

Bulletin 2005-004-EL

ATTACHMENT 3

HV Service General Checklist

Installation Address: _____ Permit Number **EP-**_____

Note 1: To be completed by the Registered Professional responsible for the design of the HV installation. (P.Eng. of record)

Note 2: For information requirements of a portable unit substation used in the installation for a special event, refer to Bulletin 2000-048-EL.

Item	Description	References: CEC Rules, Bulletins	Conformance to the referenced requirements		
			Yes	No	N/A
1	Horizontal clearance of HV conductors from adjacent structures; guarding	36-004; 36-110; Table 33; Bulletin 2015-002-AD/EL			
2	Service raceways, including drainage and pull box facilities	2-322; 6-300; 12-944; 36-100; Bulletin 2000-028-EL Bulletin 2003-002-EL Bulletin 2007-003-EL			
3	Working space; entrance to and exit from; marking to warn persons of potential electric shock and arc flash hazards.	2-306; 2-308; 2-310; Table 56			
4	Space for service and distribution equipment	6-206; 26-352- 36-200 Bulletin 2000-045-EL			
5	Access to nameplates and parts requiring maintenance	2-122			
6	Presence of other than electrical equipment	2-124; Bulletin 2000-045-EL			
7	(a) Dielectric liquid-filled equipment, indoors	26-012; 26-246; 36-206;			
	(b) Dielectric liquid-filled equipment, outdoors	26-014; 26-242; 36-212; Bulletin 2015-002-AD/EL			
8	Illumination of equipment	2-316; 26-356			
9	Warning notices	36-006			
10	Electrical equipment service room/Vault	26-012			
	(a) Location	36-200			
	(b) Construction	ARTICLE 3.6.2.1. / 3.6.2.7 DIVISION B VBBL			
	(c) Door Swing	3.6.2.6.(1) DIV. B VBBL			
	(d) Fire alarm system devices (Smoke detectors if not sprinklered)	Bulletin 2000-045-EL 3.6.2.7.(3)(b) DIV. B VBBL			
	(e) Adjacent Hazardous Areas (Commercial repair garages)	20-102			
	(f) If sprinklered, adequate protection for electrical equipment	26-008; 26-248(5); Article 8.15.11.3 NFPA 13			
11	Ventilation - (a) Proof that the system is adequate and suitable for the purpose	VBBL DIV. B 3.6.2.7(6) 2-320; Appendix B; P. Eng. Ltr			
	(b) Intake location	VBBL DIV. B 6.2.3.12			

Item	Description	References: CEC Rules, Bulletins	Conformance to the referenced requirements		
			Yes	No	N/A
12	Grounding and bonding requirements:	Bulletin 2005-004-EL			
	(a) Station ground electrode	36-300; 36-302			
	(b) Connections to the station ground electrode	36-104(5); 36-308; Appendix B			
	(i) Method of connection (as specified by the design professional)	36-300; 36-308; Appendix B			
	(ii) Conductor sizes (as specified by the design professional)	CEC Table 51			
	(c) If a ground bus (pad) for testing purposes is installed:				
	(i) Accessibility	2-312			
	(ii) Conductors marked for testing purposes	36-308(7); 2-100			
	(d) If a gang-operated switch is installed:				
	(i) Operating shaft grounded	36-310(1)(a) or (b)			
	(ii) 1.2 m X 1.8 m gradient control mat				
	(iii) positioned for vertical or horizontal operation				
	(iv) connection of the mat by two separate conductors (size and method of connection as specified by the design engineer)				
	(e) If a metallic fence is installed:				
	(i) located minimum 1 m inside perimeter of station ground electrode area				
	(ii) connections to the fence				
13	LV breakers and fuses:	Section 14			
	(a) Size / trip setting	Accepted Plans; Specifications			
	(b) Interrupting capacity	14-012; 14-014;			
14	Ground Fault protection or ground fault detection device.	14-102; 10-106(2)&(3)			
15	Seismic restraints	VBBL DIV. B 4.1.8.18			
16	Owner is advised that an annual (operating) permit must be obtained in conformance with the Vancouver Electrical By-law No. 5563	Note B of Bulletin 2005-004-EL			
17	Other - (Please specify)				

Additional Comments: _____

Testing Agency: _____

Name: _____

Address: _____

Telephone: _____

Facsimile: _____

Email: _____

Signature: _____ Date: _____

P.Eng.
Affix Professional Seal