

BULLETIN 2007-02-EL

APRIL 19, 2007

CLARIFICATION OF RULE 2-306 IN THE 20TH EDITION OF THE CE CODE ADOPTED FOR USE IN BC

This Bulletin clarifies the requirement of Rule 2-306 "Shock and flash protection" which was added to the 2006 CE Code. The referenced CE Code requirement is intended to provide adequate warning of potential arc flash hazard to qualified persons involved in the maintenance of live electrical equipment where it is permitted under provisions of Rule 2-304. Rule 2-306 of the CEC reads as follows:

- 1) *"Electrical equipment such as switchboards, panelboards, industrial control panels, meter socket enclosures, and motor control centres that are installed in other than dwelling units and are likely to require examination, adjustment, servicing, or maintenance while energized shall be field marked to warn persons of potential electric shock and arc flash hazards.*
- 2) *The marking referred to in Subrule (1) shall be located so as to be clearly visible to persons before examination, adjustment, servicing, or maintenance of the equipment."*

Appendix B Note on this Rule references applicable NFPA, ANSI and IEEE standards - to assist in determining severity of potential exposure to arc flash and in calculating the arc flash hazard distance based on the incident energy to which workers may be exposed. Appendix B Note on Rule 2-306 reads as follows:

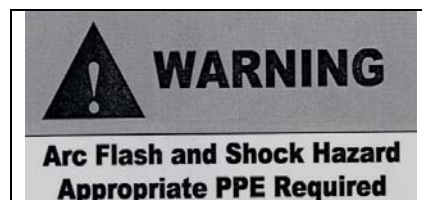
"NFPA 70E-2004, Electrical Safety in the Workplace, provides assistance in determining severity of potential exposure, planning safe work practices, and selecting protective equipment to protect against shock and arc flash hazards.

ANSI Z535.4-2002, Product Safety Signs and labels, provides guidelines for the design of safety signs and labels for application to products.

IEEE 1 584-2002, guide for performing Arc-Flash Hazard Calculations, provides assistance in determining the arc flash distance and incident energy that workers may be exposed to from electrical equipment."

Thus, for the purpose of compliance with Rule 2-306 a sign or a label provided with the warning of potential arc flash hazard and permanently and legibly attached to a piece of electrical equipment in the field is deemed to be sufficient.

This sign or label is intended to be provided by an installing electrical contractor, however warning signs or labels provided by the electrical equipment manufacturers are also acceptable for this purpose. A typical example of an acceptable warning sign or label is shown below:



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