

City of Surrey - Electrical Section Residential Dwelling Safety Checklist

Unless specifically requested by a City of Surrey electrical safety officer, submission of this shall be voluntary.

Upon completion of the safety check/repair performed by a **Licensed Electrical Contractor** (under a valid permit), the permit holder's field safety representative (FSR) shall complete this form in full. Once completed, this form is to be uploaded to the "Permit Supporting Documents" section in the online portal prior to inspection. The items indicated below must be verified by the FSR in addition to any deficiencies discovered during their inspection of the electrical system.

Should regulated equipment require replacement, only "new", factory approved replacement components will be accepted. All service repairs and or upgrades are subject to BCSA Bulletin No: B-E3 091214 2. This bulletin is available at www.technicalsaftybc.ca.

As per BCEC Rule 2-304 (1) no repairs or alterations are permitted to be carried out on live equipment, except as provided in accordance with BC Regulation 296/97 "WSBC Occupational Health and Safety Regulation" and in conjunction with the safe work practices approved by Work Safe BC. In addition, CSA Standard Z462 (Workplace Electrical Safety) details safe work practices when working on or around energized electrical equipment.

Location		Date:	
Contractor		Contractor License No.	
FSR Name		FSR License No.	
FSR Signature		Electrical Permit No.	

<input type="checkbox"/>	1	All Aluminum connections are to be remade removing any oxidation; applying anti-oxidation compound, with approved connectors and properly tightened to ensure integrity of termination.
<input type="checkbox"/>	2	The grounding conductor and all connections must be in good condition and the electrode must be of the rod or plate type. If upgrading is required current BC Electrical Code requirements apply.
<input type="checkbox"/>	3	Bonding of the water, gas, and communication systems must be in good condition or upgraded to current code requirements.
<input type="checkbox"/>	4	Integrity of the service equipment bonding is to be checked and lock nuts properly tightened. If the integrity of the bonding is in question bonding bushings are to be installed.
<input type="checkbox"/>	5	The proper bonding of the neutral is to be checked, repaired as necessary and properly tightened to ensure integrity of termination.
<input type="checkbox"/>	6	Service equipment has been checked for condensation or water infiltration and corrective measures taken.
<input type="checkbox"/>	7	Main breaker connections are to be remade and properly tightened to ensure integrity of termination.
<input type="checkbox"/>	8	Main breaker mounting pins to be checked for heating/discoloration/arcing etc. and replaced if necessary.
<input type="checkbox"/>	9	Branch circuit breakers are to be checked for heating /discoloration /arcing /corrosion etc at their mounting pins as well as at their load connection terminals.
<input type="checkbox"/>	10	Branch circuit breakers are to be verified for proper rating relative to conductor size and calculated load.
<input type="checkbox"/>	11	The service panel board [and any sub-panels] must have their breaker mounting buss checked for heating /discoloration /arcing /corrosion etc. and replaced if necessary.
<input type="checkbox"/>	12	All openings in electrical panels to be closed off with approved knockout or breaker fillers.
<input type="checkbox"/>	13	Check for proper use of connectors and or bushings where required.

<input type="checkbox"/>	14	A complete, legible and accurate panel directory is to be provided for all panel boards.
<input type="checkbox"/>	15	All exposed or abandoned wiring is to be removed.
<input type="checkbox"/>	16	All outlet boxes, luminaires and receptacles are to be bonded in accordance with section 10 or provided with GFCI protection. e.g. ungrounded receptacles replaced with U-ground type.
<input type="checkbox"/>	17	Switches in bathrooms and washrooms are located in accordance with rule 30-320.
<input type="checkbox"/>	18	Electric heating in bathrooms and washrooms is located in accordance with section 62.
<input type="checkbox"/>	19	Dryer circuits are supplied with an approved receptacle to 26-744(3).
<input type="checkbox"/>	20	Range circuits are supplied with an approved receptacle to 26-744(6).
<input type="checkbox"/>	21	Receptacles are connected only to circuits rated for the corresponding rating of the receptacle. See BCEC 26-700(2).
<input type="checkbox"/>	22	All switches and receptacles that show signs of fatigue or damage are to be replaced.
<input type="checkbox"/>	23	All switches, receptacle and junction boxes must have cover plates installed.
<input type="checkbox"/>	24	All devices have been check for proper polarity.
<input type="checkbox"/>	25	Proper operation of all existing smoke / carbon monoxide alarms has been verified.
<input type="checkbox"/>	26	Branch circuit breakers are to be checked for compatibility with panel board. i.e. Siemens breakers are not approved for use in Cutler Hammer panels etc.
<input type="checkbox"/>	27	Ensure all circuits comply with rules 2-200 and 2-300 for complete electrical safety.

Ground Electrode Type	
Ground Electrode Location	
Gas Bond Location	
Comm. Bond Location	
Water Bond Location	

Notes: