



**City of El Cajon**  
**Building and Fire Safety Division**  
 200 Civic Center Way  
 El Cajon, CA 92020  
 Phone: (619) 441-1726

### CEILING JOIST SPAN CHART

For additional species and span criteria see CBC Table 2308.10.2 and CRC Table R802.4

#### CEILING JOIST SPANS FOR COMMON LUMBER SPECIES (Uninhabitable Attics Without Storage, Live Load = 10 pounds psf, L/Δ = 240)

CEILING JOIST SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 5 pounds per square foot			
		2 x 4	2 x 6	2 x 8	2 x 10
		Maximum ceiling joist spans			
		(ft. - in.)	(ft. - in.)	(ft. - in.)	(ft. - in.)
12	Douglas Fir-Larch SS	13-2	20-8	Note a	Note a
	Douglas Fir-Larch #1	12-8	19-11	Note a	Note a
	Douglas Fir-Larch #2	12-5	19-6	25-8	Note a
	Douglas Fir-Larch #3	10-10	15-10	20-1	24-6
16	Douglas Fir-Larch SS	11-11	18-9	24-8	Note a
	Douglas Fir-Larch #1	11-6	18-1	23-10	Note a
	Douglas Fir-Larch #2	11-3	17-8	23-0	Note a
	Douglas Fir-Larch #3	9-5	13-9	17-5	21-3
19.2	Douglas Fir-Larch SS	11-3	17-8	23-3	Note a
	Douglas Fir-Larch #1	10-10	17-0	22-5	Note a
	Douglas Fir-Larch #2	10-7	16-7	21-0	25-8
	Douglas Fir-Larch #3	8-7	12-6	15-10	19-5
24	Douglas Fir-Larch SS	10-5	16-4	21-7	Note a
	Douglas Fir-Larch #1	10-0	15-9	20-1	24-6
	Douglas Fir-Larch #2	9-10	14-10	18-9	22-11
	Douglas Fir-Larch #3	7-8	11-2	14-2	17-4