

Weyerhaeuser NR Company

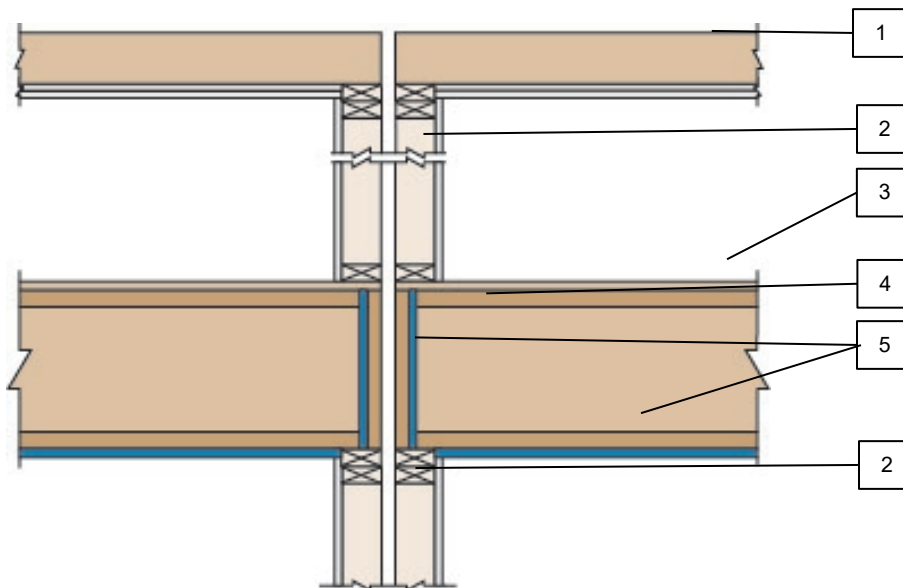
Design No. WNR/RB 60-03

Rim Board

Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL

ASTM E119, CAN/ULC S101

Rating: 1 Hour or 45 Minutes Load Bearing (Double bearing wall with full design load on rim board applied individually to each side of the wall assembly)



1. FLOOR/ROOF: Roof/ceiling or Floor/ceiling Assembly

2. WALL: Fire-resistance Rated Wall Construction

3. FLOOR/CEILING: Floor/ceiling rated or unrated assembly with floor joists running parallel or perpendicular to the wall. Min. 1 3/4 in. I-joists bearing length required. Ceiling membrane as required for Section 5 rim board protection.

4. RIM BOARD:

CERTIFIED PRODUCT: Weyerhaeuser NR, TJ® Rim Board, TimberStrand® LSL

Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions. Discontinuous rim board is permitted at beam penetrations, provided that the end of the rim board and face of the penetrating beam are tightly abutted.

5. RIM BOARD PROTECTION: Rim board is protected by a combination of ceiling membrane and direct-applied protection detailed in the table below items A-J. Attach direct-applied protection to occupancy side of rim board. Rim board protection may be continuous or discontinuous. If I-joists are used, the protection must be notched to fit at the four corners, or the space between the I-joist web and direct-applied protection must be filled with a web stiffener (1/16 in. gap between flange and stiffener).



Attach first layer of gypsum with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. on center (oc), and second layer of gypsum with a min. of four 2 in. Type W screws at a max. spacing of 12 in. oc. Where Type X gypsum is required, Type C may be substituted.

Attach rim board protection per plan.

Item	Direct-applied Protection		Ceiling Membrane Protection		Rating (min)
	Min. Layers	Material	Min. Layers	Material	
A	2	Min. 1/2 in. Type X gypsum	-	-	60
B	1	Min. 5/8 in. Type X gypsum	-	-	45, 60 ⁽¹⁾
C	1	Min. 1-1/8 in. material from section 4	-	-	60
D	1	Min. 1-1/8 in. material from section 4	1	Min. 1/2 in. Type X gypsum	60
E	1	Min. 5/8 in. Type X gypsum	1	Unrated 1/2 in. gypsum	60
F	1	Min. 1/2 in. Type X gypsum	1	Unrated 1/2 in. gypsum	45
G	1	Min. 1/2 in. Type X gypsum	1	Min. 1/2 in. Type X gypsum	60
H	1	Min. 1/2 in. un-rated gypsum or 1-1/2 in. mineral wool batt insulation friction fit in place	1	Min. 5/8 in. Type X gypsum	60
I	-	-	1	Min. 5/8 in. Type X gypsum	45
J	-	-	1 hour rated ceiling of (1) 5/8 in. Type C, (1) 1/2 in. Type C or (2) 1/2 in. Type X gypsum		60

(1) 60 minutes applies only to rim board with vertical load restricted to 55% of design capacity, with the exception of 1-1/8 in. x 16 in. TJ Rim Board and Weyerhaeuser Rim Board which is load restricted to 50% of design capacity.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.