

No. 2 Grade Wood Members and "I" Joists Span Tables

Floor joists				40#LL + 10#DL						L/360		
	2 x 6			2 x 8			2 x 10			2 x 12		
	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC
Douglas Fir-Larch Hem-Fir	10-9	9-9	8-3	14-2	12-9	10-5	18-0	15-7	12-9	20-11	18-1	14-9
	10-0	9-1	7-11	13-2	12-0	10-2	16-10	15-2	12-5	20-4	17-7	14-4
Southern Pine S-P-F	10-3	9-4	7-7	13-6	11-10	9-8	16-2	14-0	11-5	19-1	16-6	13-6
	10-3	9-4	8-1	13-6	12-3	10-3	17-3	15-5	12-7	20-7	17-10	14-7
Western Cedars	9-2	8-4	7-3	12-1	11-0	9-2	15-5	13-9	11-3	18-5	16-0	13-0
TJI® /15	Flange Width = 1 1/2"						18-9	17-2	15-1	22-4	20-5	15-1
TJI® /25	Flange Width = 1 3/4"						19-7	17-11	15-9	23-4	21-4	18-4
LPI™ 32	Flange Width = 2 1/2"						19-0	18-6	15-11	23-9	22-0	18-10
Rafters: Flat ceiling rooms; attached and detached garages 35#LL + 10#DL L/180												
	2 x 6			2 x 8			2 x 10			2 x 12		
	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC
Douglas Fir-Larch Hem-Fir	11-5	9-10	8-1	14-5	12-6	10-3	17-8	15-3	12-6	20-5	17-9	14-6
	11-1	9-7	7-10	14-0	12-2	9-11	17-2	14-10	12-1	19-11	17-3	14-1
S-P-F	11-3	9-9	7-11	14-3	12-4	10-1	17-5	15-1	12-4	20-2	17-6	14-3
Rafters: Vaulted ceilings				35#LL + 10#DL						L/240		
	2 x 6			2 x 8			2 x 10			2 x 12		
	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC
Douglas Fir-Larch Hem-Fir	11-5	9-10	8-1	14-5	12-6	10-3	17-8	15-3	12-6	20-5	17-9	14-6
	10-8	9-7	7-10	14-0	12-2	9-11	17-2	14-10	12-1	19-11	17-3	14-1
S-P-F	10-11	9-9	7-11	14-3	12-4	10-1	17-5	15-1	12-4	20-2	17-6	14-3
TJI® /15	Low Slope: Roof Pitch 6:12 or less						—	17-4	15-1	—	20-11	17-1
TJI® /15	High Slope: Roof Pitch greater than 6:12						—	15-8	13-8	—	18-11	16-5
LPI™ 32	Low Slope: Roof Pitch 6:12 or less						22-6	20-4	16-1	26-10	23-6	19-2
LPI™ 32	High Slope: Roof Pitch greater than 6:12						22-0	19-7	16-0	26-1	22-8	17-7
Ceiling joists				20#LL + 10#DL						L/240		
	2 x 4			2 x 6			2 x 8			2 x 10		
	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC	12"OC	16"OC	24"OC
Douglas Fir-Larch Hem-Fir	9-10	8-11	7-3	15-0	13-0	10-8	19-1	16-6	13-6	23-3	20-2	16-5
	9-2	8-4	7-1	14-5	12-8	10-4	18-6	16-0	13-1	22-7	19-7	16-0
S-P-F	9-5	8-7	7-2	14-9	12-10	10-6	18-9	16-3	13-3	22-11	19-10	16-3