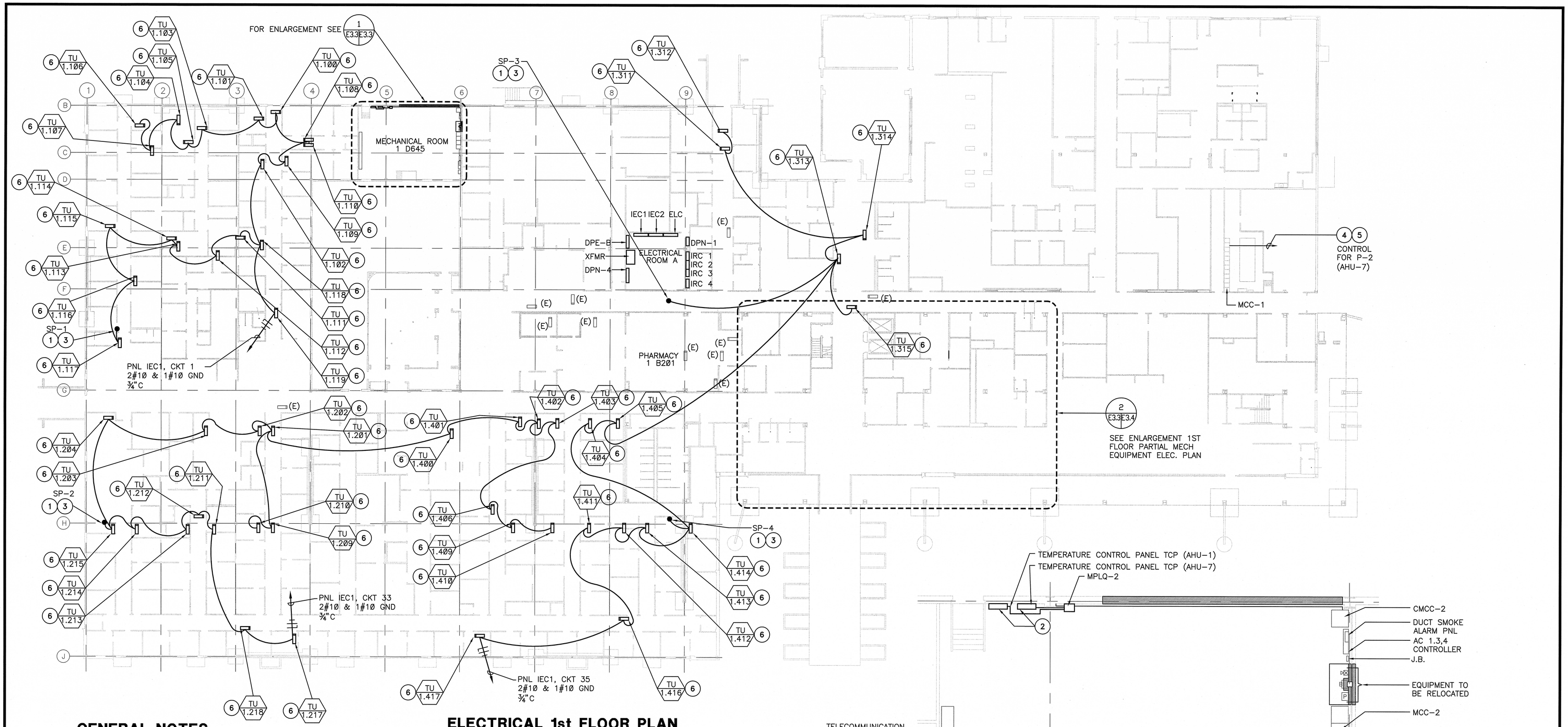


ELECTRICAL 1st FLOOR PLAN

