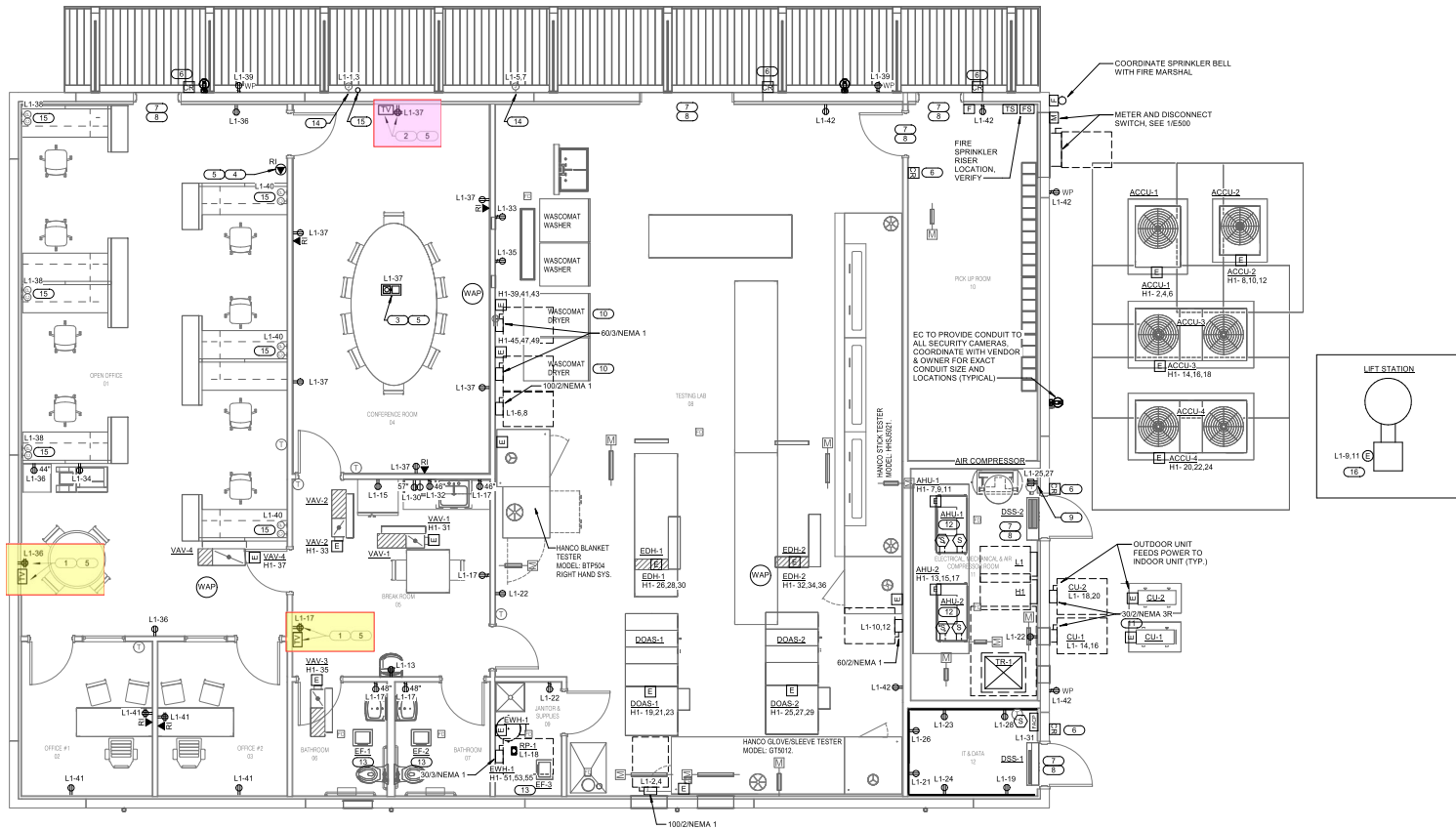


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1 POWER AND SYSTEMS PLAN

POWER AND SYSTEMS PLAN GENERAL NOTES:

- VAV UNITS, DOAS UNITS AND ACCU UNITS ALL TO BE PROVIDED WITH DISCONNECT, EC TO WIRE.
- ALL MOTORIZED DAMPERS TO BE CIRCUITED TO L1-29.

