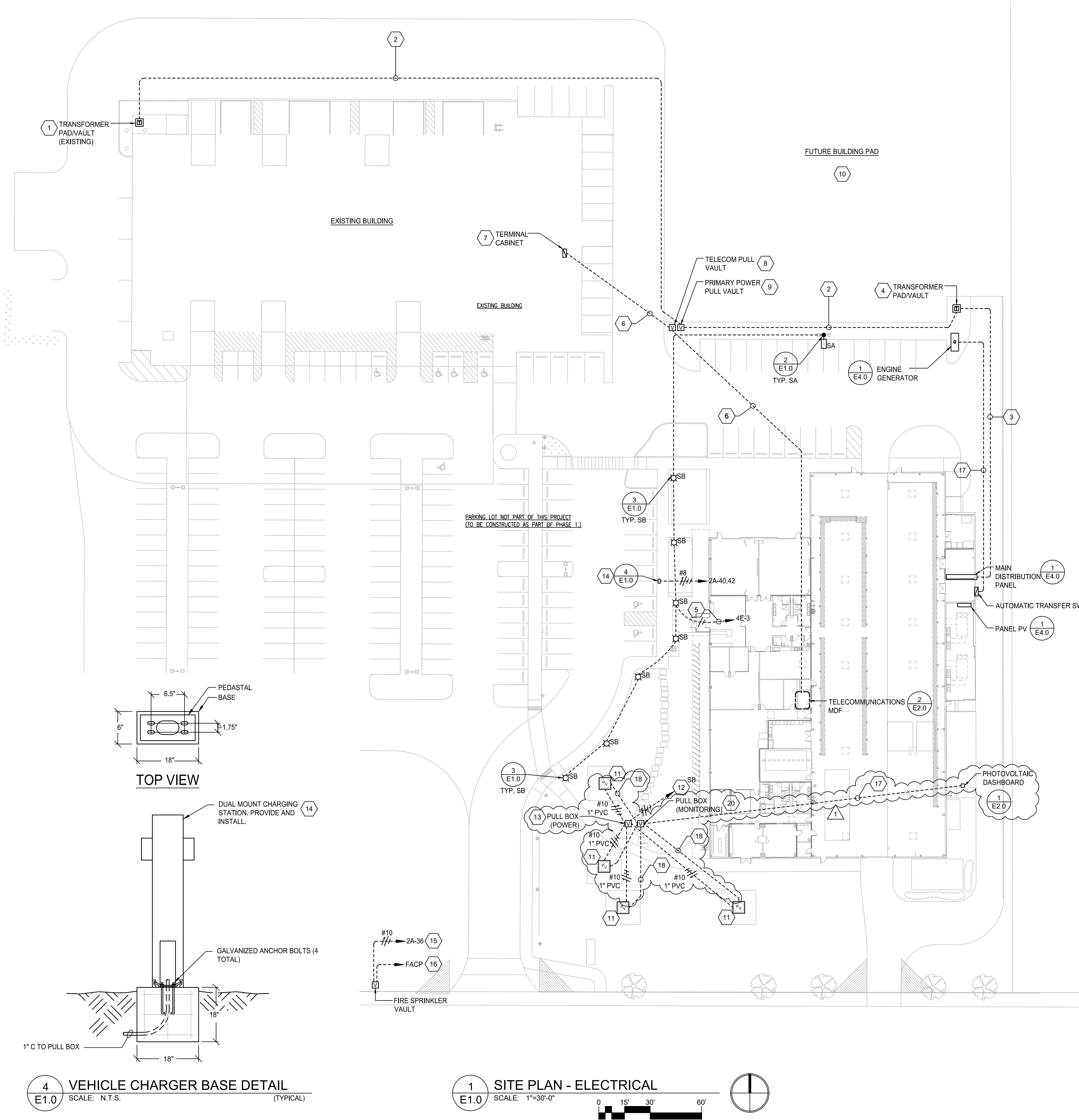
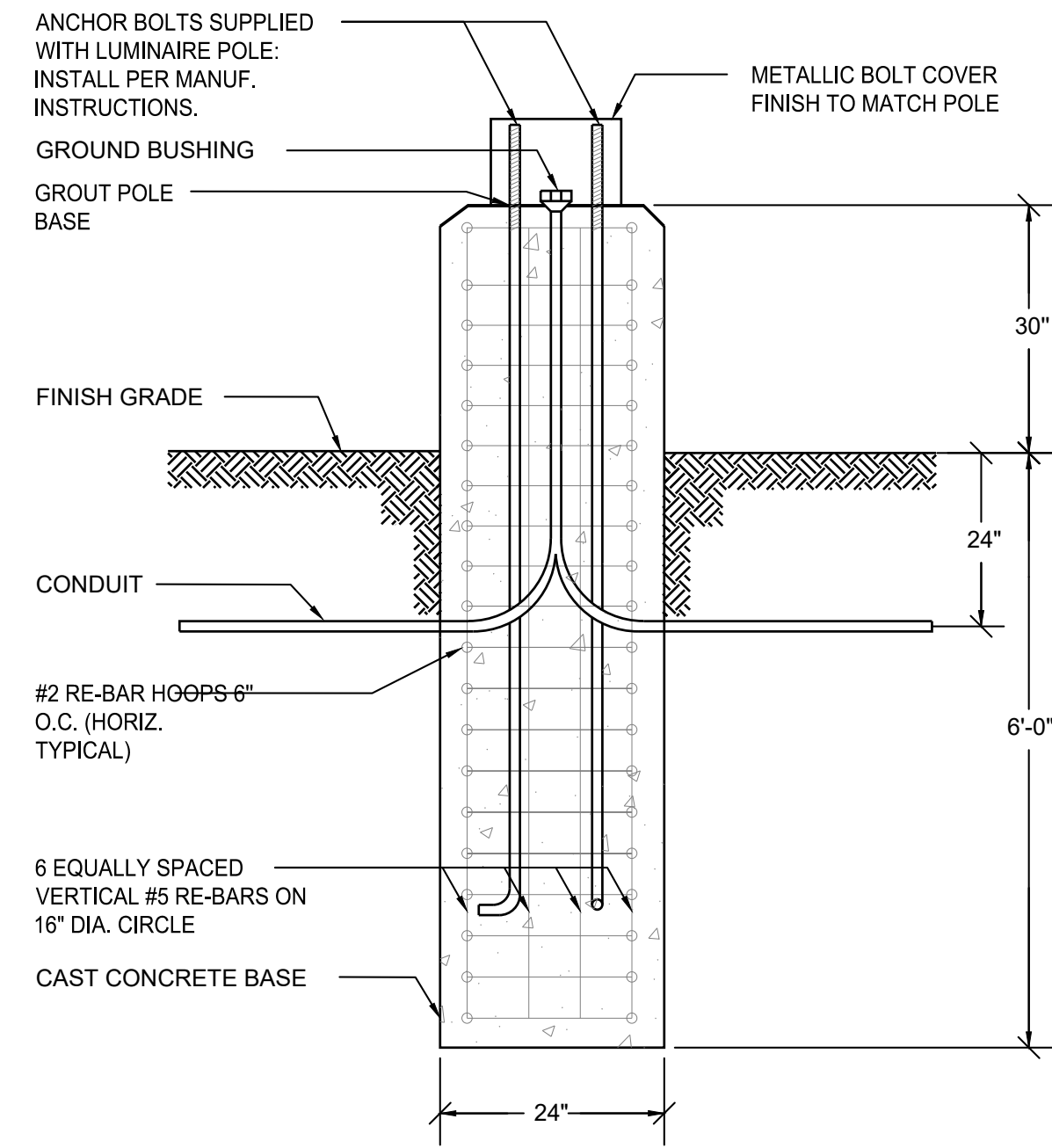


