

GIRDER SPANS AND HEADER SPANS FOR EXTERIOR BEARING WALLS

(Maximum spans for Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir and required number of jack studs)

Girders and Headers Supporting	Size	Ground Snow Loads						Girders and Headers Supporting	Size	Ground Snow Loads					
		50								50					
		20		28		36				20		28		36	
		Span	NJ*	Span	NJ*	Span	NJ*			Span	NJ*	Span	NJ*	Span	NJ*
Roof and Ceiling	2-2x4	3-2	1	2-9	1	2-6	1	Roof, ceiling and two center-bearing floors	2-2x4	2-6	1	2-2	1	1-11	1
	2-2x6	4-8	1	4-0	1	3-8	2		2-2x6	3-8	2	3-2	2	2-10	2
	2-2x8	5-11	2	5-2	2	4-7	2		2-2x8	4-7	2	4-0	2	3-8	2
	2-2x10	7-3	2	6-3	2	5-7	2		2-2x10	5-8	2	4-11	2	4-5	3
	2-2x12	8-5	2	7-3	2	6-6	2		2-2x12	6-6	2	5-9	3	5-2	3
	3-2x8	7-5	1	6-5	2	5-9	2		3-2x8	5-9	2	5-1	2	4-7	2
	3-2x10	9-1	2	7-10	2	7-0	2		3-2x10	7-1	2	6-2	2	5-7	2
	3-2x12	10-7	2	9-2	2	8-2	2		3-2x12	8-2	2	7-2	2	6-5	3
	4-2x8	6-1	2	5-3	2	4-8	2		4-2x8	4-9	2	4-2	2	3-9	2
	4-2x10	10-6	1	9-1	2	8-2	2		4-2x10	8-2	2	7-2	2	6-5	2
4-2x12	12-2	2	10-7	2	9-5	2	4-2x12	9-5	2	8-3	2	7-5	2		
Roof, ceiling and one center-bearing floor	2-2x4	2-9	1	2-5	1	2-2	1	Roof, ceiling and two clear span floor	2-2x4	2-0	1	1-8	1	1-5	2
	2-2x6	4-0	1	3-7	2	3-3	2		2-2x6	3-0	2	2-7	2	2-3	2
	2-2x8	5-2	2	4-6	2	4-0	2		2-2x8	3-10	2	3-4	2	2-11	3
	2-2x10	6-4	2	5-6	2	5-0	2		2-2x10	4-8	2	4-0	3	3-7	3
	2-2x12	7-4	2	6-5	2	5-9	3		2-2x12	5-5	3	4-8	3	4-2	3
	3-2x8	6-5	2	5-8	2	5-1	2		3-2x8	4-9	2	4-1	2	3-8	2
	3-2x10	7-11	2	6-11	2	6-3	2		3-2x10	5-10	2	5-0	2	4-6	3
	3-2x12	9-2	2	8-1	2	7-3	2		3-2x12	6-9	2	5-10	3	5-3	3
	4-2x8	5-3	2	4-7	2	4-2	2		4-2x8	5-6	2	4-9	2	4-3	2
	4-2x10	9-1	2	8-1	2	7-2	2		4-2x10	6-9	2	5-10	2	5-2	2
4-2x12	10-7	2	9-3	2	8-4	2	4-2x12	7-9	2	6-9	2	6-0	3		
Roof, ceiling and one clear span floor	2-2x4	2-7	1	2-3	1	2-1	1	* Number of jacks.							
	2-2x6	3-10	2	3-4	2	3-1	2								
	2-2x8	4-10	2	4-2	2	3-9	2								
	2-2x10	5-11	2	5-1	2	4-7	3								
	2-2x12	6-10	2	5-11	3	5-4	3								
	3-2x8	6-1	2	5-3	2	4-8	2								
	3-2x10	7-5	2	6-5	2	5-9	2								
	3-2x12	8-7	2	7-5	2	6-8	2								
	4-2x8	4-11	2	4-3	2	3-10	2								
	4-2x10	8-7	2	7-5	2	6-7	2								
4-2x12	9-11	2	8-7	2	7-8	2									

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