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 PROJECT MANAGER 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 MANAGER.

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. 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).

3. 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.

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

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

6. 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.

7. 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.

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

9. ALL LIGHTING FIXTURES THAT ARE NOT LABELED ARE EXISTING TO REMAIN. ELECTRICAL CONTRACTOR SHALL PERFORM MAINTENANCE ON ALL EXISTING ELECTRICAL ITEMS WITHIN PROJECT SCOPE, AS COORDINATED WITH KROGER PROJECT MANAGER, AND 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.

10. 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.

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 PROJECT MANAGER 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 OR INSTALLATION OF NEW OR RELOCATED EQUIPMENT, 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. SEE EISD-1 ON SHEET E5.1.

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

18. TELE-POWER POLES FOR CHECK LANES SHALL BE FURNISHED BY [illegible] AND INSTALLED BY [illegible] CONTRACTOR'S ELECTRICAL SUBCONTRACTOR. TERMINATE AND LABEL CONDUCTORS IN OUTLETS AT [illegible] 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 [illegible] FOR ADDITIONAL INFORMATION.

RELOCATED ELECTRICAL EQUIPMENT REQUIREMENTS

NAME	ELECTRICAL REQUIREMENTS
ALC9665B(R)	LH CUST. UNLOAD (96" FRONT BELT/65" REAR BELT)
B27(R)	3-ROLL WRAPPER (NO WINGS)
B44T(R)	SERVICE SCALE/UPC PRINTER (TOLEDO)
B99CD(R)	CAKE DECORATOR W/CDROM IMAGE DISC
B100(R)	AIR BRUSH W/COMPRESSOR
C39-4(R)	4' BEAUTY CARE LIGHT VALANCE
C39-4S(R)	4' BEAUTY CARE LIGHT VALANCE (STARTER)
D23T(R)	SERVICE SCALE/UPC PRINTER (TOLEDO)
D26(R)	MANUAL SLICER
D115(R)	WRAPPER (TABLE TOP)
DAGD12HX(R)	12' FIVE-DECK DAIRY CASE
DMHF4AM(R)	4' MOBILE HOT FOOD
E6(R)	MFP (FAX PRINTER COPIER SCANNER)
E15I(R)	IDF NETWORK RACK
E17C(R)	[illegible] ALARM [illegible]
E38TP(R)	
E38TS(R)	
E102(R)	THINCLIENT MONITOR
G27BSC(R)	2 DOOR REFRIG. PET FOOD MERCH. (SELF CONT.)
G27BSCF(R)	2 DOOR FROZEN PET FOOD MERCH. (SELF CONT.)
[illegible](R)	COFFEE GRINDER
[illegible](R)	[illegible] BOTTLED BEVERAGE MERCHANDISER
[illegible]	COFFEE CAFÉ -4' INLINE "SPECIALTY" SECTION
G99[illegible]	COFFEE CAFÉ - 4' INLINE "READY TO DRINK" SECTION
G99C(R)	COFFEE CAFÉ - 4' INLINE "BULK" SECTION
GE38(R)	POS TERMINAL
GE153(R)	FREESTANDING WORKSTATION
[illegible](R)	EFT PIN PAD & CREDIT CARD READER
[illegible]6(R)	MICROWAVE
GGDNIC6PHI(R)	6' NARROW GLASS DOOR GROCERY PROMO (2 DOORS)
GGDNIC8HI(R)	8' NARROW GLASS DOOR ICE CREAM TEMP GROCERY (3 DOORS)
GGDNIC10HI(R)	10' NARROW GLASS DOOR ICE CREAM TEMP GROCERY (4 DOORS)
GGDNIC12HI(R)	12' NARROW GLASS DOOR ICE CREAM TEMP GROCERY (5 DOORS)
GM7-4(R)	4' OTC LIGHT VALANCE
GM7-4S(R)	4' OTC LIGHT VALANCE (STARTER)
GM17(R)	4' POWERED MERCHANDISE SECTION (CONTRACTOR SUPPLY)
M11T(R)	SERVICE SCALE/UPC PRINTER (TOLEDO)
MWILTEHX(R)	LOW TEMP WIDE ISLAND MEAT END CASE
MWIMTEHX(R)	88W FOR FANS & A.S. HTRS, 1360W (208V, 1PH) FOR ELEC DEF (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON WIDE ISLAND GROCERY CASE END
P21(R)	PRODUCE WRAPPER (3-ROLL) (FLOOR MODEL)
P31(R)	SERVICE SCALE/UPC PRINTER
P31T(R)	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO), MOUNT RCPT 4'-0" AB FL. PROVIDE A 3/4" CONDUIT TO ECR ROOM
PMSC6B(R)	6' MOBILE SELF CONTAINED PRODUCE CASE
R16(R)	PHARMACY LASER PRINTER
R37B(R)	UNDERCOUNTER REFRIGERATOR (BIOMEDICAL)
R42(R)	UPRIGHT REFRIGERATOR/FREEZER
R88V(R)	64 GALLON SHREDDING CONTAINER
RIS(R)	RX IMAGE SCANNER
RPC(R)	
RTP(R)	RX THERMAL PRINTER (BACKTAGS & VIAL LABELS)
S206R3(R)	3 DOOR SEAFOOD STORAGE REFRIGERATOR (REMOTE)
SWILTEHX(R)	88W FOR FANS & A.S. HTRS, 1360W (208V, 1PH) FOR ELEC DEF (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON WIDE ISLAND GROCERY CASE END
T3S(R)	3' OPEN TABLE W/UNDERSHELF
T4S(R)	4' OPEN TABLE W/UNDERSHELF
T6S(R)	6' OPEN TABLE W/UNDERSHELF
T8S(R)	8' OPEN TABLE W/UNDERSHELF

ELECTRICAL SYMBOL LEGEND

GENERAL SYMBOL EXPLANATION

SYMBOL	EXPLANATION
	WALL OUTLET - HEIGHT AS INDICATED ON PLAN
	OUTLET INSTALLED IN JOIST SPACE, UNLESS NOTED OTHERWISE
	SURFACE MOUNTED OUTLET
JB	JUNCTION BOX
WP	WEATHERPROOF
CM	CEILING MOUNTED

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.
	120V. JUNCTION BOX
	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_{MO}	MOMENTARY OVERRIDE SWITCH. COOPER (GREENGATE) AML SWITCH WITH NO LED. AML 1[illegible] ONE GANG, 1 SWITCH STAINLESS STEEL SWITCHPLATE AML 116.
	MOTOR CONNECTION BY CONTRACTOR
	CONDUIT CONCEALED UNDER FLOOR SLAB
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN WALL OR CEILING
N PH	CONDUIT EXPOSED
	EXIT LIGHT FIXTURE
SR	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.
OS1	ONE WAY [illegible] MOUNTED LIGHTING SENSOR WITH SWITCHPACK ABOVE CEILING. CONNECT SENSOR TO SWITCHPACK WITH #18 AWG CLASS 2 CONDUCTORS. WATTSTOPPER OS P/N WT-600.
OS2	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.
OS3	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.
SS	SUCTION STOP SOLENOID VALVE FOR REFRIGERATED CASE. SEE REFRIGERATION PLANS FOR MORE INFORMATION.

ELECTRICAL EQUIPMENT REQUIREMENTS

NAME	ELECTRICAL REQUIREMENTS
ACLR1-T	120V, 1PH, 720W DEDICATED CIRCUIT W/ ISOLATED GROUND RECEPTACLE FOR USCAN 1 BAG CHECKOUT LANE. ADDITIONAL QUAD OUTLET (86W TOTAL) ON A SEPARATE CIRCUIT FOR EAS DEACTIVATOR.
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.
ALE69-4	120V, 7.2W, FOR 4 FT LED LIGHT FOR SHELVING SECTION
AUAS	120V, 10A MIN. DEDICATED CIRCUIT FOR ENTERPRISE SELF-CHECKOUT ATTENDANT STATION
B55C	LOCAL
B55SS-2	120V, 720W, 1PH, FOR SELF SERVICE BREAD SLICER
BMDL5HP	72W FOR FANS, 117W FOR LIGHTS ON 5' MDLP BAKERY CASE
BV5D6HX	50W FOR FANS, 177W FOR LIGHTS ON 6' V.S. BEV. CASE. MOUNT J.B. 1'-6" AB FL
BVGDNX8HE	120V, 96W FOR FANS, 65W FOR LIGHTS ON 8FT NARROW GLASS DOOR BEVERAGE CASE. MOUNT J.B. 1'-6" AB FL
BVGDNX12HE	120V, 132W FOR FANS, 95W FOR LIGHTS ON 12FT NARROW GLASS DOOR BEVERAGE CASE. MOUNT J.B. 1'-6" AB FL
CH1D6HP	72W FOR FANS, 36W FOR LIGHTS ON 6' SINGLE DECK CHEESE CASE
CH1D10HP	144W FOR FANS, 60W FOR LIGHTS ON 10' SINGLE DECK CHEESE CASE
CH1D90HP	72W FOR FANS, 24W FOR LIGHTS ON 90 DEGREE OUTSIDE SINGLE DECK CHEESE WEDGE
D1DSC2HP-2	120V, 15AMP, 1PH FOR 2' SINGLE DECK MOBILE DELI CASE (SELF-CONTAINED)
D23T	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO), PROVIDE A 3/4" COND. TO ECR ROOM
D25S	300W, 120V, 1PH, FOR DELI AUTOMATIC SLICER STACKER
D36	120V 1PH 13.0A CKT, 1750W 3'-5" AB FL FOR MICROWAVE OVEN
D41	SEE KROGER A&E STANDARDS FOR WHERE PLUGMOLD IS REQUIRED
D62CF	120V, 1 PH, 2400W FOR DISPENSER, 120V, 1 PH, 1800W FOR WATER BOOSTER
D62IF	1656W FOR ICE MACHINE FOR FREESTYLE (REQ'D. LOCKED ON DEVICE @ PANEL)
D68B	1700W FOR COFFEE BREWER FOR INSULATED SERVER
D77B	1150W FOR RICE COOKER
D115E	2000W (NON-CONTINUOUS) DEDICATED 20A CIRCUIT FOR ENERGY EFFICIENT WRAPPER (TABLE TOP). MOUNT RCPT. 4'-0" AB. FL.
D115M	725W FOR MINI-WRAPPER (TABLE TOP)
D174SC6	* 115V 8 AMPS FOR 6' SELF-CONTAINED PIZZA MAKE-UP TABLE. MOUNT RCPT. 2'-0" AB. FL. (REQ'D. LOCKED ON DEVICE @ PANEL)
D174SC8	* 115V 10 AMPS FOR S.C. PIZZA MAKE-UP TABLE. MOUNT RCPT. 2'-0" AB. FL. (REQ'D. LOCKED ON DEVICE @ PANEL)
D182	115V 1/2 HP 8.5A FOR CHEESE SHREDDER, MOUNT RCPT 4'-0" AB. FL.
D183	120V 1PH 14AMPS FOR SALES AREA MICROWAVE, MOUNT RCPT 4'-0" AB. FL.
D263D	1700W FOR ICED TEA BREWER (DUAL DILUTION)
D270SC1-2	120V, 240W, 1PH, FOR UNDERCOUNTER REFRIGERATOR
D275B	1 DUPLEX CONVENIENCE OUTLET AT BASE FOR EVERY 4' OF BENCH
D287	208V, 13A (NEMA 6-20) FOR TORTILLA WARMER
D299TV-48	120V, 180W, 1PH, FOR 48" DIGITAL MONITOR FOR DELI [illegible] BOARD
D334R-2	475W, 208V, 1PH, FOR PREWIRED ELECTRICAL LOAD PANEL [illegible] 16' SALAD BAR WITH SOUP (REMOTE)
DAGD6HE	120V, 70W FOR FANS, [illegible] FOR LIGHTS ON 6FT GLASS DOOR DAIRY CASE. MOUNT J.B. 1'-6" AB FL
DAGD12HE	120V, 132W FOR FANS, [illegible] FOR LIGHTS ON 12FT GLASS DOOR DAIRY CASE. MOUNT J.B. 1'-6" AB FL
DAWIMT8HX	200W FOR FANS & A.S. HTRS, 3200W (208V, 1PH) FOR ELEC. DEF. (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON 8' WIDE ISLAND GROCERY CASE (ICE CREAM TEMP)
DAWIMTEHX	[illegible] FOR FANS & A.S. HTRS, [illegible]W (208V, 1PH) FOR ELEC DEF (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON WIDE ISLAND GROCERY CASE END
DMDLR4HC	120V, 16W FOR FANS, 31W, FOR [illegible] LIGHTS, FOR 4' FRESH SLICED MULTI DECK CASE (REMOTE)
DMDLR8HC	120V, 32W FOR FANS, 41W FOR LIGHTS, FOR 8' FRESH SLICED MULTI DECK CASE (REMOTE)
DMDL[illegible]	120V, 48W, FOR FANS, 51W, FOR LIGHTS, FOR 12' FRESH SLICED MULTI DECK CASE (REMOTE)
[illegible]	120V, 2184W, FOR 4' MOBILE SELF CONTAINED DELI CASE.
DMSC6SS	[illegible]V, 3360W, 1PH FOR 6' MOBILE SELF CONTAINED DELI CASE.
DPBWST8AT	[illegible], 1PH, 1103W FOR OVERHEAD WARMER, 208V, 1PH, 396W FOR WARMER DRAWER, 208V, 1PH, 1498W FOR DROP-IN WARMER, 120V, [illegible]W FOR EVAPORATOR
DPZSO8AT	208V, 1PH, 1934.5W [illegible] HEAT LAMP, 208V, 1PH, 1914W FOR DROP-IN WARMER, 208V, 1PH, 1914W FOR DROP-IN WARMER, 208V, 1PH, 78[illegible] FOR HEATED D[illegible]
DS12HE	30W FOR FANS, 135W FOR AMB FANS, 1200W A/S HTRS, 257W FOR LIGHTS
[illegible]9S	180W FOR EAS PEDESTALS
[illegible]TV-47	300W FOR LCD WIDESCREEN (47")
[illegible]S	120V [illegible]00W DEDICATED CIRCUIT FOR POS EQUIPMENT FOR SCO ATTENDANT STATION
[illegible]	1[illegible], 168W, 1PH
F5[illegible]	[illegible]0W FOR FANS, 177W FOR LIGHTS ON 8' 5-DECK NARROW FLORAL CASE
F5D[illegible]	75W FOR FANS, 255W FOR LIGHTS ON 12' 5-DECK NARROW FLORAL CASE
F41	SEE KROGER A&E STANDARDS FOR WHERE PLUGMOLD IS REQUIRED
F47L	(2)120V, 20A DUPLEX OUTLETS & 112W FOR LIGHTS ON FLORAL WORKSTATION
G8[illegible]BSC	348W FOR CHECKSTAND REFRIGERATED MERCHANDISER
G101	1500W FOR NCIM SAMPLING AREA. PROVIDE OUTLET ON SEPARATE CIRCUIT AT BASE OF ADJACENT CASE, FIXTURE, OR COLUMN.
GE1H	115V 30W, 5'-6" AB FL, FOR FLY TRAPPER
GE96B	120V 840W FOR BATTERY CHARGER MOUNT OUTLET 2'-0" AB FL FOR ELECTRONIC SHOPPING CART (REAR DRIVE)
GE156	120V 250W ELEC FED FROM RACEWAY FOR EFT PIN PAD & CREDIT CARD READER