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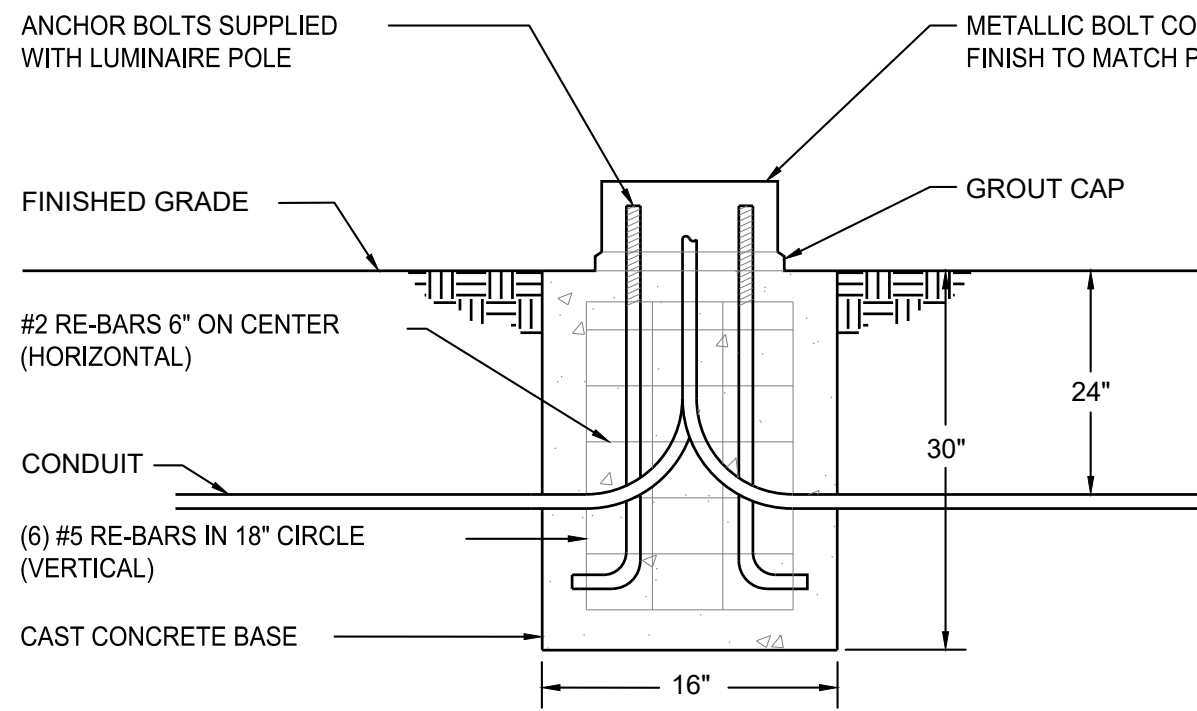


KEYED NOTES:

