

**WAC 296-96-18050 Stop switches and protective devices.** (1) All electric boat launching elevators shall be equipped with:

(a) A bottom terminal stop switch operated by the traveling cable and a float or some other department approved mechanism;

(b) A top terminal stop switch that is located in the hoistway and is operated either by a cam attached to the car or some other department approved mechanism; and

(c) Key-operated, continuous pressure type operating switches that are located outside the hoistway but within sight of the elevator car or platform.

(2) All boat launching elevators operated by a winding drum, shall be equipped with a final stop switch that is located on and operated directly by the driving machine. Chains, ropes or belts shall not drive final stop switches.

(3) All boat launching elevators driven by a polyphase alternating current motor shall be equipped with the following approved relays:

(a) A reverse phase relay that prevents the driving machine motor from starting when either the phase rotation is in the wrong direction or there is a phase failure; and

(b) A main line relay or contact that automatically stops power to the driving machine motor and brake, activating the brake when any safety device is activated.

(4) Hand rope controls shall not be used on any boat launch elevator.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-18050, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-18050, filed 12/22/00, effective 1/22/01.]