FOR EQUATIONS SEE NATIONAL DESIGN STANDARD	SPAN FT	4x4	2x6	4x6	2x8	2x10	2x12
'`SPAN OF FLOOR JOIST'' EXAMPLE	6 (1) (2)		497.93	599.96 1161.84	656.37	837.43	
	(3)			718.90 662.46		283.91	
Southern Yellow Pine Reference Design Values:	(5)			599.96			
wood = No 1 Standard Southern Pine	8 (1)	!	144.63	337.48		374.34	527.34
load duration factor (CD) = 1.6 for 10 minute loads	(2)	1	373.45	871.38			763.88
Possible Values: 1.6 for ten minutes	(3)		129.98	303.29			1112.37
1.25 for seven days 0.9 for dead load	(4)						212.93
deflection limit = span/240	(5)	/8.16 +	129.98	303.29	Z1Z.93	Z1Z.93 	212.93
defined bearing length = 1.5 inches	10 (1)	97.18	92.56	215.98	148.93	239.57	337.50
	(2)	443.61	298.76	697.11	393.82	502.46	611.10
	(3)	40.02		155.28			569.53
	(4)	1		397.48			
TO GET ALLOWED WEIGHT PER SQUARE FOOT,	(5)	40.02	66.55	155.28	148.93	170.35	170.35
TAKE ALLOWED WEIGHT FOR ONE STRINGER PER FOOT,	10 (1)	+			100 40	166 00	
MULITPLY BY THE NUMBER OF STRINGERS,	12 (1)	67.49	64.28	149.99 580.92		166.37 418.72	
AND DIVIDE BY THE LENGTH OF THE TREAD IN FEET.	(2)	23.16	248.97 38.51	89.86		183.21	509.25 329.59
(1) ALLOWED WEIGHT IN LBF/FT BY MOMENT CAPACITY	(4)			331.23			141.96
(2) ALLOWED WEIGHT IN LBF/FT BY SHEAR	(5)	23.16		89.86		141.96	141.96
(3) ALLOWED WEIGHT IN LBF/FT BY DEFLECTION		+					
(4) ALLOWED WEIGHT IN LBF/FT FOR 1.5 INCH BEARING	14 (1)	49.58	47.23	110.20	75.98	122.23	172.19
(5) MINIMUM OF ABOVE ALLOWED WEIGHTS IN LBF/FT	(2)	316.87	213.40	497.93	281.30	358.90	436.50
	(3)	14.58	24.25	56.59	55.55	115.37	207.56
	(4)	!				121.68	121.68
Allowable weights (1) and (2) are proportional to CD. Allowable weight (4) is proportional to	(5)	14.58 +	24.25	56 <b>.</b> 59		115.37	121.68
designed bearing length.	16 (1)	37.96	36.16	84.37	58.17	93.58	131.84
	(2)	!		435.69			381.94
	(3)	9.77		37.91	37.21		139.05
	(4)			248.42			
	(5)	9.77	16.25	37.91	37.21	77.29	106.47
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SPAN FT	4×4	2x6	4x6	2x8	2x10	2x12
18 (1)	+   29.99	28.57	66.66	45.97	73.94	104.17
(2)	246.45	165.98	387.28	218.79	279.14	339.50
(3)	6.86	11.41	26.63	26.14	54.28	97.66
(4)	220.82	94.64	220.82	94.64	94.64	94.64
(5)	6.86	11.41	26.63	26.14	54.28	94.64
20 (1)	24.30	23.14	54.00	37.23	59.89	84.38
(2)			348.55			
(3)	5.00	8.32	19.41	19.05	39.57	71.19
(4)	198.74	85.17		85.17	85.17	85.17
(5)	5.00	8.32	19.41	19.05	39.57	71.19
22 (1)	20.08	19.12	44.62	30.77	49.50	69.73
(2)	201.64	135.80	316.87	179.01	228.39	277.77
(3)	3.76	6.25	14.58	14.32	29.73	53.49
(4)	180.67	77.43	180.67	77.43	77.43	77.43
(5)	3.76 +	6.25	14.58	14.32	29.73	53.49
24 (1)	16.87	16.07	37.50	25.86	41.59	58.59
(2)			290.46			254.62
(3)	2.89	4.81	11.23	11.03	22.90	41.20
(4)		70.98		70.98	70.98	70.98
(5)	2.89	4.81	11.23	11.03	22.90	41.20
	+					