



LISTING INFORMATION OF  
**Weyerhaeuser - Rim Board, TJ Rim Board, TJI Rim Joist,  
and TimberStrand LSL**  
SPEC ID: 39709

Weyerhaeuser NR Company  
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Federal Way, WA 98001  
United States

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## LISTING INFORMATION

Weyerhaeuser Rim Board, TJ Rim Board, TJI Rim Joist, and TimberStrand LSL are engineered wood products for use in rim board applications around the perimeter of engineered wood joists. Weyerhaeuser Rim Board and TJ Rim Board are 1-1/8 in. thick (wide) and are available in depths ranging from 9-1/2 to 16 in. TJI Rim Joist is TJI Joist with minimum flange thickness of 1-1/4 in. and width of 1-3/4 in., OSB web of 3/8 in. and depths ranging from 9-1/2 to 24 in. TimberStrand LSL is laminated strand lumber 1-1/4 to 3-1/2 in. thick (wide) and depths of 9-1/2 to 24 in. The products are installed according to the manufacturer's approved installation instructions as center-wall or end-wall fire-rated assemblies. The continuous rim board on top of the wall may be parallel with the floor joists or perpendicular to the joists.

### FIRE RATINGS

Test Standard	Rating	Design Number
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-01
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-02
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-03
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-04
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-05
ASTM E119, CAN/ULC S101	1 Hour or 45 Minutes	WNR/RB 60-06
ASTM E119, CAN/ULC S101	1 Hour	WNR/RB 60-07
ASTM E119, CAN/ULC S101	1 Hour	WNR/RB 60-08
ASTM E119, CAN/ULC S101	2 Hours	WNR/RB 120-01

Attribute	Value
Criteria	CAN / ULC S101 (2007)
Criteria	ASTM E119 (2018)
Criteria	ASTM E119 (2016)
CSI Code	06 17 00 Shop-Fabricated Structural Wood
Listing Section	STRUCTURAL COMPOSITE LUMBER (SCL) - LAMINATED STRAND LUMBER (LSL)
Listing Section	WALL ASSEMBLIES
Spec ID	39709

## DRAWING INDEX

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WNR/RB 60-02

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WNR/RB 60-05

WNR/RB 60-06

WNR/RB 60-07

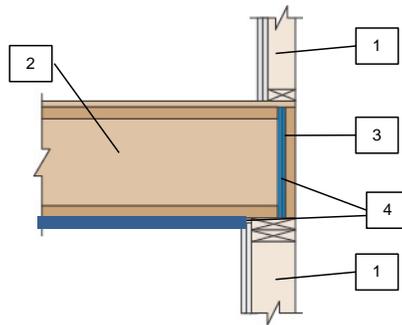
WNR/RB 60-08

# WNR/RB 120-01

Division 06 – Wood, Plastics, and Composites  
 06 17 00 Shop-Fabricated Structural Wood  
 06 17 43 Rim Boards

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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 120-01**  
**Rim Board**  
**Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL**  
**ASTM E119, CAN/ULC S101**  
**Rating: 2 Hour 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, and TimberStrand® LSL

Min. 1-1/8 in. thick 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-E. 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 1<sup>st</sup> layer of gypsum with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc, and 2<sup>nd</sup> 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.

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## WNR/RB 120-01 (2 OF 2)

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Item	Direct-applied Protection		Ceiling Membrane Protection	
	Min. Layers	Material	Min. Layers	Material
A	2	Min. 1/2 in. Type X gypsum	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	
B	2	Min. 1-1/8 in. material from section 3		
C	1	Min. 1-3/4 in. material from section 3		
D	3	Min. 5/8 in. Type X gypsum	-	-
E	1	Min. 3 in. material from section 3	-	-

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# WNR/RB 60-01

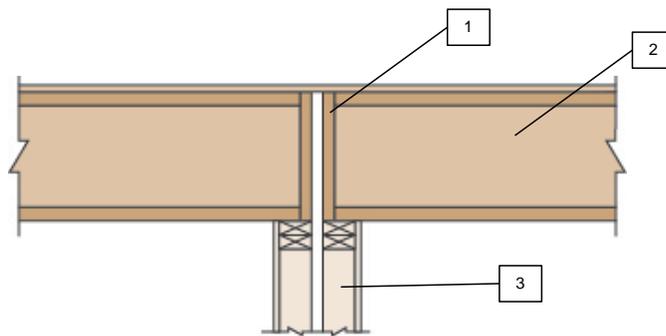
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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 60-01**  
**Rim Board**  
**Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL**  
**ASTM E119, CAN/ULC S101**  
**Rating: 1 Hour or 45 Minutes, Non-Load Bearing**

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**1. CERTIFIED MANUFACTURER:**  
Weyerhaeuser NR Company

**CERTIFIED PRODUCT:** Rim Board

**CERTIFIED MODEL:** Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL

Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions. Rim board only supporting limited roof level application dead load.

