

Weyerhaeuser NR Company

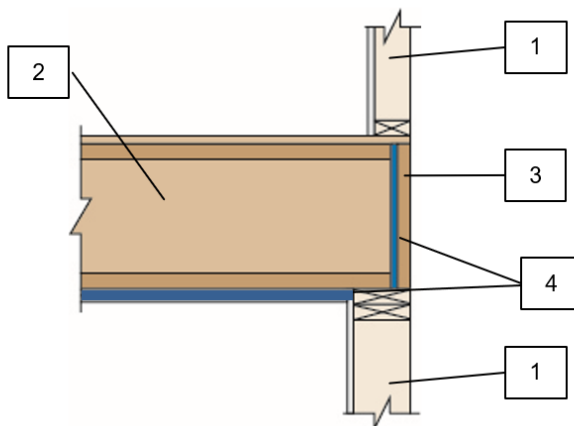
Design No. WNR/RB 60-06

Rim Board

Weyerhaeuser Rim Board, TJ® Rim Board, Microllam® LVL, Parallam® PSL, and TimberStrand® LSL

ASTM E119, CAN/ULC S101

Rating: 1 Hour or 45 Minutes Load Bearing



1. **WALL:** Fire-resistance rated wall construction.
2. **FLOOR:** 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 4 rim board protection.
3. **CERTIFIED MANUFACTURER:** Weyerhaeuser NR Company

CERTIFIED PRODUCT: Rim Board

CERTIFIED MODEL: Weyerhaeuser Rim Board, TJ® Rim Board, Microllam® LVL, Parallam® PSL, and TimberStrand® LSL

Min. 1-1/8 in. thick depth rim board installed in accordance with the manufacturer's published installation instructions. The listed rating is for vertical fire-resistance on the occupancy side of an exterior wall and does not show specific details for cladding on the exterior side of the

vertical wall. Design can be used for interior walls provided equivalent rim board protection is also installed on the opposite side (not shown).

4. **RIM BOARD PROTECTION:** Rim board is protected by a combination of ceiling membrane and direct-applied protection detailed in the table below items A-I. 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 1st layer of gypsum with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc, and 2nd 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. 5/8 in. Type X gypsum	-	-	60
B	2	Min. 1-1/8 in. material from section 3	-	-	60
C	1	Min. 1-3/4 in. material from section 3	-	-	60
D	1	Min. 5/8 in. Type X gypsum	1	Unrated 1/2 in. gypsum	60
E	2	Min. 1-1/8 in. material from section 3	1	Unrated 1/2 in. gypsum	60
F	1	Min. 1-1/4 in. material from section 3	1	Unrated 1/2 in. gypsum	60 ¹
G	1	Min. 5/8 in. Type X gypsum	1	Min. 1/2 in. Type X gypsum	60
H	1	Min. 1-1/8 in. material from section 3	1	Min. 1/2 in. Type X gypsum	60
I	-	-	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
J ²	-	-	1	Unrated 1/2 in. gypsum	45
K	1	Min. 1-1/8 in. material from section 3	1	Unrated 1/2 in. gypsum	45
L	1	Min. 5/8 in. Type X gypsum	-	-	45
M	1	Min. 1-1/8 in. material from section 3	-	-	45 ³

¹ Vertical load restricted to 75% of design capacity for 1-1/8 in. x 16 in. TJ Rim Board and Weyerhaeuser Rim Board and 95% for 1.25 in. thick TimberStrand LSL.

²For 1.75 in. thick TimberStrand LSL up to 18 in. deep, load restricted to a maximum vertical load of 2000 pounds per linear foot (plf) ASD.

³Vertical Load restricted to 45% for TJ Rim Board and Weyerhaeuser Rim Board, 60% for 1.25 in. thick Rim Board and 80% for 1.5 in. thick and greater Rim Board.