

Order Plans

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VA	SERVICE	WIRE	MOPD	TYPE	CIR.	K	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
-	EXISTING SHUNT TRIP	-	-	EXIST	1	2	EXIST	-	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	80/3	EXIST	3	4	EXIST	100/3	-	-	EXISTING CIRCUIT	-
-	SHUNT TRIP	-	-	NEW	9	10	NEW	-	-	-	DOOD FRYER (NEW BRKR-NOTES 1,2)	-
-	DOOD FRYER (NEW BRKR-NOTES 1,2)	4	60/3	NEW	11	12	NEW	60/3	4	-	SHUNT TRIP	-
-	SHUNT TRIP	-	-	NEW	13	14	NEW	-	-	-	EXISTING CIRCUIT	-
-	D1500-208 COMB OVEN (NEW BRKR-NOTES 1,2)	6	50/3	NEW	15	16	NEW	-	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	-	NEW	17	18	NEW	-	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	-	EXIST	19	20	EXIST	40/3	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	21	22	EXIST	-	-	-	EXISTING SHUNT TRIP	-
-	EXISTING CIRCUIT	-	20/1	EXIST	23	24	EXIST	-	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	25	26	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	27	28	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	40/3	EXIST	29	30	EXIST	40/3	-	-	EXISTING CIRCUIT	-
-	EXISTING SHUNT TRIP	-	-	EXIST	31	32	EXIST	40/3	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	40/3	EXIST	33	34	EXIST	40/3	-	-	EXISTING CIRCUIT	-
-	EXISTING SHUNT TRIP	-	-	EXIST	35	36	EXIST	40/3	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	40/3	EXIST	37	38	EXIST	40/3	-	-	EXISTING SHUNT TRIP	-
-	SPACE ONLY	-	-	-	39	40	-	-	-	-	SPACE ONLY	-
-	SPACE ONLY	-	-	-	41	42	-	-	-	-	SPACE ONLY	-
-	SPACE ONLY	-	-	-	41	42	-	-	-	-	SPACE ONLY	-

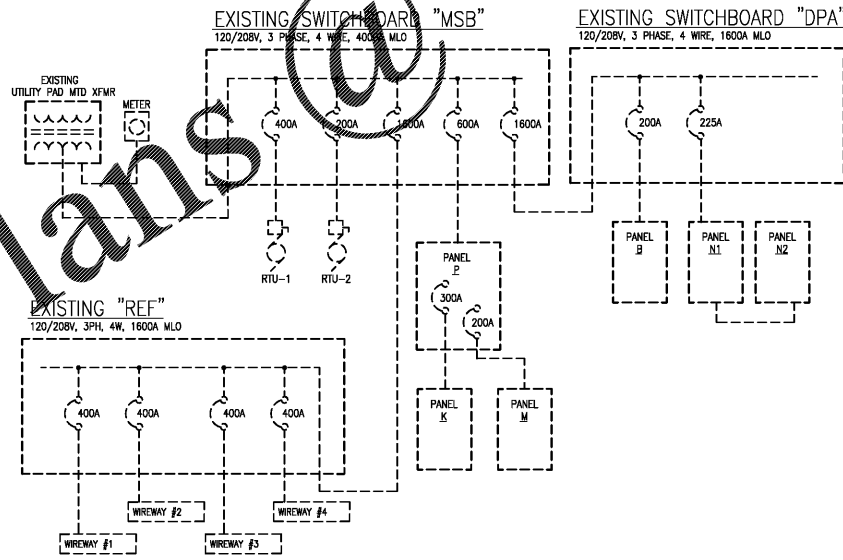
LOCATION : DELL/BAKERY PREP
 PANEL MOUNTING : RECESSED
 SERVICE : 120/208V, 3PH, 4W
 MAINS : 400 AMP MLO
 FED FROM PANEL P (300A)

NOTES:
 1. REMOVE EXISTING BREAKER MADE SPARE BY DEMOLITION, PROVIDE AND INSTALL NEW AS INDICATED, TYPE AND AC RATING TO MATCH EXISTING.
 2. SHUNT TRIP TYPE BREAKER TIED TO HOOD FIRE SYSTEM FOR AUTOMATIC EQUIPMENT SHUT DOWN UPON SYSTEM ACTIVATION.

