

**ELECTRICAL DESIGN PLAN NOTES**

- A. REFER TO ELECTRICAL DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- B. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
- C. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
- D. ALL FUTURE EQUIPMENT NEEDED HEREIN SHALL BE PROVIDED WITH AN APPROPRIATE RECEPTACLE AND FULLY WIRED. EVEN IF NOT SPECIFICALLY INDICATED.
- E. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) BREAKERS (NOT RECEPTACLES) SHALL BE UTILIZED WHERE REQUIRED BY CODE AND AT ANY FLOOR BOXES. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL THESE CIRCUITS.
- F. EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONS PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.
- G. ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND ONE (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
- H. REFERENCE LANDLORD WORK LETTER FOR DIVISION OF ELECTRICAL SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.

**DEVICE SCHEDULE**

DEVICE ID	DESCRIPTION	NEMA	VOLTS	NOTES	QUANTITY
10014	MOBILE ORDER PRINTER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	1
10075	CUP LABELER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	4
10110	1-DOOR R-I REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE ON DEDICATED CIRCUIT @ 84" AFF	1
10179	SURFACE MTD HAND DRYER		120V 1P 2W	COORDINATE EXACT VOLTAGE/WIRING REQUIREMENTS WITH VENDOR AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.	2
10267	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE @ 26" AFF	6
10312	SERVER STAND	5-15	120V 1P 2W	PROVIDE (1) QUADRAPLEX RECEPTACLE BELOW COUNTER FOR EVERY (4) SERVER STANDS (MAX)	4
10746	DUAL BREWER	14-50	208/120V 2P 3W	SEE DRAWING NOTE	1
10808	GRINDER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	1
10874	INSTA-HOT	5-20	120V 1P 2W	PROVIDE RECEPTACLE 26" AFF ON DEDICATED GFCI PROTECTED CIRCUIT.	1
11083	2-DOOR R-I REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE ON DEDICATED CIRCUIT @ 84" AFF	2
12407	TURBOCHEF OVEN	6-30	208/120V 2P 3W	SEE DRAWING NOTE.	2
12508	BLENDER	5-15	120V 1P 2W	PROVIDE A DUPLEX FOR EACH BLENDER ON DEDICATED CIRCUIT. MOUNT DUPLEX UNDER COUNTER.	1

**DEVICE SCHEDULE**

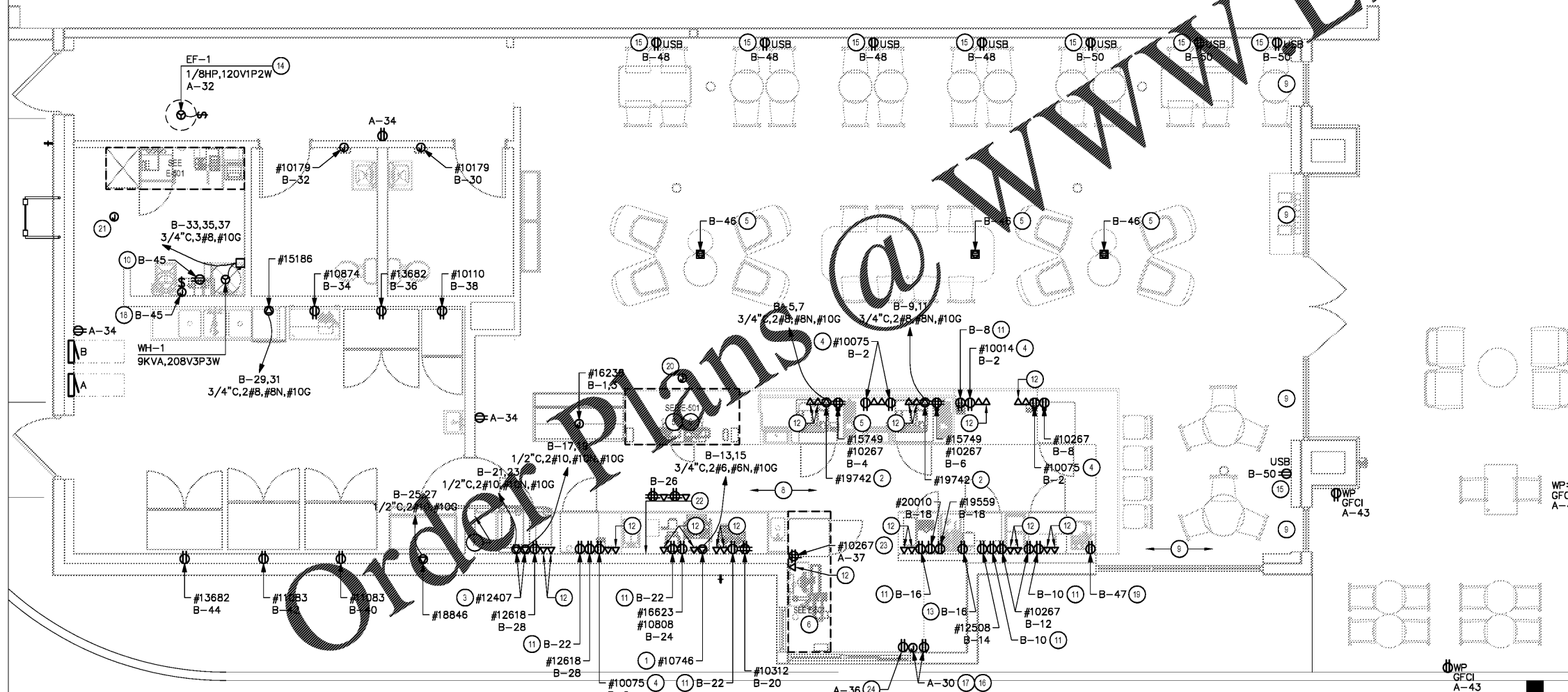
DEVICE ID	DESCRIPTION	NEMA	VOLTS	NOTES	QUANTITY
12618	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	RECEPTACLE @ 26" AFF	2
13682	2-DOOR R-I FREEZER	5-20	120V 1P 2W	PROVIDE RECEPTACLE ON DEDICATED CIRCUIT @ 84" AFF	2
15186	SANITIZER	14-50R	208/120V 2P 3W		1
15749	INSTA-HOT	5-20	120V 1P 2W	PROVIDE QUAD RECEPTACLE 26" AFF ON DEDICATED GFCI PROTECTED CIRCUIT FOR INSTA-HOT AND U.C. REFRIGERATOR	2
16238	FOOD CASE		208/120V 2P 3W	PROVIDE HARDWIRED CONNECTIONS FOR REFRIGERATION AND LIGHTING. ROUTE 3/4" CONDUIT WITH 2#12 AND 1#12 GROUND TO PANEL.	1
16623	DIGITAL SCALE	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	1
18846	ICE MACHINE		208V 2P 2W	CONFIRM VOLTAGE CONFIGURATION PRIOR TO ROUGH IN. CONFIRM NEMA CONFIGURATION OF RECEPTACLE OR INSTALL J-BOX AS REQUIRED. CONDENSER UNIT WIRING RUN FROM TERMINAL BLOCK IN INDOOR UNIT TO CONDENSER.	1
19559	NITROGEN GENERATOR	5-15	120V 1P 2W	PROVIDE 120V RECEPTACLE	1
19742	ESPRESSO MACHINE	6-50	208/120V 2P 3W	VERIFY FINAL CONNECTION REQUIREMENTS WITH EQUIPMENT MFR	2
20010	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE @ 26" AFF	1

**GROUND FAULT PROTECTION NOTES:**

PROVIDE GFCI PROTECTION AS REQUIRED BY NEC 210.8.  
 CIRCUITS REQUIRING GFCI PROTECTION IDENTIFIED WITH \* ON PANEL SCHEDULES (SEE E-601).  
 ABOVE-COUNTER RECEPTACLES THAT ARE READILY ACCESSIBLE AND WITHIN REACH OF PARTNERS SHALL BE GFCI TYPE.  
 BELOW-COUNTER RECEPTACLES, OR RECEPTACLES THAT ARE DIFFICULT TO REACH OR REQUIRE MOVING EQUIPMENT TO RESET, AND ARE NOT READILY ACCESSIBLE SHALL BE PROTECTED BY GFCI CIRCUIT BREAKERS.  
 WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, CONTACT CIRCUIT BREAKER MANUFACTURER AND PROVIDE GFCI TYPE CIRCUIT BREAKER THAT SERIES RATES WITH PANEL OVER CURRENT PROTECTION IF AVAILABLE.  
 WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, AND GFCI BREAKERS ARE NOT AVAILABLE, PROVIDE DEAD FRONT GFCIS IN A READILY ACCESSIBLE LOCATION TO SERVE RECEPTACLES THAT ARE NOT READILY ACCESSIBLE.

