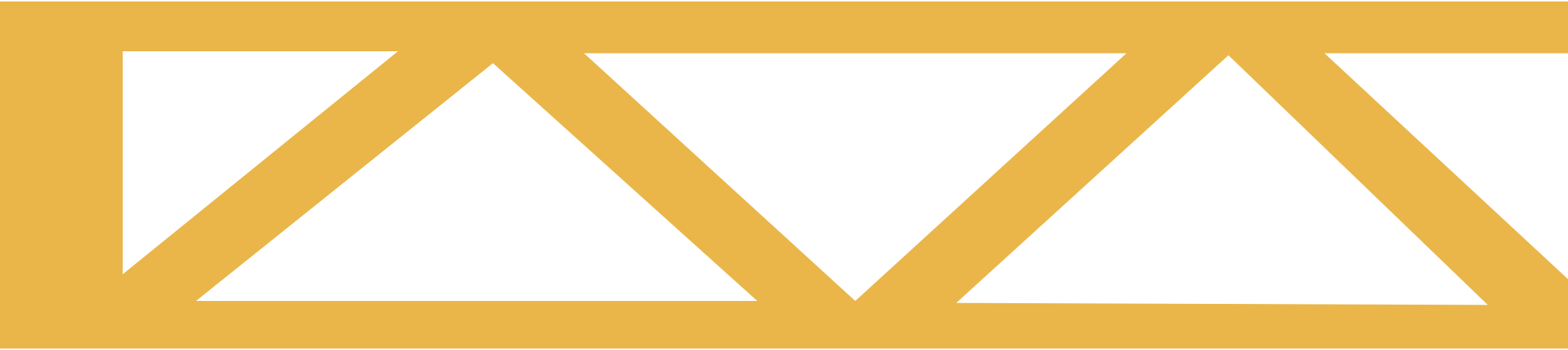


For more information, view our website on Open Joist at <http://www.openjoist.com>



A builder and framer's guide to using





What's in all this space for you?

Plenty. Open Joist lets you build in a whole new way – one that's faster, simpler and more economical. Open Joist floor trusses are lightweight (with no metal plates to snag hands, clothing or wires) and easily handled by only two installers. Plus, the open-web design lets plumbers, electricians, and HVAC technicians install their systems faster, eliminating cutting or drilling. The unique way Open Joist is assembled keeps its cost surprisingly low. Best of all, individual joist testing provides the type of assurance no other floor framing component can offer backed up by a lifetime transferable warranty.



The load down.

Open Joist is the unique, open-web, all-wood floor truss made exclusively by Universal Forest Products. Compared to solid I-joists and other brands of open-web floor joists, Open Joist is chock full of advantages:

- Lighter weight, easier to lift/maneuver/handle
- Easy to install with trimmable ends and wide nailing/gluing flanges
- Accelerates framing and saves time for the trades (HVAC/plumbing/electrical)
- Available in 4 depths for strength to span up to 30'
- Each Open Joist is individually tested and covered by a lifetime transferable warranty

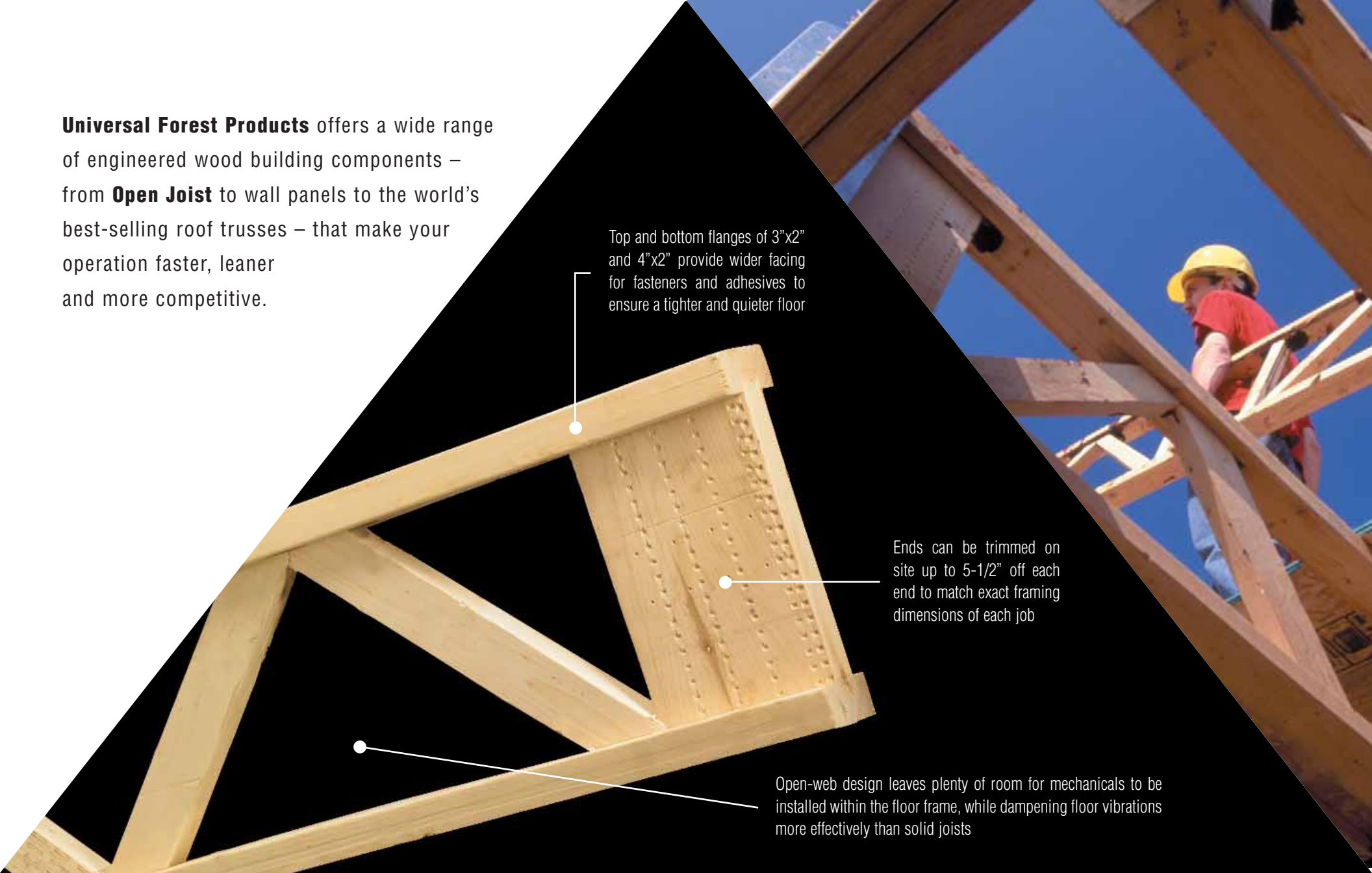
Open Joist is code approved in the U.S. by IBC, IRC, BNBC, SBC, and UBC and can be used in all areas of the U.S. (ICC evaluation Service Report ER-10350). It is also recognized by Canadian agencies CNBC, CMHC, PWGSC, and CHBA (Report No. 12118-R). Code approval reports are available at **www.openjoist.com**.

Universal Forest Products offers a wide range of engineered wood building components – from **Open Joist** to wall panels to the world’s best-selling roof trusses – that make your operation faster, leaner and more competitive.

Top and bottom flanges of 3"x2" and 4"x2" provide wider facing for fasteners and adhesives to ensure a tighter and quieter floor

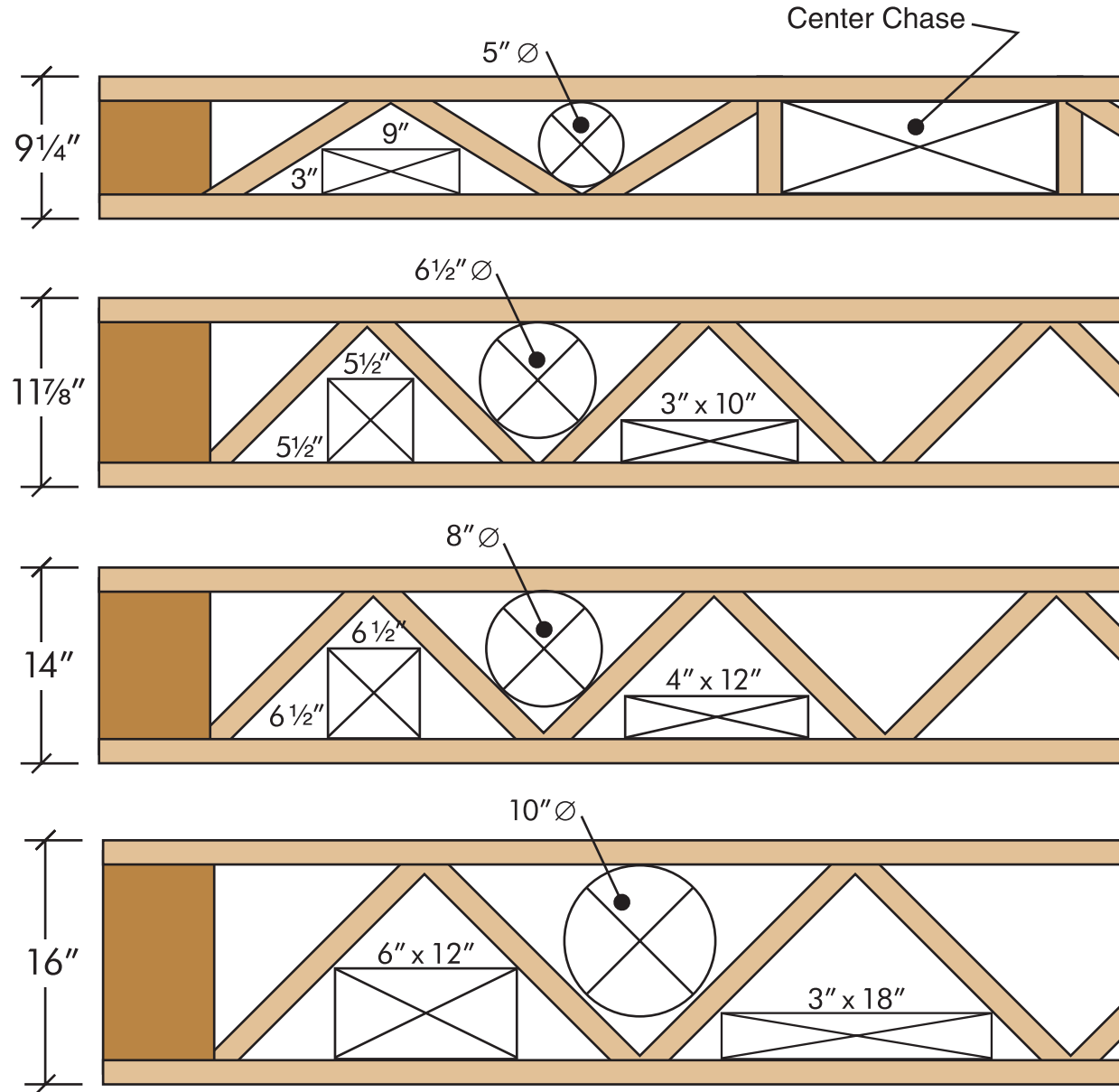
Ends can be trimmed on site up to 5-1/2" off each end to match exact framing dimensions of each job

Open-web design leaves plenty of room for mechanicals to be installed within the floor frame, while dampening floor vibrations more effectively than solid joists



The hole truth.

Open Joist is available in a variety of depths, chord sizes and grades, and lengths to conveniently meet the structural strength and design needs of virtually any building project – residential or commercial.



Standard Open Joist Configurations		
Joist Depth	Joist Length	Chord Size & Grade
9-1/4"	3' thru 16'	3 x 2 - #2 SPF
9-1/4"	17' thru 20'	4 x 2 - MSR 2100 SPF
11-7/8"	3' thru 17'	3 x 2 - #2 SPF
11-7/8"	18' thru 19'	4 x 2 - #2 SPF
11-7/8"	20' thru 23'	4 x 2 - MSR 2100 SPF
14"	3' thru 18'	3 x 2 - #2 SPF
14"	19' thru 21'	4 x 2 - #2 SPF
14"	22' thru 25'	4 x 2 - MSR 2100 SPF
16"	3' thru 17'	3 x 2 - #2 SPF
16"	18' thru 22'	4 x 2 - #2 SPF
16"	23' thru 26'	4 x 2 - MSR 2100 SPF
16"	27' thru 30'	4 x 2 - MSR 2400 SPF

9 1/4" Depth Maximum Live Load Deflection (L/360 & L/480, 1 1/2" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading(PSF) Live Dead		12" O.C. L/360 L/480		16" O.C. L/360 L/480		19.2" O.C. L/360 L/480		24" O.C. L/360 L/480	
3x2	#2	40	15	15'-9"	15'-9"	15'-9"	14'-11"	15'-6"	14'-0"	14'-3"	12'-10"
4x2	MSR 2100	40	15	19'-9"	19'-5"	19'-1"	17'-3"	17'-11"	16'-6"	16'-11"	--
3x2	#2	50	15	15'-9"	15'-3"	15'-3"	13'-9"	14'-3"	12'-10"	13'-2"	11'-11"
4x2	MSR 2100	50	15	19'-9"	17'-11"	17'-11"	16'-4"	16'-11"	--	--	--
3x2	#2	100	15	13'-2"	11'-11"	11'-11"	10'-8"	11'-1"	9'-11"	9'-3"	8'-9"

11 7/8" Depth Maximum Live Load Deflection (L/360 & L/480, 1 1/2" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading (PSF) Live Dead		12" O.C. L/360 L/480		16" O.C. L/360 L/480		19.2" O.C. L/360 L/480		24" O.C. L/360 L/480	
3x2	#2	40	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-8"	16'-9"	15'-2"
4x2	#2	40	15	18'-9"	18'-9"	18'-9"	18'-9"	18'-9"	18'-7"	17'-2"	17'-2"
4x2	MSR 2100	40	15	22'-9"	22'-9"	22'-9"	21'-0"	21'-5"	19'-10"	19'-3"	--
3x2	#2	50	15	16'-9"	16'-9"	16'-9"	16'-5"	16'-9"	15'-2"	15'-4"	14'-1"
4x2	#2	50	15	18'-9"	18'-9"	18'-9"	18'-5"	17'-8"	17'-3"	16'-3"	--
4x2	MSR 2100	50	15	22'-9"	21'-5"	21'-5"	19'-8"	20'-3"	--	--	--
3x2	#2	100	15	15'-7"	14'-1"	13'-11"	12'-9"	12'-3"	11'-11"	10'-4"	10'-4"
4x2	#2	100	15	16'-11"	--	--	--	--	--	--	--

14" Depth Maximum Live Load Deflection (L/360 & L/480, 1 1/2" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading (PSF) Live Dead		12" O.C. L/360 L/480		16" O.C. L/360 L/480		19.2" O.C. L/360 L/480		24" O.C. L/360 L/480	
3x2	#2	40	15	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	17'-9"	16'-4"
4x2	#2	40	15	20'-9"	20'-9"	20'-9"	20'-9"	20'-9"	19'-10"	18'-9"	18'-5"
4x2	MSR 2100	40	15	24'-9"	24'-9"	24'-8"	22'-9"	23'-5"	21'-2"	20'-10"	--
3x2	#2	50	15	17'-9"	17'-9"	17'-9"	17'-7"	17'-9"	16'-5"	16'-4"	15'-3"
4x2	#2	50	15	20'-9"	20'-9"	20'-9"	19'-8"	19'-9"	18'-6"	--	--
4x2	MSR 2100	50	15	24'-9"	23'-2"	23'-2"	21'-0"	21'-10"	--	--	--
3x2	#2	100	15	16'-9"	15'-2"	14'-4"	13'-8"	12'-10"	12'-8"	10'-9"	10'-9"
4x2	#2	100	15	18'-4"	--	--	--	--	--	--	--

16" Depth Maximum Live Load Deflection (L/360 & L/480, 1 1/2" Minimum Bearing Each End)											
Chord* Size	Chord* Grade	Loading (PSF) Live Dead		12" O.C. L/360 L/480		16" O.C. L/360 L/480		19.2" O.C. L/360 L/480		24" O.C. L/360 L/480	
3x2	#2	40	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"
4x2	#2	40	15	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"
4x2	MSR 2100	40	15	25'-9"	25'-9"	25'-9"	25'-9"	25'-9"	25'-6"	25'-9"	22'-5"
4x2	MSR 2400	40	15	29'-9"	29'-8"	29'-9"	27'-7"	28'-5"	--	26'-10"	--
3x2	#2	50	15	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"	16'-9"
4x2	#2	50	15	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	21'-9"	20'-10"
4x2	MSR 2100	50	15	25'-9"	25'-9"	25'-9"	25'-0"	25'-9"	22'-5"	23'-10"	--
4x2	MSR 2400	50	15	29'-9"	28'-2"	28'-3"	--	26'-10"	--	--	--
3x2	#2	100	15	16'-9"	16'-9"	16'-8"	16'-8"	13'-6"	13'-6"	11'-4"	11'-4"
4x2	#2	100	15	21'-9"	20'-10"	19'-1"	19'-0"	16'-9"	15'-9"	--	--
4x2	MSR 2100	100	15	23'-3"	--	--	--	--	--	--	--

Q. Does Open Joist really save time and money?

A. Absolutely, in several ways. Open Joist is much lighter than other floor trusses, and the open-web structure leaves no question about where holes can be safely cut. Open Joist's superior strength often means using fewer joists to carry required loads. This means faster framing and faster MEP installation. Open Joist employs a unique assembly technology that uses wood fiber in the most efficient manner to hold down costs. And, Open Joist is a trimmable, stocked product that arrives at the job-site within days of being ordered. Faster delivery. Faster installation. Faster closing.

Q. Does Open Joist really have the strength and durability I need to protect my business and reputation?

A. No question about it. Open Joist is usually stronger than I-joists and steel plated floor trusses of the same depth. But Open Joist goes a step further trusses are individually tested to more than twice their required loads, ensuring your peace of mind as a builder. And, the open-web configuration allows for better dampening of floor vibrations to provide a more solid "feel" to a floor system. Open Joist is approved for use by all U.S. and Canadian model building codes.

The floor is open for questions.

Q. Can I get the trusses I need, as fast as I need them?

A. Yes, you can. Open Joist is currently manufactured in three locations that supply a large distribution network across the country. Trusses are in stock at distributor yards and at manufacturing facilities, so your order can be shipped to you within days instead of weeks.

Q. How does the lifetime warranty work?

A. Open Joist is guaranteed to perform according to specifications and be free from structural defects for the lifetime of the structure. This lifetime warranty is transferable from building owner to owner.

Get more information about Open Joist by visiting our web site:
www.openjoist.com, calling **800.598.9663** or e-mailing **ojservice@ufpi.com**.



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