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COMcheck Software Version 4.0.8.2
Interior Lighting Compliance Certificate

Project Information

Energy Code:	2012 IECC
Project Title:	Kroger L758
Project Type:	Alteration

Construction Site:	Owner/Agent:	Designer/Contractor:
234 EASTBROOKE PKWY. MT WASHINGTON, KY	KROGER 1600 ORMSBY STATION COURT LOUISVILLE, KY 40223	STEPHEN FEDERLE KLH ENGINEERS 1538 ALEXANDRIA PIKE SUITE 11 FT. THOMAS, KY 41075

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Sales Floor (Retail:Sales area): Exempt			
		Total Allowed Watts =	N/A

Area Category Exemption Qualifications

Activity Area	# Fixtures Pre-Alt.	# Fixtures Repl./Added	Total # Watts Pre-Alt.	Total # Watts Post-Alt.
Sales Floor (Retail:Sales area 55640 sq.ft.) Exemption: Less than 50% fixture replacement.	530	184	109302.000	84105.000

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Sales Floor (Retail:Sales area 55640 sq.ft.): Exempt				
		Total Proposed Watts =		N/A

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title ______ Signature ______ Date ______

COMcheck Software Version 4.0.8.2
Inspection Checklist

Energy Code: 2012 IECC

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
LIGHTING AND LIGHTING CONTROLS	
	LUMINAIRE (REFER TO THE LUMINAIRE SCHEDULE) NOTE THAT OTHER SHAPES MAY ALSO BE USED TO REPRESENT LUMINAIRES
	SHADED LUMINAIRES DENOTE THOSE CONNECTED TO EMERGENCY OR STANDBY POWER AS APPLICABLE (UNSWITCHED LUMINAIRES ARE EGRESS LIGHTS AND/OR NIGHT-LIGHTS THAT OPERATE 24/7)
	TRACK LIGHTING IN LENGTH SHOWN AND WITH NUMBER OF LUMINAIRE HEADS AS INDICATED PROVIDE ALL REQUIRED ACCESSORIES (FITTINGS, END CAPS, POWER FEEDS, ETC.)
WALL MOUNT	SINGLE / DOUBLE SIDED EXIT SIGN CONNECT AHEAD OF SWITCHING & CONFIGURE ARROWS TO INDICATE DIRECTION OF EGRESS TRAVEL
A NL a EL	A = LUMINAIRE TYPE (REFER TO THE LUMINAIRE SCHEDULE), NL = NIGHT-LIGHT (UNSWITCHED), a = SWITCHING DESIGNATION, EL = EGRESS LUMINAIRE (UNSWITCHED OR AUTO-ON DURING UTILITY OUTAGE)
	LIGHTING SWITCH (KEYS: 2 = 2-POLE, 3 = 3-WAY, 4 = 4-WAY, D=DIMMER, K=KEYED, LV = LOW VOLTAGE M = MOMENTARY-CONTACT 1PDT W/CENTER-REST, P = SWITCH W/PILOT LIGHT, T = TIMER SWITCH)
RECEPTACLES AND MISCELLANEOUS OUTLETS	
	SINGLE ("SIMPLEX"), DUPLEX, AND DOUBLE DUPLEX ("QUAD") RECEPTACLE RESPECTIVELY
	SPECIAL PURPOSE RECEPTACLE
H C T 42" W SW L	RECEPTACLE ATTRIBUTES 42" = MOUNT RECEPTACLE AT THIS HEIGHT ABOVE GRADE / FINISHED FLOOR C = INSTALL ABOVE COUNTER AND BACKSPLASH H = INSTALL RECEPTACLE HORIZONTALLY L = LIT (PROVIDE ILLUMINATED FACE OR INDICATOR LIGHT TO INDICATE THERE IS POWER TO RECEPTACLE) SW = SPLIT WIRED T = TAMPER-RESISTANT W = WEATHER PROOF WHILE IN USE COVER AND WEATHER RESISTANT RECEPTACLE
MISCELLANEOUS	
	INDICATES DIRECT CONNECTION TO EQUIPMENT
	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED) (LEFT) HEAVY DUTY DISCONNECT SWITCH (FUSED) (RIGHT)
FRONT	ELECTRICAL SWITCHBOARD OR SWITCHGEAR (DIMENSIONS MAY VARY)
	ELECTRICAL PANELBOARD OR DISTRIBUTION BOARD (DIMENSIONS MAY VARY / FLUSH OR SURFACE MOUNTED AS INDICATED)
FRONT	DRY TYPE TRANSFORMER
PAD POLE	OIL FILLED TRANSFORMER
SINGLE LINE DIAGRAM	
	GROUNDING ELECTRODE PER NFPA 70 ARTICLE [illegible] MINIMUM
	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED)(LEFT) (FUSED)(RIGHT) SIZES MAY BE SHOWN ONLY IN SCHEDULE
	ELECTRICAL PANELBOARD OR DISTRIBUTION BOARD
	ELECTRICAL SWITCHBOARD OR SWITCHGEAR
	AUTOMATIC TRANSFER SWITCH
	SURGE PROTECTIVE DEVICE

TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION
TECHNOLOGY (ROUGH-IN ONLY)	
COORDINATE WITH SYSTEM INSTALLERS PRIOR TO INSTALLATION FOR LOCATIONS, HEIGHTS, CONDUIT TERMINATIONS, ETC. ALL OUTLET BOXES FOR ROUGH-IN SHALL BE MINIMUM 2-1/4" DEEP.	
	COMMUNICATIONS OUTLET - VOICE, DATA, VOICE/DATA RESPECTIVELY LEFT TO RIGHT - PROVIDE 4"X4" OUTLET BOX WITH 1-GANG RING AND (1) 1" CONDUIT TO ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.
	RF TELEVISION COAX OUTLET - PROVIDE 4"X4" OUTLET BOX WITH 1-GANG RING AND (1) 1" CONDUIT TO ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
WIRE / CABLE / RACEWAY	
LPA-1,3	BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER(S)
	CABLING / RACEWAY INSTALLED CONCEALED IN WALLS OR ABOVE CEILING
	CABLING / RACEWAY INSTALLED BELOW FLOOR OR GRADE
	CABLE TRAY
	JUNCTION BOX ABOVE ACCESSIBLE CEILING JUNCTION BOX AT OVERHEAD STRUCTURE IN AREAS WITH NO CEILING
	SERVICE POLE - POWER AND TECHNOLOGY WHERE APPLICABLE.
UP DN	CONDUIT UP OR DOWN

ABBREVIATIONS

(R)	RELOCATE FIXTURE, EQUIPMENT OR DEVICE	IG	[illegible]TED GROUND
42"	DISTANCE ABOVE FINISHED FLOOR / GRADE / PAVEMENT	LR	LE[illegible] REQUIRED STANDBY
		LI	LONG - INSTANTANEOUS
AF	AMP FRAME OF FUSED SWITCH OR CIRCUIT BREAKER	LSI	LONG - SHORT - INSTANTANEOUS
		LSIG	LONG - SHORT - INSTANTANEOUS - GROUND FAULT
AFCI	ARC-FAULT CIRCUIT INTERRUPTER		
AIC	SHORT CIRCUIT AMPS INTRRUPTING RATING		
AT	AMP TRIP OF FUSED SWITCH OR CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER
		MFR	MANUFACTURER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
		[illegible]TS	[illegible] TRANSFER SWITCH
BAS	BUILDING AUTOMATION SYSTEM	[illegible]	[illegible]WAVE OVEN
C.T.C.	WORK UNDER DIVISION 27 OR 28 AS APPLICABLE	[illegible]	NOT IN CONTRACT (SHOWN FOR REFERENCE ONLY)
[illegible]B	CIRCUIT BREAKER	NT[illegible]	NOT TO SCALE
CH	COUNTER HEIGHT OR SPECIAL HEIGHT DEVICE	[illegible]	OWNER-FURNISHED EQUIPMENT - INSTALLED AND WIRED BY E.C.
DW	DISHWASHER	OS	OPTIONAL STANDBY
E	EMERGENCY		
[illegible]	WORK UNDER DIVISION [illegible]	P.C.	WORK UNDER DIVISION 22
[illegible]	ENERGY MANAGEMENT SYSTEM		
[illegible]	EMERGENCY POWER OFF	S.C.	WORK UNDER DIVISION 21
[illegible]	EQUIPMENT ROOM	SPD	SURGE PROTECTIVE DEVICE
[illegible]	ENERGY REDUCTION MAINTENANCE SWITCH	ST	SHUNT TRIP
ET[illegible]	EXISTING TO REMAIN	TAAC	TO ABOVE ACCESSIBLE CEILING
EW[illegible]	ELECTRIC WATER COOLER	TR	TAMPER RESISTANT
EX.	EXISTING	TTB	TELEPHONE TERMINAL BOARD
		TYP	TYPICAL
FBO	FURNISHED BY OTHERS - INSTALLED AND WIRED BY E.C.	UCR	UNDER COUNTER REFRIGERATOR
FIBO	FURNISHED AND INSTALLED BY OTHERS - WIRED BY E.C.	UL	UNDERWRITER'S LABORATORY
		U.L.S.E.	LISTED FOR SERVICE ENTRANCE
FP	RECEPTACLE TO BE USED FOR A FLAT PANEL DISPLAY.	UNO	UNLESS NOTED OR INDICATED OTHERWISE ON DRAWINGS OR IN SPECIFICATIONS
FW[illegible]	FURNISHED WITH EQUIPMENT BY OTHERS - INSTALLED AND WIRED BY E.C. GD		
	GARBAGE DISPOSAL	VFD / VSD	VARIABLE FREQUENCY / SPEED DRIVE
GFEP	GROUND FAULT EQUIPMENT PROTECTION	VIF	VERIFY IN FIELD
GFI / GFCI	GROUND FAULT CIRCUIT INTERRUPTER DEVICE	VM	VENDING MACHINE
GND	GROUND	VP	VANDAL PROOF
H.C.	WORK UNDER DIVISION 23	WG	WIRE GUARD
H.O.A.	"HAND - OFF - AUTO" SWITCH	WR	WEATHER RESISTANT

