

## ELECTRICAL TESTING

BLDG	RM	CATEGORY	OC Device	DESCRIPTION BREAKERS/FUSES	Mod #	EE#	OCT 2013 NOTES	OCT 2014 NOTES	OCT 2015 NOTES
BLDG 1	B027A	Breaker-Main	Electronic	CLC.SVCE.UTIL.Main 2500A BKR	Powerpact RG2500	16404	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - ATS-CR	Powerpact PG400	16445	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr- CB,C1,C2 (400A)	Powerpact PG400	16450	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - CB,C1,C2 (400A)	Powerpact PG400	16350	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - E1S,E1SA,E2SA,E2E (400A)	Powerpact PG400	16446	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - ATS-EQ2 (800A)	Powerpact PG800	17256	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - 3rd FLR Outpat	Powerpact PG400	17258	2, 3	2A, 3A	2, 3
BLDG 1	B028	Substation	Fuse	CLC Emerg HV#1 Disc.	HVL	16395	2, 7	2A, 7A	2, 7
BLDG 1	B028	Substation	Fuse	CLC Emerg HV#2 Disc.	HVL	16396	2, 7	2A, 7A	2, 7
BLDG 1	B028	Substation	Electronic	CLC Emerg LV Disc.	Power Pact RG2500	16397	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Breaker-Main	Electronic	CLC.SVCE.Bkr - NH-DSWBD Dist.1600A	Powerpact RG1600	16407	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Breaker-Main	Electronic	CLC.SVCE.BKR to ATS - 1600	Powerpact RG1600	16405	2, 3	2A, 3A	2, 3
BLDG 1	B269	Breaker-Main	Electronic	N SVCE/S. SVCE Tie 3000A Breaker	Master Pact NW30H	16451	2, 3	2A, 3A	2, 3
BLDG 1	B269	Breaker-Main	Electronic	S. SVCE Emerg.Main 3000A BKR	Master Pact NW30H	16433	2, 3	2A, 3A	2, 3
BLDG 1	B267	Substation	Electronic	S.Emerg.LV Disc	Master Pact NW30H	16421	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - SBP-C (1200A)	Powerpact RG1200	16378	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - 3E,4E (400A)	Powerpact PG400	16449	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - ATS-CR2Mups400	Powerpact PG400	17254	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - B,1 OutPat East (800A)	Powerpact PG800	16435	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - WBA,W1N,W1N,W2 (400A)	Powerpact PG400	16436	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - 3W,4W (400A)	Powerpact PG400	16437	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - SBP (800A)	Powerpact PG800	16440	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - LPL (400A)	Powerpact PG400	16447	2, 3	2A, 3A	2, 3
BLDG 1	B269	Breaker-Main	Electronic	N. SVCE Emerg.Main 3000A BKR	Master Pact NW30H	16439	2, 3	2A, 3A	2, 3
BLDG 1	B269	Breaker-Main	Electronic	N. SVCE Util Main 3000A BKR	Master Pact NW30H	16434	2, 3	2A, 3A	2, 3
BLDG 1	B267	Substation	Fuse	N.Emerg.HV Disc.	HVL	16426	2, 7	2A, 7A	2, 7
BLDG 1	B267	Substation	Electronic	N.Emerg.LV Disc.	Master Pact NW30H	16427	2, 3	2A, 3A	2, 3
BLDG 1	B269	Breaker-Main	Electronic	S. SVCE Util Main 3000A BKR	Master Pact NW30H	16432	2, 3	2A, 3A	2, 3
BLDG 1	B267	Substation	Fuse	S.Emerg.HV Disc	HVL	16420	2, 7	2A, 7A	2, 7
BLDG 1	B278A	DISCONNECT	Fuse	S.Util Service 3000A	Bolt-Loc	16461	2, 3	2A, 3A	2, 3
BLDG 1	B267	Substation	Fuse	XRy Emerg.HV#1 Disc.	HVL	16422	2, 7	2A, 7A	2, 7
BLDG 1	B267	Substation	Fuse	XRy Emerg.HV#2 Disc.	HVL	16423	2, 7	2A, 7A	2, 7
BLDG 1	B267	Substation	Electronic	XRy Emerg.LV Disc.	Power PG1000	16425	2, 3	2A, 3A	2, 3
BLDG 1	B028	Breaker-Main	Electronic	CLC.EMERG. SUB 1600A Feed Bkr	Powerpact RG1600	16398	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - c3,c4, (400A)	Powerpact PG400	16377	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - 5E,6E (400A)	Powerpact PG400	16448	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - ATS-EQ2 (600A)	Powerpact PG600	16452	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - LS-IRM UPS(400A)	Powerpact PG400	16458	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - ATS-CR3 (400A)	Powerpact PG400	17255	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - 5W,6W (400A)	Powerpact PG400	16438	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - KP (400A)	Powerpact PG400	16442	2, 3	2A, 3A	2, 3