**2. ROOF/CEILING:** Ceiling not required. Unrated roof/ceiling assembly with roof joists running parallel or perpendicular to the wall. Min. 1-3/4 in. I-joists bearing length required.

**3. WALL:** Fire-resistance rated wall construction.

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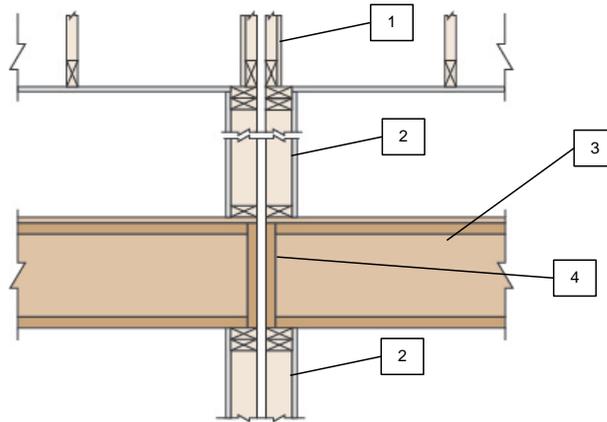


# WNR/RB 60-02

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06 17 00 Shop-Fabricated Structural Wood  
06 17 43 Rim Boards

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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 60-02**  
**Rim Board**  
**Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL**  
**ASTM E119, CAN/ULC S101**  
**Rating: 1 Hour or 45 Minutes, Non-Load Bearing**



- 1. **ROOF/CEILING:** Roof truss or joist running parallel to wall.
- 2. **WALL:** Fire-resistance rated wall construction.
- 3. **FLOOR/CEILING:** Ceiling not required. Unrated floor/ceiling assembly with floor joists running parallel or perpendicular to the wall. Min. 1-3/4 in. I-joists bearing length required.

- 4. **CERTIFIED MANUFACTURER:** Weyerhaeuser NR Company
  - CERTIFIED PRODUCT:** Rim Board
  - CERTIFIED MODEL:** Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL
- Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions. Rim board only supporting limited dead load from wall above.

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# WNR/RB 60-03

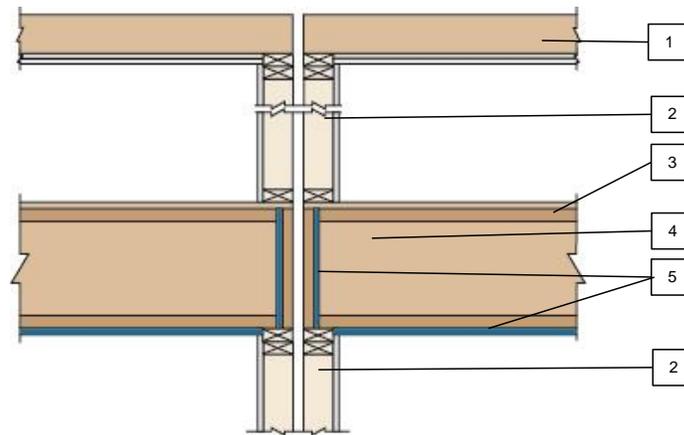


Division 06 – Wood, Plastics and Composites  
 06 17 00 Shop-Fabricated Structural Wood  
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**Weyerhaeuser NR Company  
 Design No. WNR/RB 60-03  
 Rim Board**

**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. **CERTIFIED MANUFACTURER:** Weyerhaeuser NR Company

**CERTIFIED PRODUCT:** Rim Board

**CERTIFIED MODEL:** Weyerhaeuser Rim Board, TJ® Rim Board, and TimberStrand® LSL

Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer’s published installation instructions.

- 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

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filled with a web stiffener (1/16 in. gap between flange and stiffener).

Attach rim board protection per plan.

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.

