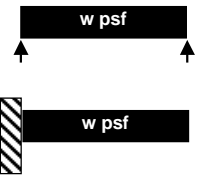


ALLOWABLE SPAN TABLES FOR FLOOR JOISTS

California Building Code 2007 Edition (CBC), NDS 2005

Floor Joists: Residential Interior Floors and Exterior Sundecks.
 Residential Exterior Cantilevered Balconies.
Lumber: Douglas Fir-Larch, Surfaced-Dry condition (19% maximum moisture content).
Design Criteria: Interior Floors and Exterior Sundecks:
 Strength: 40# LL + 10# DL = 50# TL per Sq. Ft. No Ceiling below.
 40# LL + 15# DL = 55# TL per Sq. Ft. With Ceiling below.
 Deflection: L/360 on LL and L/240 on TL. 15% Repetitive Member Factor included where applicable.
 Exterior Cantilevered Balconies:
 Strength: 40# LL + 10# DL = 50# TL per Sq. Ft. No Ceiling below.
 40# LL + 15# DL = 55# TL per Sq. Ft. With Ceiling below.
 Deflection: L/360 on LL and L/240 on TL. 15% Repetitive Member Factor included where applicable.



INTERIOR FLOORS AND EXTERIOR SUNDECKS (Simple Span)							
SIZE W x D	GRADE	NO CEILING (50#/sf)			WITH CEILING (55#/sf)		
		SPACING - INCHES			SPACING - INCHES		
		12	16	24	12	16	24
2 x 6	SS	11-3	10-3	9-0	11-3	10-3	9-0
	#1+	11-0	10-0	8-9	11-0	10-0	8-3
	#1	10-9	9-9	8-0	10-9	9-3	7-6
	#2	10-6	9-3	7-6	10-3	8-9	7-3
	#3	8-3	7-0	5-9	7-9	6-9	5-6
2 x 8	SS	14-9	13-6	11-9	14-9	13-6	11-9
	#1+	14-6	13-3	11-0	14-6	13-0	10-6
	#1	14-3	12-6	10-3	13-9	11-9	9-9
	#2	13-9	11-9	9-6	13-0	11-3	9-3
	#3	10-6	9-0	7-3	10-0	8-6	7-0
2 x 10	SS	19-0	17-3	15-0	19-0	17-3	14-6
	#1+	18-9	16-9	13-6	18-3	16-0	13-0
	#1	17-6	15-3	12-6	16-9	14-6	11-9
	#2	16-9	14-6	11-9	16-0	13-9	11-3
	#3	12-9	11-0	9-0	12-0	10-6	8-6
2 X 12	SS	23-0	21-0	17-9	23-0	20-9	16-9
	#1+	22-3	19-3	15-9	21-3	18-6	15-0
	#1	20-6	17-9	14-6	19-6	16-9	13-9
	#2	19-3	16-9	13-9	18-6	16-0	13-0
	#3	14-9	12-9	10-6	14-0	12-3	10-0
2 X 14	SS	27-3	24-3	19-9	26-9	23-0	18-9
	#1+	25-0	21-9	17-9	23-9	20-9	16-9
	#1	22-9	19-9	16-0	21-9	18-9	15-3
	#2	21-9	18-9	15-3	20-9	17-9	14-6
	#3	16-6	14-3	11-9	15-9	13-6	11-0

EXTERIOR CANTILEVERED BALCONIES							
SIZE W x D	GRADE	NO CEILING (50#/sf)			WITH CEILING (55#/sf)		
		SPACING - INCHES			SPACING - INCHES		
		12	16	24	12	16	24
2 x 6	SS	5-3	4-9	4-0	5-3	4-9	4-0
	#1+	5-0	4-9	4-0	5-0	4-9	4-0
	#1	5-0	4-6	4-0	5-0	4-6	4-0
	#2	5-0	4-6	4-0	5-0	4-6	4-0
	#3	4-9	4-3	3-9	4-9	4-3	3-9
2 x 8	SS	7-0	6-3	5-6	7-0	6-3	5-6
	#1+	6-9	6-3	5-3	6-9	6-3	5-3
	#1	6-9	6-0	5-3	6-9	6-0	5-3
	#2	6-6	6-0	5-3	6-6	6-0	5-3
	#3	6-3	5-9	5-0	6-3	5-9	5-0
2 x 10	SS	8-9	8-0	7-0	8-9	8-0	7-0
	#1+	8-9	8-0	7-0	8-9	8-0	7-0
	#1	8-6	7-9	6-9	8-6	7-9	6-9
	#2	8-3	7-6	6-6	8-3	7-6	6-6
	#3	8-0	7-3	6-3	8-0	7-3	6-3
2 X 12	SS	10-9	9-9	8-6	10-9	9-9	8-6
	#1+	10-6	9-9	8-6	10-6	9-9	8-6
	#1	10-6	9-6	8-3	10-6	9-6	8-3
	#2	10-3	9-3	8-0	10-3	9-3	8-0
	#3	9-9	8-9	7-9	9-9	8-9	7-9
2 X 14	SS	12-9	11-6	10-0	12-9	11-6	10-0
	#1+	12-6	11-3	10-0	12-6	11-3	10-0
	#1	12-3	11-3	9-9	12-3	11-3	9-9
	#2	12-0	11-0	9-6	12-0	11-0	9-6
	#3	11-6	10-6	9-0	11-6	10-6	9-0