- EXTEND PRIMARY CONDUIT TO VAULT UNDER EXISTING TRANSFORMER PAD. COORDINATE WITH UTILITY FOR PROCEDURE AND TIMING TO TERMINATIONS.
- PROVIDE AND INSTALL PRIMARY CONDUIT AS OUTLINED ON ONE-LINE POWER DISTRIBUTION DIAGRAM. 1/E4.0.
- PROVIDE AND INSTALL SECONDARY CONDUCTORS/CONDUIT AS OUTLINED ON ONE-LINE POWER DISTRIBUTION DIAGRAM.
- PROVIDE AND INSTALL PAD/VAULT AS DIRECTED BY COLUMBIA RIVER PUD. TRANSFORMER PROVIDED/INSTALLED BY COLUMBIA RIVER PUD.
- ROUTE VIA EXTERIOR LIGHTING CONTROLLER. SEE ONE-LINE.
- PROVIDE AND INSTALL (3) 3" PVC CONDUITS BETWEEN BUILDINGS FOR TELECOMMUNICATIONS, SECURITY AND FIRE ALARM.
- PROVIDE AND INSTALL 24" X 24" X 12" WALL MOUNTED NEMA 3R PULL-BOX. PROVIDE HINGED AND LOCKABLE COVER. EXTEND (3) 3" EMT INTO CEILING SPACE OF ACCESSIBLE CEILING OF EXISTING BUILDING.
- PROVIDE AND INSTALL UTILITY VAULT 25-TA WITH 25P DIAMOND PLATE LID FOR TELECOM.
- PROVIDE AND INSTALL UTILITY VAULT 660 VAULT WITH 64-352P TOP FOR PRIMARY CONDUCTORS.
- ALL CONDUIT, VAULTS, ETC. SHALL BE KEPT CLEAR OF FUTURE BUILDING PAD. COORDINATION WITH OWNER REQUIRED PRIOR TO INSTALLATION.
- 3.8KW, 240V, 1 PHASE PHOTOVOLTAIC ARRAY. FOOTING AND ARRAY WILL BE PROVIDED BY OTHERS AND CONNECTED COMPLETELY BY ELECTRICAL CONTRACTOR SEE ONE-LINE RISER DIAGRAM.
- EXTEND FOUR 30A, 480V, SINGLE-PHASE FEEDERS TO PANEL PV. INSTALL CONDUCTORS IN 2" PVC TO PANEL PV. SEE ONE-LINE RISER DIAGRAM.
- PROVIDE AND INSTALL 12" X 18" X 36" FIBER/POLY PULL BOX. PROVIDE CONCRETE LID LABELED "PHOTOVOLTAIC".
- PROVIDE AND INSTALL ELECTRIC VEHICLE CHARGING STATION AND CONCRETE BASE. CHARGING STATION SHALL BE 240V, 1 PHASE, 40 AMP. ONE 40A, 240V, 1 PHASE FOR (2) CHARGERS, 23 FOOT CORD. CHARGEPOINT CT4021 W/23 FT. CORD OR APPROVED EQUIVALENT
- PROVIDE 120V, 20A DEDICATED CIRCUIT FOR SUMP PUMP IN SPRINKLER VAULT.
- PROVIDE FIRE ALARM CONNECTION TO MONITOR TRAMPER SWITCH IN SPRINKLER VAULT.
- EMERGENCY POWER FEEDERS. SEE ONE-LINE RISER DIAGRAM.
- PROVIDE 1 1/2" PVC TO PV DASHBOARD ADJACENT TO RESTROOMS.
- PROVIDE 1" PVC FROM PHOTOVOLTAIC ARRAY AND PULL BOX.
- PROVIDE 12" X 12" X 12" DEEP PULLBOX FOR PHOTOVOLTAIC MONITORING CABLES.



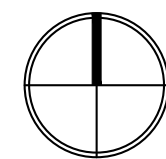
2 POLE BASE DETAIL
SCALE: N.T.S.



