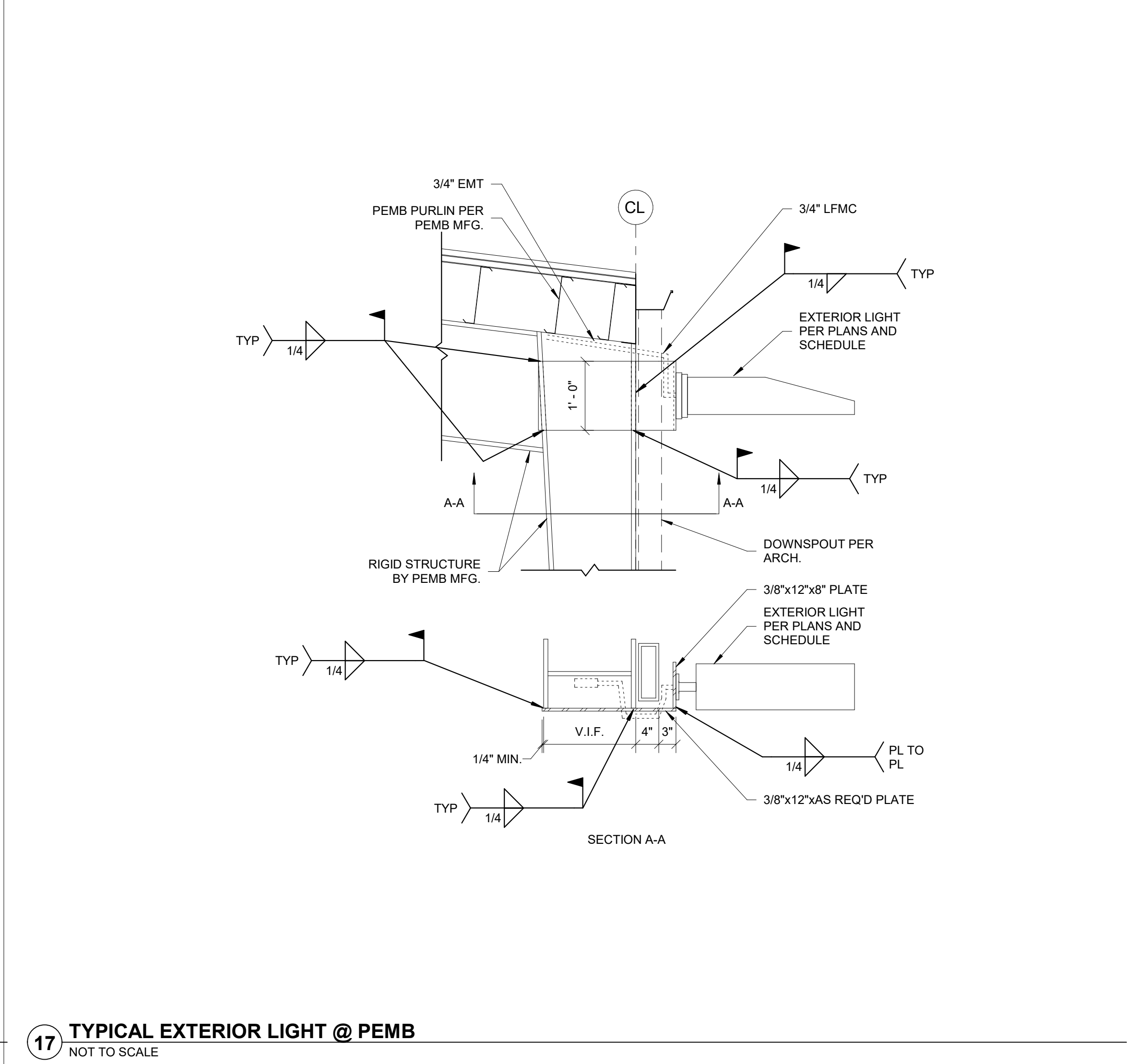
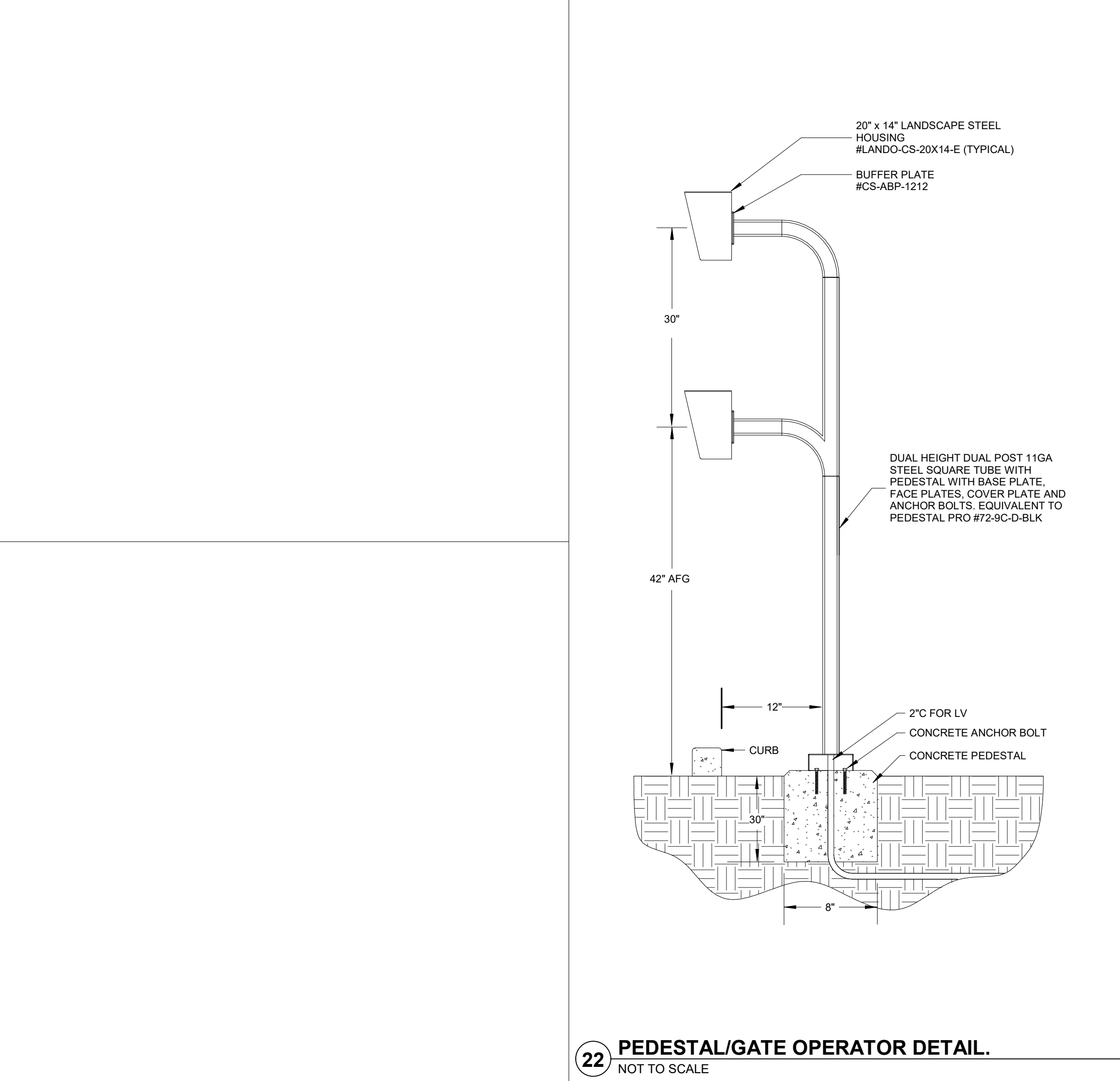
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|                                                  | ANNUNCIATES ALARM SIGNAL AT FIRE ALARM CONTROL PANEL(S) | ANNUNCIATES SUPERVISORY SIGNAL AT FIRE ALARM CONTROL PANEL(S) | ANNUNCIATES TROUBLE SIGNAL AT FIRE ALARM CONTROL PANEL(S) | TRANSMITS ALARM SIGNAL TO SUPERVISORY STATION | TRANSMITS TROUBLE SIGNAL TO SUPERVISORY STATION | APPLIANCES INCLUDING RESIDENTIAL UNITS | RELEASE ALL DOOR H.E.D. OPENS | ACTIVATES WATERFLOW ALARM | SHUT DOWN HIGH VOLUME LOW VELOCITY FANS PER NFPA 13, ARTICLE 11. | INITIATE ELEVATOR RECALL - PRIMARY FLOOR | SHUT DOWN ASSOCIATED HVAC UNIT(S) | SHUT DOWN ASSOCIATED SMOKE OFFLINE SMOKE COMPARTMENT |
|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|----------------------------------------|-------------------------------|---------------------------|------------------------------------------------------------------|------------------------------------------|-----------------------------------|------------------------------------------------------|
| SMOKE DETECTORS                                  |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - AREA SMOKE DETECTORS                           | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             |                           |                                                                  |                                          | X                                 |                                                      |
| - ELEC ROOMS / FACP / FAPS                       | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             |                           |                                                                  | X                                        |                                   |                                                      |
| - DUCT MOUNTED                                   |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          | X                                 | X                                                    |
| HEAT DETECTORS                                   |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - KITCHEN & AREA DETECTORS                       | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             |                           |                                                                  | X                                        |                                   |                                                      |
| MANUAL CONTROLS                                  |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - MANUAL PULL STATION AT FACP / EXITS            | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             |                           |                                                                  |                                          |                                   |                                                      |
| SPRINKLER SYSTEM                                 |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - FLOW SWITCH                                    | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             | X                         | X                                                                |                                          |                                   |                                                      |
| - TAMPER SWITCH                                  |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - PRESSURE SWITCH                                |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - AUTOMATIC AIR VENT                             |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| KITCHEN HOOD SUPPRESSION                         |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - MONITORING MODULE - HIGH TEMPERATURE           |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - MONITORING MODULE - FIRE SUPPRESSION ACTIVATED | X                                                       |                                                               | X                                                         |                                               |                                                 | X                                      | X                             |                           |                                                                  |                                          |                                   |                                                      |
| GENERATOR SET MONITOR MODULES                    |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - LOW FUEL SIGNAL                                |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - TROUBLE SIGNAL                                 |                                                         |                                                               | X                                                         |                                               | X                                               |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| LOW TEMPERATURE                                  |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - LOW TEMPERATURE SENSOR                         |                                                         | X                                                             |                                                           | X                                             |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| FIRE ALARM INTEGRITY                             |                                                         |                                                               |                                                           |                                               |                                                 |                                        |                               |                           |                                                                  |                                          |                                   |                                                      |
| - FIRE ALARM CONTROL PANEL LOSS OF POWER         |                                                         |                                                               | X                                                         |                                               |                                                 | X                                      |                               |                           |                                                                  |                                          |                                   |                                                      |
| - CABBING LINE OPEN, SHORT OR GROUND CIRCUIT     |                                                         |                                                               | X                                                         |                                               |                                                 | X                                      |                               |                           |                                                                  |                                          |                                   |                                                      |



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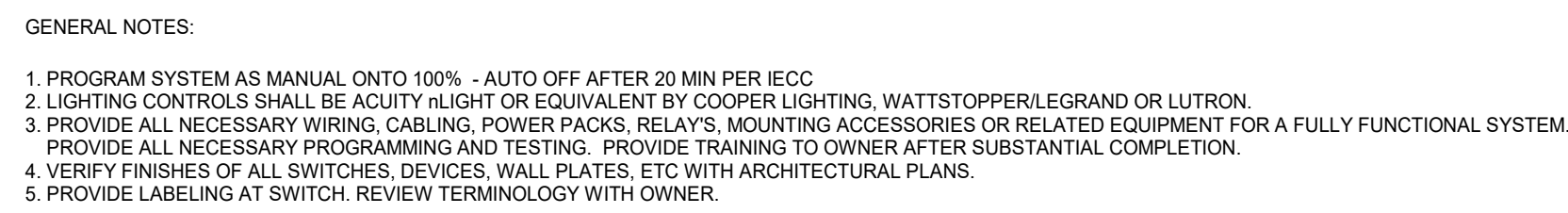
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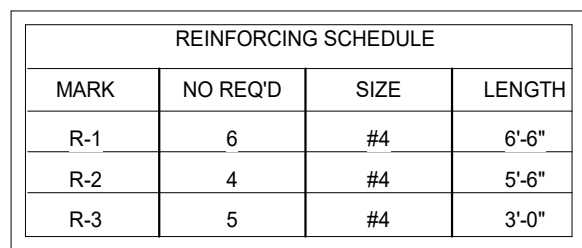
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**9 TYPICAL EXTERIOR OFFICE WITH VACANCY SENSING & DAYLIGHT HARVESTING**  
NOT TO SCALE



**21** **TRANSFORMER CAST IN PLACE PAD**  
NOT TO SCALE





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Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL PANEL SCHEDULES - OPERATIONS

## Branch Panel: HV2

Location: ELEC. CLOSET E122

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MLO

Mains Rating: 250 A

MCB Rating:

## Notes:

EXISTING

| CKT NOTE S | CKT | Circuit Description | Trip        | Poles | A        | B       | C        | A       | B        | C       | Poles | Trip | Circuit Description | CKT | CKT NOTE S |
|------------|-----|---------------------|-------------|-------|----------|---------|----------|---------|----------|---------|-------|------|---------------------|-----|------------|
|            | 1   | SOUTH E101 LTG      | 20 A        | 1     | 2303 VA  |         |          | --      |          |         | 1     | --   | Space               | 2   |            |
|            | 3   | MID E101 LTG        | 20 A        | 1     |          | 3004 VA |          |         | --       |         | 1     | --   | Space               | 4   |            |
|            | 5   | NORTH E101 LTG      | 20 A        | 1     |          |         | 2015 VA  |         |          |         | 1     | --   | Space               | 6   |            |
|            | 7   | Space               | --          | 1     | --       |         |          | 0 VA    |          |         | 3     | 50 A | Spare               | 8   |            |
|            | 9   | WALL PACKS          | 20 A        | 1     |          | 0 VA    |          |         | 0 VA     |         | --    | --   | --                  | 10  | --         |
|            | 11  | POLE LIGHTS         | 20 A        | 1     |          |         | 0 VA     |         |          | 0 VA    | --    | --   | --                  | 12  | --         |
|            | 13  | POLE LIGHTS         | 20 A        | 1     | 0 VA     |         |          | 0 VA    |          |         | 3     | 30 A | AC-3                | 14  |            |
|            | 15  | Space               | --          | 1     | --       |         |          |         | 0 VA     |         | --    | --   | --                  | 16  | --         |
|            | 17  | Space               | --          | 1     | --       |         |          |         |          | 0 VA    | --    | --   | --                  | 18  | --         |
|            | 19  | Spare               | 50 A        | 3     | 0 VA     |         |          | 6261 VA |          |         | 1     | 25 A | VAV 6-1             | 20  |            |
| --         | 21  | --                  | --          | --    |          | 0 VA    |          |         | 7507 VA  |         | 1     | 30 A | VAV 6-2             | 22  |            |
| --         | 23  | --                  | --          | --    |          |         | 0 VA     |         |          | 2495 VA | 1     | 15 A | VAV 6-3             | 24  |            |
|            | 25  | DSF-5               | 15 A        | 1     | 2770 VA  |         |          | 7507 VA |          |         | 1     | 30 A | VAV 6-4             | 26  |            |
|            | 27  | DSF-4               | 15 A        | 1     |          | 2770 VA |          |         | 3740 VA  |         | 1     | 15 A | VAV 6-5             | 28  |            |
|            | 29  | EF-1                | 20 A        | 3     |          |         | 943 VA   |         |          | 4377 VA | 1     | 20 A | VAV 6-6             | 30  |            |
| --         | 31  | --                  | --          | --    | 943 VA   |         |          | 6402 VA |          |         | 3     | 35 A | RTU-6               | 32  |            |
| --         | 33  | --                  | --          | --    |          | 943 VA  |          |         | 6402 VA  | --      | --    | --   | --                  | 34  | --         |
|            | 35  | T LV-2              | 100 A       | 3     |          |         | 1080 VA  |         |          | 6402 VA | --    | --   | --                  | 36  | --         |
| --         | 37  | --                  | --          | --    | 2340 VA  |         |          |         |          |         |       |      |                     | 38  |            |
| --         | 39  | --                  | --          | --    |          | 2640 VA |          |         |          |         |       |      |                     | 40  |            |
|            | 41  |                     |             |       |          |         |          |         |          |         |       |      |                     | 42  |            |
|            |     |                     | Total Load: |       | 28526 VA |         | 27006 VA |         | 17312 VA |         |       |      |                     |     |            |
|            |     |                     | Total Amps: |       | 108 A    |         | 103 A    |         | 62 A     |         |       |      |                     |     |            |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                    |
|---------------------|----------------|---------------|------------------|---------------------------------|
| Lighting            | 7322 VA        | 125.00%       | 9153 VA          |                                 |
| HVAC                | 59462 VA       | 100.00%       | 59462 VA         | Total Conn. Load: 72844 VA      |
| Receptacle          | 6060 VA        | 100.00%       | 6060 VA          | Total Est. Demand: 74675 VA     |
|                     |                |               |                  | Total Conn. Current: 88 A       |
|                     |                |               |                  | Total Est. Demand Current: 90 A |
|                     |                |               |                  |                                 |
|                     |                |               |                  |                                 |

## Notes:

SIEMENS #11X42MC250C

## Branch Panel: HV3

Location: ELEC. CLOSET E122

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MLO

Mains Rating: 250 A

MCB Rating:

## Notes:

EXISTING

| CKT NOTE S | CKT | Circuit Description | Trip        | Poles | A    | B    | C    | A    | B    | C    | Poles | Trip | Circuit Description | CKT | CKT NOTE S |
|------------|-----|---------------------|-------------|-------|------|------|------|------|------|------|-------|------|---------------------|-----|------------|
|            | 1   | AC-1                | 70 A        | 3     | 0 VA |      |      | 0 VA |      |      | 3     | 50 A | Space               | 2   |            |
| --         | 3   | --                  | --          | --    |      | 0 VA |      |      | 0 VA |      | --    | --   | --                  | 4   | --         |
| --         | 5   | --                  | --          | --    |      |      | 0 VA |      |      | 0 VA | --    | --   | --                  | 6   | --         |
|            | 7   | Spare               | 50 A        | 3     | 0 VA |      |      | 0 VA |      |      | 3     | 50 A | Spare               | 8   |            |
| --         | 9   | --                  | --          | --    |      | 0 VA |      |      | 0 VA |      | --    | --   | --                  | 10  | --         |
|            | 11  |                     | --          | --    |      |      | 0 VA |      |      | 0 VA | --    | --   | --                  | 12  | --         |
|            | 13  | Spare               | 20 A        | 3     | 0 VA |      |      | 0 VA |      |      | 3     | 50 A | Spare               | 14  |            |
| --         | 15  | --                  | --          | --    |      | 0 VA |      |      | 0 VA |      | --    | --   | --                  | 16  | --         |
| --         | 17  | --                  | --          | --    |      |      | 0 VA |      |      | 0 VA | --    | --   | --                  | 18  | --         |
|            | 19  | Spare               | 20 A        | 3     | 0 VA |      |      | 0 VA |      |      | 3     | 50 A | Spare               | 20  |            |
| --         | 21  | --                  | --          | --    |      | 0 VA |      |      | 0 VA |      | --    | --   | --                  | 22  | --         |
| --         | 23  | --                  | --          | --    |      |      | 0 VA |      |      | 0 VA | --    | --   | --                  | 24  | --         |
|            | 25  | Spare               | 50 A        | 3     | 0 VA |      |      |      | --   |      | 1     | --   | Space               | 26  |            |
| --         | 27  | --                  | --          | --    |      | 0 VA |      |      | --   |      | 1     | --   | Space               | 28  |            |
| --         | 29  | --                  | --          | --    |      |      | 0 VA |      |      |      | 1     | --   | Space               | 30  |            |
|            | 31  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 32  |            |
|            | 33  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 34  |            |
|            | 35  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 36  |            |
|            | 37  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 38  |            |
|            | 39  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 40  |            |
|            | 41  | Space               | --          | 1     | --   |      |      | --   |      |      | 1     | --   | Space               | 42  |            |
|            |     |                     | Total Load: |       | 0 VA |      | 0 VA |      | 0 VA |      |       |      |                     |     |            |
|            |     |                     | Total Amps: |       | 0 A  |      | 0 A  |      | 0 A  |      |       |      |                     |     |            |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                   |
|---------------------|----------------|---------------|------------------|--------------------------------|
|                     |                |               |                  | Total Conn. Load: 0 VA         |
|                     |                |               |                  | Total Est. Demand: 0 VA        |
|                     |                |               |                  | Total Conn. Current: 0 A       |
|                     |                |               |                  | Total Est. Demand Current: 0 A |
|                     |                |               |                  |                                |
|                     |                |               |                  |                                |

## Notes:

SIEMENS #S2E4ML250ABS

## Switchboard: MDP

Location: ELEC. CLOSET E122

Supply From:

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MCB

Mains Rating: 800 A

MCB Rating: 800 A

## Notes:

EXISTING

| CKT               | Circuit Description | # of Poles | Frame Size | Trip Rating | Load      | Remarks |
|-------------------|---------------------|------------|------------|-------------|-----------|---------|
| 1                 | HV-1                | 3          | 250 A      | 200 A       | 14210 VA  |         |
| 2                 | HV2                 | 3          | 250 A      | 200 A       | 72944 VA  |         |
| 3                 | T LV-3              | 3          | 250 A      | 175 A       | 33754 VA  |         |
| 4                 | TLFP                | 3          | 100 A      | 50 A        | 0 VA      | 1       |
| 5                 | T LV-4              | 3          | 250 A      | 100 A       | 0 VA      |         |
| 6                 | AC-2                | 3          | 100 A      | 70 A        | 0 VA      |         |
| 7                 | HV3                 | 3          | 250 A      | 225 A       | 0 VA      |         |
| 8                 | HV4                 | 3          | 250 A      | 225 A       | 53828 VA  | 2       |
| 9                 |                     |            |            |             |           |         |
| 10                |                     |            |            |             |           |         |
| 11                |                     |            |            |             |           |         |
| 12                |                     |            |            |             |           |         |
| 13                |                     |            |            |             |           |         |
| 14                |                     |            |            |             |           |         |
| 15                |                     |            |            |             |           |         |
| 16                |                     |            |            |             |           |         |
| 17                |                     |            |            |             |           |         |
| 18                |                     |            |            |             |           |         |
| 19                |                     |            |            |             |           |         |
| 20                |                     |            |            |             |           |         |
| Total Conn. Load: |                     |            |            |             | 174636 VA |         |
| Total Amps:       |                     |            |            |             | 210 A     |         |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                     |
|---------------------|----------------|---------------|------------------|----------------------------------|
| Lighting            | 14450 VA       | 125.00%       | 18063 VA         |                                  |
| Motor               | 8650 VA        | 100.00%       | 8650 VA          | Total Conn. Load: 174636 VA      |
| HVAC                | 83916 VA       | 100.00%       | 83916 VA         | Total Est. Demand: 158987 VA     |
| Electric Heat       | 12000 VA       | 125.00%       | 15000 VA         | Total Conn. Current: 210 A       |
| Other               |                | 0.00%         | 0 VA             | Total Est. Demand Current: 192 A |
| Receptacle          | 54342 VA       | 59.20%        | 32171 VA         |                                  |
| Lighting - Exterior | 1278 VA        | 125.00%       | 1598 VA          |                                  |

## Notes:

SIEMENS SB #86-77662-A00010

## Branch Panel: HV-1

Location: ELEC. CLOSET E121

Supply From: MDP

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MLO

Mains Rating: 250 A

MCB Rating:

## Notes:

EXISTING

| CKT  | CKT |            |                     |             |       |         |         |         |         |         |         |       |      |                     | CKT | CKT  |
|------|-----|------------|---------------------|-------------|-------|---------|---------|---------|---------|---------|---------|-------|------|---------------------|-----|------|
| NOTE | S   |            | Circuit Description | Trip        | Poles | A       | B       | C       | A       | B       | C       | Poles | Trip | Circuit Description |     | NOTE |
|      | 1   | LIGHTS     | 111-117             | 20 A        | 1     | 0 VA    |         |         | 0 VA    |         |         | 1     | 30 A | Space               | 2   |      |
|      | 3   | LIGHTS     | 100-110             | 20 A        | 1     |         | 0 VA    |         |         | 0 VA    |         | 1     | 20 A | Space               | 4   |      |
|      | 5   | Spare      |                     | 20 A        | 1     |         |         | 0 VA    |         |         | --      | 1     | --   | Space               | 6   |      |
|      | 7   | LIGHT CONF | RM #1, #2           | 20 A        | 1     | 0 VA    |         |         | 0 VA    |         |         | 3     | 30 A | AC-4                | 8   |      |
|      | 9   | E120 E100  | LTG                 | 20 A        | 1     |         | 1310 VA |         |         | 0 VA    |         | --    | --   | --                  | 10  | --   |
|      | 11  | Space      |                     | --          | 1     |         |         | --      |         |         | 0 VA    | --    | --   | --                  | 12  | --   |
|      | 13  | Space      |                     | --          | 1     | --      |         |         | 0 VA    |         |         | 3     | 30 A | AC-5                | 14  | --   |
|      | 15  | Space      |                     | --          | 1     |         | --      |         |         | 0 VA    |         | --    | --   | --                  | 16  | --   |
|      | 17  | Space      |                     | --          | 1     |         |         | --      |         |         | 0 VA    | --    | --   | --                  | 18  | --   |
|      | 19  | Spare      |                     | 20 A        | 2     | 0 VA    |         |         | --      |         |         | 1     | --   | Space               | 20  |      |
| --   | 21  | --         |                     | --          | --    |         | 0 VA    |         |         | --      |         | 1     | --   | Space               | 22  |      |
|      | 23  | Space      |                     | --          | 1     |         | --      |         |         |         | 4000 VA | 3     | 20 A | EWB-1               | 24  | 1    |
|      | 25  | Space      |                     | --          | 1     | --      |         |         | 4000 VA |         |         | --    | --   | --                  | 26  | --   |
|      | 27  | Space      |                     | --          | 1     |         | --      |         |         | 4000 VA |         | --    | --   | --                  | 28  | --   |
|      | 29  |            |                     |             |       |         |         |         |         |         | 0 VA    | --    | 20 A | Spare               | 30  |      |
|      | 31  |            |                     |             |       |         |         |         | 0 VA    |         |         | --    | --   | --                  | 32  | --   |
|      | 33  |            |                     |             |       |         |         |         |         | 0 VA    |         | --    | --   | --                  | 34  | --   |
|      | 35  | T LV-1     |                     | 100 A       | 3     |         |         | 0 VA    |         |         | --      | 1     | --   | Space               | 36  |      |
| --   | 37  | --         |                     | --          | 0 VA  |         |         |         | --      |         |         | --    | --   | Space               | 38  |      |
| --   | 39  | --         |                     | --          | --    | 900 VA  |         |         |         | 0 VA    | --      | 1     | 20 A | Spare               | 40  |      |
|      | 41  | Space      |                     | --          | 1     |         |         |         |         |         | --      | 1     | --   | Space               | 42  |      |
|      |     |            |                     | Total Load: |       | 4000 VA |         | 6210 VA |         | 4000 VA |         |       |      |                     |     |      |



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## REVISION:

|                             |            |
|-----------------------------|------------|
| 100% CONSTRUCTION DOCUMENTS | 08/20/2026 |
|-----------------------------|------------|

Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

## ELECTRICAL PANEL SCHEDULES - OPERATIONS

## Branch Panel: LV-3

Location: ELEC. CLOSET E122

Supply From: T LV-3

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MCB

Mains Rating: 225 A

MCB Rating: 200 A

## Notes:

EXISTING

| CKT         | CKT               |                      |      |       |         | A        | B       | C       | A       | B        | C       | Poles  | Trip |                       |      | CKT  | CKT |
|-------------|-------------------|----------------------|------|-------|---------|----------|---------|---------|---------|----------|---------|--------|------|-----------------------|------|------|-----|
| NOTE        | S                 |                      |      |       |         |          |         |         |         |          |         |        |      |                       |      | NOTE | S   |
| 1           | 1                 | Circuit Description  | Trip | Poles |         | 1080 VA  |         |         | 1600 VA |          |         |        |      |                       |      | 2    | 1   |
|             | 3                 | RM 101 SW GFI RECEPS | 20 A | 1     |         |          | 720 VA  |         |         | 1600 VA  |         | 1      | 20 A | RM 120 SOUTH DESK 1   |      | 4    | 1   |
|             | 5                 | BOOT DRYER           | 30 A | 2     |         |          |         | 1500 VA |         |          | 1600 VA | 1      | 20 A | RM 120 CENTRAL DESK 2 |      | 6    | 1   |
|             | --                | 7                    | --   | --    | 1500 VA |          |         |         | 1600 VA |          |         | 1      | 20 A | RM 120 CENTRAL DESK 1 |      | 8    | 1   |
|             | 3                 | ICE MACHINE          | 20 A | 2     |         | 600 VA   |         |         |         | 1600 VA  |         | 1      | 20 A | RM 120 NORTH DESK 1   |      | 10   | 1   |
|             | --                | 11                   | --   | --    |         |          |         | 600 VA  |         |          | 1600 VA | 1      | 20 A | RM 120 NORTH DESK 2   |      | 12   | 1   |
| 2 G         | 13                | RM 101 WASHER        | 20 A | 1     | 1920 VA |          |         |         | 216 VA  |          |         | 1      | 20 A | KH-1                  |      | 14   |     |
| 2 G         | 15                | RM 101 DRYER         | 30 A | 2     |         | 2496 VA  |         |         |         | 216 VA   |         | 1      | 20 A | KH-2                  |      | 16   |     |
| --          | 17                | --                   | --   | --    |         |          |         | 2496 VA |         |          |         | 250 VA | 1    | 20 A                  | RP-2 |      | 18  |
| 1           | 19                | RM 101 NW GFI RECEPS | 20 A | 1     | 720 VA  |          |         |         |         |          |         |        |      |                       |      | 20   |     |
| 1           | 21                | RM 101 NE GFI RECEPS | 20 A | 1     |         | 720 VA   |         |         |         |          |         |        |      |                       |      | 22   |     |
| 1           | 23                | TV REC 101           | 20 A | 1     |         |          |         | 0 VA    |         |          |         |        |      |                       |      | 24   |     |
| 1           | 25                | IT RACK 101          | 20 A | 1     |         | 0 VA     |         |         |         |          |         |        |      |                       |      | 26   |     |
| 1           | 27                | OH DOOR              | 20 A | 1     |         |          | 1200 VA |         |         |          |         |        |      |                       |      | 28   |     |
| 1           | 29                | OH DOOR              | 20 A | 1     |         |          |         | 1200 VA |         |          |         |        |      |                       |      | 30   |     |
| 1           | 31                | OH DOOR              | 20 A | 1     |         | 1200 VA  |         |         |         |          |         |        |      |                       |      | 32   |     |
| 1           | 33                | OH DOOR              | 20 A | 1     |         |          | 1200 VA |         |         |          |         |        |      |                       |      | 34   |     |
| 35          | Other             |                      | 20 A | 1     |         |          |         | 100 VA  |         |          |         |        |      |                       |      | 36   |     |
| 37          | GENSET LOADS      |                      | 40 A | 2     | 1750 VA |          |         |         |         |          |         |        |      |                       |      | 38   |     |
| --          | 39                | --                   | --   | --    |         | 1750 VA  |         |         |         | 0 VA     |         | 1      | 20 A | Spare                 |      | 40   |     |
| 41          | NORTH WALL RECEPS |                      | 20 A | 1     |         |          |         | 720 VA  |         |          | 0 VA    | 1      | 20 A | Spare                 |      | 42   |     |
| Total Load: |                   |                      |      |       |         | 11586 VA |         | 720 VA  |         | 12102 VA |         | 0 VA   |      |                       |      |      |     |
| Total Amps: |                   |                      |      |       |         | 98 A     |         | 103 A   |         | 10066 VA |         |        |      |                       | 84 A |      |     |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                                                                                                              |
|---------------------|----------------|---------------|------------------|---------------------------------------------------------------------------------------------------------------------------|
| Motor               | 5050 VA        | 100.00%       | 5050 VA          | Total Conn. Load: 33754 VA<br>Total Est. Demand: 24668 VA<br>Total Conn. Current: 94 A<br>Total Est. Demand Current: 68 A |
| HVAC                | 532 VA         | 100.00%       | 532 VA           |                                                                                                                           |
| Receptacle          | 28172 VA       | 67.75%        | 19086 VA         |                                                                                                                           |
|                     |                |               |                  |                                                                                                                           |
|                     |                |               |                  |                                                                                                                           |
|                     |                |               |                  |                                                                                                                           |

