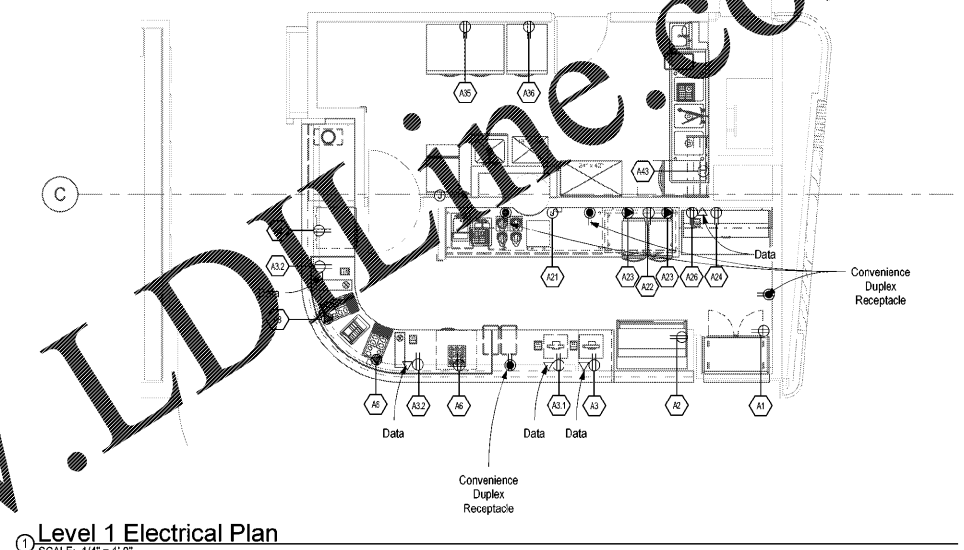
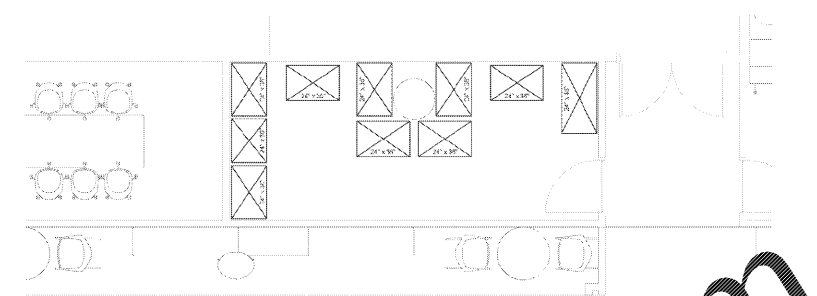


