

TABLE XX		MINIMUM NUMBER FULL-HEIGHT STUDS EACH END OF HEADERS IN EXTERIOR WALLS T602.7.5	
Maximum Header Span (ft.)	Ultimate Design Wind Speed & Exposure Category		
	≤140 mph Exposure B or ≤130 mph Exposure C	≤115 mph Exposure B	
4	1	1	
6	2	1	
8	2	1	
10	3	2	
12	3	2	
14	3	2	
16	4	2	
18	4	2	

TABLE XX		ALLOWABLE GIRDER & HEADER SPANS IN EXTERIOR BEARING WALLS [T502.5(1)]					
Support	Min. Size	Building Width ^A					
		20 ft.		28 ft.		36 ft.	
		Span ^B	NJ ^C	Span ^B	NJ ^C	Span ^B	NJ ^C
Roof & Ceiling	2-2x4	3-6	1	3-2	1	2-10	1
	2-2x6	5-5	1	4-8	1	4-2	1
	2-2x8	6-10	1	5-11	2	5-4	2
	2-2x10	8-5	2	7-3	2	6-6	2
	2-2x12	9-9	2	8-5	2	7-6	2
Roof, Ceiling & 1 Center-Bearing Floor	2-2x4	3-1	1	2-9	1	2-5	1
	2-2x6	4-6	1	4-0	1	3-7	2
	2-2x8	5-9	2	5-0	2	4-6	2
	2-2x10	7-0	2	6-2	2	5-6	2
	2-2x12	8-1	2	7-1	2	6-5	2
Roof, Ceiling & 1 Clear-Span Floor	2-2x4	2-8	1	2-4	1	2-1	1
	2-2x6	3-11	1	3-5	2	3-0	2
	2-2x8	5-0	2	4-4	2	3-10	2
	2-2x10	6-1	2	5-3	2	4-8	2
	2-2x12	7-1	2	6-1	2	5-5	2
Roof, Ceiling & 2 Center-Bearing Floors	2-2x4	2-7	1	2-3	1	2-0	1
	2-2x6	3-9	2	3-3	2	2-11	2
	2-2x8	4-9	2	4-2	2	3-9	2
	2-2x10	5-9	2	5-1	2	4-7	3
	2-2x12	6-8	2	5-10	3	5-3	3

A. Based on built-up #2 grade Douglas fir-larch lumber & a 30 lb. ground snow load. Building widths are measured perpendicular to the ridge.
B. Spans are given in feet & inches (ft.-in).
C. NJ = number of jack studs under each end. If the number is 1, the header is permitted to be supported by framing anchors attached to full-length wall studs & the header.

TABLE XX		ALLOWABLE GIRDER & HEADER SPANS IN INTERIOR BEARING WALLS [T502.5(2)]					
No. of floors supported	Min. Size	Building Width ^A					
		20 ft.		28 ft.		36 ft.	
		Span ^B	NJ ^C	Span ^B	NJ ^C	Span ^B	NJ ^C
1	2-2x4	3-1	1	2-8	1	2-5	1
	2-2x6	4-6	1	3-11	1	3-6	1
	2-2x8	5-9	1	5-0	2	4-5	2
	2-2x10	7-0	2	6-1	2	5-5	2
	2-2x12	8-1	2	7-0	2	6-3	2
	3-2x8	7-2	1	6-3	1	5-7	2
	3-2x10	8-9	1	7-7	2	6-9	2
	3-2x12	10-2	2	8-10	2	7-10	2
2	2-2x4	2-2	1	1-10	1	1-7	1
	2-2x6	3-2	2	2-9	2	2-5	2
	2-2x8	4-1	2	3-6	2	3-2	2
	2-2x10	4-11	2	4-3	2	3-10	3
	2-2x12	5-9	2	5-0	3	4-5	3
	3-2x8	5-1	2	4-5	2	3-11	2
	3-2x10	6-2	2	5-4	2	4-10	2
	3-2x12	7-2	2	6-3	2	5-7	3

A. Based on built-up #2 grade Douglas fir-larch lumber. Building widths are measured perpendicular to the ridge.
B. Spans are given in feet & inches (ft.-in).
C. NJ = number of jack studs under each end. If the number is 1, the header is permitted to be supported by framing anchors attached to full-length wall studs & the header.

TABLE XX		JOISTS SPANS FOR 30 LB. LIVE LOAD [T502.3.1(1)]				
Size	Douglas Fir-larch #2 Spacing o.c.			Southern Pine #2 Spacing o.c.		
	12	16	24	12	16	24
2x6	11-10	10-9	9-1	11-10	10-9	9-4
2x8	15-7	14-1	11-6	15-7	14-2	12-4
2x10	19-10	17-2	14-1	19-10	18-0	14-8
2x12	23-0	19-11	16-3	24-2	21-1	17-2

Measurements given in feet & inches (ft.-in.).
Dead load = 10 psf

TABLE XX		JOISTS SPANS FOR 40 LB. LIVE LOAD [T502.3.1(2)]				
Size	Douglas Fir-larch #2 Spacing o.c.			Southern Pine #2 Spacing o.c.		
	12	16	24	12	16	24
2x6	10-9	9-9	8-1	10-9	9-9	8-6
2x8	14-2	12-7	10-3	14-2	12-10	10-0
2x10	17-9	15-5	12-7	18-0	16-1	13-1
2x12	20-7	17-10	14-7	21-9	18-10	15-5

Measurements given in feet & inches (ft.-in.).
Dead load = 10 psf