## Notes:

SIEMENS

## Branch Panel: LV-4

Location: ELEC. CLOSET E122

Supply From: T LV-4

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MCB

Mains Rating: 250 A

MCB Rating: 200 A

## Notes:

EXISTING

| CKT NOTE S  | CKT | Circuit Description | Trip | Poles | A    | B    | C    | A    | B    | C    | Poles | Trip | Circuit Description | CKT                   | CKT NOTE S |
|-------------|-----|---------------------|------|-------|------|------|------|------|------|------|-------|------|---------------------|-----------------------|------------|
| 1           |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 2                     |            |
| 3           |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 4                     |            |
| 5           |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 6                     |            |
| 7           |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 8                     |            |
| 9           |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 10                    |            |
| 11          |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 12                    |            |
| 13          |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 14                    |            |
| 15          |     |                     |      |       |      |      |      |      |      |      |       |      |                     | 16                    |            |
| 17          |     |                     |      |       |      |      |      |      |      |      | 0 VA  | 1    | 20 A                | COPIER                | 18         |
| 19          |     |                     |      |       |      |      |      | 0 VA |      |      | 0 VA  | 1    | 20 A                | TV REC 101            | 20         |
| 21          |     |                     |      |       |      |      |      |      | 0 VA |      |       | 1    | 20 A                | REC 101               | 22         |
| 23          |     |                     |      |       |      |      |      |      |      | 0 VA |       | 1    | 20 A                | REC CONFERENCE ROOM 1 | 24         |
| 25          |     | COPIER              | 20 A | 1     |      |      | 0 VA |      |      | 0 VA |       | 1    | 20 A                | TV REC 101            | 26         |
| 27          |     |                     |      |       |      |      |      |      |      |      | 0 VA  | 1    | 20 A                | COPIER                | 28         |
| 29          |     |                     |      |       |      |      |      |      |      |      | 0 VA  | 2    | 30 A                | IT ROOM AC            | 30         |
| 31          |     |                     |      |       |      |      |      | 0 VA |      |      | --    | --   | --                  | 32                    | --         |
| 33          |     | IT ROOM AC          | 30 A | 2     |      |      | 0 VA |      |      | 0 VA |       | 2    | 30 A                | IT ROOM AC            | 34         |
| 35          |     |                     | --   | --    |      |      |      | 0 VA |      |      | 0 VA  | --   | --                  | 36                    | --         |
| 37          |     | IT ROOM AC          | 30 A | 2     |      | 0 VA |      | 0 VA |      | 0 VA |       | 1    | 20 A                | OUTSIDE REC           | 38         |
| --          | 39  | --                  | --   | --    |      |      | 0 VA |      |      | 0 VA |       | 1    | 20 A                | Spare                 | 40         |
| 41          |     | Spare               | 20 A | 1     |      |      |      | 0 VA |      |      | 0 VA  | 1    | 20 A                | Spare                 | 42         |
| Total Load: |     |                     |      |       | 0 VA |      |      | 0 VA |      |      | 0 VA  |      |                     |                       |            |
| Total Amps: |     |                     |      |       | 0 A  |      |      | 0 A  |      |      | 0 A   |      |                     |                       |            |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                   |
|---------------------|----------------|---------------|------------------|--------------------------------|
|                     |                |               |                  | Total Conn. Load: 0 VA         |
|                     |                |               |                  | Total Est. Demand: 0 VA        |
|                     |                |               |                  | Total Conn. Current: 0 A       |
|                     |                |               |                  | Total Est. Demand Current: 0 A |
|                     |                |               |                  |                                |

## Notes:

SIEMENS

## Branch Panel: LV-1

Location: ELEC. CLOSET E121

Supply From: T LV-1

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MCB

Mains Rating: 225 A

MCB Rating: 200 A

## Notes:

EXISTING

| CKT<br>NOTE<br>S | CKT | Circuit Description | Trip | Poles | A    | B    | C    | A    | B    | C      | Poles | Trip | Circuit Description  | CKT | CKT<br>NOTE<br>S |
|------------------|-----|---------------------|------|-------|------|------|------|------|------|--------|-------|------|----------------------|-----|------------------|
| 1                |     | REC 102, 103        | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 2     | 30 A | WATER HEATER         | 2   |                  |
| 3                |     | REC 104, 105        | 20 A | 1     |      | 0 VA |      |      | 0 VA |        |       |      |                      |     |                  |
| 5                |     | LOCKER RM REC       | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 4   |                  |
| 7                |     | HAND DRYER WOMENS   | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 1     | 20 A | MICROWAVE BREAK ROOM | 6   |                  |
| 9                |     | HAND DRYER WOMENS   | 20 A | 1     |      | 0 VA |      |      | 0 VA |        | 1     | 20 A | MICROWAVE BREAK ROOM | 8   |                  |
| 11               |     | HAND DRYER WOMENS   | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 10  |                  |
| 13               |     | HAND DRYER WOMENS   | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 1     | 20 A | MICROWAVE BREAK ROOM | 12  |                  |
| 15               |     | EXHAUST FAN & REC   | 20 A | 1     |      | 0 VA |      | 0 VA |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 14  |                  |
| 17               |     | HAND DRYER MENS     | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 16  |                  |
| 19               |     | HAND DRYER MENS     | 20 A | 1     | 0 VA |      |      |      | 0 VA |        | 1     | 20 A | MICROWAVE BREAK ROOM | 18  |                  |
| 21               |     | HAND DRYER MENS     | 20 A | 1     |      | 0 VA |      |      |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 20  |                  |
| 23               |     | REC BREAK ROOM      | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | MICROWAVE BREAK ROOM | 22  |                  |
| 25               |     | ICE MACHINE         | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 1     | 20 A | BLINDS               | 24  |                  |
| 27               |     | VENDING             | 20 A | 1     |      | 0 VA |      |      |      | 0 VA   | 1     | 20 A | BLINDS               | 26  |                  |
| 29               |     | VENDING             | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | REC OFFICE 112, 113  | 28  |                  |
| 31               |     | VENDING             | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 1     | 20 A | FIRE ALARM PANEL     | 30  |                  |
| 33               |     | VENDING             | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | OUTSIDE REC          | 32  |                  |
| 35               |     | DISPOSAL BREAK ROOM | 20 A | 1     |      |      | 0 VA |      |      | 900 VA | 1     | 20 A | DISHWASHER           | 34  | 2 G              |
| 37               |     | DISPOSAL BREAK ROOM | 20 A | 1     | 0 VA |      |      | 0 VA |      |        | 1     | 20 A | Spare                | 36  |                  |
| 39               |     | REC BREAK ROOM      | 20 A | 1     |      | 0 VA |      |      |      | 0 VA   | 1     | 20 A | Spare                | 38  |                  |
| 41               |     | REC BREAK ROOM      | 20 A | 1     |      |      | 0 VA |      |      | 0 VA   | 1     | 20 A | Spare                | 40  |                  |
| Total Load:      |     |                     |      |       |      | 0 VA |      | 0 VA |      | 900 VA |       |      |                      |     |                  |
| Total Amps:      |     |                     |      |       |      | 0 A  |      | 0 A  |      | 8 A    |       |      |                      |     |                  |

## Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                                                                                                        |
|---------------------|----------------|---------------|------------------|---------------------------------------------------------------------------------------------------------------------|
| Receptacle          | 900 VA         | 100.00%       | 900 VA           | Total Conn. Load: 900 VA<br>Total Est. Demand: 900 VA<br>Total Conn. Current: 2 A<br>Total Est. Demand Current: 2 A |
|                     |                |               |                  |                                                                                                                     |
|                     |                |               |                  |                                                                                                                     |
|                     |                |               |                  |                                                                                                                     |
|                     |                |               |                  |                                                                                                                     |
|                     |                |               |                  |                                                                                                                     |

## Notes:

SIEMENS

## Branch Panel: LV-2

Location: ELEC. CLOSET E121

Supply From: T LV-2

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type: MCB

Mains Rating: 225 A

MCB Rating: 175 A

## Notes:

EXISTING

| CKT         | CKT<br>NOTE<br>S | Circuit Description     | Trip | Poles | A       | B    | C       | A      | B       | C       | Poles | Trip | Circuit Description    | CKT | CKT<br>NOTE<br>S |
|-------------|------------------|-------------------------|------|-------|---------|------|---------|--------|---------|---------|-------|------|------------------------|-----|------------------|
| 1           |                  | REC 114, 115            | 20 A | 1     | 0 VA    |      |         | 0 VA   |         |         | 1     | 20 A | VENDING BREAK ROOM     | 2   |                  |
| 3           |                  | REC IT ROOM             | 20 A | 1     |         | 0 VA |         |        |         | 0 VA    | 1     | 20 A | VENDING BREAK ROOM     | 4   |                  |
| 5           |                  | REC IT RACK             | 20 A | 1     |         |      | 0 VA    |        |         | 180 VA  | 1     | 20 A | FITNESS RECEP          | 6   |                  |
| 7           |                  | REC IT RACK             | 20 A | 1     | 0 VA    |      |         | 180 VA |         |         | 1     | 20 A | FITNESS RECEP          | 8   |                  |
| 9           |                  | REC IT RACK             | 20 A | 1     |         | 0 VA |         |        |         | 180 VA  | 1     | 20 A | FITNESS RECEP          | 10  |                  |
| 11          |                  | REC IT RACK             | 30 A | 1     |         |      | 0 VA    |        |         | 180 VA  | 1     | 20 A | FITNESS RECEP          | 12  |                  |
| 13          |                  | REC IT RACK             | 30 A | 1     | 0 VA    |      |         | 180 VA |         |         | 1     | 20 A | FITNESS RECEP          | 14  |                  |
| 15          |                  | REC IT RACK             | 20 A | 1     |         | 0 VA |         |        |         | 360 VA  | 1     | 20 A | EAST PRINTER 120       | 16  |                  |
| 17          |                  | REC IT RACK             | 20 A | 1     |         |      | 0 VA    |        |         | 360 VA  | 1     | 20 A | WEST PRINTER 120       | 18  |                  |
| 19          |                  | REC CONFERENCE ROOM 2   | 20 A | 1     |         |      |         | 180 VA |         |         | 1     | 20 A | FLOOR RECEP EAST 120   | 20  |                  |
| 21          |                  | REC CONFERENCE ROOM 2   | 20 A | 1     |         | 0 VA |         |        | 1200 VA |         | 1     | 20 A | FLOOR RECEP WEST 120   | 22  |                  |
| 23          |                  | REC CONFERENCE ROOM 1   | 20 A | 1     |         |      | 0 VA    |        | 1200 VA | 1200 VA | 1     | 20 A | FLOOR RECEP CETRAL 120 | 24  |                  |
| 25          |                  | REC CONFERENCE ROOM 1   | 20 A | 1     | 0 VA    |      |         | 360 VA |         |         | 1     | 20 A | RECIP 123 124          | 26  |                  |
| 27          |                  | COPPER 101              | 20 A | 1     |         | 0 VA |         |        | 540 VA  |         | 1     | 20 A | RECIP 100              | 28  |                  |
| 29          |                  | REC 101                 | 20 A | 1     |         |      | 0 VA    |        |         | 540 VA  | 1     | 20 A | GFI RECEPT 109 110     | 30  |                  |
| 31          |                  | FREEZER BREAK ROOM      | 20 A | 1     | 0 VA    |      |         | 180 VA |         |         | 1     | 20 A | GAS RANGE              | 32  | 2 G              |
| 33          |                  | FREEZER BREAK ROOM      | 20 A | 1     |         | 0 VA |         |        | 60 VA   |         | 1     | 20 A | ACCESS CONTROL         | 34  |                  |
| 35          |                  | REFRIGERATOR BREAK ROOM | 20 A | 1     |         |      | 0 VA    |        |         | 180 VA  | 1     | 20 A | GAS RANGE              | 36  | 2 G              |
| 37          |                  | REFRIGERATOR BREAK ROOM | 20 A | 1     | 0 VA    |      |         | 0 VA   |         |         | 1     | 20 A | REC CONFERENCE ROOM 2  | 38  |                  |
| 39          |                  | Spare                   | 20 A | 1     |         | 0 VA |         |        | 0 VA    |         | 1     | 20 A | REC CONFERENCE ROOM 1  | 40  |                  |
| 41          |                  | Spare                   | 20 A | 1     |         |      | 0 VA    |        |         | --      | 1     | --   | Space                  | 42  |                  |
| Total Load: |                  |                         |      |       | 1080 VA |      | 2340 VA |        | 2640 VA |         |       |      |                        |     |                  |
|             |                  |                         |      |       | 9 A     |      | 21 A    |        | 24 A    |         |       |      |                        |     |                  |



| Branch Panel: L5    |     |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     |    |  |
|---------------------|-----|----------------------------|----------------|--------------------|---------------|---------|------------------|-----------------------|---------------------------------|---|-------|------|---------------------|----|--|
| Location:           |     |                            |                | Volts: 120/208 Wye |               |         |                  | A.I.C. Rating: 10,000 |                                 |   |       |      |                     |    |  |
| Supply From:        |     |                            |                | Phases: 3          |               |         |                  | Mains Type: MCB       |                                 |   |       |      |                     |    |  |
| Mounting: Surface   |     |                            |                | Wires: 4           |               |         |                  | Mains Rating: 200 A   |                                 |   |       |      |                     |    |  |
| Enclosure: NEMA 4X  |     |                            |                |                    |               |         |                  | MCB Rating: 175 A     |                                 |   |       |      |                     |    |  |
| Notes:<br>NEW       |     |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     |    |  |
| CKT<br>NOTE<br>S    | CKT |                            |                |                    |               |         |                  |                       |                                 |   |       | CKT  | CKT<br>NOTE<br>S    |    |  |
|                     |     | Circuit Description        | Trip           | Poles              | A             | B       | C                | A                     | B                               | C | Poles | Trip | Circuit Description |    |  |
|                     | 1   | COVERED STOR WALL PACK LTG | 20 A           | 1                  | 678 VA        |         |                  |                       |                                 |   |       |      |                     | 2  |  |
|                     | 3   | COVERED STOR LTG           | 20 A           | 1                  |               | 1150 VA |                  |                       |                                 |   |       |      |                     | 4  |  |
|                     | 5   | GFI RECEPS SE COVERED...   | 20 A           | 1                  |               |         | 720 VA           |                       |                                 |   |       |      |                     | 6  |  |
|                     | 7   | GFI RECEPS NE COVERED...   | 20 A           | 1                  | 360 VA        |         |                  |                       |                                 |   |       |      |                     | 8  |  |
|                     | 9   | GFI RECEPS SW COVERED...   | 20 A           | 1                  |               | 720 VA  |                  |                       |                                 |   |       |      |                     | 10 |  |
|                     | 11  | GFI RECEPS NW COVERED...   | 20 A           | 1                  |               |         | 360 VA           |                       |                                 |   |       |      |                     | 12 |  |
|                     | 13  | 6-50 RECEP                 | 50 A           | 2                  | 1750 VA       |         |                  |                       |                                 |   |       |      |                     | 14 |  |
| --                  | 15  | --                         | --             | --                 |               | 1750 VA |                  |                       |                                 |   |       |      |                     | 16 |  |
|                     | 17  | 14-50 RECEP                | 50 A           | 2                  |               |         | 1750 VA          |                       |                                 |   |       |      |                     | 18 |  |
| --                  | 19  | --                         | --             | --                 | 1750 VA       |         |                  |                       |                                 |   |       |      |                     | 20 |  |
|                     | 21  | L14-20 RECEP               | 20 A           | 2                  |               | 500 VA  |                  |                       |                                 |   |       |      |                     | 22 |  |
| --                  | 23  | --                         | --             | --                 |               |         | 500 VA           |                       |                                 |   |       |      |                     | 24 |  |
|                     | 25  | FAPS                       | 20 A           | 1                  | 500 VA        |         |                  |                       |                                 |   |       |      |                     | 26 |  |
|                     | 27  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 28 |  |
|                     | 29  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 30 |  |
|                     | 31  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 32 |  |
|                     | 33  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 34 |  |
|                     | 35  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 36 |  |
|                     | 37  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 38 |  |
|                     | 39  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 40 |  |
|                     | 41  |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     | 42 |  |
|                     |     |                            | Total Load:    |                    | 5038 VA       |         | 4120 VA          |                       | 3330 VA                         |   |       |      |                     |    |  |
|                     |     |                            | Total Amps:    |                    | 43 A          |         | 35 A             |                       | 28 A                            |   |       |      |                     |    |  |
| Legend:             |     |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     |    |  |
| Load Classification |     |                            | Connected Load |                    | Demand Factor |         | Estimated Demand |                       | Panel Totals                    |   |       |      |                     |    |  |
| Lighting            |     |                            | 1828 VA        |                    | 125.00%       |         | 2285 VA          |                       |                                 |   |       |      |                     |    |  |
| Receptacle          |     |                            | 10660 VA       |                    | 96.90%        |         | 10330 VA         |                       | Total Conn. Load: 12488 VA      |   |       |      |                     |    |  |
|                     |     |                            |                |                    |               |         |                  |                       | Total Est. Demand: 12615 VA     |   |       |      |                     |    |  |
|                     |     |                            |                |                    |               |         |                  |                       | Total Conn. Current: 35 A       |   |       |      |                     |    |  |
|                     |     |                            |                |                    |               |         |                  |                       | Total Est. Demand Current: 35 A |   |       |      |                     |    |  |
|                     |     |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     |    |  |
| Notes:              |     |                            |                |                    |               |         |                  |                       |                                 |   |       |      |                     |    |  |

| Branch Panel: FP         |     |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     |     |                  |
|--------------------------|-----|---------------------|------|----------------|-------------|--------------------|---|------------------|---|--------------------------------|-------|---------------------|---------------------|-----|------------------|
| Location: WAREHOUSE W100 |     |                     |      |                |             | Volts: 120/208 Wye |   |                  |   |                                |       | A.I.C. Rating:      |                     |     |                  |
| Supply From: TLPF        |     |                     |      |                |             | Phases: 3          |   |                  |   |                                |       | Mains Type: MCB     |                     |     |                  |
| Mounting: Surface        |     |                     |      |                |             | Wires: 4           |   |                  |   |                                |       | Mains Rating: 100 A |                     |     |                  |
| Enclosure: Type 1        |     |                     |      |                |             |                    |   |                  |   |                                |       | MCB Rating: 100 A   |                     |     |                  |
| Notes:                   |     |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     |     |                  |
| CKT<br>NOTE<br>S         | CKT | Circuit Description | Trip | Poles          | A           | B                  | C | A                | B | C                              | Poles | Trip                | Circuit Description | CKT | CKT<br>NOTE<br>S |
|                          | 1   |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 2   |                  |
|                          | 3   |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 4   |                  |
|                          | 5   |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 6   |                  |
|                          | 7   |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 8   |                  |
|                          | 9   |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 10  |                  |
|                          | 11  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 12  |                  |
|                          | 13  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 14  |                  |
|                          | 15  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 16  |                  |
|                          | 17  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 18  |                  |
|                          | 19  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 20  |                  |
|                          | 21  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 22  |                  |
|                          | 23  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 24  |                  |
|                          | 25  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 26  |                  |
|                          | 27  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 28  |                  |
|                          | 29  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 30  |                  |
|                          | 31  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 32  |                  |
|                          | 33  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 34  |                  |
|                          | 35  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 36  |                  |
|                          | 37  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 38  |                  |
|                          | 39  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 40  |                  |
|                          | 41  |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     | 42  |                  |
|                          |     |                     |      |                | Total Load: | 0 VA               |   | 0 VA             |   | 0 VA                           |       |                     |                     |     |                  |
|                          |     |                     |      |                | Total Amps: | 0 A                |   | 0 A              |   | 0 A                            |       |                     |                     |     |                  |
| Legend:                  |     |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     |     |                  |
| Load Classification      |     |                     |      | Connected Load |             | Demand Factor      |   | Estimated Demand |   | Panel Totals                   |       |                     |                     |     |                  |
|                          |     |                     |      |                |             |                    |   |                  |   | Total Conn. Load: 0 VA         |       |                     |                     |     |                  |
|                          |     |                     |      |                |             |                    |   |                  |   | Total Est. Demand: 0 VA        |       |                     |                     |     |                  |
|                          |     |                     |      |                |             |                    |   |                  |   | Total Conn. Current: 0 A       |       |                     |                     |     |                  |
|                          |     |                     |      |                |             |                    |   |                  |   | Total Est. Demand Current: 0 A |       |                     |                     |     |                  |
|                          |     |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     |     |                  |
| Notes:                   |     |                     |      |                |             |                    |   |                  |   |                                |       |                     |                     |     |                  |

| Branch Panel: H4            |     |                     |  |                |       |                    |         |                  |          |                                  |          |                       |       |                     |     |                  |
|-----------------------------|-----|---------------------|--|----------------|-------|--------------------|---------|------------------|----------|----------------------------------|----------|-----------------------|-------|---------------------|-----|------------------|
| Location: MAINT. MEZZ. M109 |     |                     |  |                |       | Volts: 480/277 Wye |         |                  |          |                                  |          | A.I.C. Rating: 14,000 |       |                     |     |                  |
| Supply From: ATS-4          |     |                     |  |                |       | Phases: 3          |         |                  |          |                                  |          | Mains Type: MLO       |       |                     |     |                  |
| Mounting: Surface           |     |                     |  |                |       | Wires: 4           |         |                  |          |                                  |          | Mains Rating: 225 A   |       |                     |     |                  |
| Enclosure: Type 1           |     |                     |  |                |       |                    |         |                  |          |                                  |          | MCB Rating:           |       |                     |     |                  |
| Notes:<br>NEW               |     |                     |  |                |       |                    |         |                  |          |                                  |          |                       |       |                     |     |                  |
| CKT<br>NOTE<br>S            | CKT | Circuit Description |  | Trip           | Poles | A                  | B       | C                | A        | B                                | C        | Poles                 | Trip  | Circuit Description | CKT | CKT<br>NOTE<br>S |
|                             | 1   | MAINT LTG           |  | 20 A           | 1     | 3438 VA            |         |                  | 14720 VA |                                  |          | 3                     | 125 A | T4                  | 2   |                  |
|                             | 3   | M106/M107/M108 LTG  |  | 20 A           | 1     |                    | 1676 VA |                  |          | 14640...                         |          | --                    | --    | --                  | 4   | --               |
|                             | 5   | EXTERIOR LTG        |  | 20 A           | 1     |                    |         | 2692 VA          |          |                                  | 12060 VA | --                    | --    | --                  | 6   | --               |
|                             | 7   |                     |  |                |       |                    |         |                  | 3333 VA  |                                  |          | 3                     | 20 A  | EH-4                | 8   | --               |
| --                          | 9   | EH-1                |  | 20 A           | 3     |                    | 3333 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 10  | --               |
| --                          | 11  |                     |  | --             | --    |                    |         | 3333 VA          |          |                                  | 3333 VA  | --                    | --    | --                  | 12  | --               |
| --                          | 13  |                     |  | --             | --    | 3333 VA            |         |                  | 3333 VA  |                                  |          | 3                     | 20 A  | EH-5                | 14  | --               |
|                             | 15  | EH-2                |  | 20 A           | 3     |                    | 3333 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 16  | --               |
| --                          | 17  |                     |  | --             | --    |                    | 3333 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 18  | --               |
| --                          | 19  |                     |  | --             | --    | 3333 VA            |         |                  | 3333 VA  |                                  |          | 3                     | 20 A  | EH-6                | 20  | --               |
|                             | 21  | EH-3                |  | 20 A           | 3     |                    | 3333 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 22  | --               |
| --                          | 23  |                     |  | --             | --    |                    |         | 3333 VA          |          |                                  | 3333 VA  | --                    | --    | --                  | 24  | --               |
| --                          | 25  |                     |  | --             | --    | 3333 VA            |         |                  | 3333 VA  |                                  |          | 3                     | 20 A  | EH-7                | 26  | --               |
|                             | 27  | EH-9                |  | 20 A           | 1     |                    | 3000 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 28  | --               |
|                             | 29  | EH-10               |  | 20 A           | 1     |                    | 3000 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 30  | --               |
|                             | 31  | EH-11               |  | 20 A           | 1     | 3000 VA            |         |                  | 3333 VA  |                                  |          | 3                     | 20 A  | EH-8                | 32  | --               |
|                             | 33  | DSF-3               |  | 15 A           | 1     |                    | 2300 VA |                  |          | 3333 VA                          |          | --                    | --    | --                  | 34  | --               |
|                             | 35  | SITE LTG.           |  | 20 A           | 1     |                    |         | 426 VA           |          |                                  | 3333 VA  | --                    | --    | --                  | 36  | --               |
|                             | 37  |                     |  |                |       |                    |         |                  | 0 VA     |                                  |          | 3                     | 30 A  | SPD                 | 38  | --               |
|                             | 39  | SITE LTG.           |  | 20 A           | 1     |                    | 213 VA  |                  |          | 0 VA                             |          | --                    | --    | --                  | 40  | --               |
|                             | 41  |                     |  |                |       |                    |         |                  |          |                                  | 0 VA     | --                    | --    | --                  | 42  | --               |
| Total Load:                 |     |                     |  |                |       | 47825 VA           |         | 48496 VA         |          | 44845 VA                         |          |                       |       |                     |     |                  |
| Total Amps:                 |     |                     |  |                |       | 174 A              |         | 177 A            |          | 162 A                            |          |                       |       |                     |     |                  |
| Legend:                     |     |                     |  |                |       |                    |         |                  |          |                                  |          |                       |       |                     |     |                  |
| Load Classification         |     |                     |  | Connected Load |       | Demand Factor      |         | Estimated Demand |          | Panel Totals                     |          |                       |       |                     |     |                  |
| Lighting                    |     |                     |  | 7806 VA        |       | 125.00%            |         | 9758 VA          |          |                                  |          |                       |       |                     |     |                  |
| Motor                       |     |                     |  | 9650 VA        |       | 100.00%            |         | 9650 VA          |          | Total Conn. Load: 141165 VA      |          |                       |       |                     |     |                  |
| HVAC                        |     |                     |  | 5770 VA        |       | 100.00%            |         | 5770 VA          |          | Total Est. Demand: 156734 VA     |          |                       |       |                     |     |                  |
| Electric Heat               |     |                     |  | 89510 VA       |       | 125.00%            |         | 111888 VA        |          | Total Conn. Current: 170 A       |          |                       |       |                     |     |                  |
| Receptacle                  |     |                     |  | 27840 VA       |       | 67.96%             |         | 18920 VA         |          | Total Est. Demand Current: 189 A |          |                       |       |                     |     |                  |
| Lighting - Exterior         |     |                     |  | 639 VA         |       | 125.00%            |         | 799 VA           |          |                                  |          |                       |       |                     |     |                  |
| Notes:                      |     |                     |  |                |       |                    |         |                  |          |                                  |          |                       |       |                     |     |                  |



| Branch Panel: U1          |     |                      |                |       |                    |         |                  |   |                                 |                       |       |      |                     |                  |
|---------------------------|-----|----------------------|----------------|-------|--------------------|---------|------------------|---|---------------------------------|-----------------------|-------|------|---------------------|------------------|
| Location: SERVER ROOM 149 |     |                      |                |       | Volts: 120/208 Wye |         |                  |   |                                 | A.I.C. Rating: 14,000 |       |      |                     |                  |
| Supply From: UPS-1        |     |                      |                |       | Phases: 3          |         |                  |   |                                 | Mains Type: MCB       |       |      |                     |                  |
| Mounting: Surface         |     |                      |                |       | Wires: 4           |         |                  |   |                                 | Mains Rating: 225 A   |       |      |                     |                  |
| Enclosure: Type 1         |     |                      |                |       |                    |         |                  |   |                                 | MCB Rating: 200       |       |      |                     |                  |
| Notes:<br>NEW             |     |                      |                |       |                    |         |                  |   |                                 |                       |       |      |                     |                  |
| CKT<br>NOTE<br>S          | CKT | Circuit Description  | Trip           | Poles | A                  | B       | C                | A | B                               | C                     | Poles | Trip | Circuit Description | CKT<br>NOTE<br>S |
| --                        | 1   | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 2                |
| --                        | 3   | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                       |       |      |                     | 4                |
| --                        | 5   | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                       |       |      |                     | 6                |
| --                        | 7   | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 8                |
| --                        | 9   | IT RACK              | 30 A           | 2     |                    | 2000 VA |                  |   |                                 |                       |       |      |                     | 10               |
| --                        | 11  | --                   | --             | --    |                    |         | 2000 VA          |   |                                 |                       |       |      |                     | 12               |
| --                        | 13  | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 14               |
| --                        | 15  | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                       |       |      |                     | 16               |
| --                        | 17  | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                       |       |      |                     | 18               |
| --                        | 19  | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 20               |
| --                        | 21  | IT RACK              | 30 A           | 2     |                    | 2000 VA |                  |   |                                 |                       |       |      |                     | 22               |
| --                        | 23  | --                   | --             | --    |                    |         | 2000 VA          |   |                                 |                       |       |      |                     | 24               |
| --                        | 25  | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 26               |
| --                        | 27  | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                       |       |      |                     | 28               |
| --                        | 29  | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                       |       |      |                     | 30               |
| --                        | 31  | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                       |       |      |                     | 32               |
|                           | 33  | RECEP E 149          | 20 A           | 1     |                    | 1080 VA |                  |   |                                 |                       |       |      |                     | 34               |
|                           | 35  | RECEP 148 + W 149    | 20 A           | 1     |                    |         | 720 VA           |   |                                 |                       |       |      |                     | 36               |
|                           | 37  | RECEP 151 TELEVISION | 20 A           | 1     | 360 VA             |         |                  |   |                                 |                       |       |      |                     | 38               |
|                           | 39  | RECEP 151 FLOORBOX   | 20 A           | 1     |                    | 800 VA  |                  |   |                                 |                       |       |      |                     | 40               |
|                           | 41  | RECEP 151 FLOORBOX   | 20 A           | 1     |                    |         | 800 VA           |   |                                 |                       |       |      |                     | 42               |
| Total Load:               |     |                      | 12360 VA       |       | 11880 VA           |         | 11520 VA         |   |                                 |                       |       |      |                     |                  |
| Total Amps:               |     |                      | 103 A          |       | 99 A               |         | 96 A             |   |                                 |                       |       |      |                     |                  |
| Legend:                   |     |                      |                |       |                    |         |                  |   |                                 |                       |       |      |                     |                  |
| Load Classification       |     |                      | Connected Load |       | Demand Factor      |         | Estimated Demand |   | Panel Totals                    |                       |       |      |                     |                  |
| Receptacle                |     |                      | 35760 VA       |       | 63.98%             |         | 22880 VA         |   |                                 |                       |       |      |                     |                  |
|                           |     |                      |                |       |                    |         |                  |   | Total Conn. Load: 35760 VA      |                       |       |      |                     |                  |
|                           |     |                      |                |       |                    |         |                  |   | Total Est. Demand: 22880 VA     |                       |       |      |                     |                  |
|                           |     |                      |                |       |                    |         |                  |   | Total Conn. Current: 99 A       |                       |       |      |                     |                  |
|                           |     |                      |                |       |                    |         |                  |   | Total Est. Demand Current: 64 A |                       |       |      |                     |                  |
|                           |     |                      |                |       |                    |         |                  |   |                                 |                       |       |      |                     |                  |
| Notes:                    |     |                      |                |       |                    |         |                  |   |                                 |                       |       |      |                     |                  |