3 POLE BASE DETAIL
SCALE: N.T.S.

4 VEHICLE CHARGER BASE DETAIL
SCALE: N.T.S. (TYPICAL)

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



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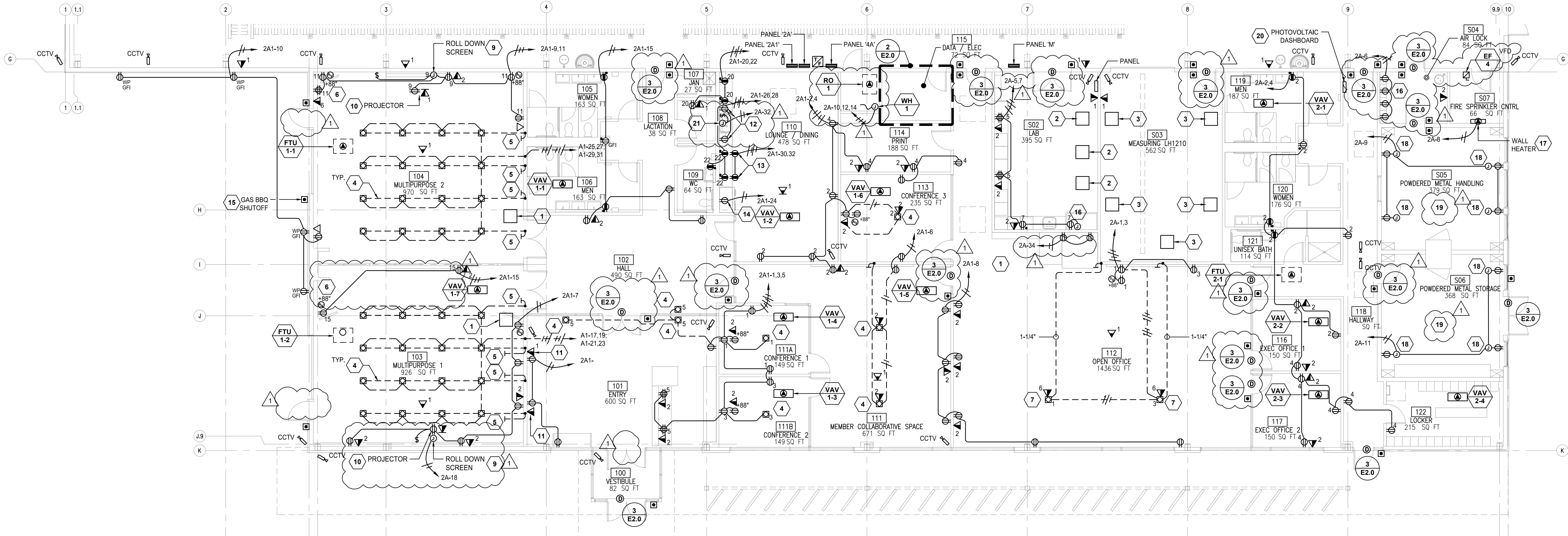
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SITE PLAN
- ELECTRICAL

