

SIZING TABLES

General Notes

- Table is based on:
 - Uniform loads.
 - More restrictive of simple or continuous span. Ratio of short span to long span should be greater than 0.4 to prevent uplift.
 - Roof truss framing with 24" soffits.
 - Exterior wall weights of 80 plf, interior 60 plf.
 - Deflection criteria of L/360 live load and L/240 total load at floor.
- Tables do not consider attic loads acting concurrently with roof or snow loads.

Minimum header supports to be two trimmers (3") at each end and 7½" at continuous-span supports.
 (3) Requires three trimmers (4½") at each end and 11¼" at continuous-span supports.

Also see *How to Use This Table* on page 12 and *General Assumptions* on page 5.

Bearing Requirements

Headers Supporting Floor and Roof *continued*

Roof Load (PSF)	House Width	Rough Opening											
		14'			16'-3"			18'-3"					
Non-Snow Area 125%	Roof Load 20LL + 15DL Floor Load 40LL + 12DL	24'	3½" x 14"	M	P	3½" x 16"	M	P	3½" x 18" ⁽³⁾	M	P		
			3½" x 16"	T	M	P	5¼" x 14"	M	P	5¼" x 16"	M	P	
			5¼" x 11½"	M	P	5¼" x 16"	T	M	P	7" x 14"	M	P	
		30'	3½" x 14"	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 20" ⁽³⁾	M	P		
			3½" x 16"	T	M	P	5¼" x 14"	M	P	5¼" x 16"	M	P	
			5¼" x 14"	T	M	P	5¼" x 16"	T	M	P			
	36'	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P			
		5¼" x 14"	T	M	P	5¼" x 16"	M	P	7" x 16"	M	P		
		5¼" x 16"	T	M	P	7" x 14"	P						
	Roof Load 20LL + 20DL Floor Load 40LL + 12DL	24'	3½" x 14"	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P		
			3½" x 16"	T	M	P	5¼" x 14"	M	P	5¼" x 16"	M	P	
			5¼" x 11½"	M	P	5¼" x 16"	T	M	P	7" x 14"	M	P	
		30'	3½" x 16" ⁽³⁾	T	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 20" ⁽³⁾	M	P	
			5¼" x 14"	T	M	P	5¼" x 16"	T	M	P	5¼" x 18"	M	P
						7" x 14"	P	7" x 16"	M	P			
	36'	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P			
		5¼" x 14"	M	P	5¼" x 16"	M	P	7" x 16"	M	P			
		5¼" x 16"	T	M	P	7" x 14"	P						
Snow Area 115%	Roof Load 25LL + 15DL Floor Load 40LL + 12DL	24'	3½" x 14"	M	P	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P		
			3½" x 16"	T	M	P	5¼" x 14"	M	P	5¼" x 16"	M	P	
			5¼" x 11½"	M	P	5¼" x 16"	T	M	P	7" x 14"	M	P	
		30'	3½" x 16" ⁽³⁾	T	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 20" ⁽³⁾	M	P	
			5¼" x 14"	T	M	P	5¼" x 16"	T	M	P	5¼" x 18"	M	P
						7" x 14"	P	7" x 16"	M	P			
	36'	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P			
		5¼" x 14"	M	P	3½" x 20" ⁽³⁾	M	P	7" x 16"	M	P			
		5¼" x 16"	T	M	P	5¼" x 16"	M	P					
	Roof Load 30LL + 15DL Floor Load 40LL + 12DL	24'	3½" x 14"	M	P	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P		
			3½" x 16"	T	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 20" ⁽³⁾	M	P	
			5¼" x 11½"	M	P	5¼" x 14"	M	P	5¼" x 16"	M	P		
		30'	3½" x 16" ⁽³⁾	M	P	3½" x 18" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P		
			5¼" x 14"	T	M	P	5¼" x 16"	M	P	7" x 16"	M	P	
						7" x 14"	P						
	36'	3½" x 16" ⁽³⁾	P	5¼" x 16" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P				
		3½" x 18" ⁽³⁾	M	P	7" x 16"	P	7" x 16"	M	P				
		5¼" x 14"	M	P									
Roof Load 40LL + 15DL Floor Load 40LL + 12DL	24'	3½" x 16" ⁽³⁾	T	M	P	3½" x 18" ⁽³⁾	M	P	3½" x 20" ⁽³⁾	M	P		
		5¼" x 14"	T	M	P	5¼" x 16"	T	M	P	5¼" x 18"	M	P	
					7" x 14"	P	7" x 16"	M	P				
	30'	3½" x 16" ⁽³⁾	P	5¼" x 16" ⁽³⁾	M	P	5¼" x 18" ⁽³⁾	M	P				
		3½" x 18" ⁽³⁾	M	P	7" x 14"	P	7" x 16"	M	P				
		5¼" x 14"	M	P									
36'	5¼" x 16" ⁽³⁾	T	M	P	5¼" x 18" ⁽³⁾	M	P	5¼" x 20" ⁽³⁾	M	P			
	7" x 14"	P	7" x 16"	P	7" x 18" ⁽³⁾	M	P						

T 1.55E TimberStrand® LSL

M 1.9E Microllam® LVL

P 2.0E Parallam® PSL