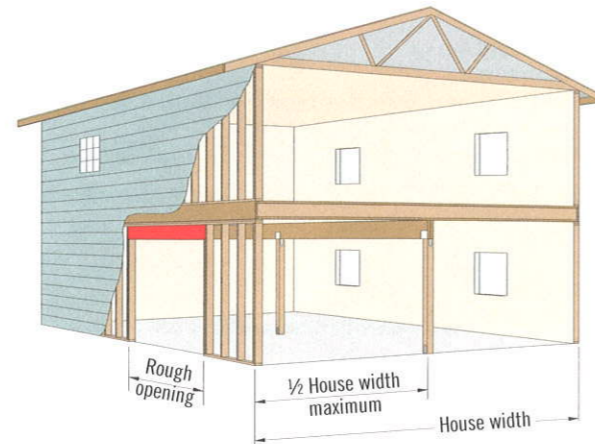


How to Use This Table

1. Verify that floor loading of 40 psf live load and 12 psf dead load is adequate.
2. Determine appropriate Load and House Width.
3. Locate Rough Opening.
4. Select header size and material.

Also see **General Notes** on page 13.



Beams Supporting Floor and Roof

Load (PSF)	House Width	Rough Opening								
		8'	9'-3"	10'	12'					
Non-Snow Area 125%	Roof Load 20LL + 15DL Floor Load 40LL + 12DL	24'	1 3/4" x 11 1/4"	T M	1 3/4" x 11 7/8" ⁽³⁾	M	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 7/8"	M P
			3 1/2" x 9 1/4"	T M P	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 9 1/2"	T M P	3 1/2" x 14"	T M P
		30'	1 3/4" x 11 7/8" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	5 1/4" x 11 1/4"	T M P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 9 1/2"	M P	5 1/4" x 9 1/4"	M P	5 1/4" x 11 1/4"	M P
		36'	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 14" ⁽³⁾	T M P
			3 1/2" x 9 1/4"	T M P	5 1/4" x 9 1/4"	T M P	5 1/4" x 9 1/2"	M P	5 1/4" x 11 1/4"	M P
	Roof Load 20LL + 20DL Floor Load 40LL + 12DL	24'	1 3/4" x 11 1/4" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 7/8"	M P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 9 1/4"	M P	3 1/2" x 11 1/4"	T M P	5 1/4" x 11 1/4"	T M P
		30'	1 3/4" x 14" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	3 1/2" x 14"	T M P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 9 1/2"	M P	5 1/4" x 9 1/4"	M P	5 1/4" x 11 1/4"	M P
		36'	1 3/4" x 14" ⁽³⁾	T	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 14" ⁽³⁾	M P
			3 1/2" x 9 1/4"	M P	5 1/4" x 9 1/4"	M P	5 1/4" x 9 1/2"	M P	3 1/2" x 16" ⁽³⁾	T M P
Snow Area 115%	Roof Load 25LL + 15DL Floor Load 40LL + 12DL	24'	1 3/4" x 11 1/4" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	T M	1 3/4" x 14" ⁽³⁾	M	3 1/2" x 11 7/8"	M P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 9 1/4"	M P	3 1/2" x 11 1/4"	T M P	3 1/2" x 14"	T M P
		30'	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 9 1/2"	M P	3 1/2" x 11 1/4"	T M P	3 1/2" x 14"	T M P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 11 1/4"	T M P	5 1/4" x 9 1/4"	M P	5 1/4" x 11 1/4"	M P
		36'	1 3/4" x 14" ⁽³⁾	T	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 14" ⁽³⁾	M P
			3 1/2" x 9 1/4"	M P	5 1/4" x 9 1/4"	M P	5 1/4" x 9 1/2"	M P	3 1/2" x 16" ⁽³⁾	T M P
	Roof Load 30LL + 15DL Floor Load 40LL + 12DL	24'	1 3/4" x 11 7/8" ⁽³⁾	T	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	P
			3 1/2" x 9 1/4"	T M P	3 1/2" x 9 1/4"	M P	5 1/4" x 9 1/4"	M P	3 1/2" x 14"	T M P
		30'	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 14"	T M P
			3 1/2" x 9 1/4"	T M P	5 1/4" x 9 1/4"	T M P	5 1/4" x 9 1/2"	M P	5 1/4" x 11 1/4"	M P
		36'	3 1/2" x 9 1/4"	M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 11 7/8"	M P	3 1/2" x 14" ⁽³⁾	P
			3 1/2" x 11 1/4"	T M P	5 1/4" x 9 1/4"	M P	3 1/2" x 14"	T M P	3 1/2" x 16" ⁽³⁾	T M P
Roof Load 40LL + 15DL Floor Load 40LL + 12DL	24'	1 3/4" x 14" ⁽³⁾	T M	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 14"	T M P	
		3 1/2" x 9 1/4"	T M P	5 1/4" x 9 1/4"	T M P	5 1/4" x 9 1/2"	M P	5 1/4" x 11 1/4"	M P	
	30'	3 1/2" x 9 1/4"	M P	3 1/2" x 11 7/8"	T M P	3 1/2" x 11 7/8"	M P	3 1/2" x 14" ⁽³⁾	M P	
		3 1/2" x 11 1/4"	T M P	5 1/4" x 9 1/4"	M P	3 1/2" x 14"	T M P	3 1/2" x 16" ⁽³⁾	T M P	
	36'	3 1/2" x 11 1/4"	T M P	3 1/2" x 11 7/8" ⁽³⁾	M P	3 1/2" x 14" ⁽³⁾	T M P	3 1/2" x 16" ⁽³⁾	T M P	
		5 1/4" x 9 1/4"	T M P	5 1/4" x 14"	T M P	5 1/4" x 11 1/4"	T M P	5 1/4" x 14"	T M P	

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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.