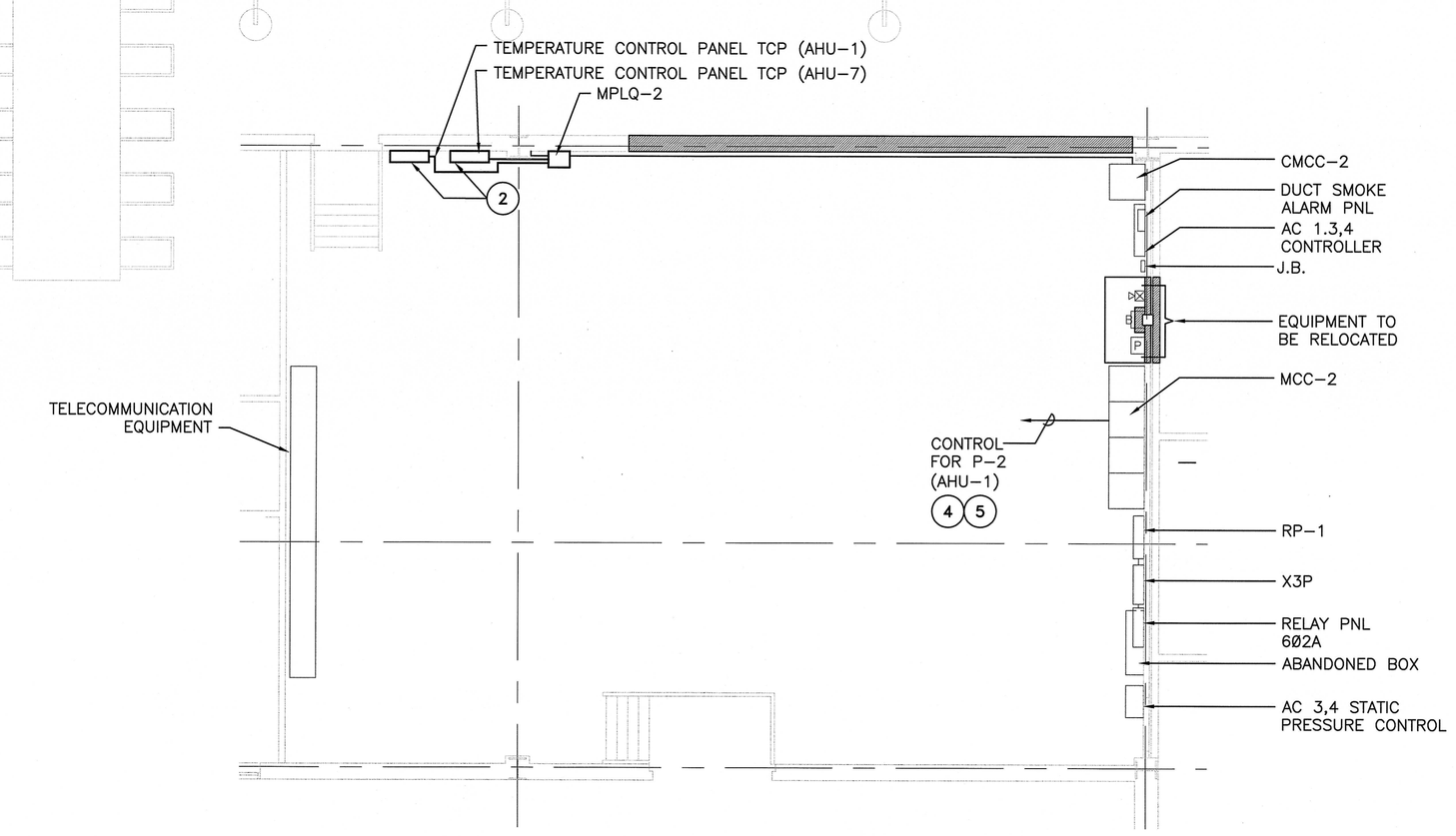
SCALE: NONE

GENERAL NOTES:

