

<b>ELECTRICAL INSPECTION BULLETIN</b>	<b>Bulletin no.</b>	<b>2-5-1</b>
	<b>Effective date:</b>	<b>June 1<sup>st</sup>, 2020</b>
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The following are minimum requirements that an electrical contractor shall be responsible for when a wiring permit is obtained for a service entrance, changeover, upgrade, or relocating of a structure:



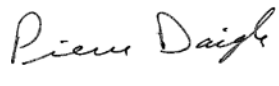
- 1) Fuse Panels
  - All fuses shall be sized according to the conductor size and to the load.
  - All terminations shall be checked for tightness.
  - Proper fuse holders shall be used for all 208/240 volt loads or for split wired receptacles, dryers, ranges, DHWT, etc.
  - Replace broken or corroded fuse holders.
  - Interior trim shall be installed if missing.
  - Panelboards shall be installed in a suitable location.
  
- 2) Breaker Panels
  - Size breakers according to the conductor size and to the load.
  - All terminations shall be checked for tightness.
  - Two pole breakers shall be used for all 240/208 volt loads or for split wired receptacles, dryers, ranges, DHWT, etc.
  - Replace broken or corroded breakers.
  - Panelboards shall be installed in a suitable location.
  
- 3) If any new circuits are added or existing circuits modified they must meet the current Canadian Electrical Code enforced at that time of installation.
  
- 4) If the existing wiring method does not contain a ground conductor and 3 wire receptacles are now installed, the following shall be completed;
  - (a) Each receptacle shall be protected by a GFCI of the Class A type that is an integral part of this receptacle; or
  - (b) Each receptacle shall be supplied from a receptacle containing a GFCI of the Class A type; or
  - (c) Each receptacle shall be supplied from a circuit protected by a GFCI of the Class A type.
  
- 5) If an existing receptacle is located on the exterior of a building or in a bathroom or washroom within 1m of a washbasin, bathtub or shower stall, then a GFCI breaker or receptacle shall be installed to provide protection.
  
- 6) The contractor is responsible for providing a service grounding electrode (2 - 10' rods spaced 3.0 m apart or 1 – plate buried at least 600 mm below finished grade) if a metal water main is not available. The ground clamp used for these items shall be copper, bronze or brass.
  
- 7) The contractor is responsible for the bonding of any water piping, and gas piping (propane or natural gas) if the piping is of metal, with a minimum #6 AWG green conductor. The ground clamp used for these items shall be copper, bronze or brass.

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- 8) The contractor is responsible to ensure the electrical meter is installed away from combustible gas discharge pipes (at least 3m from propane relief valves and 1m from natural gas regulators).
- 9) The contractor is responsible for draining and sealing the service conduit.
- 10) The contractor is responsible for labeling all overcurrent devices.
- 11) The contractor is responsible to ensure adequate space for overcurrent devices is provided in new panel.
- 12) The contractor is responsible to ensure all branch circuit conductors do not enter the main breaker compartment.
- 13) The contractor is responsible to ensure that all knockout plugs and filler plates are installed.
- 14) The contractor is responsible to ensure proper termination and splicing of ALL existing aluminum conductors with special attention to joint compound, devices and twist-on wire connectors approved for aluminum.

The Electrical Contractor shall comply with all of the foregoing Canadian Electrical Code items.

If in violation, an Order of Compliance will be issued to the electrical wiring permit holder.

<b>Bulletin no.: 2-5-1</b>			<b>Reviewed by:</b>	<b>Grady Briggs</b> 	<b>Date</b> February 1 <sup>st</sup> , 2020
<b>Prepared by:</b>	Pierre Daigle 	<b>Date</b> February 1 <sup>st</sup> , 2020	<b>Approved by:</b>	Pierre Daigle 	<b>Date</b> June 1 <sup>st</sup> , 2020