

Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

15 psf Dead Load and 100 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	7-7 e	6-7 e	5-4 e	7-7 a	6-5 a	4-3 a	7-7 e	6-7 e	5-4 e	7-7 a	6-5 a	4-3 a
600S162-33	33	8-0 e	7-0 e	5-4 e	8-0 a	6-5 a	4-3 a	8-0 e	7-0 e	5-4 e	8-0 a	6-5 a	4-3 a
600S200-33	33	8-2 e	7-1 e	5-4 e	8-2 a	6-5 a	4-3 a	8-2 e	7-1 e	5-4 e	8-2 a	6-5 a	4-3 a
600S137-43	33	8-9 e	7-7 e	6-2 e	8-9 i	7-7 a	6-2 a	8-8 e	7-7 e	6-2 e	8-9 i	7-7 a	6-2 a
600S162-43	33	9-4 e	8-1 e	6-7 e	9-4 i	8-1 a	6-7 a	9-1 e	8-1 e	6-7 e	9-4 i	8-1 a	6-7 a
600S200-43	33	9-5 e	8-1 e	6-8 e	9-5 i	8-1 a	6-8 a	9-5 e	8-1 e	6-8 e	9-5 i	8-1 a	6-8 a
600S250-43	33	10-2 e	8-10 e	7-2 e	10-2 a	8-10 a	7-2 a	10-0 e	8-10 e	7-2 e	10-2 a	8-10 a	7-2 a
600S300-43	33	10-9 e	9-4 e	7-7 e	10-9 a	9-4 a	7-7 a	10-5 e	9-4 e	7-7 e	10-9 a	9-4 a	7-7 a
600S137-54	33	9-9	8-5	6-11 e	9-9 i	8-5 i	6-11 i	9-4	8-5	6-11 e	9-9 i	8-5 i	6-11 i
600S137-54	50	10-3	9-4	8-2 e	11-6 i	10-3 i	8-4 i	9-4	8-6	7-5	10-6 i	9-6 i	8-4 i
600S162-54	33	10-5	9-0 e	7-4 e	10-5 i	9-0 i	7-4 i	9-9	8-10 e	7-4 e	10-5 i	9-0 i	7-4 i
600S162-54	50	10-9	9-9	8-6 e	12-1 i	10-11 i	8-11 i	9-9	8-10	7-9 e	10-11 i	9-11 i	8-8 i
600S200-54	33	10-10	9-5 e	7-8 e	10-10 i	9-5 i	7-8 i	10-2	9-3 e	7-8 e	10-10 i	9-5 i	7-8 i
600S200-54	50	11-2	10-2	8-10 e	12-7 i	10-11 i	8-11 i	10-2	9-3	8-1 e	11-5 i	10-4 i	8-11 i
600S250-54	33	11-6	9-11 e	8-1 e	11-6 i	9-11 i	8-1 a	10-9	9-9 e	8-1 e	11-6 i	9-11 i	8-1 a
600S250-54	50	11-9	10-8	9-4 e	13-2 i	11-9 i	9-7 i	10-8	9-8	8-6 e	12-0 i	10-11 i	9-6 i
600S300-54	33	12-2 e	10-6 e	8-7 e	12-2 i	10-6 i	8-7 a	11-3	10-3 e	8-7 e	12-2 i	10-6 i	8-7 a
600S300-54	50	12-3	11-1	9-8 e	13-9 i	12-5 i	10-1 a	11-1	10-1	8-10 e	12-6 i	11-4 i	9-11 i
600S137-68	33	10-10	9-5	7-8	10-10	9-5 i	7-8 i	10-0	9-1	7-8	10-10	9-5 i	7-8 i
600S137-68	50	11-0	10-0	8-9	12-5	11-3	9-5 i	10-0	9-1	7-11	11-3	10-3	8-11 i
600S162-68	33	11-6	10-0	8-2	11-7	10-0 i	8-2 i	10-6	9-6	8-2	11-7	10-0 i	8-2 i
600S162-68	50	11-6	10-6	9-2	12-11	11-9	10-1 i	10-6	9-6	8-4	11-9	10-8	9-4 i
600S200-68	33	12-0	10-8	8-8	12-4 i	10-8 i	8-8 i	10-11	9-11	8-8	12-3 i	10-8 i	8-8 i
600S200-68	50	12-0	10-11	9-6	13-6	12-3 i	10-5 i	10-11	9-11	8-8	12-3	11-2	9-9 i
600S250-68	33	12-8	11-5	9-4	13-2 i	11-5 i	9-4 i	11-7	10-6	9-2	13-0 i	11-5 i	9-4 i
600S250-68	50	12-8	11-7	10-1	14-3	13-0 i	10-9 i	11-7	10-6	9-2	13-0	11-9	10-3 i
600S300-68	33	13-4	11-10	9-8 e	13-8 i	11-10 i	9-8 i	12-1	11-0	9-7 e	13-7 i	11-10 i	9-8 i
600S300-68	50	13-3	12-1	10-6	14-11	13-7 i	11-6 i	12-1	10-11	9-7	13-7	12-4 i	10-9 i
600S162-97	33	12-10	11-8	9-7	13-7	11-10	9-7	11-8	10-7	9-3	13-1	11-10	9-7
600S162-97	50	12-10	11-8	10-2	14-5	13-1	11-5	11-8	10-7	9-3	13-1	11-11	10-5
600S200-97	33	13-5	12-2	10-3	14-6	12-7	10-3	12-2	11-1	9-8	13-8	12-5	10-3
600S200-97	50	13-5	12-2	10-8	15-1	13-8	11-11	12-2	11-1	9-8	13-8	12-5	10-10
600S250-97	33	14-2	12-11	11-2	15-10	13-8	11-2	12-11	11-8	10-3	14-6	13-2	11-2
600S250-97	50	14-2	12-11	11-3	15-11	14-6	12-8	12-11	11-8	10-3	14-6	13-2	11-6
600S300-97	33	14-11	13-6	11-10	16-9	14-8	11-11	13-6	12-3	10-9	15-2	13-10	11-11
600S300-97	50	14-11	13-6	11-10	16-9	15-2	13-3	13-6	12-3	10-9	15-2	13-10	12-1

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- "e" requires web stiffeners at end supports
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15 psf Dead Load and 100 psf Live Load													
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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a
800S162-33	33	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a
800S200-33	33	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a	7-11 e	5-11 e	3-11 e	6-4 a	4-9 a	3-2 a
800S137-43	33	10-10 e	9-4 e	7-8 e	10-10 a	9-4 a	7-0 a	10-10 e	9-4 e	7-8 e	10-10 a	9-4 a	7-0 a
800S162-43	33	11-5 e	9-11 e	8-1 e	11-5 a	9-11 a	7-0 a	11-5 e	9-11 e	8-1 e	11-5 a	9-11 a	7-0 a
800S200-43	33	11-4 e	9-10 e	8-0 e	11-4 a	9-10 a	7-0 a	11-4 e	9-10 e	8-0 e	11-4 a	9-10 a	7-0 a
800S250-43	33	12-2 e	10-6 e	8-7 e	12-2 a	10-6 a	7-0 a	12-2 e	10-6 e	8-7 e	12-2 a	10-6 a	7-0 a
800S300-43	33	12-10 e	11-1 e	8-9 e	12-10 a	10-6 a	7-0 a	12-10 e	11-1 e	8-9 e	12-10 a	10-6 a	7-0 a
800S137-54	33	12-0 e	10-5 e	8-6 e	12-0 i	10-5 i	8-6 a	11-10 e	10-5 e	8-6 e	12-0 i	10-5 i	8-6 a
800S137-54	50	13-0	11-10 e	10-4 e	14-7 i	12-8 i	10-4 a	11-10	10-9 e	9-5 e	13-3 i	12-1 i	10-4 a
800S162-54	33	12-9 e	11-1 e	9-0 e	12-9 i	11-1 a	9-0 a	12-3 e	11-1 e	9-0 e	12-9 i	11-1 a	9-0 a
800S162-54	50	13-6	12-3 e	10-9 e	15-2 i	13-5 i	11-0 a	12-3	11-2 e	9-9 e	13-10 i	12-6 i	10-11 a
800S200-54	33	13-3 e	11-6 e	9-4 e	13-3 i	11-6 a	9-4 a	12-9 e	11-6 e	9-4 e	13-3 i	11-6 a	9-4 a
800S200-54	50	14-1 e	12-9 e	10-9 e	15-3 i	13-3 i	10-9 a	12-9	11-7 e	10-1 e	14-4 i	13-0 i	10-9 a
800S250-54	33	13-11 e	12-1 e	9-10 e	13-11 i	12-1 a	9-10 a	13-5 e	12-1 e	9-10 e	13-11 i	12-1 a	9-10 a
800S250-54	50	14-9 e	13-4 e	11-6 e	16-3 i	14-1 a	11-6 a	13-4	12-2 e	10-7 e	15-0 i	13-8 i	11-6 a
800S300-54	33	14-9 e	12-9 e	10-5 e	14-9 a	12-9 a	10-5 a	14-0 e	12-9 e	10-5 e	14-9 a	12-9 a	10-5 a
800S300-54	50	15-3 e	13-11 e	12-0 e	17-0 i	14-8 a	12-0 a	13-11 e	12-7 e	11-0 e	15-7 i	14-2 a	12-0 a
800S137-68	33	13-5	11-7	9-6 e	13-5 i	11-7 i	9-6 i	12-9	11-7	9-6 e	13-5 i	11-7 i	9-6 i
800S137-68	50	14-0	12-9	11-1	15-9 i	14-3 i	11-8 i	12-9	11-7	10-1	14-3	13-0 i	11-4 i
800S162-68	33	14-3	12-4	10-1 e	14-3 i	12-4 i	10-1 i	13-3	12-0	10-1 e	14-3 i	12-4 i	10-1 i
800S162-68	50	14-7	13-3	11-7 e	16-4 i	14-10 i	12-5 i	13-3	12-0	10-6	14-10	13-6 i	11-9 i
800S200-68	33	15-0	13-0	10-7 e	15-0 i	13-0 i	10-7 i	13-9	12-6	10-7 e	15-0 i	13-0 i	10-7 i
800S200-68	50	15-1	13-9	12-0 e	17-0 i	15-5 i	12-9 i	13-9	12-6	10-11	15-5	14-0 i	12-3 i
800S250-68	33	15-11	13-10 e	11-4 e	16-0 i	13-10 i	11-4 i	14-5	13-2	11-4 e	16-0 i	13-10 i	11-4 i
800S250-68	50	15-11	14-5	12-7 e	17-10 i	16-1 i	13-2 i	14-5	13-2	11-6 e	16-3 i	14-9 i	12-10 i
800S300-68	33	16-7	14-4 e	11-8 e	16-7 i	14-4 i	11-8 i	15-1	13-9 e	11-8 e	16-7 i	14-4 i	11-8 i
800S300-68	50	16-7	15-1	13-2 e	18-7 i	16-11 i	13-11 i	15-1	13-8	11-11 e	16-11 i	15-4 i	13-5 i
800S162-97	33	16-3	14-6	11-10	16-9	14-6	11-10 i	14-9	13-5	11-8	16-7	14-6	11-10 i
800S162-97	50	16-3	14-9	12-11	18-3	16-7	14-6	14-9	13-5	11-8	16-7	15-1	13-2
800S200-97	33	16-10	15-4	12-7	17-9	15-5	12-7 i	15-4	13-11	12-2	17-3	15-5	12-7 i
800S200-97	50	16-10	15-4	13-5	18-11	17-3	15-0	15-4	13-11	12-2	17-3	15-8	13-8
800S250-97	33	17-9	16-2	13-7	19-3	16-8	13-7 i	16-2	14-8	12-10	18-2	16-6	13-7 i
800S250-97	50	17-9	16-2	14-1	20-0	16-2	15-10 i	16-2	14-8	12-10	18-2	16-6	14-5
800S300-97	33	18-7	16-11	14-5	20-5	17-8 i	14-5 i	16-11	15-4	13-5	19-0	17-3	14-5 i
800S300-97	50	18-7	16-11	14-9	20-11	19-0	16-7 i	16-11	15-4	13-5	19-0	17-3	15-1

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notes:

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15 psf Dead Load and 100 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a
925S162-33	33	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a
925S200-33	33	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a	6-10 e	5-1 e	3-5 e	5-5 a	4-1 a	2-8 a
925S137-43	33	11-6 e	10-0 e	7-7 e	11-6 a	9-1 a	6-0 a	11-6 e	10-0 e	7-7 e	11-6 a	9-1 a	6-0 a
925S162-43	33	12-3 e	10-7 e	7-7 e	12-1 a	9-1 a	6-0 a	12-3 e	10-7 e	7-7 e	12-1 a	9-1 a	6-0 a
925S200-43	33	12-1 e	10-5 e	7-7 e	12-1 a	9-1 a	6-0 a	12-1 e	10-5 e	7-7 e	12-1 a	9-1 a	6-0 a
925S250-43	33	13-0 e	11-3 e	7-7 e	12-1 a	9-1 a	6-0 a	13-0 e	11-3 e	7-7 e	12-1 a	9-1 a	6-0 a
925S300-43	33	13-9 e	11-4 e	7-7 e	12-1 a	9-1 a	6-0 a	13-9 e	11-4 e	7-7 e	12-1 a	9-1 a	6-0 a
925S137-54	33	13-5 e	11-8 e	9-6 e	13-5 i	11-8 a	9-6 a	13-4 e	11-8 e	9-6 e	13-5 i	11-8 a	9-6 a
925S137-54	50	14-8 e	13-4 e	11-1 e	15-8 i	13-7 a	11-1 a	13-4 e	12-2 e	10-7 e	15-0 i	13-7 a	11-1 a
925S162-54	33	14-2 e	12-3 e	10-0 e	14-2 a	12-3 a	10-0 a	13-10 e	12-3 e	10-0 e	14-2 a	12-3 a	10-0 a
925S162-54	50	15-3 e	13-10 e	11-9 e	16-7 i	14-5 a	11-9 a	13-10 e	12-7 e	11-0 e	15-7 i	14-2 a	11-9 a
925S200-54	33	14-9 e	12-9 e	10-5 e	14-9 a	12-9 a	10-5 a	14-4 e	12-9 e	10-5 e	14-9 a	12-9 a	10-5 a
925S200-54	50	15-9 e	14-1 e	11-6 e	16-4 i	14-1 a	11-6 a	14-4 e	13-0 e	11-4 e	16-1 i	14-1 a	11-6 a
925S250-54	33	15-5 e	13-4 e	10-11 e	15-5 a	13-4 a	10-11 a	15-1 e	13-4 e	10-11 e	15-5 a	13-4 a	10-11 a
925S250-54	50	16-7 e	15-0 e	12-3 e	17-4 a	15-0 a	12-0 a	15-0 e	13-8 e	11-11 e	16-11 i	15-0 a	12-0 a
925S300-54	33	16-3 e	14-1 e	11-6 e	16-3 a	14-1 a	11-6 a	15-9 e	14-1 e	11-6 e	16-3 a	14-1 a	11-6 a
925S300-54	50	17-2 e	15-7 e	12-10 e	18-3 a	15-9 a	12-0 a	15-7 e	14-2 e	12-4 e	17-6 a	15-9 a	12-0 a
925S137-68	33	15-0	13-0 e	10-7 e	15-0 i	13-0 i	10-7 i	14-4	13-0 e	10-7 e	15-0 i	13-0 i	10-7 i
925S137-68	50	15-10	14-4	12-7 e	17-9 i	16-0 i	13-0 i	14-4	13-1	11-5 e	16-2 i	14-8 i	12-10 i
925S162-68	33	15-10	13-9 e	11-2 e	15-10 i	13-9 i	11-2 i	14-11	13-6 e	11-2 e	15-10 i	13-9 i	11-2 i
925S162-68	50	16-5	14-11	13-0 e	18-5 i	16-9 i	13-9 i	14-11	13-6	11-10 e	16-9 i	15-2 i	13-3 i
925S200-68	33	16-8	14-5 e	11-9 e	16-8 i	14-5 i	11-9 a	15-5	14-0 e	11-9 e	16-8 i	14-5 i	11-9 a
925S200-68	50	17-0	15-5	13-6 e	19-1 i	17-4 i	14-2 i	15-5	14-0	12-3 e	17-4 i	15-9 i	13-9 i
925S250-68	33	17-8 e	15-4 e	12-6 e	17-8 i	15-4 i	12-6 a	16-3	14-9 e	12-6 e	17-8 i	15-4 i	12-6 a
925S250-68	50	17-10	16-3	14-2 e	20-1 i	17-10 i	14-7 a	16-3	14-9	12-10 e	18-3 i	16-6 i	14-5 i
925S300-68	33	18-3 e	15-10 e	12-11 e	18-3 i	15-10 i	12-11 a	16-11	15-4 e	12-11 e	18-3 i	15-10 i	12-11 a
925S300-68	50	18-7	16-10 e	14-9 e	20-10 i	18-11 i	15-5 a	16-10	15-4	13-4 e	18-11 i	17-2 i	15-0 a
925S162-97	33	18-4	16-2	13-2	18-8	16-2	13-2 i	16-8	15-1	13-2	18-8	16-2	13-2 i
925S162-97	50	18-4	16-8	14-6	20-7	18-8	16-3 i	16-8	15-1	13-2	18-8	17-0	14-10
925S200-97	33	19-0	17-1	13-11	19-9	17-1	13-11 i	17-3	15-8	13-8	19-4	17-1	13-11 i
925S200-97	50	19-0	17-3	15-1	21-4	19-4	16-11 i	17-3	15-8	13-8	19-4	17-7	15-4 i
925S250-97	33	20-0	18-2	15-0	21-3	18-5 i	15-0 i	18-2	16-6	14-5	20-4	18-5 i	15-0 i
925S250-97	50	20-0	18-2	15-10	22-5	20-4	17-9 i	18-2	16-6	14-5	20-4	18-6	16-2 i
925S300-97	33	20-10	18-11	15-11	22-7	19-6 i	15-11 i	18-11	17-2	15-0	21-3	19-4 i	15-11 i
925S300-97	50	20-10	18-11	16-6	23-5	21-3	18-7 i	18-11	17-2	15-0	21-3	19-4	16-10 i

