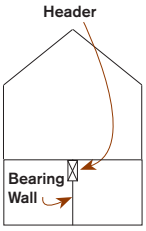
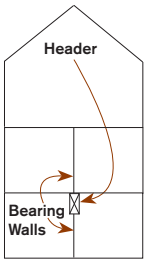
Supplemental Tables for Code Check 9th edition - based on the 2018 & 2021 Codes

(Table numbers from Code Check Complete 3rd edition)

TABLE 35 ALLOWABLE GIRDER & HEADER SPANS FOR INTERIOR BEARING WALLS[A] ◆ T602.7(2)

No. of floors supported	Size	Building Width[B] 12 ft. Span[C]	12 ft. NJ[D]	24 ft. Span[C]	24 ft. NJ[D]	36 ft. Span[C]	36 ft. NJ[D]
1 	2–2×4	4–1	1	2–10	1	2–4	1
	2–2×6	6–1	1	4–4	1	3–6	1
	2–2×8	7–9	1	5–5	1	4–5	2
	2–2×10	9–2	1	6–6	2	5–3	2
	2–2×12	10–9	1	7–7	2	6–3	2
	3–2×8	9–8	1	6–10	1	5–7	1
	3–2×10	11–5	1	8–1	1	6–7	2
	3–2×12	13–6	1	9–6	2	7–9	2
	4–2×8	11–2	1	7–11	1	6–5	1
	4–2×10	13–3	1	9–4	1	7–8	1
	4–2×12	15–7	1	11–0	1	9–0	2
2 	2–2×4	2–7	1	1–11	1	1–7	1
	2–2×6	3–11	1	2–11	2	2–5	2
	2–2×8	5–0	1	3–8	2	3–1	2
	2–2×10	5–11	2	4–4	2	3–7	2
	2–2×12	6–11	2	5–2	2	4–3	3
	3–2×8	6–3	1	4–7	2	3–10	2
	3–2×10	7–5	1	5–6	2	4–6	2
	3–2×12	8–8	2	6–5	2	5–4	2
	4–2×8	7–2	1	5–4	1	4–5	2
	4–2×10	8–6	1	6–4	2	5–3	2
	4–2×12	10–1	1	7–5	2	6–2	2

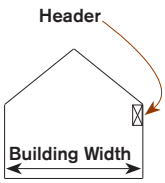
A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in **F60**), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

TABLE 37 MIN NUMBER OF FULL-HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS ◆ T602.7.5

Max header span (ft.)	Ultimate Design Wind Speed & Exposure Category: < 140 mph Exposure B, < 130 mph Exposure C	≤ 115 mph Exposure B[A]
4	1	1
6	2	1
8	2	1
10	3	2
12	3	2
14	3	2
16	4	2
18	4	2

A. If framing anchors used in lieu of jack studs (see note D in **T35,36**) min. number of full height studs per center column, not right-hand column.

TABLE 36A GIRDER & HEADER SPANS IN FEET-INCHES FOR EXTERIOR BEARING WALLS[A] ◆ T602.7(1)