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 <sup>(1)</sup>
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

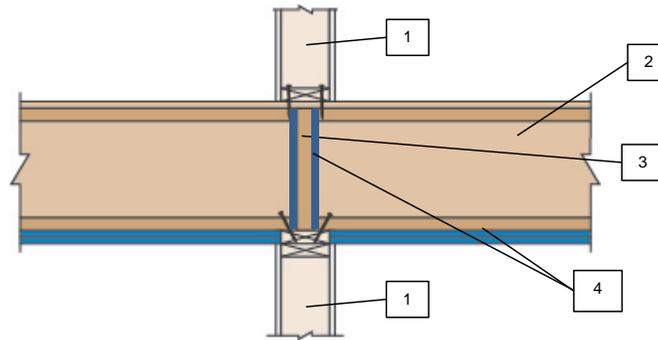
(1) 60 minutes applies only to rim board with vertical load restricted to 55% of design capacity, with the exception of 1-1/8 in. x 16 in. TJ Rim Board and Weyerhaeuser Rim Board which is load restricted to 50% of design capacity.

# WNR/RB 60-04

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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 60-04**  
**Rim Board**  
**Weyerhaeuser Rim Board, TJ® Rim Board, 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 non-continuous joists abutting to continuous rim board. 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, and TimberStrand® LSL

Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions.

- 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-D. 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-joint web and direct-applied protection must be filled with a web stiffener (1/16 in. gap between flange and stiffener).

Attach direct-applied protection gypsum with a min. of four 1-1/2 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	-	-	1	Min. 5/8 in. Type X gypsum	60
B	1	Unrated 1/2 in. gypsum (each side)	1	Min. 1/2 in. Type X gypsum	60
C	1	Min. 1-1/8 in. material from section 3	1	Min. 1/2 in. Type X gypsum	60
D	-	-	1	Min. 1/2 in. Type X gypsum	45

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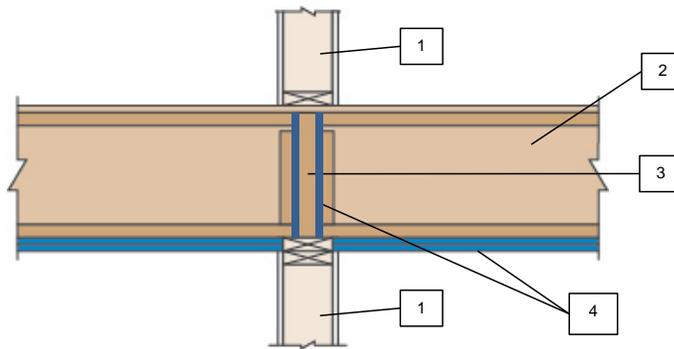


# WNR/RB 60-05

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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 60-05**  
**Rim Board**  
**Weyerhaeuser Rim Board, TJ® Rim Board, 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 continuous floor joists and discontinuous rim board blocking. Min. 3-1/2 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, and TimberStrand® LSL  
  
Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions.

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-G. 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 1<sup>st</sup> layer of gypsum with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc, and 2<sup>nd</sup> 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.

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Item	Direct-applied Protection		Ceiling Membrane Protection		Rating (min)
	Min. Layers	Material	Min. Layers	Material	
A	-	-	1	Min.5/8 in. Type X gypsum	45
B	1	Unrated 1/2 in. gypsum (each side)	1	Min. 5/8 in. Type X gypsum	60
C	1	Min. 1-1/8 in. material from section 3	1	Min. 1/2 in. Type X gypsum	60
D	1	Min. 5/8 in. Type X gypsum	1	Min. 1/2 in. Type X gypsum	60
E	2	Unrated 1/2 in. gypsum (each side)	1	Min. 1/2 in. Type X gypsum	60
F	1	Unrated 1/2 in. gypsum (each side)	1	Min. 1/2 in. Type X gypsum	45
G	-	-	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

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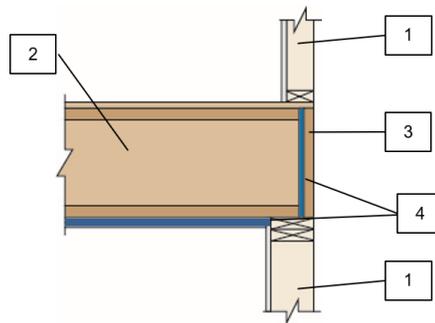
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# WNR/RB 60-06



Division 06 – Wood, Plastics and Composites  
 06 17 00 Shop-Fabricated Structural Wood  
 06 17 43 Rim Boards

**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.

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Division 06 – Wood, Plastics and Composites  
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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 <sup>1</sup>
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 <sup>2</sup>	-	-	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 <sup>3</sup>

<sup>1</sup> 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.

<sup>2</sup>For 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.

