

JOIST DETAILS



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Strength is by design. TELLING® structural framing products are engineered C-shaped members, roll formed with the highest-grade galvanized steel available. These framing members are intended for use in curtain wall, axial load-bearing walls, floor joists and roof truss applications. TELLING structural framing is manufactured in a vast variety of web sizes, flanges and gauge configurations. We also have the ability to provide custom lengths, special packaging and markings upon request. Whatever the application and wherever the code, TELLING has the right part for the job. Check out our Structural Catalog.

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FLOOR JOIST SPAN TABLES - NOTES

Allowable Floor Joist Span Table Notes:

1. Spans are based on continuous support of each flange over the full length of the joist
2. For two equal span condition, the listed span is the distance from either end to the center support, with the joist continuous over the center support.
3. Joists must be braced against rotation at all supports.
4. End shear and web crippling capacity have not been reduced for punch-outs.
5. Web crippling check based on 3.5 end bearing. Where listed allowable spans are followed by "e" web stiffeners are required at end supports; "i" web stiffeners are required at mid-supports; "a" web stiffeners are required at all supports.
6. Shear capacity at mid-span support has been reduced for the presence of punch-outs adjacent to the support.
7. Total load deflection limited to L/240. Live load deflection limit as noted.
8. Alternate span live loading has been considered for two, equal span condition.
9. For distortional buckling allowable moment, $k_0 = 0$.
10. Moment of inertia for deflection is calculated at the maximum service level stress for the span listed. Note that this value may be higher than the effective I_{xx} listed in section property tables.

Bridging Recommendations:

Floor joist bridging may be spaced as indicated below, except where member design requires an alternate spacing.

Span (ft.)	Minimum Number of Rows
up to 16	1 row at mid span
16 to 24	2 rows at 1/3 points
24 to 32	3 rows at 1/4 points

Joists are 14ga thick material with a 2-1/2" flange (leg) and various web sizes, see details below.

Punch Hole Data:

Joist Web Size	Punch Diameter	Hole Opening Size	Hole Return Flange Lip
9-1/4"	6"	6.3"	0.75"
12"	8"	8.3"	0.75"
14"	10"	10.3"	0.75"

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 20 PSF LIVE LOAD

Section	Fy (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
600S162-33	33	14' 6"	12' 7"e	10' 3" e	14' 6"i	12' 7"i	10' 3"i	14' 4"	12' 7"e	10' 3" e	14' 6"i	12' 7"i	10' 3"i
600S162-43	33	17' 2"	15' 6"	12' 8"	17' 11"i	15' 6"i	12' 8"i	15' 7"	14' 2"	12' 5"	17' 6"i	15' 6"i	12' 8"i
600S162-54	33	18' 5"	16' 9"	14' 7"	20' 8"i	18' 2"i	14' 10"i	16' 9"	15' 2"	13' 3"	18' 9"	17' 1"i	14' 10"i
600S162-54	50	18' 5"	16' 9"	14' 7"	20' 8"	18' 9"	16' 5"i	16' 9"	15' 2"	13' 3"	18' 9"	17' 1"	14' 11"
600S162-68	33	19' 9"	17' 11"	15' 8"	22' 2"	20' 2"i	17' 3"i	17' 11"	16' 4"	14' 3"	20' 2"	18' 4"	16' 0"i
600S162-68	50	19' 9"	17' 11"	15' 8"	22' 2"	20' 2"	17' 7"	17' 11"	16' 4"	14' 3"	20' 2"	18' 4"	16' 0"
600S162-97	33	21' 11"	19' 11"	17' 4"	24' 7"	22' 4"	19' 6"	19' 11"	18' 1"	15' 9"	22' 4"	20' 3"	17' 9"
600S162-97	50	21' 11"	19' 11"	17' 4"	24' 7"	22' 4"	19' 6"	19' 11"	18' 1"	15' 9"	22' 4"	20' 3"	17' 9"
600S162-118	50	23' 1"	21' 0"	18' 4"	25' 11"	23' 7"	20' 7"	21' 0"	19' 1"	16' 8"	23' 7"	21' 5"	18' 9"
600S200-33	33	15' 6"	13' 5"e	10' 11"e	15' 6"i	13' 5"i	10' 11'a	15' 0"	13' 5"e	10' 11"e	15' 6"i	13' 5"i	10' 11"a
600S200-43	33	18' 0"	16' 0"	13' 1"	18' 6"i	16' 0"i	13' 1"i	16' 5"	14' 11"	13' 0"	18' 5"i	16' 0"i	13' 1"i
600S200-54	33	19' 4"	17' 7"	15' 4"	21' 9"i	19' 2"i	15' 8"i	17' 7"	16' 0"	14' 0"	19' 9"i	17' 11"i	15' 8"i
600S200-54	50	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"i	17' 7"	16' 0"	14' 0"	19' 9"	17' 11"	15' 8"i
600S200-68	33	20' 9"	18' 10"	16' 6"	23' 4"	21' 2"i	18' 3"i	18' 10"	17' 2"	15' 0"	21' 2"	19' 3"	16' 10"i
600S200-68	50	20' 9"	18' 10"	16' 6"	23' 4"	21' 2"	18' 6"	18' 10"	17' 2"	15' 0"	21' 2"	19' 3"	16' 10"i
600S200-97	33	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 7"	20' 11"	19' 0"	16' 8"	23' 6"	21' 4"	18' 8"
600S200-97	50	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 7"	20' 11"	19' 0"	16' 8"	23' 6"	21' 4"	18' 8"
600S200-118	50	24' 5"	22' 2"	19' 4"	27' 5"	24' 11"	21' 9"	22' 2"	20' 2"	17' 7"	24' 11"	22' 7"	19' 9"
600S250-43	33	18' 11"	16' 5"	13' 5"e	19' 0"i	16' 5"i	13' 5"i	17' 2"	15' 7"	13' 5"e	19' 0"i	16' 5"i	13' 5"i
600S250-54	33	20' 3"	18' 5"	15' 7"	22' 1"i	19' 1"i	15' 7"i	18' 5"	16' 9"	14' 8"	20' 8"i	18' 10"i	15' 7"i
600S250-54	50	20' 3"	18' 5"	16' 1"	22' 9"	20' 8"i	17' 10"i	18' 5"	16' 9"	14' 8"	20' 8"	18' 10"	16' 5"i
600S250-68	50	21' 9"	19' 9"	17' 3"	24' 5"	22' 3"	19' 5"	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 8"
600S250-68	33	21' 9"	19' 9"	17' 3"	24' 5"	22' 3"i	18' 9"i	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 8"i
600S250-97	33	24' 3"	22' 0"	19' 3"	27' 2"	24' 8"	21' 7"	22' 0"	20' 0"	17' 6"	24' 8"	22' 5"	19' 7"
600S250-97	50	24' 3"	22' 0"	19' 3"	27' 2"	24' 8"	21' 7"	22' 0"	20' 0"	17' 6"	24' 8"	22' 5"	19' 7"
600S250-118	50	25' 8"	23' 4"	20' 4"	28' 9"	26' 2"	22' 10"	23' 4"	21' 2"	18' 6"	26' 2"	23' 9"	20' 9"
600S300-54	50	21' 2"	19' 2"	16' 8"	23' 7"	21' 3"i	18' 2"i	19' 2"	17' 5"	15' 3"	21' 7"	19' 6"	17' 0"i
600S300-68	50	22' 8"	20' 8"	18' 0"	25' 6"	23' 1"	20' 2"i	20' 8"	18' 9"	16' 4"	23' 2"	21' 0"	18' 5"
600S300-97	50	25' 3"	22' 11"	20' 1"	28' 4"	25' 9"	22' 6"	22' 11"	20' 10"	18' 3"	25' 9"	23' 5"	20' 5"
600S300-118	50	26' 9"	24' 4"	21' 3"	30' 1"	27' 4"	23' 10"	24' 4"	22' 1"	19' 4"	27' 4"	24' 10"	21' 8"
600S350-54	50	22' 3"	20' 2"	17' 6"	24' 10"	22' 5"i	19' 6"i	20' 2"	18' 4"	16' 0"	22' 8"	20' 6"	17' 10"i
600S350-68	50	23' 11"	21' 8"	19' 0"	26' 10"	24' 4"	21' 3"i	21' 8"	19' 9"	17' 3"	24' 4"	22' 2"	19' 4"
600S350-97	50	26' 7"	24' 2"	21' 2"	29' 11"	27' 2"	23' 9"	24' 2"	22' 0"	19' 2"	27' 2"	24' 8"	21' 7"
600S350-118	50	28' 3"	25' 8"	22' 5"	31' 8"	28' 10"	25' 2"	25' 8"	23' 4"	20' 4"	28' 10"	26' 2"	22' 10"
800S162-33	33	16' 9"e	14' 6"e	11' 10"e	16' 9"a	14' 6"a	10' 9"a	16' 9"e	14' 6"e	11' 10"e	16' 9"a	14' 6"a	10' 9"a
800S162-43	33	20' 2"	17' 6"	14' 3"e	20' 2"i	17' 6"i	14' 3"i	19' 6"	17' 6"	14' 3"e	20' 2"i	17' 6"i	14' 3"i
800S162-54	33	23' 3"	20' 5"	16' 8"	23' 7"i	20' 5"i	16' 8"i	21' 1"	19' 2"	16' 8"	23' 7"i	20' 5"i	16' 8"i
800S162-54	50	23' 3"	21' 1"	18' 4"	26' 0"i	23' 5"i	19' 1"i	21' 1"	19' 2"	16' 9"	23' 8"	21' 6"i	18' 9"i
800S162-68	33	24' 11"	22' 8"	19' 5"	27' 5"i	23' 9"i	19' 5"i	22' 8"	20' 7"	18' 0"	25' 5"i	23' 1"i	19' 5"i
800S162-68	50	24' 11"	22' 8"	19' 9"	28' 0"	25' 5"	22' 3"i	22' 8"	20' 7"	18' 0"	25' 5"	23' 1"	20' 2"
800S162-97	33	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8"i	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5"
800S162-97	50	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8"	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5"
800S162-118	50	29' 4"	26' 7"	23' 3"	32' 11"	29' 11"	26' 1"	26' 7"	24' 2"	21' 1"	29' 11"	27' 2"	23' 9"

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 20 PSF LIVE LOAD

Section	Fy (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
800S200-33	33	18'0"e	15'7"e	12'8"e	18'0"a	15'1"a	11'2"a	18'0"e	15'7"e	12'8"e	18'0"a	15'1"a	11'2"a
800S200-43	33	21'7"	18'8"	15'3"e	21'7"i	18'8"i	15'3"i	20'7"	18'8"	15'3"e	21'7"i	18'8"i	15'3"i
800S200-54	33	24'4"	22'1"	18'4"	26'0"i	22'6"i	18'4"i	22'1"	20'1"	17'6"	24'10"i	22'6"i	18'4"i
800S200-54	50	24'4"	22'1"	19'4"	27'4"	24'10"i	20'5"i	22'1"	20'1"	17'6"	24'10"	22'6"	19'8"i
800S200-68	33	26'1"	23'9"	20'9"	29'4"i	26'5"i	21'7"i	23'9"	21'7"	18'10"	26'8"	24'2"i	21'2"i
800S200-68	50	26'1"	23'9"	20'9"	29'4"	26'8"	23'3"i	23'9"	21'7"	18'10"	26'8"	24'2"	21'2"
800S200-97	33	29'0"	26'5"	23'1"	32'7"	29'7"	25'11"i	26'5"	24'0"	20'11"	29'7"	26'11"	23'6"
800S200-97	50	29'0"	26'5"	23'1"	32'7"	29'7"	25'11"	26'5"	24'0"	20'11"	29'7"	26'11"	23'6"
800S200-118	50	30'9"	27'11"	24'5"	34'6"	31'5"	27'5"	27'11"	25'5"	22'2"	31'5"	28'6"	24'11"
800S250-43	33	22'2"	19'2"e	15'8"e	22'2"i	19'2"i	15'8"i	21'5"	19'2"e	15'8"e	22'2"i	19'2"i	15'8"i
800S250-54	33	25'4"	22'5"	18'3"	25'10"i	22'5"i	18'3"i	23'1"	20'11"	18'3"	25'10"i	22'5"i	18'3"i
800S250-54	50	25'4"	23'1"	20'2"	28'6"i	25'6"i	20'10"i	23'1"	20'11"	18'3"	25'10"	23'6"i	20'6"i
800S250-68	33	27'3"	24'9"	21'8"	30'7"i	27'0"i	22'0"i	24'9"	22'6"	19'8"	27'10"	25'3"i	22'0"i
800S250-68	50	27'3"	24'9"	21'8"	30'7"	27'10"	24'3"i	24'9"	22'6"	19'8"	27'10"	25'3"	22'1"
800S250-97	33	30'4"	27'7"	24'1"	34'1"	30'11"	27'1"i	27'7"	25'1"	21'11"	30'11"	28'2"	24'7"
800S250-97	50	30'4"	27'7"	24'1"	34'1"	30'11"	27'1"	27'7"	25'1"	21'11"	30'11"	28'2"	24'7"
800S250-118	50	32'2"	29'3"	25'6"	36'1"	32'10"	28'8"	29'3"	26'7"	23'2"	32'10"	29'10"	26'1"
800S300-54	50	26'4"	23'10"	20'8"	29'3"i	25'11"i	21'2"i	23'11"	21'9"	18'11"	26'10"	24'4"i	21'1"i
800S300-68	50	28'4"	25'9"	22'5"	31'9"	28'9"	24'10"i	25'9"	23'4"	20'5"	28'11"	26'3"	22'11"i
800S300-97	50	31'7"	28'8"	25'1"	35'5"	32'2"	28'1"	28'8"	26'1"	22'9"	32'2"	29'3"	25'7"
800S300-118	50	33'6"	30'5"	26'7"	37'7"	34'2"	29'10"	30'5"	27'8"	24'2"	34'2"	31'0"	27'1"
800S350-54	50	27'8"	25'0"	21'9"	30'10"i	27'11"i	23'6"i	25'2"	22'10"	19'11"	28'2"	25'6"i	22'2"i
800S350-68	50	29'9"	27'0"	23'7"	33'5"	30'4"	26'6"i	27'0"	24'7"	21'5"	30'4"	27'7"	24'1"i
800S350-97	50	33'2"	30'2"	26'4"	37'3"	33'10"	29'7"	30'2"	27'5"	23'11"	33'10"	30'9"	26'11"
800S350-118	50	35'3"	32'0"	28'0"	39'7"	35'11"	31'5"	32'0"	29'1"	25'5"	35'11"	32'8"	28'6"
1000S162-43	33	22'4"e	19'4"e	15'10"e	22'4"a	19'4"a	15'10"a	22'4"e	19'4"e	15'10"e	22'4"a	19'4"a	15'10"a
1000S162-54	33	26'4"	22'9"	18'7"e	26'4"i	22'9"i	18'7"i	25'2"	22'9"	18'7"e	26'4"i	22'9"i	18'7"i
1000S162-54	50	27'7"	25'0"	21'2"	29'11"i	25'11"i	21'2"i	25'2"	22'10"	19'11"	28'2"i	25'6"i	21'2"i
1000S162-68	33	30'0"	26'9"	21'10"	30'11"i	26'9"i	21'10"i	27'3"	24'9"	21'7"	30'7"i	26'9"i	21'10"i
1000S162-68	50	30'0"	27'2"	23'8"	33'6"	30'5"i	25'0"i	27'3"	24'9"	21'7"	30'7"	27'9"	24'2"i
1000S162-97	33	33'4"	30'4"	26'6"	37'5"	33'5"i	27'4"i	30'4"	27'6"	24'1"	34'0"	30'11"	27'0"i
1000S162-97	50	33'4"	30'4"	26'6"	37'5"	34'0"	29'9"	30'4"	27'6"	24'1"	34'0"	30'11"	27'0"
1000S162-118	50	35'4"	32'1"	28'0"	39'8"	36'0"	31'6"	32'1"	29'2"	25'6"	36'0"	32'9"	28'7"
1000S200-43	33	24'1"e	20'11"e	17'1"e	24'1"a	20'11"a	17'0"a	24'1"e	20'11"e	17'1"e	24'1"a	20'11"a	17'0"a
1000S200-54	33	28'3"	24'5"	20'0"e	28'3"i	24'5"i	20'0"i	26'4"	23'10"	20'0"e	28'3"i	24'5"i	20'0"i
1000S200-54	50	28'10"	26'2"	22'9"	32'2"i	27'10"i	22'9"i	26'4"	23'10"	20'9"	29'5"i	26'8"i	22'9"i
1000S200-68	33	31'3"	28'5"	23'4"	33'0"i	28'7"i	23'4"i	28'5"	25'10"	22'7"	31'11"i	28'7"i	23'4"i
1000S200-68	50	31'3"	28'5"	24'9"	35'0"	31'9"i	26'9"i	28'5"	25'10"	22'7"	31'11"	28'11"	25'3"i
1000S200-97	33	34'10"	31'8"	27'8"	39'1"	35'6"i	29'2"i	31'8"	28'9"	25'1"	35'6"	32'3"	28'2"i
1000S200-97	50	34'10"	31'8"	27'8"	39'1"	35'6"	31'0"	31'8"	28'9"	25'1"	35'6"	32'3"	28'2"
1000S200-118	50	36'11"	33'7"	29'4"	41'6"	37'8"	32'11"	33'7"	30'6"	26'8"	37'8"	34'3"	29'11"
1000S250-43	33	24'10"e	21'6"e	17'6"e	24'10"a	21'6"a	17'6"a	24'10"e	21'6"e	17'6"e	24'10"a	21'6"a	17'6"a
1000S250-54	33	29'1"	25'2"	20'7"e	29'1"i	25'2"i	20'7"i	27'6"	25'0"	20'7"e	29'1"i	25'2"i	20'7"i
1000S250-54	50	30'3"	27'6"	23'4"	33'1"i	28'8"i	23'4"i	27'6"	25'0"	21'10"	30'10"i	28'1"i	23'4"i
1000S250-68	50	32'6"	29'7"	25'10"	36'6"	33'2"i	27'6"i	29'7"	26'10"	23'5"	33'2"	30'2"	26'4"i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 20 PSF LIVE LOAD

Section	Fy (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S250-68	33	32' 6"	29' 7"	24' 10"	35' 2"i	30' 5"i	24' 10"i	29' 7"	26' 10"	23' 5"	33' 2"i	30' 2"i	24' 10"i
1000S250-97	33	36' 3"	32' 11"	28' 9"	40' 9"	37' 0"i	31' 11"i	32' 11"	29' 11"	26' 2"	37' 0"	33' 7"	29' 4"i
1000S250-97	50	36' 3"	32' 11"	28' 9"	40' 9"	37' 0"	32' 4"	32' 11"	29' 11"	26' 2"	37' 0"	33' 7"	29' 4"
1000S250-118	50	38' 6"	35' 0"	30' 7"	43' 2"	39' 3"	34' 4"	35' 0"	31' 9"	27' 9"	39' 3"	35' 8"	31' 2"
1000S300-54	50	31' 3"	28' 4"	23' 9"	33' 7"i	29' 1"i	23' 9"i	28' 6"	25' 10"	22' 6"	31' 10"i	28' 10"i	23' 9"i
1000S300-68	50	33' 8"	30' 7"	26' 8"	37' 9"	34' 3"i	28' 0"i	30' 7"	27' 10"	24' 4"	34' 4"	31' 3"	27' 2"i
1000S300-97	50	37' 7"	34' 2"	29' 10"	42' 3"	38' 4"	33' 6"	34' 2"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5"
1000S300-118	50	39' 11"	36' 3"	31' 8"	44' 10"	40' 9"	35' 7"	36' 3"	32' 11"	28' 9"	40' 9"	37' 0"	32' 4"
1000S350-54	50	32' 9"	29' 8"	25' 10"	36' 7"i	31' 11"i	25' 3"i	29' 10"	27' 1"	23' 7"	33' 5"i	30' 3"i	25' 3"i
1000S350-68	50	35' 4"	32' 1"	28' 1"	39' 8"	36' 1"i	31' 0"i	32' 1"	29' 2"	25' 6"	36' 1"	32' 9"	28' 7"i
1000S350-97	50	39' 6"	35' 10"	31' 4"	44' 4"	40' 3"	35' 2"	35' 10"	32' 7"	28' 6"	40' 3"	36' 7"	32' 0"
1000S350-118	50	41' 11"	38' 1"	33' 4"	47' 1"	42' 9"	37' 5"	38' 1"	34' 7"	30' 3"	42' 9"	38' 11"	34' 0"
1200S162-54	33	28' 5"e	24' 7"e	20' 1"e	28' 5"a	24' 7"a	20' 1"a	28' 5"e	24' 7"e	20' 1"e	28' 5"a	24' 7"a	20' 1"a
1200S162-54	50	31' 9"e	27' 11"e	22' 10"e	32' 3"a	27' 11"a	22' 10"a	29' 0"e	26' 3"e	22' 10"e	32' 3"a	27' 11"a	22' 10"a
1200S162-68	33	33' 8"	29' 2"	23' 10"	33' 8"i	29' 2"i	23' 10"i	31' 7"	28' 8"	23' 10"	33' 8"i	29' 2"i	23' 10"i
1200S162-68	50	34' 8"	31' 5"	27' 1"	38' 4"i	33' 2"i	27' 1"i	31' 7"	28' 8"	24' 11"	35' 3"	32' 0"i	27' 1"i
1200S162-97	33	38' 11"	35' 4"	30' 6"	43' 2"i	37' 5"i	30' 6"i	35' 4"	32' 1"	28' 1"	39' 8"	36' 1"i	30' 6"i
1200S162-97	50	38' 11"	35' 4"	30' 11"	43' 8"	39' 8"	34' 8"i	35' 4"	32' 1"	28' 1"	39' 8"	36' 1"	31' 6"
1200S162-118	50	41' 3"	37' 6"	32' 9"	46' 4"	42' 1"	36' 9"	37' 6"	34' 1"	29' 9"	42' 1"	38' 3"	33' 5"
1200S200-54	33	30' 9"e	26' 7"e	21' 9"e	30' 9"a	26' 7"i	21' 9"i	30' 3"e	26' 7"e	21' 9"e	30' 9"i	26' 7"i	21' 9"i
1200S200-54	50	33' 2"e	30' 0"e	24' 8"e	34' 11"i	30' 2"i	24' 8"i	30' 3"e	27' 5"e	23' 10"e	33' 9"i	30' 2"i	24' 8"i
1200S200-68	33	36' 1"	31' 4"	25' 7"	36' 2"i	31' 4"i	25' 7"i	32' 11"	29' 10"	25' 7"	36' 2"i	31' 4"i	25' 7"i
1200S200-68	50	36' 1"	32' 9"	28' 6"	40' 4"i	35' 9"i	29' 2"i	32' 11"	29' 10"	26' 0"	36' 9"	33' 4"i	29' 0"i
1200S200-97	33	40' 6"	36' 10"	32' 2"	45' 6"i	39' 11"i	32' 7"i	36' 10"	33' 5"	29' 3"	41' 4"	37' 7"i	32' 7"i
1200S200-97	50	40' 6"	36' 10"	32' 2"	45' 6"	41' 4"	36' 1"i	36' 10"	33' 5"	29' 3"	41' 4"	37' 7"	32' 10"
1200S200-118	50	43' 0"	39' 1"	34' 1"	48' 3"	43' 10"	38' 4"	39' 1"	35' 6"	31' 0"	43' 10"	39' 10"	34' 10"
1200S250-54	33	31' 9"e	27' 6"e	22' 6"e	31' 9"i	27' 6"i	22' 6"i	31' 5"e	27' 6"e	22' 6"e	31' 9"i	27' 6"i	22' 6"i
1200S250-54	50	34' 6"e	31' 2"e	25' 6"e	36' 0"i	31' 2"i	25' 6"i	31' 5"e	28' 6"e	24' 10"e	35' 1"i	31' 2"i	25' 6"i
1200S250-68	33	37' 5"	32' 5"	26' 5"	37' 5"i	32' 5"i	26' 5"i	34' 2"	31' 0"	26' 5"	37' 5"i	32' 5"i	26' 5"i
1200S250-68	50	37' 6"	34' 0"	29' 7"	41' 11"i	36' 11"i	30' 1"i	34' 2"	31' 0"	27' 0"	38' 2"	34' 8"i	30' 1"i
1200S250-97	33	42' 1"	38' 2"	33' 4"	47' 2"i	41' 4"i	33' 9"i	38' 2"	34' 8"	30' 4"	42' 11"	39' 0"i	33' 9"i
1200S250-97	50	42' 1"	38' 2"	33' 4"	47' 2"	42' 11"	37' 6"i	38' 2"	34' 8"	30' 4"	42' 11"	39' 0"	34' 1"
1200S250-118	50	44' 8"	40' 7"	35' 5"	50' 2"	45' 7"	39' 9"	40' 7"	36' 10"	32' 2"	45' 7"	41' 5"	36' 2"
1200S300-54	50	36' 1"e	31' 10"e	26' 0"e	36' 9"i	31' 10"i	26' 0"i	32' 11"e	29' 10"e	26' 0"e	36' 9"i	31' 10"i	26' 0"i
1200S300-68	50	38' 11"	35' 5"	30' 8"	43' 5"i	37' 7"i	30' 8"i	35' 5"	32' 2"	28' 1"	39' 9"	36' 1"i	30' 8"i
1200S300-97	50	43' 6"	39' 6"	34' 6"	48' 10"	44' 4"	38' 9"i	39' 6"	35' 11"	31' 4"	44' 4"	40' 4"	35' 2"
1200S300-118	50	46' 2"	42' 0"	36' 8"	51' 10"	47' 1"	41' 2"	42' 0"	38' 2"	33' 4"	47' 1"	42' 10"	37' 5"
1200S350-54	50	37' 9"e	34' 3"e	29' 1"e	39' 6"i	33' 3"i	25' 9"i	34' 5"e	31' 3"e	27' 2"e	38' 6"i	33' 3"i	25' 9"i
1200S350-68	50	40' 9"	37' 0"	32' 4"	45' 9"i	41' 7"i	34' 2"i	37' 0"	33' 8"	29' 5"	41' 7"	37' 9"i	33' 0"i
1200S350-97	50	45' 7"	41' 5"	36' 2"	51' 2"	46' 6"	40' 7"i	41' 5"	37' 7"	32' 10"	46' 6"	42' 3"	36' 11"
1200S350-118	50	48' 5"	44' 0"	38' 5"	54' 5"	49' 5"	43' 2"	44' 0"	40' 0"	34' 11"	49' 5"	44' 11"	39' 3"
1400S162-54	33	30' 2"e	26' 1"e	21' 4"e	30' 2"i	26' 1"i	21' 4"i	30' 2"e	26' 1"e	21' 4"e	30' 2"i	26' 1"i	21' 4"i
1400S162-54	50	34' 0"e	29' 6"e	24' 1"e	34' 0"i	29' 6"i	24' 1"i	32' 7"e	29' 6"e	24' 1"e	34' 0"i	29' 6"i	24' 1"i
1400S162-68	33	35' 11"	31' 1"	25' 5"	35' 11"i	31' 1"i	25' 5"i	35' 8"	31' 1"	25' 5"	35' 11"i	31' 1"i	25' 5"i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 20 PSF LIVE LOAD