1. FOR SIMPLICITY AND CLARITY BRANCH FEEDER CONDUIT AND WIRES IS NOT SHOWN ON THE DRAWING. ONLY CIRCUIT NUMBER TO THE EQUIPMENT AND HOMERUNS ARE SHOWN. CONTRACTOR SHALL PROVIDE AND INSTALL BRANCH FEEDER CONDUITS, OUTLET BOXES, WIRE AND JUNCTION BOXES FOR NEW WIRING INSTALLATION.
2. MINIMUM WIRE SIZE SHALL BE AWG #12 FOR POWER AND AWG #14 FOR CONTROL.
3. REFER TO MECHANICAL DRAWINGS FOR INFORMATION.
4. REFER TO SINGLE LINE DRAWINGS FOR DETAILS.
5. TEMPERATURE CONTROL PANEL LOCATED IN THE MECHANICAL ROOM. SEE MECHANICAL DRAWINGS.
6. MAINTAIN WORKING CLEARANCE SPACE PER NEC. COORDINATE WITH OTHER TRADES ON SPACE REQUIREMENTS.
7. CONTRACTOR SHALL VERIFY (E) CONDITIONS.
8. PROVIDE STEP-DOWN TRANSFORMER OR POWER CONVERSION EQUIPMENT. AS REQUIRED.
9. ROUTE CONDUITS BELOW ROOF AND PENETRATE THRU ROOF AT EQUIPMENT LOCATION, WHENEVER POSSIBLE.
10. CONTRACTOR SHALLL PROVIDE ALL CONDUITS AND WIRING PER MANUFACTURER'S RECOMMENDATION FOR ALL REQUIRED CONTROL, MONITORING, SIGNAL AND ALARM SYSTEMS.
11. PROVIDE CONDUIT & WIRING TO THERMOSTAT.
12. ~~CONTRACTOR SHALL SELECT A CLOSEST AVAILABLE EMERGENCY POWER PANELBOARD AND PROVIDE POWER TO DDC CONTROLLERS (AHU-1 & AHU-7).~~ 1

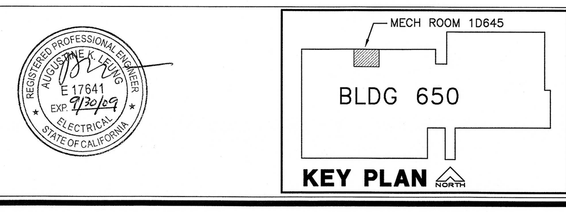
SHEET NOTES:

1. REMOVE (E) DUCT STATIC PRESSURE SENSOR'S POWER AND CONTROL CONDUITS AND WIRING. PROVIDE (N) POWER AND CONTROL CONDUITS AND WIRING PER MANUFACTURER'S RECOMMENDATION ON SENSORS CONTROL, MONITORING AND ALARM SYSTEMS. PROVIDE ALL REQUIRED POWER STEP DOWN/CONVERSION EQUIPMENT.
2. WIRE CONTROL AND POWER CIRCUITS AS REQUIRED. SEE MECHANICAL DWGS FOR REQUIREMENTS.
3. SEE MECHANICAL DWGS FOR SENSOR'S POWER AND CONTROL REQUIREMENTS.
4. PROVIDE ¾"C AND WIRING FOR CONTROL CIRCUIT.
5. WIRE CONTROL AND POWER CIRCUIT, PROVIDE POWER, AS REQUIRED. SEE MECHANICAL DWGS FOR REQUIREMENTS.
6. REMOVE (E) TU UNITS CONDUIT AND WIRING ON POWER AND CONTROL CIRCUITS. PROVIDE (N) CONDUITS AND WIRING PER MANUFACTURER'S RECOMMENDATION FOR ALL TU UNITS ON POWER CONTROL, MONITORING AND ALARM SYSTEMS. PROVIDE ALL REQUIRED POWER STEP-DOWN/CONVERSION EQUIPMENT.



1 E3.3 E3.3 MECH. ROOM 1D645 ELECTRICAL LAYOUT

SCALE: NONE



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Revisions: 1 DATED 11/10/08	Drawing Title: ELECTRICAL FLOOR PLAN	Project Title: BLDG 650 REPLACE AIR HANDLERS 1 THRU 4, 7 AND 9 – 15	Date: 08/25/08
			Project No.: 612A4-07-342
Approved:	Approved: Medical Center Director	Drawn: MSA	Building Number:
Approved:	Approved: Chief, Engineering Service	Checked: AL	Location: MATHER VAMC MATHER CALIFORNIA
			DRAWING No. E3.3 Dwg. Of

Department of Veterans Affairs

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