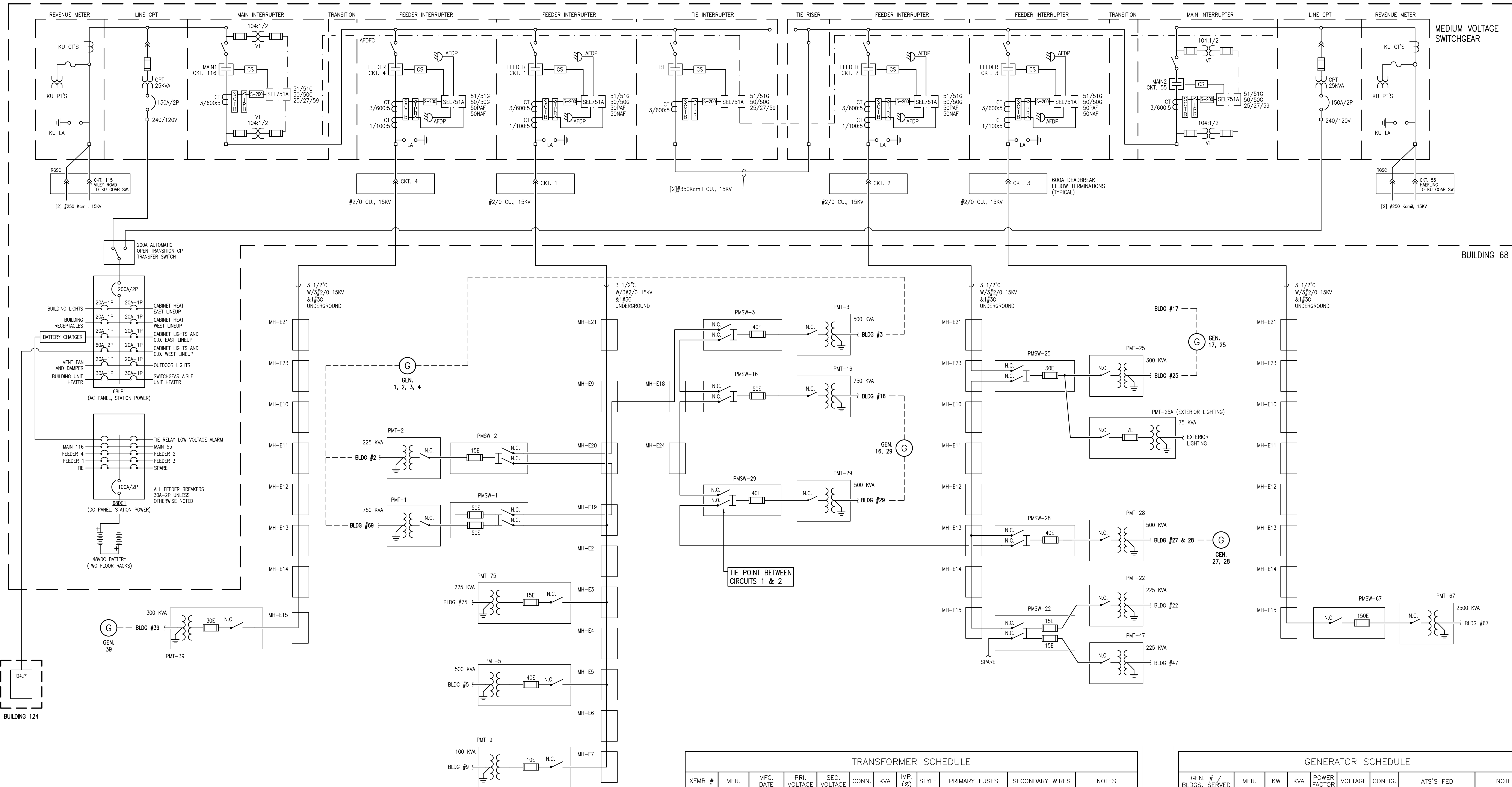


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot



ABBREVIATIONS

AFD ARC FLASH DETECTOR
SCTB SHORTING CONNECTION TERMINAL BLOCK
CT CURRENT TRANSFORMER
VT VOLTAGE TRANSFORMER
BT BUS-TIE
LA LIGHTNING ARRESTOR
K KIRK KEYED, LO = LOCKED OPEN
CPT CONTROL POWER TRANSFORMER
CS CONTROL SWITCH
RGSC RUBBER GOODS SECTIONALIZING CABINET
SEL-751A SCHWEITZER PROTECTION RELAY OR EQUAL
S-200 REVENUE GRADE SHARK DEMAND METER OR EQUAL
TPB TEST POINT BLOCK