PLAN-VIEW AND GRAPHIC LINE TYPES

WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK (UNLESS OTHERWISE INDICATED)

WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE (UNLESS OTHERWISE INDICATED)

WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK (UNLESS OTHERWISE INDICATED)

SECURITY SYSTEMS

SYMBOL	DESCRIPTION
DS	DOOR SENSOR
	WALL AND CEILING MOTION SENSOR RESPECTIVELY LEFT TO RIGHT

ENERGY MANAGEMENT SYSTEM (EMS) LEGEND

(APPLIES ONLY FOR EMS DRAWING SHEETS)

SYMBOL	DESRIPTION	NOTE	CABLE/CONDUCTORS
D1	BRANCH DEFROST CONDUIT	PROVIDE OUTLET BOX AT CASE. PROVIDE WIRING FROM CASE TO RESPECTIVE 3-PHASE DEFROST CONNECTION POINT PER RISD-13 (WHERE APPLICABLE), OR DIRECTLY TO PROTOCOL UNIT. SEE DEFROST WIRING SCHEDULE. PROVIDE WIRING IN 1" CONDUIT FOR ALL OTHER APPLICATIONS. PROVIDE 1" CONDUIT FOR KLIXON UNITS. KLIXON UNITS TO BE WIRED IN SERIES PER REFRIGERATION CIRCUIT WITH A SINGLE HOME RUN TO "RC" PER CIRCUIT.	SEE DEFROST BREAKER SCHEDULE ON EMS SHEETS. REFER TO SPECIFICATION 26.05.19 FOR CABLING REQUIREMENTS AND ADDITIONAL INFORMATION.
D3	DEFROST CONDUIT	PROVIDE OUTLET BOX AT CASE. PROVIDE WIRING FROM CASE TO RESPECTIVE DANFOSS "RC" PANEL. SEE DEFROST WIRING SCHEDULE. PROVIDE WIRING IN 1" CONDUIT FOR WALK-IN COOLERS/FREEZERS AND ALL OTHER APPLICATIONS. IN ADDITION, PROVIDE 1" CONDUIT FOR KLIXON UNITS. KLIXON UNITS TO BE WIRED IN SERIES PER REFRIGERATION CIRCUIT WITH A SINGLE HOME RUN TO "RC" PER CIRCUIT.	SEE DEFROST BREAKER SCHEDULE ON EMS SHEETS. REFER TO SPECIFICATION 26.05.19 FOR CABLING REQUIREMENTS AND ADDITIONAL INFORMATION.
SS	SUCTION STOP SOLENOID	PROVIDE OUTLET BOX AT CASE. PROVIDE CABLE IN 1" CONDUIT FROM SOLENOID TO RESPECTIVE "RC" CONTROL PANEL. SOLENOID SHALL BE FURNISHED & INSTALLED BY REFRIGERATION CONTRACTOR.	SEE 208V COOLING COIL FAN WIRING SCHEDULE ON THIS SHEET.
DS	DOOR SENSOR	PROVIDE OUTLET BOX AT COOLER/FREEZER DOOR AS DIRECTED BY REFRIGERATION CONTRACTOR. PROVIDE CABLE IN 1" EMT CONDUIT FROM SENSOR TO RESPECTIVE "RC" PANEL. SENSOR SHALL BE FURNISHED & INSTALLED BY REFRIG. CONTRACTOR.	REFER TO SPECIFICATION 26.05.19 FOR CABLING REQUIREMENTS AND ADDITIONAL INFORMATION.
TS	TEMPERATURE SENSOR (REFRIGERATION)	PROVIDE OUTLET BOX AT CASE. PROVIDE CABLE FROM SENSOR TO RESPECTIVE "RC" CONTROL PANEL. PROVIDE 1" CONDUIT TO JOIST SPACE OR ABOVE CEILING, THEN FREE-WIRED TO JOIST SPACE. CABLE IN JOIST SPACE TO BE FREE-WIRED.	REFER TO SPECIFICATION 26.05.19 FOR CABLING REQUIREMENTS AND ADDITIONAL INFORMATION. REFER TO REFRIGERATION INSTALLATION SPECS FOR FREE-WIRED REQUIREMENTS.