POWER AND SYSTEMS PLAN KEY NOTES:

- WALL MOUNT THREE GANG PLASTIC TV BOX EQUAL TO ARLINGTON TVBUSD AT 60" AFF. BOX TO BE INSTALLED AT TO 6" TO EITHER SIDE OF TV CENTER. TV SYMBOL DENOTES CABLE TO BE PULLED THROUGH DATA SECTION OF BOX. PROVIDE WITH (2) CAT 6 DATA PORTS AND (2) DUPLEX RECEPTACLES.
- WALL MOUNT THREE GANG PLASTIC TV BOX EQUAL TO ARLINGTON TVBUSD AT 48" AFF. BOX TO BE INSTALLED AT TO 6" TO EITHER SIDE OF TV CENTER. TV SYMBOL DENOTES CABLE TO BE PULLED THROUGH DATA SECTION OF BOX. PROVIDE WITH (2) CAT 6 DATA PORTS AND (2) DUPLEX RECEPTACLES.
- FLOOR BOX WITH (2) CAT 6 DATA PORTS AND (2) DUPLEX RECEPTACLES.
- CEILING MOUNTED SINGLE OUTLET BISCUIT BOX WITH (1) CAT 6 PORT.
- PRIOR TO ROUGH-IN, EC TO COORDINATE WITH OWNER FOR EXACT LOCATION AND ELECTRICAL & COMMUNICATION REQUIREMENTS.
- EC TO PROVIDE WALL CONCEALED SINGLE GANG JUNCTION BOX (COW PLASTER RING FOR GYP OVER STUD WALLS) FOR INSTALLMENT OF ACCESS CONTROL READER. PROVIDE 3/4" EMT CONDUIT CONCEALED IN WALL ABOVE DOOR FRAME TO ACCESS CONTROL ENCLOSURE INSTALLED ABOVE FINISHED CEILING IN AN ACCESSIBLE LOCATION (KEY NOTE 7). COORDINATE WITH JEA AND VENDOR FOR ALL EC PROVIDED/INSTALLED CONDUIT ASSOCIATED WITH DOOR SECURITY SYSTEM.
- SURFACE MOUNTED METALLIC ENCLOSURE WITH COVER (HOFFMAN: A565X84). WHERE FINISHED CEILING EXISTS, HOFFMAN ENCLOSURE SHALL BE INSTALLED ABOVE FINISHED CEILING IN AN ACCESSIBLE LOCATION.
- PROVIDE ELECTRIC LOCK. POWER TO LOCKSET/EXIT DEVICE PROVIDED BY 24VDC LOW VOLTAGE POWER SUPPLY. LOCATE ON SECURE SIDE OF OPENING EITHER ABOVE ACCESSIBLE CEILING OR IN SECURED REMOTE LOCATION. AMPERAGE, LOCATION, AND EXACT CONFIGURATION DEPENDENT ON SPECIFIC APPLICATION. POWER TO DOOR CONTROLLER PROVIDED BY 120VDC POWER SUPPLY. AMPERAGE, LOCATION, AND EXACT CONFIGURATION DEPENDENT ON SPECIFIC APPLICATION. POWER TO CARD READER PROVIDED BY DOOR CONTROLLER.
- AIR COMPRESSOR HP SIZE AND ELECTRICAL REQUIREMENTS NOT PROVIDED DURING THIS DESIGN. PRIOR TO ROUGH-IN, EC TO VERIFY WITH OWNER FOR EXACT ELECTRICAL REQUIREMENTS.
- VERIFY WITH MANUFACTURER FOR AVAILABILITY OF DRYER TO BE PROVIDED AT 480V/3PH. CONFIRM FULL LOAD AMPS AND RECOMMENDED CIRCUIT BREAKER SIZE.
- EC TO PROVIDE DISCONNECT SIZE AS SHOWN.
- CIRCUIT BREAKER IS IN LINE SIGHT OF HVAC EQUIPMENT AND SERVES AS DISCONNECTING MEANS FOR UNIT.
- EXHAUST FAN EF-1 & EF-2 TO BE CIRCUITED TO AND CONTROLLED WITH LIGHTS WITHIN ROOM. EC TO PROVIDE 277V-120V STEPDOWN TRANSFORMER FOR 277V CIRCUIT. EXHAUST FAN EF-3 TO CIRCUIT TO NEAREST 120V RECEPTACLE IN ROOM AND BE CONTROLLED VIA TIME CLOCK PROVIDED BY MC.
- CAPPED JUNCTION BOX FOR FUTURE EV CHARGING STATION. PRIOR TO ROUGH-IN, VERIFY EXACT LOCATION WITH OWNER.
- POWER AND COMMUNICATION WALL WHIPS AT 18" AFF FOR CONNECTION TO FURNITURE WIRED SYSTEMS. VERIFY WITH MILLWORK VENDOR FOR CONNECTION POINT AND TYPE.
- EC TO RUN 208V/1PH CIRCUIT TO 240V/1PH LIFT STATION VIA BULK BOOST TRANSFORMER PROVIDED BY LIFT STATION VENDOR. VERIFY ELECTRICAL REQUIREMENTS & CONNECTION LOCATION TO CONTROL PANEL WITH LIFT STATION VENDOR PRIOR TO TRENCHING.