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		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a
1000S162-33	33	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a
1000S200-33	33	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a	6-3 e	4-8 e	3-1 e	5-0 a	3-9 a	2-6 a
1000S137-43	33	11-11 e	10-4 e	7-0 e	11-2 a	8-4 a	5-7 a	11-11 e	10-4 e	7-0 e	11-2 a	8-4 a	5-7 a
1000S162-43	33	12-8 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a	12-8 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a
1000S200-43	33	12-6 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a	12-6 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a
1000S250-43	33	13-6 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a	13-6 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a
1000S300-43	33	14-0 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a	14-0 e	10-6 e	7-0 e	11-2 a	8-4 a	5-7 a
1000S137-54	33	14-3 e	12-4 e	10-1 e	14-3 a	12-4 a	10-1 a	14-3 e	12-4 e	10-1 e	14-3 a	12-4 a	10-1 a
1000S137-54	50	15-8 e	14-1 e	11-6 e	16-3 i	14-1 a	11-1 a	14-3 e	12-11 e	11-4 e	16-0 i	14-1 a	11-1 a
1000S162-54	33	15-0 e	13-0 e	10-7 e	15-0 a	13-0 a	10-7 a	14-9 e	13-0 e	10-7 e	15-0 a	13-0 a	10-7 a
1000S162-54	50	16-3 e	14-9 e	12-2 e	17-2 a	14-11 a	11-1 a	14-9 e	13-5 e	11-9 e	16-7 i	14-11 a	11-1 a
1000S200-54	33	15-7 e	13-6 e	11-0 e	15-7 a	13-6 a	11-0 a	15-3 e	13-6 e	11-0 e	15-7 a	13-6 a	11-0 a
1000S200-54	50	16-10 e	14-8 e	11-11 e	16-11 a	14-8 a	11-1 a	15-3 e	13-11 e	11-11 e	16-11 a	14-8 a	11-1 a
1000S250-54	33	16-1 e	13-11 e	11-4 e	16-1 a	13-11 a	11-1 a	16-0 e	13-11 e	11-4 e	16-1 a	13-11 a	11-1 a
1000S250-54	50	17-8 e	15-7 e	12-9 e	18-0 a	15-7 a	11-1 a	16-0 e	14-7 e	12-8 e	18-0 a	15-7 a	11-1 a
1000S300-54	33	16-11 e	14-8 e	11-11 e	16-11 a	14-8 a	11-1 a	16-8 e	14-8 e	11-11 e	16-11 a	14-8 a	11-1 a
1000S300-54	50	18-3 e	16-4 e	13-4 e	18-11 a	16-4 a	11-1 a	16-7 e	15-1 e	13-2 e	18-8 a	16-4 a	11-1 a
1000S137-68	33	15-11	13-9 e	11-3 e	15-11 i	13-9 i	11-3 a	15-4	13-9 e	11-3 e	15-11 i	13-9 i	11-3 a
1000S137-68	50	16-11	15-4	13-5 e	19-0 i	17-0 i	13-10 i	15-4	13-11	12-2 e	17-3 i	15-8 i	13-8 i
1000S162-68	33	16-9	14-6 e	11-10 e	16-9 i	14-6 i	11-10 a	15-11	14-5 e	11-10 e	16-9 i	14-6 i	11-10 a
1000S162-68	50	17-6	15-11 e	13-11 e	19-8 i	17-10 i	14-7 a	15-11	14-5	12-7 e	17-10 i	16-3 i	14-2 a
1000S200-68	33	17-8 e	15-3 e	12-6 e	17-8 i	15-3 i	12-6 a	16-5	14-11 e	12-6 e	17-8 i	15-3 i	12-6 a
1000S200-68	50	18-1	16-5 e	14-4 e	20-4 i	18-5 i	15-0 a	16-5	14-11	13-1 e	18-6 i	16-9 i	14-8 a
1000S250-68	33	18-8 e	16-2 e	13-2 e	18-8 i	16-2 i	13-2 a	17-3 e	15-8 e	13-2 e	18-8 i	16-2 i	13-2 a
1000S250-68	50	19-0	17-3 e	15-1 e	21-4 i	18-7 i	15-2 a	17-3	15-8	13-8 e	19-5 i	17-7 i	15-2 a
1000S300-68	33	19-4 e	16-9 e	13-8 e	19-4 i	16-9 i	13-8 a	18-0 e	16-4 e	13-8 e	19-4 i	16-9 i	13-8 a
1000S300-68	50	19-9	17-11 e	15-8 e	22-2 i	19-7 i	16-0 a	17-11	16-3 e	14-3 e	20-2 i	18-4 i	16-0 a
1000S162-97	33	19-7	17-2	14-0	19-10	17-2 i	14-0 i	17-9	16-2	14-0	19-10	17-2 i	14-0 i
1000S162-97	50	19-7	17-9	15-6	22-0	19-11	17-3 i	17-9	16-2	14-1	19-11	18-1	15-10 i
1000S200-97	33	20-3	18-1	14-9	20-10	18-1 i	14-9 i	18-5	16-8	14-7	20-8	18-1 i	14-9 i
1000S200-97	50	20-3	18-5	16-1	22-9	20-8	18-0 i	18-5	16-8	14-7	20-8	18-9	16-5 i
1000S250-97	33	21-3	19-4	15-10	22-5	19-5 i	15-10 i	19-4	17-6	15-4	21-8	19-5 i	15-10 i
1000S250-97	50	21-3	19-4	16-10	23-10	21-8	18-11 i	19-4	17-6	15-4	21-8	19-8	17-2 i
1000S300-97	33	22-2	20-2	16-10	23-9 i	20-7 i	16-10 i	20-2	18-3	16-0	22-7 i	20-6 i	16-10 i
1000S300-97	50	22-2	20-2	17-7	24-11	22-7	19-9 i	20-2	18-3	16-0	22-7	20-6	17-11 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

15 psf Dead Load and 100 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
1125S162-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
1125S200-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
1125S137-43	33	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a
1125S162-43	33	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a
1125S200-43	33	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a
1125S250-43	33	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a
1125S300-43	33	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a	12-4 e	9-3 e	6-2 e	9-11 a	7-5 a	4-11 a
1125S137-54	33	15-0 e	13-0 e	10-7 e	15-0 a	13-0 a	9-10 a	15-0 e	13-0 e	10-7 e	15-0 a	13-0 a	9-10 a
1125S137-54	50	17-1 e	14-10 e	12-1 e	17-1 a	14-9 a	9-10 a	15-9 e	14-4 e	12-1 e	17-1 a	14-9 a	9-10 a
1125S162-54	33	15-10 e	13-9 e	11-2 e	15-10 a	13-9 a	9-10 a	15-10 e	13-9 e	11-2 e	15-10 a	13-9 a	9-10 a
1125S162-54	50	17-11 e	15-9 e	12-3 e	18-2 a	14-9 a	9-10 a	16-4 e	14-10 e	12-3 e	18-2 a	14-9 a	9-10 a
1125S200-54	33	16-4 e	14-2 e	11-7 e	16-4 a	14-2 a	9-10 a	16-4 e	14-2 e	11-7 e	16-4 a	14-2 a	9-10 a
1125S200-54	50	17-10 e	15-6 e	12-3 e	17-10 a	14-9 a	9-10 a	16-10 e	15-4 e	12-3 e	17-10 a	14-9 a	9-10 a
1125S250-54	33	17-0 e	14-8 e	12-0 e	17-0 a	14-8 a	9-10 a	17-0 e	14-8 e	12-0 e	17-0 a	14-8 a	9-10 a
1125S250-54	50	19-1 e	16-6 e	12-3 e	19-1 a	14-9 a	9-10 a	17-7 e	16-0 e	12-3 e	19-1 a	14-9 a	9-10 a
1125S300-54	33	17-10 e	15-6 e	12-3 e	17-10 a	14-9 a	9-10 a	17-10 e	15-6 e	12-3 e	17-10 a	14-9 a	9-10 a
1125S300-54	50	20-0 e	17-4 e	12-3 e	19-8 a	14-9 a	9-10 a	18-3 e	16-7 e	12-3 e	19-8 a	14-9 a	9-10 a
1125S137-68	33	17-5 e	15-1 e	12-4 e	17-5 i	15-1 i	12-4 a	17-0 e	15-1 e	12-4 e	17-5 i	15-1 i	12-4 a
1125S137-68	50	18-8	17-0 e	14-9 e	20-10 i	18-1 i	14-9 a	17-0	15-5 e	13-6 e	19-1 i	17-4 i	14-9 a
1125S162-68	33	18-4 e	15-11 e	13-0 e	18-4 i	15-11 i	13-0 a	17-7 e	15-11 e	13-0 e	18-4 i	15-11 i	13-0 a
1125S162-68	50	19-4	17-7 e	15-4 e	21-8 i	19-1 i	15-7 a	17-7	15-11 e	13-11 e	19-9 i	17-11 i	15-7 a
1125S200-68	33	19-3 e	16-8 e	13-7 e	19-3 i	16-8 a	13-7 a	18-2 e	16-6 e	13-7 e	19-3 i	16-8 a	13-7 a
1125S200-68	50	19-11	18-2 e	15-10 e	22-5 i	19-4 i	15-10 a	18-2	16-6 e	14-5 e	20-4 i	18-6 i	15-10 a
1125S250-68	33	20-4 e	17-7 e	14-4 e	20-4 i	17-7 a	14-4 a	19-0 e	17-3 e	14-4 e	20-4 i	17-7 a	14-4 a
1125S250-68	50	20-11 e	19-0 e	16-0 e	22-7 i	19-7 i	16-0 a	19-0	17-3 e	15-1 e	21-4 i	19-4 i	16-0 a
1125S300-68	33	21-0 e	18-2 e	14-10 e	21-0 i	18-2 a	14-10 a	19-9 e	17-11 e	14-10 e	21-0 i	18-2 a	14-10 a
1125S300-68	50	21-9 e	19-9 e	16-11 e	23-11 i	20-8 a	16-11 a	19-9	17-11 e	15-8 e	22-2 i	20-1 i	16-11 a
1125S162-97	33	21-7	18-9	15-4	21-8	18-9 i	15-4 i	19-7	17-10	15-4	21-8	18-9 i	15-4 i
1125S162-97	50	21-7	19-7	17-2	24-3	22-0	18-11 i	19-7	17-10	15-7	22-0	20-0	17-6 i
1125S200-97	33	22-4	19-9	16-1	22-9 i	19-9 i	16-1 i	20-3	18-5	16-1	22-9 i	19-9 i	16-1 i
1125S200-97	50	22-4	20-3	17-8	25-1	22-9 i	19-9 i	20-3	18-5	16-1	22-9	20-8	18-1 i
1125S250-97	33	23-4	21-2	17-3	24-5 i	21-2 i	17-3 i	21-3	19-3	16-10	23-10 i	21-2 i	17-3 i
1125S250-97	50	23-4	21-3	18-7	26-3	23-10 i	20-10 i	21-3	19-3	16-10	23-10	21-8	18-11 i
1125S300-97	33	24-4	22-1	18-3 e	25-10 i	22-4 i	18-3 i	22-1	20-1	17-6 e	24-10 i	22-4 i	18-3 i
1125S300-97	50	24-4	22-1	19-4	27-4	24-10 i	21-8 i	22-1	20-1	17-6	24-10	22-7 i	19-8 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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15 psf Dead Load and 100 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a
1200S162-33	33	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a
1200S200-33	33	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a	5-2 e	3-11 e	2-7 e	4-2 a	3-1 a	2-1 a
1200S137-43	33	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a
1200S162-43	33	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a
1200S200-43	33	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a
1200S250-43	33	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a
1200S300-43	33	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a	11-7 e	8-8 e	5-9 e	9-3 a	6-11 a	4-7 a
1200S137-54	33	15-5 e	13-4 e	10-11 e	15-5 a	13-4 a	9-2 a	15-5 e	13-4 e	10-11 e	15-5 a	13-4 a	9-2 a
1200S137-54	50	17-8 e	15-3 e	11-6 e	17-8 a	13-9 a	9-2 a	16-8 e	15-2 e	11-6 e	17-8 a	13-9 a	9-2 a
1200S162-54	33	16-4 e	14-1 e	11-6 e	16-4 a	13-9 a	9-2 a	16-4 e	14-1 e	11-6 e	16-4 a	13-9 a	9-2 a
1200S162-54	50	18-8 e	16-2 e	11-6 e	18-4 a	13-9 a	9-2 a	17-3 e	15-8 e	11-6 e	18-4 a	13-9 a	9-2 a
1200S200-54	33	16-10 e	14-7 e	11-6 e	16-10 a	13-9 a	9-2 a	16-10 e	14-7 e	11-6 e	16-10 a	13-9 a	9-2 a
1200S200-54	50	18-5 e	15-11 e	11-6 e	18-4 a	13-9 a	9-2 a	17-9 e	15-11 e	11-6 e	18-4 a	13-9 a	9-2 a
1200S250-54	33	17-6 e	15-1 e	11-6 e	17-6 a	13-9 a	9-2 a	17-6 e	15-1 e	11-6 e	17-6 a	13-9 a	9-2 a
1200S250-54	50	19-8 e	17-0 e	11-6 e	18-4 a	13-9 a	9-2 a	18-7 e	16-10 e	11-6 e	18-4 a	13-9 a	9-2 a
1200S300-54	33	18-5 e	15-11 e	11-6 e	18-4 a	13-9 a	9-2 a	18-5 e	15-11 e	11-6 e	18-4 a	13-9 a	9-2 a
1200S300-54	50	20-8 e	17-3 e	11-6 e	18-4 a	13-9 a	9-2 a	19-3 e	17-3 e	11-6 e	18-4 a	13-9 a	9-2 a
1200S137-68	33	18-4 e	15-11 e	13-0 e	18-4 i	15-11 a	13-0 a	17-11 e	15-11 e	13-0 e	18-4 i	15-11 a	13-0 a
1200S137-68	50	19-9 e	17-11 e	15-1 e	21-5 i	18-6 i	15-1 a	17-11 e	16-4 e	14-3 e	20-2 i	18-4 i	15-1 a
1200S162-68	33	19-3 e	16-8 e	13-8 e	19-3 i	16-8 a	13-8 a	18-6 e	16-8 e	13-8 e	19-3 i	16-8 a	13-8 a
1200S162-68	50	20-5 e	18-6 e	16-0 e	22-7 i	19-7 i	16-0 a	18-6 e	16-10 e	14-8 e	20-10 i	18-11 i	16-0 a
1200S200-68	33	20-2 e	17-6 e	14-3 e	20-2 i	17-6 a	14-3 a	19-1 e	17-4 e	14-3 e	20-2 i	17-6 a	14-3 a
1200S200-68	50	21-1 e	19-1 e	16-3 e	23-0 i	19-11 a	16-3 a	19-1 e	17-4 e	15-2 e	21-6 i	19-6 i	16-3 a
1200S250-68	33	21-3 e	18-5 e	15-1 e	21-3 a	18-5 a	15-1 a	20-0 e	18-2 e	15-1 e	21-3 a	18-5 a	15-1 a
1200S250-68	50	22-0 e	20-0 e	16-5 e	23-3 i	20-2 a	16-5 a	20-0 e	18-2 e	15-10 e	22-5 i	20-2 a	16-5 a
1200S300-68	33	21-11 e	19-0 e	15-6 e	21-11 a	19-0 a	15-6 a	20-9 e	18-11 e	15-6 e	21-11 a	19-0 a	15-6 a
1200S300-68	50	22-11 e	20-9 e	17-5 e	24-7 i	21-4 a	17-5 a	20-9 e	18-11 e	16-6 e	23-4 i	21-3 a	17-5 a
1200S162-97	33	22-10	19-9	16-1	22-10 i	19-9 i	16-1 i	20-9	18-10	16-1	22-10 i	19-9 i	16-1 i
1200S162-97	50	22-10	20-9	18-1	25-8	23-3 i	19-10 i	20-9	18-10	16-5	23-3	21-2	18-6 i
1200S200-97	33	23-7	20-8	16-11	23-11 i	20-8 i	16-11 i	21-5	19-5	16-11	23-11 i	20-8 i	16-11 i
1200S200-97	50	23-7	21-5	18-8	26-5	24-0 i	20-9 i	21-5	19-5	17-0	24-0	21-10	19-1 i
1200S250-97	33	24-8	22-2	18-1 e	25-7 i	22-2 i	18-1 i	22-5	20-4	17-9 e	25-2 i	22-2 i	18-1 i
1200S250-97	50	24-8	22-5	19-7	27-8	25-2 i	21-10 i	22-5	20-4	17-9	25-2	22-10 i	19-11 i
1200S300-97	33	25-8	23-3	19-1 e	27-0 i	23-5 i	19-1 i	23-3	21-2	18-6 e	26-2 i	23-5 i	19-1 i
1200S300-97	50	25-8	23-3	20-4	28-9	26-2 i	22-9 i	23-3	21-2	18-6	26-2	23-9 i	20-9 i