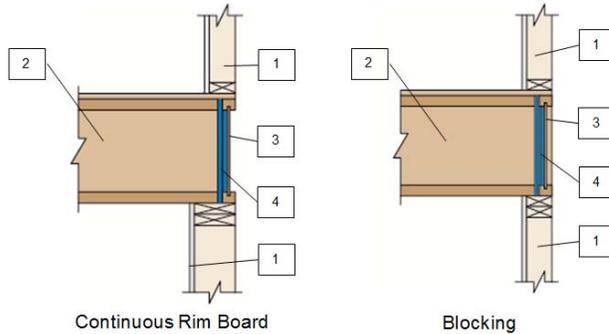
<sup>3</sup>Vertical Load restricted to 45% for TJ Rim Board and Weyerhaeuser Rim Board, 60% for 1.25 in. thick Rim Board and 80% for 1.5 in. thick and greater Rim Board.

# WNR/RB 60-07

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**Weyerhaeuser NR Company**  
**Design No. WNR/RB 60-07**  
**Rim Board**  
**TJI® Rim Joists**  
**ASTM E119, CAN/ULC S101**  
**Rating: 1 Hour 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.
- 3. **CERTIFIED MANUFACTURER:**  
Weyerhaeuser NR Company

**CERTIFIED PRODUCT:** Rim Joists

**CERTIFIED MODEL:** TJI® Joists

Min. I-joist flange 1-1/4 in. depth x 1-3/4 in. width, 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 that the 5/8 in. Type X gypsum is also installed on the opposite side to both the web and flanges of joist (not shown).

**4. RIM BOARD PROTECTION:**

**CONTINUOUS RIM** – Attach 1<sup>st</sup> layer of 5/8 in. Type X gypsum board fastened to web of the rim joist with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc, and 2<sup>nd</sup> layer of 5/8 in. Type X gypsum board fastened to the flanges of the rim joists with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc.

**BLOCKING** – Attach 1<sup>st</sup> layer of 5/8 in. Type X gypsum board extended to web of the adjacent joist with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc, and 2<sup>nd</sup> layer of 5/8 in. Type X gypsum board notched to fit at the corners and fastened to the flanges of the rim joists with a min. of four 1-1/2 in. Type W screws at a max. spacing of 12 in. oc.

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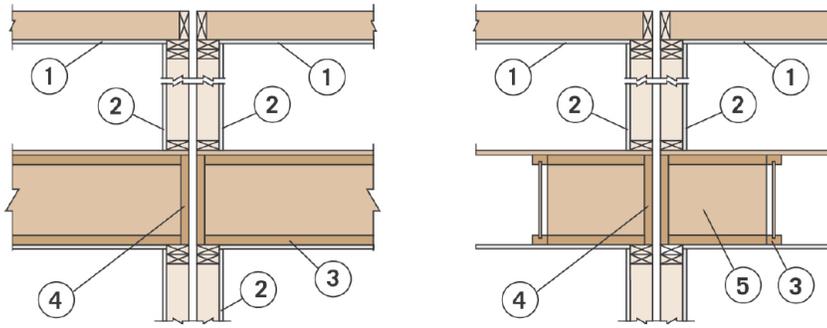


# WNR/RB 60-08



Division 06 – Wood, Plastics, and Composites  
06 17 00 Shop-Fabricated Structural Wood  
06 17 43 Rim Boards

**Weyerhaeuser NR  
WNR/RB 60-08  
Rim Board  
TimberStrand LSL  
ASTM E119 and CAN/ULC S101  
Rating: 1 Hour Load Bearing Restricted to Max. Vertical Load of 2000 plf ASD  
(unfactored) per rim board member**



1. **ROOF/FLOOR/CEILING:** Floor/ceiling or roof/ceiling assembly as required by the applicable Building Code.
2. **RATED WALL ASSEMBLY:** One-hour rated wall assembly installed in accordance with the applicable Building Code.
3. **FLOOR ASSEMBLY:** TJI® Series Joists – Product Fire Classes A-H. Refer to Section 4 of General Information in the Listing Report on <https://bpdirectory.intertek.com>, with min. 1/2 in. gypsum ceiling.
4. **CERTIFIED MANUFACTURER:** Weyerhaeuser NR

**CERTIFIED PRODUCT:** Rim Board  
**CERTIFIED MODEL:** Timberstrand® LSL

Min. 1-3/4 in. thick 1.5E or greater TimberStrand LSL installed in accordance with the manufacturer’s published installation instructions. Max. rim board depth of 16 in. 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. For rim board deeper than 11-7/8 in., TJI blocking placed at 4 ft. on center (oc) is required at walls running parallel to the floor joists. Attach blocking in accordance with Weyerhaeuser TJI Specifiers Guide.

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.

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