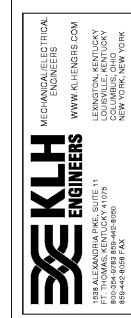




CONSULTANTS



KROGER L758

234 EASTBROOKE PKWY, 1ST WASHINGTON, KY

CLIENT



KROGER COMPANY

1600 Ombay Station Court Louisville, Kentucky 40223

SINGLE LINE ELECTRICAL DIAGRAM

No.	Description	Date

BD ISSUE

E6.2

Project number 20166 Date 06/17/2016

Relay	Relay Circuit	Over Phase	Over Voltage	Relay/Protective Case	Phase			Total	Total	Total	Phase Load (kVA)			Phase Load (kVA)	Breaker	% Unbalance	Breaker
					A	B	C				A	B	C				

Panel Name	Panel Bus/Fuse Rating	Panel Voltage (V)	Existing Load (kVA)	Removed Load (kVA)	Added Load (kVA)	Final Load (kVA)	Final Load (Amps)	Existing Peak Demand (kVA)	Total Removed Load (kVA)	Total Added Load (kVA)	Completed Store Load (kVA)	Completed Store Load (Amps)
LCE	100/100	208	25.9	25.9	9.4	12.9	52.7	645.06	544.28	533.73		
LCA	200/200	208	23.5	17.4	1.5	12.6	54.9					
LA	100/100	208	17.2	9.4	3.1	11.0	50.5					
HEM	100/100	480	14.9	0.0	0.0	14.9	17.9					
HE	100/100	480	15.0	0.0	8.7	23.7	25.6					
HC	100/100	480	53.1	0.0	0.0	53.1	63.9					
HB	200/200	480	33.1	0.0	0.0	33.1	39.8					
HA	200/200	480	50.8	0.0	0.0	50.8	71.1					
LK	225/225	208	54.9	18.6	6.0	42.3	112.3					
LHA	125/125	208	10.3	2.1	0.0	9.2	22.7					
LH	125/125	208	41.3	8.1	1.1	36.3	100.9					
LF	200/200	208	19.3	0.0	0.0	19.3	45.2					
LE	225/225	208	51.3	6.4	0.0	54.9	152.4					
LD	200/200	208	27.1	3.0	2.2	26.3	73.0					
LJ	400/400	208	0.0	0.0	52.7	92.7	257.3					
LN	225/225	208	54.9	7.2	2.0	67.3	182.9					
LM	225/225	208	54.9	13.1	0.0	41.7	115.7					
LH2	150/150	208	3.0	0.0	7.6	7.6	21.1					
MSB	2500/2500	480	648.0	144.3	134.4	638.1	767.5					
Total Removed Load (kVA)			144.3									
Total Added Load (kVA)				134.4								

NOTES: ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. MORE CONDUITS MAY BE REQUIRED TO ACCOMMODATE CONDUIT OR PULLING TUBES, ETC.

CONDUIT TYPE SHALL BE: 1- PVC (RIGID) 2- PVC (FLEXIBLE) 3- FIBERGLASS 4- RIGID POLYURETHANE

WIRING TYPE SHALL BE: 1- THHN (NORMAL) 2- THWN (EMERGENCY) 3- STANDBY 4- L (LIFE SAFETY)

FEEDER SIZES SHALL BE: 1- INDICATES FEEDER SIZES TO COMPENSATE FOR VOLTAGE DROP 2- INDICATES FEEDER SIZES TO COMPENSATE FOR VOLTAGE DROP 3- INDICATES FEEDER SIZES TO COMPENSATE FOR VOLTAGE DROP

EQUIPMENT GROUNDING CONDUCTOR: 1- EQUIPMENT GROUNDING CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY 2- EQUIPMENT GROUNDING CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY 3- EQUIPMENT GROUNDING CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY

EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED

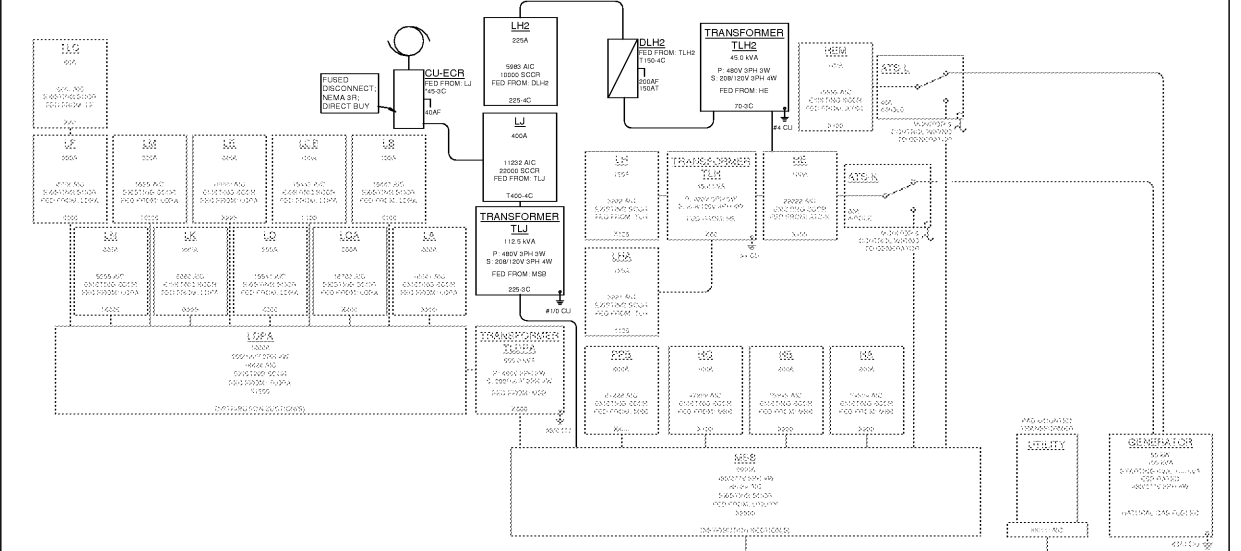
UPSIDED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY

CONDUCTOR AMPACITY: 1- CONDUCTOR AMPACITY 2- CONDUCTOR AMPACITY 3- CONDUCTOR AMPACITY

CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM

ISOLATED GROUNDING: 1- ISOLATED GROUND PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTORS FROM INSULATED ISOLATED GROUND BARS TO RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.

EQUIPMENT	DESCRIPTION	EQUIPMENT TYPE	MAINS RATING (A)	FEEDER RATING (A)	FEEDER TYPE	SPACE NAME	VOLTAGE	POLES	WIRES	MAINS TYPE	FEEDER ID	FEEDER	VD %	LUYS TYPE	SFD	ENCLOSURE TYPE	20% NEUTRAL K-RATING	FAULT CURRENT (KA)	SHORT CIRCUIT RATING (KA)	NOTES
GENERATOR																				



SCHEMATIC POWER DISTRIBUTION SINGLE-LINE DIAGRAM NOT TO SCALE

8" REFERENCE LINE

JAD JAT

ORDER PLANS @

OWNERSHIP OF INSTRUMENTS...