EXISTING PANEL
 (NEW LOADS OFFSET BY REMOVAL OF EXISTING)

LOAD BREAKDOWN	
SERVICE : 120/208V-3PH-4W	
CONNECTED LOAD	CONNECTED KVA
EXISTING DEMAND LOAD: 658.8 KWO (1.25)	925.8
ADDED RECEPTACLES	0.7
ADDED REFRIGERATION EQUIP.	12.4
ADDED MSC. EQUIP.	1.8
TOTALS:	940.7 KVA
-	2,613 AMPS

EXISTING DEMAND LOAD = 299.5 KVA
 NET LOAD ADDITION = 14.9 KVA
 TOTAL = 314.4 KVA (873 AMPS)



1 PARTIAL SINGLE LINE ELECTRICAL DIAGRAM
 E6.2 SCALE: N.T.S.

- SINGLE LINE GENERAL NOTES:
1. ALL WIRE SHALL BE THIN/SHN COPPER, UNLESS INDICATED OTHERWISE.
 2. "DASHED LINE" ITEMS ARE EXISTING.
 3. SEE PANEL SCHEDULES FOR WIRE SIZES NOT INDICATED HERE.
 4. ITEMS SHOWN WITH "X" ARE TO BE REMOVED.

NOTE: WIRE SIZE BASED ON ESTIMATED LENGTHS, E.C. TO ADJUST AS NECESSARY TO LIMIT VOLTAGE DROP TO 3% OR LESS.

NOTE: EXISTING PANEL INFORMATION OBTAINED FROM AS-BUILT DRAWINGS. FIELD VERIFY EXISTING CONDITIONS AND AVAILABILITY OF ANY NEW BREAKERS PRIOR TO SUBMITTING BID. VERIFY LOADS ON EXISTING PANELS AND AFFECTED CIRCUITS. DO NOT OVERLOAD PANELS.

NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE, INSTALL AND UTILIZE TEMPORARY ELECTRICAL PANEL COVERS SIMILAR TO GRACE PRODUCTS, MITCHELL, SP PRODUCTS, OR EQUALS WHENEVER PERMANENT COVERS HAVE BEEN REMOVED FOR NEW WORK OR SERVICING. PANEL COVERS, WHETHER PERMANENT OR TEMPORARY SHALL BE IN PLACE AT ALL TIMES ON ENERGIZED PANELS.

NOTE: E.C. TO COPY AND/OR PHOTOGRAPH ALL EXISTING PANEL DIRECTORIES PRIOR TO COMMENCING WORK AND RETAIN FOR USE IN CREATING NEW DIRECTORIES FOR ALL PANELS UPON COMPLETION OF THE PROJECT. NEW PANEL DIRECTORIES TO BE TYPE WRITTEN AND SHALL INDICATE AS CLEARLY AS POSSIBLE LOADS SERVED. NEW DIRECTORIES WILL BE REQUIRED FOR ALL PANELS, NEW AND EXISTING. DO NOT USE PANEL SCHEDULES FROM THESE DRAWINGS AS SUBSTITUTES FOR DIRECTORIES.

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	B	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
-	EXISTING CIRCUIT	-	20/1	EXIST	1	2	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	3	4	EXIST	20/1	-	-	SPACE ONLY	-
-	EXISTING CIRCUIT	-	20/1	EXIST	5	6	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	7	8	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	9	10	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	11	12	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	13	14	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	15	16	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	17	18	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	30/1	EXIST	19	20	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	30/1	EXIST	21	22	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	23	24	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	25	26	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	27	28	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	29	30	EXIST	20/1	-	-	SPACE	-
-	EXISTING CIRCUIT	-	20/1	EXIST	31	32	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	33	34	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	35	36	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	37	38	EXIST	20/1	10	-	PRODUCE RECEIPTS LIGHTING	560
-	EXISTING CIRCUIT	-	20/1	EXIST	39	40	EXIST	20/1	10	-	DOOD FRYER LIGHTING	630
-	EXISTING CIRCUIT	-	20/1	EXIST	41	42	EXIST	20/1	10	-	DOOD FRYER LIGHTING	630

LOCATION : BACK ROOM
 PANEL MOUNTING : SURFACE
 SERVICE : 120/208V, 3PH, 4W
 MAINS : 225 AMP MLO
 FED FROM PANEL MDP (200A) THRU CONTACTOR

EXISTING CONNECTED LOAD = 45,852 VA
 NET LOAD ADDITION = 1,820 VA
 TOTAL = 47,672 VA (132 AMPS)