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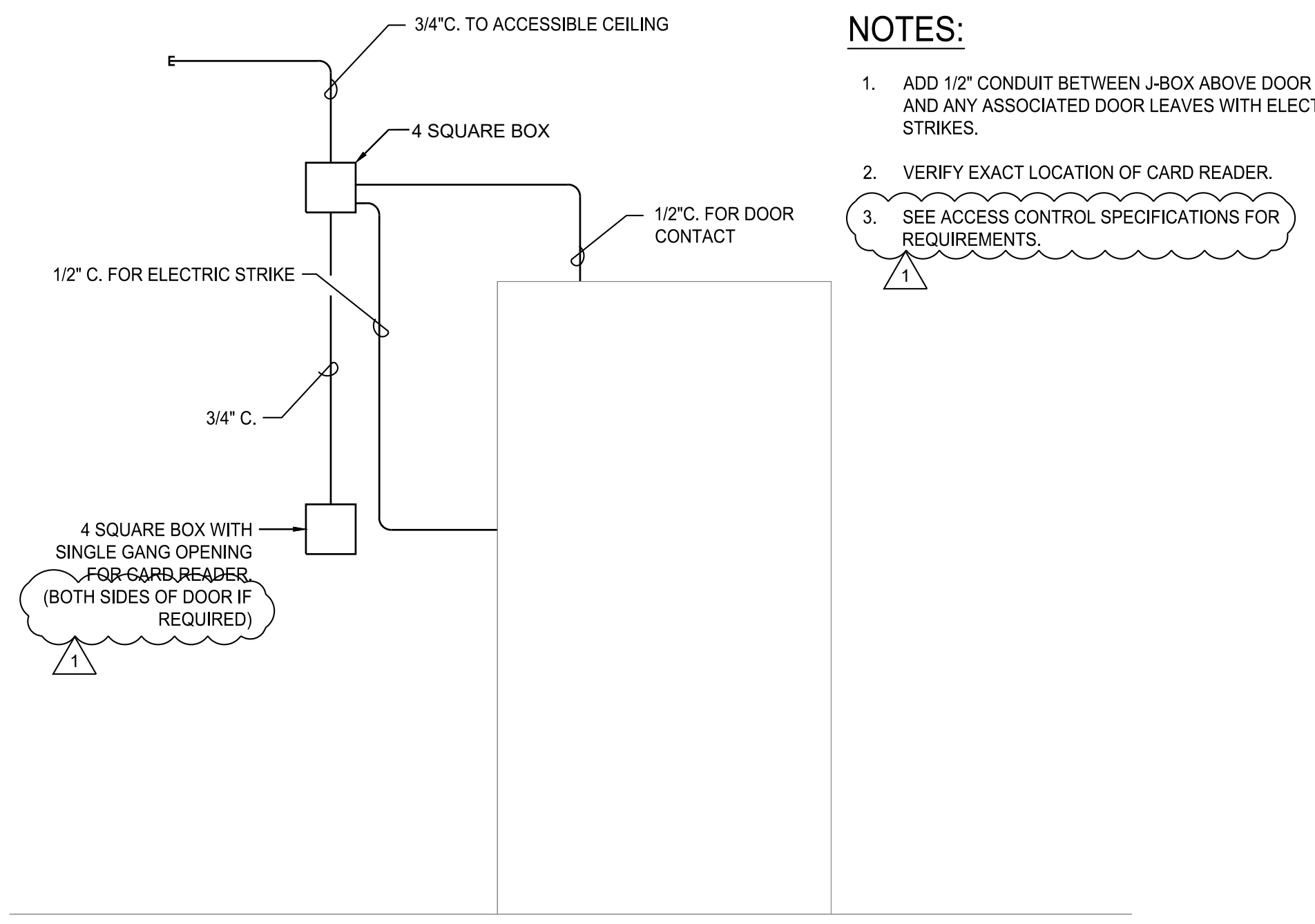
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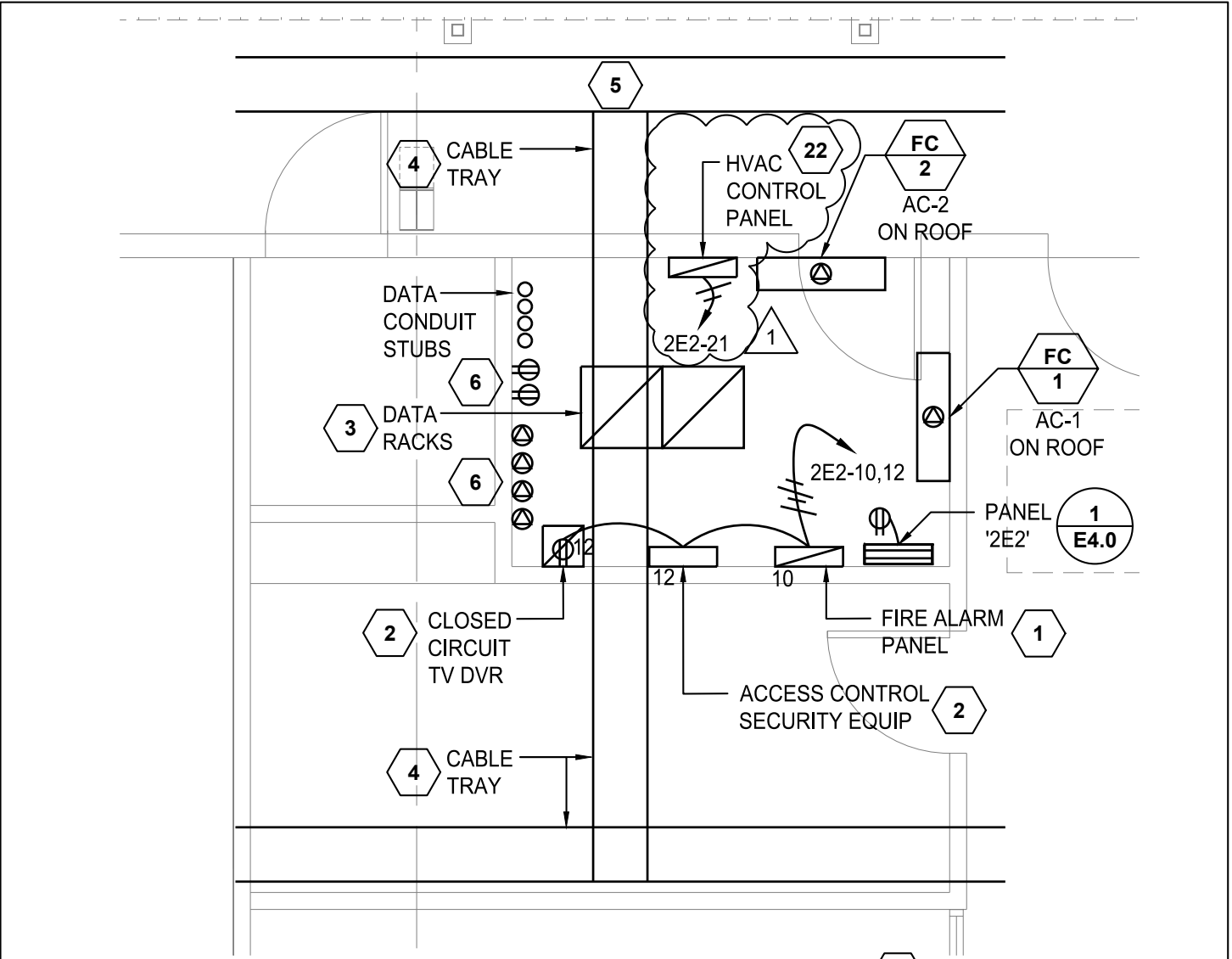
1
 E2.0 FLOOR PLAN WEST - POWER & SIGNAL PLAN
 SCALE: 1/8"=1'-0"

KEYED NOTES:

- PROVIDE AND INSTALL THE FOLLOWING DEVICES/DATA IN CEILING MOUNTED STEEL PLATE W/KO'S. PROVIDE CIRCUITS: SEE PANEL SCHEDULE.
 - 2 NEMA 5-15R (1-20A CIRCUIT)
 - NEMA L5-20R (1-20A CIRCUIT)
 - NEMA L6-20R (1-20A CIRCUIT)
 - 2 NEMA L11-20R (1-20A CIRCUIT)
 - NEMA L11-30R (1-30A, 120V CIRCUIT)
 - 2 CAT6 JACKS/CABLES
- PROVIDE AND INSTALL THE FOLLOWING DEVICES/DATA IN CEILING MOUNTED STEEL PLATE W/KO'S. PROVIDE CIRCUITS: SEE PANEL SCHEDULE.
 - 2 NEMA 5-15R (1-20A CIRCUIT)
 - NEMA L5-15R (1-20A CIRCUIT)
 - NEMA L6-15R (1-20A CIRCUIT)
 - NEMA L6-20R (1-20A, 480V, 3Ø CIRCUIT)
 - 2 CAT6 JACKS/CABLES
- PROVIDE AND INSTALL THE FOLLOWING DEVICES/DATA IN CEILING MOUNTED STEEL PLATE W/KO'S. PROVIDE CIRCUITS:
 - 2 NEMA 5-15R (1-20A CIRCUIT)
 - NEMA L5-15R (1-20A CIRCUIT)
 - 2 CAT6 JACKS/CABLES
- PROVIDE AND INSTALL FLOOR BOX TO ACCOMMODATE 1-20A DUPLEX OUTLET AND 2 CAT6 DATA JACKS. TYP OF A TOTAL OF 32 FLOOR BOXES FOR 103 AND 104. PROVIDE 1" EMT BETWEEN BOXES TO ACCOMMODATE CAT6 CABLE INSTALLATION. PROVIDE 1" EMT TO EACH BOX FOR POWER. 4 FLOOR BOXES PER 20A CIRCUIT. HUBBELL S1SFB BOX, S1FCBRS COVER, WITH S1SP SUB PLATE.
 - 1 QUAD OUTLET
 - 4 CAT6 CABLES
 - SINGLE GANG SPACE FOR WHISKER PLATE/SOUND CABLES
- STUB 1 1/2" EMT TO ACCESSIBLE CEILING AREA FOR EACH 4 FLOOR BOXES.
 - 3 DUPLEX RECEPTACLES
 - 6 CAT6 CABLES
 - PROVIDE AND INSTALL COMPLETE
- PROVIDE AND INSTALL 8 GANG FLOOR BOX FOR THE FOLLOWING:
 - 3 DUPLEX RECEPTACLES
 - 6 CAT6 CABLES
 - PROVIDE AND INSTALL COMPLETE
- SEE SPECIFICATIONS FOR DATA RACK INFORMATION.
- PROVIDE 120V, 20A CONNECTION TO OVERHEAD SCREEN. PROVIDE 1" EMT TO CONTROL STATION AND INSTALL ALL CONDUCTORS FOR UP-DOWN-STOP OPERATION. CONTROL STATION PROVIDED WITH SCREEN.
- PROVIDE 120V CONNECTION TO PROJECTOR. PROVIDE RAPID-PULL CONTROL CABLE BETWEEN PROJECTOR TO PODIUM STATION (NOTE 6).
- PROVIDE POWER AND DATA TO WALL MONITORS. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE 120V, 20A CIRCUITS FOR DISHWASHER.
- PROVIDE 120V, 20A CIRCUITS FOR MICROWAVES. SEE ARCHITECTURAL ELEVATIONS.
- PROVIDE 120V, 20A CIRCUIT FOR REFRIGERATOR.
- PROVIDE BACK-BOX AND 1" CONDUIT TO GAS SOLENOID AT EACH FIRE FIT. PROVIDE "EMERGENCY" GAS SHUT OFF PUSH BUTTON AND ASSOCIATED CONTROL CONDUCTORS TO EACH SOLENOID.
- PROVIDE DUPLEX RECEPTACLE IN EACH LOCKER FOR RESPIRATOR CHARGERS.
- PROVIDE AND INSTALL 1000W, 120V WALL HEATER. INTEGRAL THERMOSTAT. SET AT 45 DEGREES. CADET, KING, OR APPROVED EQUAL.
- PROVIDE AND INSTALL KILLARC KRAJC-220 120V, 20A RECEPTACLES FOR HAZARDOUS LOCATION USE. PROVIDE EXPOSED RIGID STEEL CONDUIT AT EACH LOCATION TO SEAL OFF LOCATED ABOVE CEILING. NO HORIZONTAL CONDUIT ALLOWED IN ROOM. ENTIRE INSTALLATION SHALL BE RATED FOR HAZARDOUS LOCATION USE.
- ROOMS 505 AND 506 HAVE ANTI-STATIC FLOORS THAT WILL NEED TO BE GROUNDED BY ELECTRICAL CONTRACTOR. EITHER PROVIDE CU GROUND CONDUCTOR (#10) TO STRUCTURAL STEEL OR BOND TO SYSTEM GROUND BUS.
- INSTALL PHOTOVOLTAIC READOUT MONITOR AND MONITORING CABLES. COORDINATE WITH PHOTOVOLTAIC INSTALLER.
- PROVIDE 120V, 20A DEDICATED CIRCUIT FOR GARBAGE DISPOSAL. PROVIDE ON/OFF SWITCH ABOVE BACKSPASH.
- PROVIDE 120V, 20A CIRCUIT FOR HVAC DDC CONTROL PANEL.



