

HOMEOWNER PERMIT HOLDERS

THE 2021 CANADIAN ELECTRICAL CODE HAS BEEN ADOPTED AS OF NOVEMBER 1, 2021

1. If you are installing receptacles in a dwelling unit, they are required to be Combination (Series and Parallel) Arc-Fault Circuit Interrupter (AFCI) protected. When adding a receptacle(s) to an existing circuit, Combination AFCI protection can be provided by:

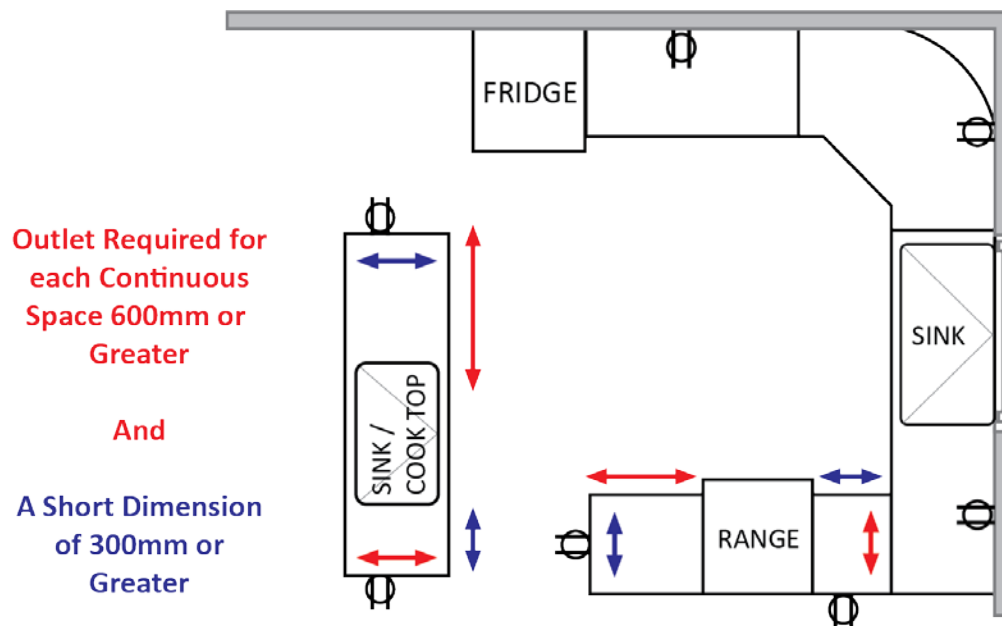
- a) Installing an AFCI Outlet Type Protector at the existing receptacle location and feeding the new receptacle(s) from the load side of the AFCI,
- b) Installing armoured cable to an AFCI faceless Outlet Type Protector at the panel and then feeding the new circuit from the load side,



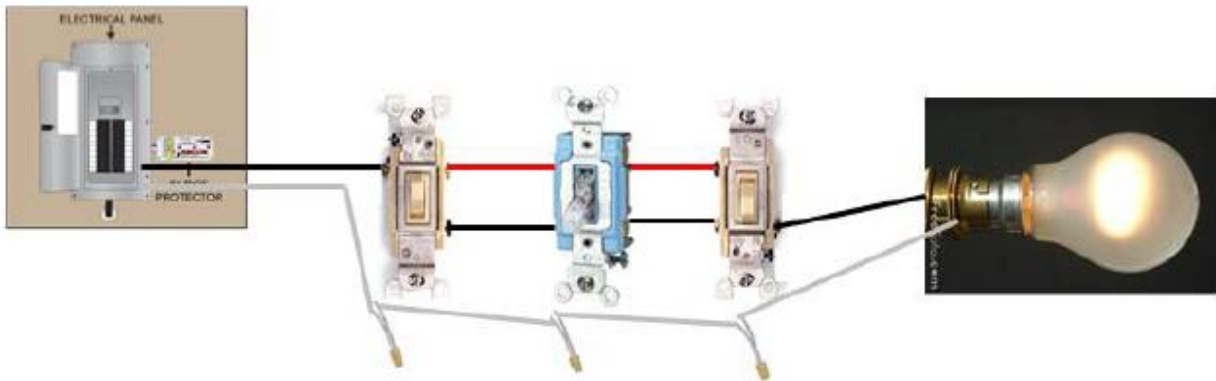
- c) Installing an AFCI breaker in the panel and feeding the old circuit, or
- d) Installing an AFCI breaker in the panel and feeding a new circuit.