Section	Fy (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S162-68	50	39' 1"	35' 3"	28' 9"	40' 8"i	35' 3"i	28' 9"i	35' 8"	32' 4"	28' 2"	39' 9"	35' 3"i	28' 9"i
1400S162-97	33	44' 5"	40' 4"	32' 11"	46' 7"i	40' 4"i	32' 11"i	40' 4"	36' 8"	32' 0"	45' 4"i	40' 4"i	32' 11"i
1400S162-97	50	44' 5"	40' 4"	35' 2"	49' 9"	45' 1"	37' 8"i	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	35' 10"
1400S162-118	50	47' 2"	42' 10"	37' 5"	52' 11"	48' 1"	42' 0"	42' 10"	38' 11"	34' 0"	48' 1"	43' 8"	38' 2"
1400S200-54	33	32' 9"e	28' 4"e	23' 2"e	32' 9"a	28' 4"a	23' 2"a	32' 9"e	28' 4"e	23' 2"e	32' 9"a	28' 4" a	23' 2" a
1400S200-54	50	37' 0"e	32' 1"e	26' 2"e	37' 0"a	32' 1"a	25' 7" a	34' 0"e	30' 10"e	26' 2"e	37' 0" a	32' 1" a	25' 7" a
1400S200-68	33	38' 9"	33' 6"	27' 5"e	38' 9"i	33' 6"i	27' 5"i	37' 1"	33' 6"	27' 5"e	38' 9"i	33' 6"i	27' 5"i
1400S200-68	50	40' 8"	36' 10"	31' 1"	44' 0"i	38' 1"i	31' 1"i	37' 1"	33' 8"	29' 3"	41' 5"	37' 6"i	31' 1"i
1400S200-97	33	46' 1"	41' 11"	35' 3"	49' 10"i	43' 2"i	35' 3"i	41' 11"	38' 1"	33' 3"	47' 0"i	42' 9"i	35' 3"i
1400S200-97	50	46' 1"	41' 11"	36' 6"	51' 8"	46' 10"	40' 5"i	41' 11"	38' 1"	33' 3"	47' 0"	42' 9"	37' 3"
1400S200-118	50	48' 11"	44' 6"	38' 10"	55' 0"	49' 11"	43' 8"	44' 6"	40' 5"	35' 4"	49' 11"	45' 4"	39' 8"
1400S250-54	33	34' 0"e	29' 6"e	24' 1"e	34' 0"a	29' 6"a	24' 0" a	34' 0"e	29' 6"e	24' 1"e	34' 0" a	29' 6" a	24' 0" a
1400S250-54	50	38' 6"e	33' 4"e	27' 2"e	38' 6" a	33' 4" a	25' 10" a	35' 4" e	32' 0" e	27' 2" e	38' 6" a	33' 4" a	25' 10" a
1400S250-68	33	40' 3"	34' 10"	28' 5"e	40' 3"i	34' 10"i	28' 5"i	38' 6"	34' 10"	28' 5"e	40' 3" i	34' 10" i	28' 5" i
1400S250-68	50	42' 2"	38' 3"	32' 3"	45' 8"i	39' 6"i	32' 3"i	38' 6"	34' 11"	30' 5"	43' 0"i	38' 11"i	32' 3"i
1400S250-97	33	47' 9"	43' 4"	36' 7"	51' 9"i	44' 10"i	36' 7"i	43' 4"	39' 5"	34' 5"	48' 8"i	44' 3"i	36' 7"i
1400S250-97	50	47' 9"	43' 4"	37' 10"	53' 6"	48' 7"	41' 11"i	43' 4"	39' 5"	34' 5"	48' 8"	44' 3"	38' 7"
1400S250-118	50	50' 9"	46' 1"	40' 3"	56' 11"	51' 9"	45' 2"	46' 1"	41' 10"	36' 7"	51' 9"	47' 0"	41' 1"
1400S300-54	50	39' 5"e	34' 1"e	27' 10"e	39' 5" a	34' 1" a	26' 0" a	36' 5" e	32' 11" e	27' 10" e	39' 5" a	34' 1" a	26' 0" a
1400S300-68	50	43' 7"	39' 5"	33' 0"	46' 9"i	40' 6"i	33' 0"i	39' 9"	36' 0"	31' 5"	44' 5"i	40' 1"i	33' 0"i
1400S300-97	50	49' 3"	44' 9"	39' 1"	55' 3"	50' 2"	42' 11"i	44' 9"	40' 8"	35' 6"	50' 3"	45' 8"	39' 10"i
1400S300-118	50	52' 4"	47' 7"	41' 7"	58' 9"	53' 5"	46' 8"	47' 7"	43' 3"	37' 9"	53' 5"	48' 6"	42' 5"
1400S350-54	50	42' 8"e	38' 4"e	31' 4"e	40' 7" a	33' 8" a	25' 3" a	38' 10" e	35' 3" e	30' 8" e	40' 7" a	33' 8" a	25' 3" a
1400S350-68	50	46' 1"	41' 10"	36' 7"	51' 9"i	45' 2"i	35' 11"i	41' 10"	38' 0"	33' 3"	47' 0"i	42' 8"i	35' 11"i
1400S350-97	50	51' 6"	46' 9"	40' 11"	57' 10"	52' 6"	45' 11"i	46' 9"	42' 6"	37' 2"	52' 6"	47' 9"	41' 8"
1400S350-118	50	54' 9"	49' 9"	43' 6"	61' 6"	55' 10"	48' 10"	49' 9"	45' 3"	39' 6"	55' 10"	50' 9"	44' 4"
1600S200-118	50	54' 10"	49' 10"	43' 7"	61' 7"	56' 0"	48' 9"i	49' 10"	45' 4"	39' 7"	56' 0"	50' 10"	44' 5"
1600S200-68	50	45' 0"e	40' 1"e	32' 8"e	46' 3" a	40' 1" a	32' 8" a	41' 2" e	37' 3" e	32' 5" e	45' 10" a	40' 1" a	32' 8" a
1600S200-97	50	51' 6"	46' 8"	40' 7"	57' 6"	52' 1"i	42' 10"i	46' 11"	42' 7"	37' 1"	52' 5"	47' 7"	41' 5"i
1600S250-118	50	56' 8"	51' 6"	45' 0"	63' 8"	57' 10"	50' 5"	51' 6"	46' 10"	40' 11"	57' 10"	52' 7"	45' 11"
1600S250-68	50	46' 8"e	41' 9"e	34' 1"e	48' 3" a	41' 9" a	33' 0" a	42' 7" e	38' 7" e	33' 7" e	47' 6" a	41' 9" a	33' 0" a
1600S250-97	50	53' 3"	48' 3"	42' 0"	59' 6"	53' 11"i	44' 7"i	48' 6"	44' 0"	38' 4"	54' 3"	49' 2"	42' 10"i
1600S300-118	50	58' 5"	53' 1"	46' 4"	65' 7"	59' 7"	52' 0"i	53' 1"	48' 3"	42' 2"	59' 7"	54' 2"	47' 4"
1600S300-68	50	48' 2"e	42' 11"e	35' 1"e	49' 7" a	42' 5" a	33' 4" a	44' 0" e	39' 10" e	34' 8" e	49' 0" a	42' 5" a	33' 4" a
1600S300-97	50	54' 10"	49' 9"	43' 4"	61' 4"	55' 7"i	45' 9"i	49' 11"	45' 4"	39' 6"	55' 11"	50' 9"	44' 2"i
1600S350-118	50	61' 0"	55' 5"	48' 5"	68' 6"	62' 3"	54' 4"i	55' 5"	50' 4"	44' 0"	62' 3"	56' 6"	49' 5"
1600S350-68	50	50' 5"e	45' 9"e	39' 4"e	54' 8" a	46' 3" a	36' 1" a	46' 0" e	41' 9" e	36' 4" e	51' 5" a	46' 3" a	36' 1" a
1600S350-97	50	57' 3"	52' 0"	45' 4"	64' 1"	58' 2"i	50' 7"i	52' 1"	47' 4"	41' 3"	58' 5"	53' 0"	46' 2"i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
600S162-33	33	12' 7"e	10' 11"e	8' 11"e	12' 7"i	10' 11"i	8' 11"a	12' 6"e	10' 11"e	8' 11"e	12' 7"i	10' 11"i	8' 11"a
600S162-33	33	11' 3"e	9' 9"e	7' 11"e	11' 3"i	9' 9"a	7' 11"a	11' 3"e	9' 9"e	7' 11"e	11' 3"i	9' 9"a	7' 11"a
600S162-43	33	15' 0"	13' 5"	11' 0"e	15' 6"i	13' 5"i	11' 0"i	13' 8"	12' 5"	10' 10"e	15' 4"i	13' 5"i	11' 0"i
600S162-43	33	13' 8"	12' 0"e	9' 10"e	13' 11"i	12' 0"i	9' 10"i	12' 5"	11' 3"	9' 10"e	13' 11"i	12' 0"i	9' 10"i
600S162-54	33	16' 1"	14' 7"	12' 9"	18' 1"i	15' 9"i	12' 10"i	14' 7"	13' 3"	11' 7"	16' 5"i	14' 11"i	12' 10"i
600S162-54	50	16' 1"	14' 7"	12' 9"	18' 1"	16' 5"	14' 4"i	14' 7"	13' 3"	11' 7"	16' 5"	14' 11"	13' 0"i
600S162-54	33	14' 7"	13' 3"	11' 6"	16' 3"i	14' 1"i	11' 6"i	13' 3"	12' 1"	10' 7"	14' 11"i	13' 7"i	11' 6"i
600S162-54	50	14' 7"	13' 3"	11' 7"	16' 5"	14' 11"i	13' 0"i	13' 3"	12' 1"	10' 7"	14' 11"	13' 7"	11' 10"i
600S162-68	33	17' 3"	15' 8"	13' 8"	19' 4"i	17' 7"i	14' 11"i	15' 8"	14' 3"	12' 5"	17' 7"	16' 0"i	14' 0"i
600S162-68	50	17' 3"	15' 8"	13' 8"	19' 4"	17' 7"	15' 4"	15' 8"	14' 3"	12' 5"	17' 7"	16' 0"	14' 0"
600S162-68	33	15' 8"	14' 3"	12' 5"	17' 7"i	16' 0"i	13' 4"i	14' 3"	12' 11"	11' 4"	16' 0"	14' 6"i	12' 8"i
600S162-68	50	15' 8"	14' 3"	12' 5"	17' 7"	16' 0"	14' 0"i	14' 3"	12' 11"	11' 4"	16' 0"	14' 6"	12' 8"
600S162-97	33	19' 1"	17' 4"	15' 2"	21' 6"	19' 6"	17' 0"i	17' 4"	15' 9"	13' 9"	19' 6"	17' 9"	15' 6"
600S162-97	50	19' 1"	17' 4"	15' 2"	21' 6"	19' 6"	17' 0"	17' 4"	15' 9"	13' 9"	19' 6"	17' 9"	15' 6"
600S162-97	33	17' 4"	15' 9"	13' 9"	19' 6"	17' 9"	15' 6"i	15' 9"	14' 4"	12' 6"	17' 9"	16' 1"	14' 1"
600S162-97	50	17' 4"	15' 9"	13' 9"	19' 6"	17' 9"	15' 6"	15' 9"	14' 4"	12' 6"	17' 9"	16' 1"	14' 1"
600S162-118	50	20' 2"	18' 4"	16' 0"	22' 8"	20' 7"	18' 0"	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	16' 4"
600S200-33	33	13' 5"e	11' 7"e	9' 6"e	13' 5"i	11' 7"i	9' 6"a	13' 2"e	11' 7"e	9' 6"e	13' 5"i	11' 7"i	9' 6"a
600S200-33	33	12' 0"e	10' 4"e	8' 6"e	12' 0"i	10' 4"a	8' 3"a	11' 11"e	10' 4"e	8' 6"e	12' 0"i	10' 4"a	8' 3"a
600S200-43	33	15' 9"	13' 10"	11' 4"e	16' 0"i	13' 10"i	11' 4"i	14' 4"	13' 0"	11' 4"e	16' 0"i	13' 10"i	11' 4"i
600S200-43	33	14' 4"	12' 5"e	10' 2"e	14' 4"i	12' 5"i	10' 2"i	13' 0"	11' 10"	10' 2"e	14' 4"i	12' 5"i	10' 2"i
600S200-54	33	16' 11"	15' 4"	13' 5"	19' 0"i	16' 7"i	13' 7"i	15' 4"	14' 0"	12' 2"	17' 3"i	15' 8"i	13' 7"i
600S200-54	50	16' 11"	15' 4"	13' 5"	19' 0"	17' 3"i	15' 1"i	15' 4"	14' 0"	12' 2"	17' 3"	15' 8"	13' 8"i
600S200-54	33	15' 4"	14' 0"	12' 2"e	17' 2"i	14' 10"i	12' 2"i	14' 0"	12' 8"	11' 1"	15' 8"i	14' 3"i	12' 2"i
600S200-54	50	15' 4"	14' 0"	12' 2"	17' 3"	15' 8"i	13' 6"i	14' 0"	12' 8"	11' 1"	15' 8"	14' 3"	12' 5"i
600S200-68	33	18' 2"	16' 6"	14' 5"	20' 4"i	18' 6"i	15' 10"i	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"i	14' 8"i
600S200-68	50	18' 2"	16' 6"	14' 5"	20' 4"	18' 6"	16' 2"	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"	14' 8"
600S200-68	33	16' 6"	15' 0"	13' 1"	18' 6"i	16' 10"i	14' 2"i	15' 0"	13' 7"	11' 11"	16' 10"	15' 3"i	13' 4"i
600S200-68	50	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"	14' 8"i	15' 0"	13' 7"	11' 11"	16' 10"	15' 3"	13' 4"
600S200-97	33	20' 2"	18' 4"	16' 0"	22' 7"	20' 7"	17' 11"i	18' 4"	16' 8"	14' 6"	20' 7"	18' 8"	16' 4"
600S200-97	50	20' 2"	18' 4"	16' 0"	22' 7"	20' 7"	17' 11"	18' 4"	16' 8"	14' 6"	20' 7"	18' 8"	16' 4"
600S200-97	33	18' 4"	16' 8"	14' 6"	20' 7"	18' 8"	16' 4"i	16' 8"	15' 1"	13' 2"	18' 8"	17' 0"	14' 10"
600S200-97	50	18' 4"	16' 8"	14' 6"	20' 7"	18' 8"	16' 4"	16' 8"	15' 1"	13' 2"	18' 8"	17' 0"	14' 10"
600S200-118	50	21' 4"	19' 4"	16' 11"	23' 11"	21' 9"	19' 0"	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"
600S250-43	33	16' 5"	14' 3"	11' 7"e	16' 5"i	14' 3"i	11' 7"i	15' 0"	13' 7"	11' 7"e	16' 5"i	14' 3"i	11' 7"i
600S250-43	33	14' 8"	12' 9"e	10' 5"e	14' 8"i	12' 9"i	10' 5"i	13' 7"	12' 4"e	10' 5"e	14' 8"i	12' 9"i	10' 5"i
600S250-54	33	17' 9"	16' 1"	13' 6"	19' 1"i	16' 7"i	13' 6"i	16' 1"	14' 8"	12' 9"	18' 1"i	16' 5"i	13' 6"i
600S250-54	50	17' 9"	16' 1"	14' 1"	19' 11"	18' 1"i	15' 6"i	16' 1"	14' 8"	12' 9"	18' 1"	16' 5"	14' 4"i
600S250-54	33	16' 1"	14' 8"	12' 1"e	17' 1"i	14' 10"i	12' 1"i	14' 8"	13' 3"	11' 7"	16' 5"i	14' 10"i	12' 1"i
600S250-54	50	16' 1"	14' 8"	12' 9"	18' 1"i	16' 5"i	13' 10"i	14' 8"	13' 3"	11' 7"	16' 5"	14' 11"i	13' 0"i
600S250-68	33	19' 0"	17' 3"	15' 1"	21' 4"i	19' 5"i	16' 2"i	17' 3"	15' 8"	13' 9"	19' 5"	17' 8"i	15' 5"i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
600S250-68	50	19' 0"	17' 3"	15' 1"	21' 4"	19' 5"	16' 11" i	17' 3"	15' 8"	14' 3"	12' 6"	19' 5"	17' 8"
600S250-68	33	17' 3"	15' 8"	13' 9"	19' 5" i	17' 8" i	14' 6" i	15' 8"	14' 3"	12' 6"	17' 8"	16' 0" i	14' 0" i
600S250-68	50	17' 3"	15' 8"	13' 9"	19' 5"	17' 8"	15' 5" i	15' 8"	14' 3"	12' 6"	17' 8"	16' 0"	14' 0" i
600S250-97	33	21' 2"	19' 3"	16' 9"	23' 9"	21' 7"	18' 10" i	19' 3"	17' 6"	15' 3"	21' 7"	19' 7"	17' 2"
600S250-97	50	21' 2"	19' 3"	16' 9"	23' 9"	21' 7"	18' 10"	19' 3"	17' 6"	15' 3"	21' 7"	19' 7"	17' 2"
600S250-97	33	19' 3"	17' 6"	15' 3"	21' 7"	19' 7"	17' 2" i	17' 6"	15' 10"	13' 10"	19' 7"	17' 10"	15' 7"
600S250-97	50	19' 3"	17' 6"	15' 3"	21' 7"	19' 7"	17' 2"	17' 6"	15' 10"	13' 10"	19' 7"	17' 10"	15' 7"
600S250-118	50	22' 5"	20' 4"	17' 9"	25' 2"	22' 10"	20' 0"	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"
600S300-54	50	18' 6"	16' 9"	14' 7"	20' 7"	18' 7" i	15' 9" i	16' 9"	15' 3"	13' 4"	18' 10"	17' 1"	14' 10" i
600S300-54	50	16' 9"	15' 2"	13' 2"	18' 8" i	16' 10" i	14' 1" i	15' 3"	13' 10"	12' 1"	17' 1"	15' 6" i	13' 5" i
600S300-68	50	19' 10"	18' 0"	15' 9"	22' 3"	20' 2"	17' 7" i	18' 0"	16' 4"	14' 4"	20' 3"	18' 5"	16' 1"
600S300-68	50	18' 0"	16' 4"	14' 4"	20' 3"	18' 4"	15' 11" i	16' 4"	14' 10"	13' 0"	18' 5"	16' 8"	14' 7" i
600S300-97	50	22' 1"	20' 1"	17' 6"	24' 9"	22' 6"	19' 8"	20' 1"	18' 3"	15' 11"	22' 6"	20' 5"	17' 10"
600S300-97	50	20' 1"	18' 3"	15' 11"	22' 6"	20' 5"	17' 10"	18' 3"	16' 7"	14' 6"	20' 5"	18' 7"	16' 3"
600S300-118	50	23' 5"	21' 3"	18' 7"	26' 3"	23' 10"	20' 10"	21' 3"	19' 4"	16' 10"	23' 10"	21' 8"	18' 11"
600S350-54	50	19' 5"	17' 7"	15' 4"	21' 8"	19' 7" i	17' 1" i	17' 8"	16' 0"	14' 0"	19' 10"	17' 11"	15' 7" i
600S350-68	50	20' 10"	19' 0"	16' 7"	23' 5"	21' 3"	18' 7" i	19' 0"	17' 3"	15' 1"	21' 3"	19' 4"	16' 11"
600S350-97	50	23' 3"	21' 2"	18' 5"	26' 1"	23' 9"	20' 9"	21' 2"	19' 2"	16' 9"	23' 9"	21' 7"	18' 10"
600S350-118	50	24' 8"	22' 5"	19' 7"	27' 8"	25' 2"	22' 0"	22' 5"	20' 4"	17' 9"	25' 2"	22' 10"	20' 0"
800S162-33	33	14' 6" e	12' 7" e	10' 3" e	14' 6" a	11' 9" a	8' 8" a	14' 6" e	12' 7" e	10' 3" e	14' 6" a	11' 9" a	8' 8" a
800S162-33	33	13' 0" e	11' 3" e	9' 2" e	12' 4" a	10' 0" a	7' 3" a	13' 0" e	11' 3" e	9' 2" e	12' 4" a	10' 0" a	7' 3" a
800S162-43	33	17' 6"	15' 2" e	12' 4" e	17' 6" i	15' 2" i	12' 4" i	17' 1"	15' 2" e	12' 4" e	17' 6" i	15' 2" i	12' 4" i
800S162-43	33	15' 8" e	13' 6" e	11' 1" e	15' 8" i	13' 6" i	11' 1" a	15' 6" e	13' 6" e	11' 1" e	15' 8" i	13' 6" i	11' 1" a
800S162-54	33	20' 3"	17' 8"	14' 5" e	20' 5" i	17' 8" i	14' 5" i	18' 5"	16' 9"	14' 5" e	20' 5" i	17' 8" i	14' 5" i
800S162-54	50	20' 3"	18' 5"	16' 0"	22' 8" i	20' 3" i	16' 6" i	18' 5"	16' 9"	14' 7"	20' 8"	18' 9" i	16' 4" i
800S162-54	33	18' 3"	15' 10"	12' 11" e	18' 3" i	15' 10" i	12' 11" i	16' 9"	15' 3"	12' 11" e	18' 3" i	15' 10" i	12' 11" i
800S162-54	50	18' 5"	16' 8"	14' 7"	20' 7" i	18' 1" i	14' 9" i	16' 9"	15' 3"	13' 3"	18' 9" i	17' 0" i	14' 9" i
800S162-68	33	21' 9"	19' 9"	16' 10"	23' 9" i	20' 7" i	16' 10" i	19' 9"	18' 0"	15' 8"	22' 3" i	20' 2" i	16' 10" i
800S162-68	50	21' 9"	19' 9"	17' 3"	24' 5"	22' 3"	19' 5" i	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 8" i
800S162-68	33	19' 9"	18' 0"	15' 0"	21' 3" i	18' 5" i	15' 0" i	18' 0"	16' 4"	14' 3"	20' 2" i	18' 4" i	15' 0" i
800S162-68	50	19' 9"	18' 0"	15' 8"	22' 3"	20' 2" i	17' 4" i	18' 0"	16' 4"	14' 3"	20' 2"	18' 4" i	16' 0" i
800S162-97	33	24' 2"	22' 0"	19' 2"	27' 2"	24' 8"	21' 7" i	22' 0"	20' 0"	17' 5"	24' 8"	22' 5"	19' 7" i
800S162-97	33	22' 0"	20' 0"	17' 5"	24' 8"	22' 5" i	19' 7" i	20' 0"	18' 2"	15' 10"	22' 5"	20' 4"	17' 10" i
800S162-97	50	22' 0"	20' 0"	17' 5"	24' 8"	22' 5"	19' 7"	20' 0"	18' 2"	15' 10"	22' 5"	20' 4"	17' 10" i
800S162-118	50	25' 7"	23' 3"	20' 4"	28' 9"	26' 1"	22' 10"	23' 3"	21' 1"	18' 5"	26' 1"	23' 9"	20' 9"
800S200-33	33	15' 7" e	13' 6" e	11' 0" e	15' 1" a	12' 2" a	8' 11" a	15' 7" e	13' 6" e	11' 0" e	15' 1" a	12' 2" a	8' 11" a
800S200-33	33	13' 11" e	12' 1" e	9' 6" e	12' 9" a	10' 4" a	7' 6" a	13' 11" e	12' 1" e	9' 6" e	12' 9" a	10' 4" a	7' 6" a
800S200-43	33	18' 8"	16' 2" e	13' 3" e	18' 8" i	16' 2" i	13' 3" a	18' 0"	16' 2" e	13' 3" e	18' 8" i	16' 2" i	13' 3" a
800S200-43	33	16' 9" e	14' 6" e	11' 10" e	16' 9" i	14' 6" i	11' 10" a	16' 4" e	14' 6" e	11' 10" e	16' 9" i	14' 6" i	11' 10" a
800S200-54	33	21' 3"	19' 4"	15' 11" e	22' 6" i	19' 6" i	15' 11" i	19' 4"	17' 6"	15' 4" e	21' 8" i	19' 6" i	15' 11" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection							
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)				
800S200-54	50	21' 3"	19' 4"	16' 10"	23' 10" i	21' 7" i	17' 8" i	19' 4"	17' 6"	15' 11"	13' 11" e	21' 8"	19' 8" i	17' 5" i	14' 3" i
800S200-54	33	19' 4"	17' 5" e	14' 3" e	20' 1" i	17' 5" i	14' 3" i	17' 6"	15' 11"	13' 11" e	19' 8" i	17' 5" i	14' 3" i		
800S200-54	50	19' 4"	17' 6"	15' 4"	21' 8" i	19' 4" i	15' 9" i	17' 6"	15' 11"	13' 11"	19' 8" i	17' 11" i	15' 7" i		
800S200-68	33	22' 10"	20' 9"	18' 1"	25' 7" i	22' 10" i	18' 8" i	20' 9"	18' 10"	16' 5"	23' 3" i	21' 2" i	18' 6" i		
800S200-68	50	22' 10"	20' 9"	18' 1"	25' 7"	23' 3"	20' 4" i	20' 9"	18' 10"	16' 5"	23' 3"	21' 2"	18' 6"		
800S200-68	33	20' 9"	18' 10"	16' 5"	23' 3" i	20' 5" i	16' 8" i	18' 10"	17' 1"	14' 11"	21' 2" i	19' 2" i	16' 8" i		
800S200-68	50	20' 9"	18' 10"	16' 5"	23' 3"	21' 2" i	18' 6" i	18' 10"	17' 1"	14' 11"	21' 2"	19' 2"	16' 9" i		
800S200-97	33	25' 4"	23' 1"	20' 2"	28' 6"	25' 11"	22' 7" i	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 6" i		
800S200-97	50	25' 4"	23' 1"	20' 2"	28' 6"	25' 11"	22' 7"	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 6"		
800S200-97	33	23' 1"	20' 11"	18' 4"	25' 11"	23' 6" i	20' 6" i	20' 11"	19' 0"	16' 7"	23' 6"	21' 4"	18' 8" i		
800S200-97	50	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 6"	20' 11"	19' 0"	16' 7"	23' 6"	21' 4"	18' 8"		
800S200-118	50	26' 10"	24' 5"	21' 4"	30' 2"	27' 5"	23' 11"	24' 5"	22' 2"	19' 5"	27' 5"	24' 11"	21' 9"		
800S250-43	33	19' 2" e	16' 7" e	13' 7" e	19' 2" i	16' 7" i	13' 7" a	18' 9"	16' 7" e	13' 7" e	19' 2" i	16' 7" i	13' 7" a		
800S250-43	33	17' 2" e	14' 10" e	12' 2" e	17' 2" i	14' 10" i	12' 2" a	17' 0" e	14' 10" e	12' 2" e	17' 2" i	14' 10" i	12' 2" a		
800S250-54	33	22' 2"	19' 5"	15' 10" e	22' 5" i	19' 5" i	15' 10" i	20' 2"	18' 3"	15' 10" e	22' 5" i	19' 5" i	15' 10" i		
800S250-54	50	22' 2"	20' 2"	17' 7"	24' 11" i	22' 1" i	18' 1" i	20' 2"	18' 3"	16' 0"	22' 7"	20' 6" i	17' 11" i		
800S250-54	33	20' 0"	17' 4" e	14' 2" e	20' 0" i	17' 4" i	14' 2" i	18' 3"	16' 7"	14' 2" e	20' 0" i	17' 4" i	14' 2" i		
800S250-54	50	20' 2"	18' 3"	16' 0"	22' 7" i	19' 9" i	16' 2" i	18' 3"	16' 7"	14' 6"	20' 6" i	18' 8" i	16' 2" i		
800S250-68	33	23' 10"	21' 8"	18' 11"	26' 9" i	23' 4" i	19' 1" i	21' 8"	19' 8"	17' 2"	24' 3" i	22' 1" i	19' 1" i		
800S250-68	50	23' 10"	21' 8"	18' 11"	26' 9"	24' 3" i	21' 2" i	21' 8"	19' 8"	17' 2"	24' 3"	22' 1" i	19' 3" i		
800S250-68	33	21' 8"	19' 8"	17' 1"	24' 1" i	20' 11" i	17' 1" i	19' 8"	17' 10"	15' 7"	22' 1" i	20' 1" i	17' 1" i		
800S250-68	50	21' 8"	19' 8"	17' 2"	24' 3"	22' 1" i	18' 11" i	19' 8"	17' 10"	15' 7"	22' 1"	20' 1"	17' 6" i		
800S250-97	33	26' 6"	24' 1"	21' 0"	29' 9"	27' 1"	23' 7" i	24' 1"	21' 11"	19' 1"	27' 1"	24' 7"	21' 6" i		
800S250-97	50	26' 6"	24' 1"	21' 0"	29' 9"	27' 1"	23' 7"	24' 1"	21' 11"	19' 1"	27' 1"	24' 7"	21' 6"		
800S250-97	33	24' 1"	21' 11"	19' 1"	27' 1"	24' 7" i	21' 6" i	21' 11"	19' 11"	17' 4"	24' 7"	22' 4"	19' 6" i		
800S250-97	50	24' 1"	21' 11"	19' 1"	27' 1"	24' 7"	21' 6"	21' 11"	19' 11"	17' 4"	24' 7"	22' 4"	19' 6"		
800S250-118	50	28' 1"	25' 6"	22' 4"	31' 7"	28' 8"	25' 1"	25' 6"	23' 2"	20' 3"	28' 8"	26' 1"	22' 9"		
800S300-54	50	23' 0"	20' 10"	18' 1"	25' 6" i	22' 5" i	18' 4" i	20' 11"	19' 0"	16' 7"	23' 5" i	21' 3" i	18' 4" i		
800S300-54	50	20' 10"	18' 11"	16' 4"	23' 2" i	20' 1" i	16' 5" i	19' 0"	17' 3"	15' 0"	21' 3" i	19' 3" i	16' 5" i		
800S300-68	50	24' 9"	22' 6"	19' 7"	27' 9"	25' 2" i	21' 6" i	22' 6"	20' 5"	17' 10"	25' 3"	22' 11"	20' 0" i		
800S300-68	50	22' 6"	20' 5"	17' 10"	25' 2"	22' 10" i	19' 3" i	20' 5"	18' 7"	16' 2"	22' 11"	20' 10"	18' 2" i		
800S300-97	50	27' 7"	25' 1"	21' 11"	30' 11"	28' 1"	24' 7"	25' 1"	22' 9"	19' 11"	28' 1"	25' 7"	22' 4"		
800S300-97	50	25' 1"	22' 9"	19' 11"	28' 1"	25' 7"	22' 4"	22' 9"	20' 8"	18' 1"	25' 7"	23' 3"	20' 3"		
800S300-118	50	29' 3"	26' 7"	23' 3"	32' 10"	29' 10"	26' 1" i	26' 7"	24' 2"	21' 1" i	29' 10"	27' 1" i	23' 8"		
800S350-54	50	24' 2"	21' 10"	19' 0"	26' 11" i	24' 4" i	20' 2" i	21' 11"	19' 11"	17' 5"	24' 7" i	22' 3" i	19' 5" i		
800S350-68	50	26' 0"	23' 7"	20' 8"	29' 2"	26' 6" i	23' 2" i	23' 7"	21' 5"	18' 9"	26' 6"	24' 1"	21' 0" i		
800S350-97	50	29' 0"	26' 4"	23' 0"	32' 7"	29' 7"	25' 10"	26' 4"	23' 11"	20' 11"	29' 7"	26' 11"	23' 6"		
800S350-118	50	30' 10"	28' 0"	24' 5"	34' 7"	31' 5"	27' 5"	28' 0"	25' 5"	22' 2"	31' 5"	28' 6"	24' 11"		
1000S162-43	33	19' 4" e	16' 9" e	13' 8" e	19' 4" a	16' 9" a	13' 4" a	19' 4" e	16' 9" e	13' 8" e	19' 4" a	16' 9" a	13' 4" a		
1000S162-43	33	17' 4" e	15' 0" e	12' 3" e	17' 4" a	15' 0" a	11' 4" a	17' 4" e	15' 0" e	12' 3" e	17' 4" a	15' 0" a	11' 4" a		
1000S162-54	33	22' 9"	19' 9"	16' 1" e	22' 9" i	19' 9" i	16' 1" i	22' 0"	19' 9"	16' 1" e	22' 9" i	19' 9" i	16' 1" i		

