

CEILING JOIST SPANS¹**20# LIVE LOAD 10# DEAD LOAD
L/240****Design Criteria:** *Strength* - 10 lbs. per sq. ft. dead load plus 20 lbs. per sq. ft. live load.
Deflection - Limited in span in inches divided by 240 for live load only.

Species or Group		Span (feet and inches)															
		2 x 6				2 x 8				2 x 10				2 x 12			
		spacing on center															
Grade	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	
Douglas Fir-Larch	Sel. Struc.	16-4	14-11	14-0	13-0	21-7	19-7	18-5	17-2	27-6	25-0	23-7	21-3	33-6	30-2	27-6	24-8
	1 & Btr.	16-1	14-7	13-9	12-3	21-2	19-1	17-5	15-7	26-10	23-3	21-3	19-0	31-2	27-0	24-8	22-0
	No. 1	15-9	13-9	12-6	11-2	20-1	17-5	15-10	14-2	24-6	21-3	19-5	17-4	28-5	24-8	22-6	20-1
	No. 2	15-0	13-0	11-11	10-8	19-1	16-6	15-1	13-6	23-3	20-2	18-5	16-5	27-0	23-4	21-4	19-1
	No. 3	11-6	9-11	9-1	8-1	14-7	12-7	11-6	10-3	17-9	15-5	14-1	12-7	20-7	17-10	16-3	14-7
Douglas Fir-South	Sel. Struc.	14-9	13-5	12-8	11-9	19-6	17-9	16-8	15-6	24-10	22-7	21-3	19-9	30-3	27-6	25-10	23-4
	No. 1	14-5	13-1	12-1	10-9	19-0	16-9	15-3	13-8	23-7	20-5	18-8	16-8	27-4	23-8	21-7	19-4
	No. 2	14-1	12-8	11-7	10-4	18-6	16-0	14-8	13-1	22-7	19-7	17-10	16-0	26-3	22-8	20-9	18-6
	No. 3	11-2	9-8	8-10	7-11	14-2	12-4	11-3	10-0	17-4	15-0	13-8	12-3	20-1	17-5	15-11	14-3
Hem-Fir	Sel. Struc.	15-6	14-1	13-3	12-3	20-5	18-6	17-5	16-2	26-0	23-8	22-3	20-6	31-8	28-9	26-7	23-9
	1 & Btr.	15-2	13-9	12-11	11-9	19-11	18-2	16-8	14-11	25-5	22-3	20-4	18-2	29-10	25-10	23-7	21-1
	No. 1	15-2	13-7	12-4	11-1	19-10	17-2	15-8	14-0	24-3	21-0	19-2	17-1	28-1	24-4	22-2	19-10
	No. 2	14-5	12-8	11-7	10-4	18-6	16-0	14-8	13-1	22-7	19-7	17-10	16-0	26-3	22-8	20-9	18-6
	No. 3	11-2	9-8	8-10	7-11	14-2	12-4	11-3	10-0	17-4	15-0	13-8	12-3	20-1	17-5	15-11	14-3
Spruce- Pine-Fir (South)	Sel. Struc.	14-5	13-1	12-4	11-5	19-0	17-3	16-3	15-1	24-3	22-1	20-9	19-3	29-6	26-10	25-3	22-11
	No. 1	14-1	12-9	11-9	10-6	18-6	16-3	14-10	13-3	22-11	19-10	18-2	16-3	26-7	23-0	21-0	18-10
	No. 2	13-8	12-1	11-0	9-10	17-8	15-4	14-0	12-6	21-7	18-8	17-1	15-3	25-0	21-8	19-9	17-8
	No. 3	10-8	9-3	8-5	7-6	13-6	11-8	10-8	9-6	16-5	14-3	13-0	11-8	19-1	16-6	15-1	13-6
Western Woods	Sel. Struc.	14-1	12-9	11-11	10-8	18-6	16-6	15-1	13-6	23-3	20-2	18-5	16-5	27-0	23-4	21-4	19-1
	No. 1	13-0	11-3	10-4	9-3	16-6	14-3	13-0	11-8	20-2	17-5	15-11	14-3	23-4	20-3	18-6	16-6
	No. 2	13-0	11-3	10-4	9-3	16-6	14-3	13-0	11-8	20-2	17-5	15-11	14-3	23-4	20-3	18-6	16-6
	No. 3	9-8	8-5	7-8	6-10	12-4	10-8	9-9	8-8	15-0	13-0	11-10	10-7	17-5	15-1	13-9	12-4

¹ Refer to footnote at bottom of page 14.