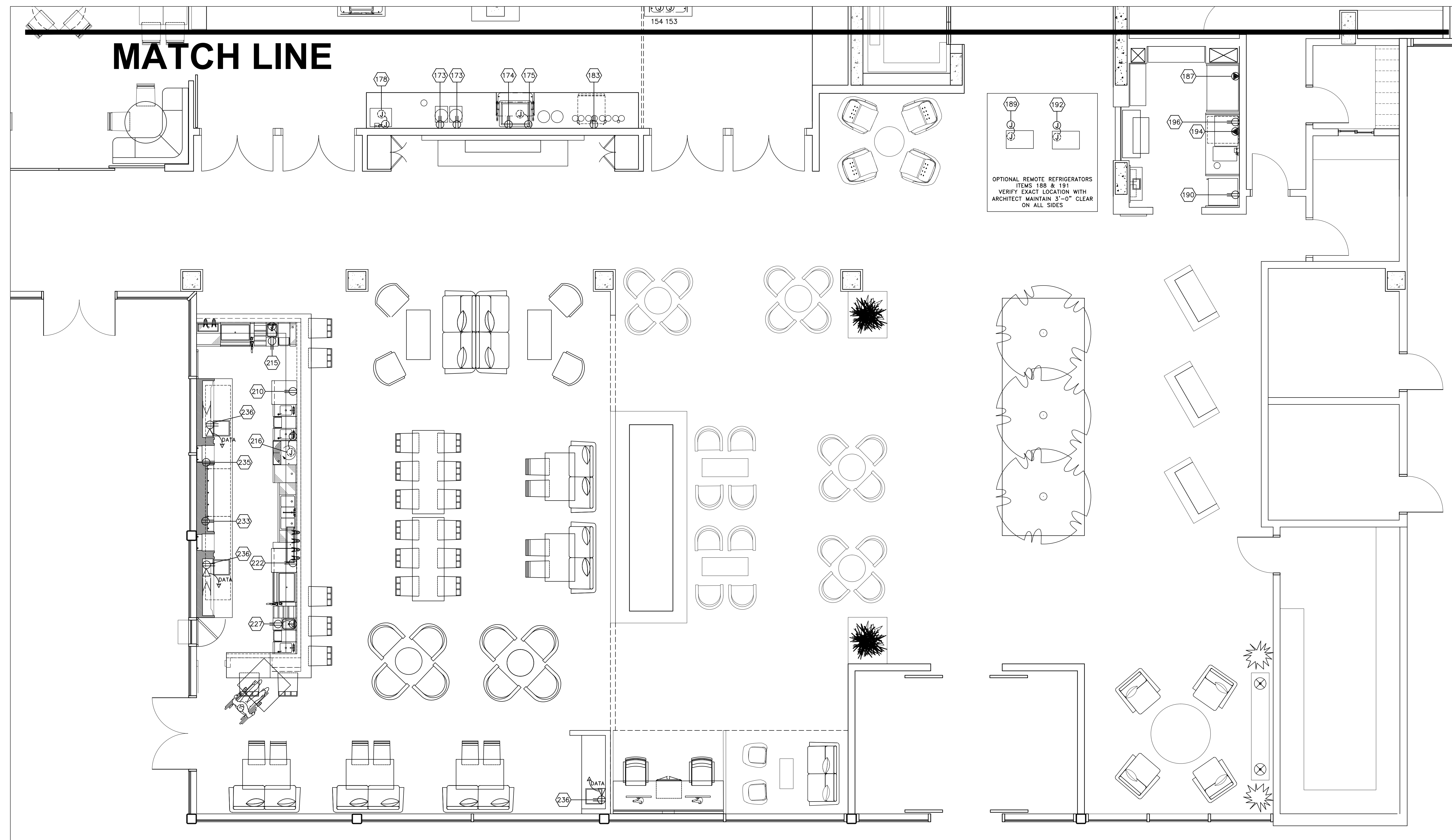