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S162-54	50	24' 1"	21' 10"	18' 4"	25' 11" i	22' 6" i	18' 4" i	22' 0"	19' 11"	17' 4"	24' 7" i	22' 3" i	18' 4" i
1000S162-54	33	20' 4"	17' 8" e	14' 5" e	20' 4" i	17' 8" i	14' 5" i	20' 0"	17' 8" e	14' 5" e	20' 4" i	17' 8" i	14' 5" i
1000S162-54	50	21' 11"	19' 10"	16' 5"	23' 2" i	20' 1" i	16' 5" i	20' 0"	18' 1"	15' 9"	22' 4" i	20' 1" i	16' 5" i
1000S162-68	33	26' 2"	23' 2"	18' 11"	26' 9" i	23' 2" i	18' 11" i	23' 9"	21' 7"	18' 10"	26' 8" i	23' 2" i	18' 11" i
1000S162-68	50	26' 2"	23' 9"	20' 8"	29' 3"	26' 6" i	21' 8" i	23' 9"	21' 7"	18' 10"	26' 8"	24' 2"	21' 1" i
1000S162-68	33	23' 9"	20' 9"	16' 11" e	23' 11" i	20' 9" i	16' 11" i	21' 7"	19' 8"	16' 11" e	23' 11" i	20' 9" i	16' 11" i
1000S162-68	50	23' 9"	21' 7"	18' 9"	26' 7" i	23' 9" i	19' 5" i	21' 7"	19' 8"	17' 2"	24' 3"	22' 0" i	19' 2" i
1000S162-97	33	29' 2"	26' 6"	23' 1"	32' 8" i	28' 11" i	23' 8" i	26' 6"	24' 1"	21' 0"	29' 9"	27' 0" i	23' 7" i
1000S162-97	50	29' 2"	26' 6"	23' 1"	32' 8"	29' 9"	26' 0"	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7" i
1000S162-97	33	26' 6"	24' 1"	21' 0"	29' 9" i	25' 11" i	21' 2" i	24' 1"	21' 10"	19' 1"	27' 0"	24' 6" i	21' 2" i
1000S162-97	50	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7" i	24' 1"	21' 10"	19' 1"	27' 0"	24' 6"	21' 5" i
1000S162-118	50	30' 10"	28' 0"	24' 6"	34' 8"	31' 6"	27' 6"	28' 0"	25' 6"	22' 3"	31' 6"	28' 7"	25' 0" i
1000S200-43	33	20' 11" e	18' 1" e	14' 9" e	20' 11" a	18' 1" a	13' 10" a	20' 11" e	18' 1" e	14' 9" e	20' 11" a	18' 1" a	13' 10" a
1000S200-43	33	18' 8" e	16' 2" e	13' 2" e	18' 8" a	15' 9" a	11' 8" a	18' 8" e	16' 2" e	13' 2" e	18' 8" a	15' 9" a	11' 8" a
1000S200-54	33	24' 5"	21' 2" e	17' 3" e	24' 5" i	21' 2" i	17' 3" i	23' 0"	20' 10" e	17' 3" e	24' 5" i	21' 2" i	17' 3" i
1000S200-54	50	25' 2"	22' 10"	19' 9"	27' 10" i	24' 2" i	19' 9" i	23' 0"	20' 10"	18' 2"	25' 8" i	23' 3" i	19' 9" i
1000S200-54	33	21' 10"	18' 11" e	15' 6" e	21' 10" i	18' 11" i	15' 6" a	20' 10"	18' 11" e	15' 6" e	21' 10" i	18' 11" i	15' 6" a
1000S200-54	50	22' 10"	20' 9"	17' 8" e	24' 11" i	21' 7" i	17' 8" i	20' 10"	18' 11"	16' 6"	23' 4" i	21' 2" i	17' 8" i
1000S200-68	33	27' 4"	24' 9"	20' 3"	28' 7" i	24' 9" i	20' 3" i	24' 10"	22' 7"	19' 8"	27' 10" i	24' 9" i	20' 3" i
1000S200-68	50	27' 4"	24' 10"	21' 7"	30' 7" i	27' 9" i	23' 2" i	24' 10"	22' 7"	19' 8"	27' 10"	25' 3" i	22' 0" i
1000S200-68	33	24' 10"	22' 2"	18' 1" e	25' 7" i	22' 2" i	18' 1" i	22' 7"	20' 6"	17' 11" e	25' 4" i	22' 2" i	18' 1" i
1000S200-68	50	24' 10"	22' 6"	19' 8"	27' 9" i	25' 2" i	20' 9" i	22' 7"	20' 6"	17' 11"	25' 4"	22' 11" i	20' 0" i
1000S200-97	33	30' 5"	27' 8"	24' 2"	34' 2" i	30' 11" i	25' 3" i	27' 8"	25' 1"	21' 11"	31' 0"	28' 2" i	24' 8" i
1000S200-97	50	30' 5"	27' 8"	24' 2"	34' 2"	31' 0"	27' 1"	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8" i
1000S200-97	33	27' 8"	25' 1"	21' 11"	31' 0" i	27' 8" i	22' 7" i	25' 1"	22' 10"	19' 11"	28' 2"	25' 7" i	22' 5" i
1000S200-97	50	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8" i	25' 1"	22' 10"	19' 11"	28' 2"	25' 7"	22' 5" i
1000S200-118	50	32' 3"	29' 4"	25' 7"	36' 3"	32' 11"	28' 9"	29' 4"	26' 8"	23' 3"	32' 11"	29' 11"	26' 1" i
1000S250-43	33	21' 6" e	18' 7" e	15' 2" e	21' 6" a	18' 7" a	14' 2" a	21' 6" e	18' 7" e	15' 2" e	21' 6" a	18' 7" a	14' 2" a
1000S250-43	33	19' 3" e	16' 8" e	13' 7" e	19' 3" a	16' 2" a	12' 0" a	19' 3" e	16' 8" e	13' 7" e	19' 3" a	16' 2" a	12' 0" a
1000S250-54	33	25' 2"	21' 10" e	17' 10" e	25' 2" i	21' 10" i	17' 10" i	24' 0"	21' 10" e	17' 10" e	25' 2" i	21' 10" i	17' 10" i
1000S250-54	50	26' 5"	24' 0"	20' 3"	28' 8" i	24' 9" i	20' 3" i	24' 0"	21' 10"	19' 1"	27' 0" i	24' 6" i	20' 3" i
1000S250-54	33	22' 6" e	19' 6" e	15' 11" e	22' 6" i	19' 6" i	15' 11" a	21' 10"	19' 6" e	15' 11" e	22' 6" i	19' 6" i	15' 11" a
1000S250-54	50	24' 0"	21' 10"	18' 1" e	25' 7" i	22' 2" i	18' 1" i	21' 10"	19' 10"	17' 4" e	24' 6" i	22' 2" i	18' 1" i
1000S250-68	33	28' 5"	25' 10"	21' 6" e	30' 5" i	26' 4" i	21' 6" i	25' 10"	23' 5"	20' 6"	29' 0" i	26' 4" i	21' 6" i
1000S250-68	50	28' 5"	25' 10"	22' 7"	31' 11"	29' 0" i	23' 10" i	25' 10"	23' 5"	20' 6"	29' 0"	26' 4" i	23' 0" i
1000S250-68	33	25' 10"	23' 5"	19' 3" e	27' 3" i	23' 7" i	19' 3" i	23' 5"	21' 4"	18' 7" e	26' 4" i	23' 7" i	19' 3" i
1000S250-68	50	25' 10"	23' 5"	20' 6"	29' 0" i	26' 1" i	21' 4" i	23' 5"	21' 4"	18' 7"	26' 4"	23' 11" i	20' 11" i
1000S250-97	33	31' 8"	28' 9"	25' 2"	35' 7"	32' 4" i	27' 8" i	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8" i
1000S250-97	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4" i	28' 3" i	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8" i
1000S250-97	33	28' 9"	26' 2"	22' 10"	32' 4" i	29' 4" i	24' 9" i	26' 2"	23' 9"	20' 9"	29' 4"	26' 8" i	23' 4" i
1000S250-97	50	28' 9"	26' 2"	22' 10"	32' 4" i	29' 4" i	25' 8" i	26' 2"	23' 9"	20' 9"	29' 4"	26' 8"	23' 4" i
1000S250-118	50	33' 7"	30' 7"	26' 8"	37' 9"	34' 4"	29' 11"	30' 7"	27' 9"	24' 3"	34' 4"	31' 2"	27' 3" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S300-54	50	27' 4"	24' 9"	20' 7"	29' 1" i	25' 2" i	20' 7" i	24' 10"	22' 7"	19' 8"	27' 10" i	25' 2" i	20' 7" i
1000S300-54	50	24' 9"	22' 5"	18' 5" e	26' 0" i	22' 6" i	18' 5" i	22' 7"	20' 6"	17' 10" e	25' 3" i	22' 6" i	18' 5" i
1000S300-68	50	29' 5"	26' 9"	23' 4"	33' 0" i	29' 8" i	24' 3" i	26' 9"	24' 4"	21' 3"	30' 0"	27' 3" i	23' 9" i
1000S300-68	50	26' 9"	24' 4"	21' 2"	29' 11" i	26' 6" i	21' 8" i	24' 4"	22' 1"	19' 3"	27' 3"	24' 9" i	21' 7" i
1000S300-97	50	32' 10"	29' 10"	26' 1"	36' 10"	33' 6"	29' 3"	29' 10"	27' 1"	23' 8"	33' 6"	30' 5"	26' 7"
1000S300-97	50	29' 10"	27' 1"	23' 8"	33' 6"	30' 5"	26' 7" i	27' 1"	24' 8"	21' 6"	30' 5"	27' 8"	24' 2"
1000S300-118	50	34' 10"	31' 8"	27' 8"	39' 2"	35' 7"	31' 1"	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3"
1000S350-54	50	28' 7"	25' 11"	22' 7" e	31' 11" i	27' 1" i	21' 2" i	26' 1"	23' 8"	20' 7"	29' 2" i	26' 5" i	21' 2" i
1000S350-68	50	30' 11"	28' 1"	24' 6"	34' 8" i	31' 6" i	26' 10" i	28' 1"	25' 6"	22' 3"	31' 6"	28' 7" i	25' 0" i
1000S350-97	50	34' 6"	31' 4"	27' 4"	38' 9"	35' 2"	30' 9" i	31' 4"	28' 6"	24' 10"	35' 2"	32' 0"	27' 11"
1000S350-118	50	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"	33' 4"	30' 3"	26' 5"	37' 5"	34' 0"	29' 8"
1200S162-54	33	24' 7" e	21' 4" e	17' 5" e	24' 7" a	21' 4" a	17' 5" a	24' 7" e	21' 4" e	17' 5" e	24' 7" a	21' 4" a	17' 5" a
1200S162-54	50	27' 9" e	24' 2" e	19' 9" e	27' 11" a	24' 2" a	19' 9" a	25' 4" e	22' 11" e	19' 9" e	27' 11" a	24' 2" a	19' 9" a
1200S162-54	33	22' 0" e	19' 1" e	15' 7" e	22' 0" a	19' 1" a	15' 7" a	22' 0" e	19' 1" e	15' 7" e	22' 0" a	19' 1" a	15' 7" a
1200S162-54	50	25' 0" e	21' 7" e	17' 8" e	25' 0" a	21' 7" a	17' 8" a	23' 0" e	20' 10" e	17' 8" e	25' 0" a	21' 7" a	17' 8" a
1200S162-68	33	29' 2"	25' 3"	20' 7" e	29' 2" i	25' 3" i	20' 7" i	27' 7"	25' 0"	20' 7" e	29' 2" i	25' 3" i	20' 7" i
1200S162-68	50	30' 3"	27' 5"	23' 6"	33' 2" i	28' 9" i	23' 6" i	27' 7"	25' 0"	21' 9"	30' 10"	27' 11" i	23' 6" i
1200S162-68	33	26' 1"	22' 7"	18' 5" e	26' 1" i	22' 7" i	18' 5" i	25' 1"	22' 7"	18' 5" e	26' 1" i	22' 7" i	18' 5" i
1200S162-68	50	27' 5"	24' 11"	21' 0"	29' 8" i	25' 9" i	21' 0" i	25' 1"	22' 9"	19' 9"	28' 0" i	25' 4" i	21' 0" i
1200S162-97	33	34' 0"	30' 11"	26' 5"	37' 5" i	32' 5" i	26' 5" i	30' 11"	28' 1"	24' 6"	34' 8" i	31' 6" i	26' 5" i
1200S162-97	50	34' 0"	30' 11"	27' 0"	38' 2"	34' 8"	30' 3" i	30' 11"	28' 1"	24' 6"	34' 8"	31' 6"	27' 6"
1200S162-97	33	30' 11"	28' 1"	23' 8"	33' 5" i	28' 11" i	23' 8" i	28' 1"	25' 6"	22' 3"	31' 6" i	28' 8" i	23' 8" i
1200S162-97	50	30' 11"	28' 1"	24' 6"	34' 8"	31' 6"	27' 3" i	28' 1"	25' 6"	22' 3"	31' 6"	28' 8"	25' 0" i
1200S162-118	50	36' 1"	32' 9"	28' 7"	40' 6"	36' 9"	32' 1"	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2"
1200S200-54	33	26' 7" e	23' 0" e	18' 10" e	26' 7" a	23' 0" a	18' 10" a	26' 5" e	23' 0" e	18' 10" e	26' 7" a	23' 0" a	18' 10" a
1200S200-54	50	28' 11" e	26' 2" e	21' 4" e	30' 2" a	26' 2" a	21' 4" a	26' 5" e	23' 11" e	20' 10" e	29' 6" a	26' 2" a	21' 4" a
1200S200-54	33	23' 10" e	20' 7" e	16' 10" e	23' 10" a	20' 7" a	16' 10" a	23' 10" e	20' 7" e	16' 10" e	23' 10" a	20' 7" a	16' 10" a
1200S200-54	50	26' 3" e	23' 5" e	19' 1" e	27' 0" a	23' 5" a	18' 2" a	24' 0" e	21' 9" e	18' 11" e	26' 9" a	23' 5" a	18' 2" a
1200S200-68	33	31' 4"	27' 1"	22' 2" e	31' 4" i	27' 1" i	22' 2" i	28' 9"	26' 1"	22' 2" e	31' 4" i	27' 1" i	22' 2" i
1200S200-68	50	31' 6"	28' 7"	24' 11"	35' 2" i	30' 11" i	25' 3" i	28' 9"	26' 1"	22' 8"	32' 1"	29' 1" i	25' 3" i
1200S200-68	33	28' 0"	24' 3"	19' 10" e	28' 0" i	24' 3" i	19' 10" i	26' 1"	23' 8"	19' 10" e	28' 0" i	24' 3" i	19' 10" i
1200S200-68	50	28' 7"	25' 11"	22' 7"	31' 11" i	27' 8" i	22' 7" i	26' 1"	23' 8"	20' 7"	29' 2" i	26' 5" i	22' 7" i
1200S200-97	33	35' 5"	32' 2"	28' 1"	39' 9" i	34' 6" i	28' 2" i	32' 2"	29' 3"	25' 6"	36' 1"	32' 10" i	28' 2" i
1200S200-97	50	35' 5"	32' 2"	28' 1"	39' 9"	36' 1"	31' 6" i	32' 2"	29' 3"	25' 6"	36' 1"	32' 10"	28' 8"
1200S200-97	33	32' 2"	29' 3"	25' 3"	35' 8" i	30' 11" i	25' 3" i	29' 3"	26' 6"	23' 2"	32' 10" i	29' 10" i	25' 3" i
1200S200-97	50	32' 2"	29' 3"	25' 6"	36' 1"	32' 10"	28' 8" i	29' 3"	26' 6"	23' 2"	32' 10"	29' 10"	26' 0" i
1200S200-118	50	37' 7"	34' 1"	29' 10"	42' 2"	38' 4"	33' 6"	34' 1"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5"
1200S250-54	33	27' 6" e	23' 10" e	19' 5" e	27' 6" a	23' 10" a	19' 5" a	27' 5" e	23' 10" e	19' 5" e	27' 6" a	23' 10" a	19' 5" a
1200S250-54	50	30' 1" e	27' 0" e	22' 1" e	31' 2" a	27' 0" a	21' 6" a	27' 5" e	24' 11" e	21' 8" e	30' 8" a	27' 0" a	21' 6" a
1200S250-54	33	24' 7" e	21' 4" e	17' 5" e	24' 7" a	21' 4" a	17' 0" a	24' 7" e	21' 4" e	17' 5" e	24' 7" a	21' 4" a	17' 0" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1200S250-54	50	27' 4" e	24' 2" e	19' 9" e	27' 11" a	24' 2" a	18' 4" a	24' 11" e	22' 7" e	19' 8" e	27' 10" a	24' 2" a	18' 4" a
1200S250-68	33	32' 5"	28' 1"	22' 11" e	32' 5" i	28' 1" i	22' 11" i	29' 10"	27' 1"	22' 11" e	32' 5" i	28' 1" i	22' 11" i
1200S250-68	50	32' 9"	29' 8"	25' 10"	36' 7" i	31' 11" i	26' 1" i	29' 10"	27' 1"	23' 7"	33' 4" i	30' 3" i	26' 1" i
1200S250-68	33	29' 0"	25' 1" e	20' 6" e	29' 0" i	25' 1" i	20' 6" i	27' 1"	24' 7" e	20' 6" e	29' 0" i	25' 1" i	20' 6" i
1200S250-68	50	29' 9"	26' 11"	23' 4"	33' 0" i	28' 7" i	23' 4" i	27' 1"	24' 7"	21' 5"	30' 4" i	27' 6" i	23' 4" i
1200S250-97	33	36' 9"	33' 4"	29' 2"	41' 3" i	35' 10" i	29' 3" i	33' 4"	30' 4"	26' 6"	37' 6"	34' 1" i	29' 3" i
1200S250-97	50	36' 9"	33' 4"	29' 2"	41' 3"	37' 6"	32' 9" i	33' 4"	30' 4"	26' 6"	37' 6"	34' 1"	29' 9"
1200S250-97	33	33' 4"	30' 4"	26' 2"	37' 0" i	32' 0" i	26' 2" i	30' 4"	27' 7"	24' 1"	34' 1" i	30' 11" i	26' 2" i
1200S250-97	50	33' 4"	30' 4"	26' 6"	37' 6"	34' 1"	29' 9" i	30' 4"	27' 7"	24' 1"	34' 1"	30' 11"	27' 0" i
1200S250-118	50	39' 0"	35' 5"	30' 11"	43' 9"	39' 9"	34' 9"	35' 5"	32' 2"	28' 2"	39' 9"	36' 2"	31' 7"
1200S300-54	50	31' 6" e	27' 6" e	22' 6" e	31' 10" a	27' 6" a	21' 10" a	28' 9" e	26' 1" e	22' 6" e	31' 10" a	27' 6" a	21' 10" a
1200S300-54	50	28' 5" e	24' 8" e	20' 1" e	28' 5" a	24' 8" a	18' 7" a	26' 1" e	23' 8" e	20' 1" e	28' 5" a	24' 8" a	18' 7" a
1200S300-68	50	34' 0"	30' 11"	26' 7"	37' 7" i	32' 7" i	26' 7" i	30' 11"	28' 1"	24' 6"	34' 8" i	31' 6" i	26' 7" i
1200S300-68	50	30' 11"	28' 1"	23' 9"	33' 7" i	29' 1" i	23' 9" i	28' 1"	25' 6"	22' 3"	31' 6" i	28' 7" i	23' 9" i
1200S300-97	50	38' 0"	34' 6"	30' 2"	42' 8"	38' 9"	33' 10" i	34' 6"	31' 4"	27' 5"	38' 9"	35' 2"	30' 9"
1200S300-97	50	34' 6"	31' 4"	27' 5"	38' 9"	35' 2"	30' 8" i	31' 4"	28' 6"	24' 11"	35' 2"	32' 0"	27' 11" i
1200S300-118	50	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	36' 0"	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"
1200S350-54	50	33' 0" e	29' 11" e	25' 2" e	33' 3" a	27' 9" a	21' 2" a	30' 1" e	27' 3" e	23' 9" e	33' 3" a	27' 9" a	21' 2" a
1200S350-68	50	35' 7"	32' 4"	28' 3"	40' 0" i	36' 3" i	29' 4" i	32' 4"	29' 5"	25' 8"	36' 4" i	33' 0" i	28' 10" i
1200S350-97	50	39' 10"	36' 2"	31' 7"	44' 8"	40' 7"	35' 6" i	36' 2"	32' 10"	28' 8"	40' 7"	36' 11"	32' 3"
1200S350-118	50	42' 4"	38' 5"	33' 7"	47' 6"	43' 2"	37' 8"	38' 5"	34' 11"	30' 6"	43' 2"	39' 3"	34' 3"
1400S162-54	33	26' 1" e	22' 7" e	18' 5" e	26' 1" a	22' 7" a	18' 5" a	26' 1" e	22' 7" e	18' 5" e	26' 1" a	22' 7" a	18' 5" a
1400S162-54	50	29' 6" e	25' 6" e	20' 10" e	29' 6" a	25' 6" a	20' 3" a	28' 6" e	25' 6" e	20' 10" e	29' 6" a	25' 6" a	20' 3" a
1400S162-54	33	23' 4" e	20' 3" e	16' 6" e	23' 4" a	20' 3" a	15' 10" a	23' 4" e	20' 3" e	16' 6" e	23' 4" a	20' 3" a	15' 10" a
1400S162-54	50	26' 4" e	22' 10" e	18' 8" e	26' 4" a	22' 10" a	17' 1" a	25' 10" e	22' 10" e	18' 8" e	26' 4" a	22' 10" a	17' 1" a
1400S162-68	33	31' 1"	26' 11"	22' 0" e	31' 1" i	26' 11" i	22' 0" i	31' 1"	26' 11"	22' 0" e	31' 1" i	26' 11" i	22' 0" i
1400S162-68	50	34' 1"	30' 6"	24' 11"	35' 3" i	30' 6" i	24' 11" i	31' 2"	28' 3"	24' 7"	34' 9" i	30' 6" i	24' 11" i
1400S162-68	33	27' 10"	24' 1" e	19' 8" e	27' 10" i	24' 1" i	19' 8" i	27' 10"	24' 1" e	19' 8" e	27' 10" i	24' 1" i	19' 8" i
1400S162-68	50	30' 11"	27' 4"	22' 4"	31' 6" i	27' 4" i	22' 4" i	28' 3"	25' 8"	22' 3"	31' 6" i	27' 4" i	22' 4" i
1400S162-97	33	38' 10"	34' 11"	28' 6"	40' 4" i	34' 11" i	28' 6" i	35' 3"	32' 0"	28' 0"	39' 7" i	34' 11" i	28' 6" i
1400S162-97	50	38' 10"	35' 3"	30' 8"	43' 5"	39' 4" i	32' 8" i	35' 3"	32' 0"	28' 0"	39' 7"	35' 11"	31' 3" i
1400S162-97	33	35' 3"	31' 3"	25' 6"	36' 1" i	31' 3" i	25' 6" i	32' 0"	29' 1"	25' 5"	36' 0" i	31' 3" i	25' 6" i
1400S162-97	50	35' 3"	32' 0"	27' 10"	39' 5"	35' 9" i	29' 2" i	32' 0"	29' 1"	25' 5"	36' 0" i	32' 7"	28' 5" i
1400S162-118	50	41' 2"	37' 5"	32' 8"	46' 3"	42' 0"	36' 8" i	37' 5"	34' 0"	29' 8"	42' 0"	38' 2"	33' 4"
1400S200-54	33	28' 4" e	24' 6" e	20' 0" e	28' 4" a	24' 6" a	19' 4" a	28' 4" e	24' 6" e	20' 0" e	28' 4" a	24' 6" a	19' 4" a
1400S200-54	50	32' 1" e	27' 9" e	22' 8" e	32' 1" a	27' 9" a	20' 8" a	29' 8" e	26' 11" e	22' 8" e	32' 1" a	27' 9" a	20' 8" a
1400S200-54	33	25' 4" e	21' 11" e	17' 11" e	25' 4" a	21' 11" a	16' 5" a	25' 4" e	21' 11" e	17' 11" e	25' 4" a	21' 11" a	16' 5" a
1400S200-54	50	28' 8" e	24' 10" e	20' 3" e	28' 8" a	23' 8" a	17' 5" a	26' 11" e	24' 5" e	20' 3" e	28' 8" a	23' 8" a	17' 5" a
1400S200-68	33	33' 6"	29' 1"	23' 9" e	33' 6" i	29' 1" i	23' 9" i	32' 5"	29' 1"	23' 9" e	33' 6" i	29' 1" i	23' 9" i
1400S200-68	50	35' 6"	32' 2"	26' 11"	38' 1" i	33' 0" i	26' 11" i	32' 5"	29' 4"	25' 7"	36' 2" i	32' 9" i	26' 11" i
1400S200-68	33	30' 0"	26' 0" e	21' 3" e	30' 0" i	26' 0" i	21' 3" a	29' 5"	26' 0" e	21' 3" e	30' 0" i	26' 0" i	21' 3" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 30 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S200-68	50	32' 3"	29' 2"	24' 1" e	34' 1" i	29' 6" i	24' 1" i	29' 5"	26' 8"	23' 2"	32' 10" i	29' 6" i	24' 1" i
1400S200-97	33	40' 3"	36' 7"	30' 6"	43' 2" i	37' 5" i	30' 6" i	36' 7"	33' 3"	29' 1"	41' 1" i	37' 4" i	30' 6" i
1400S200-97	50	40' 3"	36' 7"	31' 11"	45' 2"	40' 11"	35' 0" i	36' 7"	33' 3"	29' 1"	41' 1"	37' 4"	32' 6" i
1400S200-97	33	36' 7"	33' 3"	27' 4"	38' 7" i	33' 5" i	27' 4" i	33' 3"	30' 2"	26' 5"	37' 4" i	33' 5" i	27' 4" i
1400S200-97	50	36' 7"	33' 3"	29' 0"	41' 0"	37' 2" i	31' 4" i	33' 3"	30' 2"	26' 5"	37' 4"	33' 11"	29' 6" i
1400S200-118	50	42' 9"	38' 10"	33' 11"	48' 0"	43' 8"	38' 1"	38' 10"	35' 4"	30' 10"	43' 8"	39' 8"	34' 8"
1400S250-54	33	29' 6" e	25' 6" e	20' 10" e	29' 6" a	25' 6" a	19' 6" a	29' 6" e	25' 6" e	20' 10" e	29' 6" a	25' 6" a	19' 6" a
1400S250-54	50	33' 4" e	28' 10" e	23' 7" e	33' 4" a	28' 2" a	20' 10" a	30' 10" e	27' 11" e	23' 7" e	33' 4" a	28' 2" a	20' 10" a
1400S250-54	33	26' 4" e	22' 10" e	18' 8" e	26' 4" a	22' 3" a	16' 6" a	26' 4" e	22' 10" e	18' 8" e	26' 4" a	22' 3" a	16' 6" a
1400S250-54	50	29' 10" e	25' 10" e	21' 1" e	29' 6" a	23' 11" a	17' 7" a	28' 0" e	25' 4" e	21' 1" e	29' 6" a	23' 11" a	17' 7" a
1400S250-68	33	34' 10"	30' 2" e	24' 8" e	34' 10" i	30' 2" i	24' 8" i	33' 7"	30' 2" e	24' 8" e	34' 10" i	30' 2" i	24' 8" i
1400S250-68	50	36' 10"	33' 4"	27' 11"	39' 6" i	34' 3" i	27' 11" i	33' 7"	30' 6"	26' 6"	37' 6" i	34' 0" i	27' 11" i
1400S250-68	33	31' 2"	27' 0" e	22' 0" e	31' 2" i	27' 0" i	22' 0" a	30' 6"	27' 0" e	22' 0" e	31' 2" i	27' 0" i	22' 0" a
1400S250-68	50	33' 5"	30' 4"	25' 0" e	35' 4" i	30' 7" i	25' 0" i	30' 6"	27' 8"	24' 1" e	34' 1" i	30' 7" i	25' 0" i
1400S250-97	33	41' 8"	37' 11"	31' 8"	44' 10" i	38' 10" i	31' 8" i	37' 11"	34' 5"	30' 1"	42' 6" i	38' 8" i	31' 8" i
1400S250-97	50	41' 8"	37' 11"	33' 1"	46' 9"	42' 5" i	36' 3" i	37' 11"	34' 5"	30' 1"	42' 6"	38' 8"	33' 8" i
1400S250-97	33	37' 11"	34' 5"	28' 4"	40' 1" i	34' 9" i	28' 4" i	34' 5"	31' 3"	27' 4"	38' 8" i	34' 9" i	28' 4" i
1400S250-97	50	37' 11"	34' 5"	30' 0"	42' 5"	38' 6" i	32' 5" i	34' 5"	31' 3"	27' 4"	38' 8"	35' 1"	30' 7" i
1400S250-118	50	44' 4"	40' 3"	35' 2"	49' 9"	45' 2"	39' 6"	40' 3"	36' 7"	31' 11"	45' 2"	41' 1"	35' 10"
1400S300-54	50	34' 1" e	29' 7" e	24' 1" e	34' 1" a	28' 4" a	20' 11" a	31' 10" e	28' 9" e	24' 1" e	34' 1" a	28' 4" a	20' 11" a
1400S300-54	50	30' 6" e	26' 5" e	21' 7" e	29' 8" a	24' 0" a	17' 8" a	28' 10" e	26' 1" e	21' 7" e	29' 8" a	24' 0" a	17' 8" a
1400S300-68	50	38' 1"	34' 5"	28' 7"	40' 6" i	35' 1" i	28' 7" i	34' 8"	31' 6"	27' 5"	38' 9" i	35' 0" i	28' 7" i
1400S300-68	50	34' 6"	31' 2"	25' 7" e	36' 2" i	31' 4" i	25' 7" i	31' 6"	28' 7"	24' 10" e	35' 2" i	31' 4" i	25' 7" i
1400S300-97	50	43' 0"	39' 1"	34' 2"	48' 3"	43' 10" i	37' 2" i	39' 1"	35' 6"	31' 0"	43' 11"	39' 11"	34' 9" i
1400S300-97	50	39' 1"	35' 6"	31' 0"	43' 10"	39' 9" i	33' 3" i	35' 6"	32' 3"	28' 2"	39' 11"	36' 3"	31' 7" i
1400S300-118	50	45' 9"	41' 7"	36' 4"	51' 4"	46' 8"	40' 9" i	41' 7"	37' 9"	33' 0"	46' 8"	42' 5"	37' 0"
1400S350-54	50	37' 2" e	33' 3" e	27' 1" e	33' 8" a	27' 7" a	20' 3" a	33' 11" e	30' 10" e	26' 9" e	33' 8" a	27' 7" a	20' 3" a
1400S350-68	50	40' 3"	36' 7"	31' 11" e	45' 2" i	38' 6" i	30' 1" i	36' 7"	33' 3"	29' 0"	41' 1" i	37' 3" i	30' 1" i
1400S350-97	50	45' 0"	40' 11"	35' 8"	50' 6"	45' 11"	40' 1" i	40' 11"	37' 2"	32' 5"	45' 11"	41' 8"	36' 5" i
1400S350-118	50	47' 10"	43' 6"	38' 0"	53' 9"	48' 10"	42' 8"	43' 6"	39' 6"	34' 6"	48' 10"	44' 4"	38' 9"
1600S200-68	50	39' 4" e	34' 8" e	28' 4" e	40' 1" a	34' 8" a	27' 5" a	35' 11" e	32' 7" e	28' 4" e	40' 0" a	34' 8" a	27' 5" a
1600S200-97	50	44' 11"	40' 9"	35' 6"	50' 2"	45' 5" i	37' 1" i	41' 0"	37' 2"	32' 5"	45' 10"	41' 6"	36' 2" i
1600S200-118	50	47' 11"	43' 7"	38' 1"	53' 10"	48' 10"	42' 7" i	43' 7"	39' 7"	34' 7"	48' 11"	44' 5"	38' 10"
1600S250-68	50	40' 9" e	36' 2" e	29' 6" e	41' 9" a	35' 5" a	27' 7" a	37' 2" e	33' 9" e	29' 4" e	41' 6" a	35' 5" a	27' 7" a
1600S250-97	50	46' 6"	42' 2"	36' 8"	51' 11"	47' 1" i	38' 7" i	42' 4"	38' 5"	33' 6"	47' 4"	42' 11"	37' 5" i
1600S250-118	50	49' 6"	45' 0"	39' 4"	55' 7"	50' 6"	44' 0" i	45' 0"	40' 11"	35' 9"	50' 6"	45' 11"	40' 1" i
1600S300-68	50	42' 0" e	37' 2" e	30' 4" e	42' 5" a	35' 10" a	27' 10" a	38' 5" e	34' 10" e	30' 3" e	42' 5" a	35' 10" a	27' 10" a
1600S300-97	50	47' 11"	43' 5"	37' 10"	53' 7"	48' 6" i	39' 7" i	43' 7"	39' 7"	34' 6"	48' 10"	44' 3"	38' 7" i
1600S300-118	50	51' 0"	46' 4"	40' 6"	57' 4"	52' 1"	45' 5" i	46' 4"	42' 2"	36' 10"	52' 1"	47' 4"	41' 4" i
1600S350-68	50	44' 0" e	39' 11" e	34' 0" e	46' 3" a	38' 10" a	29' 10" a	40' 2" e	36' 5" e	31' 9" e	44' 11" a	38' 10" a	29' 10" a
1600S350-97	50	50' 0"	45' 5"	39' 7"	56' 0"	50' 9" i	43' 10" i	45' 6"	41' 4"	36' 1"	51' 0"	46' 3"	40' 4" i
1600S350-118	50	53' 4"	48' 5"	42' 4"	59' 10"	54' 4"	47' 5" i	48' 5"	44' 0"	38' 5"	54' 4"	49' 5"	43' 2" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 40 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a
600S162-33	33	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a
600S162-43	33	12' 8"	11' 0" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a	11' 6"	10' 5" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a
600S162-54	33	13' 7"	12' 4"	10' 6" e	14' 10" i	12' 10" i	10' 6" i	12' 4"	11' 2"	9' 9"	13' 10" i	12' 7" i	10' 6" i
600S162-54	50	13' 7"	12' 4"	10' 9"	15' 3"	13' 10" i	12' 0" i	12' 4"	11' 2"	9' 9"	13' 10"	12' 7" i	11' 0" i
600S162-68	33	14' 7"	13' 3"	11' 7"	16' 4" i	14' 10" i	12' 2" i	13' 3"	12' 0"	10' 6"	14' 10" i	13' 6" i	11' 9" i
600S162-68	50	14' 7"	13' 3"	11' 7"	16' 4"	14' 10"	13' 0" i	13' 3"	12' 0"	10' 6"	14' 10"	13' 6"	11' 9"
600S162-97	33	16' 2"	14' 8"	12' 10"	18' 1"	16' 5"	14' 4" i	14' 8"	13' 4"	11' 8"	16' 5"	14' 11"	13' 1" i
600S162-97	50	16' 2"	14' 8"	12' 10"	18' 1"	16' 5"	14' 4"	14' 8"	13' 4"	11' 8"	16' 5"	14' 11"	13' 1" i
600S162-118	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	16' 4"	16' 8"	15' 2"	13' 3"	18' 9"	17' 0"	14' 10"
600S200-33	33	10' 11" e	9' 6" e	7' 9" e	10' 11" a	9' 6" a	7' 2" a	10' 11" e	9' 6" e	7' 9" e	10' 11" a	9' 6" a	7' 2" a
600S200-43	33	13' 1"	11' 4" e	9' 3" e	13' 1" i	11' 4" i	9' 3" a	12' 1"	11' 0" e	9' 3" e	13' 1" i	11' 4" i	9' 3" a
600S200-54	33	14' 3"	13' 0"	11' 1" e	15' 8" i	13' 7" i	11' 1" i	13' 0"	11' 9"	10' 3" e	14' 7" i	13' 3" i	11' 1" i
600S200-54	50	14' 3"	13' 0"	11' 4"	16' 0" i	14' 7" i	12' 4" i	13' 0"	11' 9"	10' 3"	14' 7"	13' 3" i	11' 7" i
600S200-68	33	15' 4"	13' 11"	12' 2"	17' 2" i	15' 7" i	12' 11" i	13' 11"	12' 8"	11' 0"	15' 7" i	14' 2" i	12' 5" i
600S200-68	50	15' 4"	13' 11"	12' 2"	17' 2"	15' 7"	13' 8" i	13' 11"	12' 8"	11' 0"	15' 7"	14' 2" i	12' 5" i
600S200-97	33	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	15' 2" i	15' 5"	14' 0"	12' 3"	17' 4"	15' 9"	13' 9" i
600S200-97	50	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	15' 2"	15' 5"	14' 0"	12' 3"	17' 4"	15' 9"	13' 9" i
