GENERAL POWER DEMOLITION NOTES:

1. THIS DRAWING INDICATES INTENT ONLY. LOCATION OF ELECTRICAL EQUIPMENT WAS TAKEN FROM RECORD DOCUMENTS AND MAY NOT BE ACCURATE. COORDINATE WITH KROGER FIELD ENGINEER TO CONFIRM LOCATIONS OF ALL EQUIPMENT BEING REMOVED OR RELOCATED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO THE CONTRACTORS FAILURE TO LOCATE AND PRESERVE EXISTING ELECTRICAL SYSTEMS.

2. COORDINATE DEMOLITION PHASING WITH KROGER PROJECT MANAGER TO AVOID CONFLICTS WITH STORE OPERATIONS.

3. MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL SYSTEMS AND SUBSYSTEMS TO REMAIN. RESTORE ANY ELECTRICAL SYSTEMS TO REMAIN DISRUPTED BY DEMOLITION TO PROPER WORKING ORDER.

4. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL WORK AS REQUIRED TO CLEAR AREAS OF NEW CONSTRUCTION. ANY ELECTRICAL CONDUIT, JUNCTION BOXES, WIRING, ETC. NOT TO BE REUSED MAY BE ABANDONED WHERE CONCEALED AND MUST BE REMOVED WHERE EXPOSED. PROVIDE BLANK COVERS FOR OUTLETS. ANY ABANDONED CONDUIT STUB-UPS SHALL BE CUT INTO SURFACE AND PATCHED.

5. IF AN EXISTING RACEWAY NOT TO BE REUSED INTERFERES WITH NEW WORK, REMOVE BACK TO NEAREST JUNCTION BOX AND BLANK OPENINGS.

6. MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS WHERE ONE OR MORE ITEMS IS REMOVED. REMOVE CONDUITS AND WIRING FOR REMOVED ITEMS AS POSSIBLE.

7. CONTRACTOR SHALL REMOVE ALL EQUIPMENT NOT BEING REUSED OR NOT NECESSARY FOR PROJECT COMPLETION FOLLOWING PROPER LEGAL PROCEDURES.

8. IF BRANCH CIRCUIT WIRING THAT IS TO REMAIN IS DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPLACE THE WIRING WITH NEW WIRING OF THE SAME SIZE AND TYPE AT NO COST TO THE OWNER.

9. REPLACE ALL EXISTING COVER PLATES AND WIRING DEVICES WITHIN THE CONSTRUCTION AREA WITH NEW MATERIALS MEETING THE REQUIREMENTS OF THE CONTRACT.

10. PROVIDE NEW, TYPED PANELBOARD SCHEDULES INDICATING SPARES MADE AVAILABLE AND NEW LOADS.

11. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL TEMPORARY POWER WITH CONSTRUCTION PHASING.

GENERAL POWER NOTES:

1. IN GENERAL, ELECTRIC PANELS SHALL CONTAIN 20 AMP CIRCUIT BREAKERS, WITH A MINIMUM OF THREE SPARE BREAKERS PER PANEL. THE ELECTRICAL LOAD ON A 120-VOLT, 20AMP. CIRCUITS SHALL NOT EXCEED 1800 WATTS.

2. WHERE MORE THAN ONE (1) ELECTRICAL LOAD IS DESIGNATED AT AND OUTLET, PROVIDE A SEPARATE CIRCUIT FROM THE ELECTRIC PANEL FOR EACH LOAD. CIRCUIT LOADING LIMITED TO 1800 WATTS, UNLESS OTHERWISE NOTED. LOAD INDICATED FOR CONVENIENCE OUTLETS, SHELVING OR PROMOTIONAL DISPLAYS MAY BE COMBINED INTO ONE CIRCUIT PROVIDED THE 1800 WATT LOAD LIMITATION IS HONORED.

3. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE UNDERSLAB CONDUIT AND RACEWAY LAYOUT WITH THE KROGER PROJECT MANAGER FOR FINAL APPROVAL PRIOR TO SLAB PLACEMENT.

4. ALL OUTLETS IN MEAT PREPARATION ROOM, PRODUCE PREP, SALAD BAR PREP ROOM, AND SEAFOOD DEPARTMENT SHALL BE G.F.C.I. WITH WEATHERPROOF COVER. SEE RLR-ED-1 FOR FLOOR OUTLET DETAIL.

5. RECEPTACLES IN DELI, BAKERY AND FLORAL DEPARTMENTS SHALL BE G.F.C.I. WITHOUT COVERS. SEE RLR-ED-1 FOR FLOOR OUTLET DETAIL.

6. ALL BRANCH CIRCUIT WIRING SHALL BE MINIMUM #12AWG/THWN. FOR RUNS EXCEEDING 50 FEET, WIRING SHALL BE MINIMUM #10AWG/THWN. CONTRACTOR SHALL SIZE WIRING IN ACCORDANCE WITH NEC ART. 210-19, 215-2, 310-15, & 410 FOR VOLTAGE DROP, AND NEC TABLE B310-11 FOR DERATING FACTORS. WIRE SIZES SHOWN ON PLANS ARE MINIMUM. CONDUIT SIZE SHALL BE MINIMUM 3/4". CONTRACTOR SHALL SIZE ALL CONDUIT AND JUNCTION BOXES BASED ON THW CONDUCTOR INSULATION IN ACCORDANCE WITH NEC. ALSO REFER TO SECTION 26 05 19 OF THE SPECIFICATIONS AND NOTE #19 BELOW.

