



Engineered wood boards are to be 1-1/4" min. thickness except as noted below:

1. Only homes which meet prescriptive bracing requirements with braced panels or with continuous sheathing may use rim boards less than 1-1/4" thick ( 1" or 1-1/8" thick APA Performance Rated Rim Boards ), provided that the horizontal joint in the wall plywood sheathing is located at half-depth of the rim boards. Please see attached sketch.
2. Engineered plans designed with shear walls, or diaphragms, transferring more than 180 #/ft. of inplane lateral load require rim boards to be 1-1/4" min. thick, unless structural calculations and detailing is provided to justify thinner rim boards ( 1" or 1-1/8" APA Performance Rated Rim Boards). Such engineering justification to include:
  - a. Reduced shear wall capacities per minimum nail penetration requirements of Table 4.3A SDPWS-15, where plywood is edge nailed to vertical surface of rim boards; ref. 2306.3 2015 IBC.
  - b. Reduced diaphragm capacities per minimum boundary member thickness requirements of Table 4.2C AWC SDPWS-15, with the use of nails no larger than 8d common at 6"o.c. at diaphragm boundary, into rim board. Ref. APA Data File Document Form No. W345J, 2009, and 2306.2 of 2015 IBC.

Minimum Requirements for Manufactured Wood Rim Joists