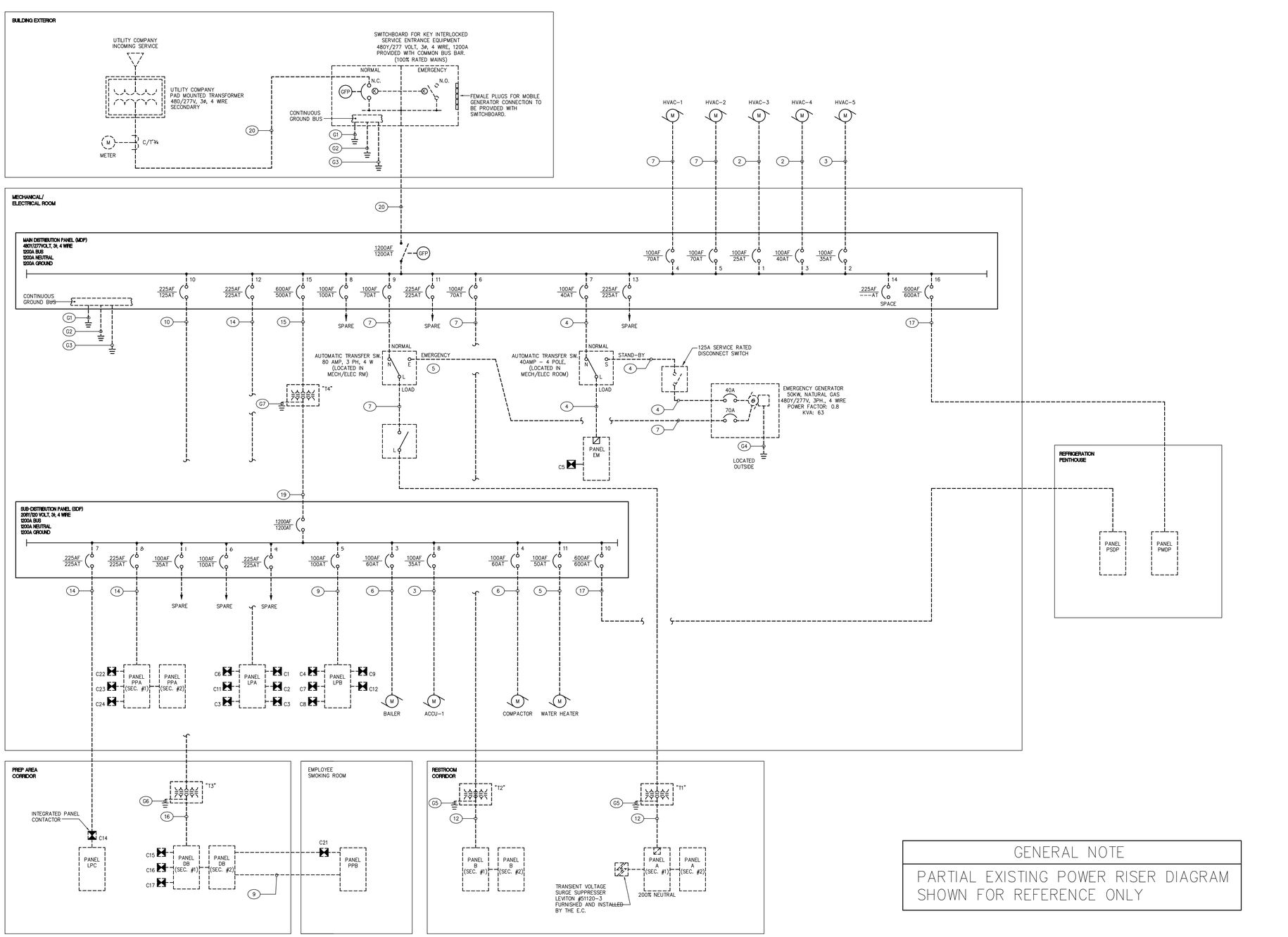
TAG	KVA SIZE	VOLTAGE		K RATING	ENCLOSURE	PRIMARY PROTECTION						SECONDARY PROTECTION						SECONDARY DERIVED SYSTEM GRD. ELECTRODE CONDUCTOR (SEE KEY NOTE #1)	REMARKS
		PRIMARY	SECONDARY			SW. & FUSE (AMPS)			CB (AMPS)			SW. & FUSE (AMPS)			CB (AMPS)				
						SWITCH	POLES	FUSE	FRAME	POLES	TRIP	SWITCH	POLES	FUSE	FRAME	POLES	TRIP		
T1	45	480Δ	208Y/120V	K-13	VENTILATED	100	3	70	100	3	70	200	3	175	225	3	175	1#4 G. IN 1/2" C.	TRAPEZE MOUNTED
T2	45	480Δ	208Y/120V	K-1	VENTILATED	100	3	70	100	3	70	200	3	175	225	3	175	1#4 G. IN 1/2" C.	FLOOR MOUNTED
T3	75	480Δ	208Y/120V	K-1	VENTILATED	200	3	125	225	3	125	400	3	300	400	3	300	1#2 G. IN 1/2" C.	FLOOR MOUNTED
T4	300	480Δ	208Y/120V	K-1	CLASS 220 INSULATION SYSTEM - COMPLETELY ENCLOSED, VENTILATED	600	3	500	600	3	500	1200	3	1200	1200	3	1200	1#3/0 G. IN 1" C.	FLOOR MOUNTED