7. BRANCH CIRCUITS ARE INDICATED AS ONE CIRCUIT HOME RUNS WITH INDIVIDUAL NEUTRALS. CONTRACTOR MAY GROUP SINGLE POLE BRANCH CIRCUITS IN MULTIPLE CIRCUIT HOME RUNS WITH A SHARED NEUTRAL (3 CIRCUITS MAXIMUM). SUCH GROUPED CIRCUITS ARE THEN MULTIWIRE BRANCH CIRCUITS. INSTALLATION OF MULTIWIRE BRANCH CIRCUITS SHALL COMPLY WITH ALL 2014 N.E.C. MULTIWIRE BRANCH CIRCUIT REQUIREMENTS PER N.E.C. ARTICLE 210, PARAGRAPH 210.4(B).

8. ALL ELECTRICAL CONDUITS IN THE SALES AREA DESCENDING FROM ROOF FRAMING TO EITHER LOW WALLS OR EQUIPMENT SHOULD BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL PIPES.

9. ALL ELECTRICAL EQUIPMENT SHOWN AS EXISTING IS BASED ON AVAILABLE RECORD DOCUMENTS AND MANY NOT BE ACCURATE. CONTRACTOR SHALL VERIFY THIS INFORMATION PRIOR TO BEGINNING WORK.

10. CONTRACTOR SHALL PERFORM A WALK-THRU OF THE SITE TO DETERMINE EXISTING CONDITIONS AND INCLUDE THE PRICE OF ANY REPAIRS NEEDED IN BASE BID.

11. CIRCUIT DESIGNATIONS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY CIRCUITS ARE AVAILABLE PRIOR TO BEGINNING WORK.

12. REUSE EXISTING CIRCUITS & CONDUITS MADE AVAILABLE DURING CONSTRUCTION WHERE APPLICABLE. LABEL ALL CIRCUITS NOT REUSED AS SPARE IN PANELBOARD SCHEDULE.

13. ELECTRICAL OUTLETS FOR REFRIGERATED ISLAND CASES MUST BE INSTALLED IN A STRAIGHT LINE ALIGNED WITH THE HUB DRAIN. COORDINATE WITH PLUMBING DIMENSIONED PLAN.

14. PROVIDE 10 FEET OF FLEXIBLE CONDUIT WITH STRANDED CONDUCTORS FOR REFRIGERATED CASES SERVED FROM WALL JUNCTION BOXES AND 6 FEET FOR ISLAND AND SERVICE REFRIGERATED CASES FOR CONNECTION TO CASES BY ELECTRICAL FIXTURING INSTALLATION CONTRACTOR.

15. FOR ELECTRICAL FEEDS AT SHELVING LOCATIONS, UNLESS OTHERWISE NOTED, INSTALL RIGID STEEL CONDUIT FROM JUNCTION BOX LOCATED IN THE STRUCTURAL STEEL ABOVE. LOCATE CONDUIT IN CENTER OF SHELVING RUN; PAINT CONDUIT TO MATCH COLUMNS.

16. ALL WALL OUTLETS IN FOOD PREP AREAS SHALL BE FLUSH MOUNTED. OUTLETS LOCATED ABOVE STAINLESS STEEL TABLES SHALL BE A MINIMUM OF 46" ABOVE FLOOR. NO SURFACE MOUNTED CONDUITS ALLOWED IN MEAT AND PRODUCE PREP ROOMS.

17. TELE-POWER POLES FOR CHECK LANES SHALL BE FURNISHED BY KROGER AND INSTALLED BY KROGER'S ELECTRICAL FIXTURING INSTALLATION CONTRACTOR. TERMINATE AND LABEL CONDUCTORS IN OUTLETS AT BAR JOIST. SEE ESD-62, ESD-62A AND ESD-62B FOR MORE INFORMATION. CONTRACTOR TO PROVIDE ANY OTHER TELE-POWER POLE INDICATED ON THE DRAWINGS. SEE KROGER SPECIFICATION SECTION 26 05 33 FOR ADDITIONAL INFORMATION.

18. PROVIDE A LOCK-ON DEVICE ON THE BREAKER PROTECTING CIRCUITS THAT ARE DESIGNATED WITH AN ASTERISK (*).

19. PANEL 'LN' CIRCUITRY SHALL NOT ORIGINATE OR IN ANY WAY BE CONNECTED OR ROUTED THROUGH DEDICATED ELECTRIC PANEL 'LH'.
2#10AWG/THWN EACH CIRCUIT AND 1" MINIMUM CONDUIT HOMERUN.

20. TWO CASH REGISTERS (GE38) TO SHARE A SEPARATE AND INDEPENDENT CIRCUIT. ALL CIRCUITRY IS EXCLUSIVE AND MUST BE SUPPLIED FROM THE DEDICATED PANEL 'LH', 1" MINIMUM CONDUIT HOMERUN. EACH BRANCH CIRCUIT FOR CASH REGISTERS SHALL BE AS FOLLOWS:
(3) #10AWG WIRES EACH REGISTER - (1) HOT, (1) INDEPENDENT INSULATED & ISOLATED NEUTRAL (CANNOT BE PHASED OUT AT PANEL), AND (1) INDEPENDENT & ISOLATED GROUND.