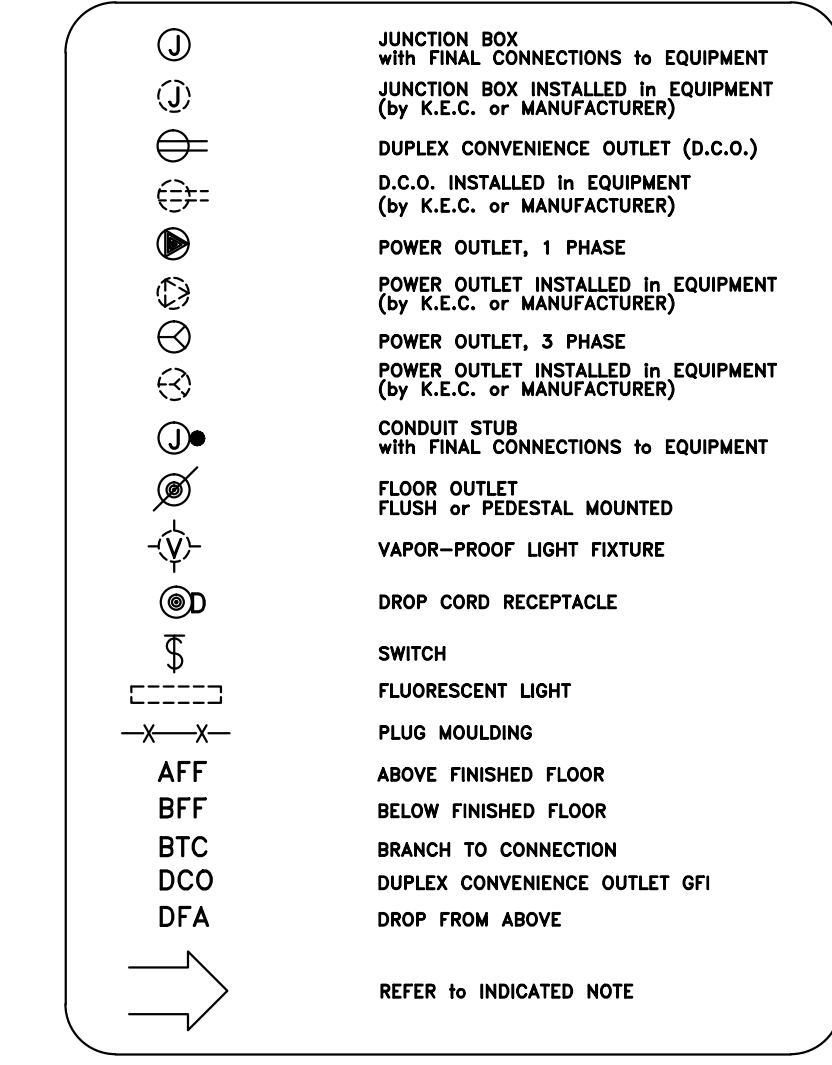