GGDNIC6PHI	130W FOR FANS, 182W FOR A.S. HTRS., 43W FOR LIGHTS, 1400W (208V 1PH) FOR ELEC DEF. (TO PANEL FOR DEF WIRING) ON 6' NARROW GLASS DOOR ICE CREAM TEMP GROCERY CASE
GGDNIC8HI	195W FOR FANS, 273W FOR A.S. HTRS., 65W FOR LIGHTS, 2100W (208V 1PH) FOR ELEC DEF. (TO PANEL FOR DEF WIRING) ON 8' NARROW GLASS DOOR ICE CREAM TEMP GROCERY CASE
GGDNIC10HI	260W FOR FANS, 364W FOR A.S. HTRS, 86W FOR LIGHTS, 2800W (208V 1PH) FOR ELEC DEF. (TO PANEL FOR DEF WIRING) ON 10' NARROW GLASS DOOR ICE CREAM TEMP GROCERY CASE
GGDNIC12HI	326W FOR FANS, 455W FOR A.S. HTRS, 108W FOR LIGHTS, 3500W (208V 1PH) FOR ELEC DEF. (TO PANEL FOR DEF WIRING) ON 12' NARROW GLASS DOOR ICE CREAM TEMP GROCERY CASE
GM7-4	32W FOR 4' OTC LIGHT VALANCE
GM7-4S	
GM20NL-84	32W FOR NARROW KPNR ENDCAP W/GRAPHIC ON RIGHT SIDE (84" H).
GM20NR-84	32W FOR NARROW KPNR ENDCAP W/GRAPHIC ON RIGHT SIDE (84" H).
GMSC4HC	120V, 2345W, 1PH FOR 4' MOBILE SELF CONTAINED PROMO GROCERY CASE
M14	110V 1PH 10 AMP CKT FOR 3-ROLL WRAPPER (NO WINGS)
MLR-BSALRBT	2000W FOR MEAT BELT SEAL/AUTOLABEL SYSTEM W/ ROTARY BIN
MS8HC-2	120V, 4.7W FOR AIRSWEEP FANS, 62W FOR LED LIGHTS, 1800W FOR CONVENIENCE OUTLET, FOR 8' SERVICE MEAT CASE
MS12HC-2	120V, 4.7W FOR AIRSWEEP FANS, 93W FOR LED LIGHTS, 1800W FOR CONVENIENCE OUTLET, FOR 12' SERVICE MEAT CASE
MWILT8HX	200W FOR FANS & A.S. HTRS, 3200W (208V, 1PH) FOR ELEC. DEF. (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON 8' WIDE ISLAND GROCERY CASE (ICE CREAM TEMP)
MWIMT8HX	200W FOR FANS & A.S. HTRS, 3200W (208V, 1PH) FOR ELEC. DEF. (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON 8' WIDE ISLAND GROCERY CASE (ICE CREAM TEMP)
N16P	120V 20A DEDICATED CIRCUIT FOR PEANUT BUTTER GRINDER
N34T	120V 1PH .75AMPS FOR BULK FOODS SCALE, PROVIDE A 3/4" COND. TO ECR ROOM
P5DGR8HX	50W FOR FANS, 118W FOR LIGHTS ON 8' PRODUCE WALL CASE. MOUNT J.B. 1'-6" AB FL
P5DGR12HX	75W FOR FANS, 170W FOR LIGHTS ON MULTI-DK PRODUCE WALL CASE MOUNT J.B. 1'-6" AB FL
P54	100W FOR PRODUCE MISTING CONTROL/TIMER. DUPLEX OUTLET MOUNTED ABOVE CASE
PGD12HE	120V, 132W FOR FANS, 95W FOR LIGHTS ON 12FT GLASS DOOR PRODUCE CASE. MOUNT J.B. 1'-6" AB FL
PMSC6SS-2	208V, 16.6AMP, 1PH FOR 6' BERRY CASE (SELF CONTAINED)
RBS	120V, 15A CIRCUIT FOR STACKED REFRIGERATOR/FREEZER (BIOMEDICAL) REQUIRED TO BE ON EMERGENCY CIRCUIT.
RBU	120V, 15A CIRCUIT FOR UNDERCOUNTER REFRIGERATOR (BIOMEDICAL) REQUIRED TO BE ON EMERGENCY CIRCUIT.
RPC	315W FOR RX EASYFILL PRN PC & 17" LCD
