
CURRENT CODE CYCLE

2023 National Electrical Code

COMMON CODE QUESTIONS:

Is GFCI protection required on electric ranges?

Maine adopted NEC Article 210.8 D as written with the exception for those specific appliances listed in 210.8(D)(8) Electric Ranges, (9) Wall-mounted ovens and (10) Counter-mounted cooking units.

Is Ground-fault protection of equipment required? GFPE

Yes! The NEC Article 230.95 is where you'll find the requirements for GFPE protection. To go even further 230.95 (C) states the GFPE system must be performance tested when first installed by qualified personnel. This test must be documented and the document must be available for the State of Maine Electrical Inspectors for review.

STATE OF MAINE ELECTRICIANS EXAMINING BOARD FALL 2025 NEWSLETTER

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DID YOU KNOW!!??

NEC 230.71(B) requires the use of barriers in service equipment with multiple disconnects, specifically when there are two to six service disconnecting means. It requires that these disconnects, whether in separate enclosures, panelboards, or switchboards, be physically separated by barriers to ensure safety. This prevents accidental contact with energized parts when working on one disconnect while others are still live.

Two to Six Disconnects: Section 230.71(B) allows for up to six service disconnecting means for a single service, provided certain conditions are met.

Physical Separation: The key requirement is that these disconnects must be separated by barriers.

Safety: These barriers isolate each disconnect, ensuring that when one is de-energized for maintenance, the others remain isolated, preventing accidental contact with energized parts.

Examples: This can be achieved through separate enclosures, panelboards with individual disconnects, or switchboards with barriers between vertical sections.



(EXAMPLE OF A LISTED GFPE DEVICE)

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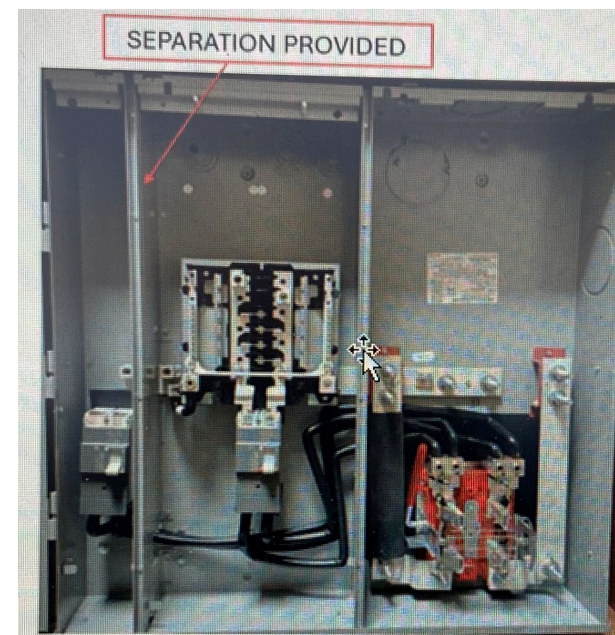
Common NEC Violations...

Panelboards and Switch gear are not properly labeled with a circuit directory

[408.4 (A)] Requires a circuit directory for panelboards, switchboards, and switchgears to clearly and permanently identify each circuit. This directory must be legible and describe each circuit's purpose or use, including any spare positions.

Working space clearance and access to egress in electrical rooms are not met

[110.26] Open equipment doors shall not impede access to and egress from the working space. Access or egress is impeded if one or more simultaneously opened equipment doors restrict the working space access to be less than 24 inches wide and 6 ½ feet high.



Example of a listed enclosure with barriers

So...you want your license?

If you're a helper / apprentice, journeyman or limited electrician we highly recommend you document your working hours and have those hours verified by the master electrician whose license you are working under. That way when you apply for your exam your hours will be documented. If you have licensing or exam questions you can email: electrician.board@maine.gov and one of our representatives will get back to you.

Applications, forms for exams can be found at:
<https://www.maine.gov/pfr/professionallicense>

Permits!?!?!?

Lately there's been some confusion about when/ what electrical installations require a State Permit. A permit is required for all commercial electrical installations this includes multi-family dwellings (two units or more). All temporary services require a permit. A permit is not needed for a single-family dwelling this includes any structures that support the dwelling unit (i.e. garages / sheds) For single family dwellings the licensed electrician signs the CMP 1360 form for connection of the service.

For more information on Maine's laws and rules for electrical installations :

<https://www.maine.gov/pfr/professionallicensing/professions/electricians/home/laws-rules>

Single Family Dwellings

The state of Maine electrical inspectors provide what is called a Single Family Dwelling Certification. This is where a homeowner wants to wire their own home. **This applies to a brand new stick built single family dwelling where it is the homeowners primary residence only.** If this home contains an ADU (accessory dwelling unit) it is now considered a multi unit and the installation has to be performed by an electrician. We only allow connection once the electrical system is 100% completed and has passed inspection. If you install a service for a homeowner and sign the 1360 you are responsible for the entire electrical installation.

Electrician s' Examining Board

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