| Branch Panel: S1    |     |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     |     |                  |
|---------------------|-----|--------------------------|----------------|-------|--------------------|---------|------------------|----------|----------------------------------|-----------------------|-------|-------|---------------------|-----|------------------|
| Location: ATS-2A    |     |                          |                |       | Volts: 120/208 Wye |         |                  |          |                                  | A.I.C. Rating: 14,000 |       |       |                     |     |                  |
| Supply From: ATS-2A |     |                          |                |       | Phases: 3          |         |                  |          |                                  | Mains Type: MCB       |       |       |                     |     |                  |
| Mounting: Surface   |     |                          |                |       | Wires: 4           |         |                  |          |                                  | Mains Rating: 225 A   |       |       |                     |     |                  |
| Enclosure: Type 1   |     |                          |                |       |                    |         |                  |          |                                  | MCB Rating: 200 A     |       |       |                     |     |                  |
| Notes:<br>NEW       |     |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     |     |                  |
| CKT<br>NOTE<br>S    | CKT | Circuit Description      | Trip           | Poles | A                  | B       | C                | A        | B                                | C                     | Poles | Trip  | Circuit Description | CKT | CKT<br>NOTE<br>S |
| --                  | 1   | CRAC-1                   | 80 A           | 3     | 5152 VA            |         |                  | 12360 VA |                                  |                       | 3     | 175 A | UPS                 | 2   |                  |
| --                  | 3   | --                       | --             | --    |                    | 5152 VA |                  |          | 11880...                         |                       | --    | --    | --                  | 4   | --               |
| --                  | 5   | --                       | --             | --    |                    |         | 5152 VA          |          |                                  | 11520 VA              | --    | --    | --                  | 6   | --               |
| --                  | 7   | ACC-1                    | 15 A           | 3     | 685 VA             |         |                  |          |                                  |                       |       |       |                     | 8   |                  |
| --                  | 9   | --                       | --             | --    |                    | 685 VA  |                  |          |                                  |                       |       |       |                     | 10  |                  |
| --                  | 11  | --                       | --             | --    |                    |         | 685 VA           |          |                                  |                       |       |       |                     | 12  |                  |
|                     | 13  | HARDENED AREA LTG        | 20 A           | 1     | 1432 VA            |         |                  |          |                                  |                       |       |       |                     | 14  |                  |
|                     | 15  | DISPATCH LTG             | 20 A           | 1     |                    | 675 VA  |                  |          |                                  |                       |       |       |                     | 16  |                  |
|                     | 17  | RECEP 151 WALLS          | 20 A           | 1     |                    |         | 720 VA           |          |                                  |                       |       |       |                     | 18  |                  |
|                     | 19  | RM 153 RECEP/FLUSH VALVE | 20 A           | 1     | 200 VA             |         |                  |          |                                  |                       |       |       |                     | 20  |                  |
|                     | 21  | RECEP 150                | 20 A           | 1     |                    | 1080 VA |                  |          |                                  |                       |       |       |                     | 22  |                  |
|                     | 23  | RECEP TV 150             | 20 A           | 1     |                    |         | 360 VA           |          |                                  |                       |       |       |                     | 24  |                  |
|                     | 25  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 26  |                  |
|                     | 27  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 28  |                  |
|                     | 29  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 30  |                  |
|                     | 31  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 32  |                  |
|                     | 33  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 34  |                  |
|                     | 35  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 36  |                  |
|                     | 37  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 38  |                  |
|                     | 39  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 40  |                  |
|                     | 41  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 42  |                  |
|                     | 43  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 44  |                  |
|                     | 45  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 46  |                  |
|                     | 47  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 48  |                  |
|                     | 49  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 50  |                  |
|                     | 51  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 52  |                  |
|                     | 53  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 54  |                  |
|                     | 55  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 56  |                  |
|                     | 57  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 58  |                  |
|                     | 59  |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     | 60  |                  |
|                     | 61  |                          |                |       |                    |         |                  | 0 VA     |                                  |                       | 3     | 30 A  | SPD                 | 62  |                  |
|                     | 63  |                          |                |       |                    |         |                  |          | 0 VA                             |                       | --    | --    | --                  | 64  | --               |
|                     | 65  |                          |                |       |                    |         |                  |          |                                  | 0 VA                  | --    | --    | --                  | 66  | --               |
| Total Load:         |     |                          | 19829 VA       |       | 19472 VA           |         | 18437 VA         |          |                                  |                       |       |       |                     |     |                  |
| Total Amps:         |     |                          | 167 A          |       | 164 A              |         | 154 A            |          |                                  |                       |       |       |                     |     |                  |
| Legend:             |     |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     |     |                  |
| Load Classification |     |                          | Connected Load |       | Demand Factor      |         | Estimated Demand |          | Panel Totals                     |                       |       |       |                     |     |                  |
| Lighting            |     |                          | 1972 VA        |       | 125.00%            |         | 2465 VA          |          |                                  |                       |       |       |                     |     |                  |
| HVAC                |     |                          | 17510 VA       |       | 100.00%            |         | 17510 VA         |          | Total Conn. Load: 57737 VA       |                       |       |       |                     |     |                  |
| Other               |     |                          | 135 VA         |       | 100.00%            |         | 135 VA           |          | Total Est. Demand: 44170 VA      |                       |       |       |                     |     |                  |
| Receptacle          |     |                          | 38120 VA       |       | 63.12%             |         | 24060 VA         |          | Total Conn. Current: 160 A       |                       |       |       |                     |     |                  |
|                     |     |                          |                |       |                    |         |                  |          | Total Est. Demand Current: 123 A |                       |       |       |                     |     |                  |
| Notes:              |     |                          |                |       |                    |         |                  |          |                                  |                       |       |       |                     |     |                  |

| Branch Panel: L1    |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |
|---------------------|-----|-----------------------------|----------------|-------|--------------------|----------|------------------|---------|----------------------------------|-----------------------|-------|------|------------------------------|-----|------------------|
| Location: ELEC. 160 |     |                             |                |       | Volts: 120/208 Wye |          |                  |         |                                  | A.I.C. Rating: 14,000 |       |      |                              |     |                  |
| Supply From: T1     |     |                             |                |       | Phases: 3          |          |                  |         |                                  | Mains Type: MLO       |       |      |                              |     |                  |
| Mounting: Surface   |     |                             |                |       | Wires: 4           |          |                  |         |                                  | Mains Rating: 600 A   |       |      |                              |     |                  |
| Enclosure: Type 1   |     |                             |                |       |                    |          |                  |         |                                  | MCB Rating:           |       |      |                              |     |                  |
| Notes:<br>NEW       |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |
| CKT<br>NOTE<br>S    | CKT | Circuit Description         | Trip           | Poles | A                  | B        | C                | A       | B                                | C                     | Poles | Trip | Circuit Description          | CKT | CKT<br>NOTE<br>S |
| --                  | 1   | ATS-2                       | 200 A          | 3     | 19829 VA           |          |                  | 720 VA  |                                  |                       | 1     | 20 A | RECEP 109                    | 2   |                  |
| --                  | 3   | --                          | --             | --    |                    | 19472... |                  |         | 900 VA                           |                       | 1     | 20 A | RECEP 110                    | 4   |                  |
| --                  | 5   | --                          | --             | --    |                    |          | 18437 VA         |         |                                  |                       | 1     | 20 A | RECEP 111                    | 6   |                  |
|                     | 7   | RECEP NW TV 157             | 20 A           | 1     | 360 VA             |          |                  | 1080 VA |                                  |                       | 1     | 20 A | RECEP 112                    | 8   |                  |
|                     | 9   | RECEP N WALL 157            | 20 A           | 1     |                    | 900 VA   |                  |         | 1080 VA                          |                       | 1     | 20 A | RECEP 115 WALLS              | 10  |                  |
|                     | 11  | RECEP N TV 157              | 20 A           | 1     |                    |          | 360 VA           |         |                                  | 1000 VA               | 1     | 20 A | RECEP 115 FRIDGE             | 12  |                  |
|                     | 13  | RECEP E WALL 157            | 20 A           | 1     | 720 VA             |          |                  | 1200 VA |                                  |                       | 1     | 20 A | RECEP 115 ICE MACHINE        | 14  |                  |
|                     | 15  | RECEP E WALL GFI 157        | 20 A           | 1     |                    | 1080 VA  |                  |         | 720 VA                           |                       | 1     | 20 A | RM 115 RECEP                 | 16  |                  |
|                     | 17  | RECEP S WALL 157            | 20 A           | 1     |                    |          | 900 VA           |         |                                  | 1200 VA               | 1     | 20 A | RM 115 LOW MICROWAVE         | 18  |                  |
|                     | 19  | RECEP SW TV 157             | 20 A           | 1     | 360 VA             |          |                  | 1200 VA |                                  |                       | 1     | 20 A | RM 115 HIGH MICROWAVE        | 20  |                  |
|                     | 21  | FLOOR RECEP MOST NORTH 157  | 20 A           | 1     |                    | 900 VA   |                  |         | 1080 VA                          |                       | 1     | 20 A | RECEP 113 114                | 22  |                  |
|                     | 23  | FLOOR RECEP NORTH 157       | 20 A           | 1     |                    |          | 900 VA           |         |                                  | 720 VA                | 1     | 20 A | RECEP TV 114 + TV 106        | 24  |                  |
|                     | 25  | FLOOR RECEP SOUTH 157       | 20 A           | 1     | 900 VA             |          |                  | 1080 VA |                                  |                       | 1     | 20 A | RECEP 117                    | 26  |                  |
|                     | 27  | FLOOR RECEP MOST SOUTH 157  | 20 A           | 1     |                    | 900 VA   |                  |         | 360 VA                           |                       | 1     | 20 A | RECEP 117B 118B 121 122      | 28  |                  |
|                     | 29  | RECEP 146 158 159           | 20 A           | 1     |                    |          | 360 VA           |         |                                  | 840 VA                | 1     | 20 A | RECEP 119 122 123 124        | 30  |                  |
|                     | 31  | RECEP 155 156               | 20 A           | 1     | 360 VA             |          |                  | 1080 VA |                                  |                       | 1     | 20 A | CORR RECEPS                  | 32  |                  |
|                     | 33  | RECEP DRINKING FOUNTAIN 154 | 20 A           | 1     |                    | 360 VA   |                  |         | 700 VA                           |                       | 1     | 20 A | RECEP DRINKING FOUNTAIN 106B | 34  | G                |
|                     | 35  | --                          | --             | --    |                    |          |                  |         | 1080 VA                          |                       | 1     | 20 A | RECEP 116                    | 36  |                  |
|                     | 37  | --                          | --             | --    |                    |          |                  | 720 VA  |                                  |                       | 1     | 20 A | RECEP TV 118 + TV 120        | 38  |                  |
|                     | 39  | RECEP 142 + N 154           | 20 A           | 1     |                    | 900 VA   |                  |         | 1080 VA                          |                       | 1     | 20 A | RECEP 120                    | 40  |                  |
|                     | 41  | RECEP 143 144 154           | 20 A           | 1     |                    |          | 900 VA           |         |                                  | 1100 VA               | 1     | 20 A | RM 115 GARBAGE DISPOSAL      | 42  |                  |
|                     | 43  | RECEP 145                   | 20 A           | 1     | 1260 VA            |          |                  |         |                                  |                       |       |      |                              | 44  |                  |
|                     | 45  | OPEN OFFICE 133 CUBES       | 20 A           | 1     |                    | 1200 VA  |                  |         |                                  |                       |       |      |                              | 46  |                  |
|                     | 47  | RECEP 140 141               | 20 A           | 1     |                    |          | 720 VA           |         |                                  | 720 VA                | 1     | 20 A | RECEP N + NW EXTERIOR        | 48  |                  |
|                     | 49  | RECEP 139                   | 20 A           | 1     | 1080 VA            |          |                  | 720 VA  |                                  |                       | 1     | 20 A | RECEP PH00 + SW EXTERIOR     | 50  |                  |
|                     | 51  | RECEP 135,136,137           | 20 A           | 1     |                    | 1080 VA  |                  |         |                                  |                       |       |      |                              | 52  |                  |
|                     | 53  | RECEP 135 136               | 20 A           | 1     |                    |          | 1080 VA          |         |                                  |                       |       |      |                              | 54  |                  |
|                     | 55  | RECEP 133                   | 20 A           | 1     | 1920 VA            |          |                  |         |                                  |                       |       |      |                              | 56  |                  |
|                     | 57  | RECEP 132                   | 20 A           | 1     |                    | 720 VA   |                  |         |                                  |                       |       |      |                              | 58  |                  |
|                     | 59  | RECEP 131                   | 20 A           | 1     |                    |          | 720 VA           |         |                                  |                       |       |      |                              | 60  |                  |
|                     | 61  | RECEP 130                   | 20 A           | 1     | 1080 VA            |          |                  |         |                                  |                       |       |      |                              | 62  |                  |
|                     | 63  | RECEP 129                   | 20 A           | 1     |                    | 900 VA   |                  |         |                                  |                       |       |      |                              | 64  |                  |
|                     | 65  | RECEP 128                   | 20 A           | 1     |                    |          | 720 VA           |         |                                  | 500 VA                | 1     | 20 A | DRIVE THRU WINDOW            | 66  |                  |
|                     | 67  | RECEP 103 127               | 20 A           | 1     | 1440 VA            |          |                  | 500 VA  |                                  |                       | 1     | 20 A | DRIVE THRU DRAWER            | 68  |                  |
|                     | 69  | EXTERIOR LOBBY RECEP        | 20 A           | 1     |                    | 360 VA   |                  |         | 1600 VA                          |                       | 1     | 20 A | OPEN OFFICE 133 CUBES        | 70  |                  |
|                     | 71  | VESTLOBBY RECEP             | 20 A           | 1     |                    |          | 1080 VA          |         |                                  | 1600 VA               | 1     | 20 A | OPEN OFFICE 133 CUBES        | 72  |                  |
|                     | 73  | --                          | --             | --    |                    |          |                  | 150 VA  |                                  |                       | 1     | 20 A | ACCESS CONTROL               | 74  |                  |
|                     | 75  | RM 109B RECEP               | 20 A           | 1     | 1260 VA            |          |                  |         | 500 VA                           |                       | 1     | 20 A | FACP                         | 76  |                  |
|                     | 77  | RECEP 105A SOUTH            | 20 A           | 1     |                    |          | 540 VA           |         |                                  | 500 VA                | 1     | 20 A | FAPS                         | 78  |                  |
|                     | 79  | Reception                   | 20 A           | 1     | 180 VA             |          |                  | 0 VA    |                                  |                       | 3     | 30 A | SPD                          | 80  |                  |
|                     | 81  | RECEP 107                   | --             | --    | --                 | 900 VA   |                  |         | 0 VA                             |                       | --    | --   | --                           | 82  | --               |
|                     | 83  | RECEP 108                   | 20 A           | 1     |                    |          | 720 VA           |         |                                  | 0 VA                  | --    | --   | --                           | 84  | --               |
|                     | 85  | WEST GATE HARDENED SWITCH   | 20 A           | 1     | 1000 VA            |          |                  | 720 VA  |                                  |                       | 1     | 20 A | FRONT DESK RECEP             | 86  |                  |
|                     | 87  | WEST GATE                   | 20 A           | 1     |                    | 900 VA   |                  |         | 800 VA                           |                       | 1     | 20 A | RECEPTION SIGN               | 88  |                  |
|                     | 89  | WEST GATE                   | 20 A           | 1     |                    |          | 900 VA           |         |                                  | 1080 VA               | 1     | 20 A | OPEN OFFICE WRK STATIONS     | 90  |                  |
|                     | 91  | RP-1                        | 20 A           | 1     | 250 VA             |          |                  | 1080 VA |                                  |                       | 1     | 20 A | OPEN OFFICE WRK STATIONS     | 92  |                  |
|                     | 93  | BP-1                        | 20 A           | 3     | 1359 VA            |          |                  |         | 1000 VA                          |                       | 1     | 20 A | OPEN OFFICE WRK STATIONS     | 94  |                  |
| --                  | 95  | --                          | --             | --    | --                 | 1359 VA  |                  |         |                                  | 2250 VA               | 2     | 50 A | RM 115 RANGE                 | 96  |                  |
| --                  | 97  | --                          | --             | --    | --                 | 1359 VA  |                  |         | 2250 VA                          |                       | --    | --   | --                           | 98  | --               |
|                     | 99  | EF-E                        | 20 A           | 1     |                    | 510 VA   |                  |         | 1100 VA                          |                       | 1     | 20 A | RM 115 DISHWASHER            | 100 |                  |
|                     | 101 | EF-F                        | 20 A           | 1     |                    |          | 510 VA           |         |                                  | 3000 VA               | 2     | 40 A | RM 115 COFFEE MACHINE        | 102 |                  |
|                     | 103 | EF-D                        | 20 A           | 1     | 510 VA             |          |                  | 3000 VA |                                  |                       | --    | --   | --                           | 104 | --               |
|                     | 105 | EF-B                        | 20 A           | 1     |                    | 510 VA   |                  |         | 180 VA                           |                       | 1     | 20 A | RM 118 FLOOR BOX             | 106 |                  |
|                     | 107 | EF-C                        | 20 A           | 1     |                    |          | 510 VA           |         |                                  |                       |       |      |                              | 108 |                  |
|                     | 109 | EF-L                        | 20 A           | 1     | 510 VA             |          |                  |         |                                  |                       |       |      |                              | 110 |                  |
|                     | 111 | EF-A                        | 20 A           | 1     |                    | 945 VA   |                  |         |                                  |                       |       |      |                              | 112 |                  |
|                     | 113 | EF-G                        | 20 A           | 1     |                    |          | 510 VA           |         |                                  |                       |       |      |                              | 114 |                  |
|                     | 115 | CU-A                        | 25 A           | 2     | 2226 VA            |          |                  |         |                                  |                       |       |      |                              | 116 |                  |
| --                  | 117 | --                          | --             | --    | --                 | 2226 VA  |                  |         |                                  |                       |       |      |                              | 118 |                  |
|                     | 119 | SITE LIGHTING CAMERA        | 20 A           | 1     |                    |          | 0 VA             |         |                                  |                       |       |      |                              | 120 |                  |
|                     | 121 | SITE LIGHTING CAMERA        | 20 A           | 1     | 0 VA               |          |                  |         |                                  |                       |       |      |                              | 122 |                  |
|                     | 123 | SITE LIGHTING CAMERA        | 20 A           | 1     |                    | 0 VA     |                  |         |                                  |                       |       |      |                              | 124 |                  |
|                     | 125 | SITE LIGHTING CAMERA        | 20 A           | 1     |                    |          | 0 VA             |         |                                  |                       |       |      |                              | 126 |                  |
|                     | 127 | RECEP 138                   | 20 A           | 1     | 1080 VA            |          |                  |         |                                  |                       |       |      |                              | 128 |                  |
|                     | 129 | RECEP 140,141               | 20 A           | 1     |                    | 1080 VA  |                  |         |                                  |                       |       |      |                              | 130 |                  |
|                     | 131 | OPEN OFFICE 133 CUBES       | 20 A           | 1     |                    |          | 1200 VA          |         |                                  |                       |       |      |                              | 132 |                  |
|                     | 133 | OPEN OFFICE 133 PLOTTER     | 20 A           | 1     | 180 VA             |          |                  |         |                                  |                       |       |      |                              | 134 |                  |
|                     | 135 | OPEN OFFICE 133 PRINTER     | 20 A           | 1     |                    | 1200 VA  |                  |         |                                  |                       |       |      |                              | 136 |                  |
|                     | 137 | RECEP, FLUSH VALVES RM 102  | 20 A           | 1     |                    |          | 180 VA           |         |                                  |                       |       |      |                              | 138 |                  |
|                     | 139 | VEST 100 POWERED DOORS      | 20 A           | 1     | 900 VA             |          |                  |         |                                  |                       |       |      |                              | 140 |                  |
|                     | 141 | VEST 100 POWERED DOORS      | 20 A           | 1     |                    | 900 VA   |                  |         |                                  |                       |       |      |                              | 142 |                  |
|                     | 143 | NIGHT DROP SAFE             | 20 A           | 1     |                    |          | 0 VA             |         |                                  |                       |       |      |                              | 144 |                  |
|                     |     |                             | Total Load:    |       | 53004 VA           |          | 51662 VA         |         | 48916 VA                         |                       |       |      |                              |     |                  |
|                     |     |                             | Total Amps:    |       | 445 A              |          | 434 A            |         | 408 A                            |                       |       |      |                              |     |                  |
| Legend:             |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |
|                     |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |
| Load Classification |     |                             | Connected Load |       | Demand Factor      |          | Estimated Demand |         | Panel Totals                     |                       |       |      |                              |     |                  |
| Lighting            |     |                             | 1972 VA        |       | 125.00%            |          | 2465 VA          |         |                                  |                       |       |      |                              |     |                  |
| Motor               |     |                             | 4327 VA        |       | 100.00%            |          | 4327 VA          |         | Total Conn. Load: 153581 VA      |                       |       |      |                              |     |                  |
| HVAC                |     |                             | 26477 VA       |       | 100.00%            |          | 26477 VA         |         | Total Est. Demand: 98739 VA      |                       |       |      |                              |     |                  |
| Other               |     |                             | 135 VA         |       | 100.00%            |          | 135 VA           |         | Total Conn. Current: 426 A       |                       |       |      |                              |     |                  |
| Receptacle          |     |                             | 120670 VA      |       | 54.14%             |          | 65335 VA         |         | Total Est. Demand Current: 274 A |                       |       |      |                              |     |                  |
|                     |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |
| Notes:              |     |                             |                |       |                    |          |                  |         |                                  |                       |       |      |                              |     |                  |



| Branch Panel: S2          |     |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     |     |                  |    |
|---------------------------|-----|---------------------|----------------|-------|--------------------|---------|------------------|------|----------------------------------|-----------------------|-------|------|---------------------|-----|------------------|----|
| Location: SERVER ROOM 149 |     |                     |                |       | Volts: 120/208 Wye |         |                  |      |                                  | A.I.C. Rating: 14,000 |       |      |                     |     |                  |    |
| Supply From: ATS-2B       |     |                     |                |       | Phases: 3          |         |                  |      |                                  | Mains Type: MCB       |       |      |                     |     |                  |    |
| Mounting: Surface         |     |                     |                |       | Wires: 4           |         |                  |      |                                  | Mains Rating: 225 A   |       |      |                     |     |                  |    |
| Enclosure: Type 1         |     |                     |                |       | MCB Rating: 200 A  |         |                  |      |                                  |                       |       |      |                     |     |                  |    |
| Notes:<br>NEW             |     |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     |     |                  |    |
| CKT<br>NOTE<br>S          | CKT | Circuit Description | Trip           | Poles | A                  | B       | C                | A    | B                                | C                     | Poles | Trip | Circuit Description | CKT | CKT<br>NOTE<br>S |    |
|                           | 1   | UPS-2               | 175 A          | 3     | 12360 VA           |         |                  |      |                                  |                       |       |      |                     | 2   |                  |    |
| --                        | 3   | --                  | --             | --    |                    | 11520   |                  |      |                                  |                       |       |      |                     | 4   |                  |    |
| --                        | 5   | --                  | --             | --    |                    |         | 10360 VA         |      |                                  |                       |       |      |                     | 6   |                  |    |
| --                        | 7   | CRAC-2              | 80 A           | 3     | 5152 VA            |         |                  |      |                                  |                       |       |      |                     | 8   |                  |    |
| --                        | 9   | --                  | --             | --    |                    | 5152 VA |                  |      |                                  |                       |       |      |                     | 10  |                  |    |
| --                        | 11  | --                  | --             | --    |                    |         | 5152 VA          |      |                                  |                       |       |      |                     | 12  |                  |    |
| --                        | 13  | ACC-2               | 15 A           | 3     | 685 VA             |         |                  |      |                                  |                       |       |      |                     | 14  |                  |    |
| --                        | 15  | --                  | --             | --    |                    | 685 VA  |                  |      |                                  |                       |       |      |                     | 16  |                  |    |
| --                        | 17  | --                  | --             | --    |                    |         | 685 VA           |      |                                  |                       |       |      |                     | 18  |                  |    |
| --                        | 19  | RTU-2               | 70 A           | 3     | 5788 VA            |         |                  |      |                                  |                       |       |      |                     | 20  |                  |    |
| --                        | 21  | --                  | --             | --    |                    | 5788 VA |                  |      |                                  |                       |       |      |                     | 22  |                  |    |
| --                        | 23  | --                  | --             | --    |                    |         | 5788 VA          |      |                                  |                       |       |      |                     | 24  |                  |    |
| --                        | 25  | CORR/STOR RECEP     | 20 A           | 1     | 720 VA             |         |                  |      |                                  |                       |       |      |                     | 26  |                  |    |
| --                        | 27  | COFFEE MACHINE      | 40 A           | 2     |                    | 3000 VA |                  |      |                                  |                       |       |      |                     | 28  |                  |    |
| --                        | 29  | --                  | --             | --    |                    |         | 3000 VA          |      |                                  |                       |       |      |                     | 30  |                  |    |
| --                        | 31  | KITCHENETTE RECEP   | 20 A           | 1     | 540 VA             |         |                  |      |                                  |                       |       |      |                     | 32  |                  |    |
| --                        | 33  | GARBAGE DISPOSAL    | 20 A           | 1     |                    | 1100 VA |                  |      |                                  |                       |       |      |                     | 34  |                  |    |
| --                        | 35  | LOW MICROWAVE       | 20 A           | 1     |                    |         | 180 VA           |      |                                  |                       |       |      |                     | 36  |                  |    |
| --                        | 37  | HIGH MICROWAVE      | 20 A           | 1     | 1200 VA            |         |                  |      |                                  |                       |       |      |                     | 38  |                  |    |
| --                        | 39  | FRIDGE              | 20 A           | 1     |                    | 180 VA  |                  |      |                                  |                       |       |      |                     | 40  |                  |    |
| --                        | 41  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 42  |                  |    |
| --                        | 43  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 44  |                  |    |
| --                        | 45  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 46  |                  |    |
| --                        | 47  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 48  |                  |    |
| --                        | 49  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 50  |                  |    |
| --                        | 51  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 52  |                  |    |
| --                        | 53  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 54  |                  |    |
| --                        | 55  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 56  |                  |    |
| --                        | 57  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 58  |                  |    |
| --                        | 59  |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     | 60  |                  |    |
| --                        | 61  |                     |                |       |                    |         |                  | 0 VA |                                  |                       |       | 3    | 3 A                 | SPD | 62               |    |
| --                        | 63  |                     |                |       |                    |         |                  |      | 0 VA                             |                       |       | --   | --                  | --  | 64               | -- |
| --                        | 65  |                     |                |       |                    |         |                  |      |                                  | 0 VA                  | --    | --   | --                  | --  | 66               | -- |
| Total Load:               |     |                     |                |       | 28445 VA           |         | 27425 VA         |      |                                  | 25165 VA              |       |      |                     |     |                  |    |
| Total Amps:               |     |                     |                |       | 222 A              |         | 230 A            |      |                                  | 210 A                 |       |      |                     |     |                  |    |
| Legend:                   |     |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     |     |                  |    |
| Load Classification       |     |                     | Connected Load |       | Demand Factor      |         | Estimated Demand |      | Panel Totals                     |                       |       |      |                     |     |                  |    |
| HVAC                      |     |                     | 34874 VA       |       | 100.00%            |         | 34874 VA         |      | Total Conn. Load: 79034 VA       |                       |       |      |                     |     |                  |    |
| Receptacle                |     |                     | 44160 VA       |       | 61.32%             |         | 27080 VA         |      | Total Est. Demand: 61954 VA      |                       |       |      |                     |     |                  |    |
|                           |     |                     |                |       |                    |         |                  |      | Total Conn. Current: 219 A       |                       |       |      |                     |     |                  |    |
|                           |     |                     |                |       |                    |         |                  |      | Total Est. Demand Current: 172 A |                       |       |      |                     |     |                  |    |
| Notes:                    |     |                     |                |       |                    |         |                  |      |                                  |                       |       |      |                     |     |                  |    |

| Branch Panel: U2          |     |                      |                |       |                    |         |                  |   |                                 |                     |       |      |                     |     |                  |  |
|---------------------------|-----|----------------------|----------------|-------|--------------------|---------|------------------|---|---------------------------------|---------------------|-------|------|---------------------|-----|------------------|--|
| Location: SERVER ROOM 149 |     |                      |                |       | Volts: 120/208 Wye |         |                  |   |                                 | A.I.C. Rating:      |       |      |                     |     |                  |  |
| Supply From: UPS-2        |     |                      |                |       | Phases: 3          |         |                  |   |                                 | Mains Type: MCB     |       |      |                     |     |                  |  |
| Mounting: Surface         |     |                      |                |       | Wires: 4           |         |                  |   |                                 | Mains Rating: 225 A |       |      |                     |     |                  |  |
| Enclosure: Type 1         |     |                      |                |       | MCB Rating:        |         |                  |   |                                 |                     |       |      |                     |     |                  |  |
| Notes:                    |     |                      |                |       |                    |         |                  |   |                                 |                     |       |      |                     |     |                  |  |
| CKT<br>NOTE<br>S          | CKT | Circuit Description  | Trip           | Poles | A                  | B       | C                | A | B                               | C                   | Poles | Trip | Circuit Description | CKT | CKT<br>NOTE<br>S |  |
|                           | 1   | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 2   |                  |  |
| --                        | 3   | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                     |       |      |                     | 4   |                  |  |
|                           | 5   | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                     |       |      |                     | 6   |                  |  |
| --                        | 7   | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 8   |                  |  |
|                           | 9   | IT RACK              | 30 A           | 2     |                    | 2000 VA |                  |   |                                 |                     |       |      |                     | 10  |                  |  |
| --                        | 11  | --                   | --             | --    |                    |         | 2000 VA          |   |                                 |                     |       |      |                     | 12  |                  |  |
|                           | 13  | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 14  |                  |  |
| --                        | 15  | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                     |       |      |                     | 16  |                  |  |
|                           | 17  | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                     |       |      |                     | 18  |                  |  |
| --                        | 19  | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 20  |                  |  |
|                           | 21  | IT RACK              | 30 A           | 2     |                    | 2000 VA |                  |   |                                 |                     |       |      |                     | 22  |                  |  |
| --                        | 23  | --                   | --             | --    |                    |         | 2000 VA          |   |                                 |                     |       |      |                     | 24  |                  |  |
|                           | 25  | IT RACK              | 30 A           | 2     | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 26  |                  |  |
| --                        | 27  | --                   | --             | --    |                    | 2000 VA |                  |   |                                 |                     |       |      |                     | 28  |                  |  |
|                           | 29  | IT RACK              | 30 A           | 2     |                    |         | 2000 VA          |   |                                 |                     |       |      |                     | 30  |                  |  |
| --                        | 31  | --                   | --             | --    | 2000 VA            |         |                  |   |                                 |                     |       |      |                     | 32  |                  |  |
|                           | 33  | RECEP 147 + N 149    | 20 A           | 1     |                    | 720 VA  |                  |   |                                 |                     |       |      |                     | 34  |                  |  |
|                           | 35  | RECEP 151 TELEVISION | 20 A           | 1     |                    |         | 360 VA           |   |                                 |                     |       |      |                     | 36  |                  |  |
|                           | 37  | RECEP 151 TELEVISION | 20 A           | 1     | 360 VA             |         |                  |   |                                 |                     |       |      |                     | 38  |                  |  |
|                           | 39  | RECEP 151 FLOORBOX   | 20 A           | 1     |                    | 800 VA  |                  |   |                                 |                     |       |      |                     | 40  |                  |  |
|                           | 41  |                      |                |       |                    |         |                  |   |                                 |                     |       |      |                     | 42  |                  |  |
| Total Load:               |     |                      |                |       | 12360 VA           |         | 11520 VA         |   |                                 | 10360 VA            |       |      |                     |     |                  |  |
| Total Amps:               |     |                      |                |       | 104 A              |         | 97 A             |   |                                 | 86 A                |       |      |                     |     |                  |  |
| Legend:                   |     |                      |                |       |                    |         |                  |   |                                 |                     |       |      |                     |     |                  |  |
| Load Classification       |     |                      | Connected Load |       | Demand Factor      |         | Estimated Demand |   | Panel Totals                    |                     |       |      |                     |     |                  |  |
| Receptacle                |     |                      | 34240 VA       |       | 64.60%             |         | 22120 VA         |   | Total Conn. Load: 34240 VA      |                     |       |      |                     |     |                  |  |
|                           |     |                      |                |       |                    |         |                  |   | Total Est. Demand: 22120 VA     |                     |       |      |                     |     |                  |  |
|                           |     |                      |                |       |                    |         |                  |   | Total Conn. Current: 95 A       |                     |       |      |                     |     |                  |  |
|                           |     |                      |                |       |                    |         |                  |   | Total Est. Demand Current: 61 A |                     |       |      |                     |     |                  |  |
| Notes:                    |     |                      |                |       |                    |         |                  |   |                                 |                     |       |      |                     |     |                  |  |

ELECTRICAL PANEL SCHEDULE GENERAL NOTES:

- VERIFY AND COORDINATE ALL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT INCLUDING BREAKER AND FEEDER SIZES WITH APPLICABLE TRADES PRIOR TO ORDERING.
- AIC RATINGS INDICATED ARE THE MINIMUM PERMISSIBLE TO MAINTAIN A FULLY RATED SYSTEM.
- PROVIDE FINAL ACCURATE PANEL SCHEDULES IN EACH PANEL AND SCHEDULES WITH AS BUILT DOCUMENTATION.

ELECTRICAL PANEL SCHEDULE GENERAL NOTES:

- G - PROVIDE GFCI BREAKER
- SH - PROVIDE SHUNT TRIP BREAKER
- EX - EXISTING LOAD TO REMAIN
- 1 - EXISTING LOAD DEMOLISHED, REUSE EXISTING CIRCUIT BREAKER FOR NEW LOAD
- 2 - EXISTING SPACE, PROVIDE NEW BREAKER AS INDICATED
- 3 - EXISTING LOAD AND CIRCUIT BREAKER DEMOLISHED, PROVIDE NEW BREAKER AS INDICATED.

