

**POWER PLAN** 1/4" = 1'-0" **A**

- A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.
- C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURERS SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE LISTED BY N.E.C.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURERS SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.
- J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.
- K. PER SECTION 210.8(9)(3) N.E.C., ALL 15A AND 20A, 120V RECEPTACLES IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES.
- L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- M. CONDUIT MAY RUN UNDER SLAB AT CONTRACTORS DISCRETION.

- N. E.C. SHALL PROVIDE A BURN-RESISTANT SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".
- O. PROVIDE ESCUTCHEON PLATE AND SEALANT FOR ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOOR. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.
- P. EMT SHALL BE USED FOR ALL WIREWAYS. ARMOR CABLE IS ALLOWED ONLY WHERE WIREWAYS ARE EASILY ACCESSIBLE. FOR EXAMPLE, EMT INSIDE WALLS AND ABOVE GYPSUM BOARD CEILINGS AND ARMOR CABLE ABOVE SUSPENDED CEILING SYSTEMS.
- Q. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONDUITED U.O.N.
- R. ALL OUTLETS IN PUBLIC AREAS SHALL BE LISTED AS "TAMPER-RESISTANT".
- S. G.F.C.I. DEVICES MUST BE INSTALLED IN ACCORDANCE WITH N.E.C. 240.24. ALTERNATIVELY A GFCI CONTROLLED BRANCH BREAKER CAN BE INSTALLED.
- T. ALL CONDUITS SHALL BE INSTALLED PER N.E.C. 430.102 & 300.7.
- U. ALL RECEPTACLES AND COVERPLATES SHALL MATCH DECOR.
- V. ALL OUTLETS SHALL BE FLUSH MOUNTED AT 15" A.F.F. TO THE CENTER OF OUTLET UNLESS NOTED OTHERWISE.
- W. 5mA GFCI BREAKERS MUST BE USED WHERE OUTLETS REQUIRE GFCI PROTECTION ARE NOT ACCESSIBLE FOR COMPLIANCE WITH N.E.C. 210.8, WHERE GFCI PROTECTION AND SHUNT TRIP BREAKERS ARE REQUIRED, A DEAD-FRONT GFCI DEVICE MUST BE USED.

1. PROVIDE JUNCTION BOX ABOVE CEILING WITH 3/4" CONDUIT TO INDOOR AND OUTDOOR UNITS. SEE SHEET E3.2.
2. INSTALL SURFACE MOUNTED IN CONDUIT RUNNING ON KITCHEN SIDE OF CABINETRY REAR WALL.
3. CONNECT "DRY PRODUCTION EVO LINE" CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO CIRCUIT BREAKER IN MAIN SWITCHBOARD (MSB) (REFER TO SHEET E2.0). VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE DRY PRODUCT LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
4. BUILT-IN BRANCH ELECTRIC PANEL "EVO" MOUNTED WITHIN EVO PRODUCTION LINE.
5. TANK-TYPE WATER HEATER. COORDINATE CONNECTION TYPE WITH EQUIPMENT ORDERED. MOUNT JUNCTION BOX ADJACENT TO UNIT AND PER N.E.C. REQUIREMENTS.
6. INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSER.
7. LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1 AND DETAIL "A", SHEET E2.0.
8. PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
9. FOR WALL MOUNTED HME. SEE QE3.1
10. PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.
11. PROVIDE REQUIRED WORKING SPACE/CLEARANCE PER THE N.E.C. CONTRACTOR TO CLEARLY IDENTIFY/INDICATE NOT LESS THAN 30"W X 36"D CLEARANCE AREA/WORKING SPACE (PER I.F.C. 605.3). IF EQUIPMENT IS LARGER THAN 30"WIDE, WORKING CLEARANCE/SPACE SHALL NOT BE LESS THAN EQUIPMENT'S WIDTH.

