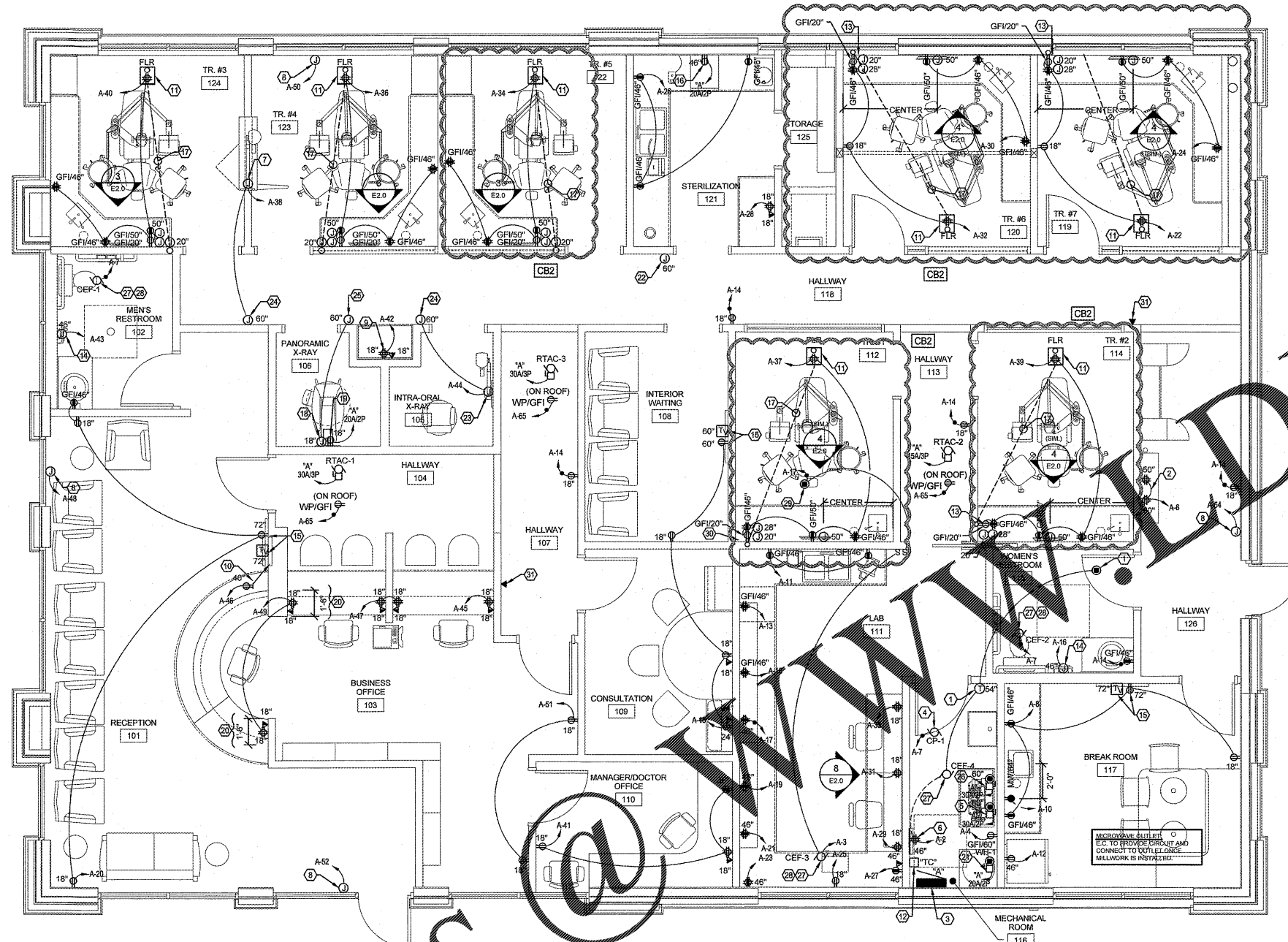
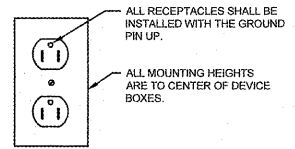


Order Plans



FLOOR PLAN - POWER

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



TYPICAL RECEPTACLE INSTALLATION DETAIL
NO SCALE

REVIEWER FOR
CODE COMPLIANCE
JAN 05 2018
RETAIN AT JOB SITE
Approved By: [Signature]
CITY OF CAPE GIRARDEAU, MISSOURI

- POWER PLAN NOTES:**
- ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER CONDUIT PENETRATION DETAIL/SHEET E0.2
 - 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.
 - ALL WIRING IN PATIENT CARE AREAS SHALL COMPLY WITH NFPA 70-17.

POWER PLAN KEYED NOTES:

- REVERSE ACTING THERMOSTAT (HONEYWELL T88) TURN ON FAN AND CLOSE MECHANICAL ROOM RETURN PERMANENT DAMPER ON A RISE IN SPACE TEMPERATURE ABOVE SET POINT. REFER TO FURNITURE LAYOUT DRAWING FOR EXACT LOCATION. HEATING CONTRACTOR REFER TO SHEET H1.1 FOR FAN AND WIRING PROVIDED BY E.C.
- PROVIDE TWO (2) 120V, 10, 20 AMP, DOUBLE DUPLEX RECEPTACLES AT 50" A.F.F. AT LOCATION INDICATED FOR EQUIPMENT IN TELEPHONE CABINET. LOCATE RECEPTACLES AS TIGHT TOGETHER AS POSSIBLE.
- NEW ELECTRICAL SERVICE PER ONELINE DIAGRAM. PROVIDE NEW CIRCUIT BREAKERS AS SHOWN IN 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 FRNS 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.
- TIME CLOCK "TC". SEE EXTERIOR LIGHTING CONTROL DETAIL SHEET E1.1L.
- 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 208V, 2-POLE, 30 AMP 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 WFL. VERIFY EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH IN.

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

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COLLABORATION
AspenDental

PROJECT INFORMATION
PROJECT NUMBER 1712680

TENANT BUILD-OUT FOR:
ASPEN DENTAL
3070 WILLIAM STREET • CAPE GIRARDEAU, MO 63703

PROFESSIONAL SEAL
STATE OF MISSOURI
RAYMOND DEL MONTE
NUMBER PE-2005023265
PROFESSIONAL ENGINEER

SHEET DATES

ISSUE DATE	JUNE 1, 2017
REVISIONS	
AD1	JUNE 6, 2017
(ARCH CHANGES)	
AD2	JUNE 22, 2017
CB1	DEC. 15, 2017
CB2	DEC. 19, 2017

SHEET INFORMATION
FLOOR PLAN - POWER
SHEET NUMBER
E1.1P