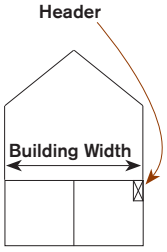


Girders & Headers Supporting Roof + Ceiling

Nominal Sizes	Ground Snow Load: 30 psf, Building Width[B] (ft.) 12 Span[C]	12 NJ[D]	24 Span[C]	24 NJ[D]	36 Span[C]	36 NJ[D]	50 psf 12 Span[C]	12 NJ[D]	24 Span[C]	24 NJ[D]	36 Span[C]	36 NJ[D]	70 psf 12 Span[C]	12 NJ[D]	24 Span[C]	24 NJ[D]	36 Span[C]	36 NJ[D]
1– 2 × 6	4–0	1	3–1	2	2–7	2	3–5	1	2–8	2	2–3	2	3–0	2	2–4	2	2–0	2
1– 2 × 8	5–1	2	3–11	2	3–3	2	4–4	2	3–4	2	2–10	2	3–10	2	3–0	2	2–6	3
1– 2 × 10	6–0	2	4–8	2	3–11	2	5–2	2	4–0	2	3–4	3	4–7	2	3–6	3	3–0	3
1– 2 × 12	7–1	2	5–5	2	4–7	3	6–1	2	4–8	3	3–11	3	5–5	2	4–2	3	3–6	3
2– 2 × 4	4–0	1	3–1	1	2–7	1	3–5	1	2–7	1	2–2	1	3–0	1	2–4	1	2–0	1
2– 2 × 6	6–0	1	4–7	1	3–10	1	5–1	1	3–11	1	3–3	2	4–6	1	3–6	2	2–11	2
2– 2 × 8	7–7	1	5–9	1	4–10	2	6–5	1	5–0	2	4–2	2	5–9	1	4–5	2	3–9	2
2– 2 × 10	9–0	1	6–10	2	5–9	2	7–8	2	5–11	2	4–11	2	6–9	2	5–3	2	4–5	2
2– 2 × 12	10–7	2	8–1	2	6–10	2	9–0	2	6–11	2	5–10	2	8–0	2	6–2	2	5–2	3
3– 2 × 8	9–5	1	7–3	1	6–1	1	8–1	1	6–3	1	5–3	2	7–2	1	5–6	2	4–8	2
3– 2 × 10	11–3	1	8–7	1	7–3	2	9–7	1	7–4	2	6–2	2	8–6	1	6–7	2	5–6	2
3– 2 × 12	13–2	1	10–1	2	8–6	2	11–3	2	8–8	2	7–4	2	10–0	2	7–9	2	6–6	2
4– 2 × 8	10–11	1	8–4	1	7–0	1	9–4	1	7–2	1	6–0	1	8–3	1	6–4	1	5–4	2
4– 2 × 10	12–11	1	9–11	1	8–4	1	11–1	1	8–6	1	7–2	2	9–10	1	7–7	2	6–4	2
4– 2 × 12	15–3	1	11–8	1	9–10	2	13–0	1	10–0	2	8–5	2	11–7	1	8–11	2	7–6	2

A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in **F60**), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

TABLE 36B GIRDER & HEADER SPANS IN FEET-INCHES FOR EXTERIOR BEARING WALLS[A] ◆ T602.7(1)

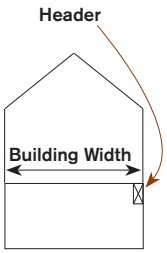


Girders & headers supporting roof + ceiling + 1 center bearing floor

Nominal Sizes	Ground Snow Load																	
	30 psf						50 psf						70 psf					
	Building Width[B] (ft.)																	
	12		24		36		12		24		36		12		24		36	
	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]
1– 2 × 6	3–3	1	2–7	2	2–2	2	3–0	2	2–4	2	2–0	2	2–9	2	2–2	2	1–10	2
1– 2 × 8	4–1	2	3–3	2	2–9	2	3–9	2	3–0	2	2–6	3	3–6	2	2–9	2	2–4	3
1– 2 × 10	4–11	2	3–10	2	3–3	3	4–6	2	3–6	3	3–0	3	4–1	2	3–3	3	2–9	3
1– 2 × 12	5–9	2	4–6	3	3–10	3	5–3	2	4–2	3	3–6	3	4–10	3	3–10	3	3–3	4
2– 2 × 4	3–3	1	2–6	1	2–2	1	3–0	1	2–4	1	2–0	1	2–8	1	2–2	1	1–10	1
2– 2 × 6	4–10	1	3–9	1	3–3	2	4–5	1	3–6	2	3–0	2	4–1	1	3–3	2	2–9	2
2– 2 × 8	6–1	1	4–10	2	4–1	2	5–7	2	4–5	2	3–9	2	5–2	2	4–1	2	3–6	2
2– 2 × 10	7–3	2	5–8	2	4–10	2	6–8	2	5–3	2	4–5	2	6–1	2	4–10	2	4–1	2
2– 2 × 12	8–6	2	6–8	2	5–8	2	7–10	2	6–2	2	5–3	3	7–2	2	5–8	2	4–10	3
3– 2 × 8	7–8	1	6–0	1	5–1	2	7–0	1	5–6	2	4–8	2	6–5	1	5–1	2	4–4	2
3– 2 × 10	9–1	1	7–2	2	6–1	2	8–4	1	6–7	2	5–7	2	7–8	2	6–1	2	5–2	2
3– 2 × 12	10–8	2	8–5	2	7–2	2	9–10	2	7–8	2	6–7	2	9–0	2	7–1	2	6–1	2
4– 2 × 8	8–10	1	6–11	1	5–11	1	8–1	1	6–4	1	5–5	2	7–5	1	5–11	1	5–0	2
4– 2 × 10	10–6	1	8–3	2	7–0	2	9–8	1	7–7	2	6–5	2	8–10	1	7–0	2	6–0	2
4– 2 × 12	12–4	1	9–8	2	8–3	2	11–4	2	8–11	2	7–7	2	10–4	2	8–3	2	7–0	2