Bearing Requirements

Minimum header supports to be two trimmers (3") at each end and 7 1/2" at continuous-span supports.
 (3) Requires three trimmers (4 1/2") at each end and 11 1/4" at continuous-span supports.

- Tables do not consider attic loads acting concurrently with roof or snow loads.

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

Beams 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'	3 1/2" x 14"	M P	3 1/2" x 16"	M P	3 1/2" x 18" ⁽³⁾	M P
			3 1/2" x 16"	T M P	5 1/4" x 14"	M P	5 1/4" x 16"	M P
		30'	5 1/4" x 11 7/8"	M P	5 1/4" x 16"	T M P	7" x 14"	P
			3 1/2" x 14"	T M P	3 1/2" x 18" ⁽³⁾	M P	3 1/2" x 20" ⁽³⁾	M P
		36'	3 1/2" x 16"	T M P	5 1/4" x 14"	M P	5 1/4" x 16"	M P
			5 1/4" x 14"	T M P	5 1/4" x 16"	T M P	5 1/4" x 18" ⁽³⁾	M P
	Roof Load 20LL + 20DL Floor Load 40LL + 12DL	24'	3 1/2" x 14"	M P	3 1/2" x 16" ⁽³⁾	M P	3 1/2" x 18" ⁽³⁾	M P
			3 1/2" x 16"	T M P	5 1/4" x 14"	M P	5 1/4" x 16"	M P
		30'	5 1/4" x 11 7/8"	M P	5 1/4" x 16"	T M P	7" x 14"	P
			3 1/2" x 16" ⁽³⁾	T M P	3 1/2" x 18" ⁽³⁾	M P	3 1/2" x 20" ⁽³⁾	M
		36'	5 1/4" x 14"	T M P	5 1/4" x 16"	T M P	5 1/4" x 18"	M P
			7" x 14"	P	7" x 16"	P	7" x 16"	P
Snow Area 115%	Roof Load 25LL + 15DL Floor Load 40LL + 12DL	24'	3 1/2" x 14"	M P	3 1/2" x 16" ⁽³⁾	M P	3 1/2" x 18" ⁽³⁾	M P
			3 1/2" x 16"	T M P	5 1/4" x 14"	M P	5 1/4" x 16"	M P
		30'	5 1/4" x 11 7/8"	M P	5 1/4" x 16"	T M P	7" x 14"	P
			3 1/2" x 16" ⁽³⁾	T M P	3 1/2" x 18" ⁽³⁾	M P	3 1/2" x 20" ⁽³⁾	M
		36'	5 1/4" x 14"	T M P	5 1/4" x 16"	T M P	5 1/4" x 18"	M P
			7" x 14"	P	7" x 16"	P	7" x 16"	P
	Roof Load 30LL + 15DL Floor Load 40LL + 12DL	24'	3 1/2" x 14"	M P	3 1/2" x 16" ⁽³⁾	M P	3 1/2" x 18" ⁽³⁾	P
			3 1/2" x 16"	T M P	5 1/4" x 14"	M P	5 1/4" x 16"	M P
		30'	5 1/4" x 11 7/8"	M P	5 1/4" x 16"	T M P	7" x 14"	P
			3 1/2" x 16" ⁽³⁾	M P	3 1/2" x 18" ⁽³⁾	M P	5 1/4" x 18" ⁽³⁾	M P
		36'	5 1/4" x 14"	T M P	5 1/4" x 16"	M P	7" x 16"	P
			7" x 14"	P	7" x 16"	P	7" x 16"	P
Roof Load 40LL + 15DL Floor Load 40LL + 12DL	24'	3 1/2" x 16" ⁽³⁾	T M P	3 1/2" x 18" ⁽³⁾	M P	3 1/2" x 20" ⁽³⁾	M	
		5 1/4" x 14"	T M P	5 1/4" x 16"	T M P	5 1/4" x 18"	M P	
	30'	3 1/2" x 16" ⁽³⁾	P	5 1/4" x 16" ⁽³⁾	M P	5 1/4" x 18" ⁽³⁾	M P	
		3 1/2" x 18" ⁽³⁾	M P	7" x 14"	P	7" x 16"	P	
	36'	5 1/4" x 14"	M P	5 1/4" x 16"	M P	5 1/4" x 18"	M P	
		5 1/4" x 16" ⁽³⁾	T M P	5 1/4" x 18" ⁽³⁾	M P	5 1/4" x 20" ⁽³⁾	M	
7" x 14"	P	7" x 16"	P	7" x 18" ⁽³⁾	P			

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