21. RECESSED DEDICATED ELECTRICAL PANEL 'LH' MUST BE USED EXCLUSIVELY FOR ITEMS SO SPECIFIED, OTHER CIRCUITING WILL NOT BE PERMITTED IN THIS PANEL. PANEL SHALL BE 120/208V, 3ø, 4 WIRE, HAVING 100 AMP MINIMUM BUSSING AND HAVING THE CAPACITY TO ACCEPT A MINIMUM OF (24) 1-POLE BREAKERS. PANEL FEEDERS SHALL CONSIST OF: (3) HOT WIRES, (1) INSULATED & ISOLATED GROUND WIRE AND (1) INSULATED AND ISOLATED NEUTRAL. GROUND AND NEUTRAL BUSSES MUST BE INSULATED AND ISOLATED FROM PANEL. ALL WIRING DEVICES SERVED BY THE DEDICATED ELECTRIC PANELS SHALL BE ISOLATED GROUND WIRE.

23. ALL WALL MOUNTED OUTLETS SERVING REFRIGERATED CASES WITH RETURN AIR PLENUM ABOVE SHALL BE ACCESSIBLE WITH ALL WIRING PLENUM RATED.

24. INSTALL JUNCTION BOX AND CIRCUIT TO POWER THE QUEVISION HANGING FLAT SCREEN MONITORS. CONFIRM THE EXACT LOCATION OF THE MONITORS WITH QUEVISION INSTALLER OR KROGER PROJECT MANAGER BEFORE INSTALLING JUNCTION BOX. QUEVISION INSTALLER TO INSTALL 120V CONVENIENCE OUTLET ON HANGING MONITOR POLE/BRACKET AND MAKE FINAL CONNECTION AT JUNCTION BOX.

REFRIGERANT LEAK DETECTION SYMBOL LEGEND

Symbol	Description
L	REFRIGERANT LEAK DETECTION HORN AND STROBE. PROVIDE AND INSTALL ALL CONDUIT, WIRING, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. SEE SPECIFICATION SECTION 11 41 46 AND SHEET EM-3 FOR MORE INFORMATION.
L	REFRIGERANT LEAK DETECTION STROBE ONLY. PROVIDE AND INSTALL ALL CONDUIT, WIRING, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. SEE SPECIFICATION SECTION 11 41 46 AND SHEET EM-3 FOR MORE INFORMATION.
LD	LEAK DETECTION SENSOR. PROVIDE AND INSTALL SENSOR, CONDUIT, WIRING, TUBING, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. SEE SPECIFICATION SECTION 11 41 46 AND MECHANICAL PLANS FOR MORE INFORMATION.

NOTE 1: PROVIDE 120V CIRCUIT, FROM NEAREST 120V PANEL WITH CAPACITY, FOR LEAK DETECTION SYSTEM POWER RELAYS AS REQUIRED. SEE SPECIFICATION SECTION 11 41 46 FOR MORE INFORMATION. COORDINATE LOCATION OF RELAYS WITH KROGER PROJECT MANAGER.

NOTE 2: INSTALL LEAK DETECTION SENSOR IN MECHANICAL HOUSE ON ROOF. INSTALL (1) HORN/STROBE INSIDE AND (1) HORN STROBE OUTSIDE MECHANICAL HOUSE. COORDINATE LOCATIONS WITH KROGER PROJECT MANAGER.

NOTE 3: ADDITIONAL LEAK DETECTION SENSORS REQUIRED IN RTU RETURN DUCTS. SEE HVAC PLANS AND SPECIFICATION SECTION 11 41 46 FOR MORE INFORMATION.

NOTE: ALL WORK RELATED TO REFRIGERANT LEAK DETECTION SYSTEM TO BE PROVIDED AS ADD ALERNATE #9.

GENERAL LIGHTING DEMOLITION NOTES:

1. THIS DRAWING INDICATES INTENT ONLY. LOCATION OF ELECTRICAL EQUIPMENT WAS TAKEN FROM RECORD DOCUMENTS AND MAY NOT BE ACCURATE. COORDINATE WITH KROGER FIELD ENGINEER TO CONFIRM LOCATIONS OF ALL EQUIPMENT BEING REMOVED OR RELOCATED. CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS.

2. COORDINATE DEMOLITION PHASING WITH KROGER PROJECT MANAGER TO AVOID CONFLICTS WITH STORE OPERATIONS.

3. MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL SYSTEMS AND SUBSYSTEMS TO REMAIN.

4. COORDINATE STORAGE, REUSE, OR DISPOSAL OF ALL REMOVED LIGHTING FIXTURES WITH KROGER PROJECT ENGINEER.

5. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL TEMPORARY POWER WITH CONSTRUCTION PHASING.