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BLDG	RM	CATEGORY	OC Device	DESCRIPTION BREAKERS/FUSES	Mod #	EE#	OCT 2013 NOTES	OCT 2014 NOTES	OCT 2015 NOTES
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - E2CA, E2C, X-Ray (400A)	Powerpact PG400	16443	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - M1-2A (800A)	Powerpact PJ800	17257	2, 3	2A, 3A	2, 3
BKDG 1	1308	Circuit Breaker	Therm Mag	M.DIST- Hyyd Elev #1 300A	Q4323001021	17285	2, 3	2A, 3A	2, 3
BLDG 1	B267	Substation	None	13800 - 208 wye delta Transformer	Power cast II		2, 3	2A, 3A	2, 3
BLDG 1	B267	Breaker-Main	Electronic	N. Emerg.Sub.Dist.3000A BKR	Master Pact NW30H	16428	2, 3	2A, 3A	2, 3
BLDG 1	B278A	DISCONNECT	Fuse	N.Util Service 3000A	Bolt-Loc	16460	2, 3	2A, 3A	2, 3
BLDG 1	B278A	DISCONNECT	Fuse	X-RAY/FirePump Service Disconnet	Safety Switch	16459	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	S.SVCE Dist Bkr - Elev(F&E)(400A)	Powerpact PG400	16376	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electronic	N.SVCE Dist Bkr - SBA (800A)	Powerpact PG400	16441	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.DIST.Bkr - ATS EQ 600Amp	Powerpact PG600	16429	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.DIST.Bkr - ATS LS 400Amp	Powerpact PG400	16430	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.DIST.Bkr - ATS CR 400Amp	Powerpact PG400	16431	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.Dist Bkr to ATS-CR2	Powerpact PG400	17435	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.Dist Bkr to ATS-CR3	Powerpact PG400	17436	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	N.EM.Dist Bkr to ATS-EQ2	Powerpact PG1200	17437	2, 3	2A, 3A	2, 3
BLDG 1	6222A	Circuit Breaker	Therm Mag	DP-PH2.DIST.Bkr -AHU 10 #1 300Amp	LA36300	17264	2, 3	2A, 3A	2, 3
BLDG 1	6222A	Circuit Breaker	Therm Mag	DP-PH2.DIST.Bkr - AHU 10 #2 300Amp	LA36300	17265	2, 3	2A, 3A	2, 3
BLDG 1	6222A	Circuit Breaker	Therm Mag	DP-PH2.DIST.Bkr to IRM-5 300A	LA36300	17266	2, 3	2A, 3A	2, 3
BLDG 1	6122A	Circuit Breaker	Therm Mag	DP-PH1.DIST.Bkr - AHU 11 #1 300Amp	LA36300	17267	2, 3	2A, 3A	2, 3
BLDG 1	6122A	Circuit Breaker	Therm Mag	DP-PH1.DIST.Bkr - AHU 11 #2 300Amp	LA36300	17268	2, 3	2A, 3A	2, 3
BLDG 1	1308	Circuit Breaker	Therm Mag	M.DIST- Hyd. Elev. #2 300A	Q4323001021	17286	2, 3	2A, 3A	2, 3
BLDG 1	1308	Circuit Breaker	Therm Mag	M.DIST.- OLD RTU 4 Feed 350A	LA36350	17287	2, 3	2A, 3A	2, 3
BLDG 1	S001	Circuit Breaker	Therm Mag	SBP-C.DIST Bkr - DP-Ph1 600A	L36600	17273	2, 3	2A, 3A	2, 3
BLDG 1	S001	Circuit Breaker	Therm Mag	SBP.DIST. Bkr - MPA & MPB 300A	GE - # TCAL43	17274	2, 3	2A, 3A	2, 3
BLDG 1	S002	Circuit breaker	Therm Mag	EQ5.Dist.Bkr - DPPH2 600Amp	LC36600	17272	2, 3	2A, 3A	2, 3
BLDG 1	S002	Circuit breaker	Therm Mag	XRAY.DIST.Bkr - XRAY 2nd FL 400A	LA36400	17271	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Circuit Breaker	Therm Mag	CLC.DIST.Bkr - DPEQ 400Amp	Powerpact PG400	16414	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Circuit Breaker	Electrconic	CLC.DIST Bkr - ATSEQ2 800A	Powerpact PG800	16411	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Circuit Breaker	Therm Mag	CLC.DIST.Bkr - NH-ME1 (400)	LH36400	16408	2, 3	2A, 3A	2, 3
BLDG 1	B027A	Circuit Breaker	Therm Mag	CLC.DIST.Bkr - SPARE	LH36400		2, 3	2A, 3A	2, 3
BLDG 1	B028	Circuit Breaker	Electrconic	CLC.EM.DIST.Bkr - ATS-CR2 250Amp	Powerpact PG250	16399	2, 3	2A, 3A	2, 3
BLDG 1	B028	Circuit Breaker	Electronic	CLC.EM.DIST.Bkr - ATS-EQ2 800Amp	Powerpact PG800	16400	2, 3	2A, 3A	2, 3
BLDG 1	B028	Circuit Breaker	Electronic	CLC.EM.DIST.Bkr - ATS - LS2 250amp	Powerpact PG250	16401	2, 3	2A, 3A	2, 3
BLDG 1	B267	Circuit Breaker	Electronic	XRAY.EM.DIST.Bkr - XRAY 2nd FL 600A	Powerpact PG600	16424	2, 3	2A, 3A	2, 3
BLDG 1	S001	Circuit Breaker	Therm Mag	SBP.DIST. Bkr - ABP-A Pnl 300A	GE - # TCAL43	17275	2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	Spare-Off	Powerpact PG800		2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	N. Spare - Off (400A)	PowerPact PG400		2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	N. Spare - Off (400A)	PowerPact PG400		2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	"TB" Engineering Panel	PowerPact PG400		2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	Spare - Off (400A)	PowerPact PG400		2, 3	2A, 3A	2, 3
BLDG 1	B269	Circuit Breaker	Electonic	S. Spare - Off (800A)			2, 3	2A, 3A	2, 3

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BLDG	RM	CATEGORY	OC Device	DESCRIPTION BREAKERS/FUSES	Mod #	EE#	OCT 2013 NOTES	OCT 2014 NOTES	OCT 2015 NOTES
BLDG 2	*	Switchgear	Electronic	Generator #1 Emer. Bus Breaker	VR	15661	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Generator #2 Emer. Bus Breaker	VR	15663	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Generator #3 Emer. Bus Breaker	VR	16352	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	52-F1 Spare Breaker	VR	15664	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	52-F2 Spare Breaker	VR	15665	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Bldg 11-B Feed #1 Breaker	VR	15666	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Boiler House-A Feed Breaker	VR	15667	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Bldg 11-F Feed #2 Breaker	VR	15668	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Boiler House - E Feed #2 Breaker	VR	15669	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	Bldg 3-G Feed Breaker	VR	15670	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	52-F8 Spare Breaker	VR	15671	2A, 4A	2,4	2A, 4A
BLDG 2	*	Switchgear	Electronic	52-F1 Spare Breaker	VR	15672	2A, 4A	2,4	2A, 4A
BLDG 2	*	Generator	Breaker	Cummins Generator #1	DOGAA-A030R235	15647	2, 3	2A, 3A	2, 3
BLDG 2	*	Generator	Breaker	Cummins Generator #2	DOGAA-A030R235	15648	2, 3	2A, 3A	2, 3
BLDG 2	*	Generator	Breaker	Cummins Generator #3	DOGAA-A030R235	16487	2, 3	2A, 3A	2, 3
BLDG 2	*	Substation	Fuse	Bldg 2 Emerg.HV#1 Disc.	HVL	16456	2, 7	2A, 7A	2, 7
BLDG 2	*	Substation	Fuse	Bldg 2 Emerg.HV#2 Disc.	HVL	16463	2, 7	2A, 7A	2, 7
BLDG 2	*	Substation	Electronic	Bldg 2 Emerg. LV Disc	Power pact PJ600	16464	2, 3	2A, 3A	2, 3
BLDG 2	*	Breaker-Main	Electronic	B.H. SVCE Util. Main 800A Bkr	Masterpact NW08N	15657	2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	B.H.EM Dist Bkr -Main BKR 600a	Powerpact RK600	17253	2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	B.H. EM Dist Bkr - ATS 2 (250Amp)	Powerpact PJ250	17250	2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	B.H. EM Dist Bkr - ATS 1 (250Amp)	Powerpact PJ250	17251	2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	B.H. EM Dist Bkr - ATS 3 (600Amp)	Powerpact PJ600	17252	2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	ATS-2 (250Amp)	Powerpact PJ250		2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	ATS-1 (250Amp)	Powerpact PJ250		2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	ATS-3 (400Amp)	Powerpact PJ400		2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	Spare	PG400		2, 3	2A, 3A	2, 3
BLDG 2	*	Circuit Breaker	Electronic	?	PJ600		2, 3	2A, 3A	2, 3
BLDG 2	*	Breaker-Main	Electronic	B.H. SVCE Emerg. Main 800A BKR	Masterpact NW08N	15656	2, 3	2A, 3A	2, 3
							2, 3	2A, 3A	2, 3
BLDG 3	*	Circuit Breaker	Electronic	Bldg 3 Main Utility Bkr (400Amp)		16462	2, 3	2A, 3A	2, 3
BLDG 3	*	Circuit Breaker	Electronic	Bldg 3 Main Emerg. Bkr (400Amp)		16453	2, 3	2A, 3A	2, 3

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BLDG	RM	CATEGORY	OC Device	DESCRIPTION BREAKERS/FUSES	Mod #	EE#	OCT 2013 NOTES	OCT 2014 NOTES	OCT 2015 NOTES
BLDG 11	*	Substation	Fuse	Chill 1-4 HV Disc.	HVL	16386	2, 3	2A, 3A	2, 3
BLDG 11	*	Substation	Electronic	Chill 1-4 LV Disc.	Bolt-Loc (ser. 2)	16385	2, 3	2A, 3A	2, 3
BLDG 11	*	Substation	Fuse	Chill 5-8 HV Disc.	HVL	16381	2, 3	2A, 3A	2, 3
BLDG 11	*	Substation	Electronic	Chill 5-8 LV Disc.	Bolt-Loc (ser. 2)	16380	2, 3	2A, 3A	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill 1-4 Util 2000A Breaker	Masterpact NW20N	16383	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill 1-4 Emerg. 2000A Breaker	Masterpact NW20N	16384	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill 5-8 Util 2000A Breaker	Masterpact NW20N	16387	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill Tie BKR - 2000A	Masterpact NW20N	16379	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill 5-8 Emerg. 1600A Breaker	Masterpact NW20N	16388	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker	Electronic	Load Bank 1200 Amp	Powerpact RJ1200		2, 3	2A, 3A,8	2, 3
BLDG 11	*	Breaker	Electronic	Chillers 1-2	PowerPact PJ800		2, 3	2A, 3A	2, 3
BLDG 11	*	Breaker	Electronic	Chillers 3-4	PowerPact PJ600		2, 3	2A, 3A	2, 3
BLDG 11	*	Breaker-Main	Electronic	Chill 5-8 - X CHill 1600A Feed BKR	Powerpact RK2000	16389	2, 3	2A, 3A,8	2, 3
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Incomin Feed Main #1	VR	15674	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-S.Emerg. Sub Feed	VR	15675	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-CLC Emerg. Sub Feed #1	VR	15676	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Chiller 1-4. Emerg. Sub Feed	VR	15677	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-X-Ray/FP Emerg. Sub Feed #1	VR	15678	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Spare	VR	15679	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-N. Emerg. Sub. Feed	VR	15680	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-CLC Emerg. Sub. Feed #2	VR	15681	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Chill 5-8. Emerg. Sub. Feed	VR	15682	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-X-Ray/FP Emerg. Sub Feed #2	VR	15683	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear- Spare	VR	15684	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Incomin Feed Main #2	VR	15685	2A, 4A	2,4	2A, 4A
BLDG 11	*	Switchgear	Electronic	Emerg. Dist. Switchgear-Auto Tie Breaker	VR	16391	2A, 4A	2,4	2A, 4A
				<b>TRANSFORMERS</b>					
BLDG 1	B267	Substation	None	13800-208 Delta wye transformer	Power Dry II		5		
BLDG 1	B267	Substation	None	13800-208 Delta wye transformer	Power cast II		5		
BLDG 1	*	Substation	None	13800-208 Delta wye transformer	Power cast II		5		
BLDG 1	B267	Substation	None	13800-208 Delta wye transformer	Power cast II		5		
BLDG 1	*	Substation	None	13800-480 Delta wye transformer	Power cast II		5		
BLDG 1	*	Substation	None	13800-480 Delta wye transformer	Power cast II		5		
BLDG 2	*	Substation	None	13800-208 Delta wye transformer 112.5	Power cast II		5		
TSG	*	Substation	None	13800-208 Delta wye transformer 45	Power cast II		5		
BLDG 1 1	*	Substation	None	13800-480 Delta wye transformer	Power cast II		5		
BLDG 11	*	Substation	None	13800-480 Delta wye transformer	Power cast II		5		
BLDG 3		Emergengy Transformer	None	13800-208 Delta wye transformer	Liquid Filled		6		

