



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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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

WNR/RB 120-01

WNR/RB 60-01

WNR/RB 60-02

WNR/RB 60-03

WNR/RB 60-04

WNR/RB 60-05

WNR/RB 60-06

WNR/RB 60-07

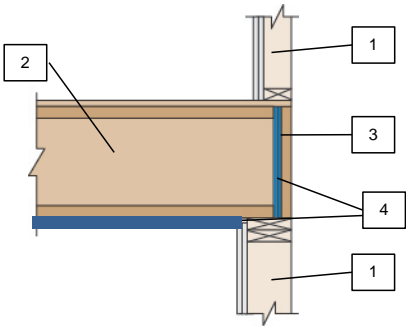
WNR/RB 60-08

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 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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| 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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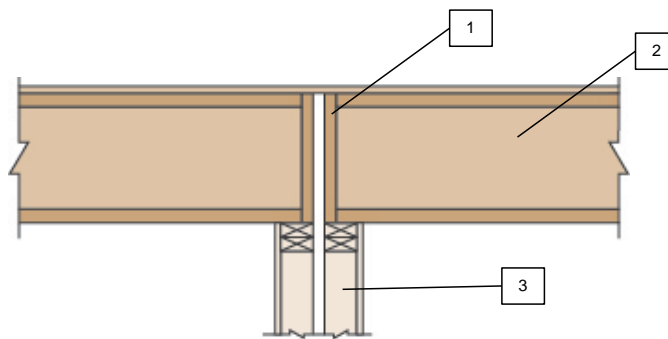


WNR/RB 60-01

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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



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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Weyerhaeuser NR Company

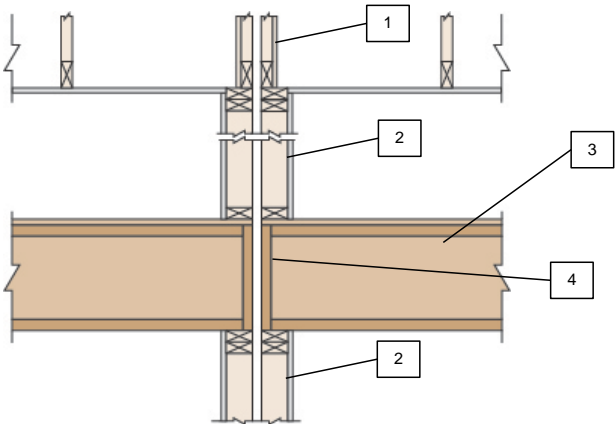
Design No. WNR/RB 60-02

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

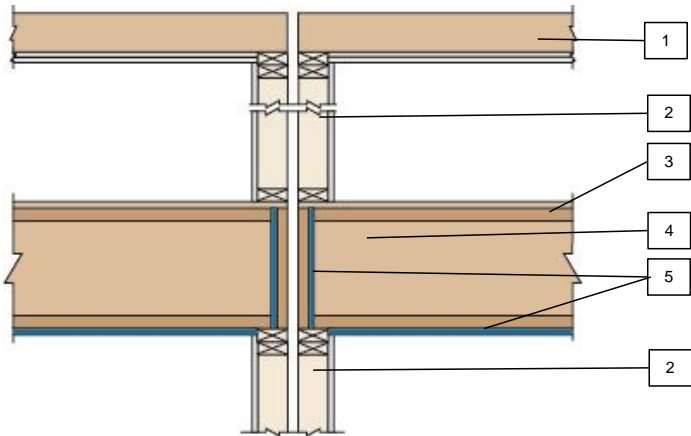
Min. 1-1/8 in. thick rim board installed in accordance with the manufacturer's published installation instructions. Rim board only supporting limited dead load from wall above.

WNR/RB 60-03



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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 ⁽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.