6. ALL LIGHTING FIXTURES BEING DEMOLISHED AND NOT REUSED SHALL BE RETURNED TO KROGER R&S.

7. ALL LIGHTING FIXTURES NOT SHOWN ARE EXISTING TO REMAIN. REFER TO NEW LIGHTING PLAN FOR ADDITIONAL INFORMATION.

GENERAL LIGHTING NOTES:

1. ALL FLUORESCENT LAMPS TO BE 3500° K, UNLESS NOTED OTHERWISE.

2. ALL CONDUIT SHALL BE ROUTED IN SUCH A MANNER AS TO NOT CROSS OR OBSTRUCT THE AREA BENEATH A SKYLIGHT.

3. MULTIWIRE BRANCH CIRCUIT SYMBOLS ARE SHOWN WITH MAXIMUM OF THREE CIRCUITS PER INDIVIDUAL HOMERUN. CONTRACTOR SHALL PROVIDE AN INDIVIDUAL NEUTRAL PER CIRCUIT OR FURNISH AND INSTALL CIRCUIT BREAKER HANDLE TIES AS REQUIRED BY NEC ARTICLE 210, PARAGRAPH 210.4(B).

4. REUSE EXISTING CONDUITS AND WIRING IF POSSIBLE. ELECTRICAL CONTRACTOR SHALL PERFORM MAINTENANCE ON ALL EXISTING ELECTRICAL ITEMS TO RESTORE THEM BACK TO THEIR PROPER OPERATING CONDITION AND REPLACE IF NECESSARY. CLEAN AND RELAMP ALL EXISTING LIGHT FIXTURES. REPLACE ALL DAMAGED FIXTURES OR PARTS OF THE FIXTURES WITH NEW TO MATCH EXISTING.

5. SEE DRAWING E6.1 FOR LIGHTING FIXTURE SCHEDULE.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL ABANDON ELECTRICAL CONDUIT, WIRE, ETC. AFTER COMPLETE INSTALLATION OF NEW EQUIPMENT.

7. CONTRACTOR SHALL MAINTAIN ILLUMINATION OF STORE DURING REMODEL. COORDINATE PHASING OF LIGHTING REMOVAL IN SALES AREA WITH KROGER PROJECT MANAGER.

8. ALL ELECTRICAL EQUIPMENT SHOWN AS EXISTING IS BASED ON AVAILABLE RECORD DOCUMENTS AND MAY NOT BE ACCURATE. CONTRACTOR SHALL VERIFY THIS INFORMATION PRIOR TO BEGINNING WORK.

9. CONTRACTOR SHALL PERFORM A WALK-THRU OF THE SITE TO DETERMINE EXISTING ELECTRICAL CONDITIONS AND INCLUDE THE PRICE OF ANY REPAIRS NEEDED IN BASE BID.

10. CIRCUIT DESIGNATIONS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY CIRCUITS ARE AVAILABLE PRIOR TO BEGINNING WORK.

11. REUSE EXISTING CIRCUITS & CONDUITS MADE AVAILABLE DURING CONSTRUCTION WHERE APPLICABLE. LABEL ALL CIRCUITS NOT REUSED AS SPARE IN PANELBOARD SCHEDULE.

12. ALL LIGHTING FIXTURES THAT ARE NOT LABELED ARE EXISTING TO REMAIN. REFER TO SHEET E6.2.4 FOR EXISTING LIGHT FIXTURES SCHEDULES. ELECTRICAL CONTRACTOR SHALL PERFORM MAINTENANCE ON ALL EXISTING ELECTRICAL ITEMS TO RESTORE THEM BACK TO THEIR PROPER OPERATING CONDITION AND REPLACE IF NECESSARY. CLEAN AND RELAMP ALL EXISTING LIGHT FIXTURES. REPLACE ALL DAMAGED FIXTURES OR PARTS OF THE FIXTURES WITH NEW TO MATCH EXISTING.

13. INSTALL CONDUIT FOR LIGHTING CIRCUITRY IN ALL PREP AREAS WITH INSULATED PANEL CEILINGS ABOVE INSULATED PANEL CEILING WITH CONDUIT STUBBED THROUGH PANEL TO LIGHT FIXTURE. PROVIDE SEALANT IN CONDUIT STUB TO PREVENT AIR PASSAGE IN CONDUIT. REFER TO ESD-26A FOR ADDITIONAL INFORMATION. SURFACE MOUNTED CONDUIT IS NOT ALLOWED IN MEAT AND PRODUCE PREP ROOMS.

14. PROVIDE A LOCK-ON DEVICE ON THE BREAKER PROTECTING CIRCUITS THAT ARE DESIGNATED WITH AN ASTERISK (*).

15. ALL EXTERIOR LIGHTING AND SIGN CIRCUITS SHALL BE MINIMUM #10 AWG/THWN AND INCLUDE PHOTOCELL CONTROL. SEE ESD-13.

16. SIGN CIRCUITS SHALL BE CONTROLLED BY LIGHTING CONTROLLER. SEE SPECIFICATION AND ESD-13. VERIFY MOUNTING HEIGHTS OF ALL JUNCTION BOXES FOR SIGNS IN FIELD PRIOR TO ROUGH-IN.

17. ALL FLUORESCENT FIXTURES IN BACKROOM AREAS TO BE INSTALLED ABOVE THE BOTTOM OF THE JOIST, UNLESS NOTED OTHERWISE. FIXTURES SHALL NOT BE LOCATED ABOVE HVAC DUCT OR IN SUCH A MANNER AS TO ALLOW OTHER BUILDING COMPONENTS TO BLOCK THE LIGHT DISTRIBUTION. METAL DECKING SHALL NOT BE USED TO SUPPORT LIGHT FIXTURES.

