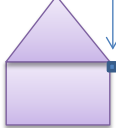
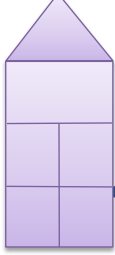
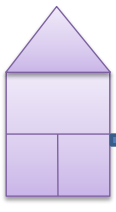

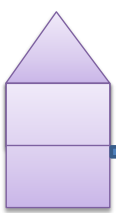


GIRDERS AND HEADERS SUPPORTING	SIZE	GROUND SNOW LOAD (PSF) <sup>e</sup>						GIRDERS AND HEADERS SUPPORTING	SIZE	GROUND SNOW LOAD (PSF) <sup>e</sup>					
		30								30					
		Building width <sup>c</sup> (feet)								Building width <sup>c</sup> (feet)					
		12		24		36				12		24		3	
		Span <sup>f</sup>	NJ <sup>d</sup>	Span <sup>f</sup>	NJ <sup>d</sup>	Span <sup>f</sup>	NJ <sup>d</sup>	Span <sup>f</sup>	NJ <sup>d</sup>	Span <sup>f</sup>	NJ <sup>d</sup>	Span <sup>f</sup>			
<b>ROOF &amp; CEILING</b> HEADER, TYP. 	1-2 x 6	4-0	1	3-1	2	2-7	2	<b>ROOF, CEILING &amp; TWO CENTER-BEARING FLOORS</b> 	1-2 x 6	2-8	2	2-1	2	1-10	
	1-2 x 8	5-1	2	3-11	2	3-3	2		1-2 x 8	3-5	2	2-8	2	2-4	
	1-2 x 10	6-0	2	4-8	2	3-11	2		1-2 x 10	4-0	2	3-2	3	2-9	
	1-2 x 12	7-1	2	5-5	2	4-7	3		1-2 x 12	4-9	3	3-9	3	3-2	
	2-2 x 4	4-0	1	3-1	1	2-7	1		2-2 x 4	2-8	1	2-1	1	1-9	
	2-2 x 6	6-0	1	4-7	1	3-10	1		2-2 x 6	4-0	1	3-2	2	2-8	
	2-2 x 8	7-7	1	5-9	1	4-10	2		2-2 x 8	5-0	2	4-0	2	3-5	
	2-2 x 10	9-0	1	6-10	2	5-9	2		2-2 x 10	6-0	2	4-9	2	4-0	
	2-2 x 12	10-7	2	8-1	2	6-10	2		2-2 x 12	7-0	2	5-7	2	4-9	
	3-2 x 8	9-5	1	7-3	1	6-1	1		3-2 x 8	6-4	1	5-0	2	4-3	
	3-2 x 10	11-3	1	8-7	1	7-3	2		3-2 x 10	7-6	2	5-11	2	5-1	
	3-2 x 12	13-2	1	10-1	2	8-6	2		3-2 x 12	8-10	2	7-0	2	5-11	
	4-2 x 8	11-11	1	8-4	1	7-0	1		4-2 x 8	7-3	1	5-9	1	4-11	
	4-2 x 10	12-11	1	9-11	1	8-4	1		4-2 x 10	8-8	1	6-10	2	5-10	
4-2 x 12	15-3	1	11-8	1	9-10	2	4-2 x 12	10-2	2	8-1	2	6-10			
<b>ROOF, CEILING &amp; ONE CENTER-BEARING FLOOR</b> 	1-2 x 6	3-3	1	2-7	2	2-2	2	<b>ROOF, CEILING &amp; TWO CLEAR-SPAN FLOORS</b> 	1-2 x 6	2-3	2	1-9	2	1-5	
	1-2 x 8	4-1	2	3-3	2	2-9	2		1-2 x 8	2-10	2	2-2	3	1-10	
	1-2 x 10	4-11	2	3-10	2	3-3	3		1-2 x 10	3-4	2	2-7	3	2-2	
	1-2 x 12	5-9	2	4-6	3	3-10	3		1-2 x 12	4-0	3	3-0	3	2-7	
	2-2 x 4	3-3	1	2-6	1	2-2	1		2-2 x 4	2-3	1	1-8	1	1-4	
	2-2 x 6	4-10	1	3-9	1	3-3	2		2-2 x 6	3-4	1	2-6	2	2-2	
	2-2 x 8	6-1	1	4-10	2	4-1	2		2-2 x 8	4-3	2	3-3	2	2-8	
	2-2 x 10	7-3	2	5-8	2	4-10	2		2-2 x 10	5-0	2	3-10	2	3-2	
	2-2 x 12	8-6	2	6-8	2	5-8	2		2-2 x 12	5-11	2	4-6	3	3-9	
	3-2 x 8	7-8	1	6-0	1	5-1	2		3-2 x 8	5-3	1	4-0	2	3-5	
	3-2 x 10	9-1	1	7-2	2	6-1	2		3-2 x 10	6-3	2	4-9	2	4-0	
	3-2 x 12	10-8	2	8-5	2	7-2	2		3-2 x 12	7-5	2	5-8	2	4-9	
	4-2 x 8	8-10	1	6-11	1	5-11	1		4-2 x 8	6-1	1	4-8	2	3-11	
	4-2 x 10	10-6	1	8-3	2	7-0	2		4-2 x 10	7-3	2	5-6	2	4-8	
4-2 x 12	12-4	1	9-8	2	8-3	2	4-2 x 12	8-6	2	6-6	2	5-6			
<b>ROOF, CEILING AND ONE CLEAR-SPAN FLOOR</b> 	1-2 x 6	2-11	2	2-3	2	1-11	2								
	1-2 x 8	3-9	2	2-10	2	2-5	3								
	1-2 x 10	4-5	2	3-5	3	2-10	3								
	1-2 x 12	5-2	2	4-0	3	3-4	3								
	2-2 x 4	2-11	1	2-3	1	1-10	1								
	2-2 x 6	4-4	1	3-4	2	2-10	2								
	2-2 x 8	5-6	2	4-3	2	3-7	2								
	2-2 x 10	6-7	2	5-0	2	4-2	2								
	2-2 x 12	7-9	2	5-11	2	4-11	3								
	3-2 x 8	6-11	1	5-3	2	4-5	2								
	3-2 x 10	8-3	2	6-3	2	5-3	2								
	3-2 x 12	9-8	2	7-5	2	6-2	2								
	4-2 x 8	8-0	1	6-1	1	5-1	2								
	4-2 x 10	9-6	1	7-3	2	6-1	2								
4-2 x 12	11-2	2	8-6	2	7-2	2									

a, Spans are given in feet and inches.  
 b, Spans are based on minimum design properties for No. 2 grade lumber of Douglas fir-larch, hem-fir, Southern pine and spruce-pine-fir.  
 c, Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.  
 d, NJ = Number of jack studs required to support each end. Where the number of required jack studs equals one, the header is permitted to be supported by an approved framing anchor attached to the full-height wall stud and to the header.  
 e, Use 30 psf ground snow load for cases in which ground snow load is less than 30 psf and the roof live load is equal to or less than 20 psf.  
 f, Spans are calculated assuming the top of the header or girder is laterally braced by perpendicular framing. Where the top of the header or girder is not laterally braced (example, cripple studs bearing on the header), Tabulated spans for headers consisting of 2x8, 2x10 or 2x12 sizes shall be multiplied by 0.70 or the header or girder shall be designed.

6
NJ <sup>d</sup>
2
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2
2
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2
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3
3
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