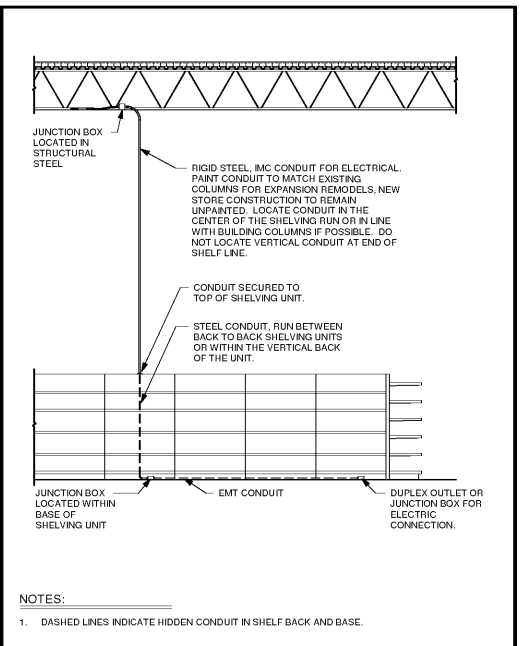


CASE CONDUIT AND WIRING DETAIL

DATE: 08-03-07
SCALE: NONE
DETAIL 'F'



SHELVING ELECTRIC FROM OVERHEAD

DATE: 11-10-16
DRAWN: ZAW
EISD-2

EXISTING LOADS WERE TAKEN FROM PANEL SCHEDULES OBTAINED IN FIELD

Panel Name	Panel Bus/Fuse Rating	Panel Voltage (V)	Existing Load (kVA)	Removed Load (kVA)	Added Load (kVA)	Final Load (kVA)	Final Load (Amps)	Final NEC Load (Amps X 1.25)	Existing Peak Demand (kva)	Total Removed Load (kVA)	NEC Multiplier	Total Added Load (kVA)	Completed Store Load (kVA)	Completed Store Load (Amps)
LN	400/400	208	101.3	0.0	2.2	103.5	287.3	359.1	583.00	0.00	1.25	2.20	7.25	67.9
Total Removed Load (kVA)										0.0				
Total Added Load (kVA)												2.2		

THE COMPLETED STORE LOAD (1.25 X 7.25 = 9.06) IS LESS THAN THE MAXIMUM OUTPUT OF THE EXISTING TRANSFORMER (1200 KVA). EXISTING TRANSFORMER WILL REMAIN.

THE COMPLETED STORE LOAD (67.9 A) IS LESS THAN THE MAXIMUM OUTPUT OF THE EXISTING TRANSFORMER (3000A). EXISTING TRANSFORMER WILL REMAIN.

THE COMPLETED STORE LOAD (287.3 A) IS LESS THAN THE MAIN OVERCURRENT PROTECTION OF THE EXISTING MSB (3000A). EXISTING MSB WILL REMAIN.

ELECTRIC SINGLE LINE EQUIPMENT SCHEDULE

EQUIPMENT	PHASE	POWER BRANCH	EQUIPMENT TYPE	SUPPLY FROM	SPACE NUMBER	SPACE NAME	VOLTAGE	POLES	WIRES	DEMAND (kVA)	DEMAND (A)	MAINS RATING (A)	MAINS FRAME RATING (A)	MAINS TYPE	FEEDER ID	FEEDER	VD %	LUGS TYPE	SPD	ULSE	GEC	ENCLOSURE TYPE	200% NEUTRAL	K-RATING	FAULT CURRENT (A)	SHORT CIRCUIT RATING (A)	NOTES
UTILITY	Existing	NO RAIL	115 kVA Transformer	UTILITY			480	3	4	2.2 kVA	10	3000	3000	THERMAL MAGNETIC	X3000	EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE	0					NEMA 1	200%	1800	1800	EXISTING	
MSB	Existing	NO RAIL	Switchboard	UTILITY			480	3	3	2.2 kVA	10	175	175	THERMAL MAGNETIC	X175	EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE	0.087					NEMA 1	200%	1080	1080	EXISTING	
LN1	Existing	NO RAIL	Branch Panelboard	LN			208	3	4	2.2 kVA	10	400	400	THERMAL MAGNETIC	X400	EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE	0.042					NEMA 1	200%	1080	1080	EXISTING	
LN2	Existing	NO RAIL	Branch Panelboard	LN			208	3	4	2.2 kVA	10	400	400	MAIN LUGS ONLY	X400	EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE	0.042					NEMA 1	200%	980	980	EXISTING	
LN3	Existing	NO RAIL	Branch Panelboard	LN2			208	3	4	2.2 kVA	10	400	400	MAIN LUGS ONLY	X400	EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE	0.042					NEMA 1	200%	988	988	EXISTING	NEW LOADS ARE ONLY SHOWN IN THIS PANEL SCHEDULE.