18. THE ELECTRICAL CONTRACTOR SHALL FINAL ADJUST PRODUCE TRACK LIGHT FIXTURES AS DIRECTED BY THE KROGER PROJECT MANAGER OR PRODUCE MANAGER 24 HOURS PRIOR TO GRAND OPENING OR AT A TIME SPECIFIED BY THE KROGER PROJECT MANAGER. TO THE EXTENT POSSIBLE THE FIXTURES SHOULD BE AIMED INTO THE STORE AWAY FROM THE PRIMARY ENTRANCE TO THE STORE TO REDUCE VISUAL GLARE. SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING HEIGHT.

19. ROOF PENETRATIONS FOR CONDUIT SERVING OTHER THAN RTUS SHALL BE INSTALLED TO MAINTAIN A MINIMUM DISTANCE OF 18 INCHES FROM CONDUIT PENETRATION TO ROOF CURB.

20. THE SALES AREA LIGHT LEVEL SENSOR SHALL BE FURNISHED BY KROGER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL SYMBOLS LEGEND AND LIGHTING PLAN FOR MORE INFORMATION.

21. LIGHT FIXTURES TO BE USED AS SECURITY LIGHTS. INSTALL FIXTURES PER LIGHTING FIXTURE SCHEDULE, UNLESS NOTED OTHERWISE. FIXTURES MOUNTED ON DOCK AREA MAY BE MOUNTED AT A DIFFERENT HEIGHT FROM MAIN BUILDING MOUNTED FIXTURE.

22. OCCUPANCY SENSORS SHALL BE SUPPLIED BY KROGER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL SYMBOLS LEGEND FOR ADDITIONAL INFORMATION.

23. WHEN AN RTU DROP BOX DIFFUSER CONFLICTS WITH THE LOCATION OF A TYPE 'B' SALES AREA LIGHT FIXTURE THE LIGHT FIXTURE SHALL BE SHIFTED ONLY ENOUGH TO CLEAR THE DROP BOX DIFFUSER.

24. STANDARD EXIT SIGN MOUNTING HEIGHTS:
2'-0" ABOVE EXIT DOOR OR GLASS TRANSOM ABOVE EXIT DOOR IF NO CEILING
1'-0" ABOVE EXIT DOOR OR CENTERED IN SPACE IF CEILING
2'-0" ABOVE LIGHT FIXTURES IN SURROUNDING AREA IF PENDANT MOUNTED.

25. ALL ELECTRICAL CONDUITS IN THE SALES AREA DESCENDING FROM ROOF FRAMING TO EITHER LOW WALLS OR EQUIPMENT SHOULD BE COORDINATED AND GROUPED TOGETHER WITH OTHER MECHANICAL PIPES.

NOTE:

SEE LIGHT FIXTURE SCHEDULE THIS SHEET. ALL LIGHT FIXTURES AND LAMPS TO BE PROVIDED BY KROGER.

CONTRACTOR RESPONSIBILITIES FOR KROGER SUPPLIED MATERIALS

1. RECEIVE, UNLOAD, STORE AND PROTECT PRODUCT ON SITE.
2. INSPECT PRODUCTS UPON RECEIPT FOR SHORTAGES, DAMAGES OR DEFECTS AND NOTIFY SUPPLIER WITHIN 24 HOURS.
3. NOTIFY SUPPLIER WITHIN 20 DAYS OF RECEIPT OF ANY HIDDEN DAMAGES FOR PRODUCTS REVIEWED.

REFRIGERANT LEAK DETECTION ZONE SCHEDULE

ZONE 1: DAIRY COOLER
ZONE 2: GROCERY FREEZER
ZONE 3: SEAFOOD COOLER
ZONE 4: MEAT COOLER
ZONE 5: MEAT PREP
ZONE 6: MEAT COOLER
ZONE 7: FREEZER
ZONE 8: PRODUCE PREP
ZONE 9: PRODUCE COOLER
ZONE 10: BAKERY FREEZER
ZONE 11: DELI COOLER
ZONE 12: AIR COOLED COMPRESSOR ROOM (REAR MEZZANINE)
ZONE 13: RETURN AIR DUCT (AHU-1).
ZONE 14: SALES FLOOR (DELI CASES)
ZONE 15: SALES FLOOR (FROZEN FOOD CASES)

ELECTRICAL SYMBOL LEGEND

GENERAL SYMBOL EXPLANATION

Symbol	Description
	WALL OUTLET - HEIGHT AS INDICATED ON PLAN
	OUTLET INSTALLED IN JOIST SPACE, UNLESS NOTED OTHERWISE
	SURFACE MOUNTED OUTLET
JB	JUNCTION BOX
WP	WEATHERPROOF