600S200-118	50	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"	17' 7"	16' 0"	14' 0"	19' 9"	17' 11"	15' 8" i
600S250-43	33	13' 5" e	11' 7" e	9' 6" e	13' 5" i	11' 7" i	9' 6" a	12' 8"	11' 6" e	9' 6" e	13' 5" i	11' 7" i	9' 6" a
600S250-54	33	14' 11"	13' 6"	11' 0" e	15' 7" i	13' 6" i	11' 0" i	13' 7"	12' 4"	10' 9" e	15' 3" i	13' 6" i	11' 0" i
600S250-54	50	14' 11"	13' 7"	11' 10"	16' 9" i	15' 3" i	12' 8" i	13' 7"	12' 4"	10' 9"	15' 3"	13' 10" i	12' 1" i
600S250-68	33	16' 1"	14' 7"	12' 9"	18' 0" i	16' 2" i	13' 3" i	14' 7"	13' 3"	11' 7"	16' 4" i	14' 10" i	13' 0" i
600S250-68	50	16' 1"	14' 7"	12' 9"	18' 0"	16' 4" i	14' 4" i	14' 7"	13' 3"	11' 7"	16' 4"	14' 10"	13' 0" i
600S250-97	33	17' 10"	16' 3"	14' 2"	20' 0"	18' 2"	15' 11" i	16' 3"	14' 9"	12' 10"	18' 2"	16' 6"	14' 5" i
600S250-97	50	17' 10"	16' 3"	14' 2"	20' 0"	18' 2"	15' 11"	16' 3"	14' 9"	12' 10"	18' 2"	16' 6"	14' 5" i
600S250-118	50	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"	18' 6"	16' 10"	14' 8"	20' 9"	18' 10"	16' 6"
600S300-54	50	15' 7"	14' 1"	12' 3"	17' 3" i	15' 7" i	12' 10" i	14' 2"	12' 10"	11' 2"	15' 10" i	14' 4" i	12' 5" i
600S300-68	50	16' 9"	15' 2"	13' 3"	18' 9"	17' 0" i	14' 10" i	15' 2"	13' 10"	12' 1" i	17' 1"	15' 6"	13' 6" i
600S300-97	50	18' 7"	16' 11"	14' 9"	20' 11"	19' 0"	16' 7"	16' 11"	15' 4"	13' 5"	19' 0"	17' 3"	15' 1" i
600S300-118	50	21' 3"	19' 4"	16' 10"	23' 10"	21' 8"	18' 11"	19' 4"	17' 7"	15' 4"	21' 8"	19' 8"	17' 2" i
600S350-54	50	17' 8"	16' 0"	13' 11"	19' 8" i	17' 10" i	15' 3" i	16' 0"	14' 7"	12' 8"	18' 0"	16' 3" i	14' 2" i
600S350-68	50	19' 0"	17' 3"	15' 1"	21' 3"	19' 4"	16' 11" i	17' 3"	15' 8"	13' 8"	19' 4"	17' 7"	15' 4" i
600S350-97	50	21' 2"	19' 2"	16' 9"	23' 9"	21' 7"	18' 10"	19' 2"	17' 5"	15' 3"	21' 7"	19' 7"	17' 1" i
600S350-118	50	22' 5"	20' 4"	17' 9"	25' 2"	22' 10"	20' 0"	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2" i
800S162-33	33	11' 10" e	10' 3" e	7' 11" e	10' 9" a	8' 8" a	6' 3" a	11' 10" e	10' 3" e	7' 11" e	10' 9" a	8' 8" a	6' 3" a
800S162-43	33	14' 3" e	12' 4" e	10' 1" e	14' 3" i	12' 4" i	10' 1" a	14' 3" e	12' 4" e	10' 1" e	14' 3" i	12' 4" i	10' 1" a
800S162-54	33	16' 8"	14' 5" e	11' 9" e	16' 8" i	14' 5" i	11' 9" i	15' 7"	14' 1" i	11' 9" e	16' 8" i	14' 5" i	11' 9" i
800S162-54	50	17' 1"	15' 6"	13' 6"	19' 1" i	16' 6" i	13' 6" i	15' 7"	14' 1" i	12' 4"	17' 5" i	15' 10" i	13' 6" i
800S162-68	33	18' 4"	16' 8"	13' 9"	19' 5" i	16' 10" i	13' 9" i	16' 8"	15' 2"	13' 3"	18' 9" i	16' 10" i	13' 9" i
800S162-68	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9" i	15' 10" i	16' 8"	15' 2"	13' 3"	18' 9"	17' 0" i	14' 10" i
800S162-97	33	20' 5"	18' 6"	16' 2"	22' 11"	20' 10" i	18' 0" i	18' 6"	16' 10"	14' 9"	20' 10"	18' 11"	16' 6" i
800S162-97	50	20' 5"	18' 6"	16' 2"	22' 11"	20' 10"	18' 2"	18' 6"	16' 10"	14' 9"	20' 10"	18' 11"	16' 6" i
800S162-118	50	23' 3"	21' 1"	18' 5"	26' 1"	23' 9"	20' 9"	21' 1"	19' 2"	16' 9"	23' 9"	21' 7"	18' 10" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 40 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
800S200-33	33	12' 8" e	11' 0" e	7' 11" e	11' 2" a	8' 11" a	6' 4" a	12' 8" e	11' 0" e	7' 11" e	11' 2" a	8' 11" a	6' 4" a
800S200-43	33	15' 3" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a	15' 2" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a
800S200-54	33	17' 11"	15' 11" e	13' 0" e	18' 4" i	15' 11" i	13' 0" a	16' 3"	14' 9" e	12' 11" e	18' 3" i	15' 11" i	13' 0" a
800S200-54	50	17' 11"	16' 3"	14' 3"	20' 1" i	17' 8" i	14' 5" i	16' 3"	14' 9"	12' 11"	18' 3" i	16' 7" i	14' 5" i
800S200-68	33	19' 3"	17' 6"	15' 3" e	21' 7" i	18' 8" i	15' 3" i	17' 6"	15' 11"	13' 10"	19' 7" i	17' 10" i	15' 3" i
800S200-68	50	19' 3"	17' 6"	15' 3"	21' 7"	19' 7" i	17' 2" i	17' 6"	15' 11"	13' 10"	19' 7"	17' 10"	15' 7" i
800S200-97	33	21' 5"	19' 5"	17' 0"	24' 0"	21' 10" i	19' 0" i	19' 5"	17' 8"	15' 5"	21' 10"	19' 10"	17' 4" i
800S200-97	50	21' 5"	19' 5"	17' 0"	24' 0"	21' 10"	19' 1"	19' 5"	17' 8"	15' 5"	21' 10"	19' 10"	17' 4" i
800S200-118	50	24' 5"	22' 2"	19' 5"	27' 5"	24' 11"	21' 9"	22' 2"	20' 2"	17' 7"	24' 11"	22' 8"	19' 9"
800S250-43	33	15' 8" e	13' 7" e	11' 1" e	15' 8" i	13' 7" a	11' 1" a	15' 8" e	13' 7" e	11' 1" e	15' 8" i	13' 7" a	11' 1" a
800S250-54	33	18' 3"	15' 10" e	12' 11" e	18' 3" i	15' 10" i	12' 11" a	17' 0"	15' 5" e	12' 11" e	18' 3" i	15' 10" i	12' 11" a
800S250-54	50	18' 8"	17' 0"	14' 9" e	20' 10" i	18' 1" i	14' 9" i	17' 0"	15' 5"	13' 6"	19' 1" i	17' 4" i	14' 9" i
800S250-68	33	20' 1"	18' 3"	15' 7" e	22' 0" i	19' 1" i	15' 7" i	18' 3"	16' 7"	14' 6"	20' 6" i	18' 7" i	15' 7" i
800S250-68	50	20' 1"	18' 3"	15' 11"	22' 7" i	20' 6" i	17' 3" i	18' 3"	16' 7"	14' 6"	20' 6"	18' 7" i	16' 3" i
800S250-97	33	22' 4"	20' 4"	17' 9"	25' 1"	22' 10" i	19' 10" i	20' 4"	18' 5"	16' 1"	22' 10"	20' 9"	18' 1" i
800S250-97	50	22' 4"	20' 4"	17' 9"	25' 1"	22' 10"	19' 11"	20' 4"	18' 5"	16' 1"	22' 10"	20' 9"	18' 1" i
800S250-118	50	25' 6"	23' 2"	20' 3"	28' 8"	26' 1"	22' 9"	23' 2"	21' 1"	18' 5"	26' 1"	23' 8"	20' 8" i
800S300-54	50	19' 4"	17' 6"	14' 11" e	21' 2" i	18' 4" i	14' 11" i	17' 8"	16' 0"	13' 11"	19' 9" i	17' 10" i	14' 11" i
800S300-68	50	20' 10"	18' 11"	16' 6"	23' 4" i	21' 2" i	17' 7" i	18' 11"	17' 3"	15' 0"	21' 3"	19' 4" i	16' 10" i
800S300-97	50	23' 3"	21' 1"	18' 5"	26' 1"	23' 9"	20' 9" i	21' 1"	19' 2"	16' 9"	23' 9"	21' 7"	18' 10" i
800S300-118	50	26' 7"	24' 2"	21' 1"	29' 10"	27' 1"	23' 8"	24' 2"	21' 11"	19' 2"	27' 1"	24' 8"	21' 6" i
800S350-54	50	21' 11"	19' 10"	17' 3"	24' 5" i	22' 1" i	17' 9" i	19' 11"	18' 1" i	15' 9"	22' 4" i	20' 3" i	17' 7" i
800S350-68	50	23' 7"	21' 5"	18' 9"	26' 6"	24' 1" i	21' 0" i	21' 5"	19' 6"	17' 0"	24' 1"	21' 11"	19' 1" i
800S350-97	50	26' 4"	23' 11"	20' 11"	29' 7"	26' 11"	23' 6"	23' 11"	21' 9"	19' 0"	26' 11"	24' 5"	21' 4" i
800S350-118	50	28' 0"	25' 5"	22' 2"	31' 5"	28' 6"	24' 11"	25' 5"	23' 1"	20' 2"	28' 6"	25' 11"	22' 8" i
1000S162-43	33	15' 10" e	13' 8" e	11' 2" e	15' 10" a	13' 4" a	9' 11" a	15' 10" e	13' 8" e	11' 2" e	15' 10" a	13' 4" a	9' 11" a
1000S162-54	33	18' 7" e	16' 1" e	13' 2" e	18' 7" i	16' 1" i	13' 2" a	18' 6" e	16' 1" e	13' 2" e	18' 7" i	16' 1" i	13' 2" a
1000S162-54	50	20' 4"	18' 4"	15' 0" e	21' 2" i	18' 4" i	15' 0" i	18' 6"	16' 10"	14' 7" e	20' 8" i	18' 4" i	15' 0" i
1000S162-68	33	21' 10"	18' 11"	15' 5" e	21' 10" i	18' 11" i	15' 5" i	20' 1"	18' 3"	15' 5" e	21' 10" i	18' 11" i	15' 5" i
1000S162-68	50	22' 1"	20' 0"	17' 5"	24' 8" i	21' 8" i	17' 8" i	20' 1"	18' 3"	15' 11"	22' 6" i	20' 5" i	17' 8" i
1000S162-97	33	24' 7"	22' 4"	19' 4"	27' 4" i	23' 8" i	19' 4" i	22' 4"	20' 3"	17' 9"	25' 1" i	22' 9" i	19' 4" i
1000S162-97	50	24' 7"	22' 4"	19' 6"	27' 7"	25' 1"	21' 11" i	22' 4"	20' 3"	17' 9"	25' 1"	22' 9"	19' 11" i
1000S162-118	50	28' 0"	25' 6"	22' 3"	31' 6"	28' 7"	25' 0"	25' 6"	23' 2"	20' 3"	28' 7"	26' 0"	22' 8" i
1000S200-43	33	17' 1" e	14' 9" e	12' 1" e	17' 0" a	13' 10" a	10' 2" a	17' 1" e	14' 9" e	12' 1" e	17' 0" a	13' 10" a	10' 2" a
1000S200-54	33	20' 0" e	17' 3" e	14' 1" e	20' 0" i	17' 3" i	14' 1" a	19' 4" e	17' 3" e	14' 1" e	20' 0" i	17' 3" i	14' 1" a
1000S200-54	50	21' 3"	19' 3"	16' 1" e	22' 9" i	19' 9" i	16' 1" i	19' 4"	17' 7"	15' 3" e	21' 8" i	19' 7" i	16' 1" i
1000S200-68	33	23' 0"	20' 3"	16' 6" e	23' 4" i	20' 3" i	16' 6" i	20' 11"	19' 0"	16' 6" e	23' 4" i	20' 3" i	16' 6" i
1000S200-68	50	23' 0"	20' 11"	18' 3"	25' 9" i	23' 2" i	18' 11" i	20' 11"	19' 0"	16' 7" i	23' 6" i	21' 4" i	18' 7" i
1000S200-97	33	25' 8"	23' 4"	20' 4"	28' 10" i	25' 3" i	20' 7" i	23' 4"	21' 2"	18' 6"	26' 2" i	23' 9" i	20' 7" i
1000S200-97	50	25' 8"	23' 4"	20' 4"	28' 10"	26' 2"	22' 10" i	23' 4"	21' 2"	18' 6"	26' 2"	23' 9"	20' 9" i
1000S200-118	50	29' 4"	26' 8"	23' 3"	32' 11"	29' 11"	26' 1"	26' 8"	24' 2"	21' 2"	29' 11"	27' 2"	23' 9" i
1000S250-43	33	17' 6" e	15' 2" e	12' 5" e	17' 6" a	14' 2" a	10' 5" a	17' 6" e	15' 2" e	12' 5" e	17' 6" a	14' 2" a	10' 5" a
1000S250-54	33	20' 7" e	17' 10" e	14' 6" e	20' 7" i	17' 10" i	14' 6" a	20' 3" e	17' 10" e	14' 6" e	20' 7" i	17' 10" i	14' 6" a
1000S250-54	50	22' 4"	20' 3"	16' 6" e	23' 4" i	20' 3" i	16' 6" i	20' 3"	18' 5"	16' 1" e	22' 9" i	20' 3" i	16' 6" i
1000S250-68	33	24' 0"	21' 6" e	17' 7" e	24' 10" i	21' 6" i	17' 7" i	21' 9"	19' 9"	17' 3" e	24' 5" i	21' 6" i	17' 7" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 40 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S250-68	50	24' 0"	21' 9"	19' 0"	26' 11" i	23' 10" i	19' 5" i	21' 9"	19' 9"	17' 3"	24' 5" i	22' 3" i	19' 5" i
1000S250-97	33	26' 9"	24' 3"	21' 2"	30' 0" i	27' 3" i	22' 7" i	24' 3"	22' 1"	19' 3"	27' 3"	24' 9" i	21' 8" i
1000S250-97	50	26' 9"	24' 3"	21' 2"	30' 0"	27' 3"	23' 10" i	24' 3"	22' 1"	19' 3"	27' 3"	24' 9"	21' 8"
1000S250-118	50	30' 7"	27' 9"	24' 3"	34' 4"	31' 2"	27' 3"	27' 9"	25' 3"	22' 0"	31' 2"	28' 4"	24' 9"
1000S300-54	50	23' 0"	20' 7"	16' 9" e	23' 9" i	20' 7" i	16' 9" i	21' 0"	19' 0"	16' 7" e	23' 5" i	20' 7" i	16' 9" i
1000S300-68	50	24' 10"	22' 7"	19' 7"	27' 9" i	24' 3" i	19' 9" i	22' 7"	20' 6"	17' 11"	25' 4" i	23' 0" i	19' 9" i
1000S300-97	50	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8" i	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5" i
1000S300-118	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3"	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8"
1000S350-54	50	26' 0"	23' 7"	20' 6" e	28' 1" i	23' 8" i	18' 4" i	23' 8"	21' 6"	18' 9" e	26' 6" i	23' 8" i	18' 4" i
1000S350-68	50	28' 1"	25' 6"	22' 3"	31' 6" i	28' 7" i	24' 0" i	25' 6"	23' 2"	20' 3"	28' 7"	26' 0" i	22' 9" i
1000S350-97	50	31' 4"	28' 6"	24' 10"	35' 2"	32' 0"	27' 11" i	28' 6"	25' 10"	22' 7"	32' 0"	29' 0"	25' 4"
1000S350-118	50	33' 4"	30' 3"	26' 5"	37' 5"	34' 0"	29' 8"	30' 3"	27' 6"	24' 0"	34' 0"	30' 10"	26' 11"
1200S162-54	33	20' 1" e	17' 5" e	14' 3" e	20' 1" a	17' 5" a	14' 3" a	20' 1" e	17' 5" e	14' 3" e	20' 1" a	17' 5" a	14' 3" a
1200S162-54	50	22' 10" e	19' 9" e	16' 1" e	22' 10" a	19' 9" a	15' 6" a	21' 4" e	19' 4" e	16' 1" e	22' 10" a	19' 9" a	15' 6" a
1200S162-68	33	23' 10"	20' 7" e	16' 10" e	23' 10" i	20' 7" i	16' 10" i	23' 3"	20' 7" e	16' 10" e	23' 10" i	20' 7" i	16' 10" i
1200S162-68	50	25' 6"	23' 1"	19' 2"	27' 1" i	23' 6" i	19' 2" i	23' 3"	21' 1"	18' 4"	25' 11" i	23' 6" i	19' 2" i
1200S162-97	33	28' 8"	26' 1"	21' 7"	30' 6" i	26' 5" i	21' 7" i	26' 1"	23' 8"	20' 8"	29' 3" i	26' 5" i	21' 7" i
1200S162-97	50	28' 8"	26' 1"	22' 9"	32' 2"	29' 3" i	24' 10" i	26' 1"	23' 8"	20' 8"	29' 3"	26' 7"	23' 3" i
1200S162-118	50	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2"	29' 9"	27' 0"	23' 7"	33' 5"	30' 4"	26' 6"
1200S200-54	33	21' 9" e	18' 10" e	15' 4" e	21' 9" a	18' 10" a	14' 10" a	21' 9" e	18' 10" e	15' 4" e	21' 9" a	18' 10" a	14' 10" a
1200S200-54	50	24' 4" e	21' 4" e	17' 5" e	24' 8" a	21' 4" a	15' 10" a	22' 3" e	20' 2" e	17' 5" e	24' 8" a	21' 4" a	15' 10" a
1200S200-68	33	25' 7"	22' 2" e	18' 1" e	25' 7" i	22' 2" i	18' 1" i	24' 2"	21' 11" e	18' 1" e	25' 7" i	22' 2" i	18' 1" i
1200S200-68	50	26' 6"	24' 1"	20' 7" e	29' 2" i	25' 3" i	20' 7" i	24' 2"	21' 11"	19' 1"	27' 1" i	24' 6" i	20' 7" i
1200S200-97	33	29' 10"	27' 1"	23' 0"	32' 7" i	28' 2" i	23' 0" i	27' 1"	24' 8"	21' 6"	30' 5" i	27' 8" i	23' 0" i
1200S200-97	50	29' 10"	27' 1"	23' 8"	33' 6"	30' 5" i	26' 7" i	27' 1"	24' 8"	21' 6"	30' 5"	27' 8"	24' 2" i
1200S200-118	50	34' 1"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5"	31' 0"	28' 2"	24' 7"	34' 10"	31' 7"	27' 7"
1200S250-54	33	22' 6" e	19' 5" e	15' 11" e	22' 6" a	19' 5" a	14' 11" a	22' 6" e	19' 5" e	15' 11" e	22' 6" a	19' 5" a	14' 11" a
1200S250-54	50	25' 4" e	22' 1" e	18' 0" e	25' 6" a	21' 6" a	16' 0" a	23' 1" e	21' 0" e	18' 0" e	25' 6" a	21' 6" a	16' 0" a
1200S250-68	33	26' 5"	22' 11" e	18' 8" e	26' 5" i	22' 11" i	18' 8" a	25' 2"	22' 10" e	18' 8" e	26' 5" i	22' 11" i	18' 8" a
1200S250-68	50	27' 7"	25' 0"	21' 3" e	30' 1" i	26' 1" i	21' 3" i	25' 2"	22' 10"	19' 10"	28' 1" i	25' 6" i	21' 3" i
1200S250-97	33	31' 0"	28' 2"	23' 10"	33' 9" i	29' 3" i	23' 10" i	28' 2"	25' 7"	22' 4"	31' 7" i	28' 9" i	23' 10" i
1200S250-97	50	31' 0"	28' 2"	24' 7"	34' 9"	31' 7" i	27' 5" i	28' 2"	25' 7"	22' 4"	31' 7"	28' 9"	25' 1" i
1200S250-118	50	35' 5"	32' 2"	28' 2"	39' 9"	36' 2"	31' 7"	32' 2"	29' 3"	25' 7"	36' 2"	32' 10"	28' 8"
1200S300-54	50	26' 0" e	22' 6" e	18' 4" e	26' 0" a	21' 10" a	16' 3" a	24' 3" e	21' 11" e	18' 4" e	26' 0" a	21' 10" a	16' 3" a
1200S300-68	50	28' 8"	26' 0"	21' 8" e	30' 8" i	26' 7" i	21' 8" i	26' 1"	23' 8"	20' 8" e	29' 3" i	26' 6" i	21' 8" i
1200S300-97	50	32' 0"	29' 1"	25' 5"	36' 0"	32' 8" i	28' 0" i	29' 1"	26' 5"	23' 1"	32' 8"	29' 8"	25' 11" i
1200S300-118	50	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"	33' 4"	30' 3"	26' 5"	37' 5"	34' 0"	29' 8"
1200S350-54	50	29' 11" e	27' 2" e	22' 6" e	29' 0" a	24' 0" a	17' 11" a	27' 4" e	24' 9" e	21' 7" e	29' 0" a	24' 0" a	17' 11" a
1200S350-68	50	32' 4"	29' 5"	25' 8" e	36' 4" i	32' 5" i	25' 8" i	29' 5"	26' 8"	23' 4"	33' 0" i	30' 0" i	25' 8" i
1200S350-97	50	36' 2"	32' 10"	28' 8"	40' 7"	36' 11"	32' 3" i	32' 10"	29' 10"	26' 1"	36' 11"	33' 6"	29' 3" i
1200S350-118	50	38' 5"	34' 11"	30' 6"	43' 2"	39' 3"	34' 3"	34' 11"	31' 9"	27' 9"	39' 3"	35' 8"	31' 1"
1400S162-54	33	21' 4" e	18' 5" e	15' 1" e	21' 4" a	18' 5" a	13' 10" a	21' 4" e	18' 5" e	15' 1" e	21' 4" a	18' 5" a	13' 10" a
1400S162-54	50	24' 1" e	20' 10" e	17' 0" e	24' 1" a	20' 3" a	14' 10" a	24' 0" e	20' 10" e	17' 0" e	24' 1" a	20' 3" a	14' 10" a
1400S162-68	33	25' 5"	22' 0" e	17' 11" e	25' 5" i	22' 0" i	17' 11" a	25' 5"	22' 0" e	17' 11" e	25' 5" i	22' 0" i	17' 11" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 40 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S162-68	50	28' 8"	24' 11"	20' 4" e	28' 9" i	24' 11" i	20' 4" i	26' 3"	23' 9"	20' 4" e	28' 9" i	24' 11" i	20' 4" i
1400S162-97	33	32' 9"	28' 6"	23' 4"	32' 11" i	28' 6" i	23' 4" i	29' 9"	27' 0"	23' 4"	32' 11" i	28' 6" i	23' 4" i
1400S162-97	50	32' 9"	29' 8"	25' 10"	36' 7" i	32' 8" i	26' 8" i	29' 9"	27' 0"	23' 7"	33' 4"	30' 3" i	26' 4" i
1400S162-118	50	37' 5"	34' 0"	29' 8"	42' 0"	38' 2"	33' 4" i	34' 0"	30' 11"	27' 0"	38' 2"	34' 8"	30' 3" i
1400S200-54	33	23' 2" e	20' 0" e	16' 4" e	23' 2" a	19' 4" a	14' 3" a	23' 2" e	20' 0" e	16' 4" e	23' 2" a	19' 4" a	14' 3" a
1400S200-54	50	26' 2" e	22' 8" e	18' 6" e	25' 7" a	20' 8" a	15' 1" a	25' 0" e	22' 8" e	18' 6" e	25' 7" a	20' 8" a	15' 1" a
1400S200-68	33	27' 5" e	23' 9" e	19' 4" e	27' 5" i	23' 9" i	19' 4" a	27' 3" e	23' 9" e	19' 4" e	27' 5" i	23' 9" i	19' 4" a
1400S200-68	50	29' 11"	26' 11"	22' 0" e	31' 1" i	26' 11" i	22' 0" i	27' 3"	24' 9"	21' 6" e	30' 5" i	26' 11" i	22' 0" i
1400S200-97	33	34' 0"	30' 6"	24' 11"	35' 3" i	30' 6" i	24' 11" i	30' 10"	28' 1"	24' 6"	34' 8" i	30' 6" i	24' 11" i
1400S200-97	50	34' 0"	30' 10"	26' 10"	38' 0" i	34' 6" i	28' 7" i	30' 10"	28' 1"	24' 6"	34' 8"	31' 5" i	27' 5" i
1400S200-118	50	38' 10"	35' 4"	30' 10"	43' 8"	39' 8"	34' 8" i	35' 4"	32' 1"	28' 0"	39' 8"	36' 0"	31' 6" i
1400S250-54	33	24' 1" e	20' 10" e	17' 0" e	24' 0" a	19' 6" a	14' 4" a	24' 1" e	20' 10" e	17' 0" e	24' 0" a	19' 6" a	14' 4" a
1400S250-54	50	27' 2" e	23' 7" e	19' 3" e	25' 10" a	20' 10" a	15' 3" a	25' 11" e	23' 6" e	19' 3" e	25' 10" a	20' 10" a	15' 3" a
1400S250-68	33	28' 5" e	24' 8" e	20' 1" e	28' 5" i	24' 8" i	20' 1" a	28' 4" e	24' 8" e	20' 1" e	28' 5" i	24' 8" i	20' 1" a
1400S250-68	50	31' 0"	27' 11"	22' 10" e	32' 3" i	27' 11" i	22' 10" i	28' 4"	25' 8"	22' 4" e	31' 7" i	27' 11" i	22' 10" i
1400S250-97	33	35' 2"	31' 8"	25' 11" e	36' 7" i	31' 8" i	25' 11" i	31' 11"	29' 0"	25' 4" e	35' 11" i	31' 8" i	25' 11" i
1400S250-97	50	35' 2"	31' 11"	27' 10"	39' 5" i	35' 9" i	29' 7" i	31' 11"	29' 0"	25' 4"	35' 11"	32' 7" i	28' 5" i
1400S250-118	50	40' 3"	36' 7"	31' 11"	45' 2"	41' 1"	35' 10" i	36' 7"	33' 3"	29' 0"	41' 1"	37' 4"	32' 7" i
1400S300-54	50	27' 10" e	24' 1" e	19' 7" e	26' 0" a	20' 11" a	15' 3" a	26' 9" e	24' 1" e	19' 7" e	26' 0" a	20' 11" a	15' 3" a
1400S300-68	50	32' 0"	28' 7"	23' 4" e	33' 0" i	28' 7" i	23' 4" i	29' 3"	26' 6"	23' 0" e	32' 7" i	28' 7" i	23' 4" i
1400S300-97	50	36' 3"	33' 0"	28' 9"	40' 8" i	36' 11" i	30' 4" i	33' 0"	29' 11"	26' 2"	37' 0"	33' 8" i	29' 4" i
1400S300-118	50	41' 7"	37' 9"	33' 0"	46' 8"	42' 5"	37' 0" i	37' 9"	34' 4"	30' 0"	42' 5"	38' 6"	33' 8" i
1400S350-54	50	33' 8" e	29' 8" e	23' 6" e	28' 10" a	23' 4" a	16' 11" a	30' 10" e	28' 0" e	23' 6" e	28' 10" a	23' 4" a	16' 11" a
1400S350-68	50	36' 7"	33' 3"	28' 7" e	39' 11" i	33' 8" i	26' 1" i	33' 3"	30' 2"	26' 4" e	37' 3" i	33' 8" i	26' 1" i
1400S350-97	50	40' 11"	37' 2"	32' 5"	45' 11"	41' 8" i	36' 5" i	37' 2"	33' 9"	29' 6"	41' 8"	37' 11"	33' 1" i
1400S350-118	50	43' 6"	39' 6"	34' 6"	48' 10"	44' 4"	38' 9" i	39' 6"	35' 11"	31' 4"	44' 4"	40' 4"	35' 2" i
1600S200-68	50	35' 8" e	31' 0" e	25' 4" e	35' 10" a	30' 10" a	23' 8" a	32' 7" e	29' 6" e	25' 4" e	35' 10" a	30' 10" a	23' 8" a
1600S200-97	50	40' 10"	37' 0"	32' 2"	45' 7" i	40' 7" i	33' 2" i	37' 3"	33' 9"	29' 5"	41' 7"	37' 8" i	32' 10" i
1600S200-118	50	43' 7"	39' 7"	34' 7"	48' 11"	44' 4"	38' 6" i	39' 7"	35' 11"	31' 5"	44' 5"	40' 4"	35' 3" i
1600S250-68	50	37' 0" e	32' 4" e	26' 5" e	36' 10" a	30' 11" a	23' 9" a	33' 9" e	30' 7" e	26' 5" e	36' 10" a	30' 11" a	23' 9" a
1600S250-97	50	42' 2"	38' 3"	33' 4"	47' 2" i	42' 3" i	34' 6" i	38' 6"	34' 11"	30' 5"	43' 0"	39' 0" i	34' 0" i
1600S250-118	50	45' 0"	40' 11"	35' 9"	50' 6"	45' 11"	40' 0" i	40' 11"	37' 2"	32' 5"	45' 11"	41' 9"	36' 5" i
1600S300-68	50	38' 1" e	33' 3" e	27' 2" e	37' 3" a	31' 3" a	24' 0" a	34' 10" e	31' 7" e	27' 2" e	37' 3" a	31' 3" a	24' 0" a
1600S300-97	50	43' 6"	39' 5"	34' 4"	48' 7" i	43' 5" i	35' 5" i	39' 7"	36' 0"	31' 4"	44' 4"	40' 3" i	35' 0" i
1600S300-118	50	46' 4"	42' 2"	36' 10"	52' 1"	47' 4"	41' 1" i	42' 2"	38' 3"	33' 5"	47' 4"	43' 0"	37' 7" i
1600S350-68	50	40' 0" e	36' 3" e	30' 5" e	40' 5" a	33' 8" a	25' 7" a	36' 6" e	33' 1" e	28' 10" e	40' 5" a	33' 8" a	25' 7" a
1600S350-97	50	45' 5"	41' 3"	35' 11"	50' 10" i	46' 1" i	39' 1" i	41' 4"	37' 7"	32' 9"	46' 4"	42' 0" i	36' 8" i
1600S350-118	50	48' 5"	44' 0"	38' 5"	54' 4"	49' 5"	43' 1" i	44' 0"	40' 0"	34' 11"	49' 5"	44' 11"	39' 2" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 50 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
600S162-33	33	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 1" a
600S162-43	33	12' 8"	11' 0" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a	11' 6"	10' 5" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a
600S162-54	33	13' 7"	12' 4"	10' 6" e	14' 10" i	12' 10" i	10' 6" i	12' 4"	11' 2"	9' 9"	13' 10" i	12' 7" i	10' 6" i
600S162-54	50	13' 7"	12' 4"	10' 9"	15' 3"	13' 10" i	12' 0" i	12' 4"	11' 2"	9' 9"	13' 10"	12' 7" i	11' 0" i
600S162-68	33	14' 7"	13' 3"	11' 7"	16' 4" i	14' 10" i	12' 2" i	13' 3"	12' 0"	10' 6"	14' 10" i	13' 6" i	11' 9" i
600S162-68	50	14' 7"	13' 3"	11' 7"	16' 4"	14' 10"	13' 0" i	13' 3"	12' 0"	10' 6"	14' 10"	13' 6"	11' 9"
600S162-97	33	16' 2"	14' 8"	12' 10"	18' 1"	16' 5"	14' 4" i	14' 8"	13' 4"	11' 8"	16' 5"	14' 11"	13' 1" i
600S162-97	50	16' 2"	14' 8"	12' 10"	18' 1"	16' 5"	14' 4"	14' 8"	13' 4"	11' 8"	16' 5"	14' 11"	13' 1" i
600S162-118	50	17' 0"	15' 6"	13' 6"	19' 1"	17' 4"	15' 2"	15' 6"	14' 1"	12' 3"	17' 4"	15' 9"	13' 9"
600S200-33	33	10' 11" e	9' 6" e	7' 9" e	10' 11" a	9' 6" a	7' 2" a	10' 11" e	9' 6" e	7' 9" e	10' 11" a	9' 6" a	7' 2" a
600S200-43	33	13' 1"	11' 4" e	9' 3" e	13' 1" i	11' 4" i	9' 3" a	12' 1"	11' 0" e	9' 3" e	13' 1" i	11' 4" i	9' 3" a
600S200-54	33	14' 3"	13' 0"	11' 1" e	15' 8" i	13' 7" i	11' 1" i	13' 0"	11' 9"	10' 3" e	14' 7" i	13' 3" i	11' 1" i
600S200-54	50	14' 3"	13' 0"	11' 4"	16' 0" i	14' 7" i	12' 4" i	13' 0"	11' 9"	10' 3"	14' 7"	13' 3" i	11' 7" i
600S200-68	33	15' 4"	13' 11"	12' 2"	17' 2" i	15' 7" i	12' 11" i	13' 11"	12' 8"	11' 0"	15' 7" i	14' 2" i	12' 5" i
600S200-68	50	15' 4"	13' 11"	12' 2"	17' 2"	15' 7"	13' 8" i	13' 11"	12' 8"	11' 0"	15' 7"	14' 2" i	12' 5" i
600S200-97	33	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	15' 2" i	15' 5"	14' 0"	12' 3"	17' 4"	15' 9"	13' 9" i
600S200-97	50	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	15' 2"	15' 5"	14' 0"	12' 3"	17' 4"	15' 9"	13' 9" i
600S200-118	50	18' 0"	16' 4"	14' 3"	20' 2"	18' 4"	16' 0"	16' 4"	14' 10"	13' 0"	18' 4"	16' 8"	14' 7" i
600S250-43	33	13' 5" e	11' 7" e	9' 6" e	13' 5" i	11' 7" i	9' 6" a	12' 8"	11' 6" e	9' 6" e	13' 5" i	11' 7" i	9' 6" a
600S250-54	33	14' 11"	13' 6"	11' 0" e	15' 7" i	13' 6" i	11' 0" i	13' 7"	12' 4"	10' 9" e	15' 3" i	13' 6" i	11' 0" i
600S250-54	50	14' 11"	13' 7"	11' 10"	16' 9" i	15' 3" i	12' 8" i	13' 7"	12' 4"	10' 9"	15' 3"	13' 10" i	12' 1" i
600S250-68	33	16' 1"	14' 7"	12' 9"	18' 0" i	16' 2" i	13' 3" i	14' 7"	13' 3"	11' 7"	16' 4" i	14' 10" i	13' 0" i
600S250-68	50	16' 1"	14' 7"	12' 9"	18' 0"	16' 4" i	14' 4" i	14' 7"	13' 3"	11' 7"	16' 4"	14' 10" i	13' 0" i
600S250-97	33	17' 10"	16' 3"	14' 2"	20' 0"	18' 2"	15' 11" i	16' 3"	14' 9"	12' 10"	18' 2"	16' 6"	14' 5" i
600S250-97	50	17' 10"	16' 3"	14' 2"	20' 0"	18' 2"	15' 11"	16' 3"	14' 9"	12' 10"	18' 2"	16' 6"	14' 5" i
600S250-118	50	18' 11"	17' 2"	15' 0"	21' 3"	19' 3"	16' 10"	17' 2"	15' 7"	13' 7"	19' 3"	17' 6"	15' 4" i
600S300-54	50	15' 7"	14' 1"	12' 3"	17' 3" i	15' 7" i	12' 10" i	14' 2"	12' 10"	11' 2"	15' 10" i	14' 4" i	12' 5" i
600S300-68	50	16' 9"	15' 2"	13' 3"	18' 9"	17' 0" i	14' 10" i	15' 2"	13' 10"	12' 1" i	17' 1"	15' 6"	13' 6" i
600S300-97	50	18' 7"	16' 11"	14' 9"	20' 11"	19' 0"	16' 7"	16' 11"	15' 4"	13' 5"	19' 0"	17' 3"	15' 1" i
600S300-118	50	19' 9"	17' 11"	15' 8"	22' 2"	20' 2"	17' 7"	17' 11"	16' 3"	14' 3" i	20' 2"	18' 3"	16' 0" i