Steel Stud Solutions

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Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a
1400S162-33	33	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a
1400S200-33	33	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a	4-5 e	3-4 e	2-2 e	3-6 a	2-8 a	1-9 a
1400S137-43	33	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a
1400S162-43	33	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a
1400S200-43	33	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a
1400S250-43	33	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a
1400S300-43	33	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a	9-11 e	7-5 e	4-11 e	7-11 a	5-11 a	3-11 a
1400S137-54	33	16-6 e	14-3 e	9-9 e	15-8 a	11-9 a	7-10 a	16-6 e	14-3 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S137-54	50	19-0 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	18-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S162-54	33	17-6 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	17-6 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S162-54	50	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	19-2 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S200-54	33	18-0 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	18-0 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S200-54	50	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S250-54	33	18-9 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	18-9 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S250-54	50	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S300-54	33	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S300-54	50	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	19-7 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
1400S137-68	33	19-11 e	17-3 e	14-1 e	19-11 a	17-3 a	14-1 a	19-11 e	17-3 e	14-1 e	19-11 a	17-3 a	14-1 a
1400S137-68	50	22-7 e	19-10 e	16-2 e	22-10 i	19-10 a	15-8 a	20-6 e	18-8 e	16-2 e	22-10 i	19-10 a	15-8 a
1400S162-68	33	20-11 e	18-2 e	14-10 e	20-11 a	18-2 a	14-10 a	20-11 e	18-2 e	14-10 e	20-11 a	18-2 a	14-10 a
1400S162-68	50	23-3 e	20-11 e	17-1 e	24-2 i	20-11 a	15-8 a	21-2 e	19-3 e	16-9 e	23-9 i	20-11 a	15-8 a
1400S200-68	33	21-11 e	18-11 e	15-6 e	21-11 a	18-11 a	15-6 a	21-9 e	18-11 e	15-6 e	21-11 a	18-11 a	15-6 a
1400S200-68	50	23-11 e	21-4 e	17-5 e	24-8 a	21-4 a	15-8 a	21-9 e	19-9 e	17-3 e	24-5 a	21-4 a	15-8 a
1400S250-68	33	23-0 e	19-11 e	16-3 e	23-0 a	19-11 a	15-8 a	22-8 e	19-11 e	16-3 e	23-0 a	19-11 a	15-8 a
1400S250-68	50	25-0 e	21-8 e	17-8 e	25-0 a	21-8 a	15-8 a	22-8 e	20-7 e	17-8 e	25-0 a	21-8 a	15-8 a
1400S300-68	33	23-5 e	20-4 e	16-7 e	23-5 a	20-4 a	15-8 a	23-5 e	20-4 e	16-7 e	23-5 a	20-4 a	15-8 a
1400S300-68	50	25-11 e	22-11 e	18-9 e	26-6 a	22-11 a	15-8 a	23-6 e	21-5 e	18-8 e	26-5 a	22-11 a	15-8 a
1400S162-97	33	25-9	22-3	18-2 e	25-9 i	22-3 i	18-2 i	23-8	21-6	18-2 e	25-9 i	22-3 i	18-2 i
1400S162-97	50	26-1	23-8	20-8 e	29-3 i	26-7 i	22-5 i	23-8	21-6	18-9	26-7	24-2 i	21-1 i
1400S200-97	33	26-10	23-3	19-0 e	26-11 i	23-3 i	19-0 i	24-4	22-1	19-0 e	26-11 i	23-3 i	19-0 i
1400S200-97	50	26-10	24-4	21-3 e	30-1 i	27-4 i	23-4 i	24-4	22-1	19-4	27-4	24-10 i	21-8 i
1400S250-97	33	28-0	24-10 e	20-3 e	28-8 i	24-10 i	20-3 i	25-5	23-1	20-2 e	28-6 i	24-10 i	20-3 i
1400S250-97	50	28-0	25-5	22-2 e	31-5 i	28-6 i	24-6 i	25-5	23-1	20-2	28-6 i	25-11 i	22-8 i
1400S300-97	33	29-0	26-1 e	21-4 e	30-2 i	26-1 i	21-4 i	26-4	23-11	20-11 e	29-7 i	26-1 i	21-4 i
1400S300-97	50	29-0	26-4	23-0 e	32-7 i	29-7 i	25-5 i	26-4	23-11	20-11 e	29-7 i	26-11 i	23-6 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
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10 psf Dead Load and 20 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	14-11 e	12-11 e	10-6 e	14-11 i	12-11 i	10-6 a	13-8	12-5 e	10-6 e	14-11 i	12-11 i	10-6 a
600S162-33	33	15-8 e	13-8 e	11-2 e	15-9 i	13-8 i	11-2 a	14-3	12-11 e	11-2 e	15-9 i	13-8 i	11-2 a
600S200-33	33	16-0 e	13-10 e	11-4 e	16-0 i	13-10 i	11-4 a	14-10 e	13-6 e	11-4 e	16-0 i	13-10 i	11-4 a
600S137-43	33	16-5	14-10	12-2	17-2	14-10 i	12-2 i	14-11	13-6	11-10	16-8	14-10 i	12-2 i
600S162-43	33	17-1	15-6	12-11	18-4	15-10 i	12-11 i	15-6	14-1	12-4	17-5	15-10 i	12-11 i
600S200-43	33	17-10	15-11	13-0	18-5	15-11 i	13-0 i	16-2	14-8	12-10	18-2	15-11 i	13-0 i
600S250-43	33	18-10	17-1	14-1 e	19-11 i	17-3 i	14-1 i	17-1	15-6	13-7	19-2	17-3 i	14-1 i
600S300-43	33	19-7	17-10	14-11 e	21-1 i	18-3 i	14-11 i	17-10	16-2	14-1 e	20-0 i	18-2 i	14-11 i
600S137-54	33	17-7	16-0	13-6	19-2	16-7	13-6	16-0	14-6	12-8	17-11	16-4	13-6
600S137-54	50	17-7	16-0	13-11	19-9	17-11	15-8	16-0	14-6	12-8	17-11	16-4	14-3
600S162-54	33	18-4	16-8	14-5	20-5	17-8	14-5	16-8	15-2	13-3	18-9	17-0	14-5
600S162-54	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
600S200-54	33	19-2	17-5	15-1	21-4	18-6	15-1 i	17-5	15-9	13-9	19-6	17-9	15-1 i
600S200-54	50	19-2	17-5	15-2	21-6	19-6	17-1	17-5	15-9	13-9	19-6	17-9	15-6
600S250-54	33	20-3	18-5	15-11	22-6	19-6	15-11 i	18-5	16-8	14-7	20-8	18-9	15-11 i
600S250-54	50	20-1	18-3	16-0	22-7	20-6	17-11	18-3	16-7	14-6	20-6	18-8	16-3
600S300-54	33	21-2	19-3	16-10	23-10	20-8	16-10 i	19-3	17-6	15-3	21-8	19-8	16-10 i
600S300-54	50	20-11	19-0	16-7	23-6	21-4	18-8	19-0	17-3	15-1	21-4	19-5	16-11
600S137-68	33	18-11	17-2	15-0	21-3	18-5	15-1	17-2	15-7	13-7	19-3	17-6	15-1
600S137-68	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
600S162-68	33	19-9	17-11	15-8	22-2	19-8	16-1	17-11	16-3	14-3	20-2	18-3	16-0
600S162-68	50	19-9	17-11	15-8	22-2	20-2	17-7	17-11	16-3	14-3	20-2	18-3	16-0
600S200-68	33	20-7	18-8	16-4	23-1	20-11	17-1	18-8	17-0	14-10	21-0	19-1	16-8
600S200-68	50	20-7	18-8	16-4	23-1	21-0	18-4	18-8	17-0	14-10	21-0	19-1	16-8
600S250-68	33	21-9	19-9	17-3	24-5	22-2	18-3	19-9	17-11	15-8	22-2	20-2	17-7
600S250-68	50	21-9	19-9	17-3	24-5	22-2	19-5	19-9	17-11	15-8	22-2	20-2	17-7
600S300-68	33	22-10	20-9	18-1	25-7	23-2	18-11	20-9	18-10	16-5	23-3	21-2	18-6
600S300-68	50	22-9	20-8	18-0	25-6	23-2	20-3	20-8	18-9	16-5	23-2	21-1	18-5
600S162-97	33	22-0	20-0	17-5	24-8	22-5	18-11	20-0	18-2	15-10	22-5	20-4	17-10
600S162-97	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
600S200-97	33	22-11	20-10	18-2	25-9	23-5	20-1	20-10	18-11	16-6	23-5	21-3	18-7
600S200-97	50	22-11	20-10	18-2	25-9	23-5	20-5	20-10	18-11	16-6	23-5	21-3	18-7
600S250-97	33	24-3	22-1	19-3	27-3	24-9	21-8	22-1	20-0	17-6	24-9	22-6	19-8
600S250-97	50	24-3	22-1	19-3	27-3	24-9	21-8	22-1	20-0	17-6	24-9	22-6	19-8
600S300-97	33	25-6	23-2	20-3	28-7	26-0	22-8	23-2	21-0	18-4	26-0	23-7	20-7
600S300-97	50	25-6	23-2	20-3	28-7	26-0	22-8	23-2	21-0	18-4	26-0	23-7	20-7