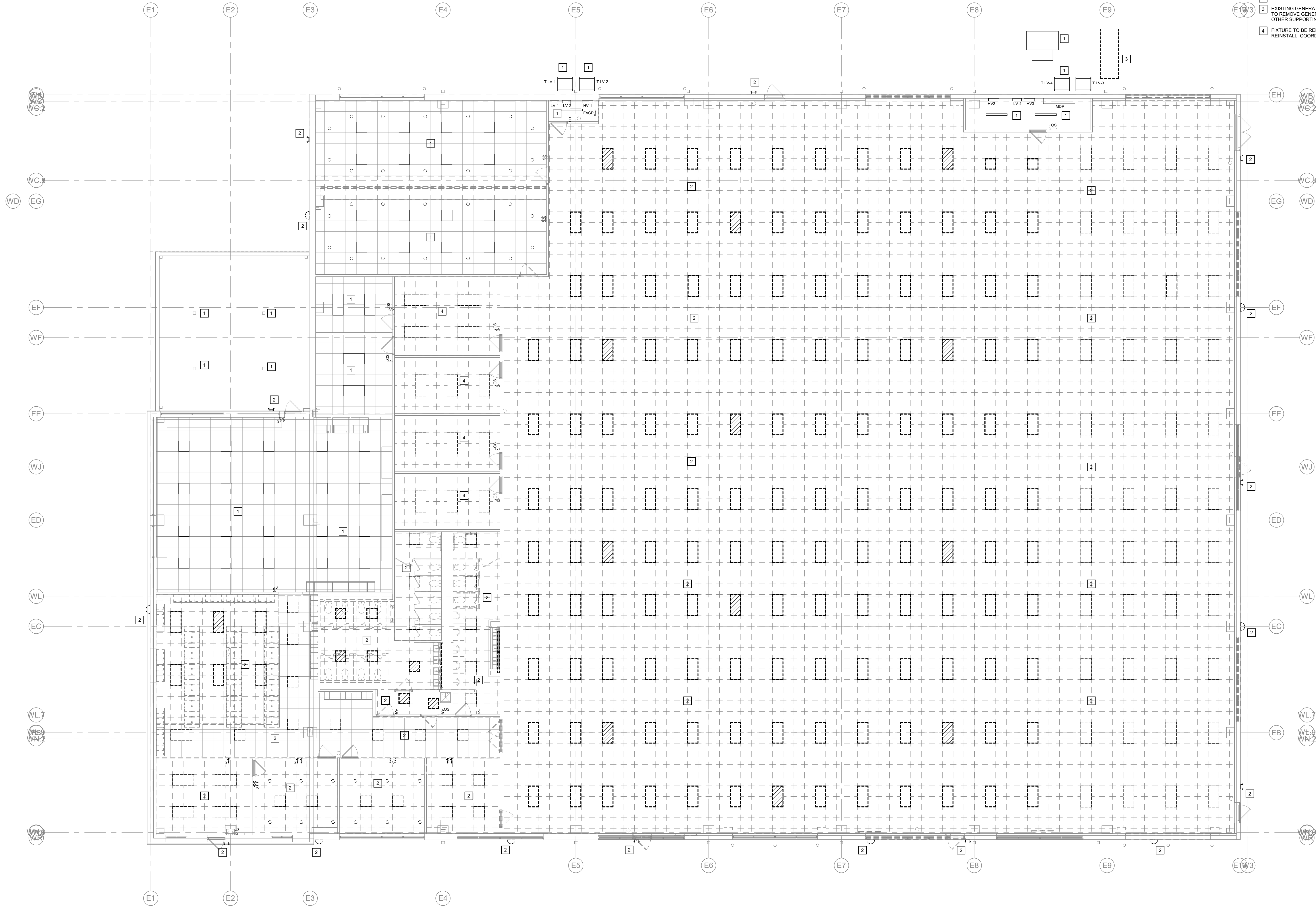


ELECTRICAL DEMOLITION GENERAL NOTES:

1. REFER TO SHEET E0.X FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES INCLUDING GENERAL DEMOLITION NOTES.
2. EXISTING FIXTURES & DEVICES TO REMAIN ARE INDICATED WITH THIN SOLID LINES. DARK DASHED LINES INDICATE FIXTURES/DEVICES THAT ARE INTENDED TO BE DEMOLISHED.
3. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. INFORMATION ON THIS SHEET IS COMPILED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS AND SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF ALL EQUIPMENT AND DEVICES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.

ELECTRICAL KEYED NOTES:

- 1 EXISTING TO REMAIN, U.N.O.
- 2 DEMO EXISTING FIXTURE, SWITCH, SUPPORTS, AND MAINTAIN CIRCUITRY FOR REUSE.
- 3 EXISTING GENERATOR SHALL BE DISCONNECTED, EC SHALL COORDINATE WITH OWNER TO REMOVE GENERATOR, DEMOLISH EXISTING PAD, CONDUCTORS, CONDUITS, AND OTHER SUPPORTING DEVICES THAT REMAIN FROM THE ASSOCIATED GENERATOR.
- 4 FIXTURE TO BE REMOVED AND PROTECTED DURING DEMOLITION. CLEAN AND REINSTALL. COORDINATE WITH ARCHITECT. REFER TO E1.1.



ELECTRICAL FLOOR LIGHTING DEMOLITION PLAN - OPERATIONS  
SCALE: 1/8" = 1'-0"  
NORTH

OPERATIONS

KEY PLAN

M+H  
ARCHITECTS

ARCHITECT:  
Mitchell and Hugesback Architects, Inc.  
D.B.A. M+H Architects  
12747 Olive Blvd., Suite 150  
St. Louis, MO 63141  
314-878-3500  
www.mha.us.com

CONSULTANT:  
SSC Engineering, Inc.

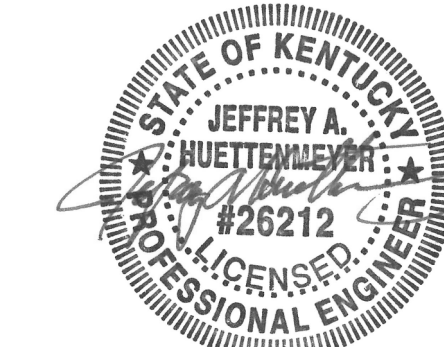
Michael K. Swim Consulting Engineer, Inc.  
D.B.A. SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
636-530-7770  
Corporate License No.: 001244

COOPERATIVE  
BUILDING SOLUTIONS

TAYLOR COUNTY RECC  
685 WATER TOWER BYPASS  
CAMBELLSVILLE, KY 42718

RECC  
A Taylor County Company

JEFFREY A. HUETTENMEYER  
Professional Engineer  
KY LCE#: 26212  
EXP: 06/30/2027



08/20/2026  
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08/20/2026

Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

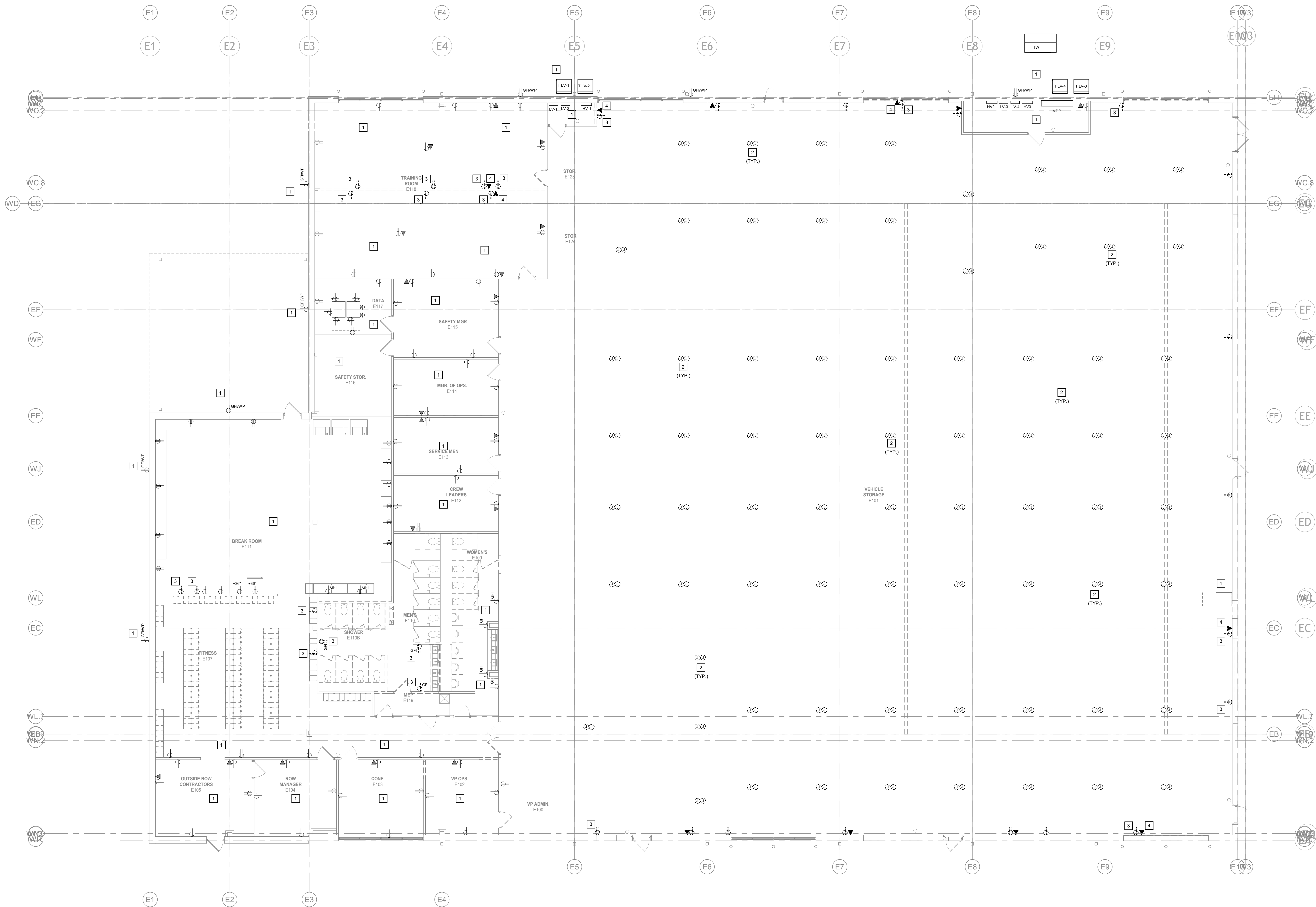
Drawing Title:

ELECTRICAL DEMO  
LIGHTING PLAN -  
OPERATIONS

ED1.1

SSC JOB# 2025456





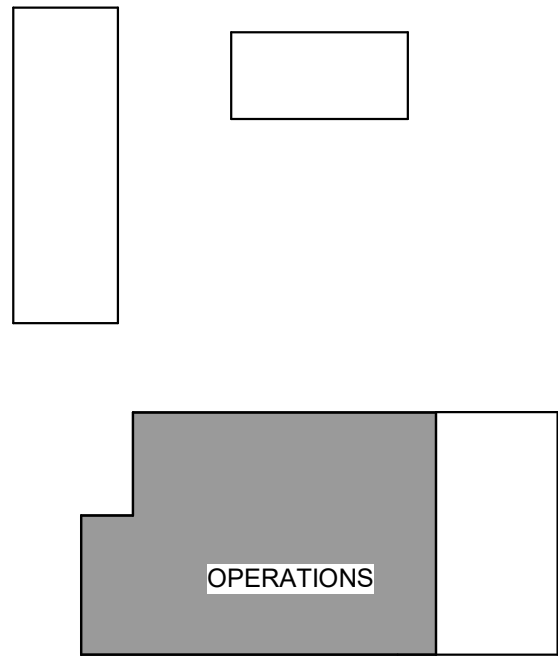
**ELECTRICAL POWER AND DATA DEMO PLAN - OPERATIONS**  
SCALE: 1/8" = 1'-0"  
NORTH

**ELECTRICAL DEMOLITION GENERAL NOTES:**

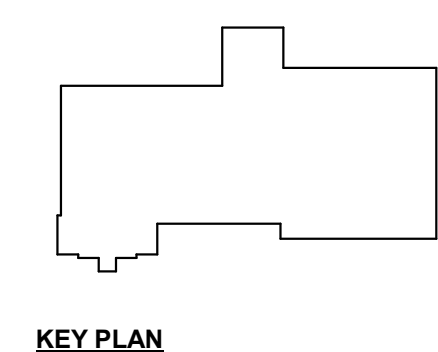
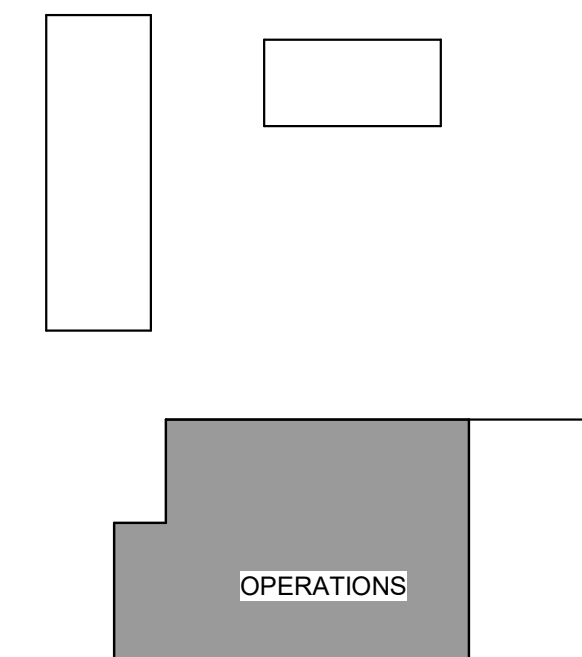
1. REFER TO SHEET ED 1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES INCLUDING GENERAL DEMOLITION NOTES.
2. EXISTING FIXTURES & DEVICES TO REMAIN ARE INDICATED WITH THIN SOLID LINES; DARK DASHED LINES INDICATE FIXTURES/DEVICES THAT ARE INTENDED TO BE DEMOLISHED.
3. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. INFORMATION ON THIS SHEET IS COMPILED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS AND SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF ALL EQUIPMENT AND DEVICES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.

**ELECTRICAL KEYED NOTES:**

- 1 EXISTING TO REMAIN U N O
- 2 EXISTING POWER POLE TO BE DEMOLISHED BACK TO SOURCE.
- 3 DEMOLISH RECEPTACLE, CONDUIT, SUPPORTS, AND WIRING BACK TO SOURCE OR NEXT EXISTING TO REMAIN RECEPTACLE. IF OTHER DEVICES ARE CONNECTED TO CIRCUIT, MODIFY CIRCUIT SO THAT EXISTING TO REMAIN DEVICES REMAIN OPERATIONAL.
- 4 DEMOLISH DATA DEVICE, CONDUIT, SUPPORTS, AND CABLING BACK TO SOURCE.







### KEY PLAN

 **ELECTRICAL EQUIPMENT DEMOLITION PLAN - VEHICLE STORAGE**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL DEMOLITION GENERAL NOTES:**

1. REFERENCE TO SHEET ED.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES INCLUDING GENERAL DEMOLITION NOTES.
2. EXISTING FIXTURES & DEVICES TO REMAIN ARE INDICATED WITH THIN SOLD LINES; DARK DASHED LINES INDICATE FIXTURES/DEVICES THAT ARE INTENDED TO BE DEMOLISHED.
3. MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DURING THE WORK, ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. INFORMATION ON THIS SHEET IS COMPILED FROM EXISTING DRAWINGS AND CASUAL FIELD SURVEY. CONTRACTOR SHALL BE CONSIDERED APPROPRIATELY VERIFYING ALL FIELD EQUIPMENT AND DEVICES; EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.

**ELECTRICAL KEYED NOTES:**

- 1 EXISTING TO REMAIN.
- 2 DEMOLISH POWER TO UNIT BACK TO SOURCE. MAKE UNIT SAFE FOR REMOVAL BY OTHERS.



ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR LIGHTING CONTROL SCHEMATIC.
3. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR SEISMIC SUPPORTS OF LIGHTING FIXTURES.
4. SUSPENDED CEILING SYSTEMS ARE DESIGNED TO SUPPORT THE WEIGHT OF ALL LIGHTING FIXTURES. THE STRUCTURAL FRAMING SHALL SUPPORT ALL CONDUITS, JUNCTION BOXES, ETC ABOVE CEILINGS.
5. EMERGENCY LIGHTING SHALL BE SWITCHED AND NOT BE USED AS A NIGHT LIGHT. CONNECT EMERGENCY BALLAST VOLTAGE SENSING LEADS AHEAD OF SWITCH LEG OR OTHER CONTROL DEVICE.

ELECTRICAL KEYED NOTES:

1. CONTROL LIGHTING BY PHOTOCELL PER DETAIL 27/E0.7.
2. CONTROL LIGHTING BY PHOTOCELL PER DETAIL 27/E0.7. PROVIDE UNSWITCHED VOLTAGE SENSING LEADS FROM SAME BRANCH CIRCUIT TO BATTERY BALLAST.
3. PROVIDE LIGHTING CONTROL VIA CEILING MOUNTED OCCUPANCY/VACANCY SENSOR WITH LOCAL SWITCH "ON" OVERRIDE. REFER TO LIGHTING CONTROL DETAIL 25/E0.7.
4. EXISTING TO REMAIN, U.N.O.
5. APPROXIMATE LOCATION OF DUCT WORK, AVOID DUCT WORK TO GREATEST EXTENT POSSIBLE.
6. MOUNT FIXTURE UNDER PEMB BEAM, OR SO THAT FIXTURE IS NOT OBSTRUCTED BY BEAM OR OVERHEAD DOOR.
7. CONNECT NEW FIXTURE TO EXISTING CIRCUIT FEEDING LIGHTING IN THIS AREA. PROVIDE NEW SWITCHING AS INDICATED. EC TO VERIFY THE EXISTING CIRCUIT IS NOT OVERLOADED AND ALL EXISTING TO REMAIN SPACES OPERATE THE SAME PRIOR TO RENOVATION.
8. PROVIDE NEW FIXTURE AS INDICATED. REUSE EXISTING BACK BOX, CIRCUITRY, AND SWITCHING. PROVIDE UNSWITCHED VOLTAGE SENSING LEADS FROM SAME BRANCH CIRCUIT TO BATTERY BALLAST.
9. REFER TO SHEET E2.1 FOR EXACT LOCATION OF PANELS.
10. REINSTALL EXISTING FIXTURE IN NEW CEILING. COORDINATE WITH ARCHITECTURAL DRAWINGS. REFER TO E01.1.
11. PROVIDE NEW FIXTURE AS INDICATED. CONNECT TO EXISTING CIRCUIT FEEDING AREA. PROVIDE NEW SWITCHING AS INDICATED.

ELECTRICAL LIGHTING PLAN - OPERATIONS  
SCALE: 1/8" = 1'-0"  
NORTH

KEY PLAN

SSC JOB# 2025456



## ARCHITECT:

Mitchell and Hugelback Architects, Inc.  
D.B.A. M+H Architects  
12747 Olive Blvd., Suite 150  
St. Louis, MO 63141  
314-878-3500  
www.mha.us.com

## CONSULTANT:

## SSC Engineering, Inc.

Michael K. Swim Consulting Engineer, Inc.  
D.B.A. SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
636-530-7770  
Corporate License No.: 001244



## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS

CAMBELLSVILLE, KY 42718



JEFFREY A. HUETTENMEYER

Professional Engineer  
KY LIC# 26212  
EXP: 06/30/2027

08/20/2026

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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL LIGHTING  
PLAN - WAREHOUSE

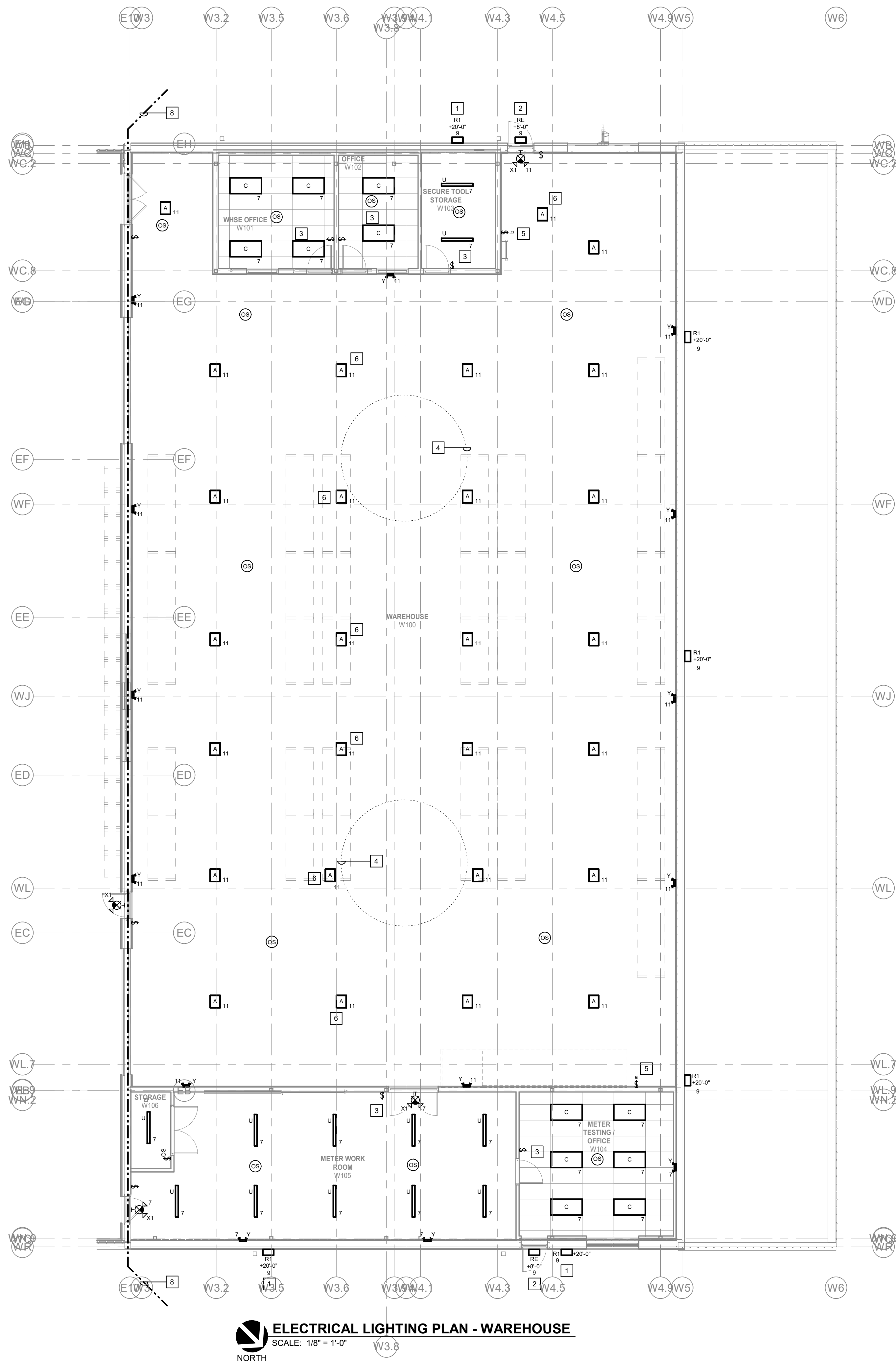
E1.2

## ELECTRICAL GENERAL NOTES:

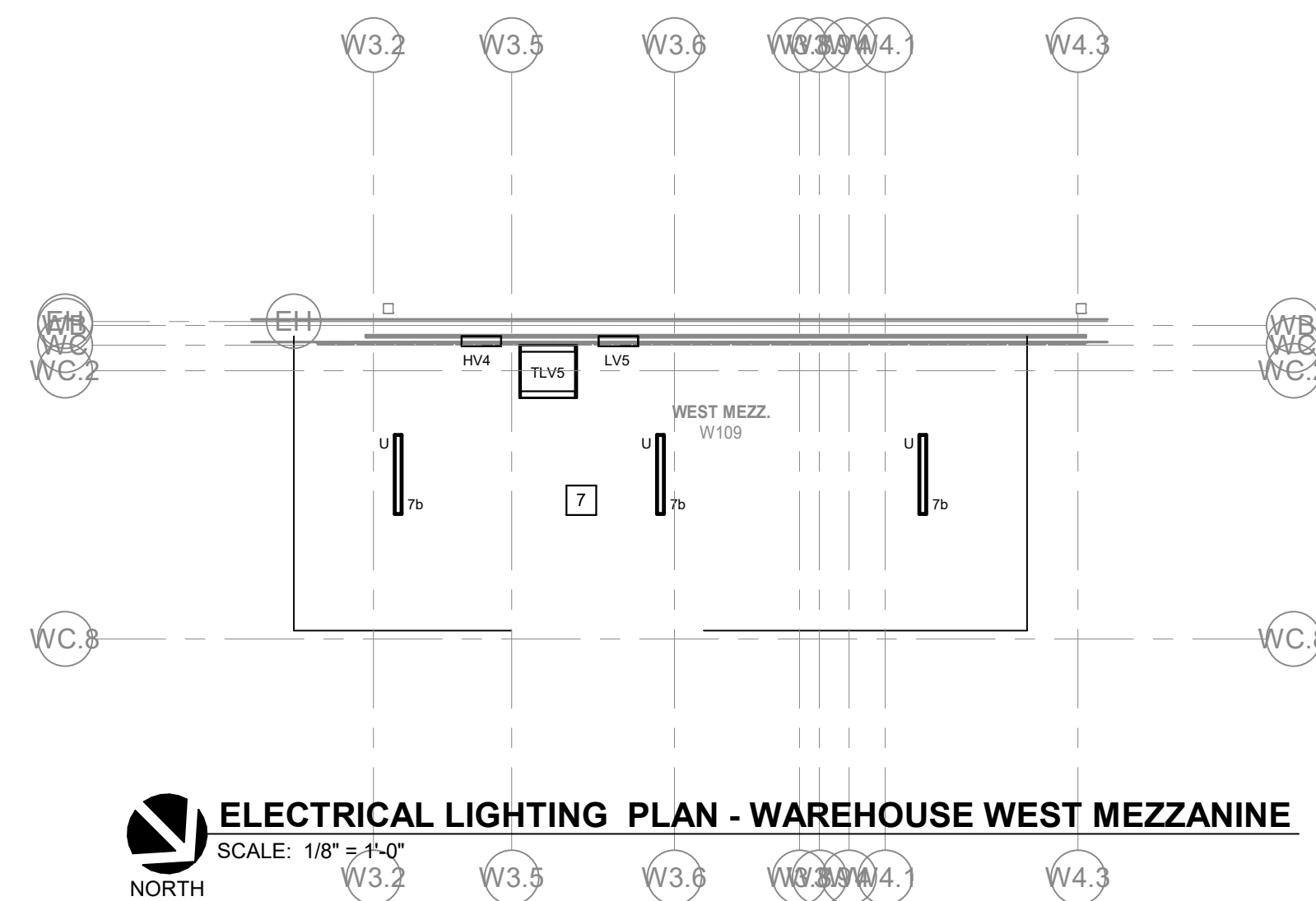
1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR LIGHTING CONTROL SCHEMATIC.
3. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR SEISMIC SUPPORTS OF LIGHTING FIXTURES.
4. SUSPENDED CEILING SYSTEMS ARE DESIGNED TO SUPPORT THE WEIGHT OF ALL LIGHTING FIXTURES. THE STRUCTURAL FRAMING SHALL SUPPORT ALL CONDUITS, JUNCTION BOXES, ETC ABOVE CEILINGS.
5. EMERGENCY LIGHTING SHALL BE SWITCHED AND NOT BE USED AS A NIGHT LIGHT. CONNECT EMERGENCY BALLAST VOLTAGE SENSING LEADS AHEAD OF SWITCH LEG OR OTHER CONTROL DEVICE.
6. ALL LIGHTING CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL HV4, U.N.O.

## ELECTRICAL KEYED NOTES:

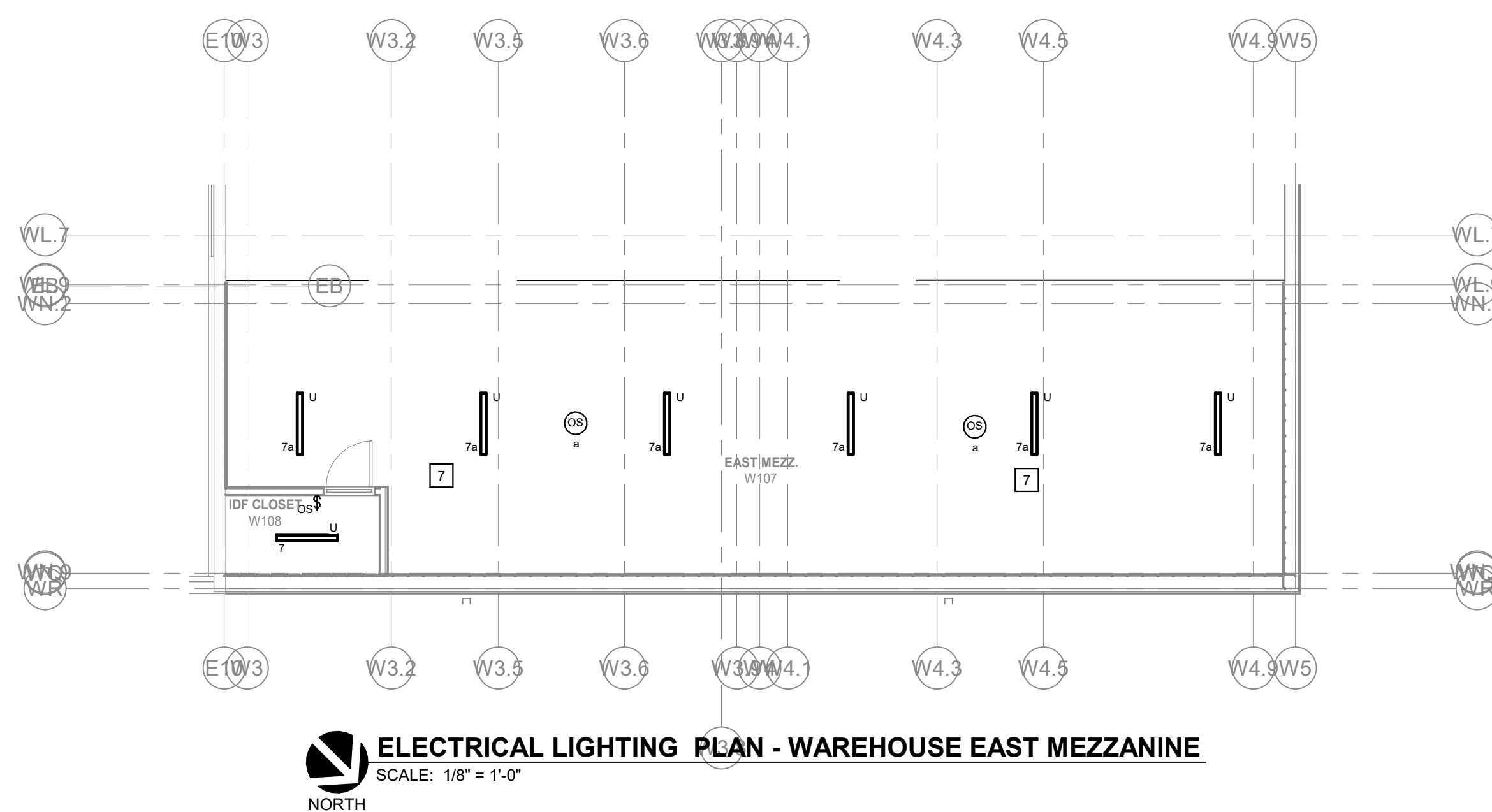
1. CONTROL LIGHTING WITH PHOTOCELL PER DETAIL 27E0.7.
2. CONTROL LIGHTING WITH PHOTOCELL PER DETAIL 27E0.7. PROVIDE UNSWITCHED VOLTAGE SENSING LEADS FROM SAME BRANCH CIRCUIT TO BATTERY BALLAST.
3. PROVIDE LIGHTING CONTROL VIA CEILING MOUNTED OCCUPANCY/VACANCY SENSOR WITH LOCAL SWITCH "OFF". OVERRIDE. REFER TO LIGHTING CONTROL DETAIL 25E0.7.
4. MAINTAIN 2" CLEARANCE BETWEEN LIGHTING FIXTURE AND TIPS OF FAN BLADES.
5. PROVIDE SWITCH FOR OFF OVERRIDE CONTROL OF LIGHTING ON MEZZANINE.
6. MOUNT FIXTURE UNDER PEMB BEAM SO THAT FIXTURE IS NOT OBSTRUCTED BY BEAM OR OVERHEAD DOOR.
7. SUSPEND FIXTURES IN THIS ROOM AT 18" BELOW STRUCTURE.
8. EXPANSION JOINT. PROVIDE EXPANSION DEFLECTION FITTING OR OTHER MEANS TO ACCOMMODATE 2" DISPLACEMENT WHERE CONDUITS CROSS JOINT.



