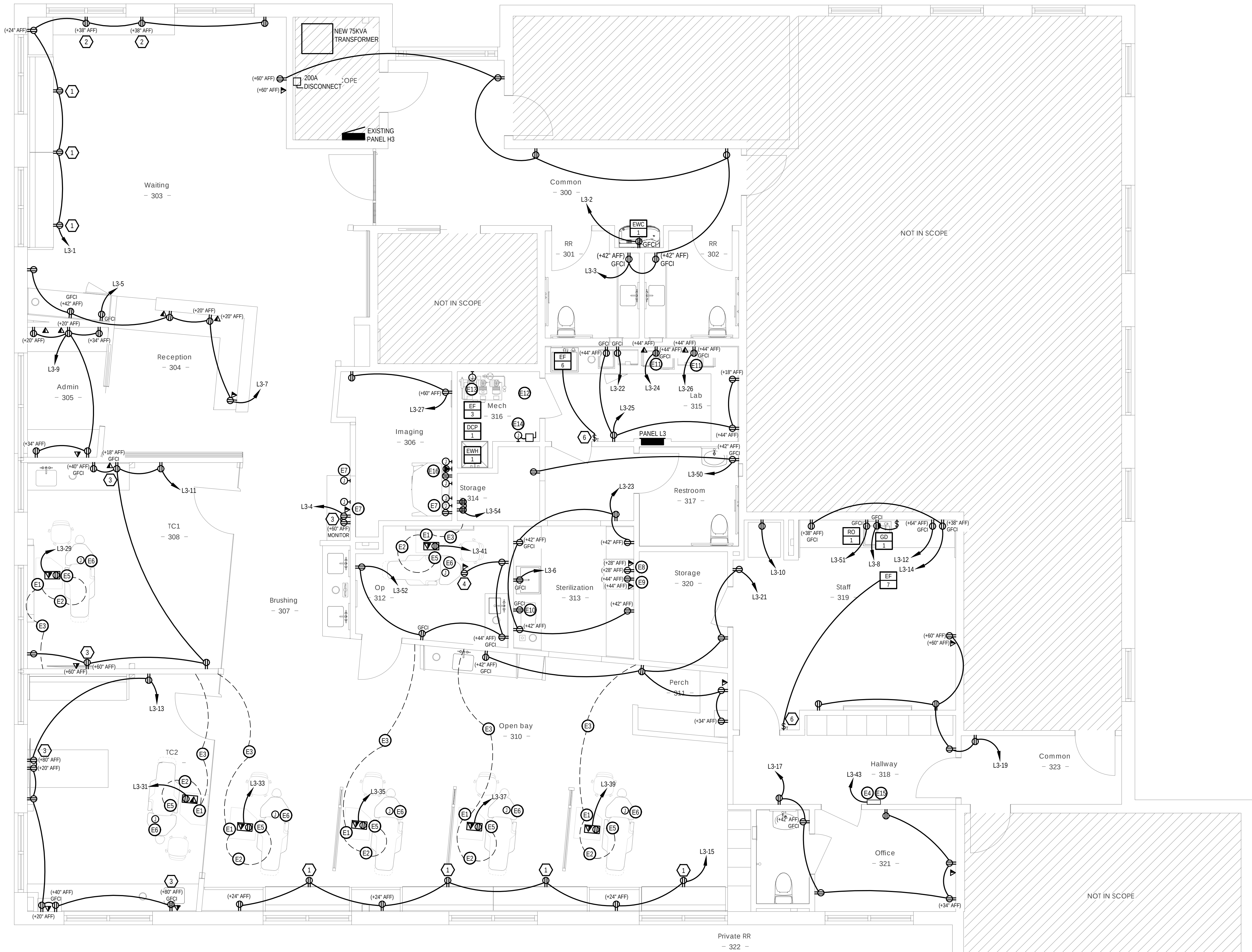
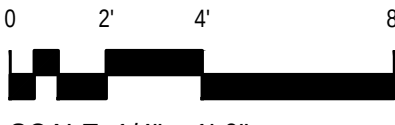