600S350-54	50	16' 4"	14' 10"	12' 11"	18' 3" i	16' 6" i	13' 9" i	14' 11"	13' 6"	11' 9"	16' 8" i	15' 1" i	13' 1" i
600S350-68	50	17' 7"	16' 0"	14' 0"	19' 9"	17' 11" i	15' 8" i	16' 0"	14' 6"	12' 8"	17' 11"	16' 4"	14' 3" i
600S350-97	50	19' 7"	17' 10"	15' 7"	22' 0"	20' 0"	17' 6"	17' 10"	16' 2"	14' 2" i	20' 0"	18' 2"	15' 11" i
600S350-118	50	20' 10"	18' 11"	16' 6"	23' 4"	21' 3"	18' 6"	18' 11"	17' 2"	15' 0"	21' 3"	19' 3"	16' 10" i
800S162-33	33	11' 10" e	10' 3" e	7' 11" e	10' 9" a	8' 8" a	6' 3" a	11' 10" e	10' 3" e	7' 11" e	10' 9" a	8' 8" a	6' 3" a
800S162-43	33	14' 3" e	12' 4" e	10' 1" e	14' 3" i	12' 4" i	10' 1" a	14' 3" e	12' 4" e	10' 1" e	14' 3" i	12' 4" i	10' 1" a
800S162-54	33	16' 8"	14' 5" e	11' 9" e	16' 8" i	14' 5" i	11' 9" i	15' 7"	14' 1" i	11' 9" e	16' 8" i	14' 5" i	11' 9" i
800S162-54	50	17' 1"	15' 6"	13' 6"	19' 1" i	16' 6" i	13' 6" i	15' 7"	14' 1" i	12' 4" i	17' 5" i	15' 10" i	13' 6" i
800S162-68	33	18' 4"	16' 8"	13' 9"	19' 5" i	16' 10" i	13' 9" i	16' 8"	15' 2"	13' 3"	18' 9" i	16' 10" i	13' 9" i
800S162-68	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9" i	15' 10" i	16' 8"	15' 2"	13' 3"	18' 9"	17' 0" 14"	10" i
800S162-97	33	20' 5"	18' 6"	16' 2"	22' 11"	20' 10" i	18' 0" i	18' 6"	16' 10"	14' 9"	20' 10"	18' 11"	16' 6" i
800S162-97	50	20' 5"	18' 6"	16' 2"	22' 11"	20' 10"	18' 2" i	18' 6"	16' 10"	14' 9"	20' 10"	18' 11"	16' 6" i
800S162-118	50	21' 7"	19' 7"	17' 2"	24' 3"	22' 0"	19' 3"	19' 7"	17' 10"	15' 7"	22' 0"	20' 0"	17' 6" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 50 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
800S200-33	33	12' 8" e	11' 0" e	7' 11" e	11' 2" a	8' 11" a	6' 4" a	12' 8" e	11' 0" e	7' 11" e	11' 2" a	8' 11" a	6' 4" a
800S200-43	33	15' 3" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a	15' 2" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a
800S200-54	33	17' 11"	15' 11" e	13' 0" e	18' 4" i	15' 11" i	13' 0" a	16' 3"	14' 9" e	12' 11" e	18' 3" i	15' 11" i	13' 0" a
800S200-54	50	17' 11"	16' 3"	14' 3"	20' 1" i	17' 8" i	14' 5" i	16' 3"	14' 9"	12' 11"	18' 3" i	16' 7" i	14' 5" i
800S200-68	33	19' 3"	17' 6"	15' 3" e	21' 7" i	18' 8" i	15' 3" i	17' 6"	15' 11"	13' 10"	19' 7" i	17' 10" i	15' 3" i
800S200-68	50	19' 3"	17' 6"	15' 3"	21' 7"	19' 7" i	17' 2" i	17' 6"	15' 11"	13' 10"	19' 7"	17' 10"	15' 7" i
800S200-97	33	21' 5"	19' 5"	17' 0"	24' 0"	21' 10" i	19' 0" i	19' 5"	17' 8"	15' 5"	21' 10"	19' 10"	17' 4" i
800S200-97	50	21' 5"	19' 5"	17' 0"	24' 0"	21' 10"	19' 1" i	19' 5"	17' 8"	15' 5"	21' 10"	19' 10"	17' 4" i
800S200-118	50	22' 8"	20' 7"	18' 0"	25' 5"	23' 1"	20' 2" i	20' 7"	18' 8"	16' 4"	23' 1"	21' 0"	18' 4" i
800S250-43	33	15' 8" e	13' 7" e	11' 1" e	15' 8" i	13' 7" a	11' 1" a	15' 8" e	13' 7" e	11' 1" e	15' 8" i	13' 7" a	11' 1" a
800S250-54	33	18' 3"	15' 10" e	12' 11" e	18' 3" i	15' 10" i	12' 11" a	17' 0"	15' 5" e	12' 11" e	18' 3" i	15' 10" i	12' 11" a
800S250-54	50	18' 8"	17' 0"	14' 9" e	20' 10" i	18' 1" i	14' 9" i	17' 0"	15' 5"	13' 6"	19' 1" i	17' 4" i	14' 9" i
800S250-68	33	20' 1"	18' 3"	15' 7" e	22' 0" i	19' 1" i	15' 7" i	18' 3"	16' 7"	14' 6"	20' 6" i	18' 7" i	15' 7" i
800S250-68	50	20' 1"	18' 3"	15' 11"	22' 7" i	20' 6" i	17' 3" i	18' 3"	16' 7"	14' 6"	20' 6"	18' 7" i	16' 3" i
800S250-97	33	22' 4"	20' 4"	17' 9"	25' 1"	22' 10" i	19' 10" i	20' 4"	18' 5"	16' 1"	22' 10"	20' 9"	18' 1" i
800S250-97	50	22' 4"	20' 4"	17' 9"	25' 1"	22' 10"	19' 11" i	20' 4"	18' 5"	16' 1"	22' 10"	20' 9"	18' 1" i
800S250-118	50	23' 8"	21' 6"	18' 10"	26' 7"	24' 2"	21' 2" i	21' 6"	19' 7"	17' 1"	24' 2"	22' 0"	19' 2" i
800S300-54	50	19' 4"	17' 6"	14' 11" e	21' 2" i	18' 4" i	14' 11" i	17' 8"	16' 0"	13' 11"	19' 9" i	17' 10" i	14' 11" i
800S300-68	50	20' 10"	18' 11"	16' 6"	23' 4" i	21' 2" i	17' 7" i	18' 11"	17' 3"	15' 0"	21' 3"	19' 4" i	16' 10" i
800S300-97	50	23' 3"	21' 1"	18' 5"	26' 1"	23' 9"	20' 9" i	21' 1"	19' 2"	16' 9"	23' 9"	21' 7"	18' 10" i
800S300-118	50	24' 8"	22' 5"	19' 7"	27' 8"	25' 2"	22' 0" i	22' 5"	20' 4"	17' 9"	25' 2"	22' 10"	20' 0" i
800S350-54	50	20' 4"	18' 5"	16' 0" e	22' 8" i	20' 2" i	16' 0" i	18' 6"	16' 10"	14' 8" e	20' 8" i	18' 9" i	16' 0" i
800S350-68	50	21' 11"	19' 11"	17' 5"	24' 7" i	22' 4" i	19' 5" i	19' 11"	18' 1"	15' 10"	22' 4"	20' 4" i	17' 9" i
800S350-97	50	24' 5"	22' 3"	19' 5"	27' 6"	24' 11"	21' 10" i	22' 3"	20' 2"	17' 8"	24' 11"	22' 8"	19' 10" i
800S350-118	50	26' 0"	23' 7"	20' 7"	29' 2"	26' 6"	23' 2" i	23' 7"	21' 5"	18' 9"	26' 6"	24' 1"	21' 0" i
1000S162-43	33	15' 10" e	13' 8" e	11' 2" e	15' 10" a	13' 4" a	9' 11" a	15' 10" e	13' 8" e	11' 2" e	15' 10" a	13' 4" a	9' 11" a
1000S162-54	33	18' 7" e	16' 1" e	13' 2" e	18' 7" i	16' 1" i	13' 2" a	18' 6" e	16' 1" e	13' 2" e	18' 7" i	16' 1" i	13' 2" a
1000S162-54	50	20' 4"	18' 4"	15' 0" e	21' 2" i	18' 4" i	15' 0" i	18' 6"	16' 10"	14' 7" e	20' 8" i	18' 4" i	15' 0" i
1000S162-68	33	21' 10"	18' 11"	15' 5" e	21' 10" i	18' 11" i	15' 5" i	20' 1"	18' 3"	15' 5" e	21' 10" i	18' 11" i	15' 5" i
1000S162-68	50	22' 1"	20' 0"	17' 5"	24' 8" i	21' 8" i	17' 8" i	20' 1"	18' 3"	15' 11"	22' 6" i	20' 5" i	17' 8" i
1000S162-97	33	24' 7"	22' 4"	19' 4"	27' 4" i	23' 8" i	19' 4" i	22' 4"	20' 3"	17' 9"	25' 1" i	22' 9" i	19' 4" i
1000S162-97	50	24' 7"	22' 4"	19' 6"	27' 7"	25' 1" i	21' 11" i	22' 4"	20' 3"	17' 9"	25' 1"	22' 9" i	19' 11" i
1000S162-118	50	26' 0"	23' 8"	20' 8"	29' 3"	26' 7"	23' 2" i	23' 8"	21' 6"	18' 9"	26' 7"	24' 1"	21' 1" i
1000S200-43	33	17' 1" e	14' 9" e	12' 1" e	17' 0" a	13' 10" a	10' 2" a	17' 1" e	14' 9" e	12' 1" e	17' 0" a	13' 10" a	10' 2" a
1000S200-54	33	20' 0" e	17' 3" e	14' 1" e	20' 0" i	17' 3" i	14' 1" a	19' 4" e	17' 3" e	14' 1" e	20' 0" i	17' 3" i	14' 1" a
1000S200-54	50	21' 3"	19' 3"	16' 1" e	22' 9" i	19' 9" i	16' 1" i	19' 4"	17' 7"	15' 3" e	21' 8" i	19' 7" i	16' 1" i
1000S200-68	33	23' 0"	20' 3"	16' 6" e	23' 4" i	20' 3" i	16' 6" i	20' 11"	19' 0"	16' 6" e	23' 4" i	20' 3" i	16' 6" i
1000S200-68	50	23' 0"	20' 11"	18' 3"	25' 9" i	23' 2" i	18' 11" i	20' 11"	19' 0"	16' 7"	23' 6" i	21' 4" i	18' 7" i
1000S200-97	33	25' 8"	23' 4"	20' 4"	28' 10" i	25' 3" i	20' 7" i	23' 4"	21' 2"	18' 6"	26' 2" i	23' 9" i	20' 7" i
1000S200-97	50	25' 8"	23' 4"	20' 4"	28' 10"	26' 2"	22' 10" i	23' 4"	21' 2"	18' 6"	26' 2"	23' 9" i	20' 9" i
1000S200-118	50	27' 3"	24' 9"	21' 7"	30' 7"	27' 9"	24' 3" i	24' 9"	22' 6"	19' 7"	27' 9"	25' 3" i	22' 0" i
1000S250-43	33	17' 6" e	15' 2" e	12' 5" e	17' 6" a	14' 2" a	10' 5" a	17' 6" e	15' 2" e	12' 5" e	17' 6" a	14' 2" a	10' 5" a
1000S250-54	33	20' 7" e	17' 10" e	14' 6" e	20' 7" i	17' 10" i	14' 6" a	20' 3" e	17' 10" e	14' 6" e	20' 7" i	17' 10" i	14' 6" a
1000S250-54	50	22' 4"	20' 3"	16' 6" e	23' 4" i	20' 3" i	16' 6" i	20' 3"	18' 5"	16' 1" e	22' 9" i	20' 3" i	16' 6" i
1000S250-68	33	24' 0"	21' 6" e	17' 7" e	24' 10" i	21' 6" i	17' 7" i	21' 9"	19' 9"	17' 3" e	24' 5" i	21' 6" i	17' 7" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 50 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S250-68	50	24' 0"	21' 9"	19' 0"	26' 11" i	23' 10" i	19' 5" i	21' 9"	19' 9"	17' 3"	24' 5" i	22' 3" i	19' 5" i
1000S250-97	33	26' 9"	24' 3"	21' 2"	30' 0" i	27' 3" i	22' 7" i	24' 3"	22' 1"	19' 3"	27' 3"	24' 9" i	21' 8" i
1000S250-97	50	26' 9"	24' 3"	21' 2"	30' 0"	27' 3"	23' 10" i	24' 3"	22' 1"	19' 3"	27' 3"	24' 9"	21' 8"
1000S250-118	50	28' 4"	25' 9"	22' 6"	31' 10"	28' 11"	25' 3"	25' 9"	23' 5"	20' 5"	28' 11"	26' 3"	22' 11"
1000S300-54	50	23' 0"	20' 7"	16' 9" e	23' 9" i	20' 7" i	16' 9" i	21' 0"	19' 0"	16' 7" e	23' 5" i	20' 7" i	16' 9" i
1000S300-68	50	24' 10"	22' 7"	19' 7"	27' 9" i	24' 3" i	19' 9" i	22' 7"	20' 6"	17' 11"	25' 4" i	23' 0" i	19' 9" i
1000S300-97	50	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8" i	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5" i
1000S300-118	50	29' 5"	26' 9"	23' 4"	33' 0"	30' 0"	26' 3"	26' 9"	24' 3"	21' 3"	30' 0"	27' 3"	23' 10"
1000S350-54	50	24' 1"	21' 10" e	18' 8" e	25' 3" i	21' 2" i	16' 3" i	22' 0"	19' 11"	17' 4" e	24' 7" i	21' 2" i	16' 3" i
1000S350-68	50	26' 0"	23' 8"	20' 8"	29' 3" i	26' 7" i	21' 11" i	23' 8"	21' 6"	18' 9"	26' 7" i	24' 2" i	21' 1" i
1000S350-97	50	29' 1"	26' 5"	23' 1"	32' 8"	29' 8"	25' 11" i	26' 5"	24' 0"	21' 0"	29' 8"	26' 11"	23' 7" i
1000S350-118	50	30' 11"	28' 1"	24' 6"	34' 8"	31' 6"	27' 6"	28' 1"	25' 6"	22' 3"	31' 6"	28' 8"	25' 0"
1200S162-54	33	20' 1" e	17' 5" e	14' 3" e	20' 1" a	17' 5" a	14' 3" a	20' 1" e	17' 5" e	14' 3" e	20' 1" a	17' 5" a	14' 3" a
1200S162-54	50	22' 10" e	19' 9" e	16' 1" e	22' 10" a	19' 9" a	15' 6" a	21' 4" e	19' 4" e	16' 1" e	22' 10" a	19' 9" a	15' 6" a
1200S162-68	33	23' 10"	20' 7" e	16' 10" e	23' 10" i	20' 7" i	16' 10" i	23' 3"	20' 7" e	16' 10" e	23' 10" i	20' 7" i	16' 10" i
1200S162-68	50	25' 6"	23' 1"	19' 2"	27' 1" i	23' 6" i	19' 2" i	23' 3"	21' 1"	18' 4"	25' 11" i	23' 6" i	19' 2" i
1200S162-97	33	28' 8"	26' 1"	21' 7"	30' 6" i	26' 5" i	21' 7" i	26' 1"	23' 8"	20' 8"	29' 3" i	26' 5" i	21' 7" i
1200S162-97	50	28' 8"	26' 1"	22' 9"	32' 2"	29' 3" i	24' 10" i	26' 1"	23' 8"	20' 8"	29' 3"	26' 7"	23' 3" i
1200S162-118	50	30' 5"	27' 7"	24' 2"	34' 2"	31' 0"	27' 1" i	27' 7"	25' 1"	21' 11"	31' 0"	28' 2"	24' 7"
1200S200-54	33	21' 9" e	18' 10" e	15' 4" e	21' 9" a	18' 10" a	14' 10" a	21' 9" e	18' 10" e	15' 4" e	21' 9" a	18' 10" a	14' 10" a
1200S200-54	50	24' 4" e	21' 4" e	17' 5" e	24' 8" a	21' 4" a	15' 10" a	22' 3" e	20' 2" e	17' 5" e	24' 8" a	21' 4" a	15' 10" a
1200S200-68	33	25' 7"	22' 2" e	18' 1" e	25' 7" i	22' 2" i	18' 1" i	24' 2"	21' 11" e	18' 1" e	25' 7" i	22' 2" i	18' 1" i
1200S200-68	50	26' 6"	24' 1"	20' 7" e	29' 2" i	25' 3" i	20' 7" i	24' 2"	21' 11"	19' 1"	27' 1" i	24' 6" i	20' 7" i
1200S200-97	33	29' 10"	27' 1"	23' 0"	32' 7" i	28' 2" i	23' 0" i	27' 1"	24' 8"	21' 6"	30' 5" i	27' 8" i	23' 0" i
1200S200-97	50	29' 10"	27' 1"	23' 8"	33' 6"	30' 5" i	26' 7" i	27' 1"	24' 8"	21' 6"	30' 5"	27' 8"	24' 2" i
1200S200-118	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3" i	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8"
1200S250-54	33	22' 6" e	19' 5" e	15' 11" e	22' 6" a	19' 5" a	14' 11" a	22' 6" e	19' 5" e	15' 11" e	22' 6" a	19' 5" a	14' 11" a
1200S250-54	50	25' 4" e	22' 1" e	18' 0" e	25' 6" a	21' 6" a	16' 0" a	23' 1" e	21' 0" e	18' 0" e	25' 6" a	21' 6" a	16' 0" a
1200S250-68	33	26' 5"	22' 11" e	18' 8" e	26' 5" i	22' 11" i	18' 8" a	25' 2"	22' 10" e	18' 8" e	26' 5" i	22' 11" i	18' 8" a
1200S250-68	50	27' 7"	25' 0"	21' 3" e	30' 1" i	26' 1" i	21' 3" i	25' 2"	22' 10"	19' 10"	28' 1" i	25' 6" i	21' 3" i
1200S250-97	33	31' 0"	28' 2"	23' 10"	33' 9" i	29' 3" i	23' 10" i	28' 2"	25' 7"	22' 4"	31' 7" i	28' 9" i	23' 10" i
1200S250-97	50	31' 0" 2	8' 2"	24' 7"	34' 9"	31' 7" i	27' 5" i	28' 2"	25' 7"	22' 4"	31' 7"	28' 9"	25' 1" i
1200S250-118	50	32' 11"	29' 11"	26' 1"	36' 11"	33' 7"	29' 4" i	29' 11"	27' 2"	23' 9"	33' 7"	30' 6"	26' 8"
1200S300-54	50	26' 0" e	22' 6" e	18' 4" e	26' 0" a	21' 10" a	16' 3" a	24' 3" e	21' 11" e	18' 4" e	26' 0" a	21' 10" a	16' 3" a
1200S300-68	50	28' 8"	26' 0"	21' 8" e	30' 8" i	26' 7" i	21' 8" i	26' 1"	23' 8"	20' 8" e	29' 3" i	26' 6" i	21' 8" i
1200S300-97	50	32' 0"	29' 1"	25' 5"	36' 0"	32' 8" i	28' 0" i	29' 1"	26' 5"	23' 1"	32' 8"	29' 8"	25' 11" i
1200S300-118	50	34' 0"	30' 11"	27' 0"	38' 3"	34' 9"	30' 4"	30' 11"	28' 1"	24' 7"	34' 9"	31' 7"	27' 7"
1200S350-54	50	27' 9" e	25' 2" e	20' 6" e	25' 9" a	21' 2" a	15' 7" a	25' 4" e	23' 0" e	20' 0" e	25' 9" a	21' 2" a	15' 7" a
1200S350-68	50	30' 0"	27' 3"	23' 10" e	33' 9" i	29' 4" i	23' 0" i	27' 3"	24' 10"	21' 8" e	30' 8" i	27' 10" i	23' 0" i
1200S350-97	50	33' 7"	30' 6"	26' 8"	37' 8"	34' 3" i	29' 11" i	30' 6"	27' 9"	24' 2"	34' 3"	31' 1"	27' 2" i
1200S350-118	50	35' 8"	32' 5"	28' 4"	40' 1"	36' 5"	31' 10"	32' 5"	29' 5"	25' 9"	36' 5"	33' 1"	28' 11"
1400S162-54	33	21' 4" e	18' 5" e	15' 1" e	21' 4" a	18' 5" a	13' 10" a	21' 4" e	18' 5" e	15' 1" e	21' 4" a	18' 5" a	13' 10" a
1400S162-54	50	24' 1" e	20' 10" e	17' 0" e	24' 1" a	20' 3" a	14' 10" a	24' 0" e	20' 10" e	17' 0" e	24' 1" a	20' 3" a	14' 10" a
1400S162-68	33	25' 5"	22' 0" e	17' 11" e	25' 5" i	22' 0" i	17' 11" a	25' 5"	22' 0" e	17' 11" e	25' 5" i	22' 0" i	17' 11" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 10 PSF DEAD LOAD AND 50 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S162-68	50	28' 8"	24' 11"	20' 4" e	28' 9" i	24' 11" i	20' 4" i	26' 3"	23' 9"	20' 4" e	28' 9" i	24' 11" i	20' 4" i
1400S162-97	33	32' 9"	28' 6"	23' 4"	32' 11" i	28' 6" i	23' 4" i	29' 9"	27' 0"	23' 4"	32' 11" i	28' 6" i	23' 4" i
1400S162-97	50	32' 9"	29' 8"	25' 10"	36' 7" i	32' 8" i	26' 8" i	29' 9"	27' 0"	23' 7"	33' 4"	30' 3" i	26' 4" i
1400S162-118	50	34' 9"	31' 7"	27' 7"	39' 0"	35' 5"	30' 11" i	31' 7"	28' 8"	25' 1"	35' 5"	32' 2"	28' 1" i
1400S200-54	33	23' 2" e	20' 0" e	16' 4" e	23' 2" a	19' 4" a	14' 3" a	23' 2" e	20' 0" e	16' 4" e	23' 2" a	19' 4" a	14' 3" a
1400S200-54	50	26' 2" e	22' 8" e	18' 6" e	25' 7" a	20' 8" a	15' 1" a	25' 0" e	22' 8" e	18' 6" e	25' 7" a	20' 8" a	15' 1" a
1400S200-68	33	27' 5" e	23' 9" e	19' 4" e	27' 5" i	23' 9" i	19' 4" a	27' 3" e	23' 9" e	19' 4" e	27' 5" i	23' 9" i	19' 4" a
1400S200-68	50	29' 11"	26' 11"	22' 0" e	31' 1" i	26' 11" i	22' 0" i	27' 3"	24' 9"	21' 6" e	30' 5" i	26' 11" i	22' 0" i
1400S200-97	33	34' 0"	30' 6"	24' 11"	35' 3" i	30' 6" i	24' 11" i	30' 10"	28' 1"	24' 6"	34' 8" i	30' 6" i	24' 11" i
1400S200-97	50	34' 0"	30' 10"	26' 10"	38' 0" i	34' 6" i	28' 7" i	30' 10"	28' 1"	24' 6"	34' 8"	31' 5" i	27' 5" i
1400S200-118	50	36' 1"	32' 9"	28' 8"	40' 6"	36' 10"	32' 2" i	32' 9"	29' 9"	26' 0"	36' 10"	33' 5"	29' 2" i
1400S250-54	33	24' 1" e	20' 10" e	17' 0" e	24' 0" a	19' 6" a	14' 4" a	24' 1" e	20' 10" e	17' 0" e	24' 0" a	19' 6" a	14' 4" a
1400S250-54	50	27' 2" e	23' 7" e	19' 3" e	25' 10" a	20' 10" a	15' 3" a	25' 11" e	23' 6" e	19' 3" e	25' 10" a	20' 10" a	15' 3" a
1400S250-68	33	28' 5" e	24' 8" e	20' 1" e	28' 5" i	24' 8" i	20' 1" a	28' 4" e	24' 8" e	20' 1" e	28' 5" i	24' 8" i	20' 1" a
1400S250-68	50	31' 0"	27' 11"	22' 10" e	32' 3" i	27' 11" i	22' 10" i	28' 4"	25' 8"	22' 4" e	31' 7" i	27' 11" i	22' 10" i
1400S250-97	33	35' 2"	31' 8"	25' 11" e	36' 7" i	31' 8" i	25' 11" i	31' 11"	29' 0"	25' 4" e	35' 11" i	31' 8" i	25' 11" i
1400S250-97	50	35' 2"	31' 11"	27' 10"	39' 5" i	35' 9" i	29' 7" i	31' 11"	29' 0"	25' 4"	35' 11"	32' 7" i	28' 5" i
1400S250-118	50	37' 4"	33' 11"	29' 8"	41' 11"	38' 1"	33' 4" i	33' 11"	30' 10"	26' 11"	38' 1"	34' 8"	30' 3" i
1400S300-54	50	27' 10" e	24' 1" e	19' 7" e	26' 0" a	20' 11" a	15' 3" a	26' 9" e	24' 1" e	19' 7" e	26' 0" a	20' 11" a	15' 3" a
1400S300-68	50	32' 0"	28' 7"	23' 4" e	33' 0" i	28' 7" i	23' 4" i	29' 3"	26' 6"	23' 0" e	32' 7" i	28' 7" i	23' 4" i
1400S300-97	50	36' 3"	33' 0"	28' 9"	40' 8" i	36' 11" i	30' 4" i	33' 0"	29' 11"	26' 2"	37' 0"	33' 8" i	29' 4" i
1400S300-118	50	38' 7"	35' 1"	30' 7"	43' 4"	39' 4"	34' 4" i	35' 1"	31' 10"	27' 10"	39' 4"	35' 9"	31' 3" i
1400S350-54	50	31' 2" e	27' 1" e	19' 7" e	25' 3" a	20' 3" a	14' 6" a	28' 7" e	25' 11" e	19' 7" e	25' 3" a	20' 3" a	14' 6" a
1400S350-68	50	33' 11"	30' 10" e	26' 1" e	35' 11" i	30' 1" i	23' 1" i	30' 10"	28' 0"	24' 6" e	34' 7" i	30' 1" i	23' 1" i
1400S350-97	50	37' 11"	34' 6"	30' 1"	42' 7"	38' 8" i	33' 5" i	34' 6"	31' 4"	27' 4"	38' 8"	35' 2" i	30' 9" i
1400S350-118	50	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	36' 0" i	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8" i
1600S200-68	50	32' 8" e	28' 4" e	23' 2" e	32' 8" a	27' 5" a	20' 11" a	30' 3" e	27' 5" e	23' 2" e	32' 8" a	27' 5" a	20' 11" a
1600S200-97	50	37' 10"	34' 4"	29' 10"	42' 3" i	37' 1" i	30' 3" i	34' 6"	31' 4"	27' 3"	38' 7"	35' 0" i	30' 3" i
1600S200-118	50	40' 5"	36' 9"	32' 1"	45' 5"	41' 2" i	35' 1" i	36' 9"	33' 4"	29' 2"	41' 3"	37' 6"	32' 9" i
1600S250-68	50	34' 1" e	29' 6" e	24' 1" e	33' 0" a	27' 7" a	21' 0" a	31' 4" e	28' 5" e	24' 1" e	33' 0" a	27' 7" a	21' 0" a
1600S250-97	50	39' 2"	35' 6"	30' 11"	43' 9" i	38' 7" i	31' 6" i	35' 8"	32' 5"	28' 2"	39' 11"	36' 2" i	31' 6" i
1600S250-118	50	41' 9"	37' 11"	33' 2"	46' 11"	42' 7" i	36' 6" i	37' 11"	34' 6"	30' 2"	42' 7"	38' 9"	33' 10" i
1600S300-68	50	35' 1" e	30' 4" e	24' 9" e	33' 4" a	27' 10" a	21' 2" a	32' 4" e	29' 4" e	24' 9" e	33' 4" a	27' 10" a	21' 2" a
1600S300-97	50	40' 4"	36' 7"	31' 11"	45' 1" i	39' 7" i	32' 4" i	36' 9"	33' 4"	29' 1"	41' 2"	37' 4" i	32' 4" i
1600S300-118	50	43' 1"	39' 1"	34' 2"	48' 4"	43' 11" i	37' 6" i	39' 1"	35' 6"	31' 0"	43' 11"	39' 11"	34' 10" i
1600S350-68	50	37' 1" e	33' 8" e	27' 9" e	36' 1" a	29' 10" a	22' 5" a	33' 10" e	30' 8" e	26' 9" e	36' 1" a	29' 10" a	22' 5" a
1600S350-97	50	42' 2"	38' 3"	33' 4"	47' 2" i	42' 9" i	35' 5" i	38' 5"	34' 10"	30' 5"	43' 0"	39' 0" i	34' 0" i
1600S350-118	50	44' 11"	40' 10"	35' 8"	50' 6"	45' 10" i	40' 0" i	40' 10"	37' 1"	32' 5"	45' 10"	41' 8"	36' 5" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 15 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
600S162-33	33	6' 9" e	5' 10" e	4' 7" e	6' 3" a	5' 1" a	3' 8" a	6' 9" e	5' 10" e	4' 7" e	6' 3" a	5' 1" a	3' 8" a
600S162-43	33	8' 4" e	7' 2" e	5' 10" e	8' 4" a	7' 2" a	5' 9" a	8' 4" e	7' 2" e	5' 10" e	8' 4" a	7' 2" a	5' 9" a
600S162-54	33	9' 8" e	8' 5" e	6' 10" e	9' 8" i	8' 5" i	6' 10" a	9' 1" e	8' 3" e	6' 10" e	9' 8" i	8' 5" i	6' 10" a
600S162-54	50	10' 0"	9' 1"	7' 10" e	11' 1" i	9' 7" i	7' 10" i	9' 1"	8' 3"	7' 3" e	10' 2" i	9' 3" i	7' 10" i
600S162-68	33	10' 9"	9' 9" e	8' 0" e	11' 4" i	9' 9" i	8' 0" i	9' 9"	8' 10"	7' 9" e	10' 11" i	9' 9" i	8' 0" i
600S162-68	50	10' 9"	9' 9" e	8' 6"	12' 0" i	10' 11" i	9' 3" i	9' 9"	8' 10"	7' 9" e	10' 11" i	9' 11" i	8' 8" i
600S162-97	33	11' 11"	10' 10"	9' 5"	13' 4" i	11' 8" i	9' 7" i	10' 10"	9' 10"	8' 7"	12' 1" i	11' 0" i	9' 7" i
600S162-97	50	11' 11"	10' 10"	9' 5"	13' 4"	12' 1"	10' 7" i	10' 10"	9' 10"	8' 7"	12' 1"	11' 0"	9' 7" i
600S162-118	50	12' 7"	11' 5"	10' 0"	14' 1"	12' 10"	11' 2"	11' 5"	10' 4"	9' 1"	12' 10"	11' 8"	10' 2"
600S200-33	33	7' 2" e	6' 2" e	4' 7" e	6' 5" a	5' 2" a	3' 8" a	7' 2" e	6' 2" e	4' 7" e	6' 5" a	5' 2" a	3' 8" a
600S200-43	33	8' 7" e	7' 5" e	6' 1" e	8' 7" a	7' 5" a	5' 9" a	8' 7" e	7' 5" e	6' 1" e	8' 7" a	7' 5" a	5' 9" a
600S200-54	33	10' 3" e	8' 11" e	7' 3" e	10' 3" i	8' 11" a	7' 3" a	9' 7" e	8' 8" e	7' 3" e	10' 3" i	8' 11" a	7' 3" a
600S200-54	50	10' 6"	9' 7"	8' 1" e	11' 5" i	9' 11" i	8' 1" i	9' 7" 8	' 8" 7"	7" e	10' 9" i	9' 9" i	8' 1" i
600S200-68	33	11' 3"	10' 3" e	8' 5" e	11' 11" i	10' 4" i	8' 5" i	10' 3"	9' 4"	8' 2" e	11' 6" i	10' 4" i	8' 5" i
600S200-68	50	11' 3"	10' 3"	8' 11"	12' 8" i	11' 6" i	9' 9" i	10' 3"	9' 4"	8' 2"	11' 6" i	10' 5" i	9' 2" i
600S200-97	33	12' 6"	11' 4"	9' 11"	14' 1" i	12' 6" i	10' 2" i	11' 4"	10' 4"	9' 0"	12' 9" i	11' 7" i	10' 2" i
600S200-97	50	12' 6"	11' 4"	9' 11"	14' 1"	12' 9"	11' 2" i	11' 4"	10' 4"	9' 0"	12' 9"	11' 7"	10' 2" i
600S200-118	50	13' 3"	12' 0"	10' 6"	14' 10"	13' 6"	11' 10"	12' 0"	10' 11"	9' 7"	13' 6"	12' 3"	10' 9"
600S250-43	33	8' 9" e	7' 7" e	6' 3" e	8' 9" a	7' 7" a	5' 10" a	8' 9" e	7' 7" e	6' 3" e	8' 9" a	7' 7" a	5' 10" a
600S250-54	33	10' 3" e	8' 10" e	7' 3" e	10' 3" i	8' 10" a	7' 3" a	10' 0" e	8' 10" e	7' 3" e	10' 3" i	8' 10" a	7' 3" a
600S250-54	50	11' 0"	10' 0" e	8' 3" e	11' 8" i	10' 2" i	8' 3" i	10' 0"	9' 1"	7' 11" e	11' 3" i	10' 2" i	8' 3" i
600S250-68	33	11' 10"	10' 7" e	8' 8" e	12' 3" i	10' 7" i	8' 8" a	10' 9"	9' 9" e	8' 6" e	12' 1" i	10' 7" i	8' 8" a
600S250-68	50	11' 10"	10' 9"	9' 5"	13' 3" i	11' 10" i	9' 8" i	10' 9"	9' 9"	8' 6"	12' 1" i	10' 11" i	9' 7" i
600S250-97	33	13' 2"	11' 11"	10' 5"	14' 9" i	13' 2" i	10' 6" i	11' 11"	10' 10"	9' 6"	13' 5" i	12' 2" i	10' 6" i
600S250-97	50	13' 2"	11' 11"	10' 5"	14' 9"	13' 5"	11' 9" i	11' 11"	10' 10"	9' 6"	13' 5"	12' 2"	10' 8" i
600S250-118	50	13' 11"	12' 8"	11' 1"	15' 8"	14' 2"	12' 5"	12' 8"	11' 6"	10' 0"	14' 2"	12' 11"	11' 3"
600S300-54	50	11' 4"	10' 3" e	8' 5" e	11' 11" i	10' 3" i	8' 5" i	10' 5"	9' 5"	8' 2" e	11' 6" i	10' 3" i	8' 5" i
600S300-68	50	12' 4"	11' 2"	9' 9"	13' 9" i	12' 0" i	9' 10" i	11' 2"	10' 2"	8' 10"	12' 6" i	11' 4" i	9' 10" i
600S300-97	50	13' 9"	12' 6"	10' 11"	15' 5"	14' 0" i	12' 2" i	12' 6"	11' 4"	9' 11"	14' 0"	12' 9"	11' 1" i
600S300-118	50	14' 6"	13' 2"	11' 6"	16' 4"	14' 10"	12' 11" i	13' 2"	12' 0"	10' 6"	14' 10"	13' 6"	11' 9" i
600S350-54	50	11' 11"	10' 10" e	9' 4" e	12' 6" i	10' 6" i	8' 1" i	10' 11"	9' 11" e	8' 7" e	12' 2" i	10' 6" i	8' 1" i
600S350-68	50	13' 0"	11' 9"	10' 4" e	14' 7" i	12' 9" i	10' 0" i	11' 9"	10' 8"	9' 4"	13' 3" i	12' 0" i	10' 0" i
600S350-97	50	14' 5"	13' 2"	11' 6"	16' 3"	14' 9" i	12' 4" i	13' 2"	11' 11"	10' 5"	14' 9"	13' 5"	11' 8" i
600S350-118	50	15' 4"	13' 11"	12' 2"	17' 3"	15' 8"	13' 8" i	13' 11"	12' 8"	11' 1"	15' 8"	14' 2"	12' 5"
800S162-33	33	6' 9" e	5' 1" e	3' 5" e	5' 5" a	4' 1" a	2' 9" a	6' 9" e	5' 1" e	3' 5" e	5' 5" a	4' 1" a	2' 9" a
800S162-43	33	9' 4" e	8' 1" e	6' 7" e	9' 3" a	7' 6" a	5' 6" a	9' 4" e	8' 1" e	6' 7" e	9' 3" a	7' 6" a	5' 6" a
800S162-54	33	10' 11" e	9' 5" e	7' 9" e	10' 11" i	9' 5" a	7' 9" a	10' 11" e	9' 5" e	7' 9" e	10' 11" i	9' 5" a	7' 9" a
800S162-54	50	12' 6" e	10' 10" e	8' 10" e	12' 6" i	10' 10" i	8' 10" a	11' 5"	10' 4" e	8' 10" e	12' 6" i	10' 10" i	8' 10" a
800S162-68	33	12' 8" e	11' 0" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a	12' 4"	11' 0" e	9' 0" e	12' 8" i	11' 0" i	9' 0" a
800S162-68	50	13' 6"	12' 4"	10' 4" e	14' 8" i	12' 8" i	10' 4" i	12' 4"	11' 2"	9' 9" e	13' 10" i	12' 7" i	10' 4" i
800S162-97	33	15' 0"	13' 8"	11' 9" e	16' 8" i	14' 5" i	11' 9" i	13' 8"	12' 5"	10' 10"	15' 4" i	13' 11" i	11' 9" i
800S162-97	50	15' 0"	13' 8"	11' 11"	16' 11" i	15' 4" i	13' 1" i	13' 8"	12' 5"	10' 10"	15' 4"	13' 11" i	12' 2" i
800S162-118	50	15' 11"	14' 5"	12' 7"	17' 10"	16' 3"	14' 2" i	14' 5"	13' 2"	11' 6"	16' 3"	14' 9"	12' 11"