A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in F60), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

TABLE 36C GIRDER & HEADER SPANS IN FEET-INCHES FOR EXTERIOR BEARING WALLS[A] ◆ T602.7(1)

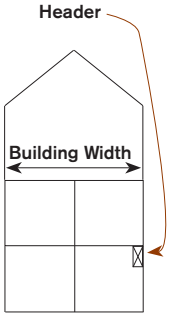


Girders & headers supporting roof + ceiling + 1 clear span floor

Nominal Sizes	Ground Snow Load																	
	30 psf						50 psf						70 psf					
	Building Width[B] (ft.)																	
	12		24		36		12		24		36		12		24		36	
	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]
1– 2 × 6	2–11	2	2–3	2	1–11	2	2–9	2	2–1	2	1–9	2	2–7	2	2–0	2	1–8	2
1– 2 × 8	3–9	2	2–10	2	2–5	3	3–6	2	2–8	2	2–3	3	3–3	2	2–6	3	2–2	3
1– 2 × 10	4–5	2	3–5	3	2–10	3	4–2	2	3–2	3	2–8	3	3–11	2	3–0	3	2–6	3
1– 2 × 12	5–2	2	4–0	3	3–4	3	4–10	3	3–9	3	3–2	4	4–7	3	3–6	3	3–0	4
2– 2 × 4	2–11	1	2–3	1	1–10	1	2–9	1	2–1	1	1–9	1	2–7	1	2–0	1	1–8	1
2– 2 × 6	4–4	1	3–4	2	2–10	2	4–1	1	3–2	2	2–8	2	3–10	1	3–0	2	2–6	2
2– 2 × 8	5–6	2	4–3	2	3–7	2	5–2	2	4–0	2	3–4	2	4–10	2	3–9	2	3–2	2
2– 2 × 10	6–7	2	5–0	2	4–2	2	6–1	2	4–9	2	4–0	2	5–9	2	4–5	2	3–9	3
2– 2 × 12	7–9	2	5–11	2	4–11	3	7–2	2	5–7	2	4–8	3	6–9	2	5–3	3	4–5	3
3– 2 × 8	6–11	1	5–3	2	4–5	2	6–5	1	5–0	2	4–2	2	6–1	1	4–8	2	4–0	2
3– 2 × 10	8–3	2	6–3	2	5–3	2	7–8	2	5–11	2	5–0	2	7–3	2	5–7	2	4–8	2
3– 2 × 12	9–8	2	7–5	2	6–2	2	9–0	2	7–0	2	5–10	2	8–6	2	6–7	2	5–6	3
4– 2 × 8	8–0	1	6–1	1	5–1	2	7–5	1	5–9	2	4–10	2	7–0	1	5–5	2	4–7	2
4– 2 × 10	9–6	1	7–3	2	6–1	2	8–10	1	6–10	2	5–9	2	8–4	1	6–5	2	5–5	2
4– 2 × 12	11–2	2	8–6	2	7–2	2	10–5	2	8–0	2	6–9	2	9–10	2	7–7	2	6–5	2

A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in F60), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

TABLE 36D — GIRDER & HEADER SPANS IN FEET-INCHES FOR EXTERIOR BEARING WALLS[A] ◆ T602.7(1)

