

Depth Options

The depth of an open web floor truss can be accommodated by these different Bearing Details:



Standard Bottom Chord Bearing puts the entire depth on top of the walls. This causes no loss in headroom and, when compared to conventional lumber, can mean just a few more inches for siding.



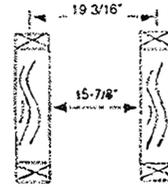
Top Chord Bearing puts almost the entire depth below the walls. This speeds installation by allowing the builder to drop trusses into place and nail them to the bearing.



Mid-Depth Bearing provides the best of both other bearing details. Trusses can be easily set into place like top chord bearing. The amount of truss above the plate is specified by the builder. This can be made to match with dimensional lumber to reduce material costs or can be made to split depth above and below bearing.

On Center Spacing

To take full advantage of the cost savings of floor trusses, consider wider spacing. Remember that an open web floor truss is 3-1/2" wide. In addition to providing a wide nailing surface, the width means trusses spaced 19.2" on center support flooring similarly to conventional lumber at 16" on center.



#Trusses per 8ft	O.C.	#Trusses
	24"	5
	19.2"	6
	16"	7

Floor trusses can also provide a solid floor when used 24" on center with 3/4" flooring. The farther apart trusses are spaced, the fewer are needed. This saves not only on material cost but also on labor.

S.R.Sloan, Inc. has been manufacturing roof and floor trusses for over 39 years. In addition to trusses, we also manufacture custom stairs and distribute stair parts. With production facilities in central New York and southeastern Pennsylvania, we ship our products throughout New England and the Mid-Atlantic states.

Span Charts

Maximum Spans			
L/480 Live Load Deflection			
Depth	On Center Spacing		
	16"	19.2"	24"
12"	20'-0"	18'-6"	17'-0"
14"	22'-6"	21'-0"	19'-0"
16"	23'-0"	21'-8"	19'-6"
18"	25'-0"	23'-6"	21'-6"
20"	27'-6"	26'-0"	23'-6"
22"	29'-6"	28'-0"	24'-0"
24"	31'-6"	29'-0"	24'-6"

Best Value

These trusses make optimal use of lumber for the greatest span for the dollar. We recommend these for stiffness and value.

Maximum Spans			
L/480 Live Load Deflection			
Depth	On Center Spacing		
	16"	19.2"	24"
12"	21'-3"	20'-0"	18'-0"
14"	24'-0"	22'-6"	20'-6"
16"	24'-6"	23'-3"	21'-6"
18"	27'-0"	24'-9"	23'-6"
20"	29'-6"	27'-6"	24'-6"
22"	31'-6"	29'-6"	27'-6"
24"	34'-0"	31'-0"	29'-0"

Minimum Depth

These provide a floor just as stiff as our best value with less depth. Higher grades of lumber are used to limit depth, and provide superior performance.

Maximum Spans			
L/360 Live Load Deflection			
Depth	On Center Spacing		
	16"	19.2"	24"
12"	22'-0"	21'-6"	19'-6"
14"	25'-6"	25'-0"	22'-6"
16"	27'-0"	26'-0"	24'-0"
18"	29'-6"	27'-6"	26'-0"
20"	31'-0"	31'-0"	28'-0"
22"	33'-6"	31'-0"	29'-6"
24"	36'-0"	32'-0"	31'-0"

Code

Minimum

These trusses provide the code minimum performance - a sound system at a good price