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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10 psf Dead Load and 20 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	17-0 e	14-9 e	12-0 e	17-0 a	14-9 a	12-0 a	17-0 e	14-9 e	12-0 e	17-0 a	14-9 a	12-0 a
800S162-33	33	18-1 e	15-8 e	12-9 e	18-1 a	15-8 a	12-2 a	18-0 e	15-8 e	12-9 e	18-1 a	15-8 a	12-2 a
800S200-33	33	18-4 e	15-10 e	12-11 e	18-4 a	15-10 a	12-2 a	18-4 e	15-10 e	12-11 e	18-4 a	15-10 a	12-2 a
800S137-43	33	20-9	18-4	15-0 e	21-2 i	18-4 i	15-0 i	18-10	17-1	14-11 e	21-2 i	18-4 i	15-0 i
800S162-43	33	21-7	19-5 e	15-10 e	22-5 i	19-5 i	15-10 i	19-7	17-9	15-6 e	22-0 i	19-5 i	15-10 i
800S200-43	33	22-2	19-3 e	15-8 e	22-2 i	19-3 i	15-8 i	20-4	18-5	15-8 e	22-2 i	19-3 i	15-8 i
800S250-43	33	23-6	20-8 e	16-10 e	23-11 i	20-8 i	16-10 a	21-4	19-5 e	16-10 e	23-11 i	20-8 i	16-10 a
800S300-43	33	24-6	21-10 e	17-10 e	25-2 i	21-10 i	17-10 a	22-3	20-2 e	17-8 e	25-0 i	21-10 i	17-10 a
800S137-54	33	22-3	20-3	16-8	23-7	20-5	16-8 i	20-3	18-5	16-1	22-9	20-5	16-8 i
800S137-54	50	22-3	20-3	17-8	25-0	22-9	19-10 i	20-3	18-5	16-1	22-9	20-8	18-0
800S162-54	33	23-2	21-1	17-8	25-0	21-8 i	17-8 i	21-1	19-1	16-8	23-8	21-6 i	17-8 i
800S162-54	50	23-2	21-1	18-5	26-0	23-8	20-8 i	21-1	19-1	16-8	23-8	21-6	18-9 i
800S200-54	33	24-0	21-10	18-5	26-0	22-6 i	18-5 i	21-10	19-10	17-4	24-6	22-3 i	18-5 i
800S200-54	50	24-0	21-10	19-1	27-0	24-6	21-2 i	21-10	19-10	17-4	24-6	22-3	19-5 i
800S250-54	33	25-4	23-0	19-4	27-4	23-8 i	19-4 i	23-0	20-11	18-3	25-10	23-5 i	19-4 i
800S250-54	50	25-2	22-11	20-0	28-4	25-8	22-5 i	22-11	20-10	18-2	25-8	23-4	20-5 i
800S300-54	33	26-5	24-0	20-5	28-11 i	25-0 i	20-5 i	24-0	21-10	19-1	27-0	24-6 i	20-5 i
800S300-54	50	26-2	23-9	20-9	29-4	26-8	23-4 i	23-9	21-7	18-10	26-8	24-3	21-2 i
800S137-68	33	24-0	21-9	18-7	26-4	22-9	18-7	21-9	19-9	17-3	24-5	22-2	18-7
800S137-68	50	24-0	21-9	19-0	26-11	24-5	21-4	21-9	19-9	17-3	24-5	22-2	19-5
800S162-68	33	24-11	22-8	19-9	27-11	24-2	19-9	22-8	20-7	17-11	25-5	23-1	19-9
800S162-68	50	24-11	22-8	19-9	28-0	25-5	22-2	22-8	20-7	17-11	25-5	23-1	20-2
800S200-68	33	25-10	23-6	20-6	29-1	26-5	23-1	23-6	21-4	18-8	26-5	24-0	20-10
800S200-68	50	25-10	23-6	20-6	29-1	26-5	23-1	23-6	21-4	18-8	26-5	24-0	20-11
800S250-68	33	27-3	24-9	21-7	30-7	27-2	22-2 i	24-9	22-6	19-8	27-9	25-3	22-1
800S250-68	50	27-3	24-9	21-7	30-7	27-9	24-3	24-9	22-6	19-8	27-9	25-3	22-1
800S300-68	33	28-6	25-10	22-7	32-0	28-1	22-11 i	25-10	23-6	20-6	29-0	26-5	22-11 i
800S300-68	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
800S162-97	33	27-10	25-3	22-1	31-3	28-4	23-3	25-3	22-11	20-0	28-4	25-9	22-6
800S162-97	50	27-10	25-3	22-1	31-3	28-4	24-9	25-3	22-11	20-0	28-4	25-9	22-6
800S200-97	33	28-11	26-3	22-11	32-5	29-6	24-7	26-3	23-10	20-10	29-6	26-9	23-4
800S200-97	50	28-11	26-3	22-11	32-5	29-6	25-9	26-3	23-10	20-10	29-6	26-9	23-4
800S250-97	33	30-5	27-8	24-2	34-2	31-1	26-7	27-8	25-1	21-11	31-1	28-2	24-8
800S250-97	50	30-5	27-8	24-2	34-2	31-1	27-1	27-8	25-1	21-11	31-1	28-2	24-8
800S300-97	33	31-10	28-11	25-3	35-9	32-6	28-4	28-11	26-3	22-11	32-6	29-6	25-9
800S300-97	50	31-10	28-11	25-3	35-9	32-6	28-4	28-11	26-3	22-11	32-6	29-6	25-9

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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	18-3 e	15-9 e	12-11 e	18-3 a	15-8 a	10-5 a	18-3 e	15-9 e	12-11 e	18-3 a	15-8 a	10-5 a
925S162-33	33	19-5 e	16-9 e	13-1 e	19-5 a	15-8 a	10-5 a	19-5 e	16-9 e	13-1 e	19-5 a	15-8 a	10-5 a
925S200-33	33	19-8 e	17-0 e	13-1 e	19-8 a	15-8 a	10-5 a	19-8 e	17-0 e	13-1 e	19-8 a	15-8 a	10-5 a
925S137-43	33	22-8	19-7 e	16-0 e	22-8 i	19-7 i	16-0 a	21-3	19-4 e	16-0 e	22-8 i	19-7 i	16-0 a
925S162-43	33	24-0 e	20-10 e	17-0 e	24-0 i	20-10 i	17-0 a	22-1	20-0 e	17-0 e	24-0 i	20-10 i	17-0 a
925S200-43	33	23-8 e	20-6 e	16-9 e	23-8 i	20-6 i	16-9 a	22-10	20-6 e	16-9 e	23-8 i	20-6 i	16-9 a
925S250-43	33	25-7 e	22-1 e	18-1 e	25-7 i	22-1 i	18-1 a	24-0 e	21-9 e	18-1 e	25-7 i	22-1 i	18-1 a
925S300-43	33	27-0 e	23-5 e	19-1 e	27-0 i	23-5 i	19-1 a	24-11 e	22-8 e	19-1 e	27-0 i	23-5 a	19-1 a
925S137-54	33	25-2	22-10	18-7	26-4	22-10 i	18-7 i	22-10	20-9	18-2	25-8	22-10 i	18-7 i
925S137-54	50	25-2	22-10	20-0	28-3	25-8	21-9 i	22-10	20-9	18-2	25-8	23-4	20-4 i
925S162-54	33	26-1	23-9	19-8	27-10 i	24-1 i	19-8 i	23-9	21-7	18-10	26-8	24-1 i	19-8 i
925S162-54	50	26-1	23-9	20-9	29-4	26-8	23-0 i	23-9	21-7	18-10	26-8	24-2	21-2 i
925S200-54	33	27-0	24-7	20-5 e	28-10 i	25-0 i	20-5 i	24-7	22-4	19-6	27-7 i	25-0 i	20-5 i
925S200-54	50	27-0	24-7	21-5	30-4	27-7 i	22-7 i	24-7	22-4	19-6	27-7 i	25-1	21-10 i
925S250-54	33	28-5	25-9	21-5 e	30-3 i	26-2 i	21-5 i	25-9	23-5	20-5 e	28-11 i	26-2 i	21-5 i
925S250-54	50	28-4	25-9	22-6	31-10	28-11 i	24-1 i	25-9	23-4	20-5	28-11 i	26-3	22-11 i
925S300-54	33	29-7	26-11	22-7 e	31-11 i	27-8 i	22-7 i	26-11	24-5	21-4 e	30-2 i	27-5 i	22-7 i
925S300-54	50	29-4	26-8	23-4	33-0	30-0 i	25-3 i	26-8	24-3	21-2	30-0	27-3 i	23-9 i
925S137-68	33	27-1	24-7	20-9	29-5	25-5	20-9	24-7	22-4	19-6	27-7	25-1	20-9
925S137-68	50	27-1	24-7	21-6	30-5	27-7	24-1	24-7	22-4	19-6	27-7	25-1	21-11
925S162-68	33	28-1	25-6	21-11	31-1	26-11	21-11 i	25-6	23-2	20-3	28-8	26-0	21-11 i
925S162-68	50	28-1	25-6	22-3	31-6	28-8	25-0	25-6	23-2	20-3	28-8	26-0	22-9
925S200-68	33	29-1	26-5	23-1	32-8	28-3	23-1 i	26-5	24-0	21-0	29-8	26-11	23-1 i
925S200-68	50	29-1	26-5	23-1	32-8	29-8	25-11	26-5	24-0	21-0	29-8	26-11	23-6
925S250-68	33	30-7	27-9	24-3	34-4	30-0	24-6 i	27-9	25-3	22-0	31-2	28-4	24-6 i
925S250-68	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
925S300-68	33	31-11	29-0	25-4	35-10	31-0	25-4 i	29-0	26-4	23-0	32-6	29-7	25-4 i
925S300-68	50	31-9	28-10	25-2	35-8	32-5	28-3	28-10	26-2	22-11	32-5	29-5	25-8
925S162-97	33	31-4	28-6	24-11	35-3	31-9	25-11	28-6	25-11	22-7	32-0	29-1	25-5
925S162-97	50	31-4	28-6	24-11	35-3	32-0	27-11	28-6	25-11	22-7	32-0	29-1	25-5
925S200-97	33	32-6	29-6	25-9	36-6	33-2	27-4	29-6	26-10	23-5	33-2	30-1	26-4
925S200-97	50	32-6	29-6	25-9	36-6	33-2	28-11	29-6	26-10	23-5	33-2	30-1	26-4
925S250-97	33	34-2	31-0	27-1	38-4	34-10	29-5	31-0	28-2	24-7	34-10	31-8	27-8
925S250-97	50	34-2	31-0	27-1	38-4	34-10	30-5	31-0	28-2	24-7	34-10	31-8	27-8
925S300-97	33	35-8	32-5	28-4	40-1	36-5	31-3	32-5	29-5	25-8	36-5	33-1	28-10
925S300-97	50	35-8	32-5	28-4	40-1	36-5	31-9	32-5	29-5	25-8	36-5	33-1	28-10

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Floor Joist Span Tables (feet - inches)

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10 psf Dead Load and 20 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	18-11 e	16-5 e	12-1 e	18-11 a	14-6 a	9-8 a	18-11 e	16-5 e	12-1 e	18-11 a	14-6 a	9-8 a
1000S162-33	33	20-2 e	17-5 e	12-1 e	19-4 a	14-6 a	9-8 a	20-2 e	17-5 e	12-1 e	19-4 a	14-6 a	9-8 a
1000S200-33	33	20-5 e	17-8 e	12-1 e	19-4 a	14-6 a	9-8 a	20-5 e	17-8 e	12-1 e	19-4 a	14-6 a	9-8 a
1000S137-43	33	23-5 e	20-3 e	16-7 e	23-5 i	20-3 i	16-7 a	22-9 e	20-3 e	16-7 e	23-5 i	20-3 i	16-7 a
1000S162-43	33	24-10 e	21-6 e	17-7 e	24-10 i	21-6 i	17-7 a	23-6 e	21-4 e	17-7 e	24-10 i	21-6 i	17-7 a
1000S200-43	33	24-7 e	21-3 e	17-4 e	24-7 i	21-3 i	17-4 a	24-4 e	21-3 e	17-4 e	24-7 i	21-3 i	17-4 a
1000S250-43	33	26-6 e	22-11 e	18-9 e	26-6 i	22-11 a	18-9 a	25-6 e	22-11 e	18-9 e	26-6 i	22-11 a	18-9 a
1000S300-43	33	28-0 e	24-3 e	19-10 e	28-0 i	24-3 a	19-10 a	26-6 e	24-1 e	19-10 e	28-0 i	24-3 a	19-10 a
1000S137-54	33	26-11	24-3	19-9 e	28-0 i	24-3 i	19-9 i	24-5	22-2	19-5 e	27-5 i	24-3 i	19-9 i
1000S137-54	50	26-11	24-5	21-4	30-2	27-5 i	22-6 i	24-5	22-2	19-5	27-5	24-11	21-9 i
1000S162-54	33	27-10	25-4	20-10 e	29-6 i	25-6 i	20-10 i	25-4	23-0	20-1 e	28-5 i	25-6 i	20-10 i
1000S162-54	50	27-10	25-4	22-1	31-3	28-5 i	23-10 i	25-4	23-0	20-1	28-5	25-10	22-6 i
1000S200-54	33	28-10	26-2	21-7 e	30-6 i	26-5 i	21-7 i	26-2	23-9	20-9 e	29-5 i	26-5 i	21-7 i
1000S200-54	50	28-10	26-2	22-10	32-4	28-8 i	23-5 i	26-2	23-9	20-9	29-5	26-8 i	23-4 i
1000S250-54	33	30-2	27-4	22-4 e	31-7 i	27-4 i	22-4 i	27-5	24-11	21-9 e	30-10 i	27-4 i	22-4 i
1000S250-54	50	30-2	27-5	23-11	33-11	30-7 i	25-0 i	27-5	24-11	21-9	30-9	28-0 i	24-5 i
1000S300-54	33	31-6	28-7 e	23-5 e	33-2 i	28-9 i	23-5 i	28-7	26-0	22-8 e	32-1 i	28-9 i	23-5 i
1000S300-54	50	31-3	28-5	24-10 e	35-1 i	31-11 i	26-2 i	28-5	25-10	22-6	31-11	29-0 i	25-4 i
1000S137-68	33	28-11	26-3	22-1	31-2	27-0	22-1 i	26-3	23-10	20-10	29-6	26-10	22-1 i
1000S137-68	50	28-11	26-3	22-11	32-6	29-6	25-9	26-3	23-10	20-10	29-6	26-10	23-5
1000S162-68	33	30-0	27-3	23-3	32-11	28-6	23-3 i	27-3	24-9	21-7	30-7	27-9	23-3 i
1000S162-68	50	30-0	27-3	23-9	33-8	30-7	26-8	27-3	24-9	21-7	30-7	27-9	24-3
1000S200-68	33	31-0	28-2	24-5	34-7	29-11	24-5 i	28-2	25-7	22-4	31-7	28-9	24-5 i
1000S200-68	50	31-0	28-2	24-7	34-10	31-7	27-7	28-2	25-7	22-4	31-7	28-9	25-1
1000S250-68	33	32-6	29-6	25-10	36-6	31-9 i	25-11 i	29-6	26-10	23-5	33-2	30-2	25-11 i
1000S250-68	50	32-6	29-6	25-10	36-6	33-2	29-0 i	29-6	26-10	23-5	33-2	30-2	26-4
1000S300-68	33	33-11	30-9	26-9	37-10	32-9 i	26-9 i	30-9	28-0	24-5	34-7	31-5	26-9 i
1000S300-68	50	33-9	30-8	26-10	37-11	34-6	30-1 i	30-8	27-11	24-4	34-6	31-4	27-4
1000S162-97	33	33-6	30-5	26-7	37-7	33-8	27-6	30-5	27-7	24-2	34-2	31-0	27-1
1000S162-97	50	33-6	30-5	26-7	37-7	34-2	29-10	30-5	27-7	24-2	34-2	31-0	27-1
1000S200-97	33	34-8	31-6	27-6	38-11	35-4	28-11	31-6	28-7	25-0	35-4	32-1	28-0
1000S200-97	50	34-8	31-6	27-6	38-11	35-4	30-10	31-6	28-7	25-0	35-4	32-1	28-0
1000S250-97	33	36-4	33-0	28-10	40-10	37-1	31-1	33-0	30-0	26-3	37-1	33-8	29-5
1000S250-97	50	36-4	33-0	28-10	40-10	37-1	32-5	33-0	30-0	26-3	37-1	33-8	29-5
1000S300-97	33	37-11	34-5	30-1	42-7	38-8	32-11	34-5	31-4	27-4	38-8	35-2	30-8
1000S300-97	50	37-11	34-5	30-1	42-7	38-8	33-10	34-5	31-4	27-4	38-8	35-2	30-8