See notes located on page 2

FLOOR JOIST SPAN TABLES - 15 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
800S200-33	33	6' 9" e	5' 1" e	3' 5" e	5' 5" a	4' 1" a	2' 9" a	6' 9" e	5' 1" e	3' 5" e	5' 5" a	4' 1" a	2' 9" a
800S200-43	33	10' 0" e	8' 8" e	7' 1" e	9' 10" a	8' 0" a	5' 10" a	10' 0" e	8' 8" e	7' 1" e	9' 10" a	8' 0" a	5' 10" a
800S200-54	33	12' 0" e	10' 5" e	8' 6" e	12' 0" a	10' 5" a	8' 6" a	12' 0" e	10' 5" e	8' 6" e	12' 0" a	10' 5" a	8' 6" a
800S200-54	50	13' 2" e	11' 7" e	9' 5" e	13' 4" i	11' 7" i	9' 5" a	12' 0"	10' 11" e	9' 5" e	13' 4" i	11' 7" i	9' 5" a
800S200-68	33	14' 1" e	12' 3" e	10' 0" e	14' 1" i	12' 3" i	10' 0" a	12' 11" e	11' 8" e	10' 0" e	14' 1" i	12' 3" i	10' 0" a
800S200-68	50	14' 2"	12' 11"	11' 3" e	15' 11" i	14' 0" i	11' 5" i	12' 11"	11' 8"	10' 3" e	14' 5" i	13' 2" i	11' 5" i
800S200-97	33	15' 9"	14' 4"	12' 5" e	17' 7" i	15' 3" i	12' 5" i	14' 4"	13' 0"	11' 4"	16' 1" i	14' 7" i	12' 5" i
800S200-97	50	15' 9"	14' 4"	12' 6"	17' 8"	16' 1" i	14' 1" i	14' 4"	13' 0"	11' 4"	16' 1"	14' 7"	12' 9" i
800S200-118	50	16' 8"	15' 2"	13' 3"	18' 9"	17' 0"	14' 11" i	15' 2"	13' 9"	12' 0"	17' 0"	15' 6"	13' 6"
800S250-43	33	10' 3" e	8' 11" e	7' 3" e	9' 11" a	8' 0" a	5' 10" a	10' 3" e	8' 11" e	7' 3" e	9' 11" a	8' 0" a	5' 10" a
800S250-54	33	12' 0" e	10' 4" e	8' 6" e	12' 0" a	10' 4" a	8' 6" a	12' 0" e	10' 4" e	8' 6" e	12' 0" a	10' 4" a	8' 6" a
800S250-54	50	13' 8" e	11' 10" e	9' 8" e	13' 8" i	11' 10" i	9' 6" a	12' 6" e	11' 4" e	9' 8" e	13' 8" i	11' 10" i	9' 6" a
800S250-68	33	14' 5" e	12' 6" e	10' 2" e	14' 5" i	12' 6" a	10' 2" a	13' 5" e	12' 3" e	10' 2" e	14' 5" i	12' 6" a	10' 2" a
800S250-68	50	14' 10"	13' 5"	11' 4" e	16' 0" i	13' 10" i	11' 4" i	13' 5"	12' 3"	10' 8" e	15' 1" i	13' 9" i	11' 4" i
800S250-97	33	16' 6"	15' 0"	13' 0" e	18' 4" i	15' 11" i	13' 0" i	15' 0"	13' 7"	11' 11" e	16' 10" i	15' 3" i	13' 0" i
800S250-97	50	16' 6"	15' 0"	13' 1"	18' 6"	16' 10" i	14' 8" i	15' 0"	13' 7"	11' 11"	16' 10"	15' 3" i	13' 4" i
800S250-118	50	17' 6"	15' 10"	13' 10"	19' 7"	17' 10"	15' 7" i	15' 10"	14' 5"	12' 7"	17' 10"	16' 2"	14' 2" i
800S300-54	50	13' 10" e	12' 0" e	9' 9" e	13' 10" i	12' 0" i	9' 7" a	12' 11" e	11' 8" e	9' 9" e	13' 10" i	12' 0" i	9' 7" a
800S300-68	50	15' 4"	13' 11"	11' 6" e	16' 3" i	14' 1" i	11' 6" i	14' 0"	12' 8"	11' 0" e	15' 7" i	14' 1" i	11' 6" i
800S300-97	50	17' 2"	15' 7"	13' 7"	19' 3" i	17' 6" i	14' 8" i	15' 7"	14' 2"	12' 4"	17' 6"	15' 11" i	13' 10" i
800S300-118	50	18' 2"	16' 6"	14' 5"	20' 5"	18' 6"	16' 2" i	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"	14' 9" i
800S350-54	50	14' 10" e	13' 4" e	10' 11" e	14' 7" i	12' 2" i	9' 3" a	13' 7" e	12' 4" e	10' 8" e	14' 7" i	12' 2" i	9' 3" a
800S350-68	50	16' 2"	14' 8" e	12' 9" e	18' 0" i	15' 4" i	12' 0" i	14' 8"	13' 4"	11' 8" e	16' 6" i	15' 0" i	12' 0" i
800S350-97	50	18' 0"	16' 4"	14' 4"	20' 3" i	18' 5" i	15' 6" i	16' 4"	14' 11"	13' 0"	18' 5"	16' 8" i	14' 7" i
800S350-118	50	19' 2"	17' 5"	15' 2"	21' 6"	19' 6"	17' 1" i	17' 5"	15' 10"	13' 10"	19' 6"	17' 9"	15' 6" i
1000S162-43	33	10' 4" e	8' 11" e	6' 0" e	8' 10" a	7' 0" a	4' 9" a	10' 4" e	8' 11" e	6' 0" e	8' 10" a	7' 0" a	4' 9" a
1000S162-54	33	12' 2" e	10' 6" e	8' 7" e	12' 2" a	10' 6" a	7' 11" a	12' 2" e	10' 6" e	8' 7" e	12' 2" a	10' 6" a	7' 11" a
1000S162-54	50	13' 10" e	12' 0" e	9' 10" e	13' 10" i	11' 8" i	8' 7" a	13' 7" e	12' 0" e	9' 10" e	13' 10" i	11' 8" i	8' 7" a
1000S162-68	33	14' 4" e	12' 5" e	10' 1" e	14' 4" i	12' 5" a	10' 1" a	14' 4" e	12' 5" e	10' 1" e	14' 4" i	12' 5" a	10' 1" a
1000S162-68	50	16' 2"	14' 2" e	11' 7" e	16' 5" i	14' 2" i	11' 7" i	14' 9"	13' 5"	11' 7" e	16' 5" i	14' 2" i	11' 7" i
1000S162-97	33	17' 10"	15' 6"	12' 8" e	17' 10" i	15' 6" i	12' 8" i	16' 5"	14' 11"	12' 8" e	17' 10" i	15' 6" i	12' 8" i
1000S162-97	50	18' 1"	16' 5"	14' 4"	20' 4" i	18' 2" i	14' 10" i	16' 5"	14' 11"	13' 1"	18' 6" i	16' 9" i	14' 8" i
1000S162-118	50	19' 2"	17' 5"	15' 3"	21' 6"	19' 7" i	16' 7" i	17' 5"	15' 10"	13' 10"	19' 7"	17' 9"	15' 6" i
1000S200-43	33	11' 2" e	8' 11" e	6' 0" e	9' 0" a	7' 2" a	4' 9" a	11' 2" e	8' 11" e	6' 0" e	9' 0" a	7' 2" a	4' 9" a
1000S200-54	33	13' 1" e	11' 4" e	9' 3" e	13' 1" a	11' 1" a	8' 3" a	13' 1" e	11' 4" e	9' 3" e	13' 1" a	11' 1" a	8' 3" a
1000S200-54	50	14' 11" e	12' 11" e	10' 6" e	14' 8" i	11' 11" i	8' 9" a	14' 2" e	12' 10" e	10' 6" e	14' 8" i	11' 11" i	8' 9" a
1000S200-68	33	15' 3" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a	15' 3" e	13' 3" e	10' 10" e	15' 3" i	13' 3" a	10' 10" a
1000S200-68	50	16' 11"	15' 2" e	12' 5" e	17' 6" i	15' 2" i	12' 5" a	15' 5"	14' 0" e	12' 2" e	17' 3" i	15' 2" i	12' 5" a
1000S200-97	33	18' 11"	16' 6"	13' 6" e	19' 1" i	16' 6" i	13' 6" i	17' 2"	15' 7"	13' 6" e	19' 1" i	16' 6" i	13' 6" i
1000S200-97	50	18' 11"	17' 2"	15' 0"	21' 3" i	19' 3" i	15' 9" i	17' 2"	15' 7"	13' 8"	19' 3" i	17' 6" i	15' 4" i
1000S200-118	50	20' 1"	18' 3"	15' 11"	22' 6"	20' 5" i	17' 8" i	18' 3"	16' 7"	14' 5"	20' 5"	18' 7"	16' 3" i
1000S250-43	33	11' 6" e	8' 11" e	6' 0" e	9' 3" a	7' 2" a	4' 9" a	11' 6" e	8' 11" e	6' 0" e	9' 3" a	7' 2" a	4' 9" a
1000S250-54	33	13' 5" e	11' 8" e	9' 6" e	13' 5" a	11' 6" a	8' 6" a	13' 5" e	11' 8" e	9' 6" e	13' 5" a	11' 6" a	8' 6" a
1000S250-54	50	15' 4" e	13' 3" e	10' 10" e	15' 1" i	12' 2" a	8' 11" a	14' 11" e	13' 3" e	10' 10" e	15' 1" i	12' 2" a	8' 11" a
1000S250-68	33	16' 3" e	14' 1" e	11' 6" e	16' 3" a	14' 1" a	11' 6" a	16' 1" e	14' 1" e	11' 6" e	16' 3" a	14' 1" a	11' 6" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 15 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S250-68	50	17' 8"	15' 7" e	12' 9" e	18' 0" i	15' 7" i	12' 9" a	16' 1"	14' 7" e	12' 9" e	18' 0" i	15' 7" i	12' 9" a
1000S250-97	33	19' 8"	17' 11" e	14' 9" e	20' 11" i	18' 1" i	14' 9" i	17' 11"	16' 3"	14' 2" e	20' 1" i	18' 1" i	14' 9" i
1000S250-97	50	19' 8"	17' 11"	15' 8"	22' 1" i	20' 1" i	16' 11" i	17' 11"	16' 3"	14' 2"	20' 1"	18' 3" i	15' 11" i
1000S250-118	50	20' 11"	19' 0"	16' 7"	23' 5"	21' 4" i	18' 7" i	19' 0"	17' 3"	15' 1"	21' 4"	19' 4"	16' 11" i
1000S300-54	50	15' 6" e	13' 5" e	11' 0" e	15' 1" i	12' 3" a	9' 0" a	15' 4" e	13' 5" e	11' 0" e	15' 1" i	12' 3" a	9' 0" a
1000S300-68	50	18' 3"	15' 10" e	12' 11" e	18' 4" i	15' 10" i	12' 11" a	16' 7"	15' 1" e	12' 11" e	18' 4" i	15' 10" i	12' 11" a
1000S300-97	50	20' 5"	18' 7"	16' 2"	22' 11" i	20' 4" i	16' 7" i	18' 7"	16' 10"	14' 9"	20' 10" i	18' 11" i	16' 6" i
1000S300-118	50	21' 8"	19' 8"	17' 2"	24' 4"	22' 1" i	19' 4" i	19' 8"	17' 11"	15' 8"	22' 1"	20' 1"	17' 7" i
1000S350-54	50	17' 4" e	15' 0" e	11' 10" e	14' 7" i	11' 10" i	8' 6" a	16' 1" e	14' 7" e	11' 10" e	14' 7" i	11' 10" i	8' 6" a
1000S350-68	50	19' 2" e	17' 5" e	14' 4" e	20' 4" i	17' 1" i	13' 3" a	17' 5"	15' 10" e	13' 10" e	19' 7" i	17' 1" i	13' 3" a
1000S350-97	50	21' 5"	19' 6"	17' 0"	24' 1" i	21' 10" i	18' 1" i	19' 6"	17' 8"	15' 5"	21' 10" i	19' 10" i	17' 4" i
1000S350-118	50	22' 9"	20' 8"	18' 1"	25' 7"	23' 3" i	20' 4" i	20' 8"	18' 10"	16' 5"	23' 3"	21' 1"	18' 5" i
1200S162-54	33	13' 2" e 1	1' 5" e	9' 4" e	12' 9" a	10' 4" a	7' 6" a	13' 2" e	11' 5" e	9' 4" e	12' 9" a	10' 4" a	7' 6" a
1200S162-54	50	14' 11" e	12' 11" e	9' 10" e	13' 10" a	11' 1" a	7' 10" a	14' 11" e	12' 11" e	9' 10" e	13' 10" a	11' 1" a	7' 10" a
1200S162-68	33	15' 7" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a	15' 7" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a
1200S162-68	50	17' 9" e	15' 4" e	12' 7" e	17' 9" i	15' 4" i	12' 7" a	17' 0"	15' 4" e	12' 7" e	17' 9" i	15' 4" i	12' 7" a
1200S162-97	33	20' 0"	17' 4" e	14' 2" e	20' 0" i	17' 4" i	14' 2" i	19' 2"	17' 4" e	14' 2" e	20' 0" i	17' 4" i	14' 2" i
1200S162-97	50	21' 2"	19' 2"	16' 3"	23' 0" i	19' 11" i	16' 3" i	19' 2"	17' 5"	15' 3"	21' 7" i	19' 7" i	16' 3" i
1200S162-118	50	22' 5"	20' 4"	17' 9"	25' 2" i	22' 10" i	18' 9" i	20' 4"	18' 6"	16' 2"	22' 10"	20' 9" i	18' 2" i
1200S200-54	33	14' 3" e	12' 4" e	9' 10" e	13' 3" a	10' 8" a	7' 9" a	14' 3" e	12' 4" e	9' 10" e	13' 3" a	10' 8" a	7' 9" a
1200S200-54	50	16' 2" e	14' 0" e	9' 10" e	14' 1" a	11' 3" a	7' 10" a	16' 2" e	14' 0" e	9' 10" e	14' 1" a	11' 3" a	7' 10" a
1200S200-68	33	16' 9" e	14' 6" e	11' 10" e	16' 9" a	14' 6" a	11' 10" a	16' 9" e	14' 6" e	11' 10" e	16' 9" a	14' 6" a	11' 10" a
1200S200-68	50	19' 1" e	16' 6" e	13' 6" e	19' 1" i	16' 6" i	13' 0" a	17' 9" e	16' 1" e	13' 6" e	19' 1" i	16' 6" i	13' 0" a
1200S200-97	33 2	1' 4"	18' 6" e	15' 1" e	21' 4" i	18' 6" i	15' 1" a	20' 0"	18' 2" e	15' 1" e	21' 4" i	18' 6" i	15' 1" a
1200S200-97	50	22' 0"	20' 0"	17' 5" e	24' 7" i	21' 3" i	17' 5" i	20' 0"	18' 2"	15' 10"	22' 5" i	20' 5" i	17' 5" i
1200S200-118	50	23' 4"	21' 2"	18' 6"	26' 2" i	23' 10" i	19' 11" i	21' 2"	19' 3"	16' 10"	23' 10"	21' 8" i	18' 11" i
1200S250-54	33	14' 9" e	12' 9" e	9' 10" e	13' 4" a	10' 9" a	7' 9" a	14' 9" e	12' 9" e	9' 10" e	13' 4" a	10' 9" a	7' 9" a
1200S250-54	50	16' 8" e	14' 5" e	9' 10" e	14' 3" a	11' 4" a	7' 10" a	16' 8" e	14' 5" e	9' 10" e	14' 3" a	11' 4" a	7' 10" a
1200S250-68	33	17' 4" e	15' 0" e	12' 3" e	17' 4" a	15' 0" a	12' 1" a	17' 4" e	15' 0" e	12' 3" e	17' 4" a	15' 0" a	12' 1" a
1200S250-68	50	19' 9" e	17' 1" e	13' 11" e	19' 9" i	17' 1" i	13' 1" a	18' 5" e	16' 9" e	13' 11" e	19' 9" i	17' 1" i	13' 1" a
1200S250-97	50	22' 10"	20' 9"	17' 11" e	25' 5" i	22' 0" i	17' 11" i	20' 9"	18' 10"	16' 6"	23' 3" i	21' 2" i	17' 11" i
1200S250-97	33	22' 1"	19' 2" e	15' 7" e	22' 1" i	19' 2" i	15' 7" a	20' 9"	18' 10" e	15' 7" e	22' 1" i	19' 2" i	15' 7" a
1200S250-118	50	24' 3"	22' 0"	19' 3"	27' 3" i	24' 9" i	20' 7" i	22' 0"	20' 0"	17' 6"	24' 9"	22' 6" i	19' 7" i
1200S300-54	50	17' 0" e	14' 9" e	9' 10" e	14' 5" a	11' 6" a	7' 10" a	17' 0" e	14' 9" e	9' 10" e	14' 5" a	11' 6" a	7' 10" a
1200S300-68	50	20' 1" e	17' 5" e	14' 3" e	20' 1" i	17' 5" i	13' 5" a	19' 2" e	17' 5" e	14' 3" e	20' 1" i	17' 5" i	13' 5" a
1200S300-97	50	23' 7"	21' 5"	18' 4" e	25' 11" i	22' 5" i	18' 4" i	21' 5"	19' 6"	17' 0" e	24' 1" i	21' 11" i	18' 4" i
1200S300-118	50	25' 1"	22' 9"	19' 11"	28' 2" i	25' 7" i	21' 11" i	22' 9"	20' 8"	18' 1" e	25' 7"	23' 3" i	20' 4" i
1200S350-54	50	19' 0" e	14' 9" e	9' 10" e	13' 10" a	10' 10" a	7' 6" a	18' 7" e	14' 9" e	9' 10" e	13' 10" a	10' 10" a	7' 6" a
1200S350-68	50	22' 2" e	19' 4" e	15' 10" e	20' 10" i	17' 3" i	12' 11" a	20' 1" e	18' 3" e	15' 10" e	20' 10" i	17' 3" i	12' 11" a
1200S350-97	50	24' 9"	22' 6"	19' 8" e	27' 9" i	24' 8" i	20' 2" i	22' 6"	20' 5"	17' 10" e	25' 3" i	22' 11" i	20' 0" i
1200S350-118	50	26' 4"	23' 11"	20' 10"	29' 6" i	26' 10" i	23' 5" i	23' 11"	21' 8"	19' 0" e	26' 10"	24' 4" i	21' 3" i
1400S162-54	33	13' 11" e	12' 1" e	8' 5" e	12' 3" a	9' 10" a	6' 9" a	13' 11" e	12' 1" e	8' 5" e	12' 3" a	9' 10" a	6' 9" a
1400S162-54	50	15' 9" e	12' 7" e	8' 5" e	13' 2" a	10' 1" a	6' 9" a	15' 9" e	12' 7" e	8' 5" e	13' 2" a	10' 1" a	6' 9" a
1400S162-68	33	16' 7" e	14' 5" e	11' 9" e	16' 7" a	14' 5" a	11' 2" a	16' 7" e	14' 5" e	11' 9" e	16' 7" a	14' 5" a	11' 2" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 15 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S162-68	50	18' 10" e	16' 4" e	13' 4" e	18' 10" i	16' 4" i	12' 2" a	18' 10" e	16' 4" e	13' 4" e	18' 10" i	16' 4" i	12' 2" a
1400S162-97	33	21' 7"	18' 8" e	15' 3" e	21' 7" i	18' 8" i	15' 3" a	21' 7"	18' 8" e	15' 3" e	21' 7" i	18' 8" i	15' 3" a
1400S162-97	50	24' 0"	21' 5"	17' 5" e	24' 8" i	21' 5" i	17' 5" i	21' 11"	19' 10"	17' 3" e	24' 5" i	21' 5" i	17' 5" i
1400S162-118	50	25' 7"	23' 3"	20' 3"	28' 7" i	24' 9" i	20' 3" i	23' 3"	21' 1"	18' 5"	26' 1" i	23' 9" i	20' 3" i
1400S200-54	33	15' 2" e	12' 7" e	8' 5" e	12' 8" a	10' 1" a	6' 9" a	15' 2" e	12' 7" e	8' 5" e	12' 8" a	10' 1" a	6' 9" a
1400S200-54	50	16' 10" e	12' 7" e	8' 5" e	13' 4" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 4" a	10' 1" a	6' 9" a
1400S200-68	33	17' 11" e	15' 6" e	12' 8" e	17' 11" a	15' 6" a	11' 7" a	17' 11" e	15' 6" e	12' 8" e	17' 11" a	15' 6" a	11' 7" a
1400S200-68	50	20' 4" e	17' 8" e	14' 5" e	20' 4" i	17' 0" i	12' 6" a	20' 0" e	17' 8" e	14' 5" e	20' 4" i	17' 0" i	12' 6" a
1400S200-97	33	23' 1" e	20' 0" e	16' 4" e	23' 1" i	20' 0" i	16' 4" a	22' 9" e	20' 0" e	16' 4" e	23' 1" i	20' 0" i	16' 4" a
1400S200-97	50	24' 11"	22' 7"	18' 8" e	26' 5" i	22' 11" i	18' 8" i	22' 9"	20' 8"	18' 0" e	25' 5" i	22' 11" i	18' 8" i
1400S200-118	50	26' 7"	24' 2"	21' 1"	29' 10" i	26' 5" i	21' 7" i	24' 2"	21' 11"	19' 2"	27' 1" i	24' 8" i	21' 6" i
1400S250-54	33	15' 9" e	12' 7" e	8' 5" e	12' 9" a	10' 1" a	6' 9" a	15' 9" e	12' 7" e	8' 5" e	12' 9" a	10' 1" a	6' 9" a
1400S250-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a
1400S250-68	33	18' 7" e	16' 2" e	13' 2" e	18' 7" a	15' 10" a	11' 9" a	18' 7" e	16' 2" e	13' 2" e	18' 7" a	15' 10" a	11' 9" a
1400S250-68	50	21' 2" e	18' 4" e	14' 11" e	21' 0" i	17' 1" i	12' 6" a	20' 9" e	18' 4" e	14' 11" e	21' 0" i	17' 1" i	12' 6" a
1400S250-97	33	24' 0" e	20' 9" e	16' 11" e	24' 0" i	20' 9" i	16' 11" a	23' 7" e	20' 9" e	16' 11" e	24' 0" i	20' 9" i	16' 11" a
1400S250-97	50	25' 10"	23' 5"	19' 5" e	27' 5" i	23' 9" i	19' 5" i	23' 7"	21' 4"	18' 8" e	26' 4" i	23' 9" i	19' 5" i
1400S250-118	50	27' 6"	25' 0"	21' 10"	30' 11" i	27' 5" i	22' 5" i	25' 0"	22' 9"	19' 10"	28' 1" i	25' 6" i	22' 3" i
1400S300-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a
1400S300-68	50	21' 8" e	18' 9" e	15' 4" e	21' 2" i	17' 2" a	12' 7" a	21' 4" e	18' 9" e	15' 4" e	21' 2" i	17' 2" a	12' 7" a
1400S300-97	50	26' 8"	24' 3"	19' 10" e	28' 1" i	24' 4" i	19' 10" i	24' 4"	22' 1"	19' 3" e	27' 3" i	24' 4" i	19' 10" i
1400S300-118	50	28' 5"	25' 10"	22' 7"	31' 11" i	28' 1" i	22' 11" i	25' 10"	23' 6"	20' 6"	29' 0" i	26' 4" i	22' 11" i
1400S350-54	50	16' 10" e	12' 7" e	8' 5" e	12' 7" a	9' 8" a	6' 7" a	16' 10" e	12' 7" e	8' 5" e	12' 7" a	9' 8" a	6' 7" a
1400S350-68	50	24' 2" e	20' 11" e	16' 11" e	20' 9" i	16' 10" i	12' 2" a	22' 9" e	20' 8" e	16' 11" e	20' 9" i	16' 10" i	12' 2" a
1400S350-97	50	28' 0"	25' 5" e	21' 11" e	30' 11" i	26' 10" i	21' 11" i	25' 5"	23' 1"	20' 2" e	28' 6" i	25' 11" i	21' 11" i
1400S350-118	50	29' 9"	27' 0"	23' 7"	33' 5" i	30' 4" i	25' 11" i	27' 0"	24' 7"	21' 5"	30' 4" i	27' 7" i	24' 1" i
1600S200-68	50	21' 5" e	18' 7" e	14' 9" e	18' 9" a	15' 1" a	10' 9" a	21' 5" e	18' 7" e	14' 9" e	18' 9" a	15' 1" a	10' 9" a
1600S200-97	50	27' 9"	24' 3" e	19' 10" e	28' 0" i	24' 3" i	19' 7" i	25' 4"	22' 11"	19' 10" e	28' 0" i	24' 3" i	19' 7" i
1600S200-118	50	29' 9"	27' 0"	23' 0"	32' 6" i	28' 2" i	23' 0" i	27' 1"	24' 7"	21' 6"	30' 4" i	27' 6" i	23' 0" i
1600S250-68	50	22' 4" e	19' 4" e	14' 9" e	18' 9" a	15' 1" a	10' 10" a	22' 4" e	19' 4" e	14' 9" e	18' 9" a	15' 1" a	10' 10" a
1600S250-97	50	28' 8"	25' 3" e	20' 7" e	29' 2" i	25' 3" i	20' 1" i	26' 2"	23' 9"	20' 7" e	29' 2" i	25' 3" i	20' 1" i
1600S250-118	50	30' 9"	27' 11"	23' 11" e	33' 10" i	29' 3" i	23' 11" i	28' 0"	25' 5"	22' 2"	31' 5" i	28' 6" i	23' 11" i
1600S300-68	50	22' 11" e	19' 10" e	14' 9" e	18' 11" a	15' 2" a	10' 10" a	22' 11" e	19' 10" e	14' 9" e	18' 11" a	15' 2" a	10' 10" a
1600S300-97	50	29' 7"	25' 11" e	21' 2" e	29' 11" i	25' 11" i	20' 7" i	27' 0"	24' 6" e	21' 2" e	29' 11" i	25' 11" i	20' 7" i
1600S300-118	50	31' 9"	28' 10"	24' 7" e	34' 9" i	30' 1" i	24' 7" i	28' 10"	26' 2"	22' 10"	32' 4" i	29' 4" i	24' 7" i
1600S350-68	50	25' 9" e	22' 1" e	14' 9" e	19' 11" a	15' 9" a	11' 1" a	24' 10" e	22' 1" e	14' 9" e	19' 11" a	15' 9" a	11' 1" a
1600S350-97	50	30' 11"	28' 1" e	23' 5" e	32' 6" i	27' 7" i	21' 7" a	28' 2"	25' 7" e	22' 4" e	31' 7" i	27' 7" i	21' 7" a
1600S350-118	50	33' 1"	30' 1"	26' 3" e	37' 1" i	33' 0" i	26' 11" i	30' 1"	27' 4"	23' 11" e	33' 9" i	30' 8" i	26' 9" i

See notes located on page 2

FLOOR JOIST SPAN TABLES - 40 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection					L/480 Live Load Deflection				
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)		Single Span Spacing (in)			Two Equal Spans Spacing (in)	
600S162-33	33	6' 2" e	5' 4" e	3' 10" e	5' 7" a	4' 5" a	3' 1" a	6' 2" e	5' 4" e	3' 10" e	5' 7" a
600S162-43	33	7' 8" e	6' 7" e	5' 5" e	7' 8" a	6' 7" a	5' 1" a	7' 8" e	6' 7" e	5' 5" e	7' 8" a
600S162-54	33	8' 11" e	7' 9" e	6' 4" e	8' 11" i	7' 9" a	6' 4" a	8' 11" e	7' 9" e	6' 4" e	8' 11" i
600S162-54	50	10' 0"	8' 10" e	7' 3" e	10' 3" i	8' 10" i	7' 3" i	9' 1"	8' 3"	7' 3" e	10' 2" i
600S162-68	33	10' 5"	9' 0" e	7' 4" e	10' 5" i	9' 0" i	7' 4" a	9' 9"	8' 10" e	7' 4" e	10' 5" i
600S162-68	50	10' 9"	9' 9"	8' 6" e	12' 0" i	10' 5" i	8' 6" i	9' 9"	8' 10"	7' 9"	10' 11" i
600S162-97	33	11' 11"	10' 9"	8' 10"	12' 5" i	10' 9" i	8' 8" i	10' 10"	9' 10"	8' 7"	12' 1" i
600S162-97	50	11' 11"	10' 10"	9' 5"	13' 4"	12' 1" i	10' 7" i	10' 10"	9' 10"	8' 7"	12' 1"
600S162-118	50	12' 7"	11' 5"	10' 0"	14' 1"	12' 10"	10' 7" i	11' 5"	10' 4"	9' 1"	12' 10"
600S200-33	33	6' 7" e	5' 9" e	3' 10" e	5' 8" a	4' 6" a	3' 1" a	6' 7" e	5' 9" e	3' 10" e	5' 8" a
600S200-43	33	7' 11" e	6' 10" e	5' 7" e	7' 11" a	6' 10" a	5' 1" a	7' 11" e	6' 10" e	5' 7" e	7' 11" a
600S200-54	33	9' 5" e	8' 2" e	6' 8" e	9' 5" i	8' 2" a	6' 8" a	9' 5" e	8' 2" e	6' 8" e	9' 5" i
600S200-54	50	10' 6"	9' 1" e	7' 5" e	10' 6" i	9' 1" i	7' 4" i	9' 7" 8'	8" e	7' 5" e	10' 6" i
600S200-68	33	11' 0" e	9' 6" e	7' 9" e	11' 0" i	9' 6" i	7' 9" a	10' 3"	9' 4" e	7' 9" e	11' 0" i
600S200-68	50	11' 3"	10' 3"	8' 11" e	12' 8" i	11' 0" i	8' 11" i	10' 3"	9' 4"	8' 2"	11' 6" i
600S200-97	33	12' 6"	11' 4"	9' 4"	13' 3" i	11' 6" i	9' 0" i	11' 4"	10' 4"	9' 0"	12' 9" i
600S200-97	50	12' 6"	11' 4"	9' 11"	14' 1"	12' 9" i	11' 2" i	11' 4"	10' 4"	9' 0"	12' 9"
600S200-118	50	13' 3"	12' 0"	10' 6"	14' 10"	13' 6"	11' 1" i	12' 0"	10' 11"	9' 7"	13' 6"
600S250-43	33	8' 1" e	7' 0" e	5' 9" e	8' 1" a	7' 0" a	5' 2" a	8' 1" e	7' 0" e	5' 9" e	8' 1" a
600S250-54	33	9' 5" e	8' 2" e	6' 8" e	9' 5" i	8' 2" a	6' 8" a	9' 5" e	8' 2" e	6' 8" e	9' 5" i
600S250-54	50	10' 9"	9' 4" e	7' 7" e	10' 9" i	9' 4" i	7' 5" a	10' 0"	9' 1" e	7' 7" e	10' 9" i
600S250-68	33	11' 3" e	9' 9" e	8' 0" e	11' 3" i	9' 9" i	8' 0" a	10' 9"	9' 9" e	8' 0" e	11' 3" i
600S250-68	50	11' 10"	10' 9"	8' 11" e	12' 7" i	10' 11" i	8' 11" i	10' 9"	9' 9"	8' 6" e	12' 1" i
600S250-97	33	13' 2"	11' 11"	9' 11"	14' 1" i	12' 2" i	9' 4" i	11' 11"	10' 10"	9' 6"	13' 5" i
600S250-97	50	13' 2"	11' 11"	10' 5"	14' 9" i	13' 5" i	11' 7" i	11' 11"	10' 10"	9' 6"	13' 5"
600S250-118	50	13' 11"	12' 8"	11' 1"	15' 8"	14' 2"	11' 6" i	12' 8"	11' 6"	10' 0"	14' 2"
600S300-54	50	10' 11"	9' 6" e	7' 9" e	10' 11" i	9' 6" i	7' 6" a	10' 4"	9' 4" e	7' 9" e	10' 11" i
600S300-68	50	12' 3"	11' 1"	9' 1" e	12' 10" i	11' 1" i	9' 1" i	11' 2"	10' 2"	8' 10" e	12' 6" i
600S300-97	50	13' 9"	12' 6"	10' 11"	15' 5" i	13' 11" i	11' 5" i	12' 6"	11' 4"	9' 11"	14' 0"
600S300-118	50	14' 6"	13' 2"	11' 6"	16' 4"	14' 10"	11' 10" i	13' 2"	12' 0"	10' 6"	14' 10"
600S350-54	50	11' 11" e	10' 6" e	8' 7" e	11' 4" i	9' 6" i	7' 3" i	10' 10"	9' 10" e	8' 7" e	11' 4" i
600S350-68	50	13' 0"	11' 9"	10' 0" e	13' 8" i	11' 7" i	9' 0" i	11' 9"	10' 8"	9' 4" e	13' 3" i
600S350-97	50	14' 5"	13' 2"	11' 6"	16' 3" i	14' 3" i	11' 2" i	13' 2"	11' 11"	10' 5"	14' 9"
600S350-118	50	15' 4"	13' 11"	12' 2"	17' 3"	15' 8"	12' 5" i	13' 11"	12' 8"	11' 1"	15' 8"
800S162-33	33	5' 9" e	4' 4" e	2' 10" e	4' 7" a	3' 5" a	2' 4" a	5' 9" e	4' 4" e	2' 10" e	4' 7" a
800S162-43	33	8' 7" e	7' 5" e	6' 1" e	8' 2" a	6' 8" a	4' 10" a	8' 7" e	7' 5" e	6' 1" e	8' 2" a
800S162-54	33	10' 1" e	8' 8" e	7' 1" e	10' 1" a	8' 8" a	7' 1" a	10' 1" e	8' 8" e	7' 1" e	10' 1" a
800S162-54	50	11' 6" e	10' 0" e	8' 2" e	11' 6" i	10' 0" i	8' 0" a	11' 5" e	10' 0" e	8' 2" e	11' 6" i
800S162-68	33	11' 8" e	10' 2" e	8' 3" e	11' 8" i	10' 2" i	8' 3" a	11' 8" e	10' 2" e	8' 3" e	11' 8" i
800S162-68	50	13' 6"	11' 8"	9' 7" e	13' 6" i	11' 8" i	9' 7" i	12' 4"	11' 2"	9' 7" e	13' 6" i
800S162-97	33	15' 0"	13' 3"	10' 10" e	15' 4" i	13' 3" i	10' 10" i	13' 8"	12' 5"	10' 10" e	15' 4" i
800S162-97	50	15' 0"	13' 8"	11' 11"	16' 11" i	14' 9" i	12' 1" i	13' 8"	12' 5"	10' 10" i	15' 4" i
800S162-118	50	15' 11"	14' 5"	12' 7"	17' 10"	16' 3" i	13' 11" i	14' 5"	13' 2"	11' 6"	16' 3"

See notes located on page 2

FLOOR JOIST SPAN TABLES - 40 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
800S200-33	33	5' 9" e	4' 4" e	2' 10" e	4' 7" a	3' 5" a	2' 4" a	5' 9" e	4' 4" e	2' 10" e	4' 7" a	3' 5" a	2' 4" a
800S200-43	33	9' 2" e	8' 0" e	6' 4" e	8' 9" a	7' 0" a	5' 1" a	9' 2" e	8' 0" e	6' 4" e	8' 9" a	7' 0" a	5' 1" a
800S200-54	33	11' 1" e	9' 7" e	7' 10" e	11' 1" a	9' 7" a	7' 10" a	11' 1" e	9' 7" e	7' 10" e	11' 1" a	9' 7" a	7' 10" a
800S200-54	50	12' 3" e	10' 8" e	8' 8" e	12' 3" i	10' 8" a	8' 5" a	12' 0" e	10' 8" e	8' 8" e	12' 3" i	10' 8" a	8' 5" a
800S200-68	33	13' 0" e	11' 3" e	9' 2" e	13' 0" i	11' 3" a	9' 2" a	12' 11" e	11' 3" e	9' 2" e	13' 0" i	11' 3" a	9' 2" a
800S200-68	50	14' 2"	12' 10" e	10' 6" e	14' 10" i	12' 10" i	10' 6" i	12' 11"	11' 8"	10' 3" e	14' 5" i	12' 10" i	10' 6" i
800S200-97	33	15' 9"	14' 1"	11' 6" e	16' 3" i	14' 1" i	11' 6" i	14' 4"	13' 0"	11' 4" e	16' 1" i	14' 1" i	11' 6" i
800S200-97	50	15' 9"	14' 4"	12' 6"	17' 8" i	16' 1" i	13' 6" i	14' 4"	13' 0"	11' 4"	16' 1"	14' 7" i	12' 9" i
800S200-118	50	16' 8"	15' 2"	13' 3"	18' 9"	17' 0" i	14' 8" i	15' 2"	13' 9"	12' 0"	17' 0"	15' 6"	13' 6" i
800S250-43	33	9' 5" e	8' 2" e	6' 4" e	8' 9" a	7' 1" a	5' 1" a	9' 5" e	8' 2" e	6' 4" e	8' 9" a	7' 1" a	5' 1" a
800S250-54	33	11' 0" e	9' 7" e	7' 10" e	11' 0" a	9' 7" a	7' 9" a	11' 0" e	9' 7" e	7' 10" e	11' 0" a	9' 7" a	7' 9" a
800S250-54	50	12' 7" e	10' 11" e	8' 11" e	12' 7" i	10' 11" a	8' 6" a	12' 6" e	10' 11" e	8' 11" e	12' 7" i	10' 11" a	8' 6" a
800S250-68	33	13' 3" e	11' 6" e	9' 5" e	13' 3" i	11' 6" a	9' 5" a	13' 3" e	11' 6" e	9' 5" e	13' 3" i	11' 6" a	9' 5" a
800S250-68	50	14' 9"	12' 9" e	10' 5" e	14' 9" i	12' 9" i	10' 5" i	13' 5"	12' 3" e	10' 5" e	14' 9" i	12' 9" i	10' 5" i
800S250-97	33	16' 6"	14' 8"	11' 11" e	16' 11" i	14' 8" i	11' 11" i	15' 0"	13' 7"	11' 11" e	16' 10" i	14' 8" i	11' 11" i
800S250-97	50	16' 6"	15' 0"	13' 1"	18' 6" i	16' 10" i	13' 9" i	15' 0"	13' 7"	11' 11"	16' 10" i	15' 3" i	13' 4" i
800S250-118	50	17' 6"	15' 10"	13' 10"	19' 7"	17' 10" i	15' 2" i	15' 10"	14' 5"	12' 7"	17' 10"	16' 2"	14' 2" i
800S300-54	50	12' 9" e	11' 0" e	9' 0" e	12' 9" i	11' 0" a	8' 6" a	12' 9" e	11' 0" e	9' 0" e	12' 9" i	11' 0" a	8' 6" a
800S300-68	50	15' 0"	13' 0" e	10' 7" e	15' 0" i	13' 0" i	10' 7" i	13' 11"	12' 7" e	10' 7" e	15' 0" i	13' 0" i	10' 7" i
800S300-97	50	17' 2"	15' 7"	13' 6"	19' 1" i	16' 6" i	13' 6" i	15' 7"	14' 2"	12' 4"	17' 6" i	15' 11" i	13' 6" i
800S300-118	50	18' 2"	16' 6"	14' 5"	20' 5"	18' 6" i	15' 9" i	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"	14' 9" i
800S350-54	50	14' 2" e	12' 3" e	10' 0" e	13' 2" i	10' 11" a	8' 2" a	13' 6" e	12' 3" e	10' 0" e	13' 2" i	10' 11" a	8' 2" a
800S350-68	50	16' 2" e	14' 4" e	11' 9" e	16' 6" i	13' 11" i	10' 10" a	14' 8"	13' 4" e	11' 8" e	16' 6" i	13' 11" i	10' 10" a
800S350-97	50	18' 0"	16' 4"	14' 4"	20' 3" i	17' 8" i	14' 1" i	16' 4"	14' 11"	13' 0"	18' 5" i	16' 8" i	14' 1" i
800S350-118	50	19' 2"	17' 5"	15' 2"	21' 6"	19' 6" i	16' 9" i	17' 5"	15' 10"	13' 10"	19' 6"	17' 9"	15' 6" i
1000S162-43	33	9' 6" e	7' 7" e	5' 1" e	7' 9" a	6' 1" a	4' 1" a	9' 6" e	7' 7" e	5' 1" e	7' 9" a	6' 1" a	4' 1" a
1000S162-54	33	11' 3" e	9' 9" e	7' 11" e	11' 3" a	9' 5" a	7' 0" a	11' 3" e	9' 9" e	7' 11" e	11' 3" a	9' 5" a	7' 0" a
1000S162-54	50	12' 9" e	11' 1" e	9' 0" e	12' 9" i	10' 4" a	7' 7" a	12' 9" e	11' 1" e	9' 0" e	12' 9" i	10' 4" a	7' 7" a
1000S162-68	33	13' 2" e	11' 5" e	9' 4" e	13' 2" i	11' 5" a	9' 4" a	13' 2" e	11' 5" e	9' 4" e	13' 2" i	11' 5" a	9' 4" a
1000S162-68	50	15' 1"	13' 1" e	10' 8" e	15' 1" i	13' 1" i	10' 8" a	14' 8"	13' 1" e	10' 8" e	15' 1" i	13' 1" i	10' 8" a
1000S162-97	33	16' 6"	14' 3"	11' 8" e	16' 6" i	14' 3" i	11' 8" i	16' 5"	14' 3"	11' 8" e	16' 6" i	14' 3" i	11' 8" i
1000S162-97	50	18' 1"	16' 5"	13' 8"	19' 4" i	16' 9" i	13' 8" i	16' 5"	14' 11"	13' 1"	18' 6" i	16' 9" i	13' 8" i
1000S162-118	50	19' 2"	17' 5"	15' 3"	21' 6" i	18' 9" i	15' 2" i	17' 5"	15' 10"	13' 10"	19' 7"	17' 9" i	15' 2" i
1000S200-43	33	10' 2" e	7' 7" e	5' 1" e	7' 11" a	6' 1" a	4' 1" a	10' 2" e	7' 7" e	5' 1" e	7' 11" a	6' 1" a	4' 1" a
1000S200-54	33	12' 0" e	10' 5" e	8' 6" e	12' 0" a	9' 10" a	7' 3" a	12' 0" e	10' 5" e	8' 6" e	12' 0" a	9' 10" a	7' 3" a
1000S200-54	50	13' 9" e	11' 11" e	9' 8" e	13' 0" i	10' 6" a	7' 8" a	13' 9" e	11' 11" e	9' 8" e	13' 0" i	10' 6" a	7' 8" a
1000S200-68	33	14' 1" e	12' 2" e	9' 11" e	14' 1" a	12' 2" a	9' 11" a	14' 1" e	12' 2" e	9' 11" e	14' 1" a	12' 2" a	9' 11" a
1000S200-68	50	16' 2" e	14' 0" e	11' 5" e	16' 2" i	14' 0" i	11' 5" a	15' 4"	13' 11" e	11' 5" e	16' 2" i	14' 0" i	11' 5" a
1000S200-97	33	17' 7"	15' 3" e	12' 5" e	17' 7" i	15' 3" i	12' 5" i	17' 2"	15' 3" e	12' 5" e	17' 7" i	15' 3" i	12' 5" i
1000S200-97	50	18' 11"	17' 2"	14' 7"	20' 7" i	17' 10" i	14' 7" i	17' 2"	15' 7"	13' 8"	19' 3" i	17' 6" i	14' 7" i
1000S200-118	50	20' 1"	18' 3"	15' 11"	22' 6" i	20' 0" i	16' 2" i	18' 3"	16' 7"	14' 5"	20' 5"	18' 7" i	16' 2" i
1000S250-43	33	10' 2" e	7' 7" e	5' 1" e	8' 1" a	6' 1" a	4' 1" a	10' 2" e	7' 7" e	5' 1" e	8' 1" a	6' 1" a	4' 1" a
1000S250-54	33	12' 5" e	10' 9" e	8' 9" e	12' 5" a	10' 2" a	7' 6" a	12' 5" e	10' 9" e	8' 9" e	12' 5" a	10' 2" a	7' 6" a
1000S250-54	50	14' 1" e	12' 2" e	10' 0" e	13' 4" i	10' 9" a	7' 10" a	14' 1" e	12' 2" e	10' 0" e	13' 4" i	10' 9" a	7' 10" a
1000S250-68	33	15' 0" e	13' 0" e	10' 7" e	15' 0" a	13' 0" a	10' 7" a	15' 0" e	13' 0" e	10' 7" e	15' 0" a	13' 0" a	10' 7" a