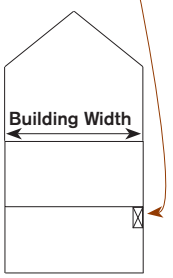


Girders & headers supporting roof + ceiling + 2 center bearing floors

Nominal Sizes	Ground Snow Load																	
	30 psf						50 psf						70 psf					
	Building Width[B] (ft.)																	
	12		24		36		12		24		36		12		24		36	
	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]
1– 2 × 6	2–8	2	2–1	2	1–10	2	2–7	2	2–0	2	1–9	2	2–5	2	1–11	2	1–8	2
1– 2 × 8	3–5	2	2–8	2	2–4	3	3–3	2	2–7	2	2–2	3	3–1	2	2–5	3	2–1	3
1– 2 × 10	4–0	2	3–2	3	2–9	3	3–10	2	3–1	3	2–7	3	3–8	2	2–11	3	2–5	3
1– 2 × 12	4–9	3	3–9	3	3–2	4	4–6	3	3–7	3	3–1	4	4–3	3	3–5	3	2–11	4
2– 2 × 4	2–8	1	2–1	1	1–9	1	2–6	1	2–0	1	1–8	1	2–5	1	1–11	1	1–7	1
2– 2 × 6	4–0	1	3–2	2	2–8	2	3–9	1	3–0	2	2–7	2	3–7	1	2–10	2	2–5	2
2– 2 × 8	5–0	2	4–0	2	3–5	2	4–10	2	3–10	2	3–3	2	4–7	2	3–7	2	3–1	2
2– 2 × 10	6–0	2	4–9	2	4–0	2	5–8	2	4–6	2	3–10	3	5–5	2	4–3	2	3–8	3
2– 2 × 12	7–0	2	5–7	2	4–9	3	6–8	2	5–4	3	4–6	3	6–4	2	5–0	3	4–3	3
3– 2 × 8	6–4	1	5–0	2	4–3	2	6–0	1	4–9	2	4–1	2	5–8	2	4–6	2	3–10	2
3– 2 × 10	7–6	2	5–11	2	5–1	2	7–1	2	5–8	2	4–10	2	6–9	2	5–4	2	4–7	2
3– 2 × 12	8–10	2	7–0	2	5–11	2	8–5	2	6–8	2	5–8	3	8–0	2	6–4	2	5–4	3
4– 2 × 8	7–3	1	5–9	1	4–11	2	6–11	1	5–6	2	4–8	2	6–7	1	5–2	2	4–5	2
4– 2 × 10	8–8	1	6–10	2	5–10	2	8–3	2	6–6	2	5–7	2	7–10	2	6–2	2	5–3	2
4– 2 × 12	10–2	2	8–1	2	6–10	2	9–8	2	7–8	2	6–7	2	9–2	2	7–3	2	6–2	2

A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in F60), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

TABLE 36E — GIRDER & HEADER SPANS IN FEET-INCHES FOR EXTERIOR BEARING WALLS[A] ◆ T602.7(1)



Girders & headers supporting roof + ceiling + 2 clear span floors

Nominal Sizes	Ground Snow Load																	
	30 psf						50 psf						70 psf					
	Building Width[B] (ft.)																	
	12		24		36		12		24		36		12		24		36	
	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]	Span[C]	NJ[D]
1– 2 × 6	2–3	2	1–9	2	1–5	2	2–3	2	1–9	2	1–5	3	2–2	2	1–8	2	1–5	3
1– 2 × 8	2–10	2	2–2	3	1–10	3	2–10	2	2–2	3	1–10	3	2–9	2	2–1	3	1–10	3
1– 2 × 10	3–4	2	2–7	3	2–2	3	3–4	3	2–7	3	2–2	4	3–3	3	2–6	3	2–2	4
1– 2 × 12	4–0	3	3–0	3	2–7	4	4–0	3	3–0	4	2–7	4	3–10	3	3–0	4	2–6	4
2– 2 × 4	2–3	1	1–8	1	1–4	1	2–3	1	1–8	1	1–4	1	2–2	1	1–8	1	1–4	2
2– 2 × 6	3–4	1	2–6	2	2–2	2	3–4	2	2–6	2	2–2	2	3–3	2	2–6	2	2–1	2
2– 2 × 8	4–3	2	3–3	2	2–8	2	4–3	2	3–3	2	2–8	2	4–1	2	3–2	2	2–8	3
2– 2 × 10	5–0	2	3–10	2	3–2	3	5–0	2	3–10	2	3–2	3	4–10	2	3–9	3	3–2	3
2– 2 × 12	5–11	2	4–6	3	3–9	3	5–11	2	4–6	3	3–9	3	5–8	2	4–5	3	3–9	3
3– 2 × 8	5–3	1	4–0	2	3–5	2	5–3	2	4–0	2	3–5	2	5–1	2	3–11	2	3–4	2
3– 2 × 10	6–3	2	4–9	2	4–0	2	6–3	2	4–9	2	4–0	2	6–1	2	4–8	2	4–0	3
3– 2 × 12	7–5	2	5–8	2	4–9	3	7–5	2	5–8	2	4–9	3	7–2	2	5–6	3	4–8	3
4– 2 × 8	6–1	1	4–8	2	3–11	2	6–1	1	4–8	2	3–11	2	5–11	1	4–7	2	3–10	2
4– 2 × 10	7–3	2	5–6	2	4–8	2	7–3	2	5–6	2	4–8	2	7–0	2	5–5	2	4–7	2
4– 2 × 12	8–6	2	6–6	2	5–6	2	8–6	2	6–6	2	5–6	2	8–3	2	6–4	2	5–4	3

A. Based on No. 2 grade Douglas fir-larch, hem-fir, Southern pine, and spruce-pine-fir.
B. Building width is measured perpendicular to ridge. For building widths between those shown, spans listed in table are permitted to be interpolated.
C. Where top of header not laterally braced (e.g., cripple studs bearing on header as in F60), spans for 2 × 8, 2 × 10, or 2 × 12 to be multiplied by 0.70.
D. Number of jack studs reqd to support each end. If NJ=1, headers are permitted to be supported by an approved framing anchor to the full-height wall stud.

Supplemental Tables for Code Check Building 4th edition - based on the 2015 Codes

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	2–2×4	3–6	1	3–2	1	2–10	1
	2–2×6	5–5	1	4–8	1	4–2	1
	2–2×8	6–10	1	5–11	2	5–4	2
	2–2×10	8–5	2	7–3	2	6–6	2
	2–2×12	9–9	2	8–5	2	7–6	2
Roof, Ceiling & 1 Center-Bearing Floor	2–2×4	3–1	1	2–9	1	2 5	1
	2–2×6	4–6	1	4–0	1	3–7	2
	2–2×8	5–9	2	5–0	2	4–6	2
	2–2×10	7–0	2	6–2	2	5–6	2
	2–2×12	8–1	2	7–1	2	6–5	2
Roof, Ceiling & 1 Clear-Span Floor	2–2×4	2–8	1	2–4	1	2–1	1
	2–2×6	3–11	1	3–5	2	3–0	2
	2–2×8	5–0	2	4–4	2	3–10	2
	2–2×10	6–1	2	5–3	2	4–8	2
	2–2×12	7–1	2	6–1	2	5–5	2
Roof, Ceiling & 2 Center-Bearing Floors	2–2×4	2–7	1	2–3	1	2–0	1
	2–2×6	3–9	2	3–3	2	2–11	2
	2–2×8	4–9	2	4–2	2	3–9	2
	2–2×10	5–9	2	5–1	2	4–7	3
	2–2×12	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 — 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 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	2–2×4	3–1	1	2–8	1	2–5	1
	2–2×6	4–6	1	3–11	1	3–6	1
	2–2×8	5–9	1	5–0	2	4–5	2
	2–2×10	7–0	2	6–1	2	5–5	2
	2–2×12	8–1	2	7–0	2	6–3	2
	3–2×8	7–2	1	6–3	1	5–7	2
	3–2×10	8–9	1	7–7	2	6–9	2
	3–2×12	10–2	2	8–10	2	7–10	2
2	2–2×4	2–2	1	1–10	1	1–7	1
	2–2×6	3–2	2	2–9	2	2–5	2
	2–2×8	4–1	2	3–6	2	3–2	2
	2–2×10	4–11	2	4–3	2	3–10	3
	2–2×12	5–9	2	5–0	3	4–5	3
	3–2×8	5–1	2	4–5	2	3–11	2
	3–2×10	6–2	2	5–4	2	4–10	2
	3–2×12	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
2×6	11–10	10–9	9–1	11–10	10–9	9–4
2×8	15 – 7	14–1	11–6	15–7	14–2	12–4
2×10	19–10	17–2	14–1	19–10	18–0	14–8
2×12	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
2×6	10–9	9–9	8–1	10–9	9–9	8–6
2×8	14–2	12–7	10–3	14–2	12–10	10–0
2×10	17–9	15–5	12–7	18–0	16–1	13–1
2×12	20–7	17–10	14–7	21–9	18–10	15–5

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