



1. REFER TO SHEET 1-E1 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES
2. NO NEW WORK SHALL BE FED FROM PANEL 402 H.
3. COORDINATE INSTALLATION OF NEW POWER FEEDS TO MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR.
4. REFER TO ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS DEVICES.
5. VFDS ARE FURNISHED BY OTHERS. ALL POWER WIRING IS DONE BY ELECTRICAL CONTRACTOR.
6. PROVIDE ALL 120 VOLT POWER OUTLETS THROUGHOUT AS NECESSARY FOR POWERING DOOR STRIKES, INTERCOMS, ETC., CONNECTED TO THE EXISTING CRITICAL CIRCUIT PANEL. "CP2A-1" IN ELECTRICAL ROOM 2C141. "CP2A-1" IN ELECTRICAL ROOM 2C141. REFER TO 1-E9 FOR EXISTING CRITICAL CIRCUIT PANEL LOCATION.

**1** NEW PANEL LOCATIONS.

- ① NEW PANEL LOCATIONS.
- ② PROVIDE 2#12 @ 12" IN 3/4" C FROM POWER PANEL '401'. AT CIRCUIT 29, TO INTEGRAL 24VAC TRANSFORMER (8VA LOAD) AT EACH VAV AND CAV (ONE 20 AMP CIRCUIT FOR ALL VAV AND CAV BOXES WITH THIS KEYNOTE). INSTALL JUNCTION BOX AND FLEXIBLE CONNECTION TO VAV OR CAV AT EACH LOCATION.
- ③ PROVIDE 2#12 @ 12" IN 3/4" C FROM POWER PANEL '406'. AT CIRCUIT 21, TO INTEGRAL 24VAC TRANSFORMER (8VA LOAD) AT EACH VAV AND CAV (ONE 20 AMP CIRCUIT FOR ALL VAV AND CAV BOXES WITH THIS KEYNOTE). INSTALL JUNCTION BOX AND FLEXIBLE CONNECTION TO VAV OR CAV AT EACH LOCATION.
- ④ NEW MOTOR CONTROL CENTER (SWCC) SHALL MATCH ALL CHARACTERISTICS AND INCLUDES: POWER DISTRIBUTION DEVICES AND MOTOR CONTROL DEVICES OF OLD MOTOR CONTROL CENTER. INCLUDE (2) 40-AMP, 3-POLE, CIRCUIT BREAKERS FOR FEEDERS TO NEW AIR HANDLER UNIT AH1-51, AND NEW MOTOR STARTER FOR 3HP AIR HANDLER FAN EF-3 (REPLACES STARTER FOR REMOVED EXHAUST FAN EF-13). CONTRACTOR TO REUSE EXISTING 3#1-2" CONDUIT AND 3#50 MCM, #13 GND FEEDER PREVIOUSLY SERVING 480V MOTOR CONTROL CENTER. CONTRACTOR IS TO REUSE 400A CIRCUIT BREAKER TO EXISTING 480V MAIN SWITCHGEAR LOCATED IN SUBBASEMENT ROOM #B512, TO THE MOTOR CONTROL CENTER, COORDINATE THE SWITCHOVER WITH THE MECHANICAL CONTRACTOR AND THE VA.
- ⑤ CONTRACTOR TO REUSE EXISTING BRANCH CIRCUIT PREVIOUSLY SERVING EF-13 AND CONNECT TO NEW 480V/3Ø EXHAUST FAN EF-3. SEE 1-E3 FOR DEMOLITION WORK OF EF-13.
- ⑥ REFER TO TYPICAL PACU BAY DETAIL 3#1-E7 FOR DEVICES IN THIS AREA. UTILIZE CIRCUITS INDICATED ON FOURTH FLOOR POWER PLAN 1#1-E7. "X" INDICATES CIRCUIT NUMBER.
- ⑦ CEILING MOUNTED RECEPTACLE FOR FUTURE AUTOMATED PULL DOWN SCREEN.
- ⑧ NEW ATS SHALL MATCH ALL CHARACTERISTICS OF OLD ATS.

Revisions: