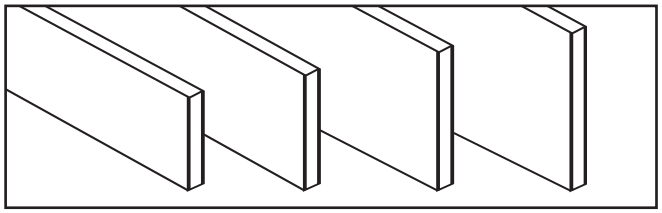
FiberStrong® Rim Board

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

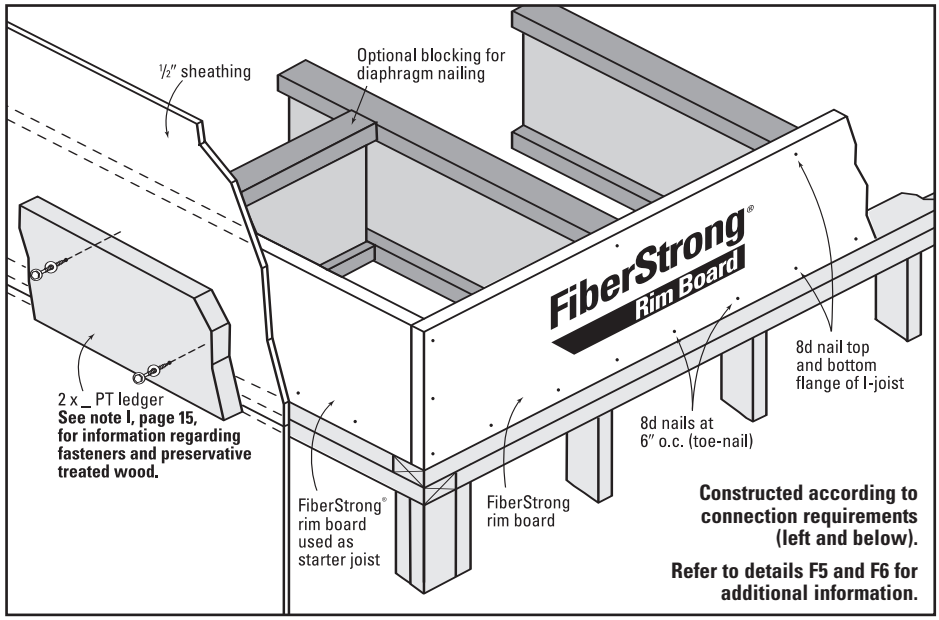
Connection Requirements

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.

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[1]

Modulus of Elasticity	$E = 0.55 \times 10^6$ psi[2]
Bending Stress	$F_b = 600$ psi[3]
Horizontal Shear	$F_v = 270$ psi
Compression Perpendicular to Grain	$F_{c\perp} = 550$ 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.

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Georgia-Pacific engineered lumber provides the following benefits:

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- Environmentally responsible
- Lifetime limited warranty*

For more information, call 1-888-502-BLUE (2583) or visit www.bluelinxco.com.

SALES, UPDATES AND CURRENT INFORMATION

The sale of our engineered lumber products is subject to our terms of sale which are available at www.gp.com/tc or upon request. The information in this document may change without notice. Visit our website at www.gp.com/build for updates and current information or call 877-437-9759 to request a current copy.

GENERAL

The user is responsible for proper installation of our engineered lumber products. Our engineered lumber products must be installed in strict conformity with our instructions and all applicable building code requirements and other regulations. In addition, if not specifically covered by our installation instructions or construction detail illustrations, the products must be installed in accordance with generally accepted design and construction practices. When installing engineered lumber products, the user must also consider the effects of local climate and geography. We do not warrant and are not responsible for the design and construction of any finished structure or system into which our engineered lumber products may be incorporated or other building components that may be used with our products.

LIMITATION OF REMEDIES AND DAMAGES

EXCEPT AS EXPRESSLY STATED IN OUR LIFETIME LIMITED WARRANTY, WE DO NOT MAKE AND HEREBY EXPRESSLY DISCLAIM, ANY AND ALL OTHER REPRESENTATIONS AND WARRANTIES OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF OR AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY, AND AT GP'S SOLE OPTION, ARE REPAIR OF AFFECTED PRODUCT, REPLACEMENT OF AFFECTED PRODUCT OR REIMBURSEMENT OF THE REASONABLE COST OF REPAIR OR REPLACEMENT OF THE AFFECTED PRODUCT. WE SHALL NOT BE RESPONSIBLE UNDER ANY CIRCUMSTANCES FOR LOST PROFITS, DAMAGE TO A STRUCTURE IN WHICH THE AFFECTED PRODUCT IS INSTALLED, DAMAGE TO OTHER PROPERTY, LOSS OF USE OF THE PRODUCT OR OTHER PROPERTY OR ANY OTHER INDIRECT, INCIDENTAL, EXEMPLARY, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION, OUR CUMULATIVE LIABILITY TO BUYER SHALL NOT EXCEED THE PURCHASE PRICE FOR THE SPECIFIC PRODUCT GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. WARRANTY CLAIMS SHALL BE DEEMED WAIVED IF THEY ARE NOT SUBMITTED TO US IN WRITING WITHIN THIRTY (30) DAYS AFTER DISCOVERY. OUR ENGINEERED LUMBER PRODUCTS MAY SUPPORT MOLD GROWTH IF EXPOSED TO CERTAIN CONDITIONS, INCLUDING MOISTURE, DAMPNESS, CONDENSATION, HUMIDITY, WATER OR WET CONDITIONS. MOLD, MILDEW, FUNGI, ALGAE, MOSS, BACTERIAL GROWTH, DECAY, ROT OR SIMILAR CONDITIONS ARE NOT MANUFACTURING OR PRODUCT DEFECTS AND WE ASSUME NO RESPONSIBILITY OR LIABILITY FOR SUCH CONDITIONS, REGARDLESS OF CAUSE.

HEALTH AND SAFETY CAUTION

Georgia-Pacific engineered lumber products are manufactured with one or more of the following adhesives: phenol-formaldehyde, phenol-resorcinol-formaldehyde, melamine and/or polyurethane. Formaldehyde emissions from products with these adhesives are considered close to background levels and current regulations do not generally require emission measurements. A Material Safety Data Sheet (MSDS) containing potential physical and health hazard information is available from your employer or by contacting the Products Safety and Health Information Department at Georgia-Pacific LLC, P.O. Box 105605, Atlanta, GA 30348-5605, 404-652-5119 or visit www.gp.com/build.

GP Georgia-Pacific

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800-284-5347

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

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