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		<b>NOTE 2</b>		<b>Refer to ANSI/NETA MTS-2011 testing and inspection procedures for Switchgear and Switchboard Assemblies</b>					
				Requirements for testing and inspection include but are not limited to the items listed below.					
				<b>A. Visual and Mechanical Inspection.</b>					
				>Inspect physical, electrical, and mechanical condition including evidence of moisture or corona.					
				>Inspect anchorage, alignment, grounding, and required area clearances.					
				>Clean the unit.					
				>Verify that fuse and/or circuit breaker sizes and types correspond to drawings and coordination study as well as to the circuit breaker's address for microprocessor-communication packages.					
				>Inspect bolted electrical connections for high resistance using one					
				>Use a of low-resistance ohmmeter					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.					
				>Perform a thermographic survey					
				<b>B. Electrical Tests</b>					
				>Perform resistance measurements through bolted electrical connections with a low-resistance ohmmeter.					
				>Perform insulation-resistance tests for one minute on each bus section, phase-to-phase and phase-to-ground. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use Table 100.1.					
				>Perform a dielectric withstand voltage test on each bus section, each phase-to-ground with phases not under test grounded, in accordance with manufacturer's published data.					
				>Perform ground-resistance tests.					

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		NOTE 3		Refer to ANSI/NETA MTS-2011 testing and inspection procedures for Circuit Breakers, Air, Insulated-Case/Molded Case					
				Requirements for testing and inspection include but are not limited to the items listed below.					
				A. Visual and Mechanical Inspection					
				>Inspect physical and mechanical condition.					
				>Inspect anchorage and alignment.					
				>Clean the unit.					
				>Operate the circuit breaker to insure smooth operation.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter.					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.					
				>Perform a thermographic survey.					
				B. Electrical Tests					
				>Perform resistance measurements through bolted connections with a low-resistance ohmmeter.					
				>Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with the circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data.					
				>Perform a contact/pole-resistance test.					
				>Determine long-time pickup and delay by primary current injection.					
				>Determine short-time pickup and delay by primary current injection.					
				>Determine ground-fault pickup delay by primary current injection.					
				>Determine instantaneous pickup current by primary injection.					
				>Reset all trip logs and indicators.					

ELECTRICAL TESTING

		NOTE 4		Refer to ANSI/NETA MTS-2011 testing and inspection procedures for Circuit Breakers, Air, Medium Voltage					
				Requirements for testing and inspection include but are not limited to the items listed below.					
				A. Visual and Mechanical Inspection					
				>Inspect physical and mechanical condition.					
				> Inspect anchorage, alignment, and grounding.					
				>Verify that all maintenance devices are available for servicing and operating the breaker.					
				>Clean the unit.					
				>Inspect arc chutes.					
				>Inspect moving and stationary contacts for condition, wear, and alignment.					
				>If recommended by manufacturer, slow close/open breaker and check for binding, friction, contact alignment, contact sequence, and penetration. Verify that contact sequence is in accordance with manufacturer's published data.					
				>Perform all mechanical operation tests on the operating mechanism in accordance with manufacturer's published data.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter.					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.					
				>Perform a thermographic survey.					
				>Verify cell fit and element alignment.					
				>Verify racking mechanism operation.					
				B. Electrical Tests					
				>Perform resistance measurements through bolted connections with a low-resistance ohmmeter.					
				>Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with the circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data.					
				>Perform a contact/pole-resistance test.					
				>With the breaker in a test position, perform the following tests:					
				>Trip and close breaker with the control switch.					
				>Trip breaker by operating each of its protective relays.					
				>Verify mechanism charge, trip-free, and antipump functions.					
				10. Verify blowout coil circuit continuity.					
				C. Overload Tests					
				>Perform overload test per NFPA 110					