**KEY NOTES**

1. DUAL BREWER: PROVIDE NEMA 6-50R RECEPTACLE, HUBBELL HBL9450A SERIES OR EQUAL MOUNTED AT 30" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL. PROVIDE NEMA 14-50P RATED PLUG AND FORD, HUBBELL HBL9452G SERIES OR EQUAL.
2. ESPRESSO MACHINE: PROVIDE NEMA 6-50R RECEPTACLE, HUBBELL HBL9367 SERIES OR EQUAL MOUNTED AT 30" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL. PROVIDE NEMA 6-50P RATED PLUG, HUBBELL HBL9366 SERIES OR EQUAL.
3. WARMING OVEN: PROVIDE NEMA 6-30R RECEPTACLE MOUNTED AT 26" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL.
4. CUP LABELER OR MOBILE ORDER PRINTER: PROVIDE RECEPTACLE AND BACKBOX FOR DATA OUTLET MOUNTED AT 26" AFF. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGERS WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END.
5. FLOOR POWER/DATA: SEE PENETRATION PLAN FOR EXACT DIMENSIONING OR LOCATION.
6. POS: FURNISH AND INSTALL DOUBLE-DUPLEX MOUNTED AT 18" AFF. PROVIDE DEDICATED GROUND WIRE BACK TO SERVING PANEL. INSTALL (1) J-BOX FOR DATA OUTLET AND (1) J-BOX FOR PHONE OUTLET MOUNTED AT 18" AFF. SEE DETAILS ON E-601.
7. ALARM KEYPAD AND EMERGENCY CALL PHONE: MOUNT AT 64" AFF. ROUTE CONDUIT IN WALL FROM J-BOX AND STUB ABOVE CEILING.
8. ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
9. SHOW WINDOW OUTLETS (NEC 210.82) ARE EXISTING TO REMAIN (PROVIDED IN SHELL PACKAGE); MAINTAIN EXISTING CIRCUITING.
10. WATER FILTER SYSTEM: PROVIDE GFCI RECEPTACLE MOUNTED AT 78" AFF IF APPLICABLE.
11. RECEPTACLE FOR FUTURE USE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER'S REPRESENTATIVE.
12. DATA OUTLET FOR FUTURE USE: PROVIDE BACKBOX FOR DATA OUTLET MOUNTED AT 26" AFF. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGERS WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END.
13. PROVIDE RECEPTACLE FOR RINSE SINK MOUNTED AT 26" AFF. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
14. EXHAUST FAN: SHALL BE CONTACTOR CONTROLLED; FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE (SEE LIGHTING CONTROL DIAGRAM ON E-601). CONFIRM EXACT LOCATION WITH THE MECHANICAL CONTRACTOR.
15. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT(S) OF ALL CONVENIENCE RECEPTACLES WITH OWNER'S REPRESENTATIVE.
16. RECEPTACLE MOUNTED AT 80" AFF FOR ELECTRIC RELEASE DRIVE THRU WINDOW. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
17. DRIVE THRU AUTOMATIC SLIDER WINDOW: PROVIDE (1) CONDUIT AND J-BOX WITH 120V, 20A BRANCH CIRCUIT. SEE MANUFACTURER'S SPECIFICATIONS FOR FURTHER REQUIREMENTS.
18. HOT WATER RECIRCULATION PUMP: PROVIDE INTERMATIC ET1705CSPST TIME CLOCK AND MOTOR RATED SWITCH; PROVIDE 120V CONNECTION VIA TIME CLOCK AND MOTOR RATED SWITCH; FIELD VERIFY EXACT LOCATION.
19. PROVIDE RECEPTACLE FOR PLUG STRIP (PLUG STRIP MOUNTED BELOW COUNTER); COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
20. PROVIDE 4-SQUARE J-BOX FOR FRONT OF HOUSE STROBE LOCATION; SEE DETAIL ON E-501.
21. PROVIDE 4-SQUARE J-BOX FOR BACK OF HOUSE STROBE LOCATION; FIELD VERIFY EXACT LOCATION.
22. PROVIDE RECEPTACLE AND DATA OUTLET CENTERED HORIZONTALLY BEHIND MENU BOARD FOR FUTURE DIGITAL MENU BOARD. PROVIDE BACKBOX FOR DATA OUTLET. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGERS WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END. SEE INTERIOR ELEVATIONS FOR MENU BOARD LOCATIONS.
23. PROVIDE DOUBLE DUPLEX RECEPTACLE FOR UNDER COUNTER REFRIGERATOR AND FUTURE USE; SEE DETAIL ON E-601.
24. PROVIDE RECEPTACLE FOR DRIVE THRU AIR CURTAIN. VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE.



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

STOP



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 SCALE: AS SHOWN

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**E-101**