

**POWER PLAN**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL POWER PLAN KEYNOTES:**

- STOREFRONT RECEPTACLE RECEPTACLES AND COVERPLATES WITH AN "SF" DESIGNATION SHALL BE MOUNTED HORIZONTALLY ON CEILING IF CEILING IS WITHIN 18" FROM THE TOP OF THE WINDOW, OR ON THE WALL ABOVE THE WINDOW IF THERE IS MORE THAN 18" TO THE CEILING ABOVE. ROUTE CONDUIT THROUGH CONTACTORS (E1.1 FOR ADDITIONAL INFORMATION). IF BATTENS ARE PRESENT, CENTER BETWEEN BATTENS.
- CASH REGISTER: ELECTRONIC CASH REGISTER POWER SYSTEM. THE CIRCUITS USED TO POWER THE ELECTRONIC CASH REGISTER SHALL NOT BE USED FOR ANY OTHER PURPOSES. THE CIRCUITS SHALL NOT SHARE THE NEUTRAL OR GROUND WITH OTHER EQUIPMENT. SEPARATE POWER, NEUTRAL AND ISOLATED GROUND WIRES, MINIMUM SIZE #12 AWG, SHALL BE RUN TO THE UPS PANELBOARD "U" WHERE GROUNDING IS REQUIRED TO THE GROUND TERMINAL ISOLATED FROM NEUTRAL. USE THE CONDUIT FOR GROUNDING AS THIS IS NOT ADEQUATE AT HIGH FREQUENCIES. CIRCUITS FOR THE ELECTRONIC CASH REGISTERS SHALL BE RUN IN SEPARATE CONDUIT.
- FIXTURE CONTRACTOR TO PRE-INSTALL RECEPTACLES, TOE KICKERS, ADAPTERS, AND DATA IN MOBILE CASHWRAP PRIOR TO DELIVERY. ELECTRICAL CONTRACTOR TO MAKE FINAL POWER CONNECTIONS. DATA CONTRACTOR TO MAKE FILE DATA CONNECTIONS.
- COMPACTOR: CONTRACTOR TO COORDINATE WITH MILLWORK CONTRACTOR ON ALL POWER AND DATA MOUNT REQUIREMENTS AT EACH WORKSTATION PROVIDE CIRCUITING AS SHOWN ON PLAN.
- TRENCH FLOOR AND ROUTE CONDUIT AND WIRE FOR CONNECTION OF RECEPTACLES AND DATA OUTLETS WITHIN CASHWRAP TO NEAREST FULL HEIGHT WALL PROVIDE (6) 3/4" CONDUIT (POWER AND PHONE) AND (1) 1" CONDUIT (DATA) UNDER SLAB TO CASHWRAP CABINET. STUB-UP IN CASHWRAP TO DEVICES SHOWN. NO CONDUIT SHALL BE ROUTED UNDER CASHWRAP CABINET. PATCH AND REPAIR SLAB AS REQUIRED. ROUTE CONDUIT UP WALL OR COLUMN TO ELECTRICAL PANELS AND TELEPHONE BOARD AS INDICATED. COORDINATE WITH SOFT SURROUNDINGS, ON-SITE TENANT COORDINATOR, AND TENANT BELOW PRIOR TO ROUGH-IN.
- COORDINATE MOUNTING HEIGHT WITH MILLWORK CONTRACTOR PRIOR TO ROUGH-IN BID. REFER TO SHEET E1.3 FOR ADDITIONAL INFORMATION.
- CASHWRAP CHIME: FITTING ROOM NOTIFICATION CHIME. REFER TO DETAIL "3" ON SHEET E1.1 FOR ADDITIONAL INFORMATION.
- BUZZER SYSTEM: INSTALL A DELIVERY BUZZER SYSTEM AS SHOWN ON DRAWINGS. FURNISH AND INSTALL A COMPLETE EDWARDS DELIVERY BUZZER SYSTEM COMPLETE WITH TRANSFORMER, BUZZERS, LOUVERED COVERPLATES AND PUSH BUTTON (WEATHERPROOF FOR OUTSIDE LOCATIONS). PROVIDE ALL JUNCTION BOXES, CONDUITS & WIRES TO COMPLETELY INSTALL THE DELIVERY BUZZER SYSTEM. REFER TO DETAIL "5" ON SHEET E1.1.
- EAS SENSOR MOUNTING SYSTEM: JUNCTION BOX AND CIRCUIT ABOVE CEILING FOR POWER TO SENSOR MOUNTING SYSTEM. PROVIDE ALL CONDUIT AND WIRING FOR A COMPLETE AND FUNCTIONAL SYSTEM. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. SENSOR MOUNTING SYSTEM MAY NOT BE VISIBLE.

- FURNISH AND INSTALL SWITCH WITH LOCKING COVER FOR EAS SENSOR MOUNTING SYSTEM. SWITCH AND FACEPLATE SHALL BE RED IN COLOR.
- PROVIDE USB CHARGER RECEPTACLE, HUBBELL MODEL #H2B20X COLOR AS RECEPTACLE TO MATCH ADJACENT ELECTRICAL DEVICES.
- LOOSE MOUNTED DUPLEX RECEPTACLE- 125 VOLT, 2 POLE, 3 WIRE, 20 AMP, ARNEV BOX WOOD PLATFORMS- 1123MPM. PROVIDE 3/4" CONDUIT. FLOOR BOXES IN CONCRETE FLOOR WITH 3/4" WOOD FLOORING FINISH ARE TO BE PLACED IN A FLOOR BOX SIMILAR OR EQUAL TO HUBBELL #B2537 FLOOR BOX ADJUSTED FOR FLUSH FINISH WITH FLUSH BRASS TRIM COVER PLATES. SET FOR 5/8" FINISHED WOOD FLOOR. FACEPLATE SHALL BE BLACK IN COLOR. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISH.
- PROVIDE (2) 3/4" CONDUITS UNDER SLAB AS DIRECTED BY LANDLORD. (1) CONDUIT FOR POWER AND (1) CONDUIT FOR LOW VOLTAGE WIRING. ROUTE POWER CONDUIT UP TO DECK AND BACK TO PANELBOARD AS REQUIRED. ROUTE LOW VOLTAGE CONDUIT UP TO DECK AND BACK TO SERVER CABINET FOR FUTURE USE WITH PULL STRINGS.
- MOUNT RECEPTACLE IN A HORIZONTAL POSITION AT 14" AFF TO CENTERLINE, CENTERED ON WALL.
- FITTING ROOM NOTIFICATION SYSTEM: MOUNT MICRO8830 CONTROLLER ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION WITH OWNER/ARCHITECT REFER TO DETAIL "3" ON SHEET E1.1 FOR ADDITIONAL INFORMATION.
- FITTING ROOM EXHAUST FAN SWITCH. SWITCH TO BE LOCATED BEHIND MIRROR LEAF AS SHOWN.
- DUPLEX RECEPTACLE FOR MIRROR LIGHT CONNECTION.
- DREAM STEAMER: FURNISH AND INSTALL 30AMP RECEPTACLE w/ #10, #10GND, IN 3/4" C. FOR DREAM STEAMER. REFER TO SHEET E0.0 FOR ELECTRICAL SPECIFICATIONS.
- WATER HEATER: TANK TYPE ELECTRIC WATER HEATER 480V, 3PH, 4 KW. CIRCUIT AS INDICATED. FURNISH AND INSTALL SERVICE DISCONNECT AS REQUIRED.
- ELECTRICAL PANELS: ELECTRICAL SERVICE EQUIPMENT, SEE "POWER RISER DIAGRAM" ON SHEET E1.6 FOR ADDITIONAL INFORMATION. SEE RESPONSIBILITY SCHEDULE ON E1.0 FOR LANDLORD AND TENANT RESPONSIBILITIES.
- TRANSFORMER: NEW TRANSFORMER LOCATION. REFER TO "POWER RISER DIAGRAM" ON SHEET E1.6 FOR ADDITIONAL INFORMATION.
- NETWORK CABINET: QUAD RECEPTACLE FOR NETWORK CABINET. REFER TO DETAIL "1" ON SHEET E1.5 FOR ADDITIONAL INFORMATION.
- NEMA L5-30R TWIST LOCK RECEPTACLE AND BACKBOX FOR SERVER UPS. FURNISH AND INSTALL (2) #10, (1) #10 GND IN 3/4" C. CIRCUIT AS INDICATED. REFER TO DETAIL "1" ON SHEET E1.5 FOR ADDITIONAL INFORMATION.

