

PROJECT INFORMATION

PROJECT NUMBER 1823380

TENANT BUILD-OUT FOR:
ASPEN DENTAL
4011 WARDS ROAD • LYNCHBURG, VA 24502

PROFESSIONAL SEAL

SHEET DATES

ISSUE DATE MAY 31, 2018

REVISIONS	

SHEET INFORMATION

FLOOR PLAN - POWER

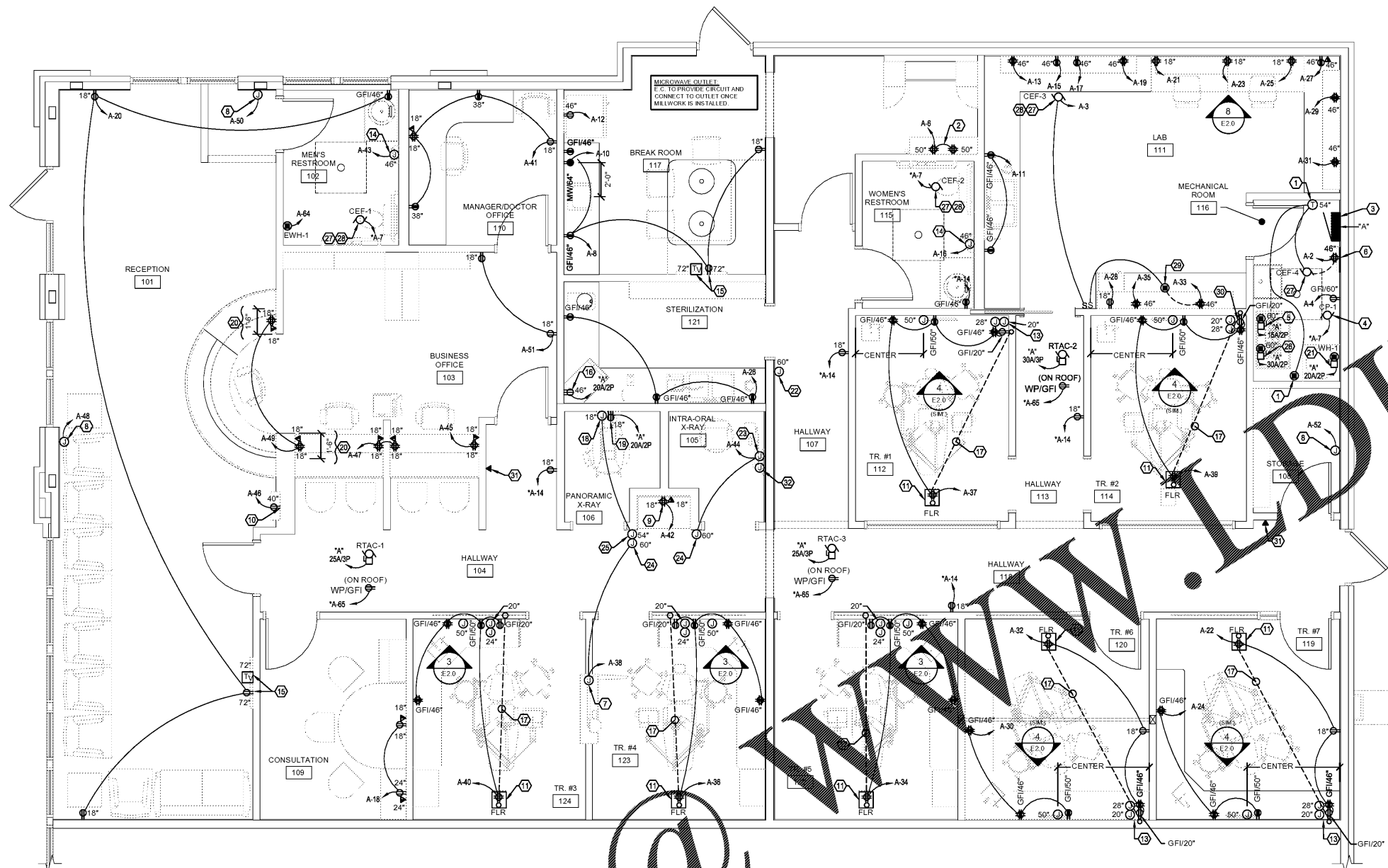
SHEET NUMBER

E1.1P

- POWER PLAN NOTES:**
- ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER CONDUIT PENETRATION DETAIL/SHEET E0.2
 - VERIFY ALL EXPOSED CONDUIT ROUTING WITH ARCHITECT/ENGINEER WHERE CONDUIT IS EXPOSED IN FINISHED ROOMS.
 - ALL RECEPTACLES LOCATED IN TOILET ROOMS, WITHIN 6'-0" OF SINKS OR SERVING COUNTERTOPS SHALL BE GFCI TYPE.
 - COORDINATE ALL RECEPTACLE, DATA AND TELEPHONE PORT LOCATIONS WITH FURNITURE LAYOUT AND OWNER'S FURNITURE SUPPLIER PRIOR TO ROUGH-IN.
 - COORDINATE THE VOLTAGE, AMPERAGE, PHASE, CONNECTION TYPE, ROUGH-IN LOCATION, ETC. OF ALL EQUIPMENT WITH THE CONTRACTOR INSTALLING THE EQUIPMENT.
 - FIRE ALARM SYSTEM INSTALLATION AND WIRING SHALL BE PER NFPA REGULATIONS AND LOCAL FIRE DISTRICT REQUIREMENTS.
 - REFER TO ASPEN DENTAL MANAGEMENT, INC. UNDERGROUND LAYOUT DRAWING FOR EXACT LOCATION(S) OF ALL UNDERGROUND UTILITIES.

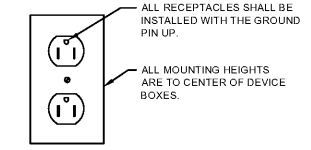
POWER PLAN KEYED NOTES:

- REVERSE ACTING THERMOSTAT (MONEY VAL T651) TURN ON FAN AND CLOSE MECHANICAL ROOM MOTOR OPERATED DAMPER ON A RISE IN SPACE TEMPERATURE ABOVE SET POINT. THERMOSTAT FURNISHED BY HEAT PUMP CONTRACTOR REFER TO SHEET H1.1. CONDUIT WIRING PROVIDED BY E.C.
- PROVIDE TWO (2) 20V, 10, 20 AMP DUPLEX RECEPTACLES AT 50" A.F.F. AT LOCATIONS INDICATED FOR EQUIPMENT IN TELEPHONE CABINET. LOCATE RECEPTACLES AS CLOSE TOGETHER AS POSSIBLE.
- NEW ELECTRICAL SERVICE PER ONE LINE DIAGRAM. PROVIDE NEW CIRCUIT BREAKERS AS SHOWN ON PANEL SCHEDULES AND PER SPECIFICATIONS.
- ROUTE CIRCUIT THROUGH CONTACTOR. SEE DETAIL ON E1.1L. PROVIDE OVERRIDE SWITCH IN MECH. ROOM ADJACENT TO PUMP FOR SERVICE.
- FURNISH AND INSTALL 208V, 2-POLE, 30 AMP NEMA 1 FUSED DISCONNECT FOR VACUUM SYSTEM. PROVIDE WITH FRN8 FUSES. SEE DETAIL #5/SHEET E2.0.
- PROVIDE 2'-0" x 4'-0" x 3'-4" "AB" GRADE PLYWOOD TELEPHONE BACKBOARD FOR TELEPHONE EQUIPMENT. SEE TELECOM GROUNDING DETAIL FOR MORE INFORMATION.
- FURNISH AND INSTALL JUNCTION BOXES FOR PASS-THROUGH X-RAY CONTROL WIRING. SEE DETAIL #6/SHEET E2.0 & #9/SHEET E2.0.
- FURNISH AND INSTALL AND MAKE FINAL CONNECTIONS TO OWNER SIGNAGE. PROVIDE JUNCTION BOX(ES) AND ASSOCIATED 120V, 10, 20 AMP CIRCUIT FOR SIGNAGE. FIELD VERIFY EXACT ROUGH-IN LOCATION. PROVIDE TIME CLOCK FOR CONTROL. SEE EXTERIOR LIGHTING CONTROL DETAIL SHEET E1.1L. COORDINATE WITH OWNER / LANDLORD.
- PROVIDE 120V, 10, 20 AMP QUAD RECEPTACLE FOR X-RAY COMPUTER AND CONTROLS. SEE DETAIL #08/ SHEET A5.0.
- BOTTLE FILLING STATION. SEE DETAIL #7/SHEET E2.0 FOR MORE INFORMATION.
- SEE DETAIL "D-3A" ON ARCHITECTURAL SHEET "MD" FOR ROUGH-IN REQUIREMENTS.
- RESERVED.
- RECEPTACLES AND J-BOXES TO BE NO LESS THAN 4" AND NO MORE THAN 18" OFF CORNER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRIC HAND DRYER JUNCTION BOX AND ASSOCIATED 120V, 10, 20 AMP CIRCUIT. TOP OF CONTROLS AND AIR DISCHARGE TO BE A MAXIMUM OF 48" A.F.F. DRYER SHALL BE EQUIVALENT TO SURFACE MOUNTED HAND DRYER EXCEL DRYER, INC. XLERATOR MODEL #XL-BW SUPPLIED AND INSTALLED BY G.C.
- FURNISH AND INSTALL DUPLEX RECEPTACLE AND PLASTER RING WITH PULL STRING TO ABOVE CEILING AT HEIGHT SHOWN ON PLANS FOR PLASMA TV.
- PROVIDE 208V, 2-POLE, 20 AMP CIRCUIT AND RECEPTACLE TO SERVE STERILIZER (NEMA 6-20P).
- 2" CONDUIT BELOW FINISHED GRADE. USE UNDERGROUND LAYOUT DRAWING SHEET U1.1 FOR EXACT CONDUIT LOCATION.