ELECTRICAL POWER PLAN

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



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

GENERAL NOTES:

- ALL CONDUCTORS SIZING IS BASED ON COPPER ONLY.
- UNLESS OTHERWISE SPECIFIED ALL CIRCUITS ARE TO BE RUN WITH (2)#12; (1)#12GND IN 3/4"C. 12/2 HCF MC MAY BE USED IN CONCEALED SPACES.
- REFER TO THE ARCHITECTURAL PLANS FOR NOTES, DETAILS, MOUNTING HEIGHTS AND MILLWORK CIRCUITRY ROUTES IN ARCH. ELEVATIONS, LIGHTING SCHEDULES, ETC. FOR ADDITIONAL WORK AND CLARIFICATIONS. PRIOR TO ROUGH-IN, ALL WORK SHALL BE IN ACCORDANCE TO BUILDING MANAGEMENT REQUIREMENTS FOR CONSTRUCTION AND WITH ADJACENT OCCUPIED TENANTS.
- COORDINATE POWER REQUIREMENTS FROM THE EQUIPMENT SUPPLIERS. PROVIDE PROPER VOLTAGE, IE: BUCK BOOST TRANSFORMERS, WIRING, MEDICAL USE GROUNDING AND CONTROLS. ROUGH-IN AS REQUIRED.
- PROVIDE CIRCUITRY, OVER-CURRENT PROTECTION/SHUT-OFF, CONDUIT AND J-BOXES FOR X-RAY CONTROLS, WALL VIEW BOXES, POWER UNITS, ETC. AND AS DIRECTED BY THE X-RAY SUPPLIER. COMPLY INSTALLATIONS WITH NEC 660.
- REFER TO THE MECHANICAL PLANS FOR LOCATIONS, NOTES FOR CONTROLS AND ANY ADDITIONAL WORK. PROVIDE POWER SUPPLIES TO DAMPERS, ETC. CONNECT LINE VOLTAGE WALL CONTROLS AND DUCT DETECTORS PER MECH NOTES.
- FIELD VERIFY LOCATIONS OF FLUSH OR SURFACE FLOOR OUTLETS WITH TENANTS / SUPPLIER / ARCHITECT.
- PROVIDE GFCI 120V OUTLETS WITHIN 6' OF WATER SERVICE AND/OR SINKS AND IN PATIENT AREAS, PER NEC.
- WIRING AND MATERIALS / METHODS FOR ALL RECEPTACLES AND FIXED ELECTRICAL EQUIPMENT IN PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13 (A) AND (B) FOR REDUNDANT GROUNDING.
- ALL RECEPTACLES IN PATIENT CARE AREAS SHALL BE HOSPITAL GRADE.
- ALL CIRCUITRY IN PATIENT AREAS TO COMPLY WITH NEC 517.13 FOR REDUNDANT GROUNDING.
- EXHAUST FANS INSIDE RESTROOMS TO BE CONNECTED TO NEAREST LIGHTING CIRCUIT.
- EC TO CONFIRM ALL ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO PURCHASE AND INSTALLATION. IF THERE ARE ANY DISCREPANCIES, CONTACT ENGINEER IMMEDIATELY FOR REVISIONS.

