

**WAC 296-78-745 Electrical equipment.** (1) All exposed current-carrying parts except conductors, connected to circuits above three hundred volts to ground must be isolated, insulated, or guarded so that no employee can come in contact with them. Exposed parts less than 300 volts must be protected in some suitable way against possible accidental contact. Exposed metallic parts of conduit armored cable or molding must be permanently grounded.

(2) Guards for the current-carrying parts of unisolated electrical equipment, such as controllers, motors, transformers, automatic cutouts, circuit breakers, switches, and other devices must consist of cabinets, casings, or shields of permanently grounded metal or of insulating material.

(3) All parts of electrical equipment, such as fuses and the handles and arc chutes of circuit breakers, must be isolated or guarded so that the liability of employees being struck or burned by sparking, flashing or movement during operation is reduced to a minimum.

(4) All exposed noncurrent carrying metal parts of electrical equipment must be permanently grounded. The ground connection through well bonded track rails will be considered satisfactory.

(5) The metallic parts of portable cranes, derricks, hoists, and similar equipment on which wires, cables, chains, or other conducting objects are maintained must be provided with an effective protective ground, where operated in the vicinity of supply lines.

(6) Readily accessible means must be provided whereby all conductors and equipment located in cranes can be disconnected entirely from the source of energy at a point as near as possible to the main current collectors.

(7) Means must be provided to prevent the starting and operation of equipment by unauthorized persons.

(8) The control levers of traveling cranes must be located so that the operator can readily face the direction of travel.

(9) A hoist limiting device must be provided for each hoist.

(10) All fuses must be of the enclosed arcless type.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-16-132, § 296-78-745, filed 8/1/17, effective 9/1/17. Statutory Authority: RCW 49.17.040, 49.17.050 and 49.17.240. WSR 81-18-029 (Order 81-21), § 296-78-745, filed 8/27/81.]