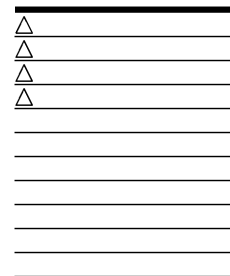
12. PROVIDE J-BOX ABOVE CEILING FOR POWER SOAK INDICATOR LIGHT.
13. PROVIDE A NEMA 5-20R GFCI SURFACE MOUNTED TO SWITCHGEAR STRUCTURE AT 24" A.F.F., WITH STEEL "IN-USE" COVER.
14. E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.
15. SEE DETAIL G, SHEET E7.0 FOR MOUNTING INFORMATION.
16. SEE DETAIL F, SHEET E3.1 FOR ISOLATED GROUND RECEPTACLE.
17. CONTRACTOR TO FIELD-VERIFY THE EXACT NUMBER OF RECEPTACLES REQUIRED TO BE SHUNT-TRIP CONTROLLED (UNDER A TYPE-1 FIRE SUPPRESSED HOOD). PROVIDE A FLUSH MOUNTED, GANGED OUTLET BOX AT 48" A.F.F. WITH THE APPROPRIATE NUMBER OF SPACES FOR EQUIPMENT TO BE SHUNTED. PROVIDE A 120-VOLT, 20-AMP, 1-POLE DEAD-FRONT GFCI DEVICE (ONE FOR EACH PIECE OF EQUIPMENT) MOUNTED IN BOX DE-RATE DEVICES, IN BOX AS REQUIRED BY THE N.E.C. PROVIDE SHUNT-TRIP CONTROL, IN PANEL AS INDICATED ON PANEL SCHEDULE. SEE DETAIL "A", E7.0.
18. NOT USED.
19. NOT USED.
20. NOT USED.
21. JUNCTION BOX FOR COOLER/FREEZER HEAT TRACE LOCATED IN UNIT.
22. OUTLET FOR CO2 MONITOR. INSTALL PER MANUFACTURERS SPECIFICATIONS AND CURRENTLY ADOPTED EDITION OF THE I.B.C.
23. ANSUL JUNCTION BOX. LOCATE ABOVE CEILING. SEE DETAIL D, SHEET E7.0.
24. JUNCTION BOX (ABOVE ACCESSIBLE CEILING) FOR "FIELD" WIRING TO FAN SYSTEM CONTROL BOX, EXHAUST AND ROOM TEMPERATURE SENSORS, LIGHT AND FAN SWITCHES FURNISHED WITH HOOD SYSTEM CONTROL BOX. PROVIDE 115V POWER TO CONTROLLER CONTROL BOX IS SUPPLIED WITH EXHAUST AND SUPPLY FAN TERMINATIONS. ROUTE FAN BRANCH CIRCUITS THRU HOOD CONTROLLER TO DISCONNECTS, MOUNTED TO FANS, ON

- ROOF. REFER TO HOOD DRAWINGS FOR CONTROL WIRING DIAGRAM AND ELECTRICAL CONTRACTOR RESPONSIBILITIES.
- 25. NOT USED.
- 26. TBCCB-3 W/O/S CONTROL BOX (RELAY PANEL) SEE SHEET E6.0 FOR ADDITIONAL INFORMATION.
- 27. MOUNTED ABOVE CEILING. DETERMINE EXACT LOCATION IN FIELD.
- 28. NOT USED.
- 29. PROVIDE A UNDERFLOOR TRENCH BETWEEN LOW-WALL AND KITCHEN WALL, AS SHOWN COORDINATE WITH OTHER DISCIPLINES AS NEEDED. CONTRACTOR TO FIELD-VERIFY THE EXACT NUMBER OF CONDUITS REQUIRED FOR LOW-WALL MOUNTED ORDER KIOSK POWER/COMMUNICATIONS. INSTALL BELOW-GRADE PER BURIAL REQUIREMENTS IN THE N.E.C. FOR THE ENVIRONMENT ENCOUNTERED.

**POWER PLAN GENERAL NOTES** **C**

**KEY NOTES** **B**

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**CONTRACT DATE:** 11/17/20  
**BUILDING TYPE:** ENDEAVOR MED 40  
**PLAN VERSION:** SEPT 2020  
**BRAND DESIGNER:** 200109  
**SITE NUMBER:** 297222  
**STORE NUMBER:** 003717  
**ARCVISION:** 200188

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**POWER FLOOR PLAN**  
**E3.0**