TAG	NO. OF CONDUCTORS AND AWG. SIZE	CONDUIT SIZE	REMARKS
1	3#12+1#12G.	3/4"	-
2	3#10+1#10G.	3/4"	-
3	3#8+1#10G.	3/4"	-
4	4#8+1#10G.	3/4"	-
5	3#6+1#10G.	3/4	-
6	4#6, 1#10G.	1"	-
7	3#4+1#8G.	1"	-
8	3#2+1#6G.	1 1/4"	-
9	4#2+1#8G.	1 1/4"	-
10	3#1+1#6G.	1 1/2"	-

TAG	NO. OF CONDUCTORS AND AWG. SIZE	CONDUIT SIZE	REMARKS
11	3#2/0+1#6G.	2"	-
12	4#2/0+1#6G.	2"	PLUS 1#6 ISO GROUND
13	3#3/0+1#6G.	2"	-
14	4#4/0+1#4G.	2 1/2"	-
15	3-250 KCMIL+1#2G.	2 1/2"	(2) SETS OF EACH
16	4-350 KCMIL+1#4G.	3"	-
17	4#350 KCMIL+1#1G.	3"	(2) SETS OF EACH
18	3-500 KCMIL+1#2G.	3"	-
19	4-600 KCMIL+1#3/0G.	4"	(3) SETS OF EACH
20	4-600 KCMIL	4"	(3) SETS OF EACH PLUS (1)4" SPARE

TAG	NO. OF CONDUCTORS AND AWG. SIZE	CONDUIT SIZE	REMARKS
G1	1#3/0	3/4"	TO BUILDING STEEL
G2	1#3/0	3/4"	TO GROUND ROD
G3	1#3/0	3/4"	TO MAIN WATER PIPE
G4	1#8	1/2"	(KEY NOTE #2)
G5	1#4	1/2"	(KEY NOTE #2)
G6	1#2	1/2"	(KEY NOTE #2)
G7	1#3/0	3/4"	(KEY NOTE #2)
G8			
G9			
G10			

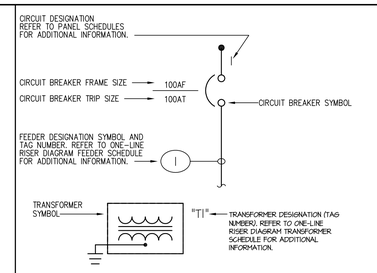


1 PARTIAL EXISTING POWER RISER DIAGRAM

DIAGRAMMATIC

GENERAL NOTE

PARTIAL EXISTING POWER RISER DIAGRAM SHOWN FOR REFERENCE ONLY



RISER DIAGRAM LEGEND

PANEL DESIGNATION	A.I.C. RATING (MINIMUM)
MAIN DISTRIBUTION PANEL "MDP"	65,000
SUB-DISTRIBUTION PANEL "SDP"	22,000
ELECTRICAL PANEL "EM"	42,000
ELECTRICAL PANEL "LPA"	42,000
ELECTRICAL PANEL "LPB"	22,000
ELECTRICAL PANEL "PPA"	22,000
ELECTRICAL PANEL "DP"	22,000
ELECTRICAL PANEL "PPB"	10,000
ELECTRICAL PANEL "LPC"	10,000
ELECTRICAL PANEL "A"	10,000
ELECTRICAL PANEL "B"	10,000
ELECTRICAL PANEL "PMDP"	42,000
ELECTRICAL PANEL "PSDP"	22,000
ELECTRICAL PANEL "P"	10,000
ELECTRICAL PANEL "RPF"	10,000
ELECTRICAL PANEL "RPH"	10,000
ELECTRICAL PANEL "RPL"	10,000

ELECTRICAL PANEL A.I.C. RATINGS

RISER DIAGRAM KEY NOTES

THE E.C. SHALL INSTALL CONDUITS UTILIZING THE FOLLOWING METHODS:

OUTDOOR, UNDERGROUND: SCHEDULE 40 PVC

INDOOR EXPOSED: ELECTRICAL METALLIC RIGID TUBING

INDOOR CONCEALED: ELECTRICAL METALLIC TUBING

INDOOR THROUGH SLAB: RIGID METALLIC CONDUIT

OUTDOOR EXPOSED: RIGID METAL CONDUIT

OUTDOOR CONNECTION TO HVAC EQUIPMENT & REFRIGERATION CONDENSING UNITS: LIQUID TIGHT FLEXIBLE METAL CONDUIT

INDOOR, BENEATH SLAB GRAVEL: SCHEDULE 40 PVC

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NORTH CAROLINA PROFESSIONAL SEAL 28964 ENGINEER WILLIAM LEE TEETER
11/19/14

Harris Teeter
Your Neighborhood Food Market

HARRIS TEETER #220
COCHRAN COMMONS
CHARLOTTE, NC

PROJECT MANAGER
WILLIAM LEE TEETER, PE

JOB NO.
14-HT220-02

DRAWN BY.
MAD

REVISIONS
No. _____ Date _____
No. _____ Date _____
No. _____ Date _____
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DRAWING NAME

PARTIAL EXISTING POWER RISER DIAGRAM

ISSUE DATE: 11.19.14

SHEET NO. E2.1