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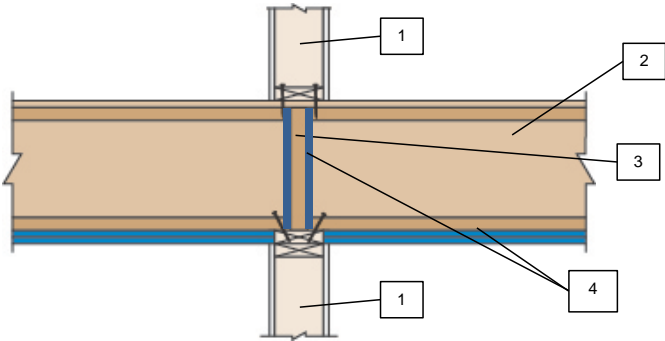
Design No. WNR/RB 60-04

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-joist 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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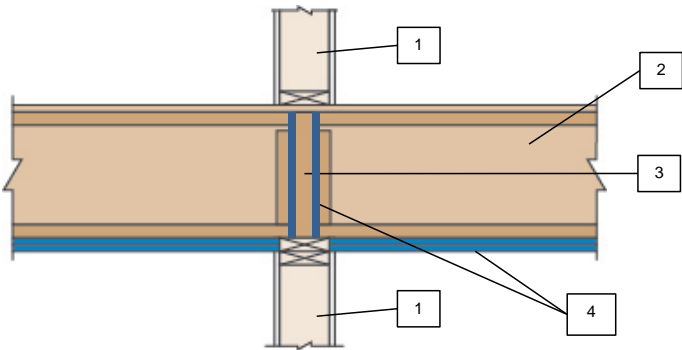
Design No. WNR/RB 60-05

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 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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| 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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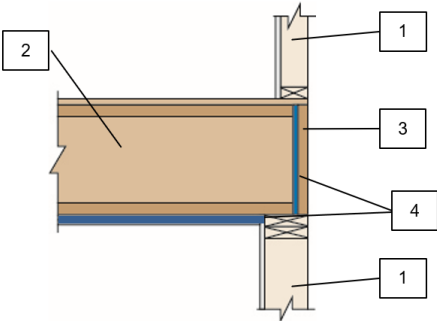


WNR/RB 60-06



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06 17 00 Shop-Fabricated Structural Wood
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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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| 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.

² 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.

³ 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.

Date Revised: February 29, 2024

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Version: 02 August 2017

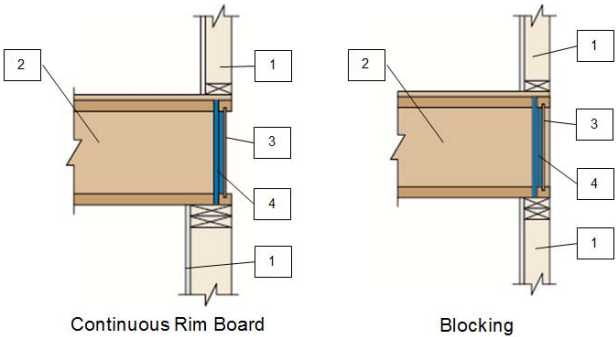
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Weyerhaeuser NR Company
Design No. WNR/RB 60-07
Rim Board
TJI® Rim Joists
ASTM E119, CAN/ULC S101
Rating: 1 Hour Load Bearing



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 1st 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 2nd 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 1st 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 2nd 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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Project No. G102778971



WNR/RB 60-08

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Weyerhaeuser NR

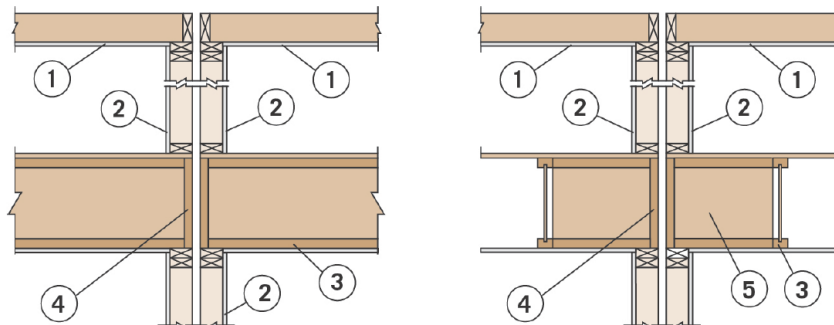
WNR/RB 60-08

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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