1 FOOD SERVICE ELECTRICAL PLAN Scale: 1/4"=1'-0"

- RELATED ELECTRICAL REQUIREMENTS**
PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT
- A. GENERAL NOTES:**
1. ALL WORK INDICATED ON THIS ELECTRICAL ROUGH-IN PLAN MUST BE COMPLETED BY OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR AND MUST COMPLY WITH ALL LOCAL CODES AND REGULATIONS.
 2. THIS ELECTRICAL ROUGH-IN PLAN IS PROVIDED FOR INFORMATION ONLY. IT IS BASED ON A 60 HERTZ ELECTRICAL SYSTEM AND IT INCLUDES MINIMUM GUIDELINES ONLY AND IT DOES NOT COVER ALL OUTLET TYPES, LOCATIONS, LOADS AND CONNECTION POSITIONS. ONLY FURNISH ANY ADDITIONAL OUTLETS AS REQUIRED BY LOCAL CODES OR REQUESTED BY OWNER. REFER TO ARCHITECTURAL OR ENGINEERING PLANS FOR ANY ADDITIONAL ELECTRICAL REQUIREMENTS.
 3. REFER TO APPROVED SHOP DRAWINGS FOR SUPPLEMENTAL CONNECTIONS AND INSTALLATION REQUIREMENTS FOR THE FOODSERVICE EQUIPMENT INDICATED ON THIS PLAN.
 4. ELECTRICAL REQUIREMENTS FOR EXISTING AND OWNER OR SURVEYOR PROVIDED EQUIPMENT MUST BE VERIFIED WITH THE EQUIPMENT. THESE PLANS ARE MINIMUM GUIDELINES ONLY AND MUST BE VERIFIED, FURNISH SERVICES AND MAKE ALL FINAL CONNECTIONS AS REQUIRED. CONTACT EQUIPMENT PROVIDER FOR LOCATION OR SPECIFICATIONS FOR THIS EQUIPMENT.
 5. EXPOSED ELECTRICAL SERVICES STUBBED UP OUT OF THE FLOOR MUST BE PROTECTED AND INSTALLED IN A MANNER WHICH WILL PREVENT DAMAGE FROM WATER OR IF NOT BY PORTABLE KITCHEN EQUIPMENT, HEAVILY LOADED CARTS OR FLOOR CLEANING EQUIPMENT.
 6. PRIOR TO THE INSTALLATION OF THE FOODSERVICE EQUIPMENT, THE EQUIPMENT CONTRACTOR MUST CONFIRM THAT ELECTRICAL WIRING HAS BEEN PULLED THROUGH JUNCTION BOXES AND THAT THE LIGHTING FIXTURES ARE WORKING.
- B. ELECTRICAL CONTRACTORS NOTES:**
ELECTRICAL ENGINEER IS RESPONSIBLE FOR SPECIFYING THE FOLLOWING: ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FOLLOWING, AND FOR MAKING ALL FINAL CONNECTIONS TO FOODSERVICE EQUIPMENT SHOWN ON THIS PLAN UNLESS OTHERWISE NOTED.
1. ALL WIRING, WIRING CONDUITS, JUNCTION BOXES, ELECTRICAL OUTLETS, SWITCHES, COVER PLATES, PLUS MOUNTING, ETC. AS SHOWN ON PLAN AND NOT PROVIDED BY OTHERS. FOR ALL OF THE ELECTRICAL SERVICE LINES IN WALLS OR CONCEALED MANNER, WHEREVER POSSIBLE, ALL EXPOSED SERVICES, COMPONENTS AND CONNECTIONS TO BE VAPOR TIGHT.
 2. ALL DISCONNECTS OR OTHER DEVICES AS REQUIRED BY LOCAL CODES. DO NOT LOCATE DISCONNECTS OR OTHER DEVICES OTHER THAN JUNCTION BOX CONNECTIONS OR COORD AND PLUS RECEPTACLES) BEHIND COOKING EQUIPMENT OR BELOW EXHAUST HOOD ASSEMBLIES.
 3. ALL SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE SUPPRESSION SYSTEM SHUT-OFF OF ALL ELECTRICAL BELOW AND IN EXHAUST HOODS AND VENTILATORS, INTERFERED WITH THE SUPPRESSION SYSTEM, AS REQUIRED BY N.F.P.A., STANDARDS AND ANY LOCAL CODES AND REGULATIONS.
 4. ALL RECEPTACLES, OUTLETS AND CORD AND PLUS ASSEMBLIES TO BE N.E.M.A. SIZED, U.L. APPROVED AND RATED FOR THE SERVICE INDICATED ON THESE PLANS. PROVIDE GFCI RECEPTACLES AS REQUIRED BY THE NEC AND LOCAL CODES.