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10 psf Dead Load and 20 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	20-0 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a	20-0 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a
1125S162-33	33	21-4 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a	21-4 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a
1125S200-33	33	21-5 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a	21-5 e	16-0 e	10-8 e	17-1 a	12-10 a	8-6 a
1125S137-43	33	24-8 e	21-4 e	17-5 e	24-8 i	21-4 a	17-5 a	24-8 e	21-4 e	17-5 e	24-8 i	21-4 a	17-5 a
1125S162-43	33	26-3 e	22-9 e	18-7 e	26-3 i	22-9 a	18-7 a	25-11 e	22-9 e	18-7 e	26-3 i	22-9 a	18-7 a
1125S200-43	33	25-11 e	22-6 e	18-4 e	25-11 i	22-6 a	18-4 a	25-11 e	22-6 e	18-4 e	25-11 i	22-6 a	18-4 a
1125S250-43	33	28-0 e	24-3 e	19-10 e	28-0 a	24-3 a	19-0 a	28-0 e	24-3 e	19-10 e	28-0 a	24-3 a	19-0 a
1125S300-43	33	29-8 e	25-8 e	21-0 e	29-8 a	25-8 a	19-0 a	29-2 e	25-8 e	21-0 e	29-8 a	25-8 a	19-0 a
1125S137-54	33	29-5	25-6	20-10 e	29-5 i	25-6 i	20-10 i	27-0	24-6	20-10 e	29-5 i	25-6 i	20-10 i
1125S137-54	50	29-9	27-0	23-7 e	33-5	29-1 i	23-8 i	27-0	24-6	21-5	30-4	27-7 i	23-8 i
1125S162-54	33	30-9	26-11 e	22-0 e	31-1 i	26-11 i	22-0 i	27-11	25-4	22-0 e	31-1 i	26-11 i	22-0 i
1125S162-54	50	30-9	27-11	24-5 e	34-6 i	30-10 i	25-2 i	27-11	25-4	22-2	31-4	28-6 i	24-10 i
1125S200-54	33	31-9	27-9 e	22-8 e	32-0 i	27-9 i	22-8 i	28-10	26-2	22-8 e	32-0 i	27-9 i	22-8 i
1125S200-54	50	31-9	28-10	24-9 e	35-0 i	30-4 i	24-9 i	28-10	26-2	22-10 e	32-4	29-5 i	24-9 i
1125S250-54	33	33-2	28-10 e	23-6 e	33-3 i	28-10 i	23-6 i	30-2	27-5 e	23-6 e	33-3 i	28-10 i	23-6 i
1125S250-54	50	33-2	30-2	26-4 e	37-3 i	32-4 i	26-5 i	30-2	27-5	23-11 e	33-10 i	30-9 i	26-5 i
1125S300-54	33	34-6	30-4 e	24-9 e	35-0 i	30-4 i	24-9 a	31-5	28-6 e	24-9 e	35-0 i	30-4 i	24-9 a
1125S300-54	50	34-4	31-2	27-3 e	38-7 i	34-0 i	27-9 i	31-2	28-4	24-9 e	35-0 i	31-10 i	27-9 i
1125S137-68	33	32-0	29-1	24-2	34-3	29-7	24-2 i	29-1	26-5	23-1	32-8	29-7	24-2 i
1125S137-68	50	32-0	29-1	25-5	35-11	32-8	28-6 i	29-1	26-5	23-1	32-8	29-8	25-11
1125S162-68	33	33-1	30-1	25-5	36-0	31-2 i	25-5 i	30-1	27-4	23-10	33-9	30-8	25-5 i
1125S162-68	50	33-1	30-1	26-3	37-2	33-9	29-6 i	30-1	27-4	23-10	33-9	30-8	26-9
1125S200-68	33	34-2	31-0	26-8	37-8	32-8 i	26-8 i	31-0	28-2	24-7	34-10	31-8 i	26-8 i
1125S200-68	50	34-2	31-0	27-1	38-4	34-10	30-5 i	31-0	28-2	24-7	34-10	31-8	27-8 i
1125S250-68	33	35-9	32-6	28-2	39-10	34-6 i	28-2 i	32-6	29-6	25-9	36-6	33-2 i	28-2 i
1125S250-68	50	35-9	32-6	28-4	40-2	36-6	31-4 i	32-6	29-6	25-9	36-6	33-2	28-11 i
1125S300-68	33	37-2	33-10	29-1	41-1 i	35-7 i	29-1 i	33-10	30-8	26-10	37-11	34-6 i	29-1 i
1125S300-68	50	37-2	33-9	29-6	41-9	37-11	33-1 i	33-9	30-8	26-9	37-11	34-5	30-1 i
1125S162-97	33	37-0	33-7	29-4	41-6	36-10	30-1	33-7	30-6	26-8	37-9	34-3	29-11
1125S162-97	50	37-0	33-7	29-4	41-6	37-9	32-11	33-7	30-6	26-8	37-9	34-3	29-11
1125S200-97	33	38-2	34-8	30-4	42-11	38-8	31-7	34-8	31-6	27-6	38-11	35-5	30-11
1125S200-97	50	38-2	34-8	30-4	42-11	38-11	34-0	34-8	31-6	27-6	38-11	35-5	30-11
1125S250-97	33	40-0	36-4	31-9	44-11	40-10	33-10	36-4	33-0	28-10	40-10	37-1	32-5
1125S250-97	50	40-0	36-4	31-9	44-11	40-10	35-8	36-4	33-0	28-10	40-10	37-1	32-5
1125S300-97	33	41-8	37-10	33-1	46-9	42-6	35-9	37-10	34-4	30-0	42-6	38-7	33-9
1125S300-97	50	41-8	37-10	33-1	46-9	42-6	37-1	37-10	34-4	30-0	42-6	38-7	33-9

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		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a
1200S162-33	33	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a
1200S200-33	33	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a	20-0 e	15-0 e	10-0 e	16-0 a	12-0 a	8-0 a
1200S137-43	33	25-5 e	22-0 e	18-0 e	25-5 a	22-0 a	17-9 a	25-5 e	22-0 e	18-0 e	25-5 a	22-0 a	17-9 a
1200S162-43	33	27-1 e	23-5 e	19-1 e	27-1 a	23-5 a	17-9 a	27-1 e	23-5 e	19-1 e	27-1 a	23-5 a	17-9 a
1200S200-43	33	26-9 e	23-2 e	18-11 e	26-9 a	23-2 a	17-9 a	26-9 e	23-2 e	18-11 e	26-9 a	23-2 a	17-9 a
1200S250-43	33	28-11 e	25-0 e	20-5 e	28-11 a	25-0 a	17-9 a	28-11 e	25-0 e	20-5 e	28-11 a	25-0 a	17-9 a
1200S300-43	33	30-8 e	26-6 e	21-8 e	30-8 a	26-6 a	17-9 a	30-8 e	26-6 e	21-8 e	30-8 a	26-6 a	17-9 a
1200S137-54	33	30-3	26-2 e	21-5 e	30-3 i	26-2 i	21-5 i	28-7	25-11 e	21-5 e	30-3 i	26-2 i	21-5 i
1200S137-54	50	31-5	28-7	24-5 e	34-7 i	29-11 i	24-5 i	28-7	25-11	22-8 e	32-1	29-1 i	24-5 i
1200S162-54	33	32-0	27-8 e	22-7 e	32-0 i	27-8 i	22-7 i	29-6	26-9 e	22-7 e	32-0 i	27-8 i	22-7 i
1200S162-54	50	32-5	29-6	25-9 e	36-5 i	31-9 i	25-11 i	29-6	26-9	23-5 e	33-1 i	30-1 i	25-11 i
1200S200-54	33	32-11	28-6 e	23-3 e	32-11 i	28-6 i	23-3 a	30-5	27-7 e	23-3 e	32-11 i	28-6 i	23-3 a
1200S200-54	50	33-6	30-5	25-6 e	36-1 i	31-3 i	25-6 i	30-5	27-7	24-1 e	34-2 i	31-0 i	25-6 i
1200S250-54	33	34-3	29-8 e	24-2 e	34-3 i	29-8 i	24-2 a	31-9	28-10 e	24-2 e	34-3 i	29-8 i	24-2 a
1200S250-54	50	35-0	31-9	27-3 e	38-7 i	33-5 i	27-3 i	31-9	28-10	25-3 e	35-8 i	32-5 i	27-3 i
1200S300-54	33	36-1 e	31-3 e	25-6 e	36-1 i	31-3 i	25-6 a	33-0	30-0 e	25-6 e	36-1 i	31-3 i	25-6 a
1200S300-54	50	36-3	32-11 e	28-8 e	40-6 i	35-1 i	28-8 i	32-11	29-11	26-2 e	37-0 i	33-7 i	28-8 i
1200S137-68	33	33-10	30-9	25-5	36-0	31-2 i	25-5 i	30-9	27-11	24-4	34-6	31-2 i	25-5 i
1200S137-68	50	33-10	30-9	26-10	38-0	34-6	29-8 i	30-9	27-11	24-4	34-6	31-4	27-4 i
1200S162-68	33	34-11	31-9	26-9	37-10	32-9 i	26-9 i	31-9	28-10	25-2	35-8	32-4 i	26-9 i
1200S162-68	50	34-11	31-9	27-9	39-3	35-8	31-1 i	31-9	28-10	25-2	35-8	32-4	28-3 i
1200S200-68	33	36-0	32-9	27-11	39-7	34-3 i	27-11 i	32-9	29-9	26-0	36-9	33-5 i	27-11 i
1200S200-68	50	36-0	32-9	28-7	40-5	36-9	31-10 i	32-9	29-9	26-0	36-9	33-5	29-2 i
1200S250-68	33	37-8	34-3	29-6	41-9 i	36-2 i	29-6 i	34-3	31-1	27-2	38-5	34-11 i	29-6 i
1200S250-68	50	37-8	34-3	29-11	42-4	38-5	32-3 i	34-3	31-1	27-2	38-5	34-11	30-6 i
1200S300-68	33	39-2	35-7	30-4 e	42-11 i	37-2 i	30-4 i	35-7	32-4	28-3	39-11	36-4 i	30-4 i
1200S300-68	50	39-2	35-7	31-1	44-0	39-11	34-1 i	35-7	32-4	28-3	39-11	36-4	31-8 i
1200S162-97	33	39-1	35-6	31-0	43-10	38-8	31-7	35-6	32-3	28-2	39-10	36-2	31-7
1200S162-97	50	39-1	35-6	31-0	43-10	39-10	34-10	35-6	32-3	28-2	39-10	36-2	31-7
1200S200-97	33	40-4	36-7	32-0	45-3	40-7	33-1	36-7	33-3	29-1	41-1	37-4	32-7
1200S200-97	50	40-4	36-7	32-0	45-3	41-1	35-11	36-7	33-3	29-1	41-1	37-4	32-7
1200S250-97	33	42-2	38-4	33-5	47-4	43-0	35-5	38-4	34-10	30-5	43-0	39-1	34-1
1200S250-97	50	42-2	38-4	33-5	47-4	43-0	37-7	38-4	34-10	30-5	43-0	39-1	34-1
1200S300-97	33	43-10	39-10	34-10	49-3	44-9	37-5	39-10	36-2	31-7	44-9	40-8	35-6
1200S300-97	50	43-10	39-10	34-10	49-3	44-9	39-1	39-10	36-2	31-7	44-9	40-8	35-6

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 20 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1400S162-33	33	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1400S200-33	33	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	17-1 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1400S137-43	33	27-4 e	23-8 e	19-0 e	27-4 a	22-9 a	15-2 a	27-4 e	23-8 e	19-0 e	27-4 a	22-9 a	15-2 a
1400S162-43	33	29-1 e	25-2 e	19-0 e	29-1 a	22-9 a	15-2 a	29-1 e	25-2 e	19-0 e	29-1 a	22-9 a	15-2 a
1400S200-43	33	28-10 e	25-0 e	19-0 e	28-10 a	22-9 a	15-2 a	28-10 e	25-0 e	19-0 e	28-10 a	22-9 a	15-2 a
1400S250-43	33	31-2 e	27-0 e	19-0 e	30-5 a	22-9 a	15-2 a	31-2 e	27-0 e	19-0 e	30-5 a	22-9 a	15-2 a
1400S300-43	33	33-1 e	28-6 e	19-0 e	30-5 a	22-9 a	15-2 a	33-1 e	28-6 e	19-0 e	30-5 a	22-9 a	15-2 a
1400S137-54	33	32-4 e	28-0 e	22-10 e	32-4 i	28-0 i	22-10 a	32-4 e	28-0 e	22-10 e	32-4 i	28-0 i	22-10 a
1400S137-54	50	35-0	31-10 e	26-3 e	37-2 i	32-2 i	26-3 a	31-10	28-11	25-3 e	35-8 i	32-2 i	26-3 a
1400S162-54	33	34-3 e	29-8 e	24-2 e	34-3 i	29-8 i	24-2 a	33-7 e	29-8 e	24-2 e	34-3 i	29-8 i	24-2 a
1400S162-54	50	36-1	32-10 e	27-11 e	39-5 i	34-2 i	27-11 a	32-10	29-10 e	26-0 e	36-10 i	33-6 i	27-11 a
1400S200-54	33	35-4 e	30-7 e	25-0 e	35-4 i	30-7 i	25-0 a	34-7 e	30-7 e	25-0 e	35-4 i	30-7 i	25-0 a
1400S200-54	50	37-8	33-8 e	27-6 e	38-11 i	33-8 i	27-6 a	34-2	31-1 e	27-2 e	38-5 i	33-8 i	27-6 a
1400S250-54	33	36-9 e	31-10 e	26-0 e	36-9 i	31-10 a	26-0 a	36-0 e	31-10 e	26-0 e	36-9 i	31-10 a	26-0 a
1400S250-54	50	39-4 e	35-8 e	29-5 e	41-7 i	36-0 i	29-5 a	35-8	32-5 e	28-4 e	40-1 i	36-0 i	29-5 a
1400S300-54	33	38-10 e	33-7 e	27-5 e	38-10 i	33-7 a	27-5 a	37-5 e	33-7 e	27-5 e	38-10 i	33-7 a	27-5 a
1400S300-54	50	40-10 e	37-1 e	30-11 e	43-8 i	37-10 i	30-1 a	37-1	33-8 e	29-5 e	41-8 i	37-10 i	30-1 a
1400S137-68	33	38-8	33-10	27-7	39-1 i	33-10 i	27-7 i	35-1	31-11	27-7	39-1 i	33-10 i	27-7 i
1400S137-68	50	38-8	35-1	30-8	43-5	38-10 i	31-8 i	35-1	31-11	27-10	39-5	35-10	31-4 i
1400S162-68	33	39-10	35-6	29-0 e	41-0 i	35-6 i	29-0 i	36-2	32-11	28-9 e	40-8 i	35-6 i	29-0 i
1400S162-68	50	39-10	36-2	31-7	44-9	40-8 i	33-6 i	36-2	32-11	28-9	40-8	36-11	32-3 i
1400S200-68	33	41-0	37-2	30-4 e	42-11 i	37-2 i	30-4 i	37-3	33-10	29-7 e	41-10 i	37-2 i	30-4 i
1400S200-68	50	41-0	37-3	32-6	46-0	41-10 i	34-2 i	37-3	33-10	29-7	41-10	38-0	33-2 i
1400S250-68	33	42-9	38-10	31-10 e	45-0 i	39-0 i	31-10 i	38-10	35-3	30-10 e	43-7 i	39-0 i	31-10 i
1400S250-68	50	42-9	38-10	33-11	48-0	42-5 i	34-8 i	38-10	35-3	30-10	43-7	39-7 i	34-7 i
1400S300-68	33	44-4	39-9	32-6 e	45-11 i	39-9 i	32-6 i	40-3	36-7	32-0 e	45-3 i	39-9 i	32-6 i
1400S300-68	50	44-4	40-3	35-2 e	49-9	44-11 i	36-8 i	40-3	36-7	32-0	45-3	41-1 i	35-11 i
1400S162-97	33	44-7	40-6	35-4	50-0	43-8	35-8	40-6	36-9	32-2	45-6	41-4	35-8
1400S162-97	50	44-7	40-6	35-4	50-0	45-6	39-9	40-6	36-9	32-2	45-6	41-4	36-1
1400S200-97	33	45-11	41-8	36-5	51-6	45-7	37-3	41-8	37-10	33-1	46-10	42-6	37-2
1400S200-97	50	45-11	41-8	36-5	51-6	46-10	40-11	41-8	37-10	33-1	46-10	42-6	37-2
1400S250-97	33	47-10	43-6	38-0	53-9	48-7	39-8	43-6	39-6	34-6	48-10	44-4	38-9
1400S250-97	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
1400S300-97	33	49-8	45-1	39-5	55-9	50-8	41-9 i	45-1	41-0	35-10	50-8	46-0	40-2
1400S300-97	50	49-8	45-1	39-5	55-9	50-8	44-3	45-1	41-0	35-10	50-8	46-0	40-2