EQUIPMENT NOTES:

- UTILITY CENTER- SELF CONTAINED WATER. ALL UTILITIES MUST CONFORM TO PREVAILING LOCAL CODES.
- 2" SUB-FLOOR CONDUIT - SUB-FLOOR CONDUIT WITH PULL-STRING SUPPLIED & INSTALLED BY ELECTRICIAN. SWEEPING 90 DEGREE BENDS ONLY. STUB-UP FLUSH WITH SUB-FLOOR AT EACH END, MARK LOCATION AT FINISH.
- 2" CONTINUOUS CONDUIT - CONDUIT WITH PULL-STRING SUPPLIED & INSTALLED BY ELECTRICIAN. RUN BETWEEN LOCATIONS SHOWN ON PLAN. VERIFY SIZING WITH HENRY SCHEIN DENTAL REP. SWEEPING 90 DEGREE BENDS ONLY.
- 1" CONTINUOUS CONDUIT - CONDUIT WITH PULL-STRING SUPPLIED & INSTALLED BY ELECTRICIAN. RUN BETWEEN MECH ROOM AND CONTROL PANEL. VERIFY SIZING WITH HENRY SCHEIN DENTAL REP. SWEEPING 90 DEGREE BENDS ONLY.
- DENTAL CHAIR OUTLET - SUPPLIED & INSTALLED BY ELECTRICIAN.
- DENTAL CEILING LIGHT - PROVIDED BY CLIENT, INSTALLED BY CONTRACTOR.
- I-CAT CONE BEAM XRAY, CONTROL BOX & WORKSTATION - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. ELECTRICIAN TO SUPPLY AND INSTALL POWER REQUIREMENTS AND 1.5" PIPE CHASE WITH PULL-STRING BETWEEN I-CAT AND CONTROL BOX IN HALL & 1" PIPE CHASE BETWEEN I-CAT AND WORKSTATION. INST. CONDUIT FROM X-RAY TO EXPOSURE BUTTON. CONFIRM EXACT LOCATION AND WIRING REQUIREMENTS WITH DENTAL EQUIPMENT VENDOR.
- STERILIZER (SINGLE CASSETTE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. POWER BY ELECTRICIAN.
- STERILIZER (AUTOCLAVE) - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. POWER BY ELECTRICIAN.
- ULTRASONIC CLEANER - SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. UTILITIES BY CONTRACTOR(S).
- 3D PRINTING SYSTEM - PRINTER, WASHDRY AND CURING UNITS SUPPLIED AND INSTALLED BY HENRY SCHEIN DENTAL. POWER BY ELECTRICIAN. SEE DETAIL & MANUFACTURER SPECIFICATIONS FOR CLEARANCE REQUIREMENTS.
- EXHAUST FAN FOR DENTAL MECHANICAL CLOSET - SUPPLIED AND INSTALLED BY CONTRACTOR. THERMOSTATICALLY CONTROLLED TO MAINTAIN TEMPERATURE WITHIN THE EQUIPMENT MANUFACTURER'S SPECIFIED OPERATING RANGE.
- DENTAL AIR COMPRESSOR - FOR DENTAL AIR DRIVEN DEVICES. SUPPLIED BY HENRY SCHEIN DENTAL. INSTALLED BY CONTRACTOR(S). PLUMBER TO PROVIDE 1/2" I.D. COPPER TYPE K OR L SUPPLY LINES TO LOCATIONS THAT REQUIRE AIR. IF A BUCK BOOST TRANSFORMER IS REQUIRED, VERIFY SUPPLIER WITH HENRY SCHEIN REP, INSTALLED BY ELECTRICIAN. FINAL CONNECTIONS BY CONTRACTOR(S).
- DENTAL VACUUM PUMP (DRY) - SUPPLIED BY HENRY SCHEIN DENTAL. INSTALLED BY CONTRACTOR(S). VERIFY TRUNK & BRANCH LINE SIZES WITH MFRG RECOMMENDATIONS. USE SCH 40 PVC WHERE PERMITTED BY CODE. PLUMBER TO EXHAUST PUMP TO OUTSIDE. IF A BUCK BOOST TRANSFORMER IS REQUIRED, VERIFY SUPPLIER WITH HENRY SCHEIN REP, INSTALLED BY ELECTRICIAN. DRAIN BY PLUMBER. FINAL CONNECTIONS BY CONTRACTOR(S). PLUMBER TO PROVIDE WATER LINE WITH HOSE BIB NEAR UNIT.
- MECHANICAL ROOM CONTROL PANEL - SUPPLIED BY HENRY SCHEIN DENTAL. INSTALLED BY ELECTRICIAN 60" A.F.F. ELECTRICIAN TO SUPPLY AND INSTALL 24V CONTROL WIRING FROM PANEL TO EACH COMPRESSOR, VACUUM AND/OR SOLENOID PER MFRG SPECS.
- EC TO COORDINATE EXACT POWER REQUIREMENTS OF PANORAMIC X-RAY WITH DENTAL EQUIPMENT VENDOR PRIOR TO BID, PURCHASE, AND CONSTRUCTION. ELECTRICIAN TO SUPPLY AND INSTALL SINGLE GANG JUNCTION BOX AND 1" CONDUIT WITH PULL-STRING TO ABOVE CEILING & SINGLE GANG JUNCTION BOX AND 1" CONDUIT BETWEEN PANORAMIC X-RAY AND WORKSTATION. ALSO PROVIDE (1) 120V DEDICATED 20 AMP CIRCUIT AND (1) 230V DEDICATED 25A CIRCUIT. SUPPLY AND INSTALL ALL REQUIRED CONTROLS WIRING, BUCK-BOOST TRANSFORMERS, ETC.