- TWO (2) QUAD RECEPTACLES FOR TYCO SECURITY SYSTEM.
- PROVIDE RECEPTACLE FOR SOUND SYSTEM AMPLIFIER/MUSIC PLAYER. VERIFY EXACT LOCATION AND INSTALLATION HEIGHT OF SPEAKER SYSTEM WITH FINAL LOCATION OF AMPLIFIER IN FILED. REFER TO SHEET AV1.01 FOR AUDIO INFORMATION.
- BACKBOARD: 4'X8'X3/4" FIRE RETARDANT PLYWOOD BACKBOARD PAINTED ON ALL SIDES BY GENERAL CONTRACTOR. FIELD VERIFY FINAL LOCATION, SIZE AND COLOR WITH ARCHITECT PRIOR TO ROUGH-IN. FURNISH AND INSTALL ONE (1) 1/2" CONDUIT AND PULL STRING FROM LANDLORD'S TELEPHONE SERVICE TERMINATION POINT TO BACKBOARD EDGE. AS REQUIRED, VERIFY LOCATION OF TERMINATION POINT PRIOR TO BID. REFER TO DETAIL "1" ON SHEET E1.5 FOR ADDITIONAL INFORMATION.
- SWITCH MOUNTED AT 48" AFF. TO CONTROL RECEPTACLE FOR WALL MOUNTED FAN 'AIR KING 9024 24" 3-SPEED INDUSTRIAL GRADE' OR SIMILAR. VERIFY EXACT LOCATION AND SPECIFICATION OF FAN WITH ARCHITECT.
- HVAC EQUIPMENT CONNECTIONS: SEE HVAC ELECTRICAL CONNECTION SCHEDULE ON SHEET E1.0 FOR CIRCUIT, DISCONNECT, WIRE SIZE. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION. SEE LIGHTREC DETAILS ON SHEET E1.1. USE CIRCUIT P-42 FOR LIGHT/RECEPTACLES. PROVIDE JUNCTION BOX 54" AFF, PLASTER RING, AND 1/2" CONDUIT WITH PULL STRING FROM TEMPERATURE SENSOR TO THERMOSTAT. FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- DUCT SMOKE DETECTORS TO WIRE BACK TO TENANT'S FIRE ALARM SYSTEM PER LOCAL REQUIREMENTS. VERIFY ALL REQUIREMENTS WITH FIRE ALARM CONTRACTOR AND MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR. ELECTRICAL CONTRACTOR SHALL WIRE REMOTE TEST STATIONS LOCATED NEAR ELECTRICAL PANELS TO RESPECTIVE UNITS. PROVIDE 1/2" CONDUIT AND WIRE FROM TEST STATION JUNCTION BOX TO UNIT FOR EACH TEST STATION. MOUNT TEST STATIONS AT 48" AFF.
- FIRE ALARM SYSTEM: ELECTRICAL CONTRACTOR IS TO HIRE A LICENSED FIRE ALARM CONTRACTOR FOR ALL WORK. FIRE ALARM CONTRACTOR SHALL PROVIDE ALL DEVICES, WIRING, INSTALLATION, BE RESPONSIBLE FOR ALL FEES AND DRAWINGS AND SUBMITTALS PER LANDLORD AND CITY REQUIREMENTS. SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO: SMOKE DETECTORS, DUCT SMOKE DETECTORS, HORN/STROBES, STROBES, ETC. AS REQUIRED BY LOCAL CODE AND ALL REQUIREMENTS FOR A COMPLETE AND OPERABLE SYSTEM. DEVICES ON PLANS ARE SHOWN FOR INTENT ONLY. VERIFY ALL SYSTEM REQUIREMENTS AND APPROVED/RECOMMENDED CONTRACTORS WITH LANDLORD PRIOR TO BID. FIRE ALARM CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS AND LOCATIONS OF DEVICES WITH CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO INSTALLATION. ALL CEILING DEVICES SHALL BE WHITE IN COLOR.
- FIRE ALARM PANEL: COORDINATE FINAL LOCATION WITH FIRE/SAFETY CONTRACTOR PRIOR TO ROUGH-IN.
- SCENT SUPPLY SYSTEM: MOUNT DUPLEX RECEPTACLE TO SIDE OF HVAC SUPPLY DUCT FOR OPEN CEILING CONDITIONS. FOR HARD LAID CEILING CONDITIONS, RECEPTACLE SHALL BE MOUNTED TO THE SIDE OF THE HVAC SUPPLY DUCT BELOW CEILING ACCESS PANEL. COORDINATE LOCATION AND MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO BID.
- MOUNT JUNCTION BOX AT 64" AFF TO CENTER LINE OF JUNCTION BOX.

