



PLANNING & DEVELOPMENT SERVICES

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DECK WORKSHEET

All exterior deck construction shall be of treated material or engineered wood product designed specifically for exterior application. Deck construction materials shall be termite resistant where required per ASTM D7032 (R507.2.2.3) Design criteria shall be designed for a minimum of 40lb square foot load. Where supported by attachment to an exterior wall, decks shall be positively anchored to the primary structure and designed for both vertical and lateral loads. (R507.8)

Guards

R312.1.1 Guards shall be located along open-sided walking surfaces of all decks, porches, balconies, stairs, ramps and landings that are located more than 30 inches (762 mm) measured vertically to the floor or grade below and at any point where a downward slope exceeds 3V:12H within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a guard.

R312.1.2 Height. Required guards at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) in height as measured vertically above the adjacent walking surface or the line connecting the leading edges of the treads.

Pickets

R312.1.3 Opening limitations. Required guards shall not have openings from the walking surface to the required guard height that allow passage of a sphere 4 inches in diameter.

Deck Post Height (measured to the underside of the beam) Table R507.4 2018 IRC	
4 x 4 post	8' maximum height for 1&2 ply beams (3 ply maximum 6'9")
4 x 6 post	8' maximum height
6 x 6 post	14' maximum height
8 x 8 post	14' maximum height

Post are required to be in concrete or approved anchoring device on a concrete footing. Footings must be a minimum of 12" below undisturbed soil with a minimum width of 12" and a minimum thickness of 6" of concrete. (Typically 12 x 12 by 6" thick)

Post size _____

Guards and Pickets _____

Distance from grade _____

Joist size and type _____ Joist span _____

Beam size and type _____ Beam span _____

Deck Plans shall be submitted with this detail page. They can be hand-drawn.