See notes located on page 2

FLOOR JOIST SPAN TABLES - 40 PSF DEAD LOAD AND 125 PSF LIVE LOAD

Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1000S250-68	50	16' 7" e	14' 4" e	11' 9" e	16' 7" i	14' 4" i	11' 9" a	16' 1" e	14' 4" e	11' 9" e	16' 7" i	14' 4" i	11' 9" a
1000S250-97	33	19' 3"	16' 8" e	13' 7" e	19' 3" i	16' 8" i	13' 7" a	17' 11"	16' 3" e	13' 7" e	19' 3" i	16' 8" i	13' 7" a
1000S250-97	50	19' 8"	17' 11"	15' 7" e	22' 0" i	19' 1" i	15' 7" i	17' 11"	16' 3"	14' 2"	20' 1" i	18' 3" i	15' 7" i
1000S250-118	50	20' 11"	19' 0"	16' 7"	23' 5" i	21' 4" i	18' 0" i	19' 0"	17' 3"	15' 1"	21' 4"	19' 4" i	16' 11" i
1000S300-54	50	14' 4" e	12' 5" e	10' 1" e	13' 5" i	10' 10" a	7' 10" a	14' 4" e	12' 5" e	10' 1" e	13' 5" i	10' 10" a	7' 10" a
1000S300-68	50	16' 10" e	14' 7" e	11' 11" e	16' 10" i	14' 7" i	11' 11" a	16' 7" e	14' 7" e	11' 11" e	16' 10" i	14' 7" i	11' 11" a
1000S300-97	50	20' 5"	18' 7"	15' 3" e	21' 7" i	18' 9" i	15' 3" i	18' 7"	16' 10"	14' 9" e	20' 10" i	18' 9" i	15' 3" i
1000S300-118	50	21' 8"	19' 8"	17' 2"	24' 4" i	22' 1" i	18' 3" i	19' 8"	17' 11"	15' 8"	22' 1"	20' 1" i	17' 7" i
1000S350-54	50	15' 11" e	13' 10" e	10' 1" e	12' 11" i	10' 5" a	7' 5" a	15' 11" e	13' 10" e	10' 1" e	12' 11" i	10' 5" a	7' 5" a
1000S350-68	50	18' 8" e	16' 2" e	13' 3" e	18' 5" i	15' 6" a	11' 10" a	17' 5" e	15' 10" e	13' 3" e	18' 5" i	15' 6" a	11' 10" a
1000S350-97	50	21' 5"	19' 6"	16' 10" e	23' 9" i	20' 7" i	16' 6" i	19' 6"	17' 8"	15' 5" e	21' 10" i	19' 10" i	16' 6" i
1000S350-118	50	22' 9"	20' 8"	18' 1"	25' 7" i	23' 3" i	19' 9" i	20' 8"	18' 10"	16' 5"	23' 3"	21' 1" i	18' 5" i
1200S162-54	33	12' 1" e	10' 6" e	8' 4" e	11' 4" a	9' 1" a	6' 7" a	12' 1" e	10' 6" e	8' 4" e	11' 4" a	9' 1" a	6' 7" a
1200S162-54	50	13' 9" e	11' 11" e	8' 4" e	12' 2" a	9' 9" a	6' 8" a	13' 9" e	11' 11" e	8' 4" e	12' 2" a	9' 9" a	6' 8" a
1200S162-68	33	14' 4" e	12' 5" e	10' 2" e	14' 4" a	12' 5" a	10' 1" a	14' 4" e	12' 5" e	10' 2" e	14' 4" a	12' 5" a	10' 1" a
1200S162-68	50	16' 4" e	14' 2" e	11' 7" e	16' 4" i	14' 2" i	11' 2" a	16' 4" e	14' 2" e	11' 7" e	16' 4" i	14' 2" i	11' 2" a
1200S162-97	33	18' 5"	15' 11" e	13' 0" e	18' 5" i	15' 11" i	13' 0" a	18' 5"	15' 11" e	13' 0" e	18' 5" i	15' 11" i	13' 0" a
1200S162-97	50	21' 1"	18' 4"	15' 0" e	21' 2" i	18' 4" i	15' 0" i	19' 2"	17' 5"	15' 0" e	21' 2" i	18' 4" i	15' 0" i
1200S162-118	50	22' 5"	20' 4"	17' 3"	24' 5" i	21' 1" i	17' 2" i	20' 4"	18' 6"	16' 2"	22' 10" i	20' 9" i	17' 2" i
1200S200-54	33	13' 1" e	11' 4" e	8' 4" e	11' 8" a	9' 5" a	6' 8" a	13' 1" e	11' 4" e	8' 4" e	11' 8" a	9' 5" a	6' 8" a
1200S200-54	50	14' 10" e	12' 6" e	8' 4" e	12' 5" a	9' 11" a	6' 8" a	14' 10" e	12' 6" e	8' 4" e	12' 5" a	9' 11" a	6' 8" a
1200S200-68	50	17' 7" e	15' 3" e	12' 5" e	17' 7" i	15' 3" a	11' 6" a	17' 7" e	15' 3" e	12' 5" e	17' 7" i	15' 3" a	11' 6" a
1200S200-68	33	15' 5" e	13' 4" e	10' 11" e	15' 5" a	13' 4" a	10' 6" a	15' 5" e	13' 4" e	10' 11" e	15' 5" a	13' 4" a	10' 6" a
1200S200-97	33	19' 8" e	17' 0" e	13' 11" e	19' 8" i	17' 0" i	13' 11" a	19' 8" e	17' 0" e	13' 11" e	19' 8" i	17' 0" i	13' 11" a
1200S200-97	50	22' 0"	19' 7"	16' 0" e	22' 8" i	19' 7" i	16' 0" i	20' 0"	18' 2" 1	5' 10" e	22' 5" i	19' 7" i	16' 0" i
1200S200-118	50	23' 4"	21' 2"	18' 4"	26' 0" i	22' 6" i	18' 3" i	21' 2"	19' 3"	16' 10"	23' 10" i	21' 8" i	18' 3" i
1200S250-54	33	13' 7" e	11' 9" e	8' 4" e	11' 9" a	9' 5" a	6' 8" a	13' 7" e	11' 9" e	8' 4" e	11' 9" a	9' 5" a	6' 8" a
1200S250-54	50	15' 4" e	12' 6" e	8' 4" e	12' 6" a	10' 0" a	6' 8" a	15' 4" e	12' 6" e	8' 4" e	12' 6" a	10' 0" a	6' 8" a
1200S250-68	33	15' 11" e	13' 10" e	11' 3" e	15' 11" a	13' 10" a	10' 9" a	15' 11" e	13' 10" e	11' 3" e	15' 11" a	13' 10" a	10' 9" a
1200S250-68	50	18' 2" e	15' 9" e	12' 10" e	18' 2" i	15' 6" a	11' 7" a	18' 2" e	15' 9" e	12' 10" e	18' 2" i	15' 6" a	11' 7" a
1200S250-97	33	20' 4" e	17' 8" e	14' 5" e	20' 4" i	17' 8" i	14' 5" a	20' 4" e	17' 8" e	14' 5" e	20' 4" i	17' 8" i	14' 5" a
1200S250-97	50	22' 10"	20' 3"	16' 6" e	23' 5" i	20' 3" i	16' 6" i	20' 9"	18' 10"	16' 6" e	23' 3" i	20' 3" i	16' 6" i
1200S250-118	50	24' 3"	22' 0"	19' 0"	26' 10" i	23' 3" i	19' 0" i	22' 0"	20' 0"	17' 6"	24' 9" i	22' 6" i	19' 0" i
1200S300-54	50	15' 8" e	12' 6" e	8' 4" e	12' 8" a	10' 0" a	6' 8" a	15' 8" e	12' 6" e	8' 4" e	12' 8" a	10' 0" a	6' 8" a
1200S300-68	50	18' 6" e	16' 0" e	13' 1" e	18' 6" i	16' 0" a	11' 10" a	18' 6" e	16' 0" e	13' 1" e	18' 6" i	16' 0" a	11' 10" a
1200S300-97	50	23' 7"	20' 8"	16' 11" e	23' 10" i	20' 8" i	16' 11" i	21' 5"	19' 6"	16' 11" e	23' 10" i	20' 8" i	16' 11" i
1200S300-118	50	25' 1"	22' 9"	19' 11"	28' 2" i	24' 9" i	20' 2" i	22' 9"	20' 8"	18' 1" i	25' 7" i	23' 3" i	20' 2" i
1200S350-54	50	16' 8" e	12' 6" e	8' 4" e	12' 1" a	9' 5" a	6' 6" a	16' 8" e	12' 6" e	8' 4" e	12' 1" a	9' 5" a	6' 6" a
1200S350-68	50	20' 7" e	17' 10" e	14' 7" e	18' 9" i	15' 5" a	11' 5" a	20' 1" e	17' 10" e	14' 7" e	18' 9" i	15' 5" a	11' 5" a
1200S350-97	50	24' 9"	22' 6" e	18' 7" e	26' 3" i	22' 9" i	18' 6" i	22' 6"	20' 5"	17' 10" e	25' 3" i	22' 9" i	18' 6" i
1200S350-118	50	26' 4"	23' 11"	20' 10" e	29' 6" i	26' 10" i	22' 0" i	23' 11"	21' 8"	19' 0" i	26' 10" i	24' 4" i	21' 3" i
1400S162-54	33	12' 10" e	10' 8" e	7' 2" e	10' 10" a	8' 7" a 5'	8" a 12'	10" e	10' 8" e	7' 2" e	10' 10" a	8' 7" a	5' 8" a
1400S162-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S162-68	33	15' 4" e	13' 3" e	10' 10" e	15' 4" a	13' 3" a	9' 11" a	15' 4" e	13' 3" e	10' 10" e	15' 4" a	13' 3" a	9' 11" a

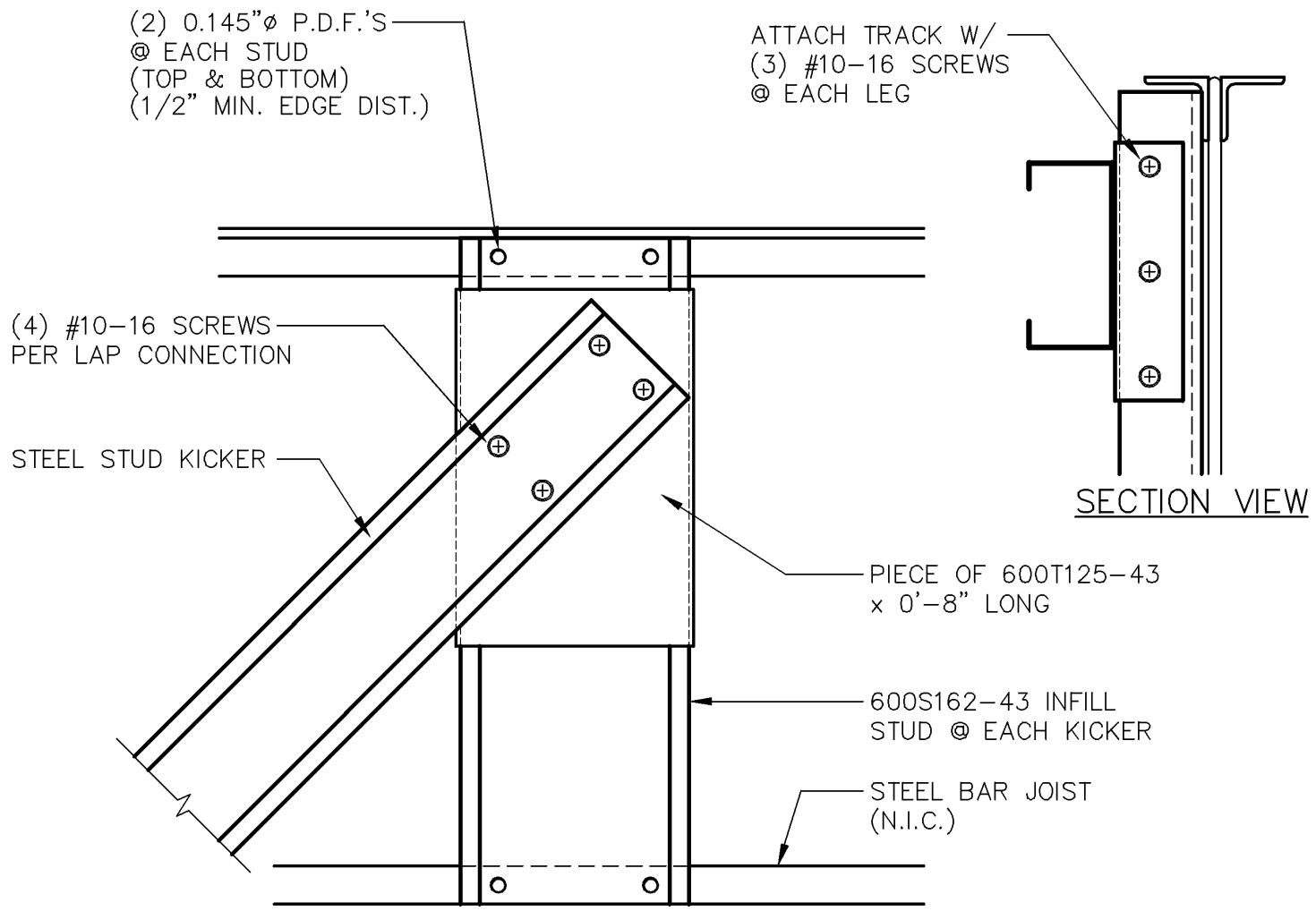
See notes located on page 2

FLOOR JOIST SPAN TABLES - 40 PSF DEAD LOAD AND 125 PSF LIVE LOAD

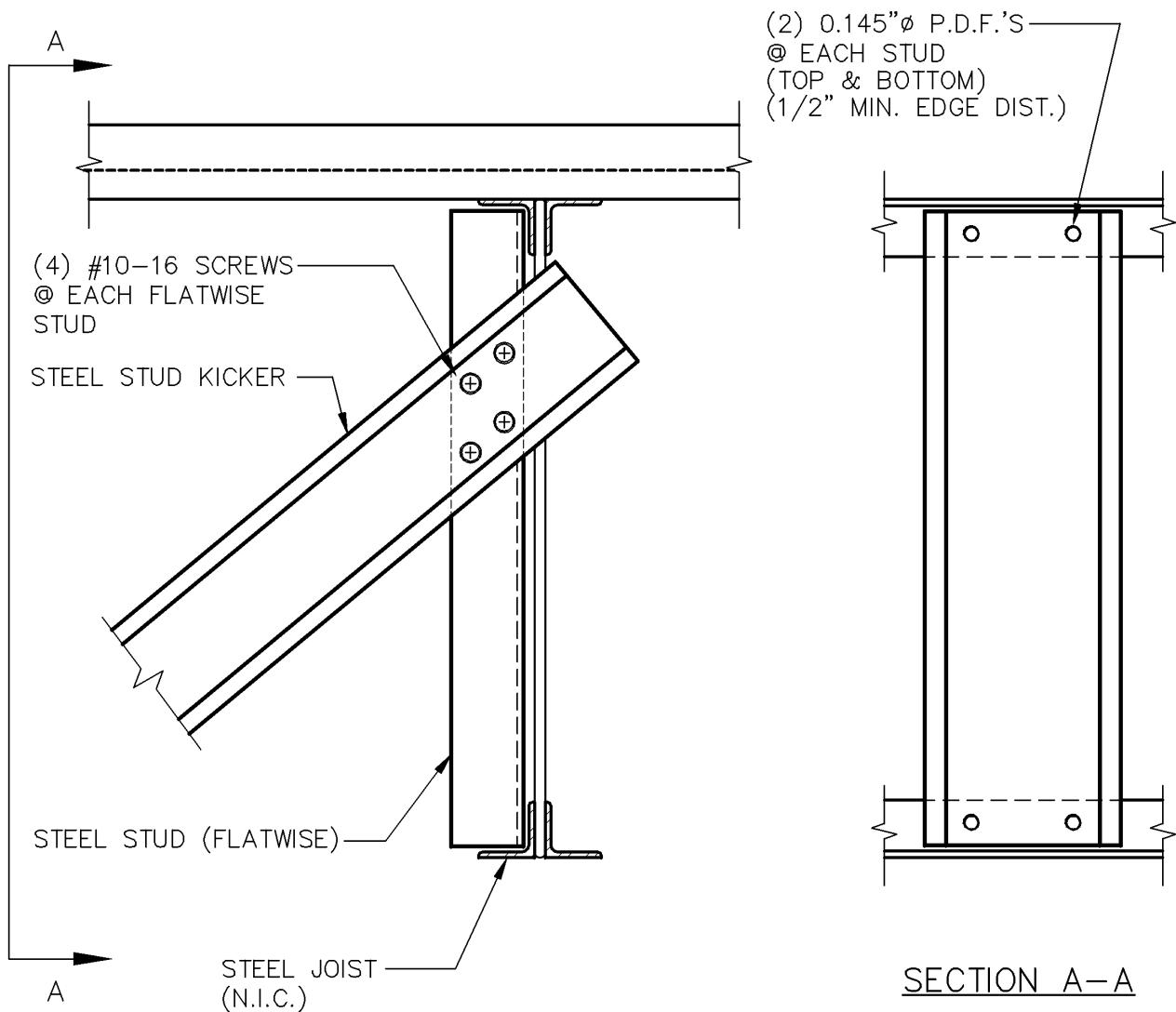
Section	Fy(ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in) 16			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
1400S162-68	50	17' 4" e	15' 0" e	12' 3" e	17' 4" i	14' 7" a	10' 9" a	17' 4" e	15' 0" e	12' 3" e	17' 4" i	14' 7" a	10' 9" a
1400S162-97	33	19' 10" e	17' 2" e	14' 1" e	19' 10" i	17' 2" i	14' 1" a	19' 10" e	17' 2" e	14' 1" e	19' 10" i	17' 2" i	14' 1" a
1400S162-97	50	22' 9"	19' 8"	16' 1" e	22' 9" i	19' 8" i	16' 1" i	21' 10"	19' 8"	16' 1" e	22' 9" i	9' 8" i	16' 1" i
1400S162-118	50	25' 7"	22' 10"	18' 7"	26' 4" i	22' 10" i	18' 7" i	23' 3"	21' 1"	18' 5"	26' 1" i	22' 10" i	18' 7" i
1400S200-54	33	13' 11" e	10' 8" e	7' 2" e	11' 2" a	8' 7" a	5' 8" a	13' 11" e	10' 8" e	7' 2" e	11' 2" a	8' 7" a	5' 8" a
1400S200-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S200-68	33	16' 6" e	14' 4" e	11' 8" e	16' 6" a	13' 9" a	10' 2" a	16' 6" e	14' 4" e	11' 8" e	16' 6" a	13' 9" a	10' 2" a
1400S200-68	50	18' 9" e	16' 3" e	13' 3" e	18' 7" i	15' 0" a	11' 0" a	18' 9" e	16' 3" e	13' 3" e	18' 7" i	15' 0" a	11' 0" a
1400S200-97	33	21' 3" e	18' 5" e	15' 0" e	21' 3" i	18' 5" a	15' 0" a	21' 3" e 1	8' 5" e	15' 0" e	21' 3" i	18' 5" a	15' 0" a
1400S200-97	50	24' 4"	21' 1" e	17' 3" e	24' 4" i	21' 1" i	17' 3" i	22' 8"	20' 7" 1	7' 3" e	24' 4" i	21' 1" i	17' 3" i
1400S200-118	50	26' 7"	24' 2"	19' 11"	28' 1" i	24' 4" i	19' 11" i	24' 2"	21' 11"	19' 2"	27' 1" i	24' 4" i	19' 11" i
1400S250-54	33	14' 3" e	10' 8" e	7' 2" e	11' 2" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 2" a	8' 7" a	5' 8" a
1400S250-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S250-68	33	17' 2" e	14' 10" e	12' 2" e	17' 2" a	14' 1" a	10' 5" a	17' 2" e	14' 10" e	12' 2" e	17' 2" a	14' 1" a	10' 5" a
1400S250-68	50	19' 6" e	16' 10" e	13' 9" e	18' 8" i	15' 1" a	11' 0" a	19' 6" e	16' 10" e	13' 9" e	18' 8" i	15' 1" a	11' 0" a
1400S250-97	33	22' 1" e	19' 1" e	15' 7" e	22' 1" i	19' 1" a	15' 7" a	22' 1" e	19' 1" e	15' 7" e	22' 1" i	19' 1" a	15' 7" a
1400S250-97	50	25' 3"	21' 11" e	17' 10" e	25' 3" i	21' 11" i	17' 10" i	23' 6"	21' 4" e	17' 10" e	25' 3" i	21' 11" i	17' 10" i
1400S250-118	50	27' 6"	25' 0"	20' 7" e	29' 2" i	25' 3" i	20' 7" i	25' 0"	22' 9"	19' 10"	28' 1" i	25' 3" i	20' 7" i
1400S300-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S300-68	50	19' 11" e	17' 3" e	14' 1" e	18' 10" i	15' 2" a	11' 1" a	19' 11" e	17' 3" e	14' 1" e	18' 10" i	15' 2" a	11' 1" a
1400S300-97	50	25' 10" 2	2' 5" e	18' 3" e	25' 10" i	22' 5" i	18' 3" i	24' 3"	22' 0" e	8' 3" e	25' 10" i	22' 5" i	18' 3" i
1400S300-118	50	28' 5"	25' 10"	21' 1" e	29' 10" i	25' 10" i	21' 1" i	25' 10"	23' 6"	20' 6" e	29' 0" i	25' 10" i	21' 1" i
1400S350-54	50	14' 3" e	10' 8" e	7' 2" e	10' 11" a	8' 4" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	10' 11" a	8' 4" a	5' 8" a
1400S350-68	50	22' 3" e	19' 3" e	14' 4" e	18' 5" i	14' 9" a	10' 7" a	22' 3" e	19' 3" e	14' 4" e	18' 5" i	14' 9" a	10' 7" a
1400S350-97	50	28' 0" e	24' 8" e	20' 2" e	28' 6" i	24' 8" i	20' 0" a	25' 5"	23' 1" e	20' 2" e	28' 6" i	24' 8" i	20' 0" a
1400S350-118	50	29' 9"	27' 0"	23' 7" e	33' 5" i	29' 3" i	23' 11" i	27' 0"	24' 7"	21' 5" e	30' 4" i	27' 7" i	23' 11" i
1600S200-68	50	19' 9" e	17' 1" e	12' 6" e	16' 7" a	13' 2" a	9' 4" a	19' 9" e	17' 1" e	12' 6" e	16' 7" a	13' 2" a	9' 4" a
1600S200-97	50	25' 10"	22' 4" e	18' 3" e	25' 10" i	22' 4" i	17' 8" i	25' 2"	22' 4" e	18' 3" e	25' 10" i	22' 4" i	17' 8" i
1600S200-118	50	29' 8"	25' 11"	21' 2" e	29' 11" i	25' 11" i	21' 2" i	27' 1"	24' 7"	21' 2" e	29' 11" i	25' 11" i	21' 2" i
1600S250-68	50	20' 7" e	17' 10" e	12' 6" e	16' 7" a	13' 3" a	9' 4" a	20' 7" e	17' 10" e	12' 6" e	16' 7" a	13' 3" a	9' 4" a
1600S250-97	50	26' 10"	23' 3" e	19' 0" e	26' 10" i	23' 2" i	18' 2" i	26' 1"	23' 3" e	19' 0" e	26' 10" i	23' 2" i	18' 2" i
1600S250-118	50	30' 8"	27' 0"	22' 0" e	31' 2" i	27' 0" i	22' 0" i	28' 0"	25' 5"	22' 0" e	31' 2" i	27' 0" i	22' 0" i
1600S300-68	50	21' 2" e	18' 4" e	12' 6" e	16' 9" a	13' 4" a	9' 5" a	21' 2" e	18' 4" e	12' 6" e	16' 9" a	13' 4" a	9' 5" a
1600S300-97	50	27' 7" e	23' 11" e	19' 6" e	27' 7" i	23' 9" i	18' 7" a	26' 11"	23' 11" e	19' 6" e	27' 7" i	23' 9" i	18' 7" a
1600S300-118	50	31' 8"	27' 8"	22' 7" e	32' 0" i	27' 8" i	22' 7" i	28' 10"	26' 2"	22' 7" e	32' 0" i	27' 8" i	22' 7" i
1600S350-68	50	23' 8" e	18' 9" e	12' 6" e	17' 6" a	13' 9" a	9' 7" a	23' 8" e	18' 9" e	12' 6" e	17' 6" a	13' 9" a	9' 7" a
1600S350-97	50	30' 6" e	26' 5" e	21' 7" e	29' 7" i	25' 0" i	19' 6" a	28' 2" e	25' 6" e	21' 7" e	29' 7" i	25' 0" i	19' 6" a
1600S350-118	50	33' 1"	30' 0" e	24' 10" e	35' 1" i	30' 5" i	24' 8" i	30' 1"	27' 4"	23' 10" e	33' 9" i	30' 5" i	24' 8" i

See notes located on page 2

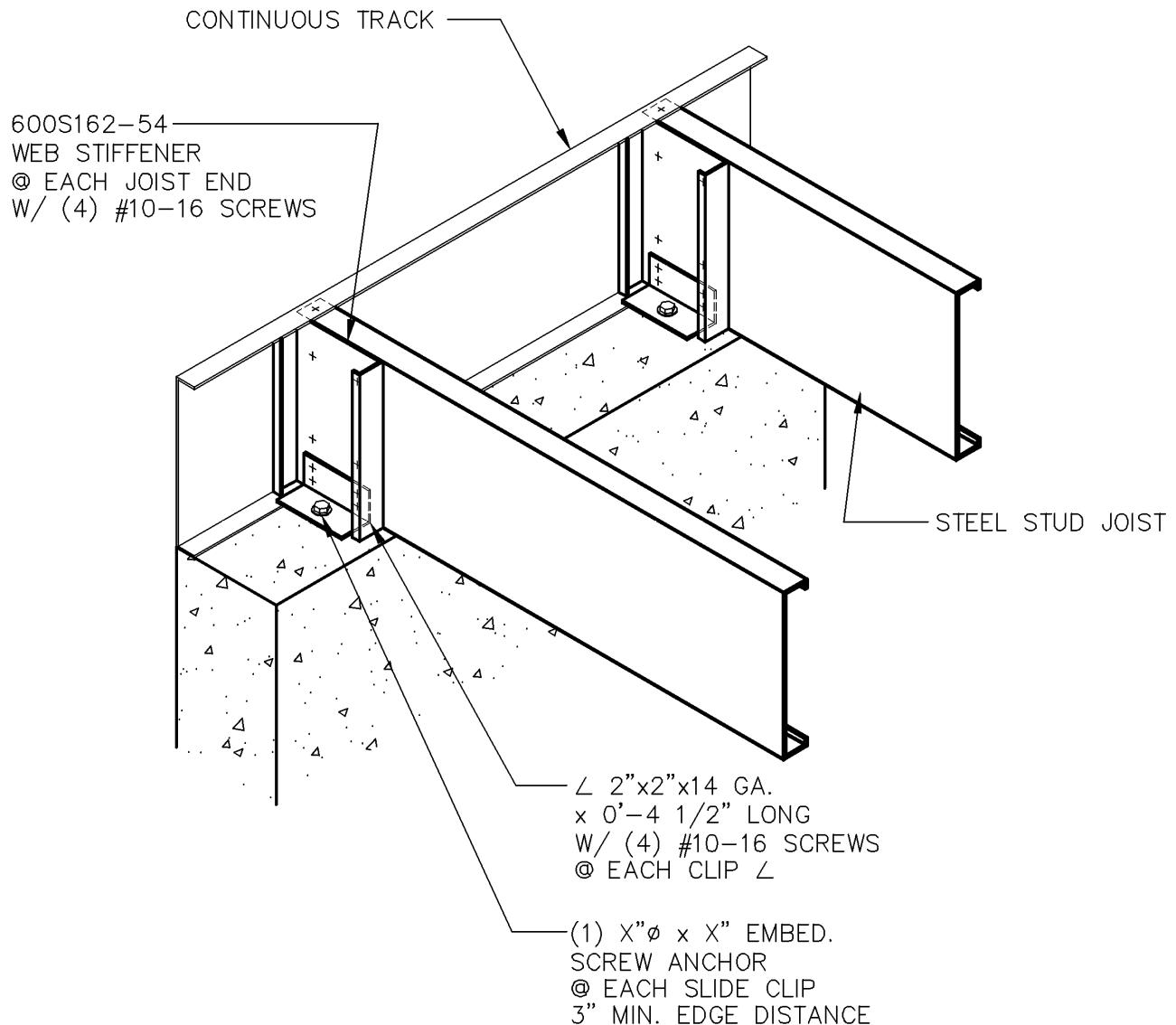
KICKER CONNECTION AT STEEL JOIST (PARELLEL)



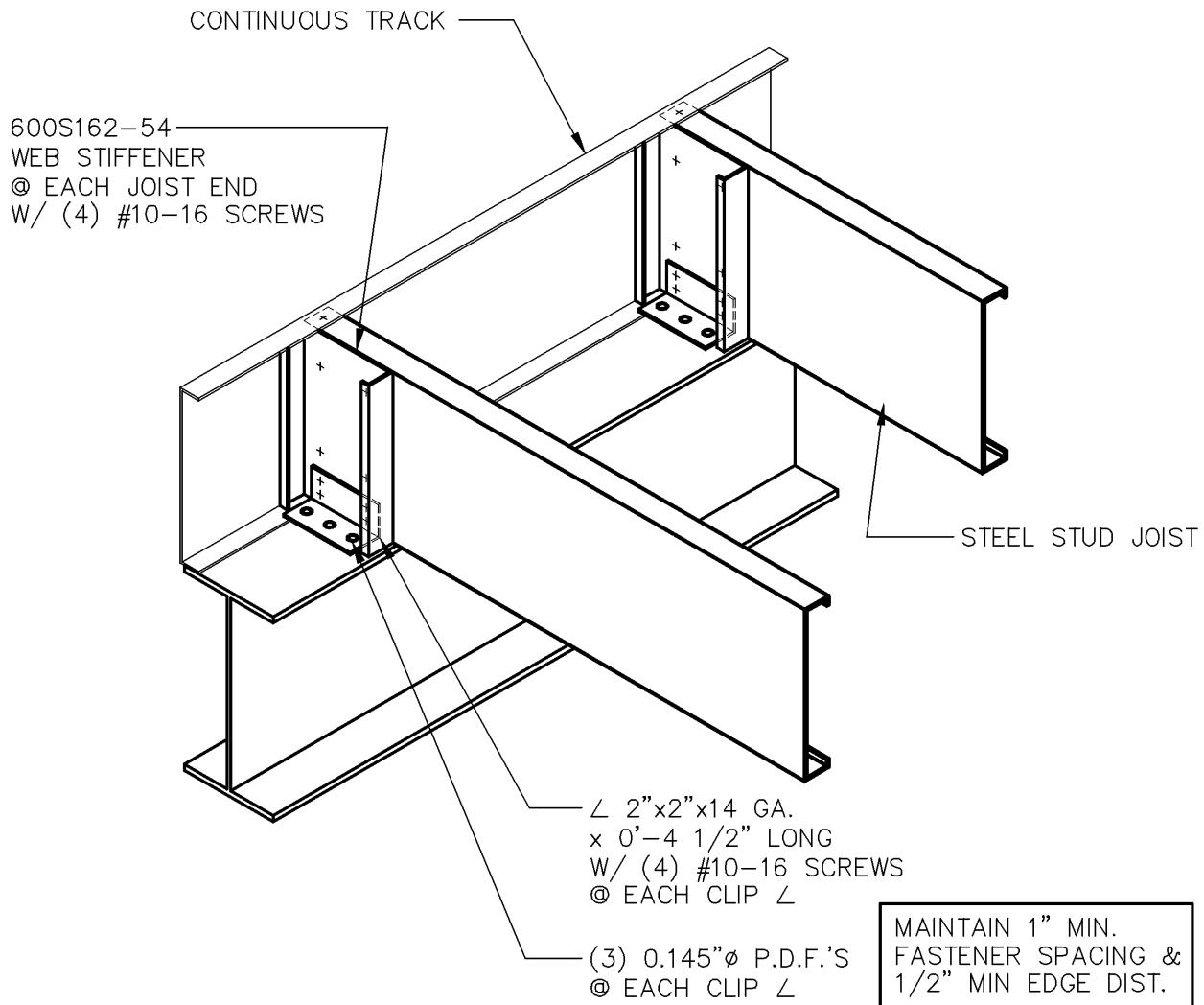
KICKER CONNECTION AT STEEL JOIST (PERPENDICULAR)



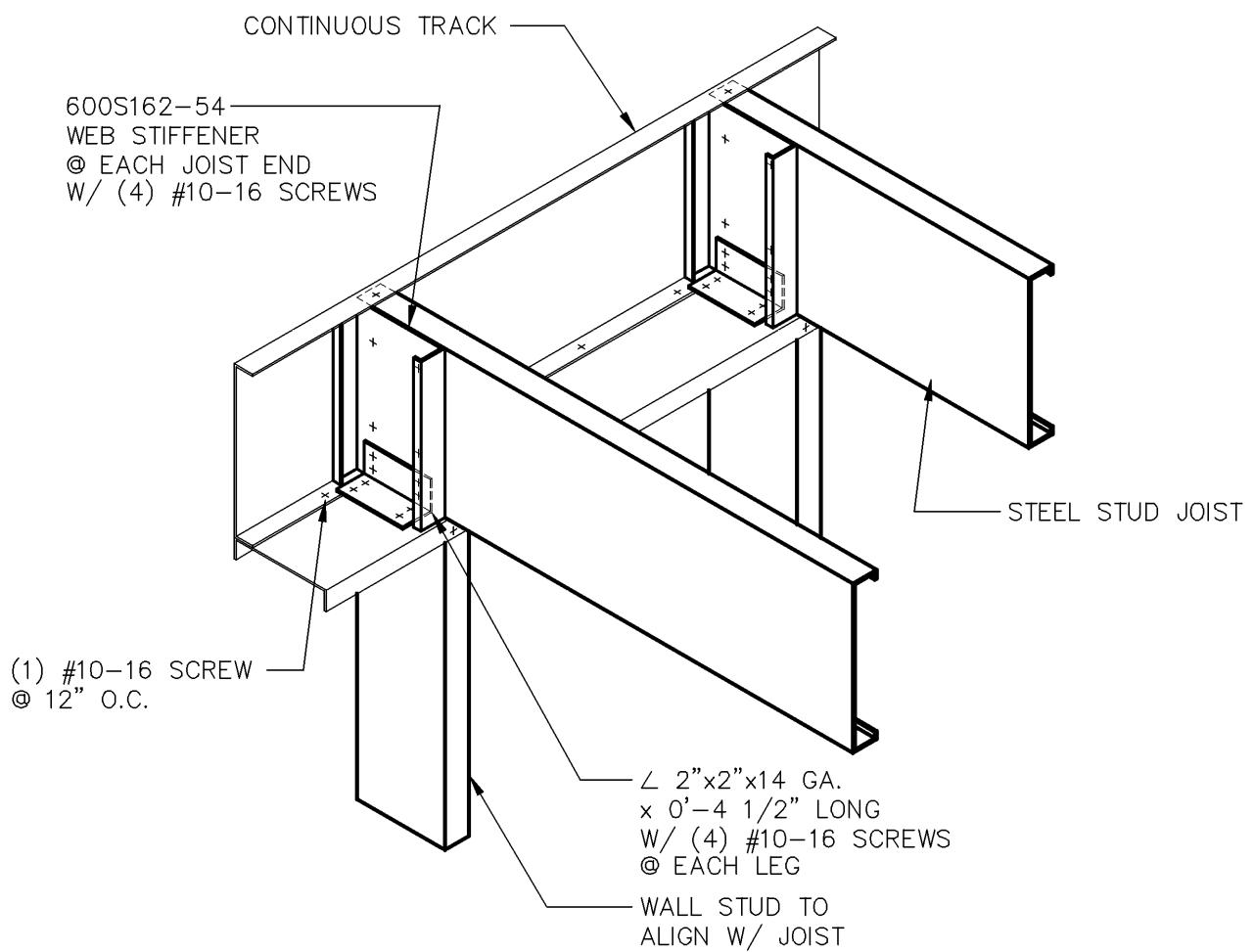
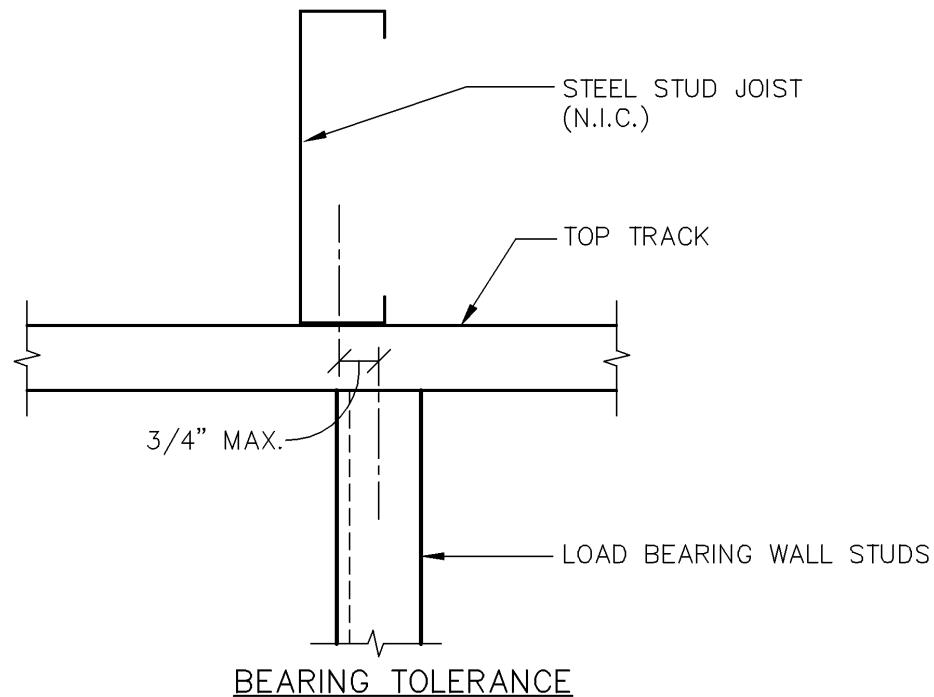
JOIST BEARING DETAIL (CONCRETE)