SIZE W x D	GRADE	SPACING - INCHES			SPACING - INCHES		
		24	32	48	24	32	48
4 x 6	SS	11-9	10-9	9-3	11-9	10-9	9-3
	#1+	11-6	10-6	9-3	11-6	10-6	9-0
	#1	11-6	10-3	8-6	11-6	10-0	8-3
	#2	11-3	10-0	8-3	11-0	9-6	7-9
4 x 8	SS	15-9	14-3	12-6	15-9	14-3	12-6
	#1+	15-3	14-0	12-3	15-3	14-0	12-0
	#1	15-0	13-9	11-6	15-0	13-3	10-9
	#2	14-9	13-3	10-9	14-6	12-9	10-3
4 x 10	SS	20-0	18-3	15-9	20-0	18-3	15-9
	#1+	19-6	17-9	15-3	19-6	17-9	14-9
	#1	19-3	17-3	14-0	19-0	16-3	13-3
	#2	18-9	16-3	13-3	18-0	15-6	12-9
4 X 12	SS	24-3	22-0	19-3	24-3	22-0	19-0
	#1+	24-0	21-9	18-0	24-0	21-0	17-0
	#1	23-3	20-0	16-3	22-0	19-0	15-6
	#2	22-0	19-0	15-6	21-0	18-0	14-9
4 X 14	SS	28-9	26-0	22-6	28-9	26-0	21-6
	#1+	28-3	24-9	20-0	27-3	23-6	19-3
	#1	26-0	22-6	18-3	24-9	21-6	17-6
	#2	24-9	21-3	17-6	23-6	20-3	16-6

SIZE W x D	GRADE	SPACING - INCHES			SPACING - INCHES		
		24	32	48	24	32	48
4 x 6	SS	5-6	5-0	4-3	5-6	5-0	4-3
	#1+	5-6	5-0	4-3	5-6	5-0	4-3
	#1	5-3	4-9	4-3	5-3	4-9	4-3
	#2	5-3	4-9	4-0	5-3	4-9	4-0
4 x 8	SS	7-3	6-6	5-9	7-3	6-6	5-9
	#1+	7-3	6-6	5-9	7-3	6-6	5-9
	#1	7-0	6-3	5-6	7-0	6-3	5-6
	#2	7-0	6-3	5-6	7-0	6-3	5-6
4 x 10	SS	9-3	8-6	7-6	9-3	8-6	7-6
	#1+	9-3	8-3	7-3	9-3	8-3	7-3
	#1	9-0	8-3	7-0	9-0	8-3	7-0
	#2	8-9	8-0	7-0	8-9	8-0	7-0
4 X 12	SS	11-6	10-3	9-0	11-6	10-3	9-0
	#1+	11-3	10-3	8-9	11-3	10-3	8-9
	#1	11-0	10-0	8-9	11-0	10-0	8-9
	#2	10-9	9-9	8-6	10-9	9-9	8-6
4 X 14	SS	13-6	12-3	10-9	13-6	12-3	10-9
	#1+	13-3	12-0	10-6	13-3	12-0	10-6
	#1	13-0	11-9	10-3	13-0	11-9	10-3
	#2	12-9	11-6	10-0	12-9	11-6	10-0

Bending governs for spans enclosed by double lines. Shear governs for spans enclosed by solid lines. (***Bold Italics***)
 Deflection for TL at L/360 governs for all other spans. (***Bold***)

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

B & S
 STD **B-31**

BUILDING OFFICIAL _____

Jim MacDonald

DATE: 01/01/08