## ELECTRICAL TESTING

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ELECTRICAL TESTING

		NOTE 6		Refer to ANSI/NETA MTS-2011 testing and inspection procedures for: Transformers, Liquid Filled					
				A. Visual and Mechanical Inspection					
				>Inspect physical and mechanical condition including evidence of moisture and corona.					
				>Inspect anchorage, alignment, and grounding.					
				>Clean the unit including bushings and control cabinet.					
				>Verify that cooling fans operate correctly.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data					
				>Perform a thermographic survey.					
				>Perform specific inspections and mechanical tests as recommended by the manufacturer.					
				>Verify correct liquid level in tanks and bushings					
				B. Electrical Tests					
				>Perform resistance measurements through bolted connections with a low-resistance ohmmeter., if applicable.					
				>Perform insulation-resistance tests winding-to-winding and each winding-to-ground. Apply voltage in accordance with manufacturer's published data. Calculate the dielectric absorption ratio or polarization index.					
				>Perform turns-ratio tests at the designated tap position.					

## ELECTRICAL TESTING

		<b>NOTE 7</b>		<b>Refer to ANSI/NETA MTS-2011 testing and inspection procedures for Switches, Air, Medium Voltage, Metal Enclosed</b>					
				Requirements for testing and inspection include but are not limited to the items listed below.					
				<b>A. Visual and Mechanical Inspection</b>					
				>Inspect physical and mechanical condition.					
				> Inspect anchorage, alignment, and grounding.					
				>Clean the unit.					
				>Verify correct blade alignment, blade penetration, travel stops, arc interrupter operation, and mechanical operation.					
				>Verify that fuse sizes and types are in accordance with drawings, short circuit study and coordination study					
				>Verify that expulsion-limiting devices are in place on all fuses having expulsion-type elements.					
				>Verify that each fuseholder has adequate mechanical support and contact integrity					
				>Inspect moving and stationary contacts for condition, wear, and alignment.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter.					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.					
				>Perform a thermographic survey.					
				>Verify cell fit and element alignment.					
				>Verify racking mechanism operation.					
				<b>B. Electrical Tests</b>					
				>Perform resistance measurements through bolted connections with a low-resistance ohmmeter.					
				>Measure contact resistance across each switchblade assembly and fuseholder.					
				>Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with the circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data.					
				>Measure fuse resistance.					

## ELECTRICAL TESTING

		<b>NOTE 8</b>		<b>Refer to ANSI/NETA MTS-2011 testing and inspection procedures for: Ground Fault Protection Systems, Low-Voltage</b>					
				<b>A. Visual and Mechanical Inspection</b>					
				>Inspect the compnents for damage and errors in polarity or conductor routing					
				>Verify that the groun connection is made on the source side of the neutral disconnect link and also on the source side of any ground fault sensor.					
				>Verify that the neutral sensors are conncted with the correct polarity on both the primary and secondary,					
				>Verify that all phase conductors and the neutral pass through the sensor in the same direction for zero sequence systems.					
				>Verify that the grounded conductor is solidly grounded.					
				>Clean the unit.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter.					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method.					
				>Perform a thermographic survey.					
				>Inspect bolted electrical connections for high resistance using one or more of the following methods:					
				>Use of a low-resistance ohmmeter					
				>Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data					
				>Verify pickup and time-delay settings in accordance with the settings provided in the owner's specifications.					
				<b>B. Electrical Tests</b>					
				>Perform resistance measurements through bolted connections with a low-resistance ohmmeter., if applicable.					
				>Measure the system neutral-to-ground resistance with the neutral link temporarily removed. Replace neutral link disconnect link after testing.					