

March 1, 2025

## 2024 C.E. CODE - CONTRACTOR QUESTIONS

**Question:** Do contractors have to label the whole panel when they only add one circuit or affect one circuit?

**Answer:**

2-100 (4) requires panel schedules to be completed (as per subrule 3) when feeders or branch circuits are added, removed, or modified at an existing panelboard. This means Electrical Inspectors will be looking for a completed panel schedule. Check with the local Electrical Inspector to ascertain what level of detail they expect.

**Question:** Do we really need a ground (bond) ring for a hot tub?

**Answer:**

Yes, in instances where a hot tub is placed on a conductive surface. 8-058 (3)(c) is very clear that conductive hot tub pool decks and other perimeter surfaces shall be bonded by means of a bare copper conductor of a minimum No. 6 AWG, such that securement around the pool is made 450 mm to 600 mm from the outer contour of the pool shell at a depth of 100 mm to 150 mm below grade. Take notice that the Appendix B note goes on to list materials that are non-conductive. If you believe your installation is exempt from the bond ring, it is recommended you explain the installation to the local Electrical Inspector before starting the work.

**Question:** How do we meet the grounding requirements of 68-058(3)(c) for a new(or replacement) hot tub on an existing cement pad?

**Answers:**

- Install non-conductive materials 1.5 m wide around the perimeter of the tub.
- Cut the grid in.
- Ask your local Electrical Inspector.

**Question:** When do I start to add the loop (bond ring) around the hot tub?

**Answer:**

The 2024 Canadian Electrical Code was adopted in Saskatchewan March 1, 2025, and will be enforced starting June 1, 2025

**Question:** If a hot tub is on dirt or a concrete pad with a 30 inch wooden walkway around the tub will I need a wire loop (bond ring) around it?

**Answer:**

Yes, in this specific circumstance. A wooden walkway is not conductive and does not need to be bonded, but the wooden walkway must extend at least 1.5 m (5 feet) from the edge of the tub. There may be other factors involved, so it is always best to consult with your Local Electrical Inspector before any hot tub project starts to ensure CEC compliance.

**Question:** Do we still need to GFI outside plugs if they are for block heaters?

**Answer:**

Yes. 26-704 (2) requires all outdoor 15 and 20 amp receptacles to be GFCI protected. While the Appendix B note does acknowledge that specific heaters may leak up to 4 mA for the first 10 minutes after power-up, no exemptions are made anywhere in the CEC to allow for their removal in the case of vehicle block heaters. If a GFCI is tripping when a vehicle block heater is plugged in, the GFCI is likely doing its job, and there is an issue with the connected extension cord, or with the heater itself, the cords and/or heater should be repaired/replaced.

**Question:** Do we have to drop a ground plate at f-cabinets and utility transformers?

**Answer:**

No, grounding is to occur in customer owned service equipment with the interconnection through the bond conductor to the equipotential ground plate.

**Question:** Are EVEMS's allowed in a multi-family dwelling's panel to serve an EV receptacle? (4 to 12-plexes)

**Answer:**

Yes. There is no rule in the CEC which prohibits the installation of EVEMS in a panel of a multi-family dwelling unit.

**Question:** When does Inspections want the service calculation attached to the permit?

**Answer:**

A load calculation is not required to be attached to a permit. The expectation of Inspections is that load calculations are available if required by the local Electrical Inspector. Any contractors can attach a load calculation to their permit if they desire, at any point. When any large load is added, your Local Electrical Inspector may require a load calculation as well.

**Question:** Will you roll this out again shortly before or after you officially accept the code?

**Answer:**

Yes, via electronic learning accessible through the TSASK website.