

WAC 296-78-790 Crane platforms and footwalks. (1) Platforms must be provided when changing and repairing truck wheels on end trucks.

(2) A platform or footwalk must be located on a crane or crane runway to give access to the crane cage, and it must be accessible from one or more stairways or fixed ladders. This platform or footwalk must be not less than eighteen inches in width.

(3) Where stairways are used to give access to platforms, they must make an angle of not more than fifty degrees with the horizontal and must be equipped with substantial railing. If ladders are used to give access to platforms they must extend not less than thirty-six inches above the platform. Railed stairways or ladders to be used as a means of ingress and egress to crane cages must be located at either or both ends.

(4) A footwalk must be placed along the entire length of the bridge on the motor side, and a short platform twice the length of the trolley placed at one end of the girder on the opposite side, with a vertical clearance of a least six feet six inches where the design of crane or building permits, but in no case must there be less than four feet clearance. For hand operated cranes the footwalk must not be required to be installed on the bridge of the crane, but there must be a repair platform equal in strength and design to that required for motor operated cranes, installed on the wall of the building or supported by the crane runway at a height equal to the lower edge of the bridge girder to facilitate necessary repairs.

(5) Clear width of footwalks must not be less than eighteen inches except around the bridge motor where it may be reduced to fifteen inches.

(6) Footwalks must be of substantial construction and rigidly braced. Footwalks for outside service must be constructed so as to provide proper drainage, but the cracks between the boards must not be wider than one-fourth inch.

(7) Every footwalk must have a standard railing and toeboard at all exposed edges. Railings and toeboards must conform in construction and design with the following requirements:

(a) Railings must be not less than thirty-six inches nor more than forty-two inches in height, with an additional rail midway between the top rail and the floor.

(b) Pipe railings must be not less than one and one-fourth inch inside diameter if of iron or be not less than one and one-half inches outside diameter if of brass tubing.

(c) Metal rails other than pipe must be at least equal in strength to that of one and one-half by three-sixteenths inch angle and must be supported by uprights of equal strength.

(d) Posts or uprights must be spaced not more than eight feet center to center.

(e) Toeboards must be not less than four inches in height.

(f) Toeboards must be constructed in a permanent and substantial manner of metal, wood, or other material equivalent thereto in strength. Where of wood, toeboards must be at least equal in cross section to one inch by four inches; where of steel at least one-eighth inch by four inches; where of other construction at least equal to the requirements for steel. Perforations up to one-half inch are permissible in metal toeboards.

(8) No openings must be permitted between the bridge footwalk and the crane girders. Where wire mesh is used to fill this opening the mesh openings must not be greater than one-half inch.

(9) All footwalks and platforms must be designed to be capable of sustaining a concentrated load of one hundred pounds per lineal foot.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-16-132, § 296-78-790, 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), § 296-78-790, filed 8/27/81.]