3
 E2.0 CARD READER ROUGH-IN FOR DOORS WITH ELECTRIC STRIKE
 SCALE: N.T.S.



2
 E2.0 MDF ROOM - ELECTRICAL
 SCALE: 1/4"=1'-0"

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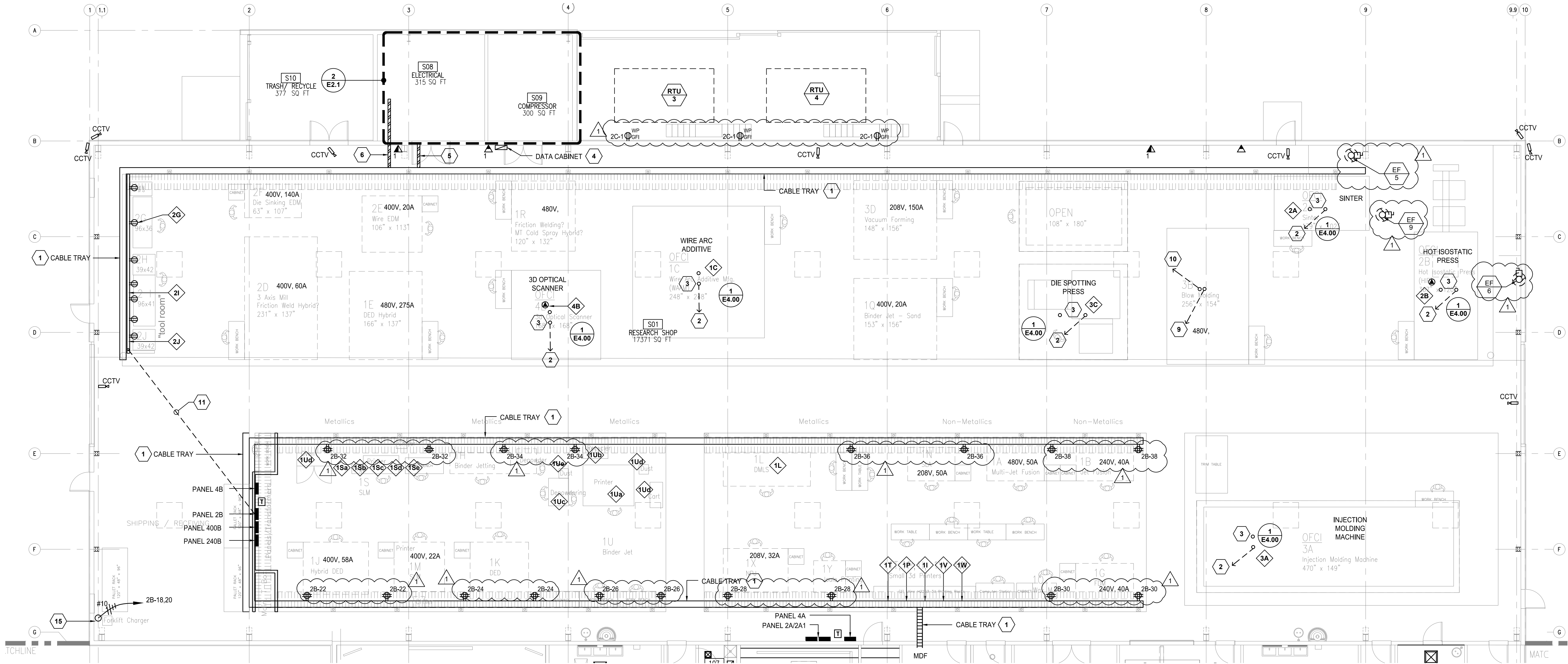
FLOOR PLAN
WEST - POWER

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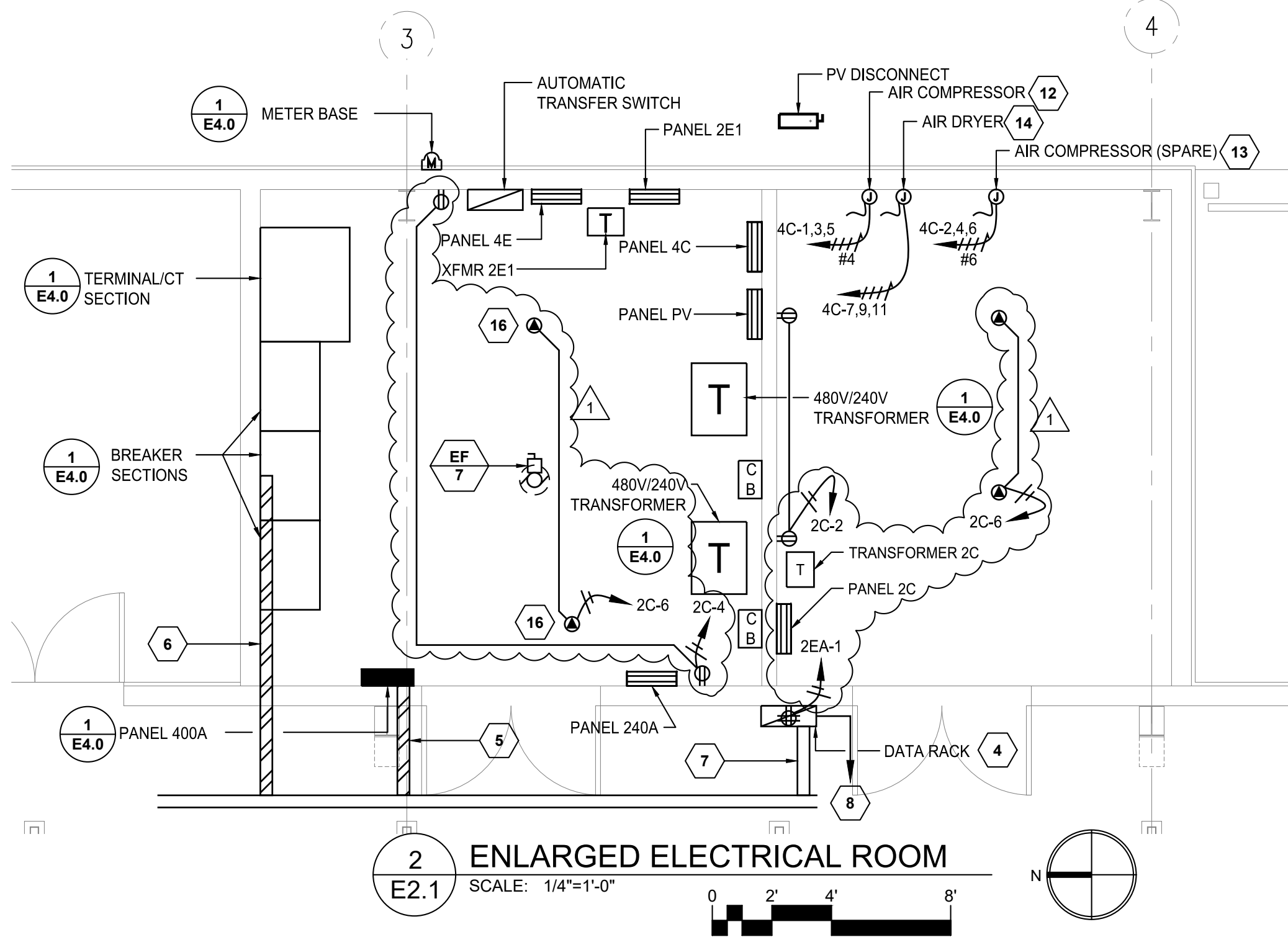
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1 FLOOR PLAN EAST - POWER
 SCALE: 1/8"=1'-0"



