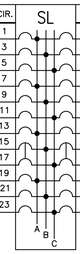
SL

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
–	EXISTING CIRCUIT	–	20/1	EXIST	1	2	EXIST	20/1	–	EXISTING CIRCUIT	–
–	SPARE	–	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	–	SPARE	–
–	SPARE	–	20/1	EXIST	11	12	EXIST	20/1	–	EXISTING CIRCUIT	–
–	SPACE ONLY	–	–	–	13	14	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/2	EXIST	15	16	EXIST	20/2	–	EXISTING CIRCUIT	–
–				EXIST	17	18	EXIST				–
–	SPACE ONLY	–	–	–	19	20	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	21	22	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	23	24	–	–	–	SPACE ONLY	–



LOCATION : OFFICE MEZZANINE

PANEL MOUNTING : RECESSED

SERVICE : 120/208V, 3PH, 4W

MAINS : 100 AMP MLO

FED FROM PANEL "MDP" (100A) THRU CONTACTOR

CONTACTOR CONTROLLED

EXISTING PANEL

(NO CHANGE TO EXISTING LOADS)

SL2

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
–	EXISTING CIRCUIT	–	30/2	EXIST	1	2	EXIST	30/2	–	EXISTING CIRCUIT	–
–				EXIST	3	4	EXIST				–
–	EXISTING CIRCUIT	–	30/2	EXIST	5	6	EXIST	30/2	–	EXISTING CIRCUIT	–
–				EXIST	7	8	EXIST				–
–	EXISTING CIRCUIT	–	30/2	EXIST	9	10	EXIST	30/2	–	EXISTING CIRCUIT	–
–				EXIST	11	12	EXIST				–
–	EXISTING CIRCUIT	–	40/2	EXIST	13	14	EXIST	30/2	–	EXISTING CIRCUIT	–
–				EXIST	15	16	EXIST				–
–	EXISTING CIRCUIT	–	30/2	EXIST	17	18	EXIST	20/1	–	EXISTING CIRCUIT	–
–				EXIST	19	20	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	21	22	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	23	24	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	25	26	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	27	28	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	29	30	–	–	–	SPACE ONLY	–

LOCATION : OFFICE MEZZANINE

PANEL MOUNTING : SURFACE

SERVICE : 120/208V, 3PH, 4W

MAINS : 100 AMP MLO

FED FROM PANEL "MDP" (225A) THROUGH CONTACTOR

CONTACTOR CONTROLLED

EXISTING PANEL

(NO CHANGE TO EXISTING LOADS)

BK

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	CIR.	TYPE	MOPD	WIRE	SERVICE	VA
511	C/S & ACCT. LIGHTING	12	20/1	10K	1	2	10K	20/1	12	MEAL KIT RECEPT.	540
720	ACCOUNTING PLUGMOLD	12	20/1	10K	3	4	10K	20/1	10	P.V.M. / MISTING SYSTEM RECEPTS.	500
960	E6 PRINTER	12	20/1	10K	5	6	10K	20/2	–	SPARE	–
720	C/S RECEPTACLES	12	20/1	10K	7	8	10K				–
660	WESTERN UNION TERM.	12	20/1	10K	9	10	10K	20/1	–	SPARE	–
720	C/S PLUGMOLD	12	20/1	10K	11	12	10K	20/1	–	SPARE	–
360	C/S RECEPTACLES	12	20/1	10K	13	14	10K	20/1	–	SPARE	–
1920	DMHF4AM HOT CASE	12	20/1	10K	15	16	10K	20/1	–	SPARE	–
740	FLORAL PLUGMOLD	12	20/1	10K	17	18	10K	20/1	–	SPARE	–
480	FLORAL KIOSK RECEPT/LT.	12	20/1	10K	19	20	10K	20/1	10	CONF. ROOM RECEPTS.	1800
–	SPARE	–	20/1	10K	21	22	10K	20/1	12	CONDENSATE PUMP	60
–	SPARE	–	20/1	10K	23	24	10K	15/2	12	ACCT. HVAC	1144
360	CORD REEL RECPTS.	10	20/1	10K	25	26	10K				1144
–	SPARE	–	20/1	10K	27	28	10K	40/2	6	FLORAL WATER HTR.	3250
–	SPARE	–	20/1	10K	29	30	10K				3250

LOCATION : ACCOUNTING ROOM

PANEL MOUNTING : RECESSED / TOP FEED

SERVICE : 120/208V, 3PH, 4W

MAINS : 125 AMP MLO

TYPE: 10K

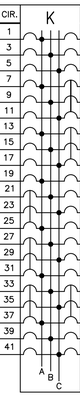
FED FROM PANEL "MDP" (100A)

