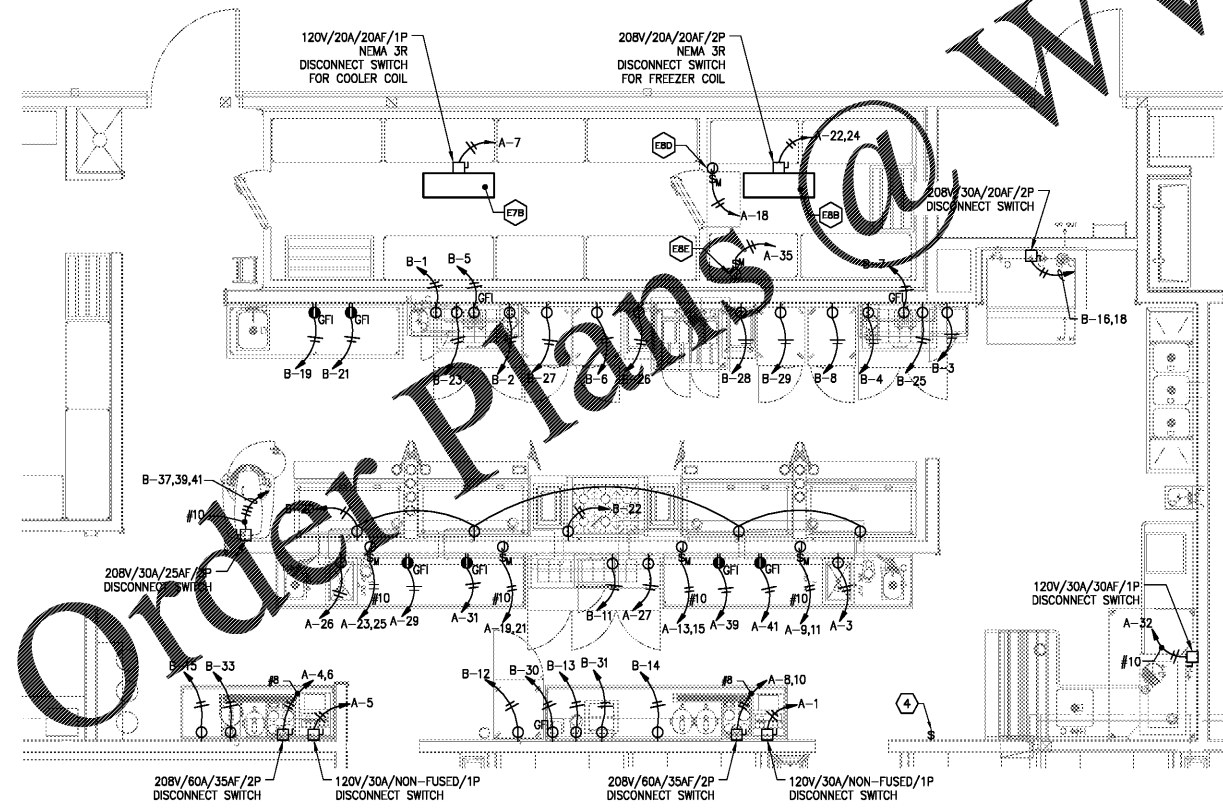


KITCHEN EQUIPMENT PLAN
1/4" = 1'-0"



KITCHEN EQUIPMENT ELECTRICAL PLAN
1/4" = 1'-0"

