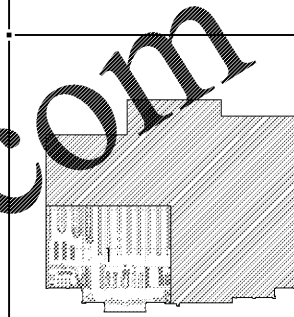


NOTE:
 COORDINATE WITH EQUIPMENT SCHEDULE, KROGER P.M. & EQUIPMENT PROVIDER FOR SPECIAL BREAKER & CONNECTION TYPES PRIOR TO BID & ROUGH-IN.
 ALL 120V, SINGLE PHASE 15 AMP AND 20 AMP RATED RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED IN SCHEDULE SHALL BE (S) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.
 NOTE THAT THE ISOLATED GROUNDING TYPE RECEPTACLES AND CLOCK TYPE RECEPTACLES LOCATED IN THE KITCHEN/STAGING AREA SHALL BE PROTECTED BY GROUND FAULT TYPE CIRCUIT BREAKERS RATHER THAN GROUND FAULT TYPE RECEPTACLES. GFCI BREAKERS REQUIRE A DEDICATED NEUTRAL (NOT SHARED) TO OPERATE PROPERLY.
 EC SHALL VERIFY IN FIELD ALL EQUIPMENT CONNECTIONS AND REQUIREMENTS TO ROUGH-IN AND INSTALLATION OF DEVICES. VERIFY ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH KROGER P.M. EC SHALL MAKE ADJUSTMENTS IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED, AS DIRECTED BY THE EQUIPMENT INSTALLER.
 CONTRACTOR IS REQUIRED TO INSTALL STANDARD RECEPTACLES FOR CIRCUITS DEDICATED TO SPECIFIC EQUIPMENT, SUBJECT TO THE APPROVAL OF CODE ENFORCING AGENCY.



KEY PLAN

GENERAL NOTES

- REFER TO SHEET 00.1 FOR ELECTRICAL SYMBOLS, LEGENDS AND GENERAL NOTES. REFER TO SHEET 00.2 FOR ELECTRICAL SYMBOL INFORMATION. REFER TO SHEETS 08.2.1 FOR PANEL BOARD CIRCUIT DIAGRAMS. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR PRIOR TO INSTALLATION. VERIFY ALL REFRIGERATION SYSTEM NUMBERS, CASE MODEL NUMBERS, AND STAIR UP LOCATIONS SHOWN ON THIS DRAWING WITH REFRIGERATION INSTALLATION INSTRUCTIONS AND DRAWINGS.
- PROVIDE ALL CONDUIT/RACEWAY AND CONDUCTORS AS INDICATED ON DRAWINGS/SCHEDULES NEATLY BUNDLE, CIRCLES AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH PANEL BOARD, BRANCH CIRCUIT, CONNECTION AND REFRIGERATION SYSTEM NUMBER. CONDUIT SHALL BE ROUTED WITH REFRIGERATION PIPING WHEREVER PRACTICABLE. PROVIDE 1/2" TO 1" OF CLEARANCE CONDUIT AT FLOOR CASES FOR PANEL CONNECTION WITH ENOUGH SLACK TO ALLOW FOR CASE LOCATION TO SHIFT SLIGHTLY.
- KEEP PENETRATIONS THROUGH COOLER AND FREEZER BOOTS TO A MINIMUM. NO SURFACE MOUNTED CONDUITS ARE ALLOWED IN THE INSIDE OF THE COOLER FREEZER OR FREEZERS. INSULATED WALLS. ROUTE ALL CONDUITS/PIPING THROUGH FREEZERS AND COOLERS ON THE OUTSIDE OF THE INSULATED BOX WHERE PRACTICABLE. SEAL ALL PENETRATIONS THROUGH BOX WITH SILICON SEALANT AND TILL FITTINGS/SEALS. DO NOT EXPOSED FROM SEALANT.
- PROVIDE ALL CHANNEL-STRUT SUPPORTS FOR OVERHEAD REFRIGERATION PIPING WHERE REQUIRED. COORDINATE EXACT QUANTITIES, LOCATION AND REQUIREMENTS WITH REFRIGERATION EQUIPMENT INSTALLER.
- PROVIDE REFRIGERATION CONTROL WIRING AND RELATED CONDUITS AS DIRECTED BY THE REFRIGERATION CONTRACTOR/VENDOR FOR PROPER OPERATION OF REFRIGERATED CASES.
- PROVIDE REFRIGERATION CONTROL WIRING AND RELATED CONDUITS AS DIRECTED BY THE REFRIGERATION CONTRACTOR/VENDOR FROM EACH CASE/COOL WITH ELECTRIC DETROST TO RESPECTIVE BACK FOR 200V DETROST CONTROL.
- IF APPLICABLE, PROVIDE REFRIGERATION CONTROL WIRING AND RELATED CONDUITS AS DIRECTED BY THE REFRIGERATION CONTRACTOR/VENDOR FROM EACH CASE/COOL TO RESPECTIVE REFRIGERATION WALK FOR SUCTION VALVES(S).
- PROVIDE CONNECTION OF ALL CASE FANS, ANTI-SWEAT HEATERS, CASE LIGHTING, ELECTRICAL DETROST AND LINE VOLTAGE CONTROL WIRING TO ALL CASES ON SYSTEM AS REQUIRED AND DIRECTED BY REFRIGERATION CONTRACTOR. ROUTE REFRIGERATED CASE/COOL FANS (S), LIGHTS(S), ANTI-SWEAT (S) AND ELECTRICAL DETROST (S) CIRCUITS TO THEIR RESPECTIVE PANEL BOARD OR REFRIGERATION UNIT BUSBAR/TERMINATION CABINET. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT AS INDICATED TO INSURE PROPER OPERATION OF APPLIANCE. NO WALLE-WIRE BRANCH CIRCUITS ALLOWED UNLESS NOTED OTHERWISE. REFER TO REFRIGERATION VENDOR BUSBAR AND REFRIGERATION SCHEDULES AND LEGENDS FOR ADDITIONAL INFORMATION.
- FOR DETROST CIRCUITS CONNECTED TO MULTIPLE CASES, PROVIDE FUSES INSTALLED AT EACH CASE CONNECTION POINT TO PROTECT THE INTERNAL CASE DETROST WIRING. VERIFY FUSE SIZE WITH MAXIMUM OVER-CURRENT PROTECTION (MOOP) LISTED ON CASE FOR ELECTRIC DETROST CIRCUIT.
- ROUTE ALL DETROST CIRCUITS BACK TO REFRIGERATION DETROST PANEL BOARD.
- REFERENCE FOR NOTES AFTER CIRCUIT NUMBER AND DETROST WIRE/CONDUIT: (N) - PROVIDE NEW CONDUIT AND WIRE BACK TO RESPECTIVE PANEL BOARD OR BUSBAR CABLE. (R) - REUSE/EXTEND CONDUIT AND WIRE TO LOCATION SHOWN. REUSE AND EXTEND EXISTING CONDUIT AND WIRE ONLY IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET OTHERWISE REPLACE.
- PLANS ONLY SHOW CONNECTION TO ONE CASE FOR EACH REFRIGERATION SYSTEM. CONTRACTOR RESPONSIBLE FOR ALL OTHER CASES IN REFRIGERATION SYSTEM TO SHOWN CONNECTION.
- VERIFY ALL CIRCUIT NUMBERS SHOWN FOR ACCURACY PRIOR TO EXTENDING OR REUITS.
- INSTALL MOTION SENSORS ON FROZEN FOOD ASLE CASES IN ACCORDANCE WITH OWNER'S REQUIREMENTS (SENSORS FURNISHED BY OWNER).
- CONCEAL RACEWAY AND RELATED ELECTRICAL DEVICES FROM CUSTOMER VIEW AND ROUTE ADJACENT TO REFRIGERATION LINES WHEREVER PRACTICABLE. CONTRACTOR IS ALLOWED TO REUSE ANY EXISTING CONDUITS FOR REFRIGERATED CASES THAT ARE EITHER IN-SLAB OR WALLS THAT ARE IN GOOD CONDITION. CONTRACTOR TO VERIFY ALL CONDUITS MEET 1" CONDUIT DOES NOT EXCEED 1 1/2" REQUIREMENTS (RAC OR DATA CABLES) AND IF NECESSARY CONDUCTORS ARE PROPERLY DE-RATED FOR MULTIPLE CONDUCTORS IN A CONDUIT PER NEC.
- ALL 15A-20A BRANCH CIRCUIT CONDUCTORS AND RACEWAY SHALL NOT BE LESS THAN THE SIZES LISTED BELOW. REFER TO PLANS AND PANEL BOARD SCHEDULES FOR MORE INFORMATION ON UPSIZED CONDUCTORS AND BRANCH CIRCUITS LARGER THAN 20A.
 - 15A AND 20A SINGLE PHASE CIRCUITS: (2)12, (1)120, 3 C
 - 30A SINGLE PHASE CIRCUITS: (2)10, (1)100, 1/2 C
 - 15A AND 20A THREE-PHASE CIRCUITS: (3)12, (1)120, 3 C
 - 30A THREE-PHASE CIRCUITS: (3)10, (1)100, 3 C