WORK NOTES:

- PROVIDE HORIZONTAL USB CHARGING RECEPTACLE WITH ONE (1) USB-A PORT AND ONE (1) USB-C PORT MOUNTED IN BENCH. VERIFY COMPATIBILITY AND LISTING REQUIREMENTS. COORDINATE DEVICE LOCATION AND INSTALLED ORIENTATION WITH ARCHITECTURAL ELEVATIONS AND OWNER REQUIREMENTS.
- PROVIDE HORIZONTAL USB CHARGING RECEPTACLE WITH ONE (1) USB-A PORT AND ONE (1) USB-C PORT. VERIFY COMPATIBILITY AND LISTING REQUIREMENTS. COORDINATE DEVICE LOCATION AND INSTALLED ORIENTATION WITH ARCHITECTURAL ELEVATIONS AND OWNER REQUIREMENTS.
- PROVIDE MUDRING AND CONCEALED CONDUIT FROM CPU LOCATION TO MONITOR LOCATION. COORDINATE ROUTING, MOUNTING HEIGHT, DEVICE LOCATIONS, AND FINAL CONNECTION REQUIREMENTS WITH ARCHITECTURAL ELEVATIONS AND EQUIPMENT MANUFACTURER.
- PROVIDE A CEILING-MOUNTED, 120V RECEPTACLE AND DATA OUTLET AT THE INDICATED LOCATION. COORDINATE DEVICE TYPE, MOUNTING HARDWARE, EXACT ELEVATION, ACCESS, PATHWAY, AND FINAL LOCATION WITH ARCHITECTURAL CEILING, LIGHTING, AV, EQUIPMENT, AND STRUCTURAL REQUIREMENTS.
- PROVIDE ONE (1) HIGH AND ONE (1) LOW RECEPTACLE AT THE PROPOSED SERVER LOCATION. COORDINATE EXACT LOCATIONS, MOUNTING HEIGHTS, AND EQUIPMENT CONNECTION REQUIREMENTS WITH THE SERVER EQUIPMENT. PROVIDE DEDICATED POWER AS REQUIRED.
- GANG EXHAUST FAN TIME SWITCH WITH LOCAL LIGHTING SWITCHES.

JOE
ARCHITECT



DYNAMIC MEP
CONSULTING ENGINEERS
303.421.3208 | info@dmce.com

Oz Orthodontics

3334 N Mana Ct, 3rd Floor, Fayetteville, AR 72703



REVISIONS

#	Date	Description
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DATE: 18 Aug 2026

PROJECT NO: 26085

DRAWN BY: JG / MAB

ISSUED FOR: Permit Set

POWER PLAN

E2.0