
CURRENT CODE CYCLE

2023 National Electrical Code

COMMON CODE QUESTIONS:

What is the requirement for the emergency disconnects?

NEC 230.85 says emergency disconnects are required **for one- and two-family dwellings**. The emergency disconnects must be installed in a readily accessible location and within sight of the dwelling unit. The State of Maine takes this requirement a bit further by requiring that the emergency disconnect must be within 50 ft of the dwelling unit and must be the service disconnect.

Is surge protection required?

Yes! The NEC says surge protection in dwelling units, dormitory units, guest rooms and suites (hotels & motels), areas of nursing homes and limited care facilities used exclusively as a patient sleeping room.



Example of a listed surge protector as required by NEC Sections 230.67, 215.18 & 225.42.

STATE OF MAINE ELECTRICIANS EXAMINING BOARD 2025 NEWSLETTER

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DID YOU KNOW!!!??

NEC Article 110.24 requires that service equipment in non-dwelling units be legibly marked with the maximum available fault current and the date the fault current calculation was performed.

Purpose of marking:

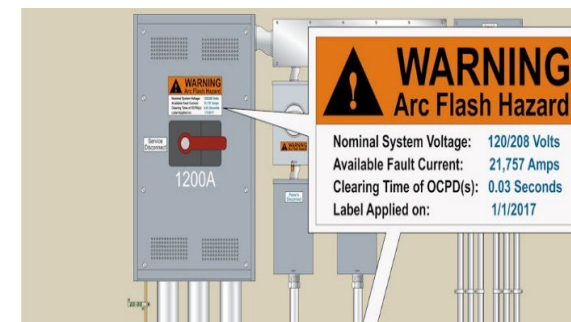
The marking helps ensure that equipment is selected and used appropriately for the available fault current, complying with NEC 110.9 and 110.10.

Modifications:

If modifications are made to the electrical system that affect the available fault current, the marking must be updated accordingly.

Available from utilities:

Values of available fault current are often provided by the utility company.



What is AIC Rating?

(Ampere interrupting capacity) Is the maximum amount of fault current that a circuit breaker or fuse can safely interrupt without damage

Have a licensing Question?

There are many times throughout your technical career that you may have a question about your license or have to update your information with the State of Maine and need to be pointed in the right direction. When those questions arise that are licensing-centric and you need assistance, please contact our office via email at electrician.board@maine.gov and one of our representatives will get back to you.

Applications, forms for exams and permits as well as a link to Maine's Laws and Rules and the memorandums of understandings (MOU) explaining agreements with the Plumbing and Fuel Boards are available on our website: <https://www.maine.gov/pfr/professionallicense>

Common NEC Violations...

Multiple NM cables installed or "stuffed" into a conduit entering a panel board (Stuff Tubes).

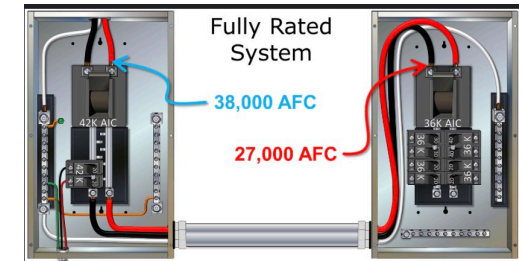
[312.5(C)] When using cable, each cable must be secured to the cabinet, box or enclosure. However, the exception to this article does allow cables with nonmetallic sheaths only to enter the top of a cabinet through a non-flexible conduit if ALL 7 conditions are met.

GFCI protection not installed on receptacles that are 250 volts at dwellings, or receptacles installed in other than dwellings that are 250 volts.

[210.8 (A)&(B)] The branch circuit for these receptacles must be 150 volts or less to ground and 50 amps or less. These are required at all locations as listed in the above article.

Why is it important?

The NEC Section 110.9 requires that overcurrent devices have sufficient AIC rating to safely interrupt fault currents that may occur in an electrical system



Reciprocity?

You have an electrician's license from another state. Can you do electrical installations in Maine?

New Hampshire, Oregon, Idaho, North Dakota and Vermont have reciprocity agreements with Maine. An online application may be submitted <https://licensing.web.maine.gov/cgi-bin/online/licensing/begin.pl?boardnumber=4220>

or you can download an application and mail it to the board. **It is very important to provide proof of licensure from the State you are licensed in** and mail it in with your application.

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