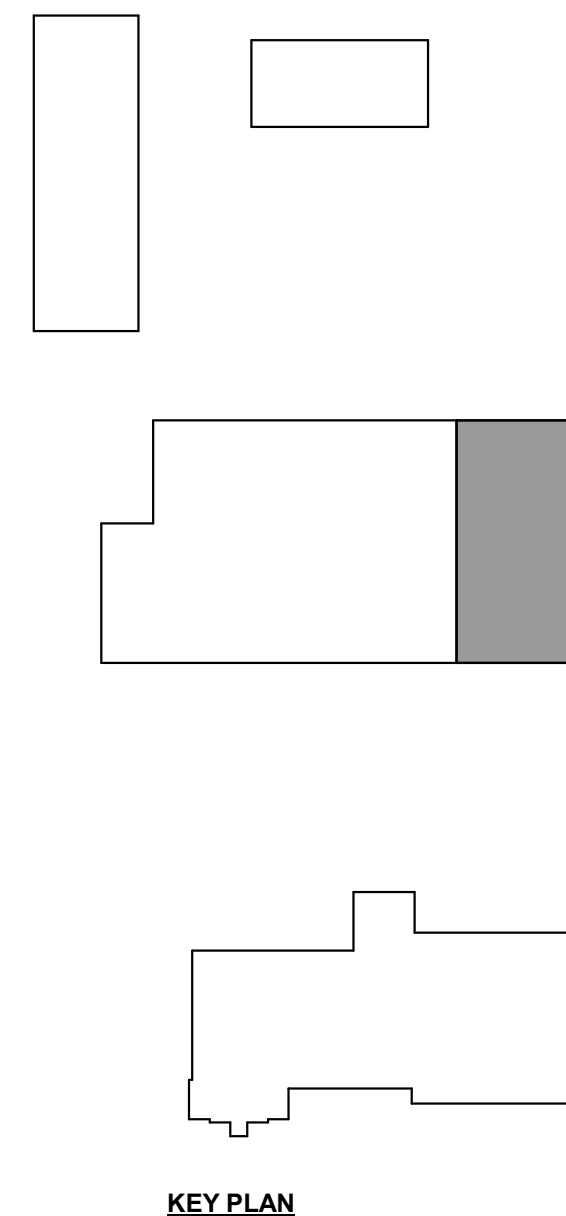
**ELECTRICAL LIGHTING PLAN - WAREHOUSE**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL LIGHTING PLAN - WAREHOUSE WEST MEZZANINE**  
SCALE: 1/8" = 1'-0"  
NORTH



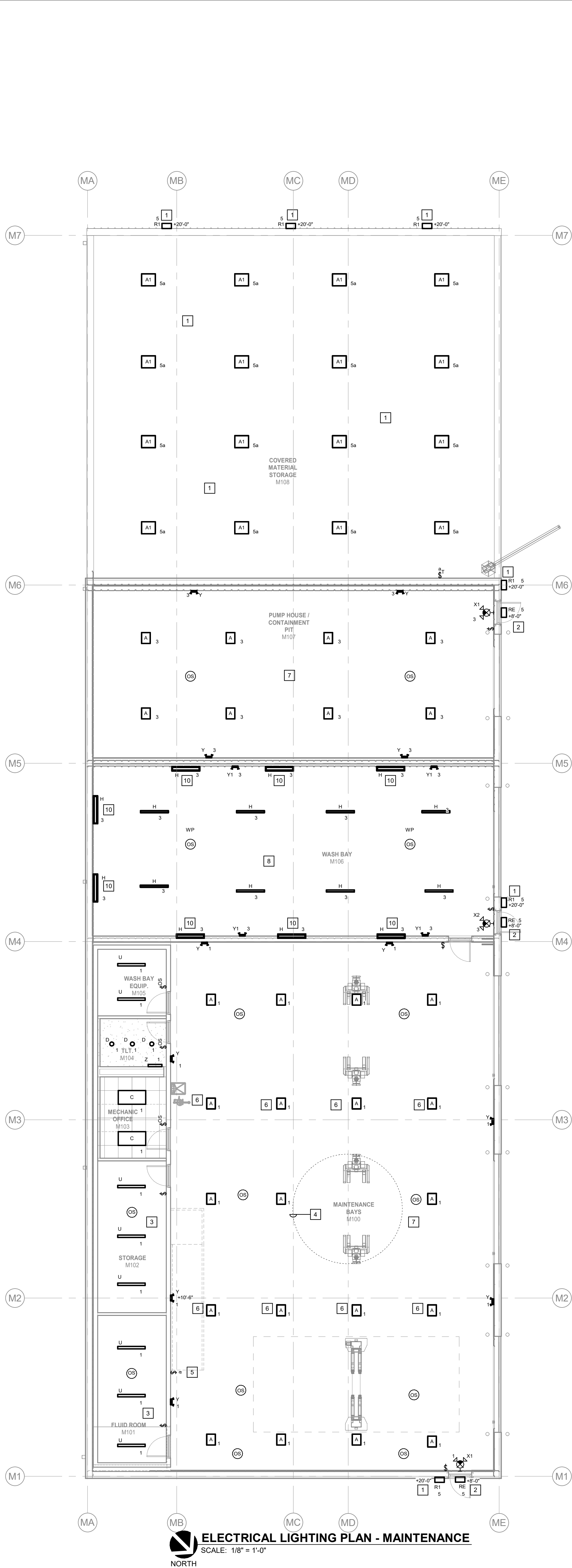
**ELECTRICAL LIGHTING PLAN - WAREHOUSE EAST MEZZANINE**  
SCALE: 1/8" = 1'-0"  
NORTH



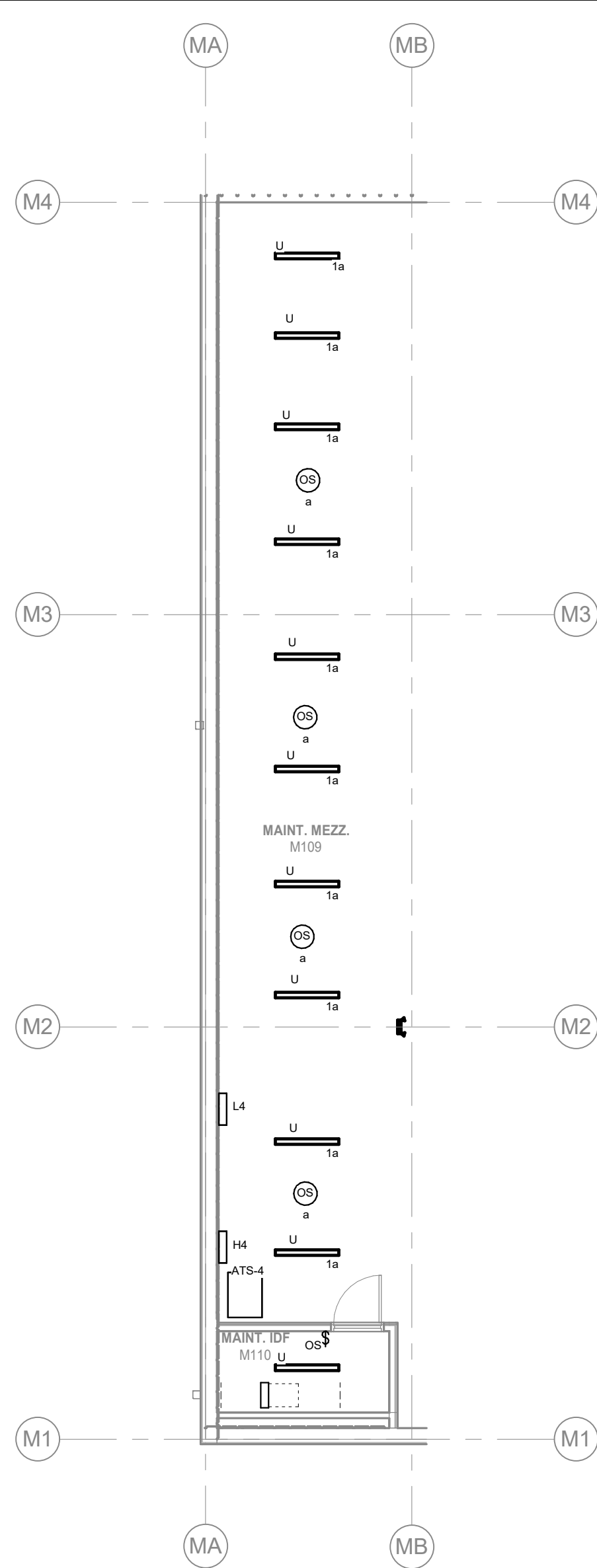
KEY PLAN

SSC JOB# 2025456

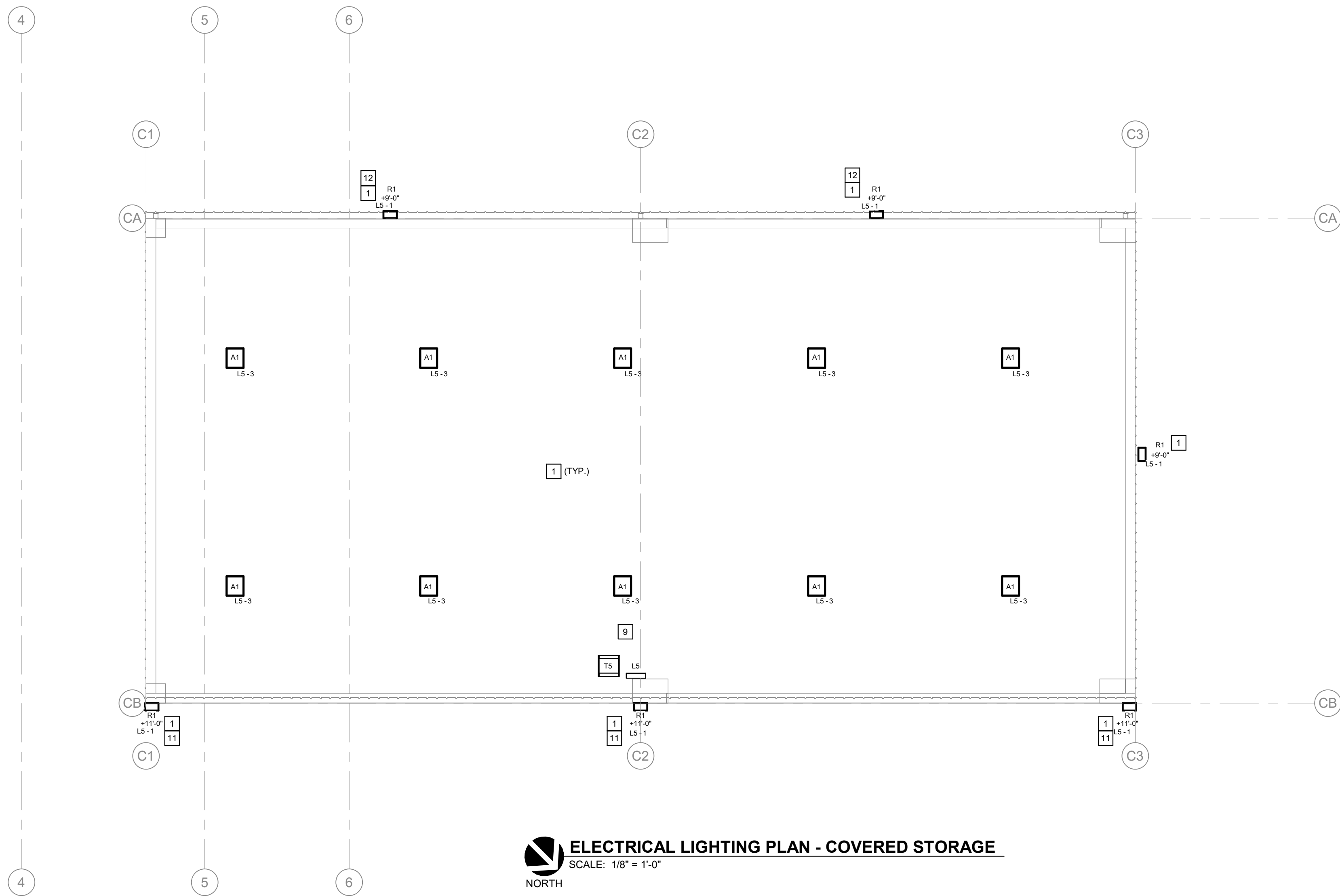




**ELECTRICAL LIGHTING PLAN - MAINTENANCE**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL LIGHTING PLAN - MAINTENANCE MEZZANINE**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL LIGHTING PLAN - COVERED STORAGE**  
SCALE: 1/8" = 1'-0"  
NORTH

**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR LIGHTING CONTROL SCHEMATIC.
3. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR SEISMIC SUPPORTS OF LIGHTING FIXTURES.
4. SUSPENDED CEILING SYSTEMS ARE DESIGNED TO SUPPORT THE WEIGHT OF ALL LIGHTING FIXTURES. THE STRUCTURAL FRAMING SHALL SUPPORT ALL CONDUITS, JUNCTION BOXES, ETC. ABOVE CEILINGS.
5. EMERGENCY LIGHTING SHALL BE SWITCHED AND NOT BE USED AS A NIGHT LIGHT. CONNECT EMERGENCY BALLAST VOLTAGE SENSING LEADS AHEAD OF SWITCH LEG OR OTHER CONTROL DEVICE.
6. ALL LIGHTING CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL H4, U.N.O.

**ELECTRICAL KEYED NOTES:**

1. CONTROL LIGHTING WITH PHOTOCELL. PER DETAIL 27/E0.7.
2. CONTROL LIGHTING WITH PHOTOCELL. PER DETAIL 27/E0.7. PROVIDE UNSWITCHED VOLTAGE SENSING LEADS FROM SAME BRANCH CIRCUIT TO BATTERY BALLAST.
3. PROVIDE LIGHTING CONTROL VIA CEILING MOUNTED OCCUPANCY/VACANCY SENSOR WITH LOCAL SWITCH "OFF" OVERRIDE. REFER TO LIGHTING CONTROL DETAIL 25/E0.7.
4. MAINTAIN 2" CLEARANCE BETWEEN LIGHTING FIXTURE AND TIPS OF FAN BLADES.
5. PROVIDE SWITCH FOR OFF OVERRIDE CONTROL OF LIGHTING ON MEZZANINE.
6. MOUNT FIXTURE UNDER PEMB BEAM OR SO THAT FIXTURE IS NOT OBSTRUCTED BY BEAM OR OVERHEAD DOOR.
7. SUSPEND FIXTURES IN THIS ROOM AT 18" BELOW STRUCTURE.
8. ALL DEVICES, FIXTURES, BOXES AND CONDUIT SHALL BE WEATHER PROOF/NEMA 4X RATED.
9. PROVIDE UNISTRUT FRAME FOR MOUNTING OF PANELBOARD AND LIGHTING CONTRACTOR.
10. MOUNT FIXTURES AT WALL OF WASH BAY AT 11'-0" ALT AND FACE INWARD TOWARDS BAY.
11. MOUNT FIXTURE TO FACE OF COLUMN. REFER TO 17/E0.8.
12. MOUNT FIXTURE TO FACE OF PEMB PANEL. REFER TO 19/E0.8.

**REVISION:**

|                             |            |
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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

**ELECTRICAL LIGHTING PLAN - MAINTENANCE AND COVERED STORAGE**

**E1.3**

SSC JOB# 2025456

KEY PLAN



## ARCHITECT:

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## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS

CAMBELLSVILLE, KY 42718

JEFFREY A. HUETTENMEYER  
Professional Engineer  
KY LIC#: 26212  
EXP: 06/30/2027



08/20/2026

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## REVISION:

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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL LIGHTING  
PLAN - OFFICE

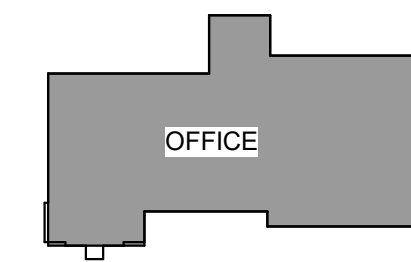
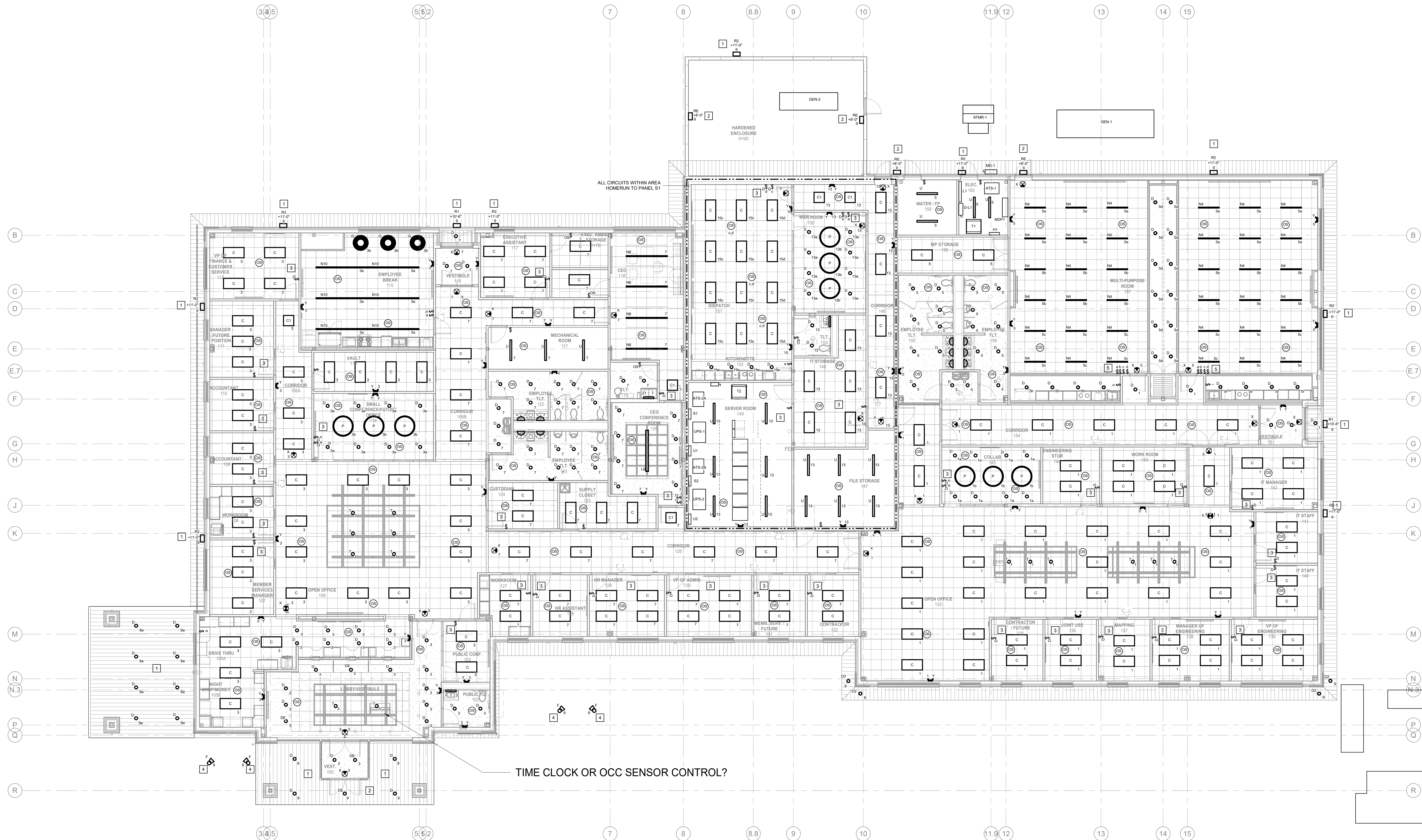
E1.4

## ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E01 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR LIGHTING CONTROL SCHEMATIC.
3. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR SEISMIC SUPPORTS OF LIGHTING FIXTURES.
4. SUSPENDED CEILING SYSTEMS ARE DESIGNED TO SUPPORT THE WEIGHT OF ALL LIGHTING FIXTURES. THE STRUCTURAL FRAMING SHALL SUPPORT ALL CONDUITS, JUNCTION BOXES, ETC ABOVE CEILINGS.
5. EMERGENCY LIGHTING SHALL BE SWITCHED AND NOT BE USED AS A NIGHT LIGHT. CONNECT EMERGENCY BALLAST VOLTAGE SENSING LEADS AHEAD OF SWITCH LEG OR OTHER CONTROL DEVICE.
- 6.
7. ALL LIGHTING CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL H1, U.N.O.

## ELECTRICAL KEYED NOTES:

1. CONTROL LIGHTING BY PHOTOCELL PER DETAIL 26E0.7.
2. CONTROL LIGHTING WITH PHOTOCELL PER DETAIL 26E0.7. PROVIDE UNSWITCHED VOLTAGE SENSING LEADS FROM SAME BRANCH CIRCUIT TO BATTERY BALLAST.
3. PROVIDE WALL SWITCHDIMMER FOR MANUAL OVERRIDE OF LIGHT FIXTURES AS INDICATED. FIXTURES SHALL BE CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSOR UPSTREAM OF SWITCHDIMMER.
4. PROVIDE TYPE F LUMINAIRES FOR FLAGPOLE LIGHTING. CONTROL WITH PHOTOCELL PER DETAIL 26E0.7. REFER TO FLOOD LIGHT DETAIL 16E0.7.
5. PROVIDE WATTSTOPPER DIM LIGHTING CONTROL SYSTEM WITH 5-BUTTON WITH DIMMING CONTROLLER. EACH SWITCH LOCATION SHALL CONTROL ALL SWITCH LEGS IN ROOM. PROVIDE WATTSTOPPER PARTITION SENSOR AT OPERABLE PARTITION.

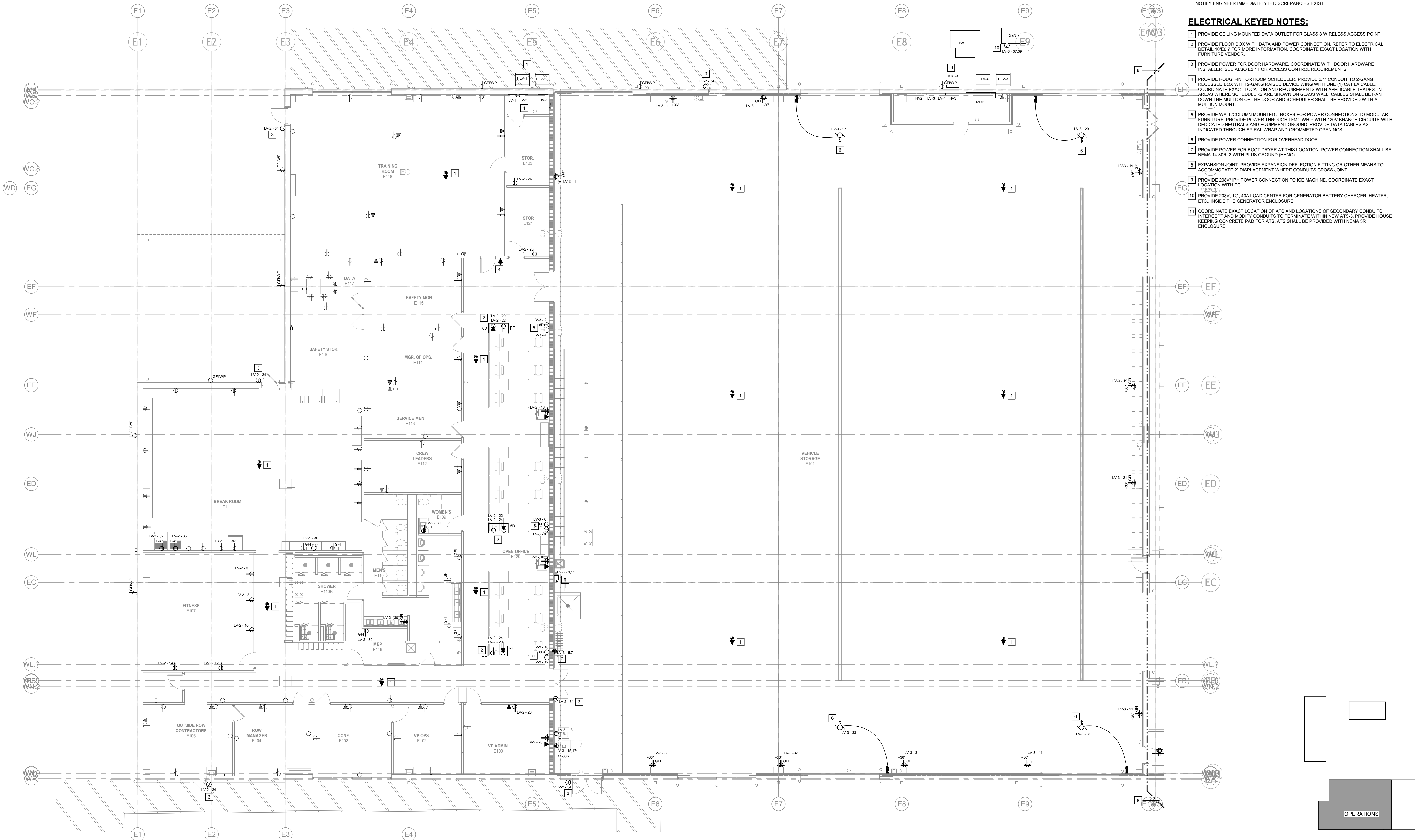


KEY PLAN

SSC JOB# 2025456



ALL NEW DATA OUTLETS SHALL  
HAVE 2 CABLES TERMINATED U.N.O.



- ELECTRICAL GENERAL NOTES:**
1. REFER TO SHEET ED-1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
  2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
  3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE EC, U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULES FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
  4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
  5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO EXTERIOR MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.
  6. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL PHONE AND DATA REQUIREMENTS.
  7. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXES AND POKE THROUGH WITH STRUCTURAL PLANS AND ARCHITECT PRIOR TO INSTALLATION. LOCATION SHALL BE COORDINATED TO AVOID STRUCTURAL ELEMENTS AND MATCH FURNITURE LOCATIONS.
  8. ALL HDMI CABLES SHALL BE EQUAL TO EXTRON ULTRA SERIES FOR APPLICATIONS OF 25' AND LESS; ALL APPLICATIONS OF GREATER THAN 25' SHALL BE EXTRON PRO SERIES. MEANS FOR "LOCKING" CABLES IN PLACE SHALL BE UTILIZED AT BOTH ENDS OF THE CABLES. ALL HDMI CABLES SHALL BE INSTALLED IN ADEQUATELY SIZED CONDUIT THROUGH THE CEILING PLENUM. SPECIFICATION GRADE, PLENUM RATED CABLING WILL ALSO BE CONSIDERED IN LIEU OF HORIZONTAL CONDUIT RUNS. ALL APPLICATIONS OVER 75' SHALL BE PROVIDED WITH AN EXTRON HDMI 101 PLUS CABLE EQUALIZER AND ALL RELATED CONNECTIONS AND ACCESSORIES. WALL PLATE SHALL BE EQUAL TO HUBBELL N801XX, U.N.O.
  9. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.

- ELECTRICAL KEYED NOTES:**
1. PROVIDE CEILING MOUNTED DATA OUTLET FOR CLASS 3 WIRELESS ACCESS POINT.
  2. PROVIDE FLOOR BOX WITH DATA AND POWER CONNECTION. REFER TO ELECTRICAL DETAIL 10E0.7 FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH FURNITURE VENDOR.
  3. PROVIDE POWER FOR DOOR HARDWARE. COORDINATE WITH DOOR HARDWARE INSTALLER. SEE ALSO E1.1 FOR ACCESS CONTROL REQUIREMENTS.
  4. PROVIDE ROUGH-IN FOR ROOM SCHEDULER. PROVIDE 3/4" CONDUIT TO 2-GANG RECESSED BOX WITH 2-GANG RAISED DEVICE WING WITH ONE (1) CAT 6A CABLE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES. IN AREAS WHERE SCHEDULERS ARE SHOWN ON GLASS WALL, CABLES SHALL BE RUN DOWN THE MULLION OF THE DOOR AND SCHEDULER SHALL BE PROVIDED WITH A MULLION MOUNT.
  5. PROVIDE WALL/COLUMN MOUNTED J-BOXES FOR POWER CONNECTIONS TO MODULAR FURNITURE. PROVIDE POWER THROUGH LFMC WHIP WITH 120V BRANCH CIRCUITS WITH DEDICATED NEUTRALS AND EQUIPMENT GROUND. PROVIDE DATA CABLES AS INDICATED THROUGH SPIRAL WRAP AND GROMMETED OPENINGS.
  6. PROVIDE POWER CONNECTION FOR OVERHEAD DOOR.
  7. PROVIDE POWER FOR BOOT DRYER AT THIS LOCATION. POWER CONNECTION SHALL BE NEMA 14-30R, 3 WITH PLUS GROUND (H+NG).
  8. EXPANSION JOINT: PROVIDE EXPANSION DEFLECTION FITTING OR OTHER MEANS TO ACCOMMODATE 2" DISPLACEMENT WHERE CONDUITS CROSS JOINT.
  9. PROVIDE 200V/100V POWER CONNECTION TO ICE MACHINE. COORDINATE EXACT LOCATION WITH FC.
  10. PROVIDE 200V, 120, 40A LOAD CENTER FOR GENERATOR BATTERY CHARGER, HEATER, ETC., INSIDE THE GENERATOR ENCLOSURE.
  11. COORDINATE EXACT LOCATION OF ATS AND LOCATIONS OF SECONDARY CONDUITS. INTERCEPT AND MODIFY CONDUITS TO TERMINATE WITHIN NEW ATS-3. PROVIDE HOUSE KEEPING CONCRETE PAD FOR ATS. ATS SHALL BE PROVIDED WITH NEMA 3R ENCLOSURE.



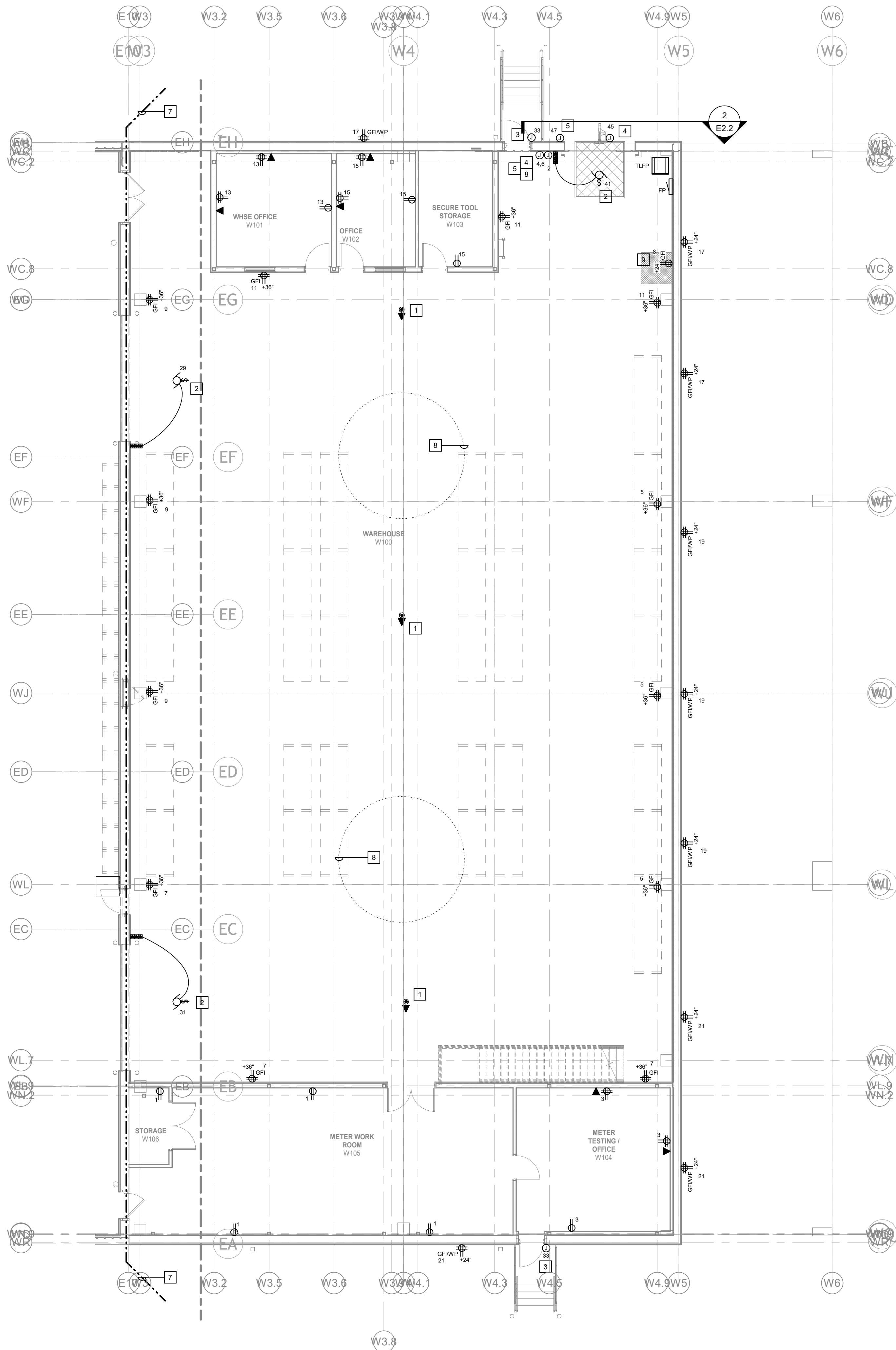
ALL DATA OUTLETS SHALL HAVE  
2 CABLES TERMINATED U.N.O.

**ELECTRICAL GENERAL NOTES:**

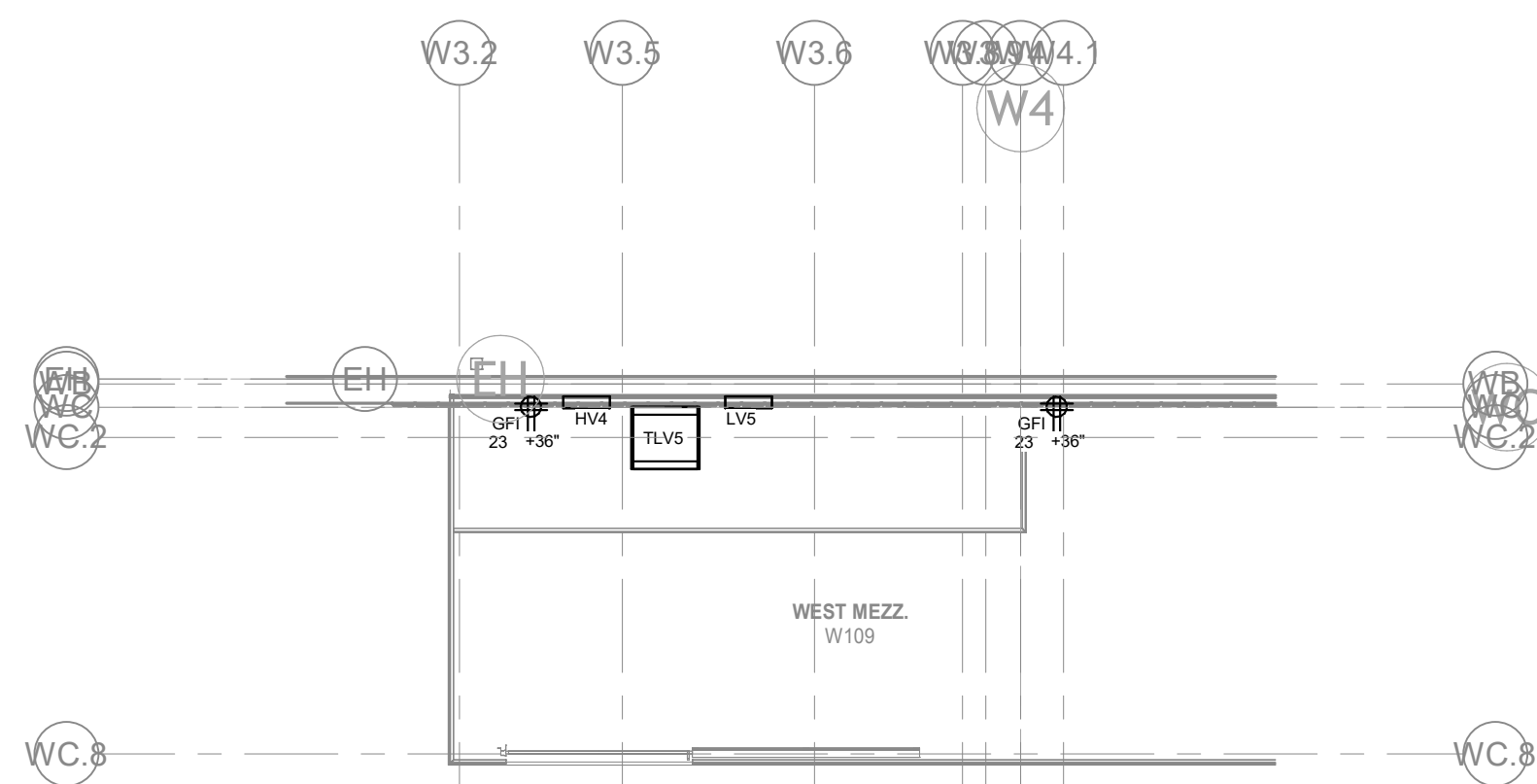
1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE E.C. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULE(S) FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122, SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO EXTERIOR MECHANICAL EQUIPMENT SHALL BE MADE WITH LPMC.
6. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL PHONE AND DATA REQUIREMENTS.
7. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXES AND POKE THROUGH WITH STRUCTURAL PLANS AND ARCHITECT PRIOR TO INSTALLATION. LOCATION SHALL BE COORDINATED TO AVOID STRUCTURAL ELEMENTS AND MATCH FURNITURE LOCATIONS.
8. ALL CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL LV5, U.N.O.

**ELECTRICAL KEYED NOTES:**

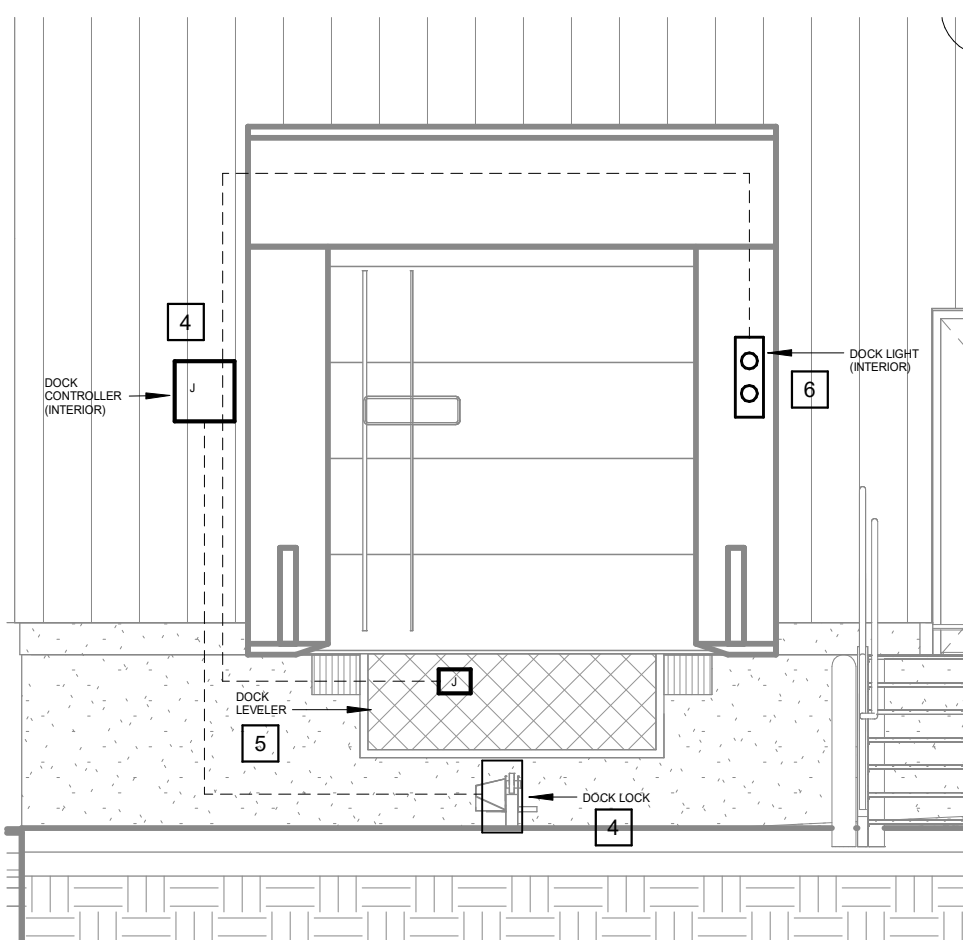
1. PROVIDE CEILING MOUNTED DATA OUTLET FOR CLASS 3 WIRELESS ACCESS POINT.
2. PROVIDE POWER CONNECTION FOR OVERHEAD DOOR.
3. PROVIDE 120V, 20A POWER CONNECTION ABOVE DOOR FOR DOOR HARDWARE POWER SUPPLY. COORDINATE WITH APPLICABLE TRADES FOR EXACT LOCATION AND REQUIREMENTS. WIRE TO DOOR HARDWARE THROUGH ACCESS CONTROL SYSTEM. SEE ALSO E3.2 FOR ACCESS CONTROL REQUIREMENTS.
4. PROVIDE 120V, 20A POWER CONNECTION TO DOCK LOCK, OVERHEAD RED/GREEN LIGHT AND DOCK CONTROL ACCESSORIES. REFER TO ARCHITECTURAL PLANS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
5. PROVIDE 120V, 20A POWER CONNECTION FOR DOCK LEVELER AND CONTROL STATION. PROVIDE INTERLOCK CABLEING BETWEEN CONTROLLER, DOCK LOCK, DOCK LEVELER, AND OVERHEAD DOOR PER MANUFACTURER'S INSTRUCTIONS. REFER TO 8/A9.1. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
6. PROVIDE DOCK LIGHT EQUIVALENT TO PHOENIX #BLAW-16-LED-40-42-120. DIRECT CONNECT TO SWITCH FURNISHED WITH DOCK LIGHT ON MOUNTING PLATE.
7. EXPANSION JOINT. PROVIDE EXPANSION DEFLECTION FITTING OR OTHER MEANS TO ACCOMMODATE 2" DISPLACEMENT WHERE CONDUITS CROSS JOINT.
8. MAINTAIN 2" CLEARANCE BETWEEN CEILING MOUNTED DEVICES AND TIPS OF FAN BLADES.
9. PROVIDE POWER CONNECTION FOR IN FLOOR SCALE. COORDINATE EXACT LOCATION WITH APPLICABLE TRADES.



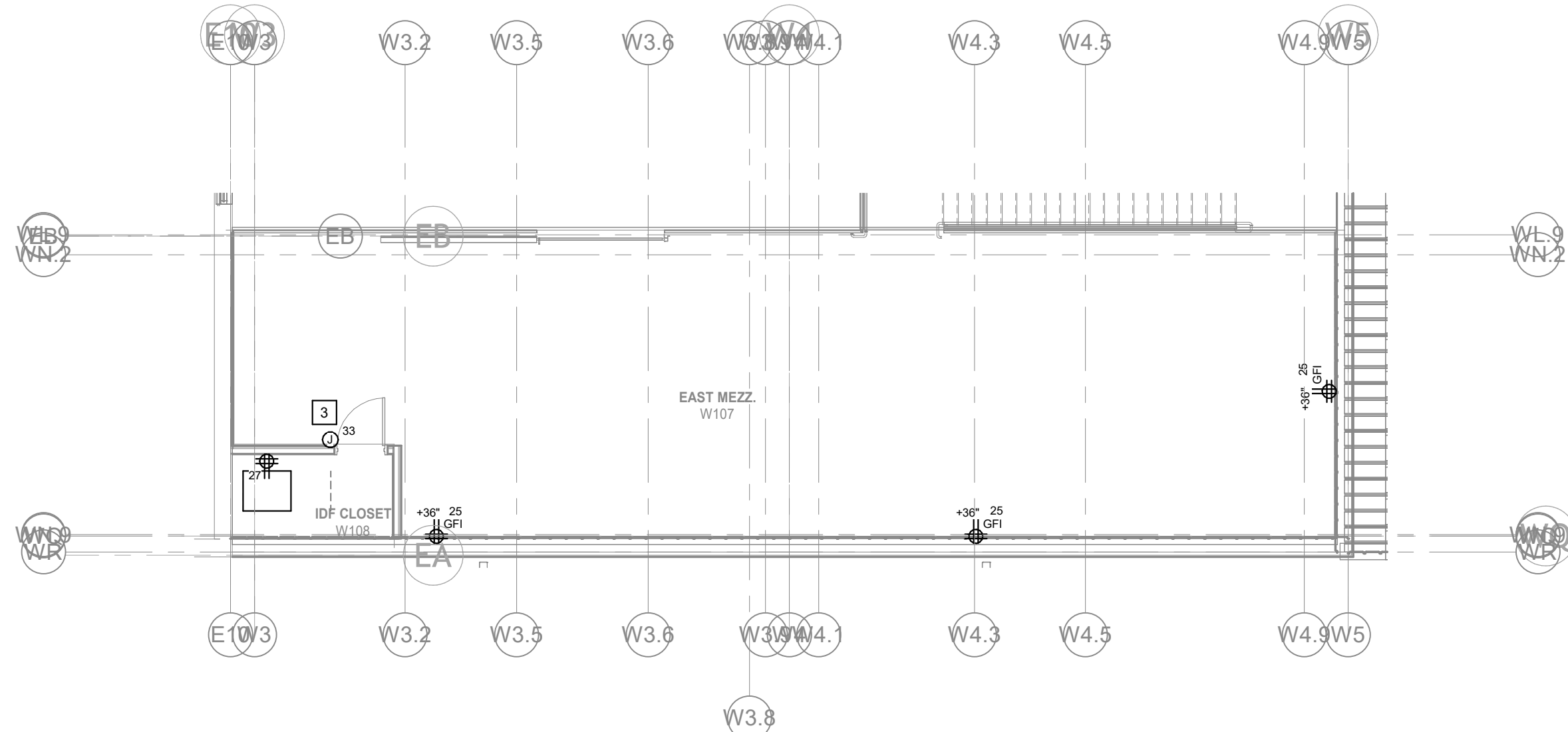
**ELECTRICAL POWER & DATA PLAN - OPERATIONS**  
SCALE: 1/8" = 1'-0"  
NORTH



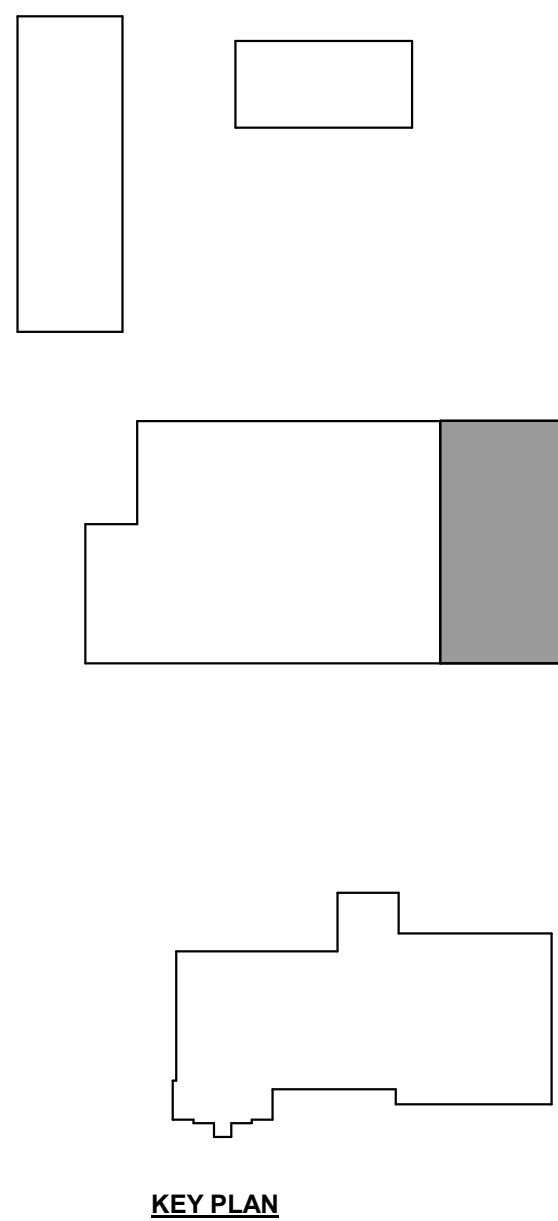
**ELECTRICAL POWER AND DATA PLAN - MEZZANINE WAREHOUSE WEST**  
SCALE: 1/8" = 1'-0"  
NORTH



**2. LOADING DOCK - ELECTRICAL**  
SCALE: 1/4" = 1'-0"



**ELECTRICAL POWER AND DATA PLAN - MEZZANINE WAREHOUSE EAST**  
SCALE: 1/8" = 1'-0"  
NORTH





## ELECTRICAL GENERAL NOTES:

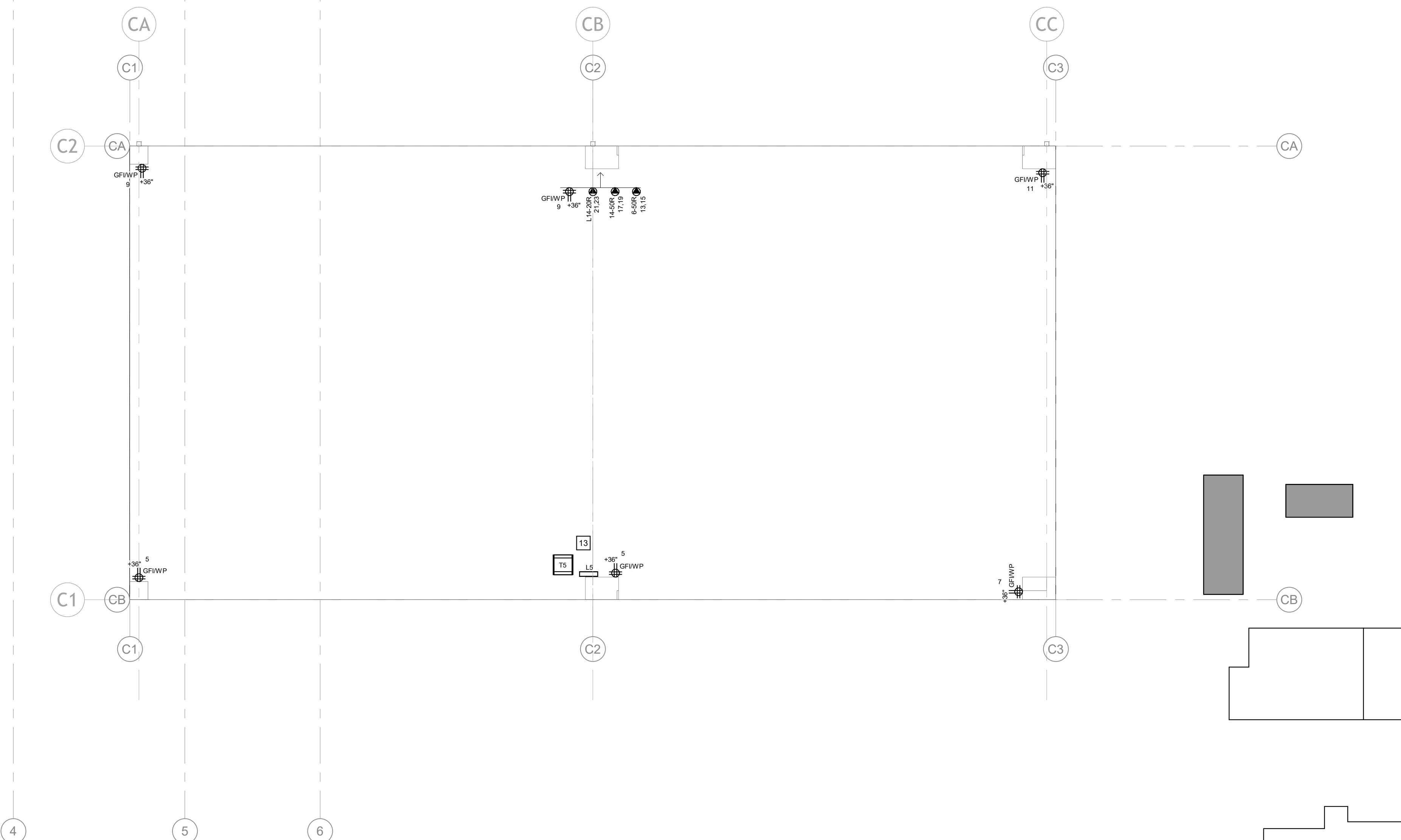
1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE EC, U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULE(S) FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURERS SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122, SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO EXTERIOR MECHANICAL EQUIPMENT SHALL BE MADE WITH LPMC.
6. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL PHONE AND DATA REQUIREMENTS.
7. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXES AND POKE THROUGH WITH STRUCTURAL PLANS AND ARCHITECT PRIOR TO INSTALLATION. LOCATION SHALL BE COORDINATED TO AVOID STRUCTURAL ELEMENTS AND MATCH FURNITURE LOCATIONS.
8. ALL CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL L4, U.N.O.

## ELECTRICAL KEYED NOTES:

- 1 PROVIDE CEILING MOUNTED DATA OUTLET FOR CLASS 3 WIRELESS ACCESS POINT.
- 2 PROVIDE POWER CONNECTION FOR OVERHEAD DOOR.
- 3 PROVIDE 120V, 20A POWER CONNECTION ABOVE DOOR FOR DOOR HARDWARE POWER SUPPLY. COORDINATE WITH APPLICABLE TRADES FOR EXACT LOCATION AND REQUIREMENTS. WIRE TO DOOR HARDWARE THROUGH ACCESS CONTROL SYSTEM.
- 4 PROVIDE POWER CONNECTION FOR AIR DRYER. COORDINATE EXACT LOCATION WITH MC.
- 5 PROVIDE DUPLEX RECEPTACLE, DATA CONNECTIONS IN WALL FOR TV. MOUNT PROVIDED BY OTHERS.
- 6 PROVIDE LOW VOLTAGE WIRING BETWEEN OVERHEAD DOOR SUPPLIER FURNISHED. CONTRACTOR INSTALLED MICROWAVE SENSOR, EQUIVALENT TO LIFTMASTER 60HERK2 AND MOTOR OPERATOR. INSTALL SENSOR ON EXTERIOR WALL ABOVE DOOR TO OPERATE DOOR UPON VEHICLE MOTION AND AIM UNDER DIRECTION OF OWNER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES AND DOOR SUPPLIER.
- 7 ALL DEVICES IN THIS AREA SHALL HAVE NEMA 4X COVERS.
- 8 ALL RECEPTACLES WITHIN ROOM SHALL HAVE GFCI PROTECTION, WHERE INSTANCES OF GFCI RECEPTACLE IS NOT APPLICABLE OR READILY ACCESSIBLE PROVIDE GFCI CIRCUIT BREAKER.
- 9 PROVIDE POWER CONNECTION TO VEHICLE LIFT AS INDICATED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
- 10 PROVIDE DEDICATED RECEPTACLES FOR PORTABLE LIFT CHARGING STATIONS. PROVIDE LABELS ON COVER PLATE "PORTABLE LIFT CHARGER".
- 11 PROVIDE DEDICATED POWER CONNECTION TO WASHBAY AERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
- 12 PROVIDE DEDICATED POWER CONNECTION TO CRANE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
- 13 PROVIDE UNISTRUT FRAME FOR MOUNTING OF PANELBOARD AND LIGHTING CONTRACTOR.
- 14 MAINTAIN 2" CLEARANCE BETWEEN CEILING MOUNTED DEVICES AND TIPS OF FAN BLADES.
- 15 PROVIDE 120V POWER CONNECTION TO LOW VOLTAGE TRANSFORMER AND WIRE FROM TRANSFORMER TO SECONDARY TO RECESSED WALL BOX FOR POWERING FAUCETS AND FLUSH VALVES. PROVIDE "GFI PROTECTED" LABEL AT TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.

ALL DATA OUTLETS SHALL HAVE  
2 CABLES TERMINATED U.N.O.

## ELECTRICAL MEZZANINE POWER AND DATA PLAN - MAINTENANCE MEZZANINE

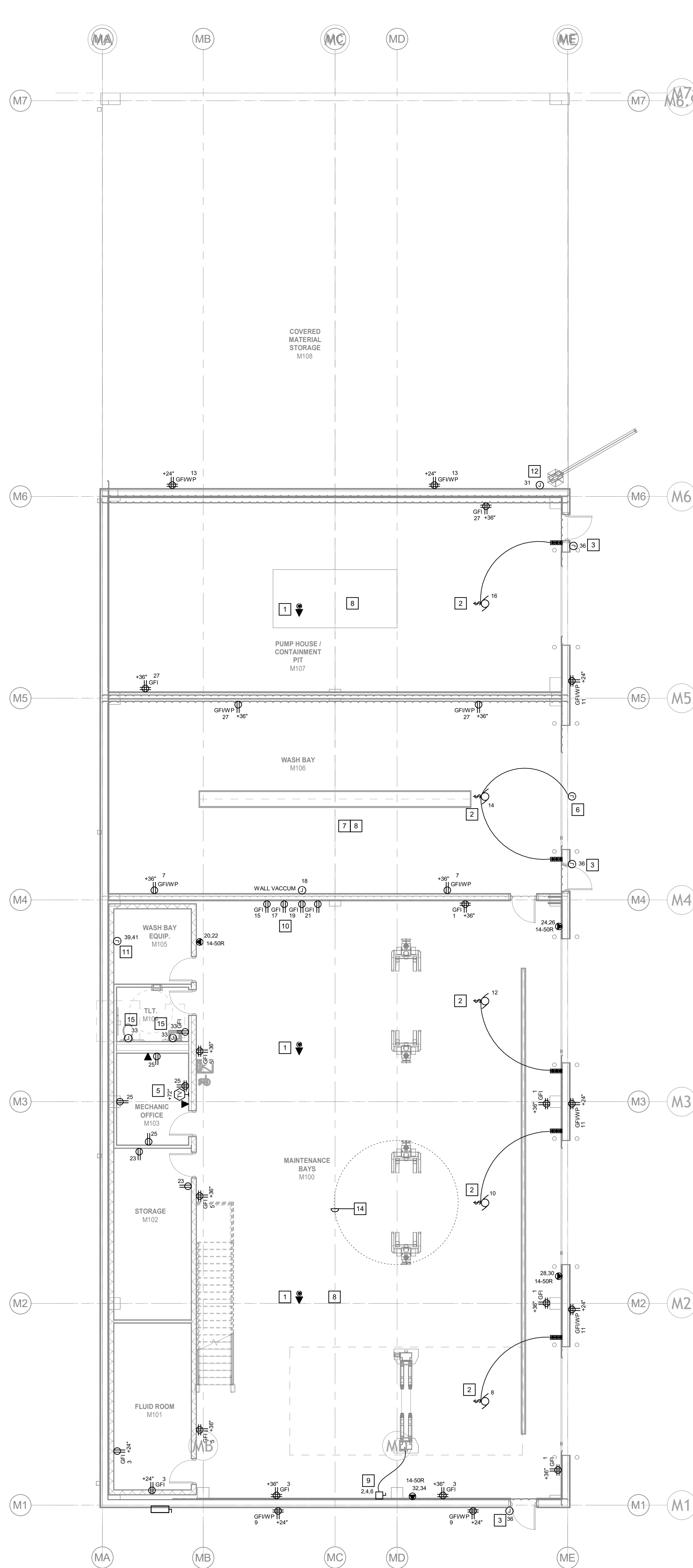
SCALE: 1/8" = 1'-0"  
NORTH

## ELECTRICAL POWER AND DATA PLAN - COVERED STORAGE

SCALE: 1/8" = 1'-0"  
NORTH

KEY PLAN

## ELECTRICAL POWER AND DATA PLAN - MAINTENANCE

SCALE: 1/8" = 1'-0"  
NORTH



ALL DATA OUTLETS SHALL HAVE  
2 CABLES TERMINATED U.N.O.

#### ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE E.C. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULE(S) FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO EXTERIOR MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.
6. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL PHONE AND DATA REQUIREMENTS.
7. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXES AND PORE THROUGH WITH STRUCTURAL PLANS AND ARCHITECT PRIOR TO INSTALLATION. LOCATION SHALL BE COORDINATED TO AVOID STRUCTURAL ELEMENTS AND MATCH FURNITURE LOCATIONS.
8. ALL CIRCUITS ON THIS SHEET TO BE HOMERUN TO PANEL L1, U.N.O.

#### ELECTRICAL KEYED NOTES:

1. PROVIDE CEILING MOUNTED DATA OUTLET FOR CLASS 3 WIRELESS ACCESS POINT.
2. PROVIDE RECESSED FLOORBOX WITH POWER, DATA, AND AV DEVICES, CABLES, AND CONNECTIONS. PROVIDE TWO(2) JACKS PER CUBICAL. REFER TO 10E0.7.
3. PROVIDE QUAD RECEPTACLE, DATA, AND AV CONNECTIONS IN WALL FOR TV WITH AV CONNECTIONS AT DESK OR FLOORBOXES. MOUNT PROVIDED BY OTHERS. REFER TO 12E0.7.
4. PROVIDE QUAD RECEPTACLE AND DATA CONNECTIONS IN WALL FOR TV. MOUNT PROVIDED BY OTHERS. REFER TO 11E0.7.
5. PROVIDE POWER FOR DOOR HARDWARE. COORDINATE WITH DOOR HARDWARE INSTALLER. SEE ALSO E3.1 FOR ACCESS CONTROL REQUIREMENTS.
6. PROVIDE ROUGH-IN FOR ROOM SCHEDULER. PROVIDE 3/4" CONDUIT TO 2-GANG RECESSED BOX WITH 2-GANG RAISED DEVICE WING WITH ONE (1) CAT 6A CABLE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES. IN AREAS WHERE SCHEDULERS ARE SHOWN ON GLASS WALL, CABLES SHALL BE RAN DOWN THE MULLION OF THE DOOR AND SCHEDULER SHALL BE PROVIDED WITH A MULLION MOUNT.
7. PROVIDE WALL/COLUMN MOUNTED J-BOXES FOR POWER CONNECTIONS TO MODULAR FURNITURE. PROVIDE POWER THROUGH LFMC WHP WITH 120V BRANCH CIRCUITS WITH DEDICATED NEUTRALS AND EQUIPMENT GROUND. PROVIDE DATA CABLES AS INDICATED THROUGH SPIRAL WRAP AND GROMMETED OPENINGS. PROVIDE TWO(2) JACKS PER CUBICAL.
8. PROVIDE UNDER COUNTER SWITCHES FOR REMOTE LOCKING OPERATION FOR VESTIBULE. TIE TOGETHER WITH DURESS ALARM ON E3.1. COORDINATE WITH APPLICABLE TRADES.
9. PROVIDE (1) 1" CONDUIT FOR AV CONNECTION FROM DESK TO WALL MOUNTED TV.
10. PROVIDE FLOOR BOX WITH DATA AND POWER CONNECTION. REFER TO ELECTRICAL DETAIL 10E0.7 FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH FURNITURE VENDOR.
11. PROVIDE FLOOR BOX WITH POWER CONNECTION ONLY. REFER TO ELECTRICAL DETAIL 10E0.7 FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH FURNITURE VENDOR.
12. ALL RECEPTACLES WITHIN ROOM SHALL HAVE GFCI PROTECTION. WHERE INSTANCES OF GFCI RECEPTACLE IS NOT APPLICABLE PROVIDE GFCI CIRCUIT BREAKER.
13. PROVIDE (2) NEMA 16-30R PER RACK CIRCUIT AS INDICATED ON PLANS. PROVIDE EACH RACK WITH 208V1PH, 3ØA, 4KW PDU. REFER TO SPECIFICATIONS (200702).
14. PROVIDE POWER CONNECTION FOR WS-1. COORDINATE WITH MC.
15. PROVIDE 120V POWER CONNECTION TO LOW VOLTAGE TRANSFORMER AND WIRE FROM TRANSFORMER TO SECONDARY TO RECESSED WALL BOX FOR POWERING FAUCETS AND FLUSH VALVES. PROVIDE "GFI PROTECTED" LABEL AT TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES.
16. PROVIDE POWER AND DATA FOR PLOTTER AND COPIER. PROVIDE TWO DEDICATED CIRCUITS IN FLOOR BOX AS INDICATED.