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	12-11 e	11-2 e	9-1 e	12-11 i	11-2 a	9-1 a	11-11 e	10-10 e	9-1 e	12-11 i	11-2 a	9-1 a
600S162-33	33	13-8 e	11-10 e	9-8 e	13-8 i	11-10 a	9-8 a	12-5 e	11-4 e	9-8 e	13-8 i	11-10 a	9-8 a
600S200-33	33	13-10 e	12-0 e	9-9 e	13-10 i	12-0 a	9-9 a	13-0 e	11-9 e	9-9 e	13-10 i	12-0 a	9-9 a
600S137-43	33	14-4	12-10	10-6 e	14-10 i	12-10 i	10-6 i	13-0	11-10	10-4	14-7	12-10 i	10-6 i
600S162-43	33	14-11	13-7	11-2 e	15-10 i	13-9 i	11-2 i	13-7	12-4	10-9 e	15-3 i	13-9 i	11-2 i
600S200-43	33	15-7	13-10	11-3 e	15-11 i	13-10 i	11-3 i	14-1	12-10	11-2 e	15-10 i	13-10 i	11-3 i
600S250-43	33	16-5	14-11	12-2 e	17-3 i	14-11 i	12-2 i	14-11	13-7	11-10 e	16-9 i	14-11 i	12-2 i
600S300-43	33	17-1	15-7 e	12-11 e	18-3 i	15-10 i	12-11 i	15-7	14-1	12-4 e	17-6 i	15-10 i	12-11 i
600S137-54	33	15-4	13-11	11-8	16-7	14-4	11-8 i	13-11	12-8	11-1	15-8	14-3	11-8 i
600S137-54	50	15-4	13-11	12-2	17-3	15-8	13-8	13-11	12-8	11-1	15-8	14-3	12-5
600S162-54	33	16-0	14-7	12-6	17-8	15-3	12-6 i	14-7	13-3	11-7	16-4	14-10	12-6 i
600S162-54	50	16-0	14-7	12-9	18-0	16-4	14-3	14-7	13-3	11-7	16-4	14-10	13-0
600S200-54	33	16-9	15-2	13-1	18-6	16-0	13-1 i	15-2	13-9	12-0	17-1	15-6	13-1 i
600S200-54	50	16-9	15-2	13-3	18-9	17-1	14-11 i	15-2	13-9	12-0	17-1	15-6	13-6
600S250-54	33	17-8	16-1	13-9	19-6	16-10 i	13-9 i	16-1	14-7	12-9	18-0	16-4	13-9 i
600S250-54	50	17-7	16-0	13-11	19-9	17-11	15-8 i	16-0	14-6	12-8	17-11	16-3	14-3
600S300-54	33	18-6	16-10	14-7	20-8	17-11 i	14-7 i	16-10	15-3	13-4	18-11	17-2 i	14-7 i
600S300-54	50	18-3	16-7	14-6	20-6	18-8	16-3 i	16-7	15-1	13-2	18-8	16-11	14-9 i
600S137-68	33	16-6	15-0	13-0	18-5	15-11	13-0	15-0	13-7	11-11	16-10	15-4	13-0
600S137-68	50	16-6	15-0	13-1	18-6	16-10	14-8	15-0	13-7	11-11	16-10	15-4	13-4
600S162-68	33	17-3	15-8	13-8	19-4	17-0	13-11	15-8	14-3	12-5	17-7	16-0	13-11
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	13-11
600S200-68	33	18-0	16-4	14-3	20-2	18-1	14-9	16-4	14-10	12-11	18-4	16-8	14-6
600S200-68	50	18-0	16-4	14-3	20-2	18-4	16-0	16-4	14-10	12-11	18-4	16-8	14-6
600S250-68	33	19-0	17-3	15-1	21-4	19-5	15-10	17-3	15-8	13-8	19-5	17-7	15-5
600S250-68	50	19-0	17-3	15-1	21-4	19-5	16-11	17-3	15-8	13-8	19-5	17-7	15-5
600S300-68	33	19-11	18-1	15-10	22-5	20-1	16-5	18-1	16-5	14-4	20-4	18-6	16-1
600S300-68	50	19-10	18-0	15-9	22-4	20-3	17-8	18-0	16-5	14-4	20-3	18-5	16-1
600S162-97	33	19-2	17-5	15-3	21-7	19-7	16-4	17-5	15-10	13-10	19-7	17-10	15-6
600S162-97	50	19-2	17-5	15-3	21-7	19-7	17-1	17-5	15-10	13-10	19-7	17-10	15-6
600S200-97	33	20-0	18-2	15-11	22-6	20-5	17-5	18-2	16-6	14-5	20-5	18-7	16-3
600S200-97	50	20-0	18-2	15-11	22-6	20-5	17-10	18-2	16-6	14-5	20-5	18-7	16-3
600S250-97	33	21-3	19-3	16-10	23-10	21-8	18-11	19-3	17-6	15-3	21-8	19-8	17-2
600S250-97	50	21-3	19-3	16-10	23-10	21-8	18-11	19-3	17-6	15-3	21-8	19-8	17-2
600S300-97	33	22-3	20-3	17-8	25-0	22-8	19-10	20-3	18-4	16-0	22-8	20-7	18-0
600S300-97	50	22-3	20-3	17-8	25-0	22-8	19-10	20-3	18-4	16-0	22-8	20-7	18-0

Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

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10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span		Two Equal Spans			
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		Spacing (in.) o.c.			
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	14-9 e	12-9 e	10-5 e	14-9 a	12-9 a	9-1 a	14-9 e	12-9 e	10-5 e	14-9 a	12-9 a	9-1 a
800S162-33	33	15-8 e	13-7 e	11-1 e	15-8 a	13-7 a	9-1 a	15-8 e	13-7 e	11-1 e	15-8 a	13-7 a	9-1 a
800S200-33	33	15-10 e	13-9 e	11-2 e	15-10 a	13-8 a	9-1 a	15-10 e	13-9 e	11-2 e	15-10 a	13-8 a	9-1 a
800S137-43	33	18-1	15-11 e	13-0 e	18-4 i	15-11 i	13-0 a	16-5	14-11 e	13-0 e	18-4 i	15-11 i	13-0 a
800S162-43	33	18-10 e	16-10 e	13-9 e	19-5 i	16-10 i	13-9 a	17-1	15-6 e	13-7 e	19-2 i	16-10 i	13-9 a
800S200-43	33	19-3 e	16-8 e	13-7 e	19-3 i	16-8 i	13-7 a	17-9	16-1 e	13-7 e	19-3 i	16-8 i	13-7 a
800S250-43	33	20-7 e	17-11 e	14-7 e	20-8 i	17-11 i	14-7 a	18-8 e	16-11 e	14-7 e	20-8 i	17-11 i	14-7 a
800S300-43	33	21-4 e	18-11 e	15-5 e	21-10 i	18-11 a	15-5 a	19-5 e	17-8 e	15-5 e	21-10 i	18-11 a	15-5 a
800S137-54	33	19-6	17-8	14-5	20-5	17-8 i	14-5 i	17-8	16-1	14-0	19-10	17-8 i	14-5 i
800S137-54	50	19-6	17-8	15-5	21-10	19-10	17-4 i	17-8	16-1	14-0	19-10	18-0	15-9 i
800S162-54	33	20-3	18-5	15-4	21-8 i	18-9 i	15-4 i	18-5	16-8	14-7	20-8	18-9 i	15-4 i
800S162-54	50	20-3	18-5	16-1	22-9	20-8	18-0 i	18-5	16-8	14-7	20-8	18-9	16-4 i
800S200-54	33	21-0	19-1	15-11 e	22-6 i	19-6 i	15-11 i	19-1	17-4	15-2	21-5 i	19-5 i	15-11 i
800S200-54	50	21-0	19-1	16-8	23-7	21-5 i	18-4 i	19-1	17-4	15-2	21-5	19-5	17-0 i
800S250-54	33	22-1	20-1	16-9 e	23-8 i	20-6 i	16-9 i	20-1	18-3	15-11 e	22-7 i	20-6 i	16-9 i
800S250-54	50	22-0	20-0	17-6	24-9	22-5 i	19-6 i	20-0	18-2	15-10	22-5	20-5	17-10 i
800S300-54	33	23-1	21-0	17-8 e	25-0 i	21-8 i	17-8 i	21-0	19-1	16-8 e	23-7 i	21-5 i	17-8 i
800S300-54	50	22-10	20-9	18-1	25-8	23-4 i	20-4 i	20-9	18-10	16-6	23-4	21-2 i	18-6 i
800S137-68	33	20-11	19-0	16-1	22-9	19-9	16-1	19-0	17-3	15-1	21-4	19-5	16-1
800S137-68	50	20-11	19-0	16-7	23-6	21-4	18-8	19-0	17-3	15-1	21-4	19-5	16-11
800S162-68	33	21-9	19-9	17-1	24-2	20-11	17-1 i	19-9	17-11	15-8	22-2	20-2	17-1 i
800S162-68	50	21-9	19-9	17-3	24-5	22-2	19-5	19-9	17-11	15-8	22-2	20-2	17-7
800S200-68	33	22-7	20-6	17-11	25-4	22-1	18-0 i	20-6	18-8	16-3	23-1	20-11	18-0 i
800S200-68	50	22-7	20-6	17-11	25-4	23-1	20-2	20-6	18-8	16-3	23-1	20-11	18-3
800S250-68	33	23-9	21-7	18-10	26-9	23-6	19-2 i	21-7	19-8	17-2	24-3	22-1	19-2 i
800S250-68	50	23-9	21-7	18-10	26-9	24-3	21-2	21-7	19-8	17-2	24-3	22-1	19-3
800S300-68	33	24-10	22-7	19-9	27-11	24-4	19-10 i	22-7	20-6	17-11	25-4	23-0	19-10 i
800S300-68	50	24-9	22-6	19-8	27-10	25-3	22-1	22-6	20-5	17-10	25-3	22-11	20-0
800S162-97	33	24-3	22-1	19-3	27-3	24-8	20-1	22-1	20-0	17-6	24-9	22-6	19-8
800S162-97	50	24-3	22-1	19-3	27-3	24-9	21-8	22-1	20-0	17-6	24-9	22-6	19-8
800S200-97	33	25-3	22-11	20-0	28-4	25-9	21-4	22-11	20-10	18-2	25-9	23-4	20-5
800S200-97	50	25-3	22-11	20-0	28-4	25-9	22-6	22-11	20-10	18-2	25-9	23-4	20-5
800S250-97	33	26-7	24-2	21-1	29-10	27-1	23-1	24-2	21-11	19-2	27-1	24-8	21-6
800S250-97	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
800S300-97	33	27-10	25-3	22-1	31-3	28-4	24-6	25-3	22-11	20-0	28-4	25-9	22-6
800S300-97	50	27-10	25-3	22-1	31-3	28-4	24-9	25-3	22-11	20-0	28-4	25-9	22-6

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	15-9 e	13-8 e	9-9 e	15-8 a	11-9 a	7-10 a	15-9 e	13-8 e	9-9 e	15-8 a	11-9 a	7-10 a
925S162-33	33	16-9 e	14-6 e	9-9 e	15-8 a	11-9 a	7-10 a	16-9 e	14-6 e	9-9 e	15-8 a	11-9 a	7-10 a
925S200-33	33	17-0 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a	17-0 e	14-8 e	9-9 e	15-8 a	11-9 a	7-10 a
925S137-43	33	19-7 e	17-0 e	13-10 e	19-7 i	17-0 i	13-10 a	18-7 e	16-10 e	13-10 e	19-7 i	17-0 i	13-10 a
925S162-43	33	20-10 e	18-0 e	14-8 e	20-10 i	18-0 a	14-8 a	19-3 e	17-6 e	14-8 e	20-10 i	18-0 a	14-8 a
925S200-43	33	20-6 e	17-9 e	14-6 e	20-6 i	17-9 a	14-6 a	19-11 e	17-9 e	14-6 e	20-6 i	17-9 a	14-6 a
925S250-43	33	22-1 e	19-2 e	15-8 e	22-1 i	19-2 a	15-8 a	20-11 e	19-0 e	15-8 e	22-1 i	19-2 a	15-8 a
925S300-43	33	23-5 e	20-3 e	16-6 e	23-5 a	20-3 a	16-6 a	21-9 e	19-9 e	16-6 e	23-5 a	20-3 a	16-6 a
925S137-54	33	22-0	19-9	16-1 e	22-10 i	19-9 i	16-1 i	20-0	18-2	15-10 e	22-5 i	19-9 i	16-1 i
925S137-54	50	22-0	20-0	17-5	24-8	22-5 i	18-10 i	20-0	18-2	15-10	22-5	20-4 i	17-9 i
925S162-54	33	22-10	20-9	17-0 e	24-1 i	20-10 i	17-0 i	20-9	18-10	16-5 e	23-3 i	20-10 i	17-0 i
925S162-54	50	22-10	20-9	18-1	25-7	23-3 i	19-11 i	20-9	18-10	16-5	23-3	21-2 i	18-5 i
925S200-54	33	23-7	21-5	17-8 e	25-0 i	21-8 i	17-8 i	21-5	19-6	17-0 e	24-1 i	21-8 i	17-8 i
925S200-54	50	23-7	21-5	18-9 e	26-6	23-11 i	19-7 i	21-5	19-6	17-0	24-1	21-10 i	19-1 i
925S250-54	33	24-9	22-6 e	18-6 e	26-2 i	22-8 i	18-6 i	22-6	20-5	17-10 e	25-3 i	22-8 i	18-6 i
925S250-54	50	24-9	22-6	19-7 e	27-9 i	25-3 i	20-10 i	22-6	20-5	17-10	25-3	22-11 i	20-0 i
925S300-54	33	25-10	23-6 e	19-6 e	27-8 i	23-11 i	19-6 i	23-6	21-4	18-8 e	26-5 i	23-11 i	19-6 i
925S300-54	50	25-8	23-4	20-4 e	28-10 i	26-2 i	21-10 i	23-4	21-2	18-6	26-2	23-9 i	20-9 i
925S137-68	33	23-8	21-6	18-0	25-5	22-0	18-0 i	21-6	19-6	17-0	24-1	21-11	18-0 i
925S137-68	50	23-8	21-6	18-9	26-7	24-1	21-1	21-6	19-6	17-0	24-1	21-11	19-2
925S162-68	33	24-6	22-3	19-0	26-11	23-3	19-0 i	22-3	20-3	17-8	25-0	22-9	19-0 i
925S162-68	50	24-6	22-3	19-6	27-7	25-0	21-10 i	22-3	20-3	17-8	25-0	22-9	19-10
925S200-68	33	25-5	23-1	20-0	28-3	24-6 i	20-0 i	23-1	21-0	18-4	25-11	23-6	20-0 i
925S200-68	50	25-5	23-1	20-2	28-6	25-11	22-8 i	23-1	21-0	18-4	25-11	23-6	20-7
925S250-68	33	26-8	24-3	21-2	30-0	26-0 i	21-3 i	24-3	22-0	19-3	27-3	24-9 i	21-3 i
925S250-68	50	26-8	24-3	21-2	30-0	27-3	23-9 i	24-3	22-0	19-3	27-3	24-9	21-7
925S300-68	33	27-10	25-4	21-11	31-0	26-10 i	21-11 i	25-4	23-0	20-1	28-5	25-10 i	21-11 i
925S300-68	50	27-9	25-2	22-0	31-2	28-3	24-8 i	25-2	22-11	20-0	28-3	25-8	22-5 i
925S162-97	33	27-5	24-11	21-9	30-9	27-6	22-5	24-11	22-7	19-9	27-11	25-5	22-2
925S162-97	50	27-5	24-11	21-9	30-9	27-11	24-5	24-11	22-7	19-9	27-11	25-5	22-2
925S200-97	33	28-5	25-9	22-6	31-10	28-11	23-8	25-9	23-5	20-5	28-11	26-4	23-0
925S200-97	50	28-5	25-9	22-6	31-10	28-11	25-3	25-9	23-5	20-5	28-11	26-4	23-0
925S250-97	33	29-10	27-1	23-8	33-6	30-5	25-6	27-1	24-7	21-6	30-5	27-8	24-2
925S250-97	50	29-10	27-1	23-8	33-6	30-5	26-7	27-1	24-7	21-6	30-5	27-8	24-2
925S300-97	33	31-2	28-4	24-9	35-0	31-9	27-0	28-4	25-8	22-5	31-9	28-10	25-3
925S300-97	50	31-2	28-4	24-9	35-0	31-9	27-9	28-4	25-8	22-5	31-9	28-10	25-3