- RELATED ELECTRICAL REQUIREMENTS**
PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT
- B. ELECTRICAL CONTRACTORS NOTES - CONTINUED:**
5. AT ALL WALK-IN COOLER / FREEZER LOCATIONS SHOWN ON THIS PLAN:
 - a. ALL VAPOR PROOF LIGHT FIXTURES, AS PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.
 - b. ALL DISCONNECTS AND SWITCHES AT BLOWER COILS.
 - c. ALL VAPOR PROOF DUPLEX CONVENIENCE OUTLETS AS INDICATED ON THIS PLAN.
 - d. ALL INTERCONNECTIONS FOR ELECTRICAL COMPONENTS IN THE WALK-IN COOLER / FREEZER COMPARTMENTS.
 - e. ALL INTERCONNECTIONS FOR FREEZER EVAPORATORS AND COMPRESSORS. VERIFY EXACT WIRE SIZES WITH MANUFACTURERS SPECIFICATIONS.
 6. ALL WIRING AND CONDUITS INTO WALK-IN COOLER / FREEZER COMPARTMENTS FOR THE FOLLOWING:
 - a. EACH EVAPORATOR COIL.
 - b. EACH VAPOR PROOF CEILING LIGHT.
 - c. EACH PERSONNEL ALARM SWITCH AND LIGHT.
 - d. EACH DOOR HEATER AND ANY DRAIN HEATERS REQUIRED.
 - e. EACH HIGH TEMPERATURE WARNING ALARM SYSTEM.
 7. ALL PENETRATIONS FOR THE REQUIRED SERVICES MUST BE MADE THROUGH THE CEILING INSULATION AND ARE REQUIRED TO BE VAPOR TIGHT. ALL CONDUITS TO RUN ABOVE THE WALL-TOP COMPARTMENTS. DO NOT INSTALL CONDUIT RUNS INSIDE OF WALK-IN COMPARTMENTS.
 8. ALL COMPRESSOR LOADS SHOULD BE SIZED FOR APPROXIMATELY 2500 WATTS PER HORSE POWER, OR AS PER NATIONAL ELECTRICAL CODE. VERIFY EXACT REQUIREMENTS WITH MANUFACTURERS NAME PLATE DATA.
 9. ALL WIRING TO AND INTERFERING BETWEEN THE FOLLOWING EXHAUST HOOD/VENTILATOR COMPONENTS:
 - a. ELECTRICAL SERVICES TO WATER-WASH/UV CONTROL PANELS. EXACT REQUIREMENTS FOR THE NUMBER OF WIRES AND ELECTRICAL SERVICE MUST BE VERIFIED WITH THE APPROVED SHOP DRAWINGS AND COMPLY WITH LOCAL CODES AND REGULATIONS.
 - b. CONTROL WIRING FROM WATER-WASH/UV CONTROL PANEL TO EACH HOOD SECTION FOR DAMPERS, SOLENOIDS AND LIGHTS.
 - c. CONTROL WIRING FROM WATER-WASH/UV CONTROL PANEL TO EXHAUST AND SUPPLY FANS. THESE FANS SHOULD BE ELECTRICALLY INTERLOCKED.
 - d. FIRE SYSTEMS CONTROL INTERFERING BETWEEN FIRE SUPPRESSION SYSTEMS, CONTROL PANELS AND REMOTE FIRE CONTROLS SHUT-OFFS.
 - e. CONTROL WIRING FROM WATER-WASH/UV CONTROL PANEL TO EACH REMOTE DETERGENT PUMPS.
 - f. SWITCHES/CONTROLS FOR EXHAUST HOODS/VENTILATORS, EXHAUST FANS, SUPPLY FANS, MAKE-UP FANS AND WIND COMPONENTS AS SPECIFIED BY THE MECHANICAL ENGINEER.
 10. ALL REQUIRED MATERIALS TO MAKE FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHOWN ON THIS PLAN.
 11. AVOID LOCATING ELECTRICAL PANELS BEHIND FOODSERVICE EQUIPMENT. REFER TO EQUIPMENT PLANS FOR THE LOCATIONS EQUIPMENT THAT DOES NOT APPLY ON THIS ELECTRICAL ROUGH-IN PLAN.