NEW PANEL

PHASE A:	5,435 VA
PHASE B:	7,110 VA
PHASE C:	6,074 VA
TOTAL =	18,619 VA
	(52 AMPS)

K

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	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	30/3	10	S36TSC-8	1560
–	EXISTING CIRCUIT	–	20/1	EXIST	9	10	EXIST				1560
–	EXISTING CIRCUIT	–	20/1	EXIST	11	12	EXIST				1560
–	EXISTING CIRCUIT	–	20/1	EXIST	13	14	EXIST	30/3	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	15	16	EXIST				–
–	EXISTING CIRCUIT	–	20/1	EXIST	17	18	EXIST				–
–	EXISTING CIRCUIT	–	20/1	EXIST	19	20	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	70/3	EXIST	21	22	EXIST	20/1	–	EXISTING CIRCUIT	–
–				EXIST	23	24	EXIST	20/1	–	EXISTING CIRCUIT	–
–				EXIST	25	26	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	40/3	EXIST	27	28	EXIST	20/1	–	EXISTING CIRCUIT	–
–				EXIST	29	30	EXIST	20/1	–	EXISTING CIRCUIT	–
–				EXIST	31	32	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/3	EXIST	33	34	EXIST				–
–				EXIST	35	36	EXIST	30/3	–	EXISTING CIRCUIT	–
–				EXIST	37	38	EXIST				–
–	EXISTING CIRCUIT	–	30/1	EXIST	39	40	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	30/1	EXIST	41	42	–	–	–	SPACE ONLY	–



LOCATION : GROCERY STAGING

PANEL MOUNTING : SURFACE

SERVICE : 120/208V, 3PH, 4W

MAINS : 125 AMP MLO

FED FROM PANEL "MDP" (100A)

EXISTING PANEL

(NEW LOADS OFFSET BY REMOVAL OF EXISTING)

O

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	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	–	40/2	EXIST	7	8	EXIST	20/1	–	EXISTING CIRCUIT	–
–				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	–	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	20/1	–	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	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	31	32	EXIST	20/1	12	BIOMETERIC READERS	96
–	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	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	39	40	EXIST	15/2	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	41	42	EXIST				–

LOCATION : OFFICE MEZZANINE

PANEL MOUNTING : RECESSED

SERVICE : 120/208V, 3PH, 4W

MAINS : 225 AMP MLO

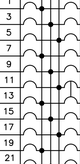
FED FROM PANEL "MDP" (200A)

EXISTING PANEL

(NEW LOADS OFFSET BY REMOVAL OF EXISTING)

PH

VA	SERVICE	WIRE	MOPD	TYPE	CIR.	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	–
–	SPARE	–	20/1	EXIST	9	10	EXIST	20/1	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	11	12	EXIST	50/2	–	EXISTING CIRCUIT	–
–	EXISTING CIRCUIT	–	20/1	EXIST	13	14	EXIST				–
–	SPARE	–	20/1	EXIST	15	16	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	17	18	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	19	20	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	21	22	–	–	–	SPACE ONLY	–
–	SPACE ONLY	–	–	–	23	24	–	–	–	SPACE ONLY	–



LOCATION : PHARMACY STORAGE

PANEL MOUNTING : RECESSED

SERVICE : 120/208V, 3PH, 4W

MAINS : 100 AMP MLO

FED FROM PANEL "MDP" (100A)

EXISTING PANEL

(NO CHANGE TO EXISTING LOADS)

SPECIAL REPAIR NOTES

PXX SEE SPECIAL REPAIR NOTE LIST ON SHEET E6.2. REFER TO CRESCENT CONSTRUCTION SERVICES, LLC ELECTRICAL SURVEY REPORT FOR ADDITIONAL INFORMATION.

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

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, UPDATED 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.

–	SL	K
–	SL2	O
–	BK	PH

CAPSTONE
project services, plc
2211 WIDMAN WAY, STE 220
FORT MYERS, FL 33901

COMMONWEALTH OF VIRGINIA
STEVE W. HAAS
No. 023582
PROFESSIONAL ENGINEER

6-1-2020

SEAL

STEVE W. HAAS, P.E.
ELECTRICAL ENGINEER
P.O. BOX 5021
CHARLOTTE, NC
(704) 333-6500
haasandkenne@mpinet.com

CONSULTANT

A REMODEL FOR:
KROGER R-215
7480 LEE HWY
FAIRLAWN, VA

PROJECT KROGER MID-ATLANTIC

6-1-2020
DATE CONSTRUCTION SET

PANEL SCHEDULES

SHEET TITLE

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO: 20201
CAD DWG FILE: R-215 E6.2.3
DRAWN BY: WSM
CHK'D BY: SWH

E6.2.3
SHEET NO.