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	16-5 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a	16-5 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a
1000S162-33	33	17-5 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a	17-5 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a
1000S200-33	33	17-8 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a	17-8 e	13-7 e	9-0 e	14-6 a	10-10 a	7-3 a
1000S137-43	33	20-3 e	17-7 e	14-4 e	20-3 i	17-7 a	14-4 a	19-10 e	17-7 e	14-4 e	20-3 i	17-7 a	14-4 a
1000S162-43	33	21-6 e	18-8 e	15-3 e	21-6 i	18-8 a	15-3 a	20-6 e	18-8 e	15-3 e	21-6 i	18-8 a	15-3 a
1000S200-43	33	21-3 e	18-5 e	15-0 e	21-3 i	18-5 a	15-0 a	21-3 e	18-5 e	15-0 e	21-3 i	18-5 a	15-0 a
1000S250-43	33	22-11 e	19-10 e	16-3 e	22-11 a	19-10 a	16-1 a	22-3 e	19-10 e	16-3 e	22-11 a	19-10 a	16-1 a
1000S300-43	33	24-3 e	21-0 e	17-2 e	24-3 a	21-0 a	16-1 a	23-2 e	21-0 e	17-2 e	24-3 a	21-0 a	16-1 a
1000S137-54	33	23-6	21-0	17-1 e	24-3 i	21-0 i	17-1 i	21-4	19-5	16-11 e	23-11 i	21-0 i	17-1 i
1000S137-54	50	23-6	21-4	18-8 e	26-4 i	23-10 i	19-6 i	21-4	19-5	16-11	23-11	21-9 i	19-0 i
1000S162-54	33	24-4	22-1 e	18-0 e	25-6 i	22-1 i	18-0 i	22-1	20-1	17-6 e	24-10 i	22-1 i	18-0 i
1000S162-54	50	24-4	22-1	19-4 e	27-4 i	24-10 i	20-8 i	22-1	20-1	17-6	24-10	22-6 i	19-8 i
1000S200-54	33	25-2	22-10 e	18-8 e	26-5 i	22-10 i	18-8 i	22-10	20-9	18-2 e	25-8 i	22-10 i	18-8 i
1000S200-54	50	25-2	22-10	19-11 e	28-3 i	24-10 i	20-3 i	22-10	20-9	18-2 e	25-8	23-4 i	20-3 i
1000S250-54	33	26-5	23-8 e	19-4 e	27-4 i	23-8 i	19-4 a	24-0	21-9 e	19-0 e	26-11 i	23-8 i	19-4 a
1000S250-54	50	26-4	23-11	20-11 e	29-7 i	26-6 i	21-7 i	23-11	21-9	19-0 e	26-11 i	24-5 i	21-4 i
1000S300-54	33	27-6	24-10 e	20-4 e	28-9 i	24-10 i	20-4 a	25-0	22-8 e	19-10 e	28-0 i	24-10 i	20-4 a
1000S300-54	50	27-4	24-10	21-8 e	30-8 i	27-9 i	22-8 i	24-10	22-6	19-8 e	27-10 i	25-4 i	22-1 i
1000S137-68	33	25-3	22-11	19-1	27-0	23-5	19-1 i	22-11	20-10	18-2	25-9	23-5	19-1 i
1000S137-68	50	25-3	22-11	20-0	28-4	25-9	22-6 i	22-11	20-10	18-2	25-9	23-5	20-5
1000S162-68	33	26-2	23-9	20-2	28-6	24-8 i	20-2 i	23-9	21-7	18-10	26-8	24-3 i	20-2 i
1000S162-68	50	26-2	23-9	20-9	29-5	26-8	23-4 i	23-9	21-7	18-10	26-8	24-3	21-2
1000S200-68	33	27-1	24-7	21-2	29-11	25-11 i	21-2 i	24-7	22-4	19-6	27-7	25-1 i	21-2 i
1000S200-68	50	27-1	24-7	21-6	30-5	27-7	24-1 i	24-7	22-4	19-6	27-7	25-1	21-11 i
1000S250-68	33	28-5	25-10	22-5	31-9 i	27-6 i	22-5 i	25-10	23-5	20-6	29-0	26-4 i	22-5 i
1000S250-68	50	28-5	25-10	22-6	31-11	29-0	25-4 i	25-10	23-5	20-6	29-0	26-4	23-0 i
1000S300-68	33	29-7	26-11	23-2	32-9 i	28-4 i	23-2 i	26-11	24-5	21-4	30-2	27-5 i	23-2 i
1000S300-68	50	29-6	26-10	23-5	33-2	30-1	26-3 i	26-10	24-4	21-3	30-1	27-4	23-11 i
1000S162-97	33	29-3	26-7	23-2	32-10	29-2	23-9	26-7	24-2	21-1	29-10	27-1	23-8
1000S162-97	50	29-3	26-7	23-2	32-10	29-10	26-1	26-7	24-2	21-1	29-10	27-1	23-8
1000S200-97	33	30-3	27-6	24-0	34-0	30-8	25-0	27-6	25-0	21-10	30-10	28-0	24-6
1000S200-97	50	30-3	27-6	24-0	34-0	30-10	27-0	27-6	25-0	21-10	30-10	28-0	24-6
1000S250-97	33	31-9	28-10	25-2	35-8	32-5	26-11	28-10	26-3	22-11	32-5	29-5	25-9
1000S250-97	50	31-9	28-10	25-2	35-8	32-5	28-4	28-10	26-3	22-11	32-5	29-5	25-9
1000S300-97	33	33-2	30-1	26-3	37-2	33-10	28-6	30-1	27-4	23-11	33-10	30-8	26-10
1000S300-97	50	33-2	30-1	26-3	37-2	33-10	29-6	30-1	27-4	23-11	33-10	30-8	26-10

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10 psf Dead Load and 30 psf Live Load													
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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a
1125S162-33	33	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a
1125S200-33	33	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a	16-0 e	12-0 e	8-0 e	12-10 a	9-7 a	6-5 a
1125S137-43	33	21-4 e	18-6 e	15-1 e	21-4 a	18-6 a	14-3 a	21-4 e	18-6 e	15-1 e	21-4 a	18-6 a	14-3 a
1125S162-43	33	22-9 e	19-8 e	16-1 e	22-9 a	19-8 a	14-3 a	22-8 e	19-8 e	16-1 e	22-9 a	19-8 a	14-3 a
1125S200-43	33	22-6 e	19-5 e	15-11 e	22-6 a	19-5 a	14-3 a	22-6 e	19-5 e	15-11 e	22-6 a	19-5 a	14-3 a
1125S250-43	33	24-3 e	21-0 e	17-2 e	24-3 a	21-0 a	14-3 a	24-3 e	21-0 e	17-2 e	24-3 a	21-0 a	14-3 a
1125S300-43	33	25-8 e	22-3 e	17-10 e	25-8 a	21-4 a	14-3 a	25-5 e	22-3 e	17-10 e	25-8 a	21-4 a	14-3 a
1125S137-54	33	25-6	22-1 e	18-0 e	25-6 i	22-1 i	18-0 a	23-7	21-5 e	18-0 e	25-6 i	22-1 i	18-0 a
1125S137-54	50	26-0	23-7	20-6 e	29-1 i	25-2 i	20-6 i	23-7	21-5	18-9 e	26-6 i	24-1 i	20-6 i
1125S162-54	33	26-10	23-4 e	19-0 e	26-11 i	23-4 i	19-0 a	24-5	22-2 e	19-0 e	26-11 i	23-4 i	19-0 a
1125S162-54	50	26-10	24-5	21-4 e	30-2 i	26-8 i	21-9 i	24-5	22-2	19-4 e	27-5 i	24-10 i	21-9 i
1125S200-54	33	27-8 e	24-0 e	19-7 e	27-9 i	24-0 i	19-7 a	25-2	22-10 e	19-7 e	27-9 i	24-0 i	19-7 a
1125S200-54	50	27-8	25-2	21-5 e	30-4 i	26-3 i	21-5 i	25-2	22-10	20-0 e	28-3 i	25-8 i	21-5 i
1125S250-54	33	28-10 e	24-11 e	20-4 e	28-10 i	24-11 i	20-4 a	26-4	23-11 e	20-4 e	28-10 i	24-11 i	20-4 a
1125S250-54	50	29-0	26-4 e	22-10 e	32-4 i	28-0 i	22-10 a	26-4	23-11	20-11 e	29-7 i	26-10 i	22-10 a
1125S300-54	33	30-2 e	26-3 e	21-5 e	30-4 i	26-3 i	21-5 a	27-5 e	24-11 e	21-5 e	30-4 i	26-3 i	21-5 a
1125S300-54	50	30-0	27-3 e	23-10 e	33-8 i	29-5 i	24-0 a	27-3	24-9	21-7 e	30-7 i	27-10 i	24-0 a
1125S137-68	33	27-11	25-5	20-11	29-7	25-8 i	20-11 i	25-5	23-1	20-2	28-6	25-8 i	20-11 i
1125S137-68	50	27-11	25-5	22-2	31-4	28-6	24-11 i	25-5	23-1	20-2	28-6	25-11	22-7 i
1125S162-68	33	28-11	26-3	22-0	31-2 i	27-0 i	22-0 i	26-3	23-10	20-10	29-6	26-9 i	22-0 i
1125S162-68	50	28-11	26-3	22-11	32-5	29-6	25-9 i	26-3	23-10	20-10	29-6	26-9	23-5 i
1125S200-68	33	29-10	27-1	23-1	32-8 i	28-3 i	23-1 i	27-1	24-7	21-6	30-5	27-8 i	23-1 i
1125S200-68	50	29-10	27-1	23-8	33-6	30-5	26-7 i	27-1	24-7	21-6	30-5	27-8	24-2 i
1125S250-68	33	31-3	28-4	24-4 e	34-6 i	29-10 i	24-4 i	28-4	25-9	22-6	31-10 i	28-11 i	24-4 i
1125S250-68	50	31-3	28-4	24-9	35-1	31-10 i	27-1 i	28-4	25-9	22-6	31-10	28-11	25-3 i
1125S300-68	33	32-6	29-6	25-2 e	35-7 i	30-10 i	25-2 i	29-6	26-10	23-5 e	33-2 i	30-1 i	25-2 i
1125S300-68	50	32-5	29-6	25-9	36-5	33-1 i	28-8 i	29-6	26-9	23-5	33-1	30-1	26-3 i
1125S162-97	33	32-3	29-4	25-7	36-3	31-10	26-0	29-4	26-8	23-3	32-11	29-11	26-0
1125S162-97	50	32-3	29-4	25-7	36-3	32-11	28-9	29-4	26-8	23-3	32-11	29-11	26-2
1125S200-97	33	33-4	30-4	26-6	37-5	33-6	27-4	30-4	27-6	24-0	34-0	30-11	27-0
1125S200-97	50	33-4	30-4	26-6	37-5	34-0	29-9	30-4	27-6	24-0	34-0	30-11	27-0
1125S250-97	33	34-11	31-9	27-9	39-3	35-8	29-3	31-9	28-10	25-2	35-8	32-5	28-3
1125S250-97	50	34-11	31-9	27-9	39-3	35-8	31-2	31-9	28-10	25-2	35-8	32-5	28-3
1125S300-97	33	36-5	33-1	28-10	40-10	37-1	30-11	33-1	30-0	26-3	37-1	33-9	29-5
1125S300-97	50	36-5	33-1	28-10	40-10	37-1	32-5	33-1	30-0	26-3	37-1	33-9	29-5

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span		Two Equal Spans			
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		Spacing (in.) o.c.			
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a
1200S162-33	33	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a
1200S200-33	33	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a	15-0 e	11-3 e	7-6 e	12-0 a	9-0 a	6-0 a
1200S137-43	33	22-0 e	19-1 e	15-7 e	22-0 a	19-1 a	13-4 a	22-0 e	19-1 e	15-7 e	22-0 a	19-1 a	13-4 a
1200S162-43	33	23-5 e	20-3 e	16-7 e	23-5 a	20-0 a	13-4 a	23-5 e	20-3 e	16-7 e	23-5 a	20-0 a	13-4 a
1200S200-43	33	23-2 e	20-1 e	16-4 e	23-2 a	20-0 a	13-4 a	23-2 e	20-1 e	16-4 e	23-2 a	20-0 a	13-4 a
1200S250-43	33	25-0 e	21-8 e	16-8 e	25-0 a	20-0 a	13-4 a	25-0 e	21-8 e	16-8 e	25-0 a	20-0 a	13-4 a
1200S300-43	33	26-6 e	23-0 e	16-8 e	26-6 a	20-0 a	13-4 a	26-6 e	23-0 e	16-8 e	26-6 a	20-0 a	13-4 a
1200S137-54	33	26-2 e	22-8 e	18-6 e	26-2 i	22-8 i	18-6 a	24-11	22-8 e	18-6 e	26-2 i	22-8 i	18-6 a
1200S137-54	50	27-5	24-11 e	21-2 e	29-11 i	25-11 i	21-2 i	24-11	22-8	19-9 e	28-0 i	25-5 i	21-2 i
1200S162-54	33	27-8 e	24-0 e	19-7 e	27-8 i	24-0 i	19-7 a	25-9	23-5 e	19-7 e	27-8 i	24-0 i	19-7 a
1200S162-54	50	28-4	25-9 e	22-5 e	31-9 i	27-6 i	22-5 a	25-9	23-5	20-5 e	28-11 i	26-3 i	22-5 a
1200S200-54	33	28-6 e	24-8 e	20-2 e	28-6 i	24-8 i	20-2 a	26-7 e	24-1 e	20-2 e	28-6 i	24-8 i	20-2 a
1200S200-54	50	29-3	26-7 e	22-1 e	31-3 i	27-1 i	22-1 a	26-7	24-1	21-1 e	29-10 i	27-1 i	22-1 a
1200S250-54	33	29-8 e	25-8 e	20-11 e	29-8 i	25-8 i	20-11 a	27-9 e	25-3 e	20-11 e	29-8 i	25-8 i	20-11 a
1200S250-54	50	30-7	27-9 e	23-7 e	33-5 i	28-11 i	23-7 a	27-9	25-3 e	22-0 e	31-2 i	28-4 i	23-7 a
1200S300-54	33	31-3 e	27-1 e	22-1 e	31-3 i	27-1 a	22-1 a	28-10 e	26-2 e	22-1 e	31-3 i	27-1 a	22-1 a
1200S300-54	50	31-8	28-9 e	24-9 e	35-1 i	30-4 i	24-9 a	28-9	26-2 e	22-10 e	32-4 i	29-4 i	24-9 a
1200S137-68	33	29-6	26-10	22-0	31-2 i	27-0 i	22-0 i	26-10	24-4	21-3	30-2	27-0 i	22-0 i
1200S137-68	50	29-6	26-10	23-5	33-2	30-2	25-8 i	26-10	24-4	21-3	30-2	27-4	23-11 i
1200S162-68	33	30-6	27-9	23-2 e	32-9 i	28-4 i	23-2 i	27-9	25-2	22-0	31-1 i	28-3 i	23-2 i
1200S162-68	50	30-6	27-9	24-2	34-3	31-1 i	27-1 i	27-9	25-2	22-0	31-1	28-3	24-8 i
1200S200-68	33	31-6	28-7	24-2 e	34-3 i	29-8 i	24-2 i	28-7	26-0	22-8 e	32-1 i	29-2 i	24-2 i
1200S200-68	50	31-6	28-7	25-0	35-4	32-1 i	27-7 i	28-7	26-0	22-8	32-1	29-2	25-6 i
1200S250-68	33	32-11	29-11	25-6 e	36-2 i	31-3 i	25-6 i	29-11	27-2	23-9 e	33-7 i	30-6 i	25-6 i
1200S250-68	50	32-11	29-11	26-1	36-11	33-7 i	27-11 i	29-11	27-2	23-9	33-7	30-6 i	26-8 i
1200S300-68	33	34-3	31-1	26-3 e	37-2 i	32-2 i	26-3 i	31-1	28-3	24-8 e	34-11 i	31-8 i	26-3 i
1200S300-68	50	34-3	31-1	27-2	38-5	34-11 i	29-6 i	31-1	28-3	24-8	34-11	31-8 i	27-8 i
1200S162-97	33	34-1	31-0	27-1	38-4	33-6	27-4	31-0	28-2	24-7	34-10	31-7	27-4
1200S162-97	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
1200S200-97	33	35-2	32-0	27-11	39-6	35-1	28-8	32-0	29-1	25-4	35-11	32-7	28-6
1200S200-97	50	35-2	32-0	27-11	39-6	35-11	31-4	32-0	29-1	25-4	35-11	32-7	28-6
1200S250-97	33	36-10	33-5	29-3	41-4	37-7	30-8	33-5	30-5	26-6	37-7	34-1	29-10
1200S250-97	50	36-10	33-5	29-3	41-4	37-7	32-10	33-5	30-5	26-6	37-7	34-1	29-10
1200S300-97	33	38-4	34-10	30-5	43-0	39-1	32-5 i	34-10	31-7	27-7	39-1	35-6	31-0
1200S300-97	50	38-4	34-10	30-5	43-0	39-1	34-2	34-10	31-7	27-7	39-1	35-6	31-0