WHERE REFRIGERATION EQUIPMENT IS SERVED FROM A PROTOCOL UNIT, ROUTE TO RESPECTIVE PROTOCOL UNIT'S "RC" CONTROL PANEL.

IN THE NOTES STATED ABOVE, PROVIDE SHALL MEAN FURNISH AND INSTALL.

PROVIDE AND WIRE ALL ADDITIONAL CONTACTORS, RELAYS AND ADDITIONAL ENCLOSURES NECESSARY FOR A FULLY WORKING DEFROST SYSTEM. REFER TO HUSSMAN EQUIPMENT SCHEDULES FOR PROTOCOL SYSTEMS AS THESE ARE TYPICALLY PROVIDED WITH THE PROTOCOL.

ENERGY MANAGEMENT SYSTEM (EMS) LEGEND NOTES

A. WHERE REFRIGERATION EQUIPMENT IS SERVED FROM A "SYSTEM", ROUTE TO "RC" CONTROL PANEL IN REAR COMPRESSOR ROOM.
B. WHERE REFRIGERATION EQUIPMENT IS SERVED FROM A PROTOCOL UNIT, ROUTE TO RESPECTIVE PROTOCOL UNIT'S "RC" CONTROL PANEL.
C. IN THE NOTES STATED ABOVE, PROVIDE SHALL MEAN FURNISH AND INSTALL.
D. "BEC" TO REFER TO BUILDING ELECTRICAL CONTRACTOR BIDDING TO THE GENERAL CONTRACTOR, "FEC" TO REFER TO FIXTURING ELECTRICAL CONTRACTOR SEPARATELY BIDDING EQUIPMENT TO KROGER. FOR ALL
E. REMODELS AND EXPANSIONS, BEC AND FEC RESPONSIBILITIES WILL BE COMBINED AND FALL TO THE ELECTRICAL CONTRACTOR BIDDING TO THE GENERAL CONTRACTOR.
F. FEC TO PROVIDE AND WIRE ALL ADDITIONAL CONTACTORS, RELAYS AND ADDITIONAL ENCLOSURES NECESSARY FOR A FULLY WORKING DEFROST SYSTEM.