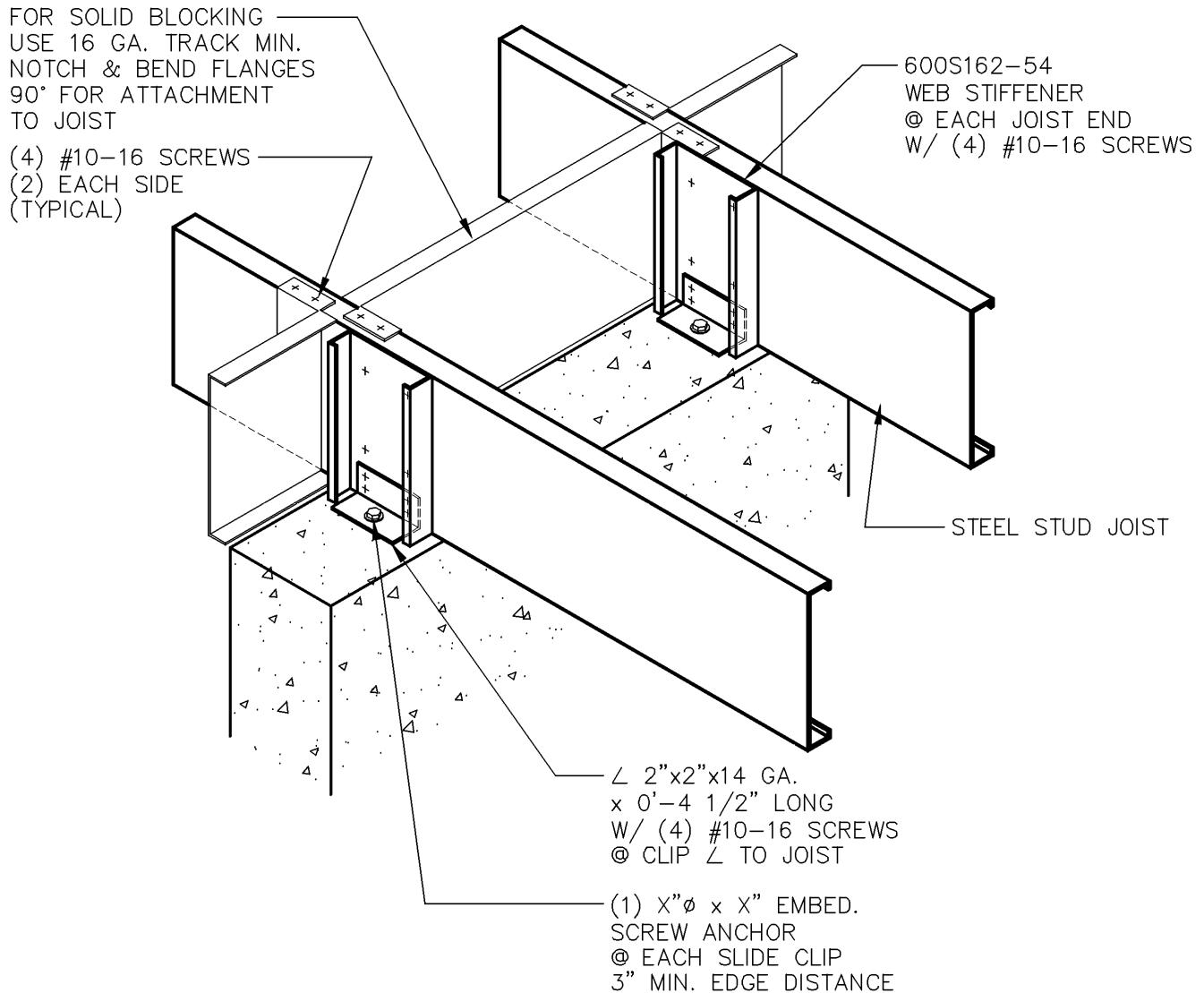
JOIST BEARING DETAIL (STEEL)



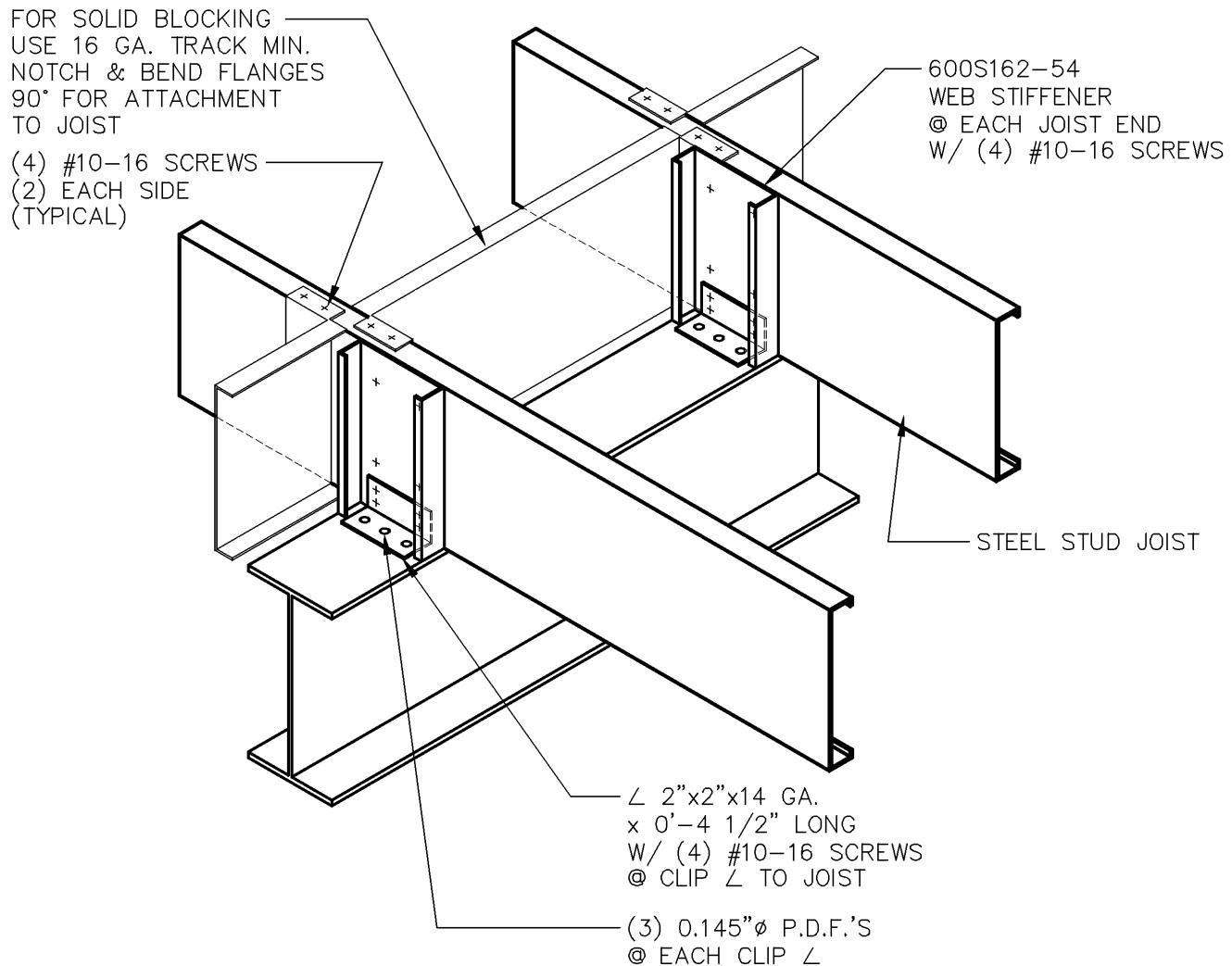
JOIST BEARING DETAIL (STUD WALL)



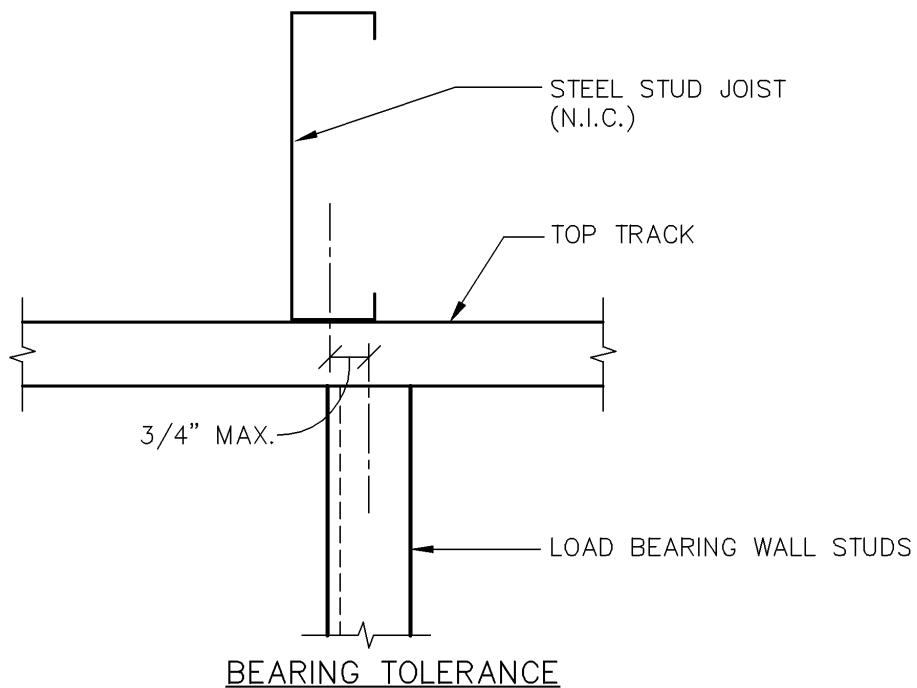
JOIST BEARING DETAIL (CONCRETE)



JOIST BEARING DETAIL (STEEL)



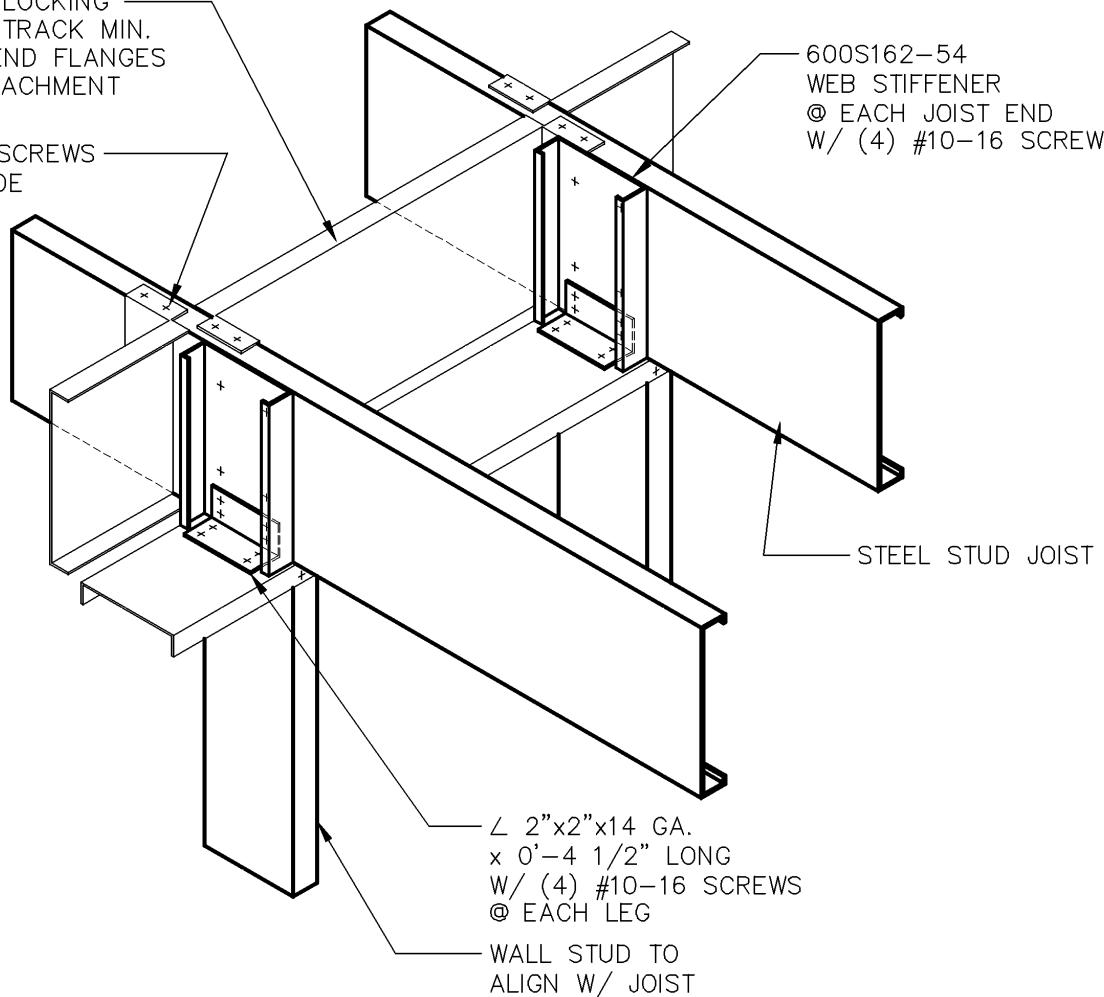
JOIST BEARING DETAIL (STUD WALL)



FOR SOLID BLOCKING
USE 16 GA. TRACK MIN.
NOTCH & BEND FLANGES
90° FOR ATTACHMENT
TO JOIST

(4) #10-16 SCREWS
(2) EACH SIDE
(TYPICAL)

600S162-54
WEB STIFFENER
@ EACH JOIST END
W/ (4) #10-16 SCREWS



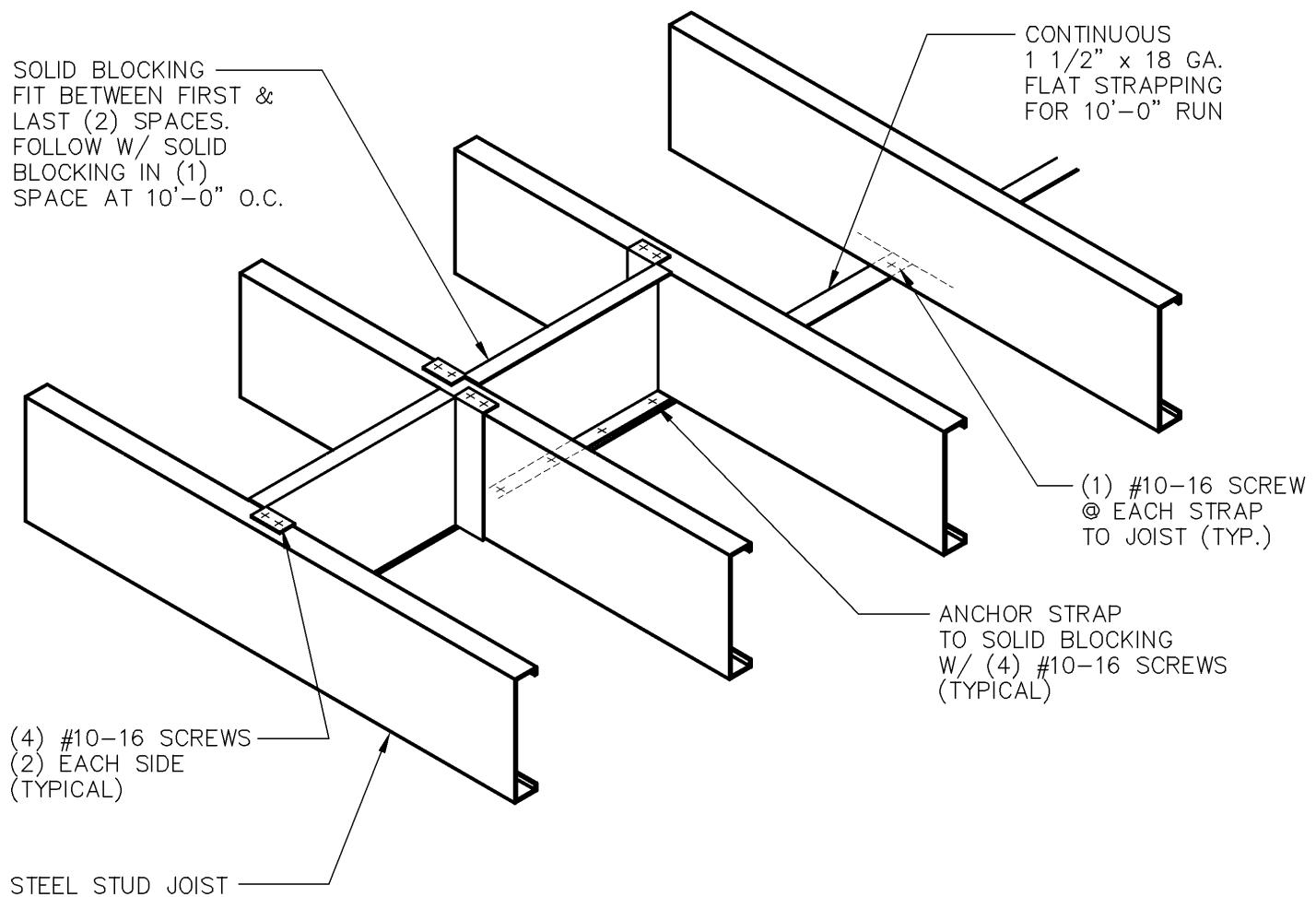
JOIST BRIDGE DETAIL

NOTE:

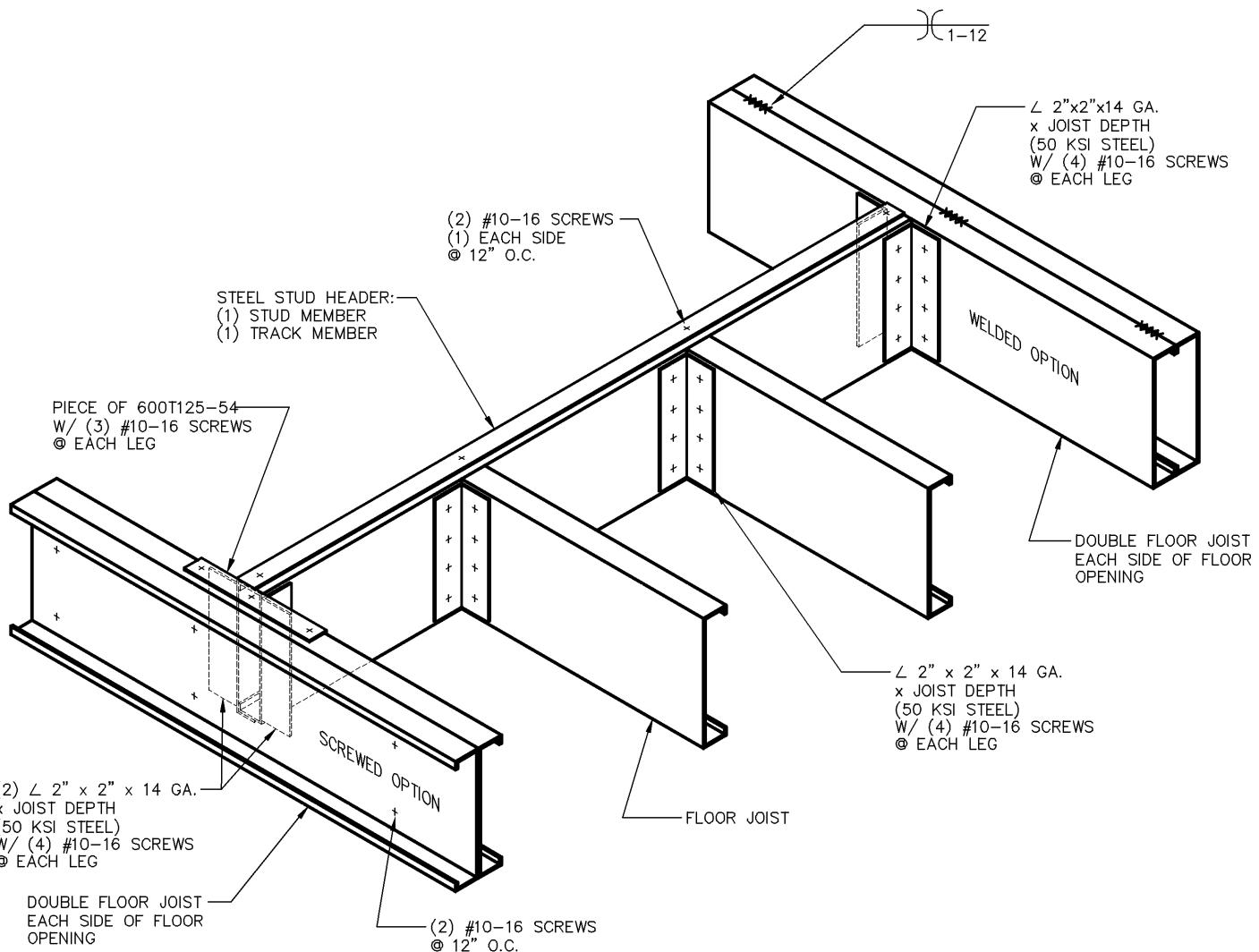
FOR SOLID BLOCKING
USE 16 GA. TRACK MIN.
NOTCH & BEND FLANGES
90° FOR ATTACHMENT
TO JOIST

NOTE:

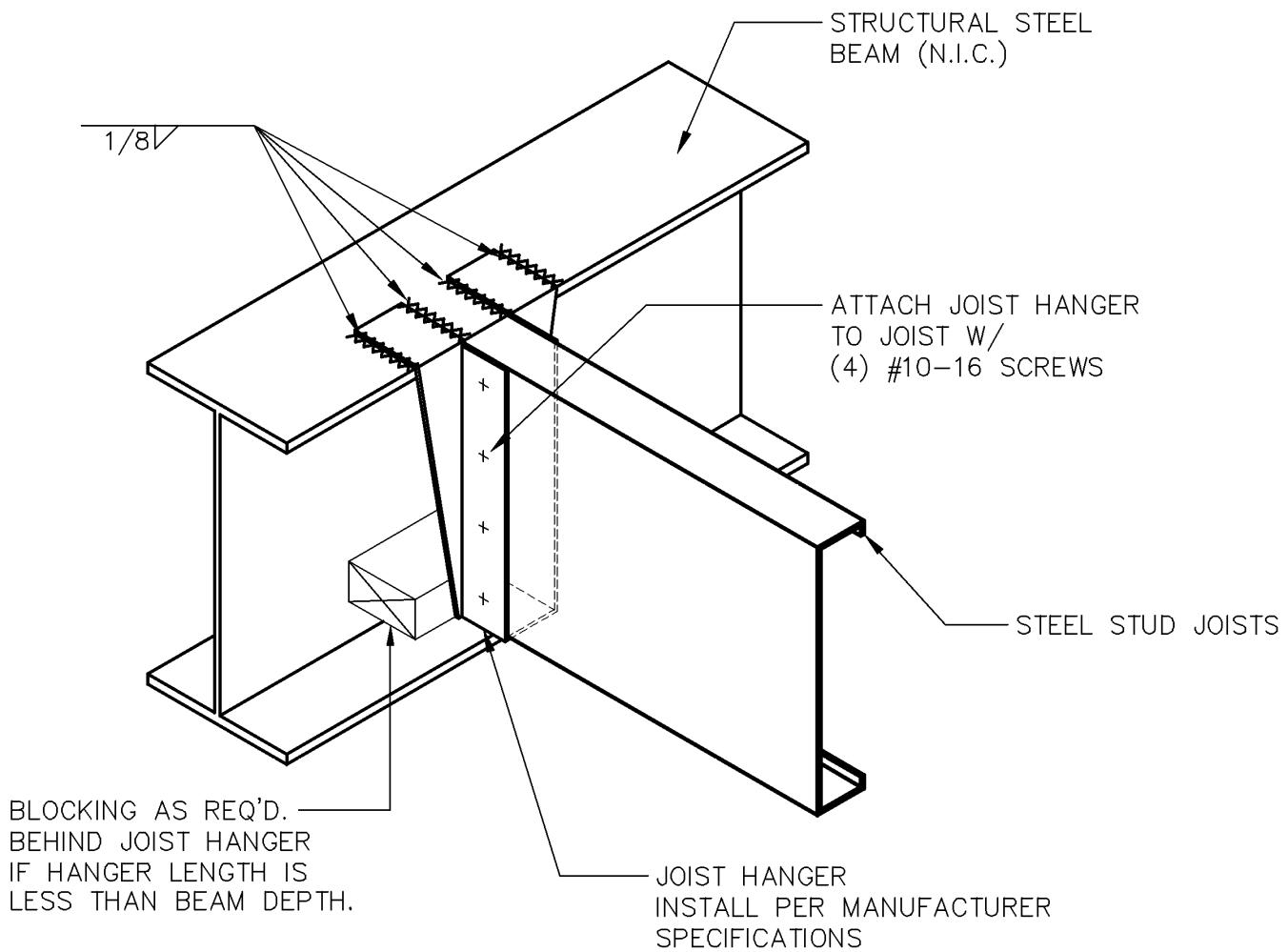
IF SHEATHING IS NOT INSTALLED
ON MEMBERS, STRAPPING IS
REQ'D. ON BOTH FLANGES



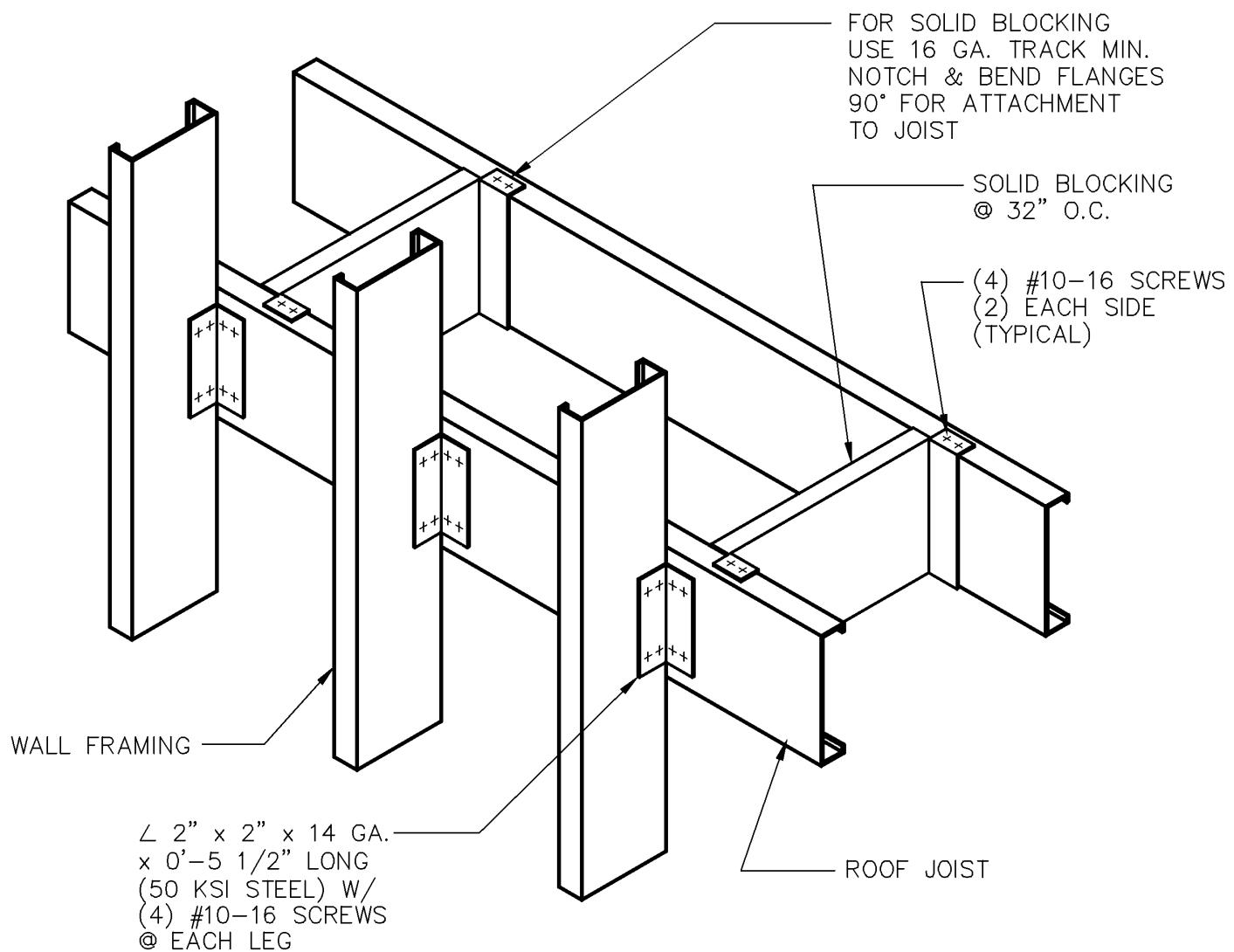
FLOOR JOIST OPENING DETAIL



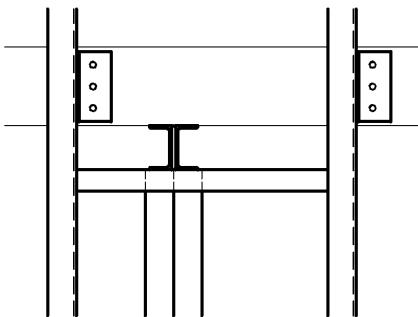
JOIST HANGER DETAILS



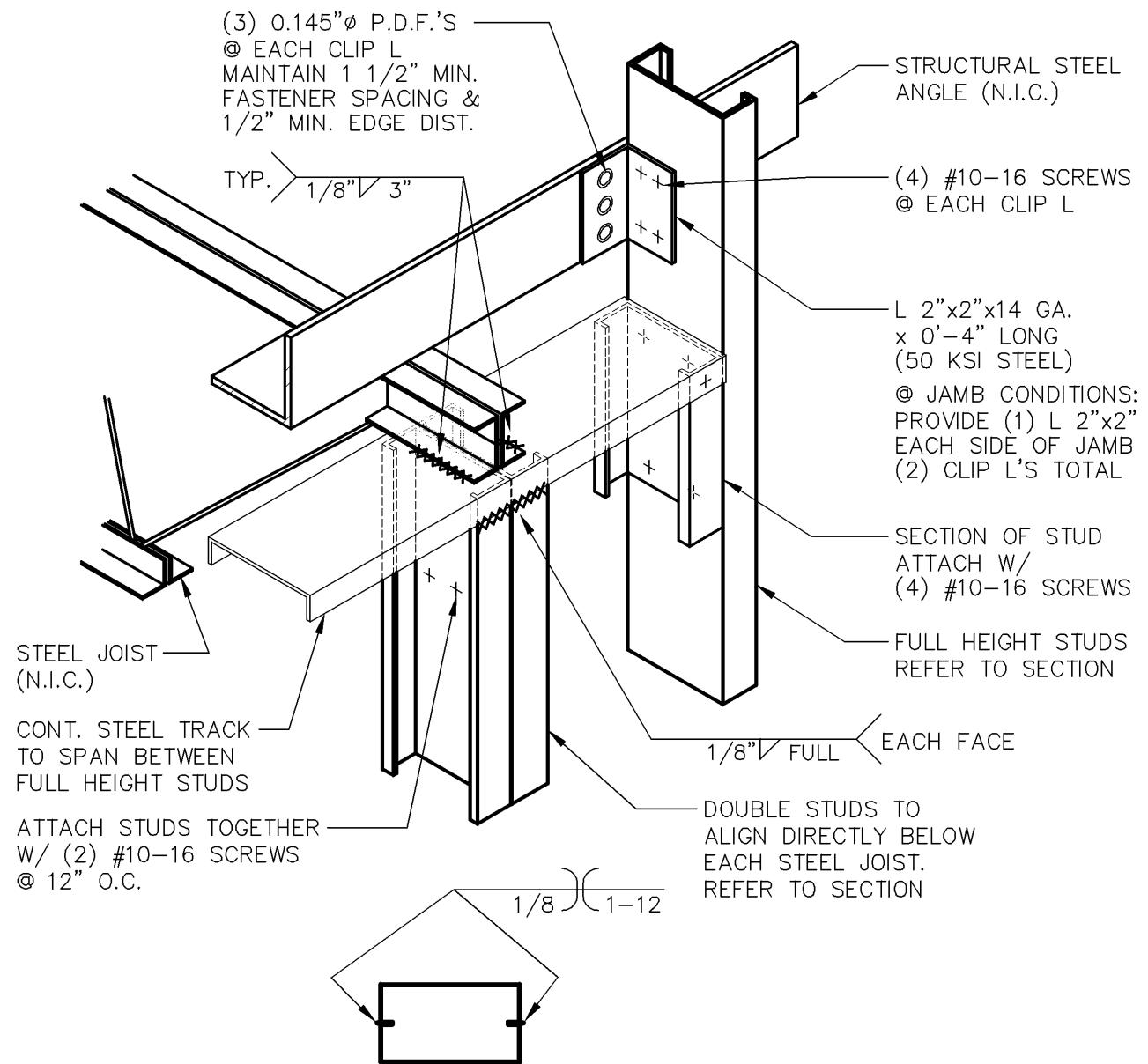
JOIST - WALL FRAMING DETAIL



JOIST BEARING DETAIL



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Fax: 870-563-2471
Toll Free: 888-711-3124

WINDSOR PLANT
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Windsor, CT 06095
Phone: 860-731-7975
Fax: None
Toll Free: 866-372-6384