

WAC 296-46B-240 Overcurrent protection.

024(C) Not exposed to physical damage.

(1) Where the NEC or manufacturer's instructions do not specify minimum height requirements for equipment enclosures, enclosures installed outdoors containing an overcurrent device(s) shall be installed so the bottom of the enclosure containing the overcurrent device(s) is not less than 24 inches above finished grade unless:

(a) The equipment enclosure or listed equipment on which the enclosure is mounted is approved for pad-, floor-, ground-, dock-, or pier-mounting; or

(b) The equipment enclosure is located over concrete or asphalt paving that extends three or more feet horizontally from the surface of the enclosure.

024(F) Not located over steps.

(2) If the overcurrent device is a part of a panelboard that is being repaired or replaced in an existing location, the installation is allowed to be made above the steps.

067(C) Performance testing.

(3) Where fuses rated 1,200 amperes and higher are installed, the following shall be available to the inspector at the installation site at the time of inspection prior to placing the equipment into service:

(a) Documentation of all calculations used to determine available arcing current at each set of fuses rated 1,200 amperes and higher and documentation proving a clearing time of 0.07 seconds or less at the available arcing current;

(b) A copy of the written performance test report for the arc energy reduction protection system detailing results for tests for each set of fuses supplying known loads. The report shall include all of the following:

(i) The date when tests were performed.

(ii) Address of the property where tests were performed.

(iii) The business name and contact information for the employer of persons performing tests.

(iv) Names and dated signatures of all persons performing the tests.

(v) Documentation of all calculations used to determine available arcing current at each set of fuses rated 1,200 amperes and higher.

(vi) Documentation required by 240.67(A) and documentation of all equipment settings made or verified during testing.

(vii) A copy of the equipment manufacturer's instructions used to perform the test.

(viii) Documentation of all testing equipment including dates of calibration.

087(C) Performance testing.

(4) Where the highest continuous current trip setting for the actual overcurrent device installed in a circuit breaker is rated or can be adjusted is 1,200 amperes or higher, a copy of the written performance test report for the arc energy reduction protection system detailing results for tests for each device with a known load. The report shall be available to the inspector at the installation site at the time of inspection prior to placing the equipment into service. The report shall include all of the following:

(a) The date when tests were performed.

(b) Address of the property where tests were performed.

(c) The business name and contact information for the employer of persons performing tests.

(d) Names and dated signatures of all persons performing the tests.

(e) Documentation of all calculations used to determine available arcing current at each circuit breaker described in subsection (4) of this section.

(f) Documentation required by 240.87(A) and documentation of all equipment settings made or verified during testing.

(g) A copy of the equipment manufacturer's instructions used to perform the test.

(h) Documentation of all testing equipment including dates of calibration.

[Statutory Authority: Chapter 19.28 RCW, RCW 19.28.031 and 19.28.251. WSR 24-05-085, § 296-46B-240, filed 2/21/24, effective 4/1/24. Statutory Authority: Chapter 19.28 RCW, RCW 19.28.010 and 19.28.031. WSR 17-12-021, § 296-46B-240, filed 5/30/17, effective 7/1/17. Statutory Authority: Chapter 19.28 RCW. WSR 13-03-128, § 296-46B-240, filed 1/22/13, effective 3/1/13. Statutory Authority: RCW 19.28.006, 19.28.010, 19.28.031, 19.28.041, 19.28.061, 19.28.101, 19.28.131, 19.28.161, 19.28.171, 19.28.191, 19.28.201, 19.28.211, 19.28.241, 19.28.251, 19.28.281, 19.28.311, 19.28.321, 19.28.400, 19.28.420, 19.28.490, 19.28.551. WSR 08-24-048, § 296-46B-240, filed 11/25/08, effective 12/31/08.]