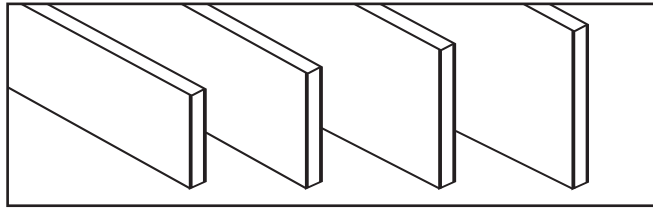


# FiberStrong® Rim Board

## Sizes and Weights\*



Depth	9 1/2"	11 7/8"	14"	16"
Weight (plf)	3.0	3.7	4.4	5.0
Thickness	1 1/8"			
Length	12'			

\*Referenced dimensions are nominal and used for design purposes.

## Capacities

Vertical Load:

Rim or starter joist = 4850 plf.

Horizontal load (lateral seismic or wind):

200 plf using a load duration factor of 160%

1/2" lag or through bolt attaching ledger to rim board:

350 lbs. lateral load per bolt

Lateral loads for nails in wide face of rim board:

Design per 2005 NDS using Douglas Fir-Larch values

## Connection Requirements

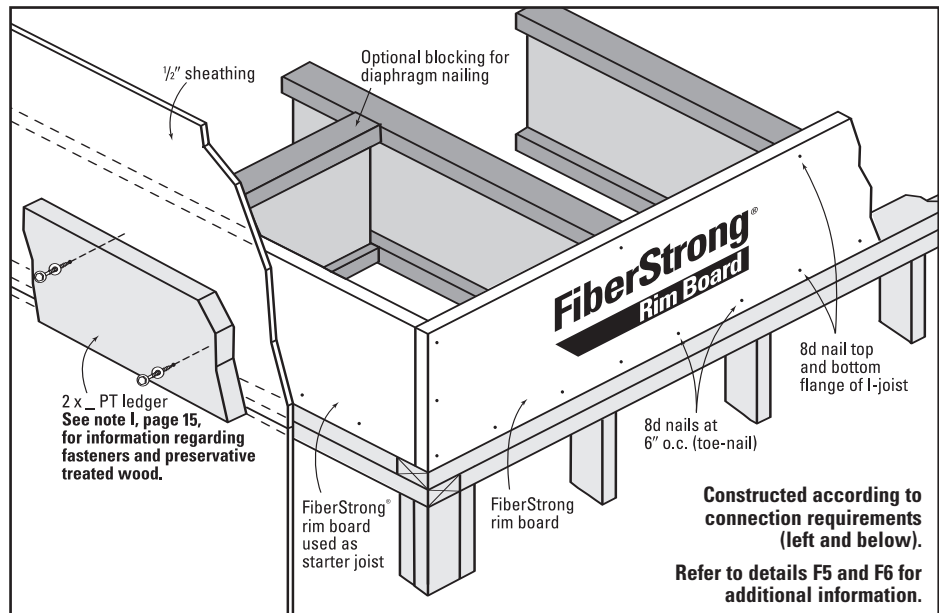
**To joist:** Face-nail rim board to each joist with two (2) 8d nails, one each into top and bottom flange.

**To plate:** Toe-nail rim board to wall plate with 8d nails at 6" o.c. or 16d nails at 12" o.c. See note I, page 15 for information regarding fasteners and preservative treated wood.

**Subfloor:** Attach floor sheathing to rim board per building code or structural panel manufacturer's specifications (closest on-center nail spacing is 6"). For shear transfer (lateral seismic or wind) of up to 200 plf, use 8d at 6" o.c.

**To rim:** Face-nail rim boards together at corners with three (3) 8d nails.

**Ledger:** Ledger design and attachment by others. To attach a ledger use 1/2" through bolts with nuts and washers or 1/2" lag screws (minimum length of 4") with washers (not less than a standard cut washer) under the head and nut meeting ANSI B18.22.1. Maintain 2" edge distances on ledger and rim board. For lag screws, drill 5/16" lead holes in rim board and 1/2" holes in ledger. Caulk holes with high quality caulking immediately before inserting the bolts or lag screws. **Caution:** The lag screw should be inserted in a lead hole by turning with a wrench, not by driving with a hammer. Over-torquing can significantly reduce the lateral resistance of the lag screw and should therefore be avoided. See note I, page 15 for information regarding fasteners and preservative treated wood.



**Constructed according to connection requirements (left and below). Refer to details F5 and F6 for additional information.**

## Approved Applications

FiberStrong rim board has been tested and approved as a rim board and starter joist by APA-EWS. FiberStrong rim board can also be used as a short span, lightly loaded header (over windows, doors, and vents). The maximum header span is 4 feet. For longer spans, use GP Lam® LVL headers. FiberStrong rim board is not recommended as a structural joist, rafter, or ledger. Instead, consider Wood I Beam™ joists and GP Lam LVL or contact BlueLinX. GP Lam LVL may be substituted for FiberStrong rim board in all rim board and rim joist applications shown in this product guide.

## FiberStrong Rim Board Allowable Edgewise Bending Design Stresses<sup>1</sup>

Modulus of Elasticity  $E = 0.55 \times 10^6 \text{ psi}^2$

Bending Stress  $F_b = 600 \text{ psi}^3$

Horizontal Shear  $F_v = 270 \text{ psi}$

Compression Perpendicular to Grain  $F_{c\perp} = 550 \text{ psi}^2$

1. FiberStrong Rim Board is limited to a maximum span of 4 feet. For longer spans use GP Lam headers. Values apply to all depths.
2. All values may be increased for duration of load, except for E and  $F_{c\perp}$ .
3. Allowable bending stress,  $F_b$ , has the adjustment for volume effect included in the value.

# ENGINEERED FOR PERFORMANCE

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\* See manufacturer's warranty for terms, conditions and limitations ([www.gp.com/build](http://www.gp.com/build)).

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Lit. Item #123040 (p. 31)

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