HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT

EQUIPMENT MARK	DESCRIPTION	VOLTS (V)	PHASE	EMERGENCY	BHP (HP)	HP (HP)	HTG (kW)	WATTS	FLA (A)	MCA (A)	OCP (A)	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SD TYPE
AC-ECR	DUCTLESS SPLIT HIGH WALL UNIT	208	1						1		15		EC	EC	EC	MG	MFR	MFR	MFR	LOW	MFR	MFR	MFR	
CU-ECR	DUCTLESS SPLIT OUTDOOR CONDENSING UNIT	208	1							25	40		EC	EC	EC	MG	MFR	MFR	MFR	LOW	MFR	MFR	MFR	

Kroger Data Device Scedule

Family and Type	Type Comments	Keynote
Structured Cabling Kroger: ACLR4C-T	2 DATA JACKS	T3
Structured Cabling Kroger: ACRL4C-T	2 DATA JACKS	T4
Structured Cabling Kroger: AUAS	3 DATA, 1 VOICE JACK	T5
Structured Cabling Kroger: D23T	1 DATA JACK	T3
Structured Cabling Kroger: E38AS	3 DATA, 1 VOICE JACK	T3
Structured Cabling Kroger: E102	1 DATA JACK	T1
Structured Cabling Kroger: GE2		T3
Structured Cabling Kroger: GE38	3 DATA, 1 VOICE JACK	T3
Structured Cabling Kroger: GE38S	3 DATA, 1 VOICE JACK	T3
Structured Cabling Kroger: GE67		T3
Structured Cabling Kroger: GE107		
Structured Cabling Kroger: GE121		T3
Structured Cabling Kroger: GE156	DATA JACK	T4
Structured Cabling Kroger: M11T	1 DATA JACK	T3
Structured Cabling Kroger: S24T		
Structured Cabling: Wall Data		
TV: D299TV-48		
TV: E22TV-47		