M+H  
ARCHITECTS

ARCHITECT:  
Mitchell and Hugesback Architects, Inc.  
D.B.A. M+H Architects  
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www.mha.us.com

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Corporate License No.: 001244

COOPERATIVE  
BUILDING SOLUTIONS

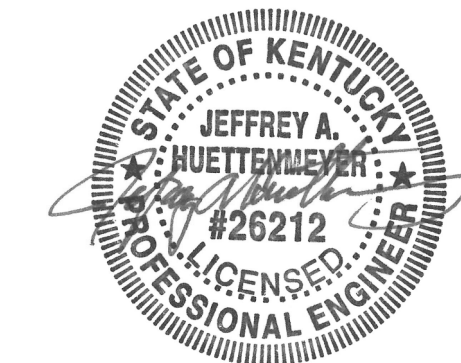
TAYLOR COUNTY RECC

685 WATER TOWER BYPASS

CARROLLVILLE, KY 42218

RECC  
A Tennessee Board of Standards

JEFFREY A. HUETTENEYER  
Professional Engineer  
KY LIC#: 26212  
EXP: 06/30/2027



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100% CONSTRUCTION DOCUMENTS 08/20/2026

Sheet Issue Date: 08/20/2026  
Job Number: 250120.00  
Drawn By: KWS  
Checked By: JAH  
Drawing Title:

ELECTRICAL POWER  
AND DATA PLAN -  
OFFICE

E2.4

SSC JOB# 2025456



ELECTRICAL FLOOR POWER AND DATA PLAN - OFFICE

SCALE: 1/8" = 1'-0"

KEY PLAN





**ELECTRICAL FIRST FLOOR FIRE ALARM & SECURITY PLAN - OPERATIONS**  
SCALE: 1/8" = 1'-0"  
NORTH

KEY PLAN

**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL ACCESS CONTROL, SECURITY & VIDEO SURVEILLANCE REQUIREMENTS.
4. PROVIDE 120V POWER AND LOW VOLTAGE ROUGH-INS FOR DOOR ACCESS CONTROL AND SECURITY DEVICES AS REQUIRED. COORDINATE WITH APPLICABLE TRADES. REFER TO DOOR HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. INFORMATION ON THIS SHEET IS COMPILED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS AND SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF ALL EQUIPMENT AND DEVICES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
7. THE FA CONTRACTOR SHALL PROVIDE SIGNED AND SEALED FA SHOP DRAWINGS AS OUTLINED IN THE ELECTRICAL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO WIRING DIAGRAMS, BATTERY CALCULATIONS, FINAL DEVICE LAYOUT, ETC.

\*\*\*THIS DRAWING AND ASSOCIATED FIRE ALARM SYSTEM SPECIFICATIONS ARE INTENDED TO OUTLINE DESIGN BUILD PERFORMANCE SPECIFICATIONS AND THE OWNER AND ENGINEERS MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL PROVIDE FULLY ENGINEERED FIRE ALARM CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE FULLY ENGINEERED AND SIGNED AND SEALED FIRE ALARM DOCUMENTS, INCLUDING FINAL DEVICE AND APPLIANCE LAYOUT AND COVERAGE, EQUIPMENT DETAILS AND OUTSHEETS, BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, WIRING DETAILS AND DIAGRAMS, AND AS OTHERWISE REQUIRED OR REQUESTED BY THE A/E. DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OF THE STATE IN WHICH THE PROJECT IS LOCATED. NO FIRE ALARM DOCUMENTS WILL BE SIGNED AND SEALED BY SSC ENGINEERING. THE DRAWINGS AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS ARE INTENDED TO OUTLINE DESIGN BUILD PERFORMANCE SPECIFICATIONS AND THE OWNERS MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL PROVIDE THE COMPLETE FINAL DESIGN. IF ANY DEFICIENCIES OR CONFLICTS EXIST IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO SUBMITTING A BID.

**ELECTRICAL KEYED NOTES:**

- 1 REFER TO DETAILS ON E0.8 AND E0.9 FOR ACCESS CONTROL DEVICES, BOXES, CONDUITS AND CABLES.
- 2 EXISTING FIRE ALARM HEAD END EQUIPMENT.
- 3 PROVIDE PRESSURE, FLOW, AND TAMPER SWITCHES WITH MONITORING MODULES FOR FIRE SPRINKLER SYSTEM PER FIRE PROTECTION DRAWINGS. COORDINATE EXACT LOCATION AND QUANTITY WITH FCP.
- 4 PROVIDE FIRE ALARM MONITORING MODULE FOR MONITORING KITCHEN HOOD ALARM.
- 5 PROVIDE FIRE ALARM MONITORING MODULE AT GENERATOR TO MONITOR TROUBLE ALARM, LOW FUEL.
- 6 PROVIDE FIRE ALARM MONITORING MODULE FOR AUTOMATIC AIR VENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FCP.

M+H  
ARCHITECTS

**ARCHITECT:**  
Mitchell and Hugesback Architects, Inc.  
D.B.A. M+H Architects  
12747 Olive Blvd., Suite 150  
St. Louis, MO 63141  
314-878-3500  
www.mha.us.com

**CONSULTANT:**  
**SSC Engineering, Inc.**

Michael K. Swim Consulting Engineer, Inc.  
D.B.A. SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
636-530-7770  
Corporate License No.: 001244

**COOPERATIVE**  
BUILDING SOLUTIONS

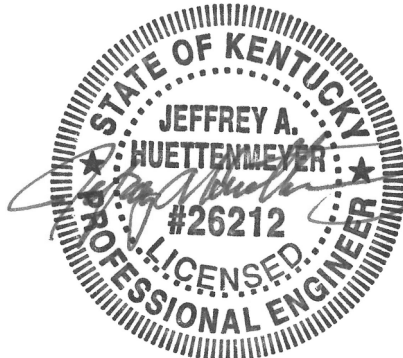
**TAYLOR COUNTY RECC**

685 WATER TOWER BYPASS

CAMPBELLSVILLE, KY 42218

**RECC**  
A Tennessee Board-Certified Engineer

JEFFREY A. HUETTENMEYER  
Professional Engineer  
KY LIC# 26212  
EXP: 06/30/2027



08/20/2026

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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

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Checked By: JAH

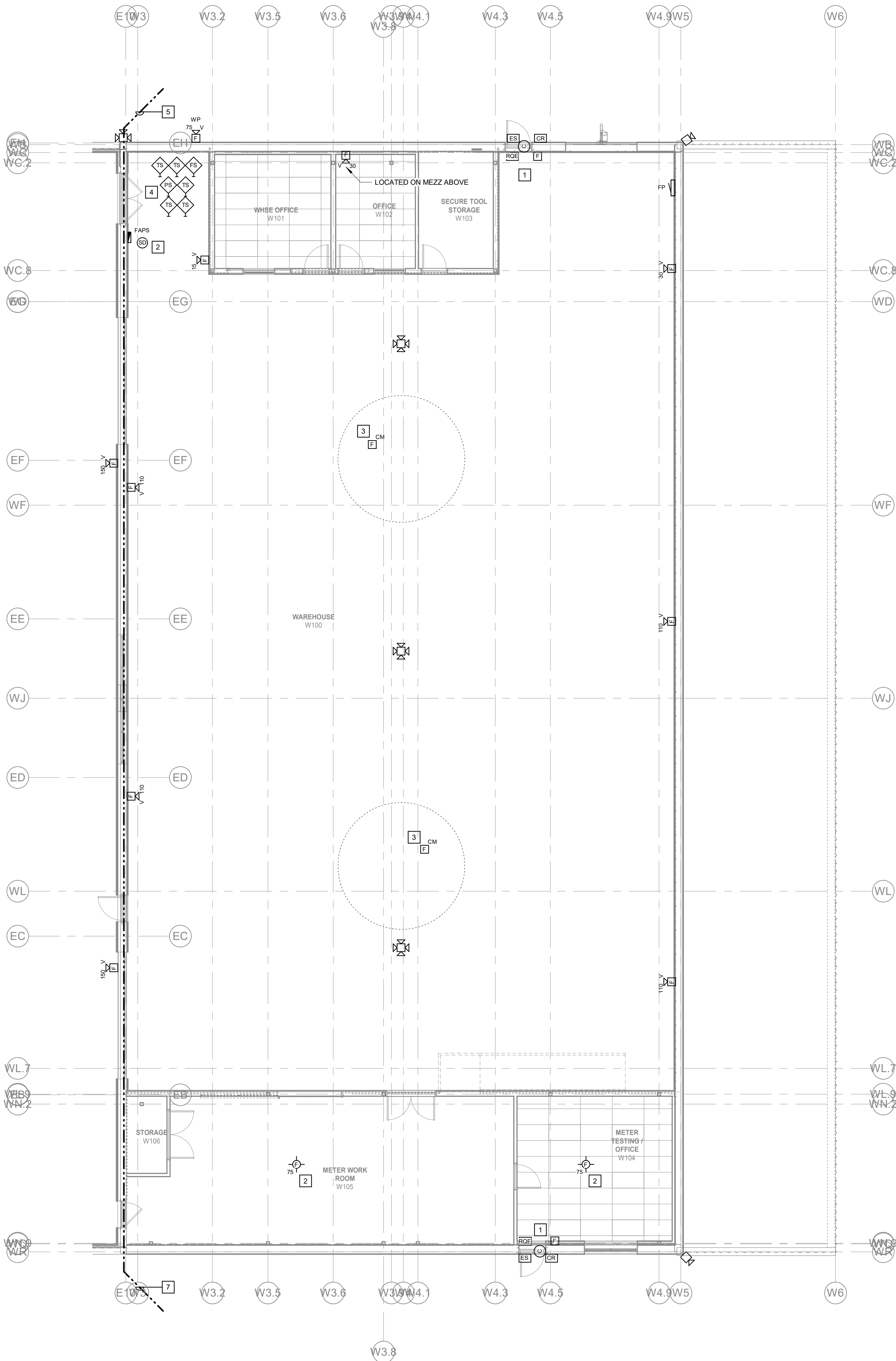
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**ELECTRICAL FIRE ALARM AND SECURITY PLAN - OPERATIONS**

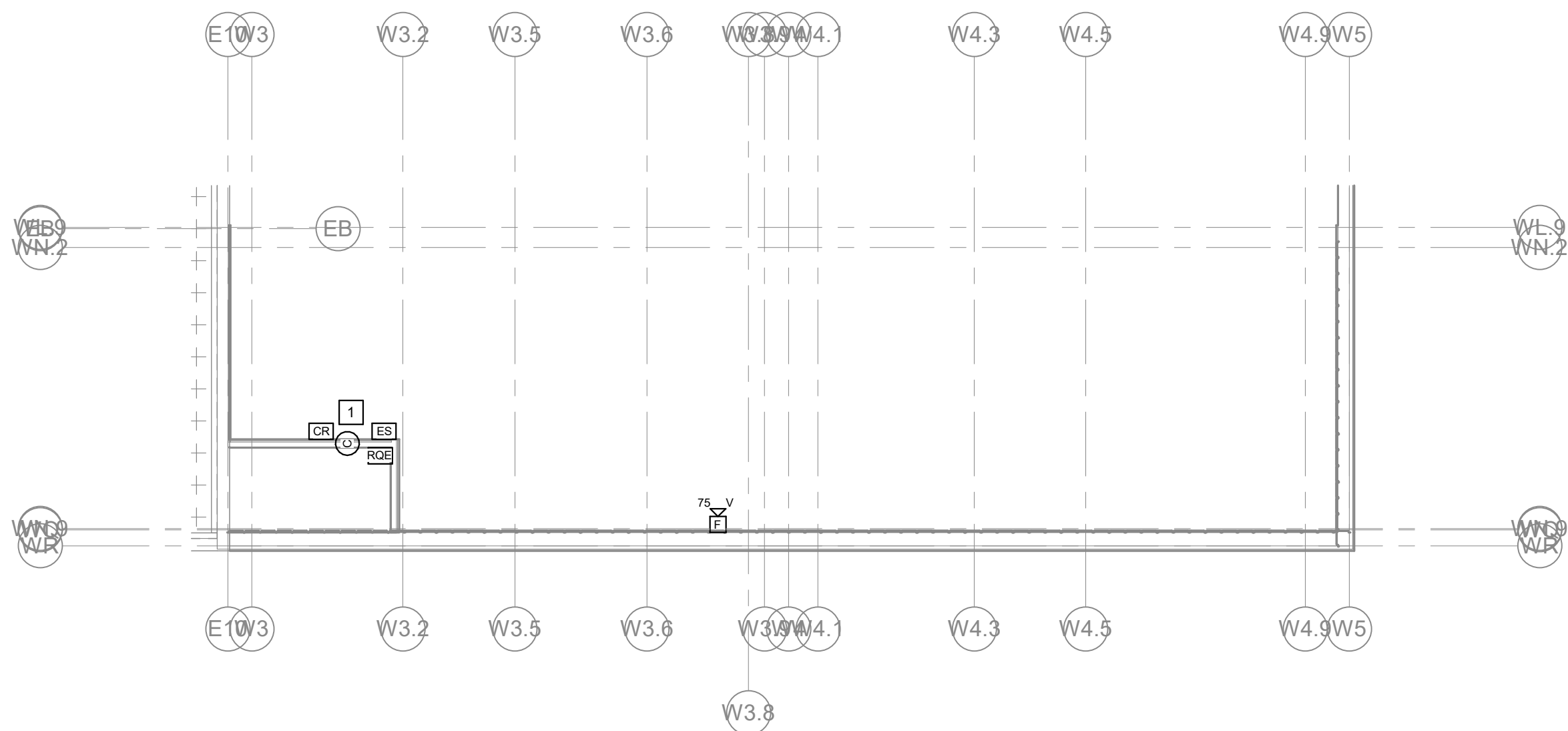
**E3.1**

SSC JOB# 2025456





**SSC ELECTRICAL FIRST FLOOR FIRE ALARM & SECURITY PLAN - OPERATIONS**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL FIRE ALARM & SECURITY PLAN - WAREHOUSE EAST MEZZANINE**  
SCALE: 1/8" = 1'-0"  
NORTH

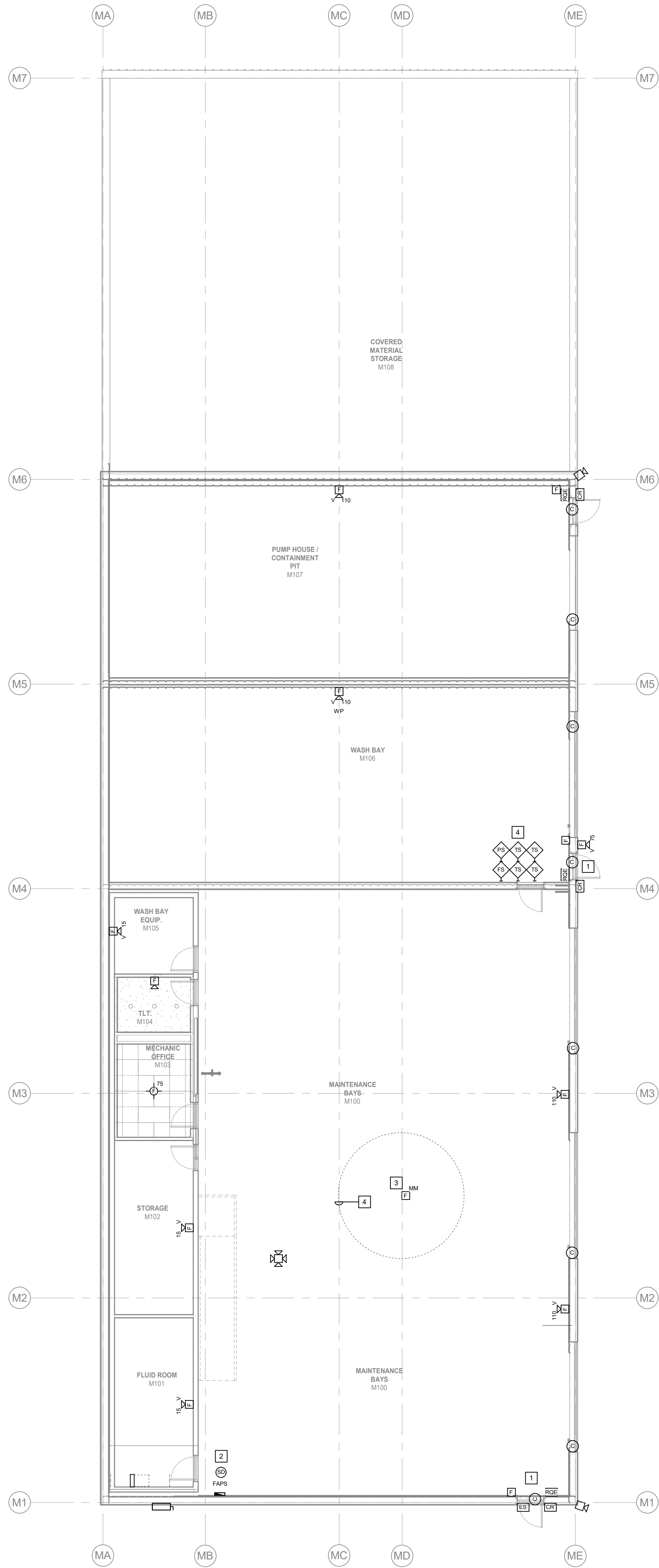
**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
  2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DURING THE WORK. ANY CORRECTIONS SHALL BE AT THAT CONTRACTOR'S EXPENSE.
  3. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL ACCESS CONTROL, SECURITY & VIDEO SURVEILLANCE REQUIREMENTS.
  4. PROVIDE 120V POWER AND LOW VOLTAGE ROUGH-INS FOR DOOR ACCESS CONTROL AND SECURITY DEVICES AS REQUIRED. COORDINATE WITH APPLICABLE TRADES. REFER TO DOOR HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  5. INFORMATION ON THIS SHEET IS COMPILED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS AND SHALL BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF ALL EQUIPMENT AND DEVICES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  6. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND DEVICES PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
  7. THE FA CONTRACTOR SHALL PROVIDE SIGNED AND SEALED FA SHOP DRAWINGS AS OUTLINED IN THE ELECTRICAL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO WIRING DIAGRAMS, BATTERY CALCULATIONS, FINAL DEVICE LAYOUT, ETC.
- \*\*\*THIS DRAWING AND ASSOCIATED FIRE ALARM SYSTEM SPECIFICATIONS ARE INTENDED TO OUTLINE DESIGN BUILD PERFORMANCE SPECIFICATIONS AND THE OWNER AND ENGINEER'S MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL PROVIDE FULLY ENGINEERED FIRE ALARM CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE FULLY ENGINEERED AND SIGNED AND SEALED FIRE ALARM DOCUMENTS, INCLUDING FINAL DEVICE AND APPLIANCE LAYOUT AND COVERAGE, EQUIPMENT DETAILS AND CUTSHEETS, BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, WIRING DETAILS AND DIAGRAMS, AND AS OTHERWISE REQUIRED OR REQUESTED BY THE A.H.U. DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OF THE STATE IN WHICH THE PROJECT IS LOCATED. NO FIRE ALARM DOCUMENTS WILL BE SIGNED AND SEALED BY SSC ENGINEERING. THE DRAWINGS AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS ARE INTENDED TO OUTLINE DESIGN BUILD PERFORMANCE SPECIFICATIONS AND THE OWNER'S MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM. THE CONTRACTOR SHALL PROVIDE THE COMPLETE FINAL DESIGN. IF ANY DEFICIENCIES OR CONFLICTS EXIST IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO SUBMITTING A BID.

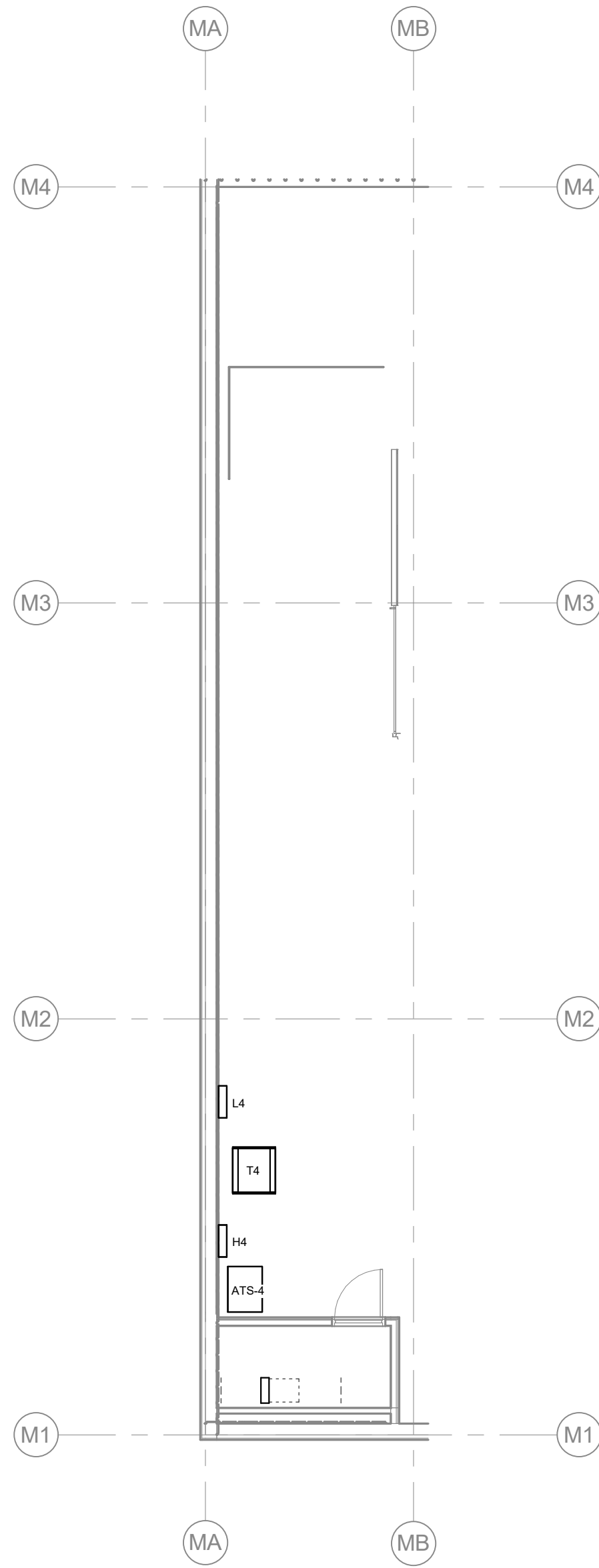
**ELECTRICAL KEYED NOTES:**

1. REFER TO DETAILS ON E0.8 AND E0.9 FOR ACCESS CONTROL DEVICES, BOXES, CONDUITS AND CABLES.
2. PROVIDE PENDANT MOUNTING KIT FOR FIRE ALARM DEVICE IN AREA WITH HIGH CEILINGS.
3. PROVIDE CONTROL MODULE FOR SHUT DOWN OF DESTRATIFICATION FAN ON ALARM.
4. PROVIDE PRESSURE, FLOW, AND TAMPER SWITCHES WITH MONITORING MODULES FOR FIRE SINKER SYSTEM PER FIRE PROTECTION DRAWINGS. COORDINATE EXACT LOCATION AND QUANTITY WITH FCP.
5. EXPANSION JOINT. PROVIDE EXPANSION DEFLECTION FITTING OR OTHER MEANS TO ACCOMMODATE 2" DISPLACEMENT WHERE CONDUITS CROSS JOINT.





**ELECTRICAL FIRE ALARM & SECURITY PLAN - MAINTENANCE**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL FIRE ALARM & SECURITY PLAN - MAINTENANCE MEZZANINE**  
SCALE: 1/8" = 1'-0"  
NORTH

**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DURING THE WORK. ANY CORRECTIONS SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL ACCESS CONTROL, SECURITY & VIDEO SURVEILLANCE REQUIREMENTS.
4. PROVIDE 120V POWER AND LOW VOLTAGE ROUGH-INS FOR DOOR ACCESS CONTROL AND SECURITY DEVICES AS REQUIRED. COORDINATE WITH APPLICABLE TRADES. REFER TO DOOR HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. THE FA CONTRACTOR SHALL PROVIDE SIGNED AND SEALED FA SHOP DRAWINGS AS OUTLINED IN THE ELECTRICAL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO WIRING DIAGRAMS, BATTERY CALCULATIONS, FINAL DEVICE LAYOUT, ETC.

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**ELECTRICAL KEYED NOTES:**

1. REFER TO DETAILS ON E0.8 AND E0.9 FOR ACCESS CONTROL DEVICES, BOXES, CONDUITS AND CABLES.
2. PROVIDE PENDANT MOUNTING KIT FOR FIRE ALARM DEVICE IN AREA WITH HIGH CEILINGS.
3. PROVIDE CONTROL MODULE FOR SHUT DOWN OF DESTRATIFICATION FAN ON ALARM.
4. MAINTAIN 2" CLEARANCE BETWEEN CEILING MOUNTED DEVICES AND TIPS OF FAN BLADES.
5. PROVIDE PRESSURE, FLOW, AND TAMPER SWITCHES WITH MONITORING MODULES FOR FIRE SPRINKLER SYSTEM PER FIRE PROTECTION DRAWINGS. COORDINATE EXACT LOCATION AND QUANTITY WITH FCP.

**REVISION:**

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| Sheet Issue Date: | 08/20/2026 |
| Job Number:       | 250120.00  |
| Drawn By:         | KWS        |
| Checked By:       | JAH        |

Draw/ELECTRICAL FIRE ALARM AND SECURITY PLAN - MAINTENANCE AND COVERED STORAGE

**E3.3**



## CONSULTANT:

SSC Engineering, Inc.

Michael K. Swim Consulting Engineer, Inc.  
D.B.A. SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
636-530-7770  
Corporate License No.: 001244

## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS  
CAMBELLSVILLE, KY 42718JEFFREY A. HUETTENMEYER  
Professional Engineer  
KY LIC#: 26212  
EXP: 06/30/2027The Seal and Signature apply only to the Document to which they are Affixed, and Expressly Disclaim any Responsibility for all other Plans, Specifications, Estimates, Reports, or other Documents or Instruments relating to or intended to be used for any part or parts of the Architectural or Engineering Project.  
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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL FIRE  
ALARM AND SECURITY  
PLAN - OFFICE

E3.4

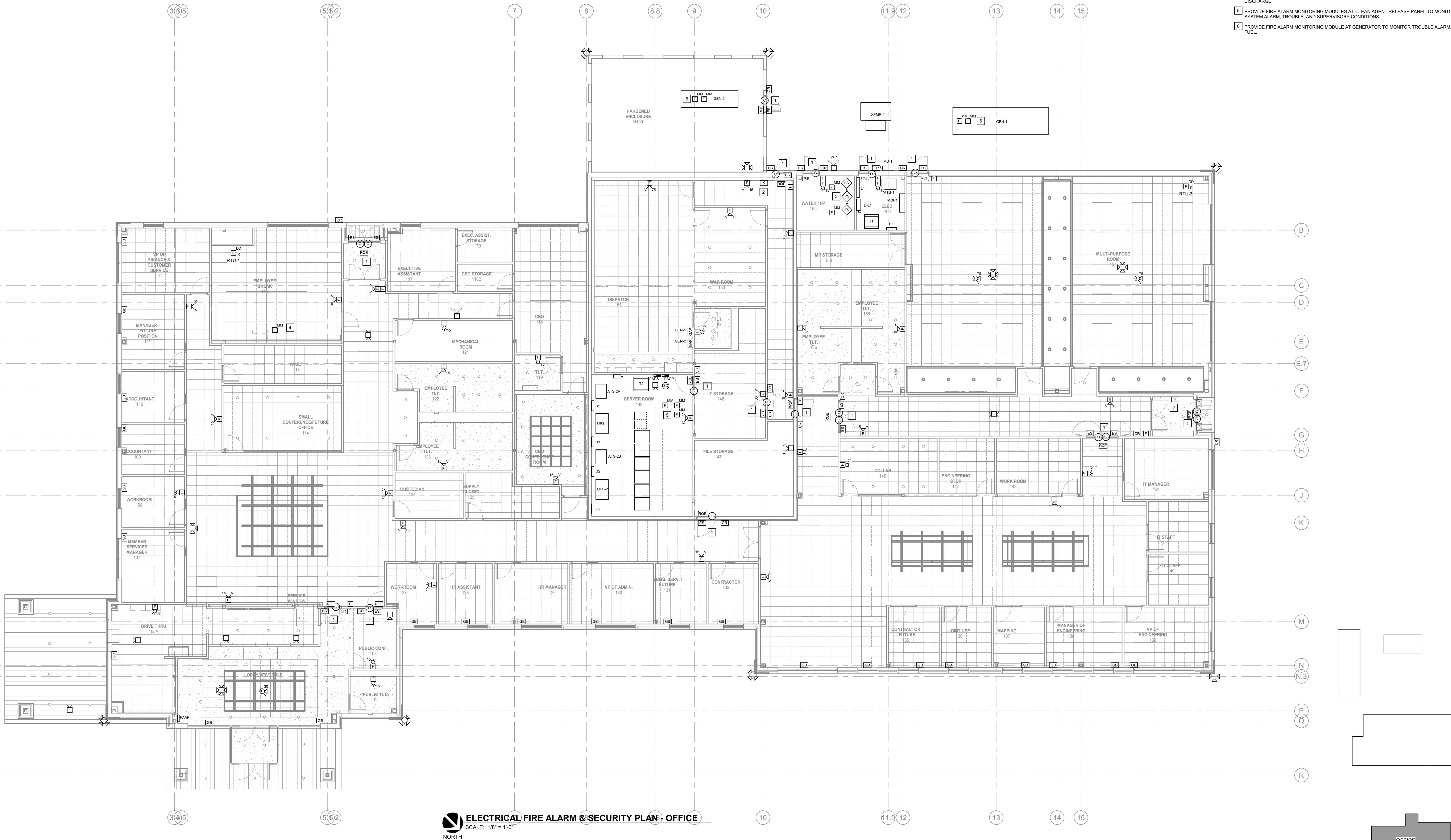
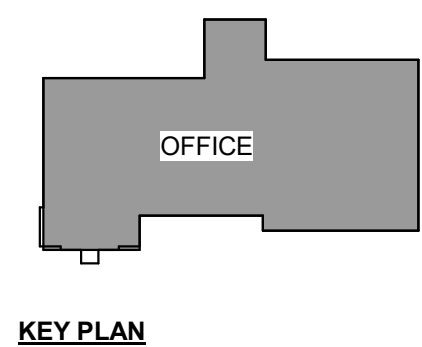
## ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL ACCESS CONTROL, SECURITY & VIDEO SURVEILLANCE REQUIREMENTS.
4. PROVIDE 120V POWER AND LOW VOLTAGE ROUGH-INS FOR DOOR ACCESS CONTROL AND SECURITY DEVICES AS REQUIRED COORDINATE WITH APPLICABLE TRADES. REFER TO DOOR HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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## ELECTRICAL KEYED NOTES:

- 1 REFER TO DETAILS ON E0.8 AND E0.9 FOR ACCESS CONTROL DEVICES, BOXES, CONDUITS AND CABLES.
- 2 PROVIDE CONTROL PANEL OF BURGLAR ALARM SYSTEM.
- 3 PROVIDE PRESSURE, FLOW, AND TAMPER SWITCHES WITH MONITORING MODULES FOR FIRE SPRINKLER SYSTEM PER FIRE PROTECTION DRAWINGS. COORDINATE EXACT LOCATION AND QUANTITY WITH FGP.
- 4 PROVIDE FIRE ALARM MONITORING MODULE AT KITCHEN HOOD TO MONITOR EXTINGUISHANT DISCHARGE.
- 5 PROVIDE FIRE ALARM MONITORING MODULES AT CLEAN AGENT RELEASE PANEL TO MONITOR SYSTEM ALARM, TROUBLE, AND SUPERVISORY CONDITIONS.
- 6 PROVIDE FIRE ALARM MONITORING MODULE AT GENERATOR TO MONITOR TROUBLE ALARM, LOW FUEL.

ELECTRICAL FIRE ALARM & SECURITY PLAN - OFFICE  
SCALE: 1/8" = 1'-0"  
NORTH

SSC JOB# 2025456



## ARCHITECT:

Mitchell and Hugesback Architects, Inc.  
D.B.A. M+H Architects  
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## CONSULTANT:

SSC Engineering, Inc.