TRANSFORMER SCHEDULE

XFMR #	MFR.	MFG. DATE	PRI. VOLTAGE	SEC. VOLTAGE	CONN.	KVA	IMP. (%)	STYLE	PRIMARY FUSES	SECONDARY WIRES	NOTES
PMT-1	ABB	1/2011	12,470	208/120	D-Y	750	5.81	ONAN	SMU-20-STD-50E	8 SETS - 600MCM	SEE DWG. EP002
PMT-2	ABB	2/2011	12,470	208/120	D-Y	225	5.04	ONAN	SMU-20-STD-15E	2 SETS - 350MCM	SEE DWG. EP003
PMT-3	ABB	2/2011	12,470	208/120	D-Y	500	5.53	ONAN	SMU-20-STD-40E	5 SETS - 750MCM	SEE DWG. EP003
PMT-5	RTE	UNKNOWN	12,470	208/120	D-Y	500	3.9	ONAN	SMU-20-STD-40E	4 SETS - 500MCM	SEE DWG. EP004
PMT-9	ABB	3/2012	12,470	480/277	D-Y	100	4.95	ONAN	SMU-20-STD-10E	2 SETS - 2 AWG	SEE DWG. EP004
PMT-16	ABB	1/2011	12,470	208/120	D-Y	750	5.84	ONAN	SMU-20-STD-50E	6 SETS - 500MCM	SEE DWG. EP005
PMT-22	ABB	2/2011	12,470	208/120	D-Y	225	5.04	ONAN	SMU-20-STD-15E	2 SETS - 500MCM	SEE DWG. EP007
PMT-25	ABB	2/2011	12,470	208/120	D-Y	300	4.97	ONAN	SMU-20-STD-20E	3 SETS - 500MCM	SEE DWG. EP006
PMT-25A	ABB	2/2011	12,470	480/277	D-Y	75	5.00	ONAN	SMU-20-STD-7E	1 SET - 1/0 AWG	SEE DWG. EP006
PMT-28	ABB	2/2011	12,470	208/120	D-Y	500	5.53	ONAN	SMU-20-STD-40E	5 SETS - 500MCM	SEE DWG. EP008
PMT-29	ABB	2/2011	12,470	208/120	D-Y	500	5.53	ONAN	SMU-20-STD-40E	4 SETS - 600MCM	SEE DWG. EP009
PMT-39	ABB	2/2011	12,470	208/120	D-Y	300	4.97	ONAN	SMU-20-STD-30E	2 SETS - 350MCM	SEE DWG. EP010
PMT-47	ABB	2/2011	12,470	208/120	D-Y	225	5.04	ONAN	SMU-20-STD-15E	2 SETS - 350MCM	SEE DWG. EP010
PMT-67	ABB	2/2011	12,470	480/277	D-Y	2,500	5.37	ONAN	SMU-20-STD-150E	9 SETS - 500MCM	SEE DWG. EP011
PMT-75	RTE	UNKNOWN	12,470	208/120	D-Y	225	3.3	ONAN	SMU-20-STD-15E	2 AWG (1#) *	SEE DWG. EP004

* - EXTERIOR SIEMENS FUSED DISCONNECT SWITCH WITH (2) 100A FERRAZ-SHAWMUT TRS-100R FUSES

GENERATOR SCHEDULE

GEN. # / BLDGS. SERVED	MFR.	KW	KVA	POWER FACTOR	VOLTAGE	CONFIG.	ATS'S FED	NOTES
1, 2, 3, 4	KOHLER	500	625	0.8	208/120	3#4W	1ATS/LS (LS) 1ATS/EM (CR) 2ATS/ELEV. 2ATS/LS (LS) 2ATS/EM (CR) 2ATS/ELEV. 3ATS/EM (CR) 3ATS/LS (LS) 3ATS/ELEV. (CR) ATSXRIE (CR)	SEE DWG. EP002 & DWG. EP003
16, 29	KOHLER	230	287.5	0.8	208/120	3#4W	16ATS/LS (LS) 16ATS/EM (CR) 29ATS/EM (CR) 29ATS/LS (LS)	SEE DWG. EP005 & DWG. EP009
17, 25	KOHLER	230	287.5	0.8	208/120	3#4W	17ATS/LS (LS) 17ATS/EM (CR) 17ATS/DENTAL (CR) 17ATS/ELEV. 25ATS/EM (CR) 25ATS/LS (LS)	SEE DWG. EP006
27, 28	KOHLER	230	287.5	0.8	208/120	3#4W	27ATS/LS (CR,LS) 27ATS/ELEV. 28ATS/EM (CR) 28ATS/LS (LS)	SEE DWG. EP008
39	KOHLER	50	63	0.8	208/120	3#4W	39ATS-1	SEE DWG. EP010

CONSULTANTS:

ARCHITECT/ENGINEERS:

Drawing Title
MEDIUM VOLTAGE DISTRIBUTION SYSTEM + BUILDING 68 ONE-LINE DRAWING

Project Title
ARC FLASH HAZARD ANALYSIS / SHORT-CIRCUIT / COORDINATION STUDY

Project Number
VA249-15-P-0091

Building Number

Approved Project Director

Location
VAMC, LEEESTOWN DIVISION, LEXINGTON, KY

Drawing Number
EP001

Date
7/14/2015

Checked
SG

Drawn
DM

Dwg. 3 of 14

Office of Construction and Facilities Management

