

**WAC 296-96-24645 Car construction.** (1) The car shall be built to the following specifications:

(a) The car platform shall be no greater than 30 in. on either side (6.25 ft<sup>2</sup>);

(b) The car frame and platform shall be of steel or sound seasoned wood construction and be designed with a safety factor of not less than 4 for metal and 6 for wood, based on a maximum capacity of 250 lbs.;

(c) All frame members shall be securely bolted, riveted or welded and braced. If bolted, lock washers or lock nuts shall be used;

(d) Where wooden frame members are bolted, large washers or metal plates shall be used to minimize the possibility of splitting or cracking the wood.

(2) The sides of the car shall be enclosed by a minimum of 2 safety guard rails with the top rail not less than 36 in. nor more than 42 in. from the car floor. Rails shall be capable of sustaining a horizontal thrust of 250 lbs. If solid material is used, it shall be smooth surfaced and not less than 1/2 in. thickness, if wood; not less than 16 gauge thickness, if steel; and shall be constructed from the car floor to a height of not less than 3 ft.

(a) Where the hoistway is not enclosed on the entrance side of the car, a self-locking or drop bar gate shall be provided. The car gate may be of the folding type, horizontally swung, provided it swings into the car enclosure. Drop bar gates shall be of two bar construction, parallelogram type, and conform to requirements specified for car guard rails.

(b) The car gate shall drop into locking slots or be provided with a positive locking type latch capable of withstanding a 250 lb. horizontal thrust.

(3) Every car shall have a substantial protective top. The front half may be hinged. The protective top shall be made from No. 9 U.S. wire gauge screen, No. 11 gauge expanded metal, No. 14 gauge sheet steel, 3/4 in. or heavier plywood. If made of wire screen or metal, the openings shall reject a 1/2 in. diameter ball.

(4) Every car shall have a proper rack to hold the balance weights. Weights shall be contained in the proper rack when the car is in motion.

(5) A sign bearing the following information shall be conspicuously posted within the car:

(a) Total load limit in pounds;

(b) "Maximum capacity one person"; and

(c) "For authorized personnel use only."

(6) Every car shall be equipped with a spring loaded foot brake which:

(a) Operates independently of the car safeties;

(b) Operates in both directions and will stop and hold the car and its load; and

(c) Locks the car in its position automatically whenever the operator releases the pressure on the foot pedal.

(7) Every car shall be equipped with a car safety device which:

(a) Applies to the sides of the main guide rails; and

(b) Stops and holds the car and its load immediately when the hoisting rope breaks.

(8) Every car shall have a minimum clearance of 78 in. from the top of the car platform to the bottom edge of the crosshead or any other obstruction.

(9) A tool box with minimum dimensions of 4 in. long x 3 in. deep shall be provided and firmly attached to the car structure.

(10) A fire extinguisher in proper working condition shall be available in the car.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24645, filed 8/31/18, effective 10/1/18.]