KITCHEN ELECTRICAL NOTES

- A. ALL COVERPLATES AND DISCONNECT SWITCHES IN KITCHEN AREA SHALL BE STAINLESS STEEL.
- B. ALL ELECTRICAL WORK FOR FOOD SERVICE EQUIPMENT SHALL BE COMPLETELY INTERWIRED BY ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX, AND ALL ELECTRICAL WORK FROM PANEL BOARDS, TO BE BY THE ELECTRICAL CONTRACTOR.
- C. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOOD SERVICE EQUIPMENT. ALL WORK TO BE IN COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES APPLICABLE.
- D. VERIFY OUTLET RATING AND CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- E. VERIFY EXACT LOCATION AND MOUNTING HEIGHTS OF ALL OUTLETS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- F. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL PLUGS AND CORDS REQUIRED. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURER AND EQUIPMENT.
- G. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL JUNCTION BOXES, PVC OR METAL CONDUIT, CONVENIENCE OUTLETS WITH COVERS, SWITCHES CONNECTORS, CONTROLS, AND OTHER ACCESSORIES THAT ARE NOT AN INTEGRAL PART OF THE FOOD SERVICE EQUIPMENT AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE FOOD SERVICE EQUIPMENT FOR A COMPLETE AND FUNCTIONAL OPERATION MEETING ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES.
- H. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL DISCONNECTS OR CIRCUIT BREAKERS AS REQUIRED BY CODES FOR EACH CONNECTION. COORDINATE LOCATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.
- I. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL WALL SWITCHES FOR FACTORY INSTALLED LIGHTING FIXTURES IN EXHAUST VENTILATOR HOODS PER APPLICABLE STATE AND LOCAL CODES APPLICABLE. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRE AND CONDUIT TO EACH LIGHT FIXTURE. THE ELECTRICAL CONTRACTOR SHALL FULLY CONDUIT WIRING BETWEEN POWER SOURCE, WALL SWITCH, AND JUNCTION BOX ON HOOD. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN INNER WIRING OF LIGHT FIXTURE BETWEEN VENTILATOR HOOD SECTION IS REQUIRED. ALL WIRING WITH HOOD AND POWER SOURCE TO BE STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS #96 AND ALL OTHER APPLICABLE CODES.
- J. IN ACCORDANCE WITH NFPA #96 AND MANUFACTURER'S RECOMMENDATIONS, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A PUSH BUTTON OPERATION WITH PILOT LIGHT FOR VENTILATOR FAN MOTOR(S). THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR AND TO PROVIDE ALL REQUIRED WIRING FROM POWER SUPPLY THROUGH FAN SWITCH TO FAN MOTOR(S) AND PROVIDE MAGNETIC STARTERS AND FULLY INTERWIRE SYSTEM WITH ALL POWER INTERRUPTION DEVICES(S) BLIND INTO HOOD AND FIRE PROTECTION SYSTEM AS REQUIRED BY NFPA #96, NATIONAL, STATE AND/OR LOCAL CODES APPLICABLE. ELECTRICAL CONTRACTOR TO PROVIDE LOCK-OUT DEVICES ON CONTROL BOXES FOR EXHAUST HOOD FANS, SYSTEM AND FIRE PROTECTION SYSTEM.
- K. ELECTRICAL CONTRACTOR TO PROVIDE, INSTALL AND FULLY WIRE PANEL "B" DEDICATED BREAKER WITH SHUNT-TRIP IN PANELBOARD "MSB" FOR SHUT DOWN OF FUEL AND POWER TO COOKING EQUIPMENT AS REQUIRED BY NFPA #96 AND ALL OTHER NATIONAL, STATE, OR LOCAL CODES APPLICABLE. THE HOLDING COILS FOR SHUNT-TRIP BREAKERS SHALL BE WIRED TO A 120 VOLT/SINGLE PHASE CONTROL CIRCUIT BY THE ELECTRICAL CONTRACTOR AND EXTENDED THROUGH A CONTACTOR AND MAINTAINED BY A PRESSURE SWITCH LOCATED AT THE MOUNTING BRACKET OF THE CHEMICAL CYLINDER FOR HOOD PROTECTION. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE, INSTALL, AND FULLY INTERWIRE WITH RELAY SWITCH, AND ADDITIONAL RELAY OR SWITCHES REQUIRED TO INTERFACE FIRE PROTECTION SYSTEM WITH FAN VENTILATOR MOTORS AND BUILDING ALARM SYSTEMS AS REQUIRED BY NFPA #96, NATIONAL, STATE, AND LOCAL CODES APPLICABLE. COORDINATE WITH FIRE SUPPRESSION CONTRACTOR FOR LOCATION OF FIRE SUPPRESSION SYSTEM, AND GAS SHUT-OFF VALVE AS PART OF THE COMPLETE SYSTEM AS APPLICABLE.
- L. AT THE REMOTE FIRE CABLE PULL. ELECTRICAL TRADES TO PROVIDE EMPTY JUNCTION BOX AT 54" AFF AND CONDUIT CONCEALED IN WALL TO 6" ABOVE FINISHED CEILING. COORDINATE EXACT REQUIREMENTS WITH FOOD SERVICE EQUIPMENT TRADE AND FIRE SUPPRESSION CONTRACTOR.
- M. ELECTRICAL CONTRACTOR SHALL INTERWIRE DISPOSER CONTROL SWITCH AND TO TIME DELAY/RELAY, MAGNETIC STARTER, DISPOSER MOTOR, AND SOLENOID VALVE WITH WATER TIGHT CONDUIT AS REQUIRED PER LOCAL CODES.
- N. ELECTRICAL CONTRACTOR SHALL INTERWIRE THROUGH TIME CLOCK FOR LOW TEMPERATURE COMPRESSOR AND WALK-IN COMPARTMENT BLOWER COIL FAN MOTORS AND DEFROST ELEMENT POWER SOURCE AS PART OF MAIN POWER SOURCE. PROVIDE ALL WIRING AND CONDUIT WITH DISCONNECT. (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER)
- O. ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL CONNECTION TO A JUNCTION BOX MOUNTED ON TOP OF A PREFABRICATED REFRIGERATOR AND/OR FREEZER WALL AT APPROXIMATELY 8'-8" AFF. INTERWIRE THE LIGHT ADJACENT TO THE DOOR WITH THE FACTORY MOUNTED LIGHT SWITCH. ALL CONDUIT SHALL BE RUN EXPOSED ON TOP OF WALK-IN, NO EXPOSED CONDUIT WILL BE ALLOWED ON INSIDE OF WALK-IN. ELECTRICAL SERVICE REQUIRED FOR WALK-IN SHALL BE AS SHOWN FOR LIGHTS, DOOR AND DOOR FRAME HEATER, THRESHOLD PLATE HEATERS (WHERE SPECIFIED), HEATED PRESSURE RELIEF PORT (ON FREEZERS) AND ALARM SYSTEMS (WHERE SPECIFIED). (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER)
- P. ELECTRICAL CONTRACTOR TO PROVIDE THE REQUIRED POWER SUPPLY AND FINAL CONNECTIONS TO THE TERMINAL BLOCK AT THE CONDENSING UNIT AND TO FULLY INTERWIRE TO ANY ADDITIONAL COMPONENTS. INCLUDE THE PROPER SIZE DISCONNECTS OR CIRCUIT BREAKERS. ALL WIRING FOR LOW AND MEDIUM TEMPERATURE CONDENSING UNIT TO BE ROUTED THROUGH DEFROST TIME CLOCK AND THEN WIRED TO EVAPORATOR COIL FOR PROPER POWER SUPPLY WITH THE REQUIRED QUANTITY OF WIRES. THE EVAPORATOR COIL DEFROST HEATER AND FAN MOTOR VOLTAGES AND LOADS ARE AS NOTED ON PLAN. VERIFY LOCATION OF COMPRESSORS AND COORDINATE WITH REFRIGERATION CONTRACTOR FOR FINAL CONNECTIONS. (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER)
- Q. ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50A OR LESS AND THREE-PHASE RECEPTACLES 150V TO GROUND OR LESS, 100A OR LESS INSTALLED IN KITCHEN AREAS SHALL HAVE GFCI PROTECTION FOR PERSONNEL PER N.E.C. 210-8(B).
- R. REFER TO ELECTRICAL SCHEDULE ON SHEET E2.2 FOR FURTHER INFORMATION.
- S. REFER TO FOOD SERVICE DRAWINGS FOR FURTHER INFORMATION ON EXACT REQUIREMENTS AND ROUTING FOR CONDUIT DEDICATED FOR OVERHEAD SODA DISPENSER LINES.
- T. E.C. TO REFERENCE SHEET ME1 FOR ADDITIONAL ELECTRICAL WORK.
- U. ALL RECEPTACLE COVERS AND DISCONNECT SWITCHES TO BE LABELED WITH SUPPLYING PANELBOARD AND CIRCUIT NUMBER. COORDINATE EXACT MOUNTING HEIGHTS WITH FOOD SERVICE EQUIPMENT DRAWINGS. CONFIRM CIRCUIT BREAKER AND FEEDER SIZES WITH EQUIPMENT SUPPLIER.