GENERAL ELECTRICAL PROJECT NOTES

A. PROVIDE ALL JUNCTION BOXES, CONDUIT, WIRE, INSTALLATIONS, TERMINATIONS, ETC. AS NECESSARY FOR COMPLETE OPERATIONAL INSTALLATION OF KROGER-FURNISHED MATERIALS.
B. ELECTRICAL CONTRACTOR RESPONSIBILITIES FOR KROGER SUPPLIED MATERIALS SHALL BE AS FOLLOWS.
   a. RECEIVE, UNLOAD, STORE AND PROTECT PRODUCT ON SITE.
   b. INSPECT PRODUCTS UPON RECEIPT FOR SHORTAGES, DAMAGES OR DEFECTS AND NOTIFY SUPPLIER WITHIN 24 HOURS.
   c. NOTIFY SUPPLIER WITHIN 20 DAYS OF RECEIPT OF ANY HIDDEN DAMAGES FOR PRODUCTS REVIEWED.
C. NEATLY INSTALL ALL CONDUIT, CABLES, ETC. PARALLEL AND PERPENDICULAR TO BUILDING STEEL.
D. PROVIDE SWEEP BENDS, INSULATED THROAT FITTINGS (OR BUSHINGS) AND 200# DRAG LINE (PULL STRING) IN ALL EMPTY CONDUITS. "OVERHEAD JOIST SPACE" SHALL BE TAKEN TO MEAN AT THE BOTTOM CHORD OF JOISTS OF THE HIGH ROOF STRUCTURE, EVEN IF CONDUIT ORIGINATED IN AN AREA WITH A CEILING OR A LOWER ROOF STRUCTURE. INSTALL ALL CONDUITS CONCEALED WHEREVER POSSIBLE. FIELD COORDINATE ALL ROUTING AND TERMINATION DETAILS IN ADVANCE.
E. ALL ELECTRICAL DEVICES, OUTLETS, JUNCTION BOXES, ETC. THAT ARE SHOWN AGAINST A WALL SHALL BE FLUSH MOUNTED IN THE WALL (i.e. RECESSED IN WALL SO OPENING IS FLUSH WITH FINISHED WALL SURFACE). REFER TO EQUIPMENT SCHEDULE FOR MOUNTING HEIGHTS AND ADDITIONAL INFORMATION. ALSO SEE DETAILS ON SHEET E5-SERIES WHERE APPLICABLE.
F. INSTALL ELECTRICAL OUTLETS FOR REFRIGERATION ISLAND CASES IN A STRAIGHT LINE ALIGNED WITH THE HUB DRAWING. COORDINATE WITH PLUMBING DIMENSIONS SIGNED PLAN.
G. PROVIDE 10 FEET OF FLEXIBLE CONDUIT FOR REFRIGERATED CASES SERVED FROM WALL JUNCTION BOXES AND 6 FEET FOR ISLAND REFRIGERATED CASES FOR CONNECTION TO CASES BY THE PHASE II EQUIPMENT CONTRACTOR.
H. ALL WALL MOUNTED OUTLETS SERVING REFRIGERATED CASES WITH RETURN AIR PLENUM ABOVE SHALL BE ACCESSIBLE (WITH ALL WIRING PLENUM RATED AS/IF APPLICABLE).
I. PROVIDE MINIMUM #12AWG/THHN BRANCH CIRCUIT WIRING.
J. REGARDLESS OF WHERE JB's ARE SHOWN ON DRAWINGS, FEED CASES FROM WALL WHEREVER CASES ARE LOCATED AGAINST A WALL. INSTALL WALL OUTLET/JUNCTION BOXES FOR SUCH CASES SO THAT BOTTOMS OF BOXES ARE TWO (2) INCHES ABOVE TOP OF RESPECTIVE CASE (FIELD VERIFY).
K. NEW WORK SHOWN ON DRAWINGS IS SHOWN TO INDICATE MINIMUM REQUIREMENTS FOR THE NEW EQUIPMENT LAYOUT. EXISTING CONDUIT/OUTLET WORK MAY BE RE-USED WHEREVER POSSIBLE, SUBJECT TO BEING EQUIVALENT TO THE NEW WORK REQUIREMENTS SHOWN. SAWCUT AND NEATLY PATCH (IN-KIND) EXISTING FLOOR SLAB AS REQUIRED FOR NEW UNDERFLOOR DUCT SYSTEM, ISLAND RELATED WORK, CHECKOUT AREA RACEWAYS, NEW GONDOLA/SHELVING RUNS, ETC. REMOVE IF NEW STORE.