Michael K. Swim Consulting Engineer, Inc.  
D.B.A. SSC Engineering, Inc.  
18207 Edison Ave.  
St. Louis, MO 63005  
636-530-7770  
Corporate License No.: 001244



## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS

CAMBELLSVILLE, KY 42718



JEFFREY A. HUETTENMEYER

Professional Engineer  
KY LIC#: 26212  
EXP: 06/30/2027



08/20/2026

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Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL  
EQUIPMENT PLAN -  
OPERATIONS

E4.1

## ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.

2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DURING THE WORK. ANY CORRECTIONS TO ANY OF THE ABOVE SHALL BE AT THAT CONTRACTOR'S EXPENSE.

3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE EC. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULE(S) FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURERS SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.

4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.

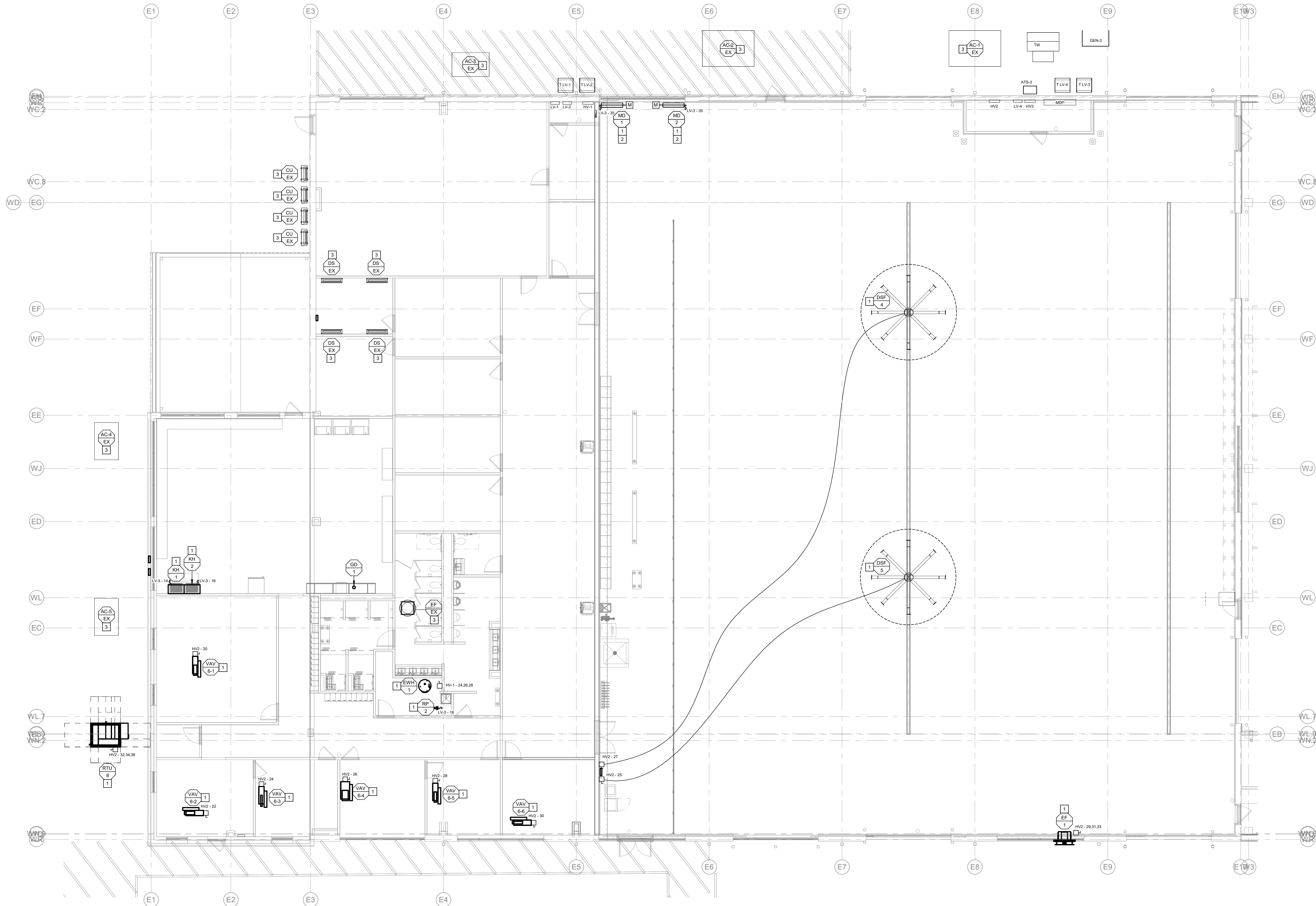
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.

## ELECTRICAL KEYED NOTES:

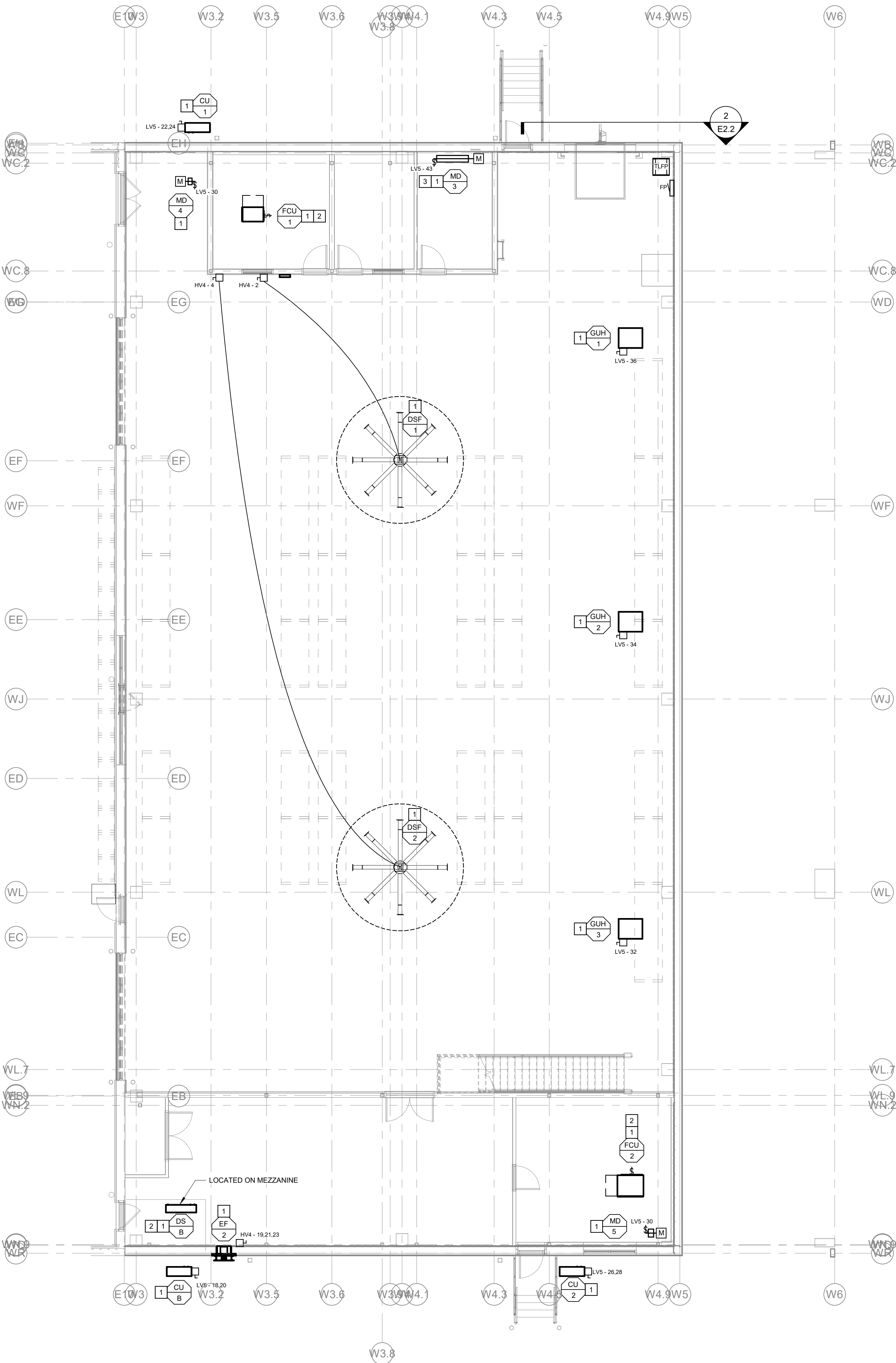
1. PROVIDE POWER CONNECTION TO EQUIPMENT AS INDICATED.

2. PROVIDE 120V TO MD THROUGH TCC PROVIDE RELAY TO INTERLOCK MD WITH EF SO THAT DAMPER IS OPEN WHEN EF-1 IS ON AND CLOSED WHEN EF-1 IS OFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES. REFER TO DETAIL 28E0.8.

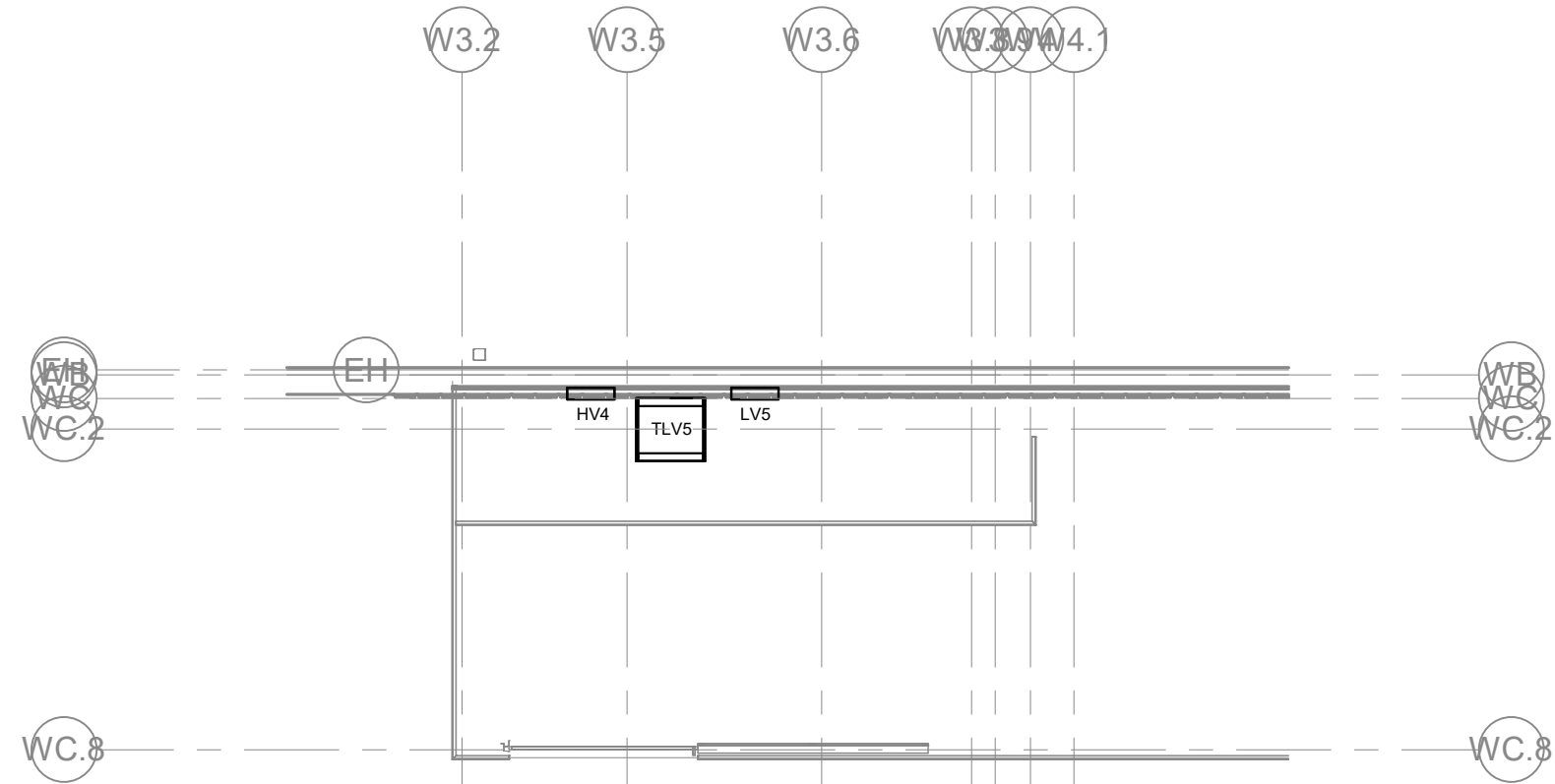
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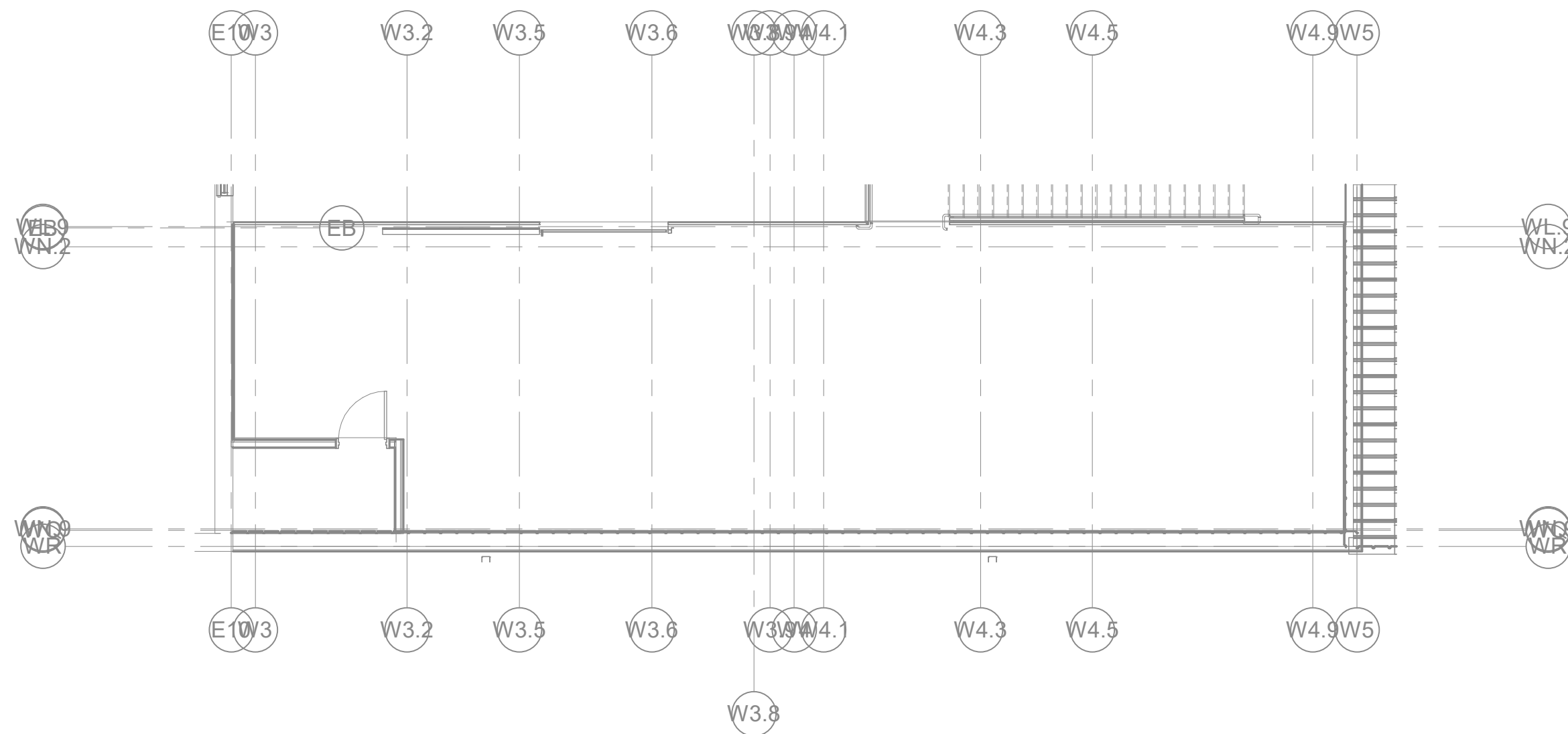




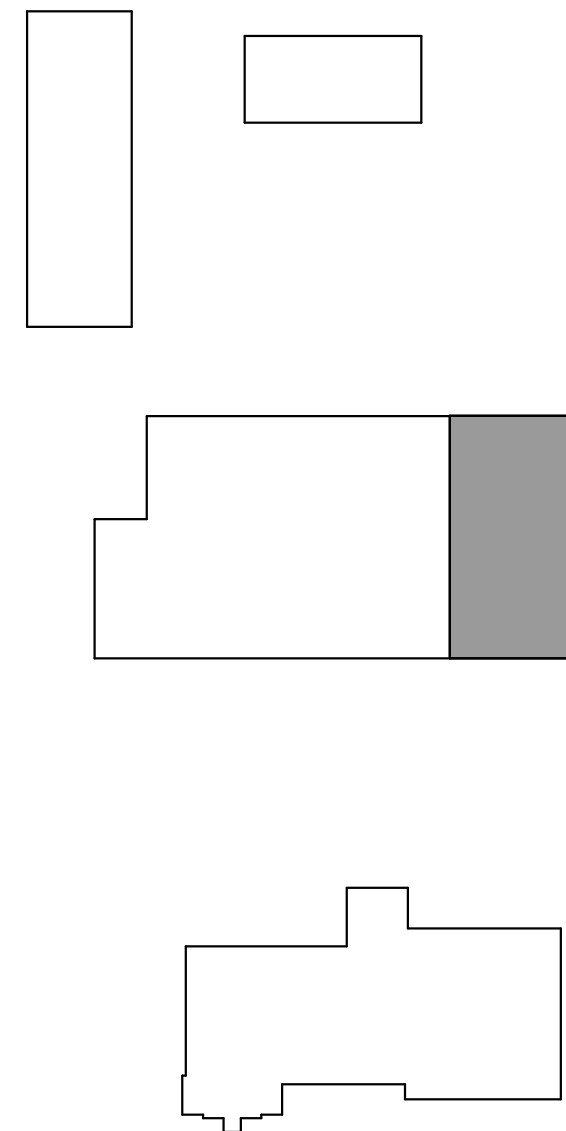
**ELECTRICAL EQUIPMENT PLAN - WAREHOUSE**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL EQUIPMENT PLAN - MEZZANINE WAREHOUSE WEST**  
SCALE: 1/8" = 1'-0"  
NORTH



**ELECTRICAL EQUIPMENT PLAN - MEZZANINE WAREHOUSE EAST**  
SCALE: 1/8" = 1'-0"  
NORTH



KEY PLAN

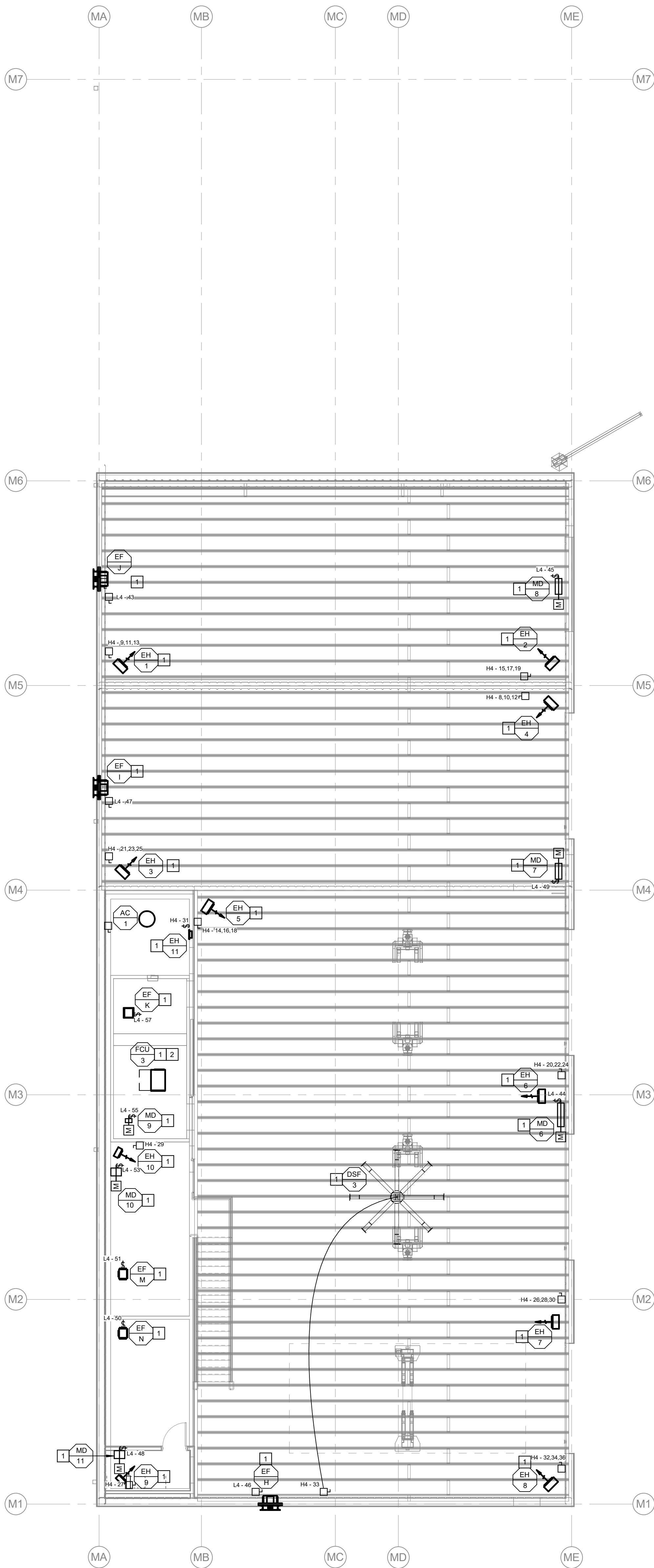
**ELECTRICAL GENERAL NOTES:**

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2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS TO ANY OF THE ABOVE SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE EC. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULES FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.

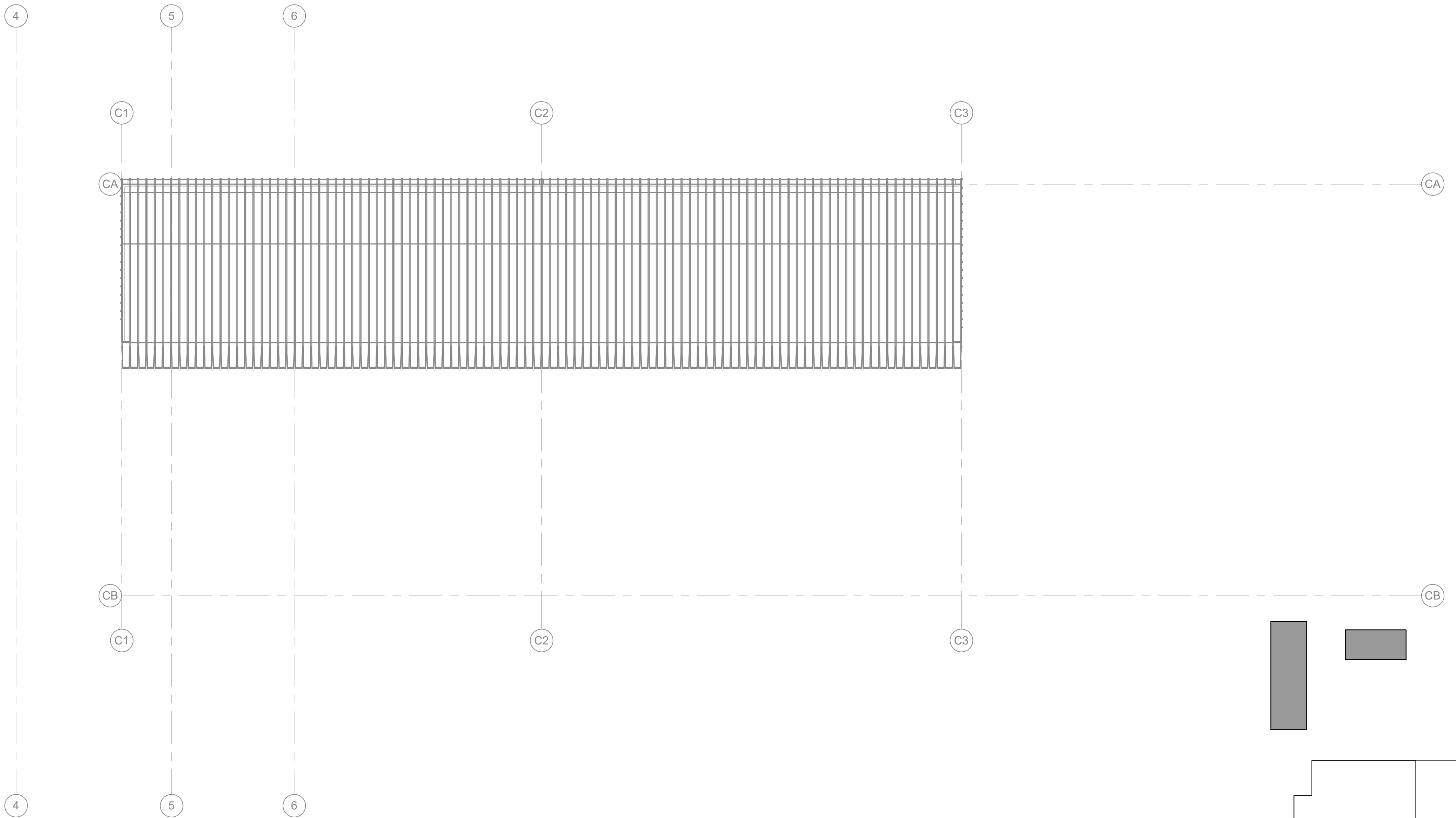
**ELECTRICAL KEYED NOTES:**

- 1 PROVIDE POWER CONNECTION TO EQUIPMENT AS INDICATED.
- 2 INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT. PROVIDE 2-POLE SWITCH FOR DISCONNECTING INDOOR UNIT AS REQUIRED. COORDINATE WITH MC.
- 3 PROVIDE 120V TO MD THROUGH TCC. PROVIDE RELAY TO INTERLOCK MD WITH EF SO THAT DAMPER IS OPEN WHEN EF-5 IS ON AND CLOSED WHEN EF-5 IS OFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH APPLICABLE TRADES. REFER TO DETAIL 29/E0.8.





**SSC FIRST FLOOR EQUIPMENT PLAN - MAINTENANCE**  
SCALE: 1/8" = 1'-0"  
NORTH



**SSC FIRST FLOOR EQUIPMENT PLAN - COVERED VEHICLE STORAGE**  
SCALE: 1/8" = 1'-0"  
NORTH

KEY PLAN

**ELECTRICAL GENERAL NOTES:**

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
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4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.

**ELECTRICAL KEYED NOTES:**

1. PROVIDE POWER CONNECTION TO EQUIPMENT AS INDICATED.
2. INDOOR UNIT POWERED BY OUTDOOR UNIT. COORDINATE WITH MC.



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## TAYLOR COUNTY RECC

685 WATER TOWER BYPASS

CAMBELLSVILLE, KY 42718



JEFFREY A. HUETTENMEYER

Professional Engineer  
KY LIC#: 26212  
EXP: 06/30/2027

08/20/2026

The Seal and Signature apply only to the Document to which they are Affixed, and Expressly Disclaim any Responsibility for all other Plans, Specifications, Estimates, Reports, or other Documents or Instruments relating to or intended to be used for any part or parts of the Architectural or Engineering Project.  
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## REVISION:

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|-----------------------------|------------|
| 100% CONSTRUCTION DOCUMENTS | 08/20/2026 |
|-----------------------------|------------|

Sheet Issue Date: 08/20/2026

Job Number: 250120.00

Drawn By: KWS

Checked By: JAH

Drawing Title:

ELECTRICAL  
EQUIPMENT PLAN -  
OFFICE

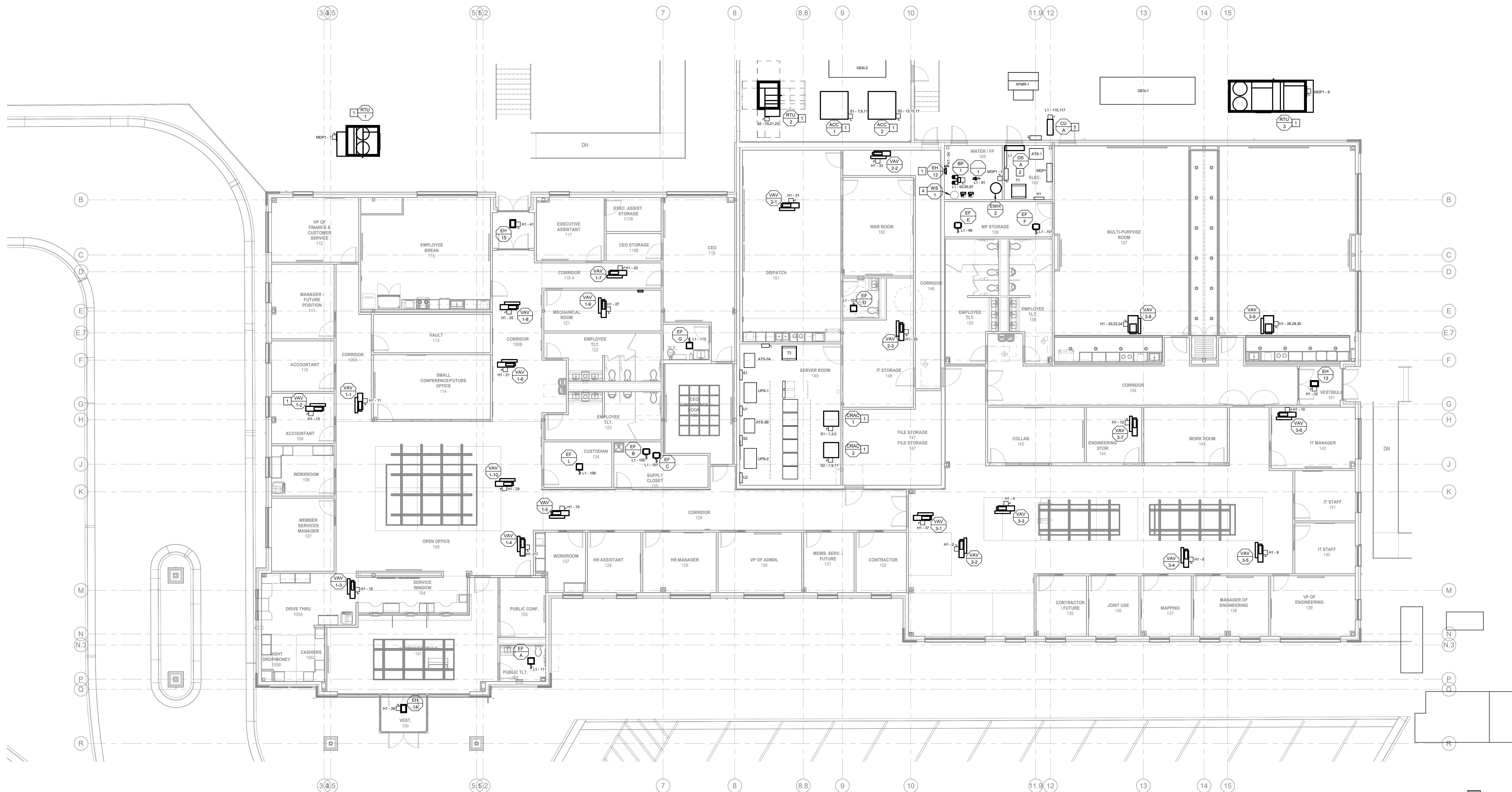
E4.4

## ELECTRICAL GENERAL NOTES:

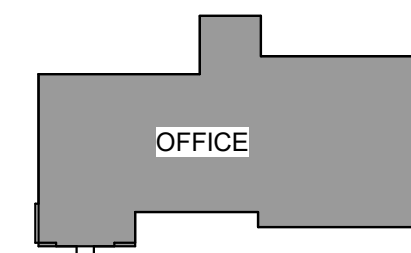
1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS TO ANY OF THE ABOVE SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE EC. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULES FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.

## ELECTRICAL KEYED NOTES:

- 1] PROVIDE POWER CONNECTION TO EQUIPMENT AS INDICATED.
- 2] INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE 2-POLE SWITCH FOR DISCONNECTING INDOOR UNIT AS REQUIRED. COORDINATE WITH MC.
- 3] PROVIDE POWER TO EF THROUGH 2-POLE OCCUPANCY SENSOR WITH TWO DEDICATED CONDUITS. ONE FOR 120V CONDUCTORS AND ONE FOR 277V.
- 4] REFER TO SHEET E2.4 FOR POWER CONNECTION



ELECTRICAL EQUIPMENT PLAN - OFFICE  
SCALE: 1/8" = 1'-0"



KEY PLAN

SSC JOB# 2025456