RTP	58W FOR RX THERMAL PRINTER (BACKTAGS & VIAL LABELS)
S24T	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO). PROVIDE A 3/4" CONDUIT TO ECR ROOM
S204BR3	1584W FOR 3 DOOR SEAFOOD STORAGE FREEZER (REMOTE)
SS8HC-DSFM	68W FOR FANS, 89W FOR ANTISWEAT HTRS, AND 15A CONVENIENCE OUTLET
SWIHL8H	120V, 4.1 AMP 1PH FOR 8' WIDE ISLAND SEAFOOD HALF LIDS WITH LED LIGHTS
SWILT8HX	200W FOR FANS & A.S. HTRS, 3200W (208V, 1PH) FOR ELEC. DEF. (ROUTE CONDUIT TO MECH CENTER OR PROTOCOL UNIT FOR CONTROL CKT & DEFROST WIRING) ON 8' WIDE ISLAND GROCERY CASE (ICE CREAM TEMP)
T4D	PROVIDE POWER FOR TABLE TOP EQUIPMENT AS SHOWN ON LEGEND & 800W. CONVENIENCE OUTLETS, 4'-0" AB.FL. AS REQUIRED BY CODE
T4S	PROVIDE POWER FOR TABLE TOP EQUIPMENT AS SHOWN ON LEGEND & 800W. CONVENIENCE OUTLETS, 4'-0" AB.FL. AS REQUIRED BY CODE
T6D	PROVIDE POWER FOR TABLE TOP EQUIPMENT AS SHOWN ON LEGEND & 800W. CONVENIENCE OUTLETS, 4'-0" AB.FL. AS REQUIRED BY CODE
T6SC	1265W FOR 6' TABLE W/REF BASE (SELF- CONT.)
T8SC	115V 10AMP FOR 8' SELF-CONTAINED TABLE W/REFRIG. BASE
TMP-164	208V, 47.2AMP, 3PH FOR OPEN FRYER
TMP-165	208V, 13.8AMP, 1PH FOR HOT HOLDING CABINET
TMP-170	208V, 17AMP, 1PH FOR 4' SELF SERVICE MULTI DECK HOT CASE
TMP-211	120V, 9AMP, 1PH FOR UNDER COUNTER HOT HOLDING CABINET
TMP-214	208V, 811W, 1PH, FOR HOT FOOD CABINET, 120V, 468W, 1PH, FOR UNDERCOUNTER REFRIGERATOR. ALL COMPONENTS WIRED TO SINGLE PHASE LOAD SUB PANEL. SWITCHES INCLUDED FOR ALL APPLICABLE COMPONENTS.
TMP-216	120V, 180W, 1PH, FOR LED LIGHTS ON MID-HEIGHT ARTISAN BREAD DISPLAY
TMP-217	120V, 180W, 1PH, FOR LED LIGHTS ON MID-HEIGHT BAGUETTE DISPLAY
TMP-218	120V, 180W, 1PH, FOR LED LIGHTS ON MID-HEIGHT BAGEL/PRETZEL DISPLAY
TMP-219	120V, 180W, 1PH, FOR LED LIGHTS ON MID-HEIGHT DONUT DISPLAY
TMP-221	120V, 7.5AMP, 1PH, FOR DUPLEX OUTLET IN SBG LOW BOY KIOSK
TMP-222	120V, 4.5AMP, 1PH, FOR DUPLEX OUTLET IN SBG SLIM KIOSK

LOW VOLTAGE EQUIPMENT REQUIREMENTS

NAME	LOW VOLTAGE REQUIREMENTS
ACLR1-T	1 DATA JACK
AUAS	
D23T	1 DATA JACK
D23T(R)	1 DATA JACK
D299TV-48	ETHERNET JACK
E6(R)	1 DATA JACK
E9S	1 DATA JACK
E15I(R)	1 DATA JACK
E22TV-47	DATA JACK & COAX JACK
E38AS	3 DATA, 1 VOICE JACK
E102(R)	1 DATA JACK
GE38(R)	3 DATA, 1 VOICE JACK
GE153(R)	1 DATA JACK
GE156	DATA JACK
GE156(R)	1 DATA JACK
M11T(R)	1 DATA JACK
N34T	1 DATA JACK
P31T(R)	1 DATA JACK
RIS(R)	3 DATA, 1 VOICE JACK
RPC	1 DATA JACK
RPC(R)	1 DATA JACK

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