- INSTALL JUNCTION BOX OR PLASTER RING 18" A.F.F. WITH 2" CONDUIT RUN TO ABOVE CEILING. REFER TO DETAIL #1/SHEET E2.0.
- PROVIDE 220V, 20 AMP RECEPTACLE TO SERVE X-RAY EQUIPMENT. ELECTRICAL CONTRACTOR TO SUPPLY MALE END. COORDINATE RECEPTACLE AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDER (NEMA 6-20R). LEAVE MALE END TAPED TO OUTLET. REFER TO DETAIL #1/SHEET E2.0.
- LOCATE RECEPTACLE AND DATA OUTLET WITHIN DIMENSIONS SHOWN.
- FURNISH AND INSTALL 208V, 10, 20 AMP, NEMA 1 DISCONNECT FOR WATER HEATER ABOVE CEILING. PROVIDE ELECTRICAL CONNECTIONS TO WATER HEATER IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE MOUNTING LOCATION WITH EQUIPMENT IN ROOM.
- ELECTRICAL CONTRACTOR SHALL FLUSH MOUNT NON-METALLIC LOW VOLTAGE RING AT 60" A.F.F. TO CENTERLINE. ROUTE CAT 6 WIRE FROM LOW VOLTAGE RING LOCATION TO EQUIPMENT ROOM AND COIL 24" ON EACH END WITH MALE CONNECTOR BOTH ENDS (TYP.). SEE DETAIL #D32A/ SHEET MD. CONTROL PANEL PROVIDED BY EQUIPMENT SUPPLIER.
- FURNISH AND INSTALL CIRCUIT AND CONTROL WIRING. SEE DETAIL #2/SHEET E2.0.
- PROVIDE JUNCTION BOX AND CONTROL WIRES. SEE DETAIL #D-9A/ SHEET MD.
- PROVIDE JUNCTION BOX FOR X-RAY CONTROL BOX ASSEMBLY. SEE DETAIL #D-9D/ SHEET MD.
- PROVIDE 1.5 KVA 208V/120/240V BUCK BOOST TRANSFORMER (SQUARE D 1.5S46F OR EQUIVALENT) FOR AIR COMPRESSOR. LOCATE NEAR PANELS. PROVIDE 208V, 2-POLE, 30A, FUSED DISCONNECT TO SERVE AIR COMPRESSOR. SEE DETAIL #5/SHEET E2.0.
- FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR. SEE FAN SCHEDULE FOR ADDITIONAL INFORMATION.
- ROUTE CIRCUIT THROUGH CONTACTOR. SEE DETAIL ON E1.1L.
- PROVIDE CONNECTION TO MOTOR OPERATED DAMPER WITH 120V, 2 POSITION, SPRING RETURN, NORMALLY OPEN DAMPER PROVIDED BY H.C. ACTUATOR WIRED TO WALL SWITCH BY E.C TO CLOSE DAMPER WHEN SWITCH IS "ON".
- RECEPTACLES AND J-BOXES TO BE NO LESS THAN 4" AND NO MORE THAN 10" OFF CORNER.
- PROVIDE DATA OUTLET 10" BELOW CEILING FOR WIFI. VERIFY EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH IN.
- INSTALL JUNCTION BOX OR PLASTER RING 41" A.F.F. WITH 2" CONDUIT RUN TO ABOVE CEILING. REFER TO DETAIL #2/SHEET E2.0.



FLOOR PLAN - POWER

SCALE: 1/4" = 1'-0"



TYPICAL RECEPTACLE INSTALLATION DETAIL
NO SCALE

COORDINATE LOCATION OF ALL EXPOSED CONDUIT WITH OWNER PRIOR TO INSTALLATION.

Order Plans