

**ALLOWABLE SPAN TABLES FOR CEILING JOISTS
WHERE UNINHABITED ATTICS HAVE LIMITED STORAGE**
California Building Code 2007 Edition (CBC), NDS 2005

Lumber: Douglas Fir-Larch, Surfaced-Dry condition
(19% maximum moisture content).

Ceiling: Drywalled or Plastered.

Design Criteria: Strength: Based on allowable bending stresses and shear stresses
for LL 20# + DL 5# = 25# TL per Sq. Ft.
15% Repetitive member factor applied.



Deflection: Based on LL: L/360 for Plaster and L/240 for Drywall.

PLASTERED CEILING				
SIZE W x D	GRADE	JOIST SPACING IN INCHES		
		12	16	24
2 x 4	SS	9-0	8-3	7-0
	#1+	8-9	8-0	7-0
	#1	8-9	7-9	6-9
	#2	8-6	7-9	6-9
	#3	8-0	7-3	6-0
2 x 6	SS	14-3	12-9	11-3
	#1+	14-0	12-9	11-0
	#1	13-9	12-6	10-9
	#2	13-6	12-3	10-6
	#3	12-6	10-9	8-9
2 x 8	SS	18-9	17-0	14-9
	#1+	18-6	16-9	14-6
	#1	18-0	16-6	14-3
	#2	17-9	16-0	14-0
	#3	15-9	13-9	11-3
2 x 10	SS	24-0	21-9	19-0
	#1+	23-6	21-3	18-9
	#1	23-0	21-0	18-3
	#2	22-6	20-6	18-0
	#3	19-3	16-9	13-9

DRYWALLED CEILING				
SIZE W x D	GRADE	JOIST SPACING IN INCHES		
		12	16	24
2 x 4	SS	10-3	9-3	8-3
	#1+	10-0	9-3	8-0
	#1	10-0	9-0	7-9
	#2	9-9	8-9	7-9
	#3	8-6	7-3	6-0
2 x 6	SS	16-3	14-9	12-9
	#1+	16-0	14-6	12-9
	#1	15-9	14-3	12-3
	#2	15-3	14-0	11-6
	#3	12-6	10-9	8-9
2 x 8	SS	21-6	19-6	17-0
	#1+	21-0	19-3	16-9
	#1	20-9	18-9	15-6
	#2	20-3	18-0	14-9
	#3	15-9	13-9	11-3
2 x 10	SS	27-6	25-0	21-9
	#1+	27-0	24-6	20-9
	#1	26-6	23-3	18-9
	#2	25-3	22-0	18-0
	#3	19-3	16-9	13-9

**DIVISION OF BUILDING AND SAFETY
COUNTY OF VENTURA**

**B & S
STD**

B-44

BUILDING OFFICIAL Jim MacDonald

DATE: 01/01/08