**POWER GENERAL NOTES:**

- REFER TO MECHANICAL PLAN FOR LOCATION OF MECHANICAL EQUIPMENT. FIELD VERIFY EXACT LOCATIONS. PROVIDE AND INSTALL ALL CONVENIENCE RECEPTACLES, SAFETY SWITCHES, WIRING OR OTHER EQUIPMENT TO ENSURE A COMPLETE AND OPERABLE HVAC SYSTEM.
- COORDINATE COLOR OF ALL CEILING MOUNTED RECEPTACLE COVERPLATES WITH ARCHITECTURAL PLANS.
- ALL WALL MOUNTED RECEPTACLES, AND SWITCHES SHALL BE MOUNTED VERTICALLY, UNLESS OTHERWISE NOTED. COORDINATE FACEPLATE COLORS WITH ARCHITECTURAL PLANS.
- CONDUIT FOR DATA/TELEPHONE OUTLETS SHALL HAVE NO MORE THAN THREE 90° BENDS. IF THE CONDUIT RUN REQUIRES MORE THAN THREE 90° BENDS, PROVIDE A PULL/JUNCTION BOX AFTER EACH SET OF THREE 90° BENDS.
- LABEL ALL COVERPLATES ON INSIDE FACE OF PLATE WITH CIRCUIT NUMBER AND PANEL DESIGNATION, I.E. "A-1". CIRCUIT SHALL BE WRITTEN WITH PERMANENT MARKER IN A CONTRASTING COLOR.
- (IF APPLICABLE) REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF RECEPTACLES, DATA/TELEPHONE OUTLETS AND OTHER DEVICES.
- ALL EQUIPMENT SHALL BE U.L. LISTED OR EQUIVALENT.
- ALL LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT.
- ALL EXPOSED CONDUIT MUST BE RUN STRAIGHT AND PARALLEL/PERPENDICULAR TO STRUCTURE. RUN CONDUIT ADJACENT TO EXISTING STRUCTURE OR ROOF DECK WHERE POSSIBLE.
- REVIEW ANY QUESTIONS REGARDING INSTALLATIONS WITH PROJECT MANAGER.
- ALL DEVICES LOCATED IN BACKWRAP (IE. RECEPTACLES, BUZZER, CHIMES) SHALL BE CONCEALED BEHIND WINDOW SHUTTERS.

**NOTE: COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF ALL RECEPTACLES AND J-BOXES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. ANY DISCREPANCIES SHALL BE ADDRESS WITH THE ARCHITECT.**

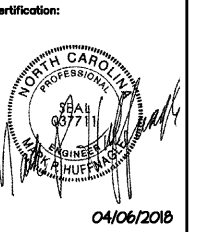
**NOTE: ALL RECEPTACLES TO BE CENTERED BETWEEN STANDARDS, WHEN STANDARDS ARE PRESENT, OTHERWISE CENTER RECEPTACLE IN WALL.**

**FIELD VERIFY ALL CONDITIONS**

DESIGN DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND REQUIREMENTS OF THE SITE PRIOR TO BIDDING OR ANY CONTRACT. THE CONTRACTOR SHALL INSPECT THE FIELD CONDITIONS AND MATERIALS NEEDED FOR FIELD MODIFICATIONS TO THE DESIGN. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR ANY CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR ANY CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND REQUIREMENTS OF THE SITE PRIOR TO BIDDING OR ANY CONTRACT. THE CONTRACTOR SHALL INSPECT THE FIELD CONDITIONS AND MATERIALS NEEDED FOR FIELD MODIFICATIONS TO THE DESIGN. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR ANY CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR ANY CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID.



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**REVISIONS:**

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Drawing title:  
**POWER PLAN**

Sheet no.  
**E1.4**