Electric Luminaire Schedule

Type	Description	Manufacturer / Series	Size	Housing / Mounting	Material	Lens Description	Lamp Qty	Lamp Type	Lamp Base	Ballast / Driver Qty	Ballast / Driver	Finish	Comments	Fixture Load	Voltage
4' TRACK	TRACK LIGHTING	COOPER (HALO) L651(MB)(P)(SL) - (BLACK)(WHITE)(SILVER)	4'x1-3/8x11/16"	SUSPENDED, COORDINATE TRACK HEIGHT WITH FIXTURE.			0	0W NONE		0	ELECTRONIC	MATCH TRACK HEAD COLOR		0 VA	277 V
8' TRACK	TRACK LIGHTING	COOPER (HALO) L652(MB)(P)(SL) - (BLACK)(WHITE)(SILVER)	8'x1-3/8x11/16"	SUSPENDED, COORDINATE TRACK HEIGHT WITH FIXTURE.			0	0W NONE		0	ELECTRONIC	MATCH TRACK HEAD COLOR		0 VA	120 V
12' TRACK	TRACK LIGHTING	COOPER (HALO) L653(MB)(P)(SL) - (BLACK)(WHITE)(SILVER)	12'x 1-3/8"x11/16"	SUSPENDED, COORDINATE TRACK HEIGHT WITH FIXTURE.			0	0W NONE		0	ELECTRONIC	MATCH TRACK HEAD COLOR		0 VA	120 V
CL12		COOPER (METALUX) LC901CB300												120 VA	120 V
CL44	CURRENT LIMITER	COOPER (METALUX) LC901CB300												960 VA	120 V
CL60	CURRENT LIMITER	COOPER (METALUX) LC901CB300												1200 VA	120 V
K3(4')	LINEAR FLUORESCENT	COOPER (CORELITE) NB-SW-2T8-1C-UNV-AC120-ST-XX-DL1 CARDINAL SILVER	48"x9"x2-7/8"	SUSPENDED 7'-6"			2	28W F028/835/XP/SS/ECO		0	ELECTRONIC		REFRIGERATED FRESH MEAT AND DELI ISLAND CASES	64 VA	120 V
MP	TRACK LIGHTING	COOPER (HALO) L1973(MB)(P)(SL) - (BLACK)(WHITE)(SILVER)	12'x 1-3/8"x11/16"	SUSPENDED, COORDINATE TRACK HEIGHT WITH FIXTURE.			0	0W NONE		0	ELECTRONIC	MATCH TRACK HEAD COLOR		0 VA	120 V
NN13	SCOUNCE LED	COOPER (LUMARK) XTOR2A-4000K	6-5/8"x4"x8"	WALL			1	30W LED included		0	ELECTRONIC		EXTERIOR WALL MOUNTED FIXTURES	30 VA	277 V
PF	POWER END FEED	COOPER (METALUX POWER END FEED												1200 VA	120 V
TR29	TRACK HEAD	COOPER (HALO) L80825NF903XX	REFER TO TRACK LIGHTING HEIGHT NOTES	TRACK, REFER TO TRACK LIGHTING HEIGHT NOTES			1	38W LED INCLUDED		0	ELECTRONIC			21 VA	120 V
TR30	TRACK HEAD	COOPER (HALO) L80815NF903XX	REFER TO TRACK LIGHTING HEIGHT NOTES	TRACK, REFER TO TRACK LIGHTING HEIGHT NOTES			1	24W LED INCLUDED		0	ELECTRONIC			21 VA	120 V
X6	SEE GENERAL NOTE 'S' ON E1.1 SERIES DRAWINGS	COOPER (SURE-LITES) LPX6		PENDANT/ WALL			0	0W LED INCLUDED		0	ELECTRONIC	SEE GENERAL NOTE 'S' ON E1.1 SERIES DRAWINGS	EXIT LIGHT FIXTURE WITH UNIVERSAL MOUNT	1 VA	277 V

2" REFERENCE LINE

JAD JAT

STUDIO A architecture
1371 BA[illegible]D
LOUISVI[illegible]KENTUCKY 40[illegible]
T:502.5[illegible] F:502.589.80[illegible]
WWW.[illegible]DAARCH.COM

CONSULTANTS

KLH ENGINEERS
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGRS.COM
LEXINGTON, KENTUCKY
LOUISVILLE, KENTUCKY
COLUMBUS, OHIO
NEW YORK, NEW YORK
1538 ALEXANDRIA PIKE, SUITE 11
FT. THOMAS, KENTUCKY 41075
800-354-9783 859-442-8050
859-442-8058 FAX

KROGER L758

234 EASTBROOKE PKWY,
MT WASHINGTON, KY

CLIENT

Kroger

KROGER COMPANY

1600 Ormsby Station Court
Louisville, Kentucky 40223

ELECTRICAL ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES

No.	Description	Date

BID ISSUE

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Project number 20168
Date 08/17/2018

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