CONTACTOR CONTROLLED

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	M	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
-	EXISTING CIRCUIT	-	20/1	EXIST	1	2	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	3	4	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	5	6	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	7	8	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	9	10	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	11	12	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	13	14	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/2	EXIST	15	16	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	17	18	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	19	20	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	21	22	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	23	24	EXIST	20/2	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	25	26	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	27	28	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/3	EXIST	29	30	EXIST	20/1	-	-	SPACE	-
-	EXISTING CIRCUIT	-	20/1	EXIST	31	32	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	33	34	EXIST	30/3	-	-	EXISTING CIRCUIT	-
-	SHUNT TRIP	-	-	NEW	35	36	EXIST	30/3	-	-	EXISTING CIRCUIT	-
-	D1500-208 COMB OVEN (NEW BRKR-NOTES 1,2)	6	50/3	NEW	37	38	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	-	NEW	39	40	EXIST	60/2	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	-	NEW	41	42	EXIST	-	-	-	EXISTING CIRCUIT	-

LOCATION : DELL/BAKERY PREP
 PANEL MOUNTING : RECESSED
 SERVICE : 120/208V, 3PH, 4W
 MAINS : 225 AMP MLO
 FED FROM PANEL P (200A)

EXISTING PANEL
 (NEW LOADS OFFSET BY REMOVAL OF EXISTING)

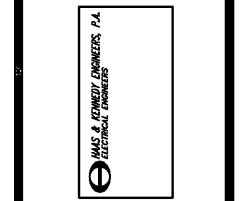
VA	SERVICE	WIRE	MOPD	TYPE	CIR.	N2	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
-	EXISTING CIRCUIT	-	20/1	EXIST	43	44	EXIST	30/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	45	46	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	47	48	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	49	50	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	51	52	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	53	54	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	55	56	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	57	58	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	59	60	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	61	62	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	63	64	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	65	66	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	30/2	EXIST	67	68	EXIST	25/2	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	30/2	EXIST	69	70	EXIST	20/1	-	-	EXISTING CIRCUIT	-
2060	PMS08-3 CM S/C PRODUCE CASE (NEW BRKR-NOTE 1)	10	30/2	NEW	71	72	EXIST	20/1	-	-	EXISTING CIRCUIT	-
2060	EXISTING CIRCUIT	-	20/1	EXIST	73	74	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	EXISTING CIRCUIT	-	20/1	EXIST	75	76	NEW	20/1	8	-	PRODUCE RECEIPTS. (NEW BRKR-NOTE 1)	720
-	EXISTING CIRCUIT	-	20/1	EXIST	77	78	EXIST	20/1	-	-	EXISTING CIRCUIT	-
-	SPACE ONLY	-	-	-	79	80	-	-	-	-	SPACE ONLY	-
2060	PMS08-3 CM S/C PRODUCE CASE (NEW BRKR-NOTE 1)	10	30/2	NEW	81	82	NEW	30/2	10	-	PMS08-3 CM S/C PRODUCE CASE (NEW BRKR-NOTE 1)	2060
2060	EXISTING CIRCUIT	-	-	-	83	84	NEW	-	-	-	EXISTING CIRCUIT	-

LOCATION : OFFICE MEZZANINE
 PANEL MOUNTING : RECESSED
 SERVICE : 120/208V, 3PH, 4W
 MAINS : 225 AMP MLO
 TYPE: EXISTING
 FED FROM PANEL "N1" (FEED-THRU)

EXISTING DEMAND LOAD = 39,675 VA
 NET LOAD ADDITION = 13,080 VA
 TOTAL = 52,755 VA (147 AMPS)

SECTION 2 OF 2
 EXISTING PANEL

CAPSTONE
 Project Services, LLC
 2211 WIDMAN WAY, SUITE 220
 FORT MYERS, FL. 33901



A REMODEL FOR:
KROGER GA-429
 730 NORTH MAIN STREET
 CEDARTOWN, GA

PROJECT
 8-12-2019
 DATE: CONSTRUCTION SET

SINGLE LINE AND PANEL SCHEDULES

MARK	DATE	DESCRIPTION

PROJECT NO: 18317
 CIO DWG FILE: GA-429 E6.2
 DRAWN BY: WSM
 CH'D BY: HCK
E6.2.1
 SHEET NO.