Electric Fixture Schedule1

Fixture ID	Type Comments
A21	120V 1PH 20A, QUAD OUTLET WITH USB PORTS FOR CELL PHONE CHARGING STATION
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.
ALBK	120V, 7.5AMP, 1PH, FOR DUPLEX OUTLET IN SBG LOW BOY KIOSK
ALS9665-FS	500W FOR REGISTER (DEDICATED CIRCUIT) AND 264W FOR BELT ON ENTERPRISE STANDARD CHECKSTAND (96" FM, 65" RM)
ASK	120V, 4.5AMP, 1PH, FOR DUPLEX OUTLET IN SBG SLIM KIOSK
AUAS	120V, 10A MIN. DEDICATED CIRCUIT FOR ENTERPRISE SELF-CHECKOUT ATTENDANT STATION
B55C	120V, 840W, 1PH FOR VARIETY BREAD SLICER
B55SS-2	120V, 720W, 1PH, FOR SELF SERVICE BREAD SLICER
B99CDB	1027W FOR CAKE IMAGING MACHINE
B100	
BGDNIC6HI	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
BGDNIC8HI	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
BGDNIC12HI	72W FOR FANS, 117W FOR LIGHTS ON 5' MDLP BAKERY CASE
BMDL5HP	72W FOR FANS, 117W FOR LIGHTS ON 5' MDLP BAKERY CASE
BR5CS	
C39M-4S	120V, 5.1W, FOR 4 FT COSMETIC LIGHT VALANCE (STARTER)
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
D26	504W 4'-0" AB FL FOR MANUAL SLICER
D36	120V 1PH 13.0A CKT, 1750W 3'-5" AB FL FOR MICROWAVE OVEN
D40A	
D41	SEE KROGER A&E STANDARDS FOR WHERE PLUGMOLD IS REQUIRED
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.
D77B	1150W FOR RICE COOKER
D137	PROVIDE POWER FOR TABLE TOP EQUIPMENT AS SHOWN ON LEGEND & 800W. CONVENIENCE OUTLETS, 4'-0" AB.FL. AS REQUIRED BY CODE
D174SC8	" 115V 10 AMPS FOR S.C. PIZZA MAKE-UP TABLE. MOUNT RCPT. 2'-0" AB. FL. (REQ'D. LOCKED ON DEVICE @ PANEL)
D195-2	120V, 13.2AMP, 1PH FOR UNDER COUNTER HOT HOLDING CABINET
D195-3	208V, 13.8AMP, 1PH FOR PASS THRU HOT HOLDING CABINET
D203SC3	120V, 8.4 AMP, 1PH FOR 3 DOOR DELI STORAGE REFRIGERATOR (SELF-CONTAINED) EQUIPPED W[illegible]MA 5-15P [illegible]G.
D204SC3	120V, 15.8 AMP, 1PH FOR 3 DOOR DELI STORAGE FREEZER (SELF-C[illegible]AINED) EQUIPED WITH [illegible] PLUG.
D270SC1-2	120V, 240W, 1PH, FOR UNDERCOUNTER REFRIGERATOR
D299TV-48	120V, 180W, 1PH, FOR 48" DIGITAL MONITOR FOR DELI MENU BOARD
D335R-2	362W, 208V, 1PH, FOR PREWIRED ELECTRICAL LOAD PANEL FOR 18' SALAD BAR WIT[illegible] (REMOTE)
DGDN4HE	120V, 60W FOR FANS, 35W FOR LIGHTS ON 4FT NARROW GLASS DOOR DEL[illegible]ASE. MOUNT [illegible]'-6" AB FL
DHFMD4H	208V, 17AMP, 1PH FOR 4' SELF SERVICE MULTI DECK HOT CASE
DMDLR4HC	120V, 16W, FOR FANS, 31W, FOR LED LIG[illegible], FOR 4' FRESH SLICED MULTI D[illegible]CASE (REMO[illegible]
DMDLR6HC	120V, 24W, FOR FANS, 31W, FOR LED [illegible]TS, FOR 6' FRESH SLICED MULTI DE[illegible]ASE (REMOTE
DMDLR8HC	120V, 32W, FOR FANS, 41W FOR [illegible], FOR 8' FRESH SLICED MULTI DECK [illegible] (REMOTE)
DMSC4SS	
DMSC6SS	
DR102BC	
E6	960W FOR MF[illegible]ER COPIER SCAN[illegible] COORDINATE RCPT HGT WITH COU[illegible]
E12C	960W FOR LASER PRI[illegible] GENERAL USE)
E22TV-47	300W FOR LCD WIDESC[illegible]47")
E38AS	120V 500W DEDICATED C[illegible] FOR POS EQUIP[illegible]OR SCO ATTEND[illegible] STATION