- RELATED ELECTRICAL REQUIREMENTS**
PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT
- B. ELECTRICAL CONTRACTORS NOTES - CONTINUED:**
12. AN ISOLATED CIRCUIT WITH A CLEAN EARTH GROUND FOR ALL OWNER PROVIDED POINT OF SALE EQUIPMENT, CREDIT CARD SCANNERS AND VALIDATION MACHINES. VERIFY ELECTRICAL REQUIREMENTS WITH OWNER AND EQUIPMENT.
 13. INTERCONNECT WASTE PULPER CONTROL PANEL WITH PULPER, EXTRACTOR AND REMOTE STOP-START STATIONS, AS PER MANUFACTURERS SPECIFICATIONS.
 14. FOR FLOOR PENETRATION ROUGH-INS, UTILIZE A SINGLE CONDUIT STOP-UP FOR MULTIPLE CIRCUITS, WHENEVER POSSIBLE.
 15. FLOOR RECEPTACLES SHOULD BE VAPOR-PROOF FLUSH TYPE, UNLESS OTHERWISE NOTED.
 16. THIS COUNTER OR TABLE WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR (KEC) COMPLETELY PRE-WIRED WITH A BUILT-IN CIRCUIT BREAKER. THE MINI-PANEL, INCOMING SERVICE SIZE, VOLTAGE AND PHASE ARE TO BE DETERMINED BY THE ELECTRICAL ENGINEER, FROM THE INDIVIDUAL LOADS NOTED ON THE SCHEDULE. THE KEC IS RESPONSIBLE FOR COORDINATING THE MINI-PANEL WITH THIS INCOMING SERVICE INFORMATION.
 17. THIS COUNTER OR TABLE WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR COMPLETELY. WITH PUTS TAGGED WITH THE REQUIREMENTS AND IDENTIFICATION OF THE EQUIPMENT THEY SERVE. READY FOR FINAL CONNECTIONS BY THE ELECTRICAL CONTRACTOR. ELECTRICAL COMPONENTS PRE-WIRED TO THIS FULL-BOX ARE AS NOTED ON THE SCHEDULE. NO CIRCUIT BREAKERS WILL BE PROVIDED OR SPACE FOR THEM WITHIN THE COUNTER OR TABLE, BY THE KEC.
 18. THIS COUNTER OR TABLE IS NOT PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. E.C. IS TO PROVIDE ALL RECEPTACLES, JUNCTION BOXES, CONDUIT AND WIRE. ALL CONNECTIONS BY THE E.C. MUST MEET HEALTH DEPARTMENT AND UL GUIDELINES.
- C. ADDITIONAL NOTES**
1. EXHAUST HOODS REQUIRE TWO (2) ELECTRICAL CONNECTIONS. ONE FOR HOOD LIGHTS AND ONE FOR EXHAUST FAN TEMPERATURE TIME SENSORS. SEE HOOD DRAWINGS.
 2. WALK-IN COOLERS & FREEZERS, E.C. TO PROVIDE CONDUIT FOR CONTROL WIRE FROM EVAPORATOR TO CONDENSER.
 3. K.E.C. TO PROVIDE AND INSTALL 1" INDIRECT DRAIN LINE FROM WALK-IN EVAPORATOR COILS TO FLOOR DRAIN. DRAIN LINES TO BE INSULATED AND WRAPPED WITH HEAT TAPE, IN FREEZER BY K.E.C.
 4. E.C. TO INTERWIRE DISHWASHER EXHAUST FAN TO DISHWASHER.



2 FOOD SERVICE ELECTRICAL PLAN Scale: 1/4"=1'-0"

DRAWN	
310	
CHECKED	
DTS	
DATE	
03-16-2017	

REVISIONS	
ISSUED FOR	DATE

Hilton Embassy Suites
FOOD SERVICE ELECTRICAL PLAN

QF408

NOT FOR CONSTRUCTION