KEY NOTES

1. VERIFY MOUNTING LOCATION PRIOR TO ROUGH-IN.
2. FIELD FABRICATED WALK-IN REFRIGERATOR PIPING AND POWER CONDUIT(S) SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO ARCHITECTURAL DETAILS FOR DIMENSIONS, THE MC, EC AND GC SHALL COORDINATE FOR COMPLETE INSTALLATION.
3. E.C. SHALL PROVIDE AND INSTALL NEW NEMA 3R, 30A, 3P, NON-FUSED DISCONNECT SWITCH. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
4. MANUAL TOGGLE SWITCH WITH INDICATOR LIGHT FOR DISHWASH HOOD. VERIFY EXACT REQUIREMENTS AND LOCATION WITH KITCHEN EQUIPMENT SUPPLIER.

VERIFY EXACT MOUNTING LOCATIONS OF WALK-IN COOLER AND FREEZER CONDENSERS IN FIELD.

VERIFY WITH FOOD SERVICE EQUIPMENT DRAWINGS ON EXACT MOUNTING HEIGHTS AND LOCATIONS FOR ALL KITCHEN EQUIPMENT.

REFER TO SHEET ME1 FOR ADDITIONAL ELECTRICAL WORK.

VERIFY EXACT ELECTRICAL REQUIREMENTS OF WALK-IN COOLER AND FREEZER CONDENSERS.

COORDINATE WITH ALL DISPLINES ON INSTALLATION OF FIELD FABRICATED 4"X4" FOR REFRIGERATION PIPING AND POWER CONDUITS.

COORDINATE OUTLET AND CIRCUIT BREAKER RATING AND FEEDER SIZES WITH EQUIPMENT SUPPLIER.

REFER TO FOOD SERVICE DRAWINGS FOR FURTHER INFORMATION ON EXACT REQUIREMENTS AND ROUTING FOR CONDUIT DEDICATED FOR OVERHEAD SODA DISPENSER LINES.



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CHECKED BY: TBA
ISSUED DATE: 05.07.19

ISSUED REVISIONS:

NO.	REVISION	DATE

Owensboro, KY 42303

Rise and Shine Prototype
KITCHEN EQUIPMENT PLAN

E1.5

