FOR EQUATIONS SEE NATIONAL DESIGN STANDARD	SPAN FT	4 x 4	2x6	4×6	2x8	2x10	2x12
		+					
'`SPAN OF FLOOR JOIST'' EXAMPLE	6 (1)			599.96			
	(2)	1		1161.84			
	(3)			718.90			
	(4)			662.46			283.91
Southern Yellow Pine Reference Design Values:	(5)	185.26 +	257.12	599 . 96	283.91	283.91 	283.91
wood = No 1 Standard Southern Pine	8 (1)			337.48		374.34	
load duration factor (CD) = 1.6 for 10 minute loads	(2)	554.52	373.45	871.38		628.08	763.88
Possible Values: 1.6 for ten minutes	(3)	1	129.98	303.29			1112.37
1.25 for seven days	(4)			496.85			212.93
0.9 for dead load deflection limit = span/240	(5)	78.16 +		303.29			
defined bearing length = 1.5 inches	10 (1)	97.18		215.98			337.50
	(2)	443.61		697.11			611.10
	(3)	40.02	66.55	155.28	152.43	316.58	569.53
	(4)	397.48	170.35	397.48	170.35	170.35	170.35
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,		+					
MULITPLY BY THE NUMBER OF STRINGERS,	12 (1)	67.49	64.28	149.99	103.42	166.37	234.38
AND DIVIDE BY THE LENGTH OF THE TREAD IN FEET.	(2)	369.68	248.97	580.92	328.18	418.72	509.25
	(3)	23.16	38.51	89.86	88.21	183.21	329.59
(1) ALLOWED WEIGHT IN LBF/FT BY MOMENT CAPACITY	(4)	331.23	141.96	331.23	141.96	141.96	141.96
(might not apply to our boardwalks and bridges)	(5)	23.16	38.51	89.86	88.21	141.96	141.96
(2) ALLOWED WEIGHT IN LBF/FT BY SHEAR		+					
(3) ALLOWED WEIGHT IN LBF/FT BY DEFLECTION	14 (1)	49.58		110.20			172.19
(4) ALLOWED WEIGHT IN LBF/FT FOR 1.5 INCH BEARING	(2)	316.87		497.93		358.90	436.50
(5) MINIMUM OF ABOVE ALLOWED WEIGHTS IN LBF/FT	(3)	14.58	24.25	56.59	55.55	115.37	207.56
	(4)			283.91			121.68
	(5)	14.58		56.59		115.37	121.68
Allowable weights (1) and (2) are proportional to CD. Allowable weight (4) is proportional to	16 (1)	+ 37.96	36.16	84.37	58.17		131.84
designed bearing length.	(2)			435.69			
designed bearing tengen.	(3)	9.77	16.25	37.91	37.21		139.05
	(4)			248.42			
	(5)	1		37.91			106.47
		+					

_						
SPAN FT	4x4	2x6	4×6	2x8	2x10	2x12
18 (1)	29.99	28.57	66.66	45.97	73.94	104.17
(2)			387.28			
(3)	6.86	11.41	26.63	26.14	54.28	97.66
(4)	220.82		220.82	94.64	94.64	94.64
(5)	6.86	11.41	26.63	26.14	54.28	94.64
20 (1)		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		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)		77.43		77.43	77.43	77.43
(5)	3.76	6.25	14.58	14.32	29.73	53.49
24 (1)		16.07	37.50	25.86	41.59	58.59
(2)			290.46	164.09		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
	+					