KEYED NOTES

- RELOCATED REFRIGERATION EQUIPMENT, J-BOX MOUNTED 61"-6" AFF. RECONNECT TO PANEL, LUGS, AND A/S CIRCUITS. RECONNECT ALL TEMP SENSORS AS NOTED FOR RELOCATED EQUIPMENT.
- J-BOX MOUNTED 61"-6" AFF. CONNECT DETROST TO SYSTEM NOTED.
- CONNECT EACH DETROST CIRCUIT TO POWER SUPPLY IN DETROST PANEL.
- JUNCTION BOX FOR TEMP SENSOR, 61"-6" AFF., STUD 1" C INTO CEILING SPACE. ROUTE 4/C #18 AND MONITOR CABLE FROM EACH CASE TO DESIGNATED COMPRESSOR SYSTEM CONTROL PANEL, COMPRESSOR SYSTEM AS INDICATED ON THE 70" & 80" DRAWINGS. VERIFY AND COORDINATE EXACT LOCATION IN THE FIELD WITH THE REFRIGERATION CONTRACTOR AND THE KROGER P.M. PRIOR TO ROUGH-IN. TERMINATE AT BOTH ENDS AS DIRECTED BY KROGER P.M.
- NEW REFRIGERATION EQUIPMENT, J-BOX MOUNTED 61"-6" AFF. CONNECT TO PANEL, LUGS AND A/S CIRCUITS AS SHOWN.

INTERPLAN
 ARCHITECTURE
 ENGINEERING
 INTERIOR DESIGN
 PROJECT MANAGEMENT
 404 COURTLAND STREET
 SUITE 100
 ORLANDO, FLORIDA 32804
 PH: 407.645.3208
 FX: 407.629.9124

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WITHIN THE WALLS REMODEL FOR:
KROGER STORE # 478 - MARIETTA - GA
 3162 JOHNSON FERRY RD.,
 MARIETTA, GA 30062



NO DATE REVISIONS
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 PROJECT NO: 2019.0125
 DATE: 03.18.2019

E1.3.1
 ELECTRICAL REFRIGERATION
 POWER PLAN - 1 OF 4
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