- WAC 296-307-25027 Requirements for railing dimensions. Standard railings must meet the following requirements:
 - (1) For wood railings:
- (a) The posts are of at least two inch by four inch nominal stock spaced six feet apart or less; and
- (b) The top and intermediate rails are of at least two inch by four inch nominal stock.
- (c) If the top rail is made of two right-angle pieces of 1-inch by 4-inch stock, posts are spaced on 8-foot centers, with 2-inch by 4-inch intermediate rail.
 - (2) For pipe railings:
- (a) The posts and top and intermediate railings are at least 1-1/2 inches nominal diameter (outside diameter); and
 - (b) The posts are spaced on centers of eight feet or less.
 - (3) For structural steel railings:
- (a) The posts and top and intermediate rails are of 2-inch by 2-inch by 3/8-inch angles or other metal shapes of equivalent bending strength; and
 - (b) The posts are spaced on centers of eight feet or less.
- (4) Post anchors and framing parts for all railings are constructed so that the completed structure can withstand a load of at least two hundred pounds applied in any direction at any point on the top rail.
- (5) Other types, sizes, and arrangements of railing construction that meet the following requirements are acceptable:
 - (a) The top rail is smooth;
- (b) The top rail is between thirty-six and forty-two inches nominal above the floor, platform, runway, or ramp level;
- (c) The railing is strong enough to withstand two hundred pounds of pressure on the top rail;
- (d) The railing provides protection between the top rail and the floor, platform, runway, ramp, or stair treads, equivalent to that of a standard intermediate rail;
- (e) There are no overhanging rail ends unless the overhang does not create a hazard; such as baluster railings, scrollwork railings, or paneled railings.

Note: The dimensions specified are based on the U.S. Department of Agriculture Wood Handbook, No. 72, 1955 (No. 1 (S4S) Southern Yellow Pine (Modulus of Rupture 7,400 psi)) for wood; ANSI G 41.5-1970, American National Standard Specifications for Structural Steel, for structural steel; and ANSI B 125.1-1970, American National Standard Specifications for Welded and Steamless Steel Pipe, for pipe.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050 and 49.17.060. WSR 21-04-128, § 296-307-25027, filed 2/2/21, effective 3/8/21. WSR 97-09-013, recodified as § 296-307-25027, filed 4/7/97, effective 4/7/97. Statutory Authority: RCW 49.17.040, [49.17.]050 and [49.17.]060. WSR 96-22-048, § 296-306A-25027, filed 10/31/96, effective 12/1/96.]