Symbol	Description
	ON THE GROUND FLOOR, USE HUBBELL FLUSH FLOOR BOX #PFB1/PFBA1A WITH #CR5362GY 20A DUPLEX RECEPTACLE, FLUSH COVER #S3082/S3925 AND FITTINGS SHALL BE BRASS. ON THE MEZZANINE, USE HUBBELL FIRE-RATED POKE-THROUGH ONE-PIECE UNIT #S1PT4X4BRSJ. POWER AND DATA SHALL BE INCLUDED IN BOTH UNITS.
	120V., SINGLE RECEPTACLE GROUNDED TYPE, 2'-0" ABOVE FLOOR UNLESS NOTED OTHERWISE.
	120V., DUPLEX RECEPTACLE GROUNDED TYPE, 2'-0" ABOVE FLOOR UNLESS NOTED OTHERWISE.
	120V., DUPLEX RECEPTACLE ISOLATED GROUNDED TYPE, 2'-0" ABOVE FLOOR UNLESS NOTED OTHERWISE.
	120V., DUPLEX RECEPTACLE GFCI TYPE, 2'-0" ABOVE FLOOR UNLESS NOTED OTHERWISE.
E	120V. JUNCTION BOX
J	JUNCTION BOX AS NOTED ON PLAN
	208V., 3-PHASE JUNCTION BOX. RECEPTACLE (HBL8420 FOR 20A / HBL8430 FOR 30A) WHERE REQUIRED. VERIFY EXACT RECEPTACLE REQUIREMENTS WITH EQUIPMENT.
	120/208V., 3-PHASE JUNCTION BOX. RECEPTACLE (HBL7250 FOR 20A / HBL8330 FOR 30A) WHERE REQUIRED. VERIFY EXACT RECEPTACLE REQUIREMENTS WITH EQUIPMENT.
	208V., 1-PHASE JUNCTION BOX. RECEPTACLE (HBL5462 FOR 20A / HBL9330 FOR 30A) WHERE REQUIRED. VERIFY EXACT RECEPTACLE REQUIREMENTS WITH EQUIPMENT.
	120/208V., 1-PHASE JUNCTION BOX. RECEPTACLE (HBL8410 FOR 20A / HBL9430 FOR 30A) WHERE REQUIRED. VERIFY EXACT RECEPTACLE REQUIREMENTS WITH EQUIPMENT.
	120V., CEILING MOUNTED DUPLEX RECEPTACLE, GROUNDED TYPE. PROVIDE GROUND FAULT PROTECTION WHEN THE CORD TO BE CONNECTED (SERVING THE EQUIPMENT) DOES NOT CONTAIN A GROUND CONDUCTOR.
	120V., QUAD RECEPTACLE GROUNDED TYPE, 2'-0" ABOVE FLOOR UNLESS NOTED OTHERWISE.
	DISCONNECT SWITCH
	COMBINATION SWITCH AND STARTER
LLS	MOUNT LIGHT SENSOR INSTALLED ON ROOF FACING NORTH ENSURING SUNLIGHT CANNOT SHINE DIRECTLY INTO THE SENSOR. SENSOR SUPPLIED BY KROGER AND CONNECTED TO EMS SYSTEM BY CONTRACTOR. (Reference ESD-53)
	TELEPHONE/DATA OUTLET. FLUSH MOUNTED IN FINISHED AREAS. COORDINATE COVER CONFIGURATION WITH KROGER PROJECT MANAGER
S	SINGLE POLE LIGHT SWITCH (3)3-WAY, (4)4-WAY, (PL)PILOT LIGHT, (M)MOTOR RATED
S TS1	TIMER SWITCH WITH WARNING FLICKER FEATURE TO SIGNAL END OF 'ON' TIME. FIELD ADJUST TO 20 MINUTE OPERATION. COOPER (GREENGATE) TSW-MV.
S TS3	3-WAY TIMER SWITCH WARNING FLICKER FEATURE TO SIGNAL END OF 'ON' TIME. FIELD ADJUST TO 20 MINUTE OPERATION. COOPER (GREENGATE) TSW-MV.
S MS1	OCCUPANCY SWITCH, SINGLE LOAD. WATTSTOPPER OS P/N PW-100
S US1	OCCUPANCY SWITCH, DUAL LOAD. WATTSTOPPER OS P/N UW-200
S MO1	MOMENTARY OVERRIDE SWITCH. COOPER (GREENGATE) SML SWITCH WITH NO LED. SML116 ONE GANG, 1 SWITCH STAINLESS STEEL SWITCHPLATE SML 116.
	MOTOR CONNECTION BY CONTRACTOR
	CONDUIT CONCEALED UNDER FLOOR SLAB
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN WALL OR CEILING
	CONDUIT EXPOSED
	EXIT LIGHT FIXTURE
SI	LIGHT LEVEL SENSOR INSTALLED IN SKYLIGHT AND CONNECTED TO EMS SYSTEM FOR LIGHT HARVESTING. MOUNT VERTICAL LOOKING UP INTO SKYLIGHT 12" FROM TWO ADJACENT SIDES INSIDE SKYLIGHT LEVEL WITH ROOF DECK. SUPPLIED BY KROGER.
	ONE WAY CEILING MOUNTED LIGHTING SENSOR WITH SWITCHPACK ABOVE CEILING. CONNECT SENSOR TO SWITCHPACK WITH #18 AWG CLASS 2 CONDUCTORS. WATTSTOPPER OS P/N WT-600.
	TWO WAY LIGHTING SENSOR SUSPENDED 12'-6" A.F.F. OR AT CEILING WITH SWITCHPACK MOUNTED AT BAR JOIST. CONNECT SENSOR TO SWITCHPACK WITH #18 CLASS 2 CONDUCTORS. WATTSTOPPER OS P/N WT-1100.
	TWO WAY LIGHTING SENSOR SUSPENDED 12'-6" A.F.F. OR AT CEILING WITH SWITCHPACK MOUNTED AT BAR JOIST. CONNECT SENSOR TO SWITCHPACK WITH #18 CLASS 2 CONDUCTORS. WATTSTOPPER OS P/N WT-2200.
OS4	TWO WAY LIGHTING SENSOR SUSPENDED 15'-6" A.F.F. OR AT CEILING WITH SWITCHPACK MOUNTED AT BAR JOIST. CONNECT SENSOR TO SWITCHPACK WITH #18 CLASS 2 CONDUCTORS. WATTSTOPPER OS P/N WT-2250.
OS5	ONE WAY WIDE ANGLE OCCUPANCY SENSOR. WATTSTOPPER OS P/N FS-705.
OS6	MOTION SENSOR - WET LOCATION OCCUPANCY SENSOR. WATTSTOPPER HB350W-HBL2W (MODULE WITH LENS).
OS7	MOTION SENSOR - PASSIVE INFRARED OCCUPANCY SENSOR. WATTSTOPPER HB350B-L3 (MODULE WITH LENS).
TS	TEMPERATURE SENSOR FOR REFRIGERATED CASE. SEE REFRIGERATION PLANS FOR MORE INFORMATION.
DT	DEFROST TERMINATION SENSOR FOR REFRIGERATED CASE. SEE REFRIGERATION PLANS FOR MORE INFORMATION.