E
D
C
B
A

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Level 1 Electrical Plan
SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES
THE NOTES BELOW MAY APPLY TO ONE OR ALL DESIGN, CONSTRUCTION, OR MAINTENANCE PHASES OF THIS PROJECT.
GENERAL NOTES
1. THE SIGNED KITCHEN EQUIPMENT CONTRACTOR SHALL PERFORM A PRELIMINARY PROJECT REVIEW OF ALL CURRENT CONTRACT DOCUMENTS THAT APPLY TO FOODSERVICE ZONES AND EQUIPMENT. KITCHEN EQUIPMENT CONTRACTOR SHALL GENERATE ENGINEERING INDEPENDENT OF THIS SHEET CONFORMING TO FIELD CONDITIONS WHERE REQUIRED AND MANUFACTURER'S REQUIREMENTS FOR EQUIPMENT SPECIFIED AND THIS IS INTENDED TO BE PURCHASED AND SET IN PLACE.
2. ALL ELECTRICAL WORK SHOWN ON THIS PLAN MUST COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS AS THEY APPLY TO FOODSERVICE EQUIPMENT AND ZONES.
3. ALL WORK SERVICES, INTERCONNECTIONS, FIELD CONNECTIONS, AND FINAL CONNECTIONS INDICATED ON THIS PLAN SHALL BE COMPLETED BY CONTRACTORS OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR UNLESS SPECIFICALLY ASSIGNED TO THE KITCHEN EQUIPMENT CONTRACTOR.
4. THIS PLAN IS INTENDED TO SHOW ELECTRICAL REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY. ELECTRICAL INFORMATION IS BASED ON A RERT ELECTRICAL SYSTEM AND IS INTENDED TO SHOW FOODSERVICE FIXTURES AND EQUIPMENT RECEPTACLE TYPES, LOCATIONS, LOADS, AND CONNECTION POSITIONS ONLY. FURNISH ANY ADDITIONAL RECEPTACLES AS REQUIRED BY LOCAL CODES OR AS REQUESTED BY OWNER. REFER TO ARCHITECTURAL/ENGINEERING PLANS FOR SCOPE OUTSIDE OF FOODSERVICE EQUIPMENT.
5. THIS DRAWING IS ISSUED FOR DESIGN INTENT PURPOSES ONLY. REFER TO THE KITCHEN EQUIPMENT CONTRACTOR'S DIMENSIONED ROUGH-IN DRAWINGS AND APPROVED SHOP DRAWINGS FOR SUPPLEMENTAL COORDINATION AND INSTALLATION REQUIREMENTS FOR FOODSERVICE EQUIPMENT ON THIS PLAN.
6. ALL EQUIPMENT PROVIDED BY OTHERS INCLUDING BY OWNER/OPERATOR/PROPERTY, SHOWN ON THIS PLAN ARE MINIMUM GUIDELINES ONLY. VERIFY INFORMATION, TECHNICAL DATA, AND SPECIFICATIONS FOR THIS EQUIPMENT. GENERAL CONTRACTOR AND KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND MAKE FINAL ROUGH-IN CONNECTIONS AS REQUIRED.

7. EXISTING, TO REMAIN IN PLACE, OR TO BE RELOCATED EQUIPMENT SHOWN ON THIS PLAN ARE MINIMUM GUIDELINES ONLY AND MUST BE VERIFIED. CONTACT EQUIPMENT CONTRACTOR FOR INFORMATION, TECHNICAL DATA, AND SPECIFICATIONS FOR THIS EQUIPMENT. GENERAL CONTRACTOR TO VERIFY, DISCONNECT, AND MAKE FINAL ROUGH-IN CONNECTIONS AS REQUIRED.
8. ENGINEERS SHALL PROVIDE AT LEAST 1% ADDITIONAL POWER THAN THE MINIMUM REQUIRED WITHIN KITCHEN/CULINARY ZONES FOR CURRENT OR FUTURE EQUIPMENT NEEDS.
9. ANY EXPOSED LOCATION SERVICE STUBBED UP OUT OF THE FLOOR MUST BE PROTECTED AND INSTALLED IN A MANNER THAT WILL PREVENT DAMAGE FROM WATER OR BY COLLISION WITH PORTABLE KITCHEN EQUIPMENT, HEAVILY-LOADED CARTS, OR FLOOR CLEANING EQUIPMENT.
10. PRIOR TO THE INSTALLATION OF FOODSERVICE EQUIPMENT, THE KITCHEN EQUIPMENT CONTRACTOR MUST CONFIRM THAT ELECTRICAL WIRING HAS BEEN PULLED THROUGH JUNCTION BOXES AND THAT LIGHTING FIXTURES ARE WIRING.
E-B ELECTRICAL NOTES
ELECTRICAL ENGINEER IS RESPONSIBLE FOR SPECIFYING THE FOLLOWING: ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAKING FINAL CONNECTIONS TO FOODSERVICE EQUIPMENT AND SHALL PROVIDE THE FOLLOWING:
1. ALL WIRING, WIRING CONDUITS, JUNCTION BOXES, ELECTRICAL RECEPTACLES, SWITCHES, COVER PLATES, PLUG MOLDING, ETC. AS SHOWN ON PLAN AND NOT PROVIDED BY OTHERS. RUN ALL OF THE ELECTRICAL SERVICE LINES IN WALLS OR CONCEALED WHEREVER POSSIBLE. ALL EXPOSED SERVICES, COMPONENTS AND CONNECTIONS SHALL BE VAPOR AND WATER 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 CONDUIT & PLUG RECEPTACLES) BEHIND COOKING EQUIPMENT OR BEHIND 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 INTERMEDIATE WITH FIRE SUPPRESSION AS REQUIRED BY NFPA STANDARDS.
4. ALL RECEPTABLES, CONDUIT & PLUG ASSEMBLIES TO BE NEAR SIZED, I.A. APPROVED, AND RATED FOR THE SERVICE INDICATED ON THESE PLANS. PROVIDE GFCI RECEPTABLES AS REQUIRED BY THE NEC AND LOCAL CODES. ENSURE THAT GFCI RECEPTABLES AND NOT BREAKERS ONLY ARE ALLOWED FOR APPLICABLE FOODSERVICE EQUIPMENT.
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 RECEPTABLES AS INDICATED ON THIS PLAN.
D. ALL INTERCONNECTIONS FOR ELECTRICAL COMPONENTS IN THE WALK-IN COOLER/FREEZER COMPARTMENTS.
E. ALL INTERCONNECTIONS AND SWITCHES FOR FREEZER EVAPORATORS AND COMPRESSORS.
F. VERIFY EXACT WIRE SIZES WITH MANUFACTURER'S SPECIFICATIONS. KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE WIRING DIAGRAM FOR ALL WIRING REQUIRED FOR WALK-IN COOLER/FREEZER COMPARTMENTS.
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 FREEZER COIL DRAIN HEATERS REQUIRED.
E. EACH HIGH-TEMPERATURE WARNING ALARM SYSTEM ALL PENETRATIONS MUST BE VAPOR-TIGHT. ALL CONDUIT TO RUN ABOVE THE WALK-IN COMPARTMENTS. INSTALLATION OF CONDUIT LINE RUNS INSIDE OF WALK IN COMPARTMENTS IS PROHIBITED.