E38PS	[illegible] 1PH
E38TP	[illegible]MAL PRINTER
E38TS	18W FOR [illegible]REEN POS [illegible]EM MOUNT)
E47	120V, 100W F[illegible]E PRINTER
[illegible]	56W FOR THIN[illegible] MONITOR
F5DN[illegible]	75W FOR FANS, [illegible]OR LIGHTS [illegible] DECK NARROW FLORAL CASE
G85BS[illegible]	348W FOR CHECK[illegible] REFRIGERA[illegible]RCHANDISER
G101	1500W FOR NCIM S[illegible]ING AREA. P[illegible]VIDE OUTLET ON SEPARATE CIRCUIT AT BASE OF ADJACENT CASE, FIXTURE, OR COLUMN.
GE1	115V/60HZ 80W 7'-6[illegible]FL FOR RECEPTICAL. MOUNT SWITCH 5'-6" AB FL. MOUNT BOTTOM OF FLYZAPPER 4'-0" AFF.
GE1H	115V 30W, 1PH, FO[illegible]EP AREA FLY ZAPPER. (MOUNT @ 6'-0" AFF TO BOTTOM)
GE2	115V 15A CKT FO[illegible]TTERY MACHINE
GE7	[illegible]80W 1'-6" AB FL[illegible]R DESK
GE38	[illegible]V 500W FO[illegible]EGISTER (DEDICATED CKT)
GE38S	[illegible](DEDI[illegible]TED CKT) FOR POS TERMINAL. WIRED TO KROGER SUB PANEL (NOT STARBUCKS PANEL)
GE41	[illegible]GER A&E STANDARDS FOR WHERE PLUGMOLD IS REQUIRED
GE67	[illegible] 175W 4'-0" ABOVE FLOOR FOR MONEY ORDER MACHINE
GE102C	120V, 12W, FOR CHECK SCANNER, 120V, 82W, FOR MONITOR AND TINY PC, 120V, 168W, FOR PRINTER
GE107	48W 4'-0" AB FL FOR BIOMETRIC READER FOR T&A (REQ'D. LOCKED ON DEVICE @ PANEL)
GE121	120V 5.5A DEDICATED CKT PLUS A PHONE MODEM FOR WESTERN UNION TERM.
GE1[illegible]	"1600W 1'-6" AB FL FOR VENDING MACHINE (REQ'D. LOCKED ON DEVICE @ PANEL)
[illegible]156	120V 250W ELEC FED FROM RACEWAY FOR EFT PIN PAD & CREDIT CARD READER
GE186	120V 1PH 14AMPS FOR MICROWAVE MOUNT RCPT 4'-0" AB. FL.
GE216B	120V 800W 2'-0" AB FL FOR REFRIG (REQ'D. LOCKED ON DEVICE @ PANEL)
GGDILT6HI	ELECTRICAL DATA IS PER SIDE - TWO CIRCUITS REQUIRED PER CASE; 75W FOR FANS, 279W FOR A.S. HEATERS, 40W FOR LIGHTS, 1400W (208V 1PH) FOR ELETRIC DEF (TO PANEL FOR DEF WIRING) ON 6' GLASS DOOR GROCERY CASE
GGDILT8HI	ELECTRICAL DATA IS PER SIDE - TWO CIRCUITS REQUIRED PER CASE; 150W FOR FANS, 419W FOR A.S. HEATERS, 60W FOR LIGHTS, 2100W (208V 1PH) FOR ELETRIC DEF (TO PANEL FOR DEF WIRING) ON 8' GLASS DOOR GROCERY CASE
GGDILT12HI	ELECTRICAL DATA IS PER SIDE - TWO CIRCUITS REQUIRED PER CASE; 300W FOR FANS, 699W FOR A.S. HEATERS, 100W FOR LIGHTS, 3500W (208V 1PH) FOR ELETRIC DEF (TO PANEL FOR DEF WIRING) ON 12' GLASS DOOR GROCERY CASE
GGDITT8HI	ELECTRICAL DATA IS PER SIDE - TWO CIRCUITS REQUIRED PER CASE; 195W FOR FANS, 273W FOR A.S. HEATERS, 65W FOR LIGHTS, 2100W (208V 1PH) FOR ELETRIC DEF (TO PANEL FOR DEF WIRING) ON 8' GLASS DOOR GROCERY CASE
GGDITT12HI	ELECTRICAL DATA IS PER SIDE - TWO CIRCUITS REQUIRED PER CASE; 326W FOR FANS, 455W FOR A.S. HEATERS, 108W FOR LIGHTS, 3500W (208V 1PH) FOR ELETRIC DEF (TO PANEL FOR DEF WIRING) ON 12' GLASS DOOR GROCERY CASE
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
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 LOW-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