Electric Fixture Schedule

Fixture ID	Type Comments
DA5D8HX	50W FOR FANS, 177W FOR LIGHTS ON 8' V.S. BEV. CASE. MOUNT J.B. 1'-6" AB FL
DA5D12HX	75W FOR FANS, 255W FOR LIGHTS ON 12' V.S. BEV. CASE. MOUNT J.B. 1'-6" AB FL
GSDNSC4M-208	208-230V, 10.5 AMP, 1PH FOR 4' FIVE DECK NARROW SELF-CONTAINED GROCERY MERCH. COMES WITH 9' CORD WITH NEMA L6-20 208-230 PLUG.
GGDLT6HI	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 ELECTRIC DEF (TO PANEL FOR DEF WIRING) ON 6' GLASS DOOR GROCERY CASE
GGDIT12HI	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 ELECTRIC DEF (TO PANEL FOR DEF WIRING) ON 12' GLASS DOOR GROCERY CASE
GGDNIC6PH	130W FOR FANS, 182W FOR A.S. HTS., 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. HTS., 65W FOR LIGHTS, 2100W (208V 1PH) FOR ELECTRIC DEF (TO PANEL FOR DEF WIRING) ON 8' NARROW GLASS DOOR ICE CREAM TEMP GROCERY CASE

PANEL SCHEDULE LEGEND

(X) = EXISTING CIRCUIT TO REMAIN
(N) = NEW CIRCUIT TO BE INSTALLED
(F) = PROVIDE OVERCURRENT PROTECTIVE DEVICE (OCPD) CIRCUIT BREAKER OR FUSED SWITCH WITH FUSE, AS APPLICABLE, IN CASES WHERE NEW CIRCUITS OR FEEDERS ARE SHOWN CONNECTED TO EXISTING POWER DISTRIBUTION EQUIPMENT. PROVIDE OCPD MANUFACTURED BY THE SAME MANUFACTURER AS THE EXISTING EQUIPMENT IN WHICH IT WILL BE INSTALLED. PROVIDE A.I.C. RATINGS THAT MEET OR EXCEED THE RATINGS OF THE EXISTING EQUIPMENT AND OCPD'S.

PANEL SCHEDULE GENERAL NOTES

A. PROVIDE HACR RATED BREAKERS ON ALL MOTOR LOADS.
B. PROVIDE LOCKING TYPE BREAKER FOR ALL LIFE SAFETY AND NIGHT LIGHTING BRANCH CIRCUITS.
UNLESS INDICATED OTHERWISE ON PLANS OR SCHEDULES, PROVIDE NEW BRANCH OVERCURRENT PROTECTIVE DEVICE (OCPD) BREAKER OR FUSED SWITCH WITH FUSE, AS APPLICABLE, IN CASES WHERE NEW CIRCUITS OR FEEDERS ARE SHOWN CONNECTED TO EXISTING POWER DISTRIBUTION EQUIPMENT. PROVIDE OCPD MANUFACTURED BY THE SAME MANUFACTURER AS THE EXISTING EQUIPMENT IN WHICH IT WILL BE INSTALLED. PROVIDE A.I.C. RATINGS THAT MEET OR EXCEED THE RATINGS OF THE EXISTING EQUIPMENT AND OCPD'S.

PANEL NAME: LN1

SUPPLY FROM: LN2
LOCATION: FLOOR COOLING DISTRIBUTION SYSTEM, 208/120V 3PH-4W
FEEDER: EXISTING FEEDER, RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE

NO.	CIRCUIT DESCRIPTION	NO.	CIRCUIT DESCRIPTION
1	20A 1P 100% DEF	1	20A 1P 100% DEF
2	20A 1P 100% DEF	2	20A 1P 100% DEF
3	20A 1P 100% DEF	3	20A 1P 100% DEF
4	20A 1P 100% DEF	4	20A 1P 100% DEF
5	20A 1P 100% DEF	5	20A 1P 100% DEF
6	20A 1P 100% DEF	6	20A 1P 100% DEF
7	20A 1P 100% DEF	7	20A 1P 100% DEF
8	20A 1P 100% DEF	8	20A 1P 100% DEF
9	20A 1P 100% DEF	9	20A 1P 100% DEF
10	20A 1P 100% DEF	10	20A 1P 100% DEF
11	20A 1P 100% DEF	11	20A 1P 100% DEF
12	20A 1P 100% DEF	12	20A 1P 100% DEF
13	20A 1P 100% DEF	13	20A 1P 100% DEF
14	20A 1P 100% DEF	14	20A 1P 100% DEF
15	20A 1P 100% DEF	15	20A 1P 100% DEF
16	20A 1P 100% DEF	16	20A 1P 100% DEF
17	20A 1P 100% DEF	17	20A 1P 100% DEF
18	20A 1P 100% DEF	18	20A 1P 100% DEF
19	20A 1P 100% DEF	19	20A 1P 100% DEF
20	20A 1P 100% DEF	20	20A 1P 100% DEF
21	20A 1P 100% DEF	21	20A 1P 100% DEF
22	20A 1P 100% DEF	22	20A 1P 100% DEF
23	20A 1P 100% DEF	23	20A 1P 100% DEF
24	20A 1P 100% DEF	24	20A 1P 100% DEF
25	20A 1P 100% DEF	25	20A 1P 100% DEF
26	20A 1P 100% DEF	26	20A 1P 100% DEF
27	20A 1P 100% DEF	27	20A 1P 100% DEF
28	20A 1P 100% DEF	28	20A 1P 100% DEF
29	20A 1P 100% DEF	29	20A 1P 100% DEF
30	20A 1P 100% DEF	30	20A 1P 100% DEF
31	20A 1P 100% DEF	31	20A 1P 100% DEF
32	20A 1P 100% DEF	32	20A 1P 100% DEF
33	20A 1P 100% DEF	33	20A 1P 100% DEF
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35	20A 1P 100% DEF	35	20A 1P 100% DEF
36	20A 1P 100% DEF	36	20A 1P 100% DEF
37	20A 1P 100% DEF	37	20A 1P 100% DEF
38	20A 1P 100% DEF	38	20A 1P 100% DEF
39	20A 1P 100% DEF	39	20A 1P 100% DEF
40	20A 1P 100% DEF	40	20A 1P 100% DEF
41	20A 1P 100% DEF	41	20A 1P 100% DEF
42	20A 1P 100% DEF	42	20A 1P 100% DEF

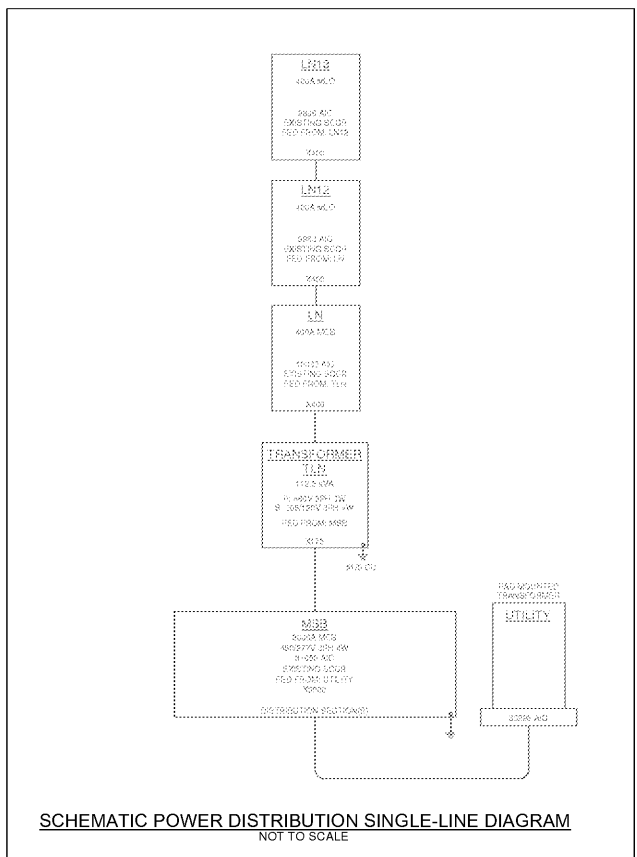
LOAD CLASSIFICATION

CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
2184 VA	100.00%	2184 VA

PANEL TOTALS

TOTAL CONNECTED LOAD: 22 kVA
DEMAND CALCULATION NOTES:
TOTAL DEMAND: 22 kVA
TOTAL DEMAND AMPS: 6 A

NOTES: NEW LOADS ARE ONLY SHOWN IN THIS PANEL SCHEDULE



Order Plans @ KWL

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KROGER GA-388
564 CROSSTOWN DRIVE PEACHTREE CITY, GA

A REMODEL OR NEW CONSTRUCTION FOR:

PROJECT: KROGER REGION
DATE: 12-21-2018
CONSTRUCTION SET

SINGLE LINE ELECTRICAL DIAGRAM

SHEET TITLE

REVISIONS

NO. DATE DESCRIPTION

PROJECT NO: 20995
CAD DWG FILE:
DRAWN BY: JAD
CHK'D BY: JAT

E6.2

SHEET NO