

WAC 296-24-23503 General requirements. (1) **Application.** This section applies to overhead and gantry cranes, including semigantry, cantilever gantry, wall cranes, storage bridge cranes, and others having the same fundamental characteristics. These cranes are grouped because they all have trolleys and similar travel characteristics.

(2) **New and existing equipment.** You must ensure that all new overhead and gantry cranes constructed and installed on or after the effective date of these standards meet the design specifications of the American National Standards Institute, Safety Code for Overhead and Gantry Cranes, ANSI B30.2.0-1967. Overhead and gantry cranes constructed before the effective date of these standards, should be modified to conform to those design specifications, unless it can be shown that the crane cannot feasibly or economically be altered and that the crane substantially complies with the requirements of this section. (See chapter 296-900 WAC, Administrative rules, for information on applying for a variance.)

(3) **Modifications.** Cranes may be modified and rerated provided such modifications and the supporting structure are checked thoroughly for the new rated load by a qualified engineer or the equipment manufacturer. You must test the crane in accordance with WAC 296-24-23521(2). You must display new rated load in accordance with (5) of this section.

(4) **Wind indicators and rail clamps.**

(a) You must provide outdoor storage bridges with automatic rail clamps. You must provide a wind-indicating device which will give a visible or audible alarm to the bridge operator at a predetermined wind velocity. If the clamps act on the rail heads, you must ground off any beads or weld flash on the rail heads.

(b) You must base calculations for wind pressure on outside overhead traveling cranes on not less than 30 pounds per square foot of exposed surface.

(5) **Rated load marking.** You must plainly mark the rated load of the crane on each side of the crane, and if the crane has more than one hoisting unit, each hoist must have its rated load marked on it or its load block. You must ensure that the rated load marking is clearly legible from the ground or floor.

(6) **Clearance from obstruction.**

(a) You must provide and maintain minimum clearance of 3 inches overhead and 2 inches laterally between crane and obstructions in conformity with Specification No. 61 Crane Manufacturers Association of America, Inc., 8720 Red Oak Blvd., Suite 201, Charlotte, NC 28217.

(b) Where passageways or walkways are provided you must not place obstructions so that safety of personnel will be jeopardized by movements of the crane.

(7) **Clearance between parallel cranes.** If the runways of two cranes are parallel, and there are no intervening walls or structure, you must ensure that there is adequate clearance provided and maintained between the two bridges.

(8) **Designated personnel.** You must ensure that only designated personnel are permitted to operate a crane covered by this section.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 18-03-159, § 296-24-23503, filed 1/23/18, effective 2/23/18; WSR 15-24-100, § 296-24-23503, filed 12/1/15, effective 1/5/16; WSR 07-03-163, § 296-24-23503, filed 1/24/07, effective 4/1/07. Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. WSR 01-11-038, § 296-24-23503, filed 5/9/01, effective

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