GGDNLT8HI	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 LOW-TEMP GROCERY CASE
GGDNLT12HI	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 LOW-TEMP GROCERY CASE
GM17S-4	120V, 411.5W, FOR 4 FT KPNR LIGHTED SHELVING SECTION
GMSC4K	
M5DFR8HX	100W FOR FANS, 354W FOR LIGHTS ON 8' FIVE DK FRESH MEAT CASE. MOUNT J.B. 1'-6" AB FL
M5DFRNG8HX	100W FOR FANS, 354W FOR LIGHTS ON 8' FIVE DK FRESH MEAT CASE. MOUNT J.B. 1'-6" AB FL
M5DFRNG12HX	150W FOR FANS, 510W FOR LIGHTS ON 12' FIVE DK FRESH MEAT CASE. MOUNT J.B. 1'-6" AB FL
M10	208V 3PH 2HP 5.9AMPS (30AMPS OCP) FOR MEAT SAW (SEE ESD-16)
M11T	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO), MOUNT RCPT 4'-0" AB FL. PROVIDE A 3/4" CONDUIT TO ECR ROOM
M32	120V 1PH 6.6AMP 3'-5" AB FL FOR MANUAL CARRIAGE MEAT SLICER
MAPPM	120V, 60W, 1PH, FOR LG MONITOR.
MGD12HE	120V, 132W FOR FANS, 95W FOR LIGHTS ON 12FT GLASS DOOR MEAT CASE. MOUNT J.B. 1'-6" AB FL
MS12HC-2	120V, 4.7W FOR AIRSWEEP FANS, 93W FOR LED LIGHTS, 1800W FOR CONVENIENCE OUTLET, FOR 12' SERVICE MEAT CASE
N16P	120V 20A DEDICATED CIRCUIT FOR PEANUT BUTTER GRINDER
P21E	2000W (NON-CONTINUOUS) 20A DEDICATED CIRCUIT FOR ENERGY EFFICIENT 3-ROLL WRAPPER (NO WINGS). MOUNT RCPT. 2'-0" AB. FL.
P31T	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO), MOUNT RCPT 4'-0" AB FL. PROVIDE A 3/4" CONDUIT TO ECR ROOM
S24T	120V 1PH .75AMPS FOR SERVICE SCALE/UPC PRINTER (TOLEDO). PROVIDE A 3/4" CONDUIT TO ECR ROOM
SS12HC-DSFM	100W FOR FANS, 354W FOR LIGHTS ON 6' FIVE-DECK FRESH SEAFOOD CASE (NO GLASS). MOUNT J.B. 1'-6" AB FL
SS12HE	
SWIHL12H	120V, .49AMP 1PH FOR 12' WIDE ISLAND SEAFOOD HALF LIDS WITH LED LIGHTS
T3D	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
T6S	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.)
T8D	PROVIDE POWER FOR TABLE TOP EQUIPMENT AS SHOWN ON LEGEND & 800W. CONVENIENCE OUTLETS, 4'-0" AB.FL. AS REQUIRED BY CODE
T8SC	115V 10AMP FOR 8' SELF-CONTAINED TABLE W/REFRIG. BASE
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

OWNERSHIP OF INSTRUMENTS OF SERVICE
All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Consultant as instruments of service shall remain the property of the Consultant. The Consultant shall retain all common law, statutory and other reserved rights, including, without limitation, the copyright thereto.

Order Plans @ WWW.LDILine.com

2" REFERENCE LINE

JAD JAT

STUDIO A architecture
1371 BARDSTOWN ROAD
LOUISVILLE, KENTUCKY 40204
T:502.[illegible] F:502.589.800[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 COMPANY

1600 Ormsby Station Court
Louisville, Kentucky 40223

ELECTRICAL EQUIPMENT SCHEDULES

No.	Description	Date

BID ISSUE

© 2015 STUDIO A ARCHITECTURE
MATERIAL INCLUDED HEREIN IS COVERED BY COPYRIGHT. USE OF THIS WORK IN WHOLE OR IN PART IS FORBIDDEN WITHOUT THE EXPRESSED WRITTEN CONSENT OF STUDIO A ARCHITECTURE.

E6.1

Project number 20168
Date 08/17/2018