LIGHTING FIXTURE SCHEDULE

COUNT	MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING	FIXTURE USAGE
10	8' TRACK	8 FOOT TRACK	COOPER (HALO)	L652SL 8 FOOT TRACK	CEILING MOUNT	TRACK PART FOR THE TRACK HEAD FIXTURES
19	12' TRACK	12 FOOT TRACK	COOPER (HALO)	L653SL 12 FOOT TRACK	CEILING MOUNT	TRACK PART FOR THE TRACK HEAD FIXTURES
12	AA1	8'-0" INDUSTRIAL LIGHT FIXTURE W/ (2) T8 LAMPS & (1) BALLAST, & CLOSED TOP REFLECTOR	COOPER (METALUX)	8TICF-232-UNV-QHE4X32ISNSC	SUSPENDED	WALL WASH - SUSPENDED AROUND PERIMETER
17	C8	RECESSED 1'X4' W/ (2) T8 LAMPS & (1) BALLAST, PRISMATIC LENS W/ NO REVEAL, GRID CEILING	COOPER (METALUX)	GR8-232A-UNV-QHE2X32ISNSC		
12	NN13	20W LED EXTERIOR WALL PACK	COOPER (LUMARK)	XTOR2A-4000K		
77	TR29	LED TRACK MOUNTED ACCENT LIGHT, NARROW FLOOD BEAM SPREAD (24°)	COOPER (HALO)	L8082SNF9030AH (SILVER)	VARIES, SEE PLAN	PRODUCE DEPARTMENT
11	TR30	LED TRACK MOUNTED ACCENT LIGHT, NARROW FLOOD BEAM SPREAD (21°)	COOPER (HALO)	L8081SNF9030AH (SILVER)	VARIES, SEE PLAN	ADULT BEVERAGE

MECHANICAL EQUIPMENT SCHEDULE

MARK	VOLTAGE	PHASES	HP	KW	FLA	MCA	MOCP	DISCONNECT	BRANCH CIRCUIT	NOTES
EF-1	120	1			2.0		REUSE EXISTING	MOTOR RATED SWITCH	REUSE EXISTING	
EF-2	120	1			2		REUSE EXISTING	MOTOR RATED SWITCH	REUSE EXISTING	
EF-3	120	1			4		REUSE EXISTING	MOTOR RATED SWITCH	REUSE EXISTING	

MECHANICAL EQUIPMENT SCHEDULE GENERAL NOTES

A. VERIFY ELECTRICAL REQUIREMENTS OF PURCHASED UNITS PRIOR TO ROUGH-IN.
B. PROVIDE DISCONNECT SWITCH INDICATED.
C. EXTERIOR FLEXIBLE CONDUIT SHALL BE "SEAL TITE" OR EQUAL.