2. If you are installing new wiring in a renovation or addition to a Dwelling Unit (Note – this includes an attached garage **but excludes a detached garage or accessory building**).
 - All new general purpose receptacle circuits are required to be AFCI protected,
 - Exemptions to this rule are limited to fridges and freezers on separate circuits (when labeled as such), island, counter, peninsula, and bathroom wash basin duplex receptacles. Also exempt are single receptacles feeding sump pumps, septic pumps, central heating and or other related equipment, provided the circuit or receptacle does not supply any other receptacles or equipment.
 - A maximum of 12 general purpose outlets are permitted on one 15A circuit or 16 on a 20A circuit, and
 - Lighting may be fed from an AFCI protected circuit but is not required to be fed from an AFCI circuit.
3. If you are planning to install wiring in an eating area as part of a kitchen, the receptacles will be required to be spaced so that no point along the baseboard is more than 1.8m horizontally from a receptacle, and this separate circuit will also require AFCI protection.
4. Islands and peninsulas are also required to have receptacles installed with locations determined by the size and equipment installed. Each continuous counter space measuring at least 600mm x 300mm will require an outlet.

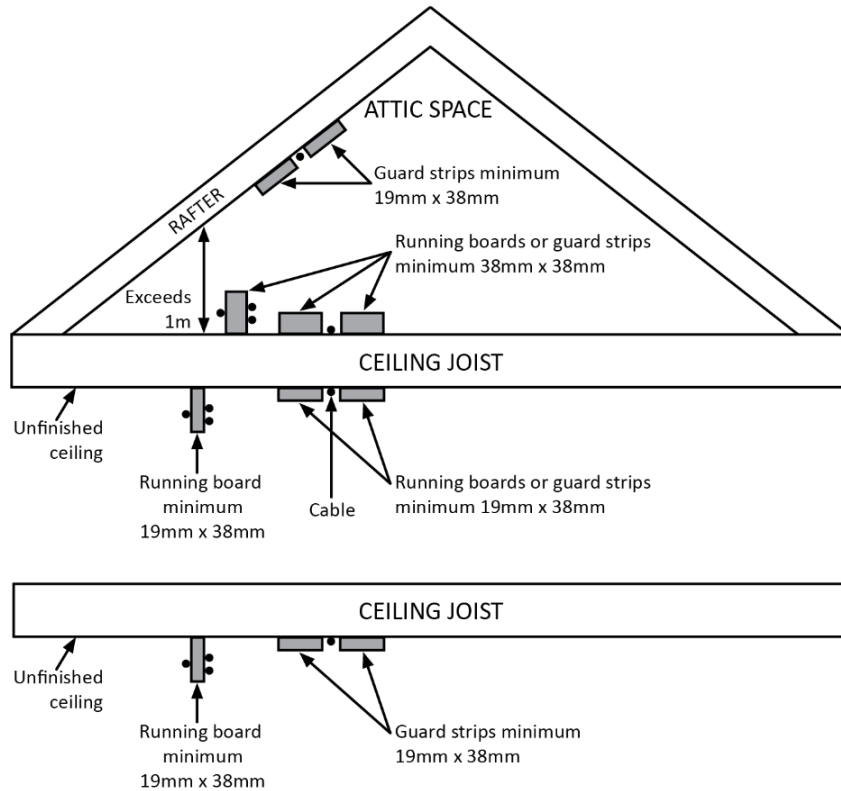


- When wiring switches for lighting, a neutral is required at all switch locations.



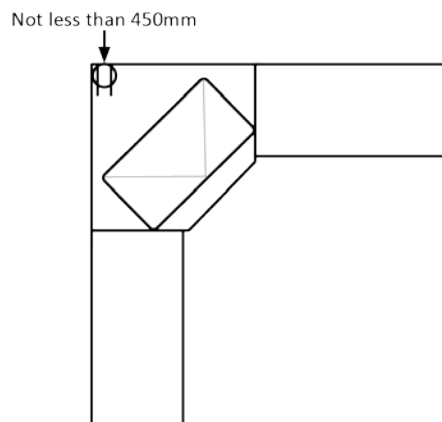
- All exterior receptacles are required to be GFCI protected and all those on the residential dwelling unit will also require AFCI Protection. This can be met with a single AFCI/GFCI breaker or with an AFCI breaker and a GFI outlet.
- If running cables in attics, or on the under sides of joists or along walls, cables must be protected: Cables run in non-concealed locations, the upper or lower faces of rafters, on the lower faces of ceiling joists, less than 1.5 m above the floor or on the open face of wall studs, shall be protected by installing running boards, guard strips or other means of adequate protection, E.g., 19mm x 38mm (3/4" x 1 1/2").

RUNNING BOARDS AND GUARD STRIPS



- When putting receptacles near sinks, no receptacle can be located directly behind a sink unless the space from the inside edge to receptacle is at least 450mm (E.g., in corner sink installations). Don't forget, 15-amp and 20-amp receptacles within 1.5m of a sink must be GFI protected:

RECEPTACLES BEHIND SINKS



Ensure you are aware of all new Code requirements effective November 1, 2021.

Please contact your local Inspector regarding a rough-in inspection PRIOR to closing in your installation.