7. ALL WIRING TO AND INTERWIRING BETWEEN EXHAUST HOOD COMPONENTS, INCLUDING, BUT NOT LIMITED TO: CONTROL SYSTEMS AND WIRING, DAMPERS, SLEEVES, LIGHTS, VFDs, FIRE SUPPRESSION SYSTEMS, BUILDING MANAGEMENT SYSTEM, ETC. AS SHOWN ON MANUFACTURER'S DRAWINGS AND ON MECHANICAL ENGINEER'S DRAWINGS.
8. SWITCHES/CONTROLS FOR EXHAUST HOODS, EXHAUST FANS, SUPPLY FANS, MAKEUP FANS, AND HVAC COMPONENTS AS SPECIFIED BY THE MECHANICAL ENGINEER.
9. ALL REQUIRED MATERIALS TO MAKE FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHOWN ON THIS PLAN.
10. FOR FLOOR PENETRATION ROUGH-INS, UTILIZE A SINGLE CONDUIT STUB-UP FOR MULTIPLE CIRCUITS WHEREVER POSSIBLE.
11. FLOOR RECEPTABLES IN FRONT OF HOUSE, NON-KITCHEN AREAS, BUT UTILIZED BY SERVICE TEAM SHOULD BE VAPOR-PROOF FLUSH TYPE, UNLESS OTHERWISE NOTED. NO FLUSH TYPE RECEPTABLES SHALL BE INSTALLED IN KITCHEN AREAS.
12. INTERCONNECT/INTERMEDIATE FOOD WASTE SYSTEM CONTROL PANEL WITH FOOD WASTE SYSTEM COMPONENTS AS SHOWN ON MANUFACTURER'S DRAWINGS.
13. WHERE INDICATED, THIS COUNTER OR TABLE WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR COMPLETELY PRE-WIRED TO A BUILT-IN CIRCUIT BREAKER MINI-PANEL (AND CENTER-SIZED AS SPECIFIED BY THE ELECTRICAL ENGINEER PER THE INDIVIDUAL EQUIPMENT REQUIREMENTS NOTED ON THE PLANS AND SCHEDULES. ALL FINAL CONNECTIONS, INCLUDING INTERWIRING BETWEEN COUNTER SEGMENTS, TO BE MADE BY THE ELECTRICAL CONTRACTOR. DATA LINE RUNS SHALL BE SEPARATE FROM ELECTRICAL CONDUIT AND TERMINATE WITH DATA PULL BOX. DATA LINE RUNS AND FINAL DATA CONNECTIONS BY ELECTRICAL CONTRACTOR.
14. WHERE INDICATED, THIS COUNTER OR TABLE WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR COMPLETELY PRE-WIRED TO A BUILT-IN ACCESSIBLE PULL BOX WITH RIGTALS TAGGED WITH THE REQUIREMENTS AND IDENTIFICATION OF THE EQUIPMENT THEY SERVE. ELECTRICAL COMPONENTS PRE-WIRED TO THIS PULL BOX ARE AS NOTED ON THE PLANS AND SCHEDULES. ALL FINAL CONNECTIONS, INCLUDING INTERWIRING BETWEEN COUNTER SEGMENTS, TO BE MADE BY THE ELECTRICAL CONTRACTOR. DATA LINE RUNS SHALL BE SEPARATE FROM ELECTRICAL CONDUIT AND TERMINATE WITH DATA PULL BOX. DATA LINE RUNS AND FINAL DATA CONNECTIONS BY ELECTRICAL CONTRACTOR.

15. WHERE INDICATED, THIS COUNTER OR TABLE WILL BE PROVIDED BY THE GENERAL CONTRACTOR COMPLETELY PRE-WIRED TO A BUILT-IN ACCESSIBLE PULL BOX WITH RIGTALS TAGGED WITH THE REQUIREMENTS AND IDENTIFICATION OF THE EQUIPMENT THEY SERVE. ELECTRICAL COMPONENTS PRE-WIRED TO THIS PULL BOX ARE AS NOTED ON THE PLANS AND SCHEDULES. ALL FINAL CONNECTIONS, INCLUDING INTERWIRING BETWEEN COUNTER SEGMENTS, TO BE MADE BY THE ELECTRICAL CONTRACTOR. DATA LINE RUNS SHALL BE SEPARATE FROM ELECTRICAL CONDUIT AND TERMINATE WITH DATA PULL BOX. DATA LINE RUNS AND FINAL DATA CONNECTIONS BY ELECTRICAL CONTRACTOR.
E-C ADDITIONAL NOTES

Electrical Symbol Legend

	TAG INDICATING DEVICE INSTALLED IN EQUIPMENT (BY KEC OR MANUFACTURER)
	PRE-WIRED BREAKER PANEL, INSTALLED IN EQUIPMENT (BY KEC OR MANUFACTURER)
	PULL BOX INSTALLED IN EQUIPMENT (BY KEC OR MANUFACTURER)
	CONDUIT STUB WITH FINAL CONNECTIONS TO EQUIPMENT
	DUPLEX RECEPTACLE (DR)
	POWER RECEPTACLE, 1 PHASE
	POWER RECEPTACLE, 3 PHASE
	DROP RECEPTACLE - COORD (DR)
	FLOOR RECEPTACLE, FLUSH OR PEDESTAL MOUNTED
	VAPOR-PROOF LIGHT FIXTURE
	DATA
	SWITCH (SW)
	LOW TEMP. LED LIGHT FIXTURE
	PLUG MOLDING
	ABOVE FINISHED FLOOR
	BELOW FINISHED FLOOR
	BRANCH TO CONNECTION
	DOWN FROM ABOVE
	REFER TO INDICATED NOTE

NC State - Jordan Hall

NC State

121 Peele Hall, Raleigh, NC 27695

FOR INFORMATION ONLY
PRELIMINARY - NOT FOR CONSTRUCTION

ISSUE DATE: 08.24.2020
PHASE: BID SET

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