ELECTRICAL EQUIPMENT REQUIREMENTS

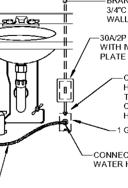
NAME	ELECTRICAL REQUIREMENTS
ACLR4C-T	120V, 1PH, 720W DEDICATED CIRCUIT W/ ISOLATED GROUND RECEPTACLE FOR USCAN CHECKOUT LANE. ADDITIONAL QUAD OUTLET (86W TOTAL) ON A SEPARATE CIRCUIT FOR EAS DEACTIVATOR.
ACRL4C-T	120V, 1PH, 720W DEDICATED CIRCUIT W/ ISOLATED GROUND RECEPTACLE FOR USCAN CHECKOUT LANE. ADDITIONAL QUAD OUTLET (86W TOTAL) ON A SEPARATE CIRCUIT FOR EAS DEACTIVATOR.
AUAS	120V, 10A MIN. DEDICATED CIRCUIT FOR ENTERPRISE SELF-CHECKOUT ATTENDANT STATION
B109G	120V 1PH 20AMPS (DEDICATED) CKT FOR CONTROLS 208V 3PH 4.4AMPS FOR MOTORS, MOUNT J.B 8'-0" AB. FLOOR DRAIN (PSD-16) AT THE LEFT REAR CORNER AS YOU FACE THE OVEN WIRER ASSOC. ROOF TOP EXHAUST FAN TO TERMINALS #32 & 34
B124B-40	208V, 1PH, 3W, 20.4AMPS FOR DOUBLE DOOR (40" DEEP) PROOFER
D15CD-208	208V, 3PH, 4W, 45.7A (16.5KW) (50 AMP BREAKER) 2'-0" AB FL, SHUNT TRIP CIRCUIT BREAKER REQUIRED FOR SINGLE COMBI CHICKEN OVEN & STAND
D60DE	TWO 208V, 48AMP, 3PH CIRCUITS REQUIRED FOR OPEN DUAL RACK FRYER, MOUNT J.B. 2'-0" AB. FL., TWO SHUNT TRIP CIRCUIT BREAKERS REQUIRED.
DMDLR8HC	120V, 32W, FOR FANS, 41W FOR LED LIGHTS, FOR 8' FRESH SLICED MULTI DECK CASE (REMOTE)
DR60CL	5A FOR FREEZER DOORS ONLY
E6	960W FOR MFP (FAX PRINTER COPIER SCANNER), COORDINATE RCPT HGT WITH COUNTER
E38AS	120V 500W DEDICATED CIRCUIT FOR POS EQUIPMENT FOR SCO ATTENDANT STATION
F47WR_PT	(2)120V, 20A DUPLEX OUTLETS & 112W FOR LIGHTS ON FLORAL WORKSTATION
GE38	120V 500W FOR REGISTER (DEDICATED CKT)
GE156	120V 250W ELEC FED FROM RACEWAY FOR EFT PIN PAD & CREDIT CARD READER
HDR2	208V, 1400W FOR DYSON HAND DRYER
MS8HC-2	120V, 4.7W FOR AIRSWEEP FANS, 62W FOR LED LIGHTS, 1800W FOR CONVENIENCE OUTLET, FOR 8' SERVICE MEAT CASE
PL24B-2	120V, 529W, CORDINATE RECEPTACLE LOCATION WITH MANUFACTURE OF WATER COOLER USED (REQD. LOCKED ON DEVICE @PANEL
R50B	150W FOR PRESCRIPTION VALIDATION & DISPENSING DEVICE
RBU	120V, 15A CIRCUIT FOR UNDERCOUNTER REFRIGERATOR (BIOMEDICAL) REQUIRED TO BE ON EMERGENCY CIRCUIT.
RTP	58W FOR RX THERMAL PRINTER (BACKTAGS & VIAL LABELS)
S36TSC-8	208V, 3PH, 13AMPS FOR S.C. ICE FLAKER W/ CART TRANSPORT SYSTEM (1000 LB.)
SS8HC-DSFM	68W FOR FANS, 89W FOR ANTISWEAT HTRS, AND 15A CONVENIENCE OUTLET

RELOCATED ELECTRICAL EQUIPMENT REQUIREMENTS

NAME	ELECTRICAL REQUIREMENTS
ALC9665B(R)	500W CKT FOR CHECKOUTCASH REGISTER (DEDICATED CKT) & 98W FOR LH CUSTOM LOAD (96" FRONT BELT/65" REAR BELT)
DCBSO8AT(R)	208V, 1PH, 1935W FOR HEAT LAMP, 208V, 1PH, 2246W FOR DROP-IN WARMER, 208V, 1PH, [illegible] FOR DROP-IN WARMER, 208V, 1PH, 780W FOR HEATED DRAWERS
F5DN6HP(R)	35W FOR FANS, 29.8W FOR LIGHTS ON 6' 5-DECK NARROW FLORAL CASE
F5DN8HP(R)	35W FOR FANS, 43W FOR LIGHTS ON 8' 5-DECK NARROW FLORAL CASE
G85BSC(R)	120V, 3.8 AMP, 1PH FOR CHECKSTAND REFRIGERATED MERCHANDISER, COMES WITH 9' CORD WITH NEMA 5-15P PLUG.
G85BSC-2(R)	120V, 3.8 AMP, 1PH FOR CHECKSTAND REFRIGERATED MERCHANDISER, COMES WITH 9' CORD WITH NEMA 5-15P PLUG.
GE38(R)	120V 500W FOR REGISTER (DEDICATED CKT)
GMSC4K(R)	2496W FOR PROMO CASE (REQ'D LOCKED ON DEVICE @ PANEL)
M11T(R)	120V 1PH .75AMPS FOR SERVICE SCALE (PC PRINTER TOLEDO), MOUNT RCPT 4'-0" AB FL. PROVIDE A 3/4" CONDUIT TO ECR ROOM
RPC(R)	315W FOR RX BASEWELL PRN PC 17" LCD

LOW VOLTAGE EQUIPMENT REQUIREMENTS

NAME	LOW VOLTAGE REQUIREMENTS
GE38	3 DATA, 1 VOICE JACK
GE38(R)	3 DATA, 1 VOICE JACK
M11T(R)	1 DATA JACK
RPC(R)	1 DATA JACK



1 / E0.1 INSTANTANEOUS WATER HEATER
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Kroger GA-291
6199 Hwy 92
Acworth, GA 30102

FOR:
The Kroger Company
2175 Park Lake Drive, Atlanta, GA

REVISIONS

SHEET TITLE
ELECTRICAL SYMBOLS AND GENERAL NOTES

DATE
03-06-20

PROJECT NUMBER
20-108

SHEET NUMBER
E0.1

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