2 ENLARGED ELECTRICAL ROOM
 SCALE: 1/4"=1'-0"

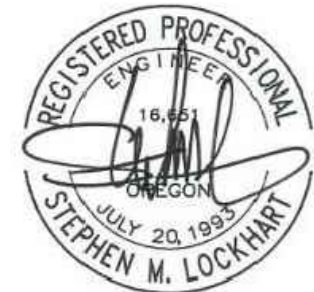
KEYED NOTES:

- PROVIDE AND INSTALL 24" WIDE X 4" DEEP WIRE MESH CABLE TRAY MOUNTED ON FLOOR MOUNTED INFRASTRUCTURE. INFRASTRUCTURE PROVIDED/INSTALLED BY GENERAL CONTRACTOR. CABLE TRAY PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. CABLE TRAY/STRUCTURE SHALL ACCOMMODATE 125LB/FT. PROVIDE SEPARATOR TO ALLOW 4" OF CABLE TRAY TO BE USED FOR TELECOM CABLES.
- PROVIDE 1-1/2" PVC TO MDF ROOM FOR TELECOM CABLES. PROVIDE (2) CAT-6 CABLES TO EACH MACHINE. COORDINATE WITH MACHINE INSTALLER TO CONFIRM TERMINATION.
- SEE ONE-LINE POWER DISTRIBUTION DIAGRAM FOR FEEDERS TO OUTLINE MACHINE COORDINATION WITH MACHINE INSTALLER AND INSTALLATION DATA PRIOR TO ANY ROUGH-IN.
- PROVIDE AND INSTALL WALL MOUNTED DATA RACK, 36" HIGH X 24" DEEP, TEMPERED GLASS FRONT. PROVIDE FAN/FILTER KIT. DOUBLE HINGE LOCKABLE DOOR. CHATSWORTH 11900-X36 W/40972 FILTER/FAN KIT. PROVIDE QUAD OUTLET ON DEDICATED 120V, 20A CIRCUIT.
- PROVIDE AND INSTALL 4" EMT FROM PANEL 400A TO SIDE OF OVERHEAD CABLE TRAY.
- PROVIDE AND INSTALL (4) 4" EMT FROM 480V BREAKER SECTION IN MAIN DISTRIBUTION PANEL TO SIDE OF OVERHEAD CABLE TRAY.
- PROVIDE 12" WIDE X 4" DEEP MESH TRAY TO SIDE OF OVERHEAD CABLE TRAY.
- EXTEND (2) 2" EMT TO MDF ROOM.
- PROVIDE 1-1/2" PVC TO MDF ROOM.
- PROVIDE 2" PVC CONDUIT TO MAIN DISTRIBUTION PANEL. STUB-UP UNDER FUTURE BREAKER SECTION.
- PROVIDE (2) 2" PVC FROM PANEL 2B TO TOOL ROOM AREA. CONFIRM EXACT LOCATION OF STUB-UP.
- PROVIDE CONNECTION TO 50HP, 480V, 3 PHASE AIR COMPRESSOR. CONFIRM CONNECTION WITH OWNER SUPPLIED COMPRESSOR. PROVIDE DISCONNECT.
- PROVIDE CIRCUIT FOR FUTURE 30HP, 480V AIR COMPRESSOR. PROVIDE CONDUCTORS COILED IN 8" X 8" X 4" JUNCTION BOX. PROVIDE DISCONNECT.
- PROVIDE 20A, 480V, 3 PHASE CIRCUIT FOR AIR DRYER.
- PROVIDE 208V, 30A, SINGLE-PHASE OUTLET FOR BATTERY CHARGER. CONFIRM CONNECTION WITH OWNER EQUIPMENT PRIOR TO ORDERING.
- PROVIDE 120V POWER TO DAMPER ACTUATORS.

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FLOOR PLAN
 EAST - POWER

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