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Floor Joist Span Tables (feet - inches)

notes:

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10 psf Dead Load and 30 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1400S162-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1400S200-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1400S137-43	33	23-8 e	20-6 e	14-3 e	22-9 a	17-1 a	11-4 a	23-8 e	20-6 e	14-3 e	22-9 a	17-1 a	11-4 a
1400S162-43	33	25-2 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a	25-2 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a
1400S200-43	33	25-0 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a	25-0 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a
1400S250-43	33	27-0 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a	27-0 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a
1400S300-43	33	28-6 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a	28-6 e	21-4 e	14-3 e	22-9 a	17-1 a	11-4 a
1400S137-54	33	28-0 e	24-3 e	19-10 e	28-0 i	24-3 a	19-10 a	28-0 e	24-3 e	19-10 e	28-0 i	24-3 a	19-10 a
1400S137-54	50	30-7 e	27-9 e	22-9 e	32-2 i	27-10 i	22-7 a	27-9 e	25-3 e	22-0 e	31-2 i	27-10 i	22-7 a
1400S162-54	33	29-8 e	25-8 e	20-11 e	29-8 i	25-8 a	20-11 a	29-4 e	25-8 e	20-11 e	29-8 i	25-8 a	20-11 a
1400S162-54	50	31-7 e	28-8 e	24-2 e	34-2 i	29-7 a	22-7 a	28-8 e	26-0 e	22-9 e	32-2 i	29-3 a	22-7 a
1400S200-54	33	30-7 e	26-6 e	21-7 e	30-7 i	26-6 a	21-7 a	30-2 e	26-6 e	21-7 e	30-7 i	26-6 a	21-7 a
1400S200-54	50	32-11 e	29-2 e	23-10 e	33-8 i	29-2 a	22-7 a	29-10 e	27-2 e	23-8 e	33-6 i	29-2 a	22-7 a
1400S250-54	33	31-10 e	27-7 e	22-6 e	31-10 a	27-7 a	22-6 a	31-6 e	27-7 e	22-6 e	31-10 a	27-7 a	22-6 a
1400S250-54	50	34-4 e	31-2 e	25-5 e	36-0 i	31-2 a	22-7 a	31-2 e	28-4 e	24-9 e	35-0 i	31-2 a	22-7 a
1400S300-54	33	33-7 e	29-1 e	23-9 e	33-7 a	29-1 a	22-7 a	32-8 e	29-1 e	23-9 e	33-7 a	29-1 a	22-7 a
1400S300-54	50	35-8 e	32-5 e	26-9 e	37-10 i	32-9 a	22-7 a	32-5 e	29-5 e	25-8 e	36-4 i	32-9 a	22-7 a
1400S137-68	33	33-9	29-4	23-11 e	33-10 i	29-4 i	23-11 i	30-8	27-10	23-11 e	33-10 i	29-4 i	23-11 i
1400S137-68	50	33-9	30-8	26-10 e	37-11	33-7 i	27-5 i	30-8	27-10	24-4	34-5	31-4 i	27-4 i
1400S162-68	33	34-10	30-9	25-1 e	35-6 i	30-9 i	25-1 i	31-7	28-9	25-1 e	35-6 i	30-9 i	25-1 i
1400S162-68	50	34-10	31-7	27-7 e	39-1 i	35-6 i	29-0 i	31-7	28-9	25-1	35-6	32-3 i	28-2 i
1400S200-68	33	35-10	32-2 e	26-3 e	37-2 i	32-2 i	26-3 i	32-6	29-7	25-10 e	36-6 i	32-2 i	26-3 i
1400S200-68	50	35-10	32-6	28-5 e	40-2 i	36-3 i	29-7 i	32-6	29-7	25-10	36-6	33-2 i	29-0 i
1400S250-68	33	37-4	33-9 e	27-6 e	39-0 i	33-9 i	27-6 i	33-11	30-10	26-11 e	38-1 i	33-9 i	27-6 i
1400S250-68	50	37-4	33-11	29-7 e	41-11 i	36-9 i	30-0 i	33-11	30-10	26-11 e	38-1	34-7 i	30-0 i
1400S300-68	33	38-9	34-5 e	28-1 e	39-9 i	34-5 i	28-1 a	35-2	32-0 e	27-11 e	39-6 i	34-5 i	28-1 a
1400S300-68	50	38-9	35-2	30-9 e	43-6 i	38-11 i	31-9 i	35-2	32-0	27-11 e	39-6 i	35-11 i	31-4 i
1400S162-97	33	38-11	35-4	30-10	43-8	37-10	30-10 i	35-4	32-2	28-1	39-9	36-1	30-10 i
1400S162-97	50	38-11	35-4	30-11	43-9	39-9	34-8	35-4	32-2	28-1	39-9	36-1	31-6
1400S200-97	33	40-1	36-5	31-10	45-0	39-6	32-3 i	36-5	33-1	28-11	40-11	37-2	32-3 i
1400S200-97	50	40-1	36-5	31-10	45-0	40-11	35-8	36-5	33-1	28-11	40-11	37-2	32-5
1400S250-97	33	41-10	38-0	33-2	46-11	42-1	34-4 i	38-0	34-6	30-2	42-8	38-9	33-10 i
1400S250-97	50	41-10	38-0	33-2	46-11	42-8	37-3	38-0	34-6	30-2	42-8	38-9	33-10
1400S300-97	33	43-5	39-5	34-5	48-9	44-3	36-2 i	39-5	35-10	31-3	44-3	40-2	35-1 i
1400S300-97	50	43-5	39-5	34-5	48-9	44-3	38-8	39-5	35-10	31-3	44-3	40-2	35-1

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Floor Joist Span Tables (feet - inches)

notes:

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10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	11-6 e	10-0 e	8-2 e	11-6 i	10-0 a	8-2 a	10-10 e	9-10 e	8-2 e	11-6 i	10-0 a	8-2 a
600S162-33	33	12-3 e	10-7 e	8-8 e	12-3 a	10-7 a	8-8 a	11-4 e	10-3 e	8-8 e	12-3 a	10-7 a	8-8 a
600S200-33	33	12-5 e	10-9 e	8-9 e	12-5 a	10-9 a	8-9 a	11-9 e	10-8 e	8-9 e	12-5 a	10-9 a	8-9 a
600S137-43	33	13-0	11-6	9-5 e	13-4 i	11-6 i	9-5 i	11-10	10-9	9-4 e	13-3 i	11-6 i	9-5 i
600S162-43	33	13-7	12-3	10-0 e	14-2 i	12-3 i	10-0 i	12-4	11-2	9-9 e	13-10 i	12-3 i	10-0 i
600S200-43	33	14-1	12-4	10-1 e	14-3 i	12-4 i	10-1 i	12-10	11-8	10-1 e	14-3 i	12-4 i	10-1 i
600S250-43	33	14-11	13-4 e	10-11 e	15-5 i	13-4 i	10-11 i	13-7	12-4	10-9 e	15-3 i	13-4 i	10-11 i
600S300-43	33	15-7	14-1 e	11-7 e	16-4 i	14-2 i	11-7 a	14-1	12-10 e	11-2 e	15-10 i	14-2 i	11-7 a
600S137-54	33	13-11	12-8	10-5	14-10	12-10	10-5 i	12-8	11-6	10-1	14-3	12-10	10-5 i
600S137-54	50	13-11	12-8	11-1	15-8	14-3	12-5 i	12-8	11-6	10-1	14-3	12-11	11-3
600S162-54	33	14-7	13-3	11-2	15-9	13-8 i	11-2 i	13-3	12-0	10-6	14-10	13-6 i	11-2 i
600S162-54	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
600S200-54	33	15-2	13-9	11-8	16-6	14-3 i	11-8 i	13-9	12-6	10-11	15-6	14-1 i	11-8 i
600S200-54	50	15-2	13-9	12-0	17-1	15-6	13-6 i	13-9	12-6	10-11	15-6	14-1	12-3 i
600S250-54	33	16-1	14-7	12-4	17-5	15-1 i	12-4 i	14-7	13-3	11-7	16-4	14-10 i	12-4 i
600S250-54	50	16-0	14-6	12-8	17-11	16-3	14-3 i	14-6	13-2	11-6	16-3	14-9	12-11 i
600S300-54	33	16-10	15-3	13-1	18-6 i	16-0 i	13-1 i	15-3	13-11	12-1	17-2	15-7 i	13-1 i
600S300-54	50	16-7	15-1	13-2	18-8	16-11	14-9 i	15-1	13-8	12-0	16-11	15-5	13-5 i
600S137-68	33	15-0	13-7	11-8	16-6	14-3	11-8	13-7	12-4	10-10	15-4	13-11	11-8
600S137-68	50	15-0	13-7	11-11	16-10	15-4	13-4	13-7	12-4	10-10	15-4	13-11	12-2
600S162-68	33	15-8	14-3	12-5	17-7	15-3	12-5	14-3	12-11	11-3	16-0	14-6	12-5
600S162-68	50	15-8	14-3	12-5	17-7	16-0	13-11	14-3	12-11	11-3	16-0	14-6	12-8
600S200-68	33	16-4	14-10	12-11	18-4	16-2	13-2	14-10	13-6	11-9	16-8	15-1	13-2
600S200-68	50	16-4	14-10	12-11	18-4	16-8	14-6	14-10	13-6	11-9	16-8	15-1	13-2
600S250-68	33	17-3	15-8	13-8	19-5	17-4	14-2 i	15-8	14-3	12-5	17-7	16-0	14-0 i
600S250-68	50	17-3	15-8	13-8	19-5	17-7	15-5	15-8	14-3	12-5	17-7	16-0	14-0
600S300-68	33	18-1	16-5	14-4	20-4	18-0	14-8 i	16-5	14-11	13-0	18-6	16-9	14-8 i
600S300-68	50	18-0	16-5	14-4	20-3	18-5	16-1	16-5	14-11	13-0	18-5	16-9	14-7
600S162-97	33	17-5	15-10	13-10	19-7	17-10	14-7	15-10	14-5	12-7	17-10	16-2	14-1
600S162-97	50	17-5	15-10	13-10	19-7	17-10	15-6	15-10	14-5	12-7	17-10	16-2	14-1
600S200-97	33	18-2	16-6	14-5	20-5	18-7	15-7	16-6	15-0	13-1	18-7	16-10	14-9
600S200-97	50	18-2	16-6	14-5	20-5	18-7	16-3	16-6	15-0	13-1	18-7	16-10	14-9
600S250-97	33	19-3	17-6	15-3	21-8	19-8	17-0	17-6	15-11	13-11	19-8	17-10	15-7
600S250-97	50	19-3	17-6	15-3	21-8	19-8	17-2	17-6	15-11	13-11	19-8	17-10	15-7
600S300-97	33	20-3	18-4	16-0	22-8	20-7	18-0	18-4	16-8	14-7	20-7	18-9	16-4
600S300-97	50	20-3	18-4	16-0	22-8	20-7	18-0	18-4	16-8	14-7	20-7	18-9	16-4

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10 psf Dead Load and 40 psf Live Load													
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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	13-2 e	11-5 e	9-1 e	13-2 a	10-11 a	7-3 a	13-2 e	11-5 e	9-1 e	13-2 a	10-11 a	7-3 a
800S162-33	33	14-0 e	12-1 e	9-1 e	14-0 a	10-11 a	7-3 a	14-0 e	12-1 e	9-1 e	14-0 a	10-11 a	7-3 a
800S200-33	33	14-2 e	12-3 e	9-1 e	14-2 a	10-11 a	7-3 a	14-2 e	12-3 e	9-1 e	14-2 a	10-11 a	7-3 a
800S137-43	33	16-5 e	14-2 e	11-7 e	16-5 i	14-2 i	11-7 a	14-11 e	13-7 e	11-7 e	16-5 i	14-2 i	11-7 a
800S162-43	33	17-1 e	15-1 e	12-3 e	17-5 i	15-1 a	12-3 a	15-6 e	14-1 e	12-3 e	17-5 i	15-1 a	12-3 a
800S200-43	33	17-2 e	14-11 e	12-2 e	17-2 i	14-11 a	12-2 a	16-1 e	14-8 e	12-2 e	17-2 i	14-11 a	12-2 a
800S250-43	33	18-6 e	16-0 e	13-1 e	18-6 i	16-0 a	13-1 a	16-11 e	15-5 e	13-1 e	18-6 i	16-0 a	13-1 a
800S300-43	33	19-5 e	16-11 e	13-9 e	19-6 i	16-11 a	13-9 a	17-8 e	16-0 e	13-9 e	19-6 i	16-11 a	13-9 a
800S137-54	33	17-8	15-10	12-11 e	18-3 i	15-10 i	12-11 i	16-1	14-7	12-9 e	18-0 i	15-10 i	12-11 i
800S137-54	50	17-8	16-1	14-0	19-10	18-0 i	15-9 i	16-1	14-7	12-9	18-0	16-5	14-4 i
800S162-54	33	18-5	16-8	13-8 e	19-4 i	16-9 i	13-8 i	16-8	15-2	13-3 e	18-9 i	16-9 i	13-8 i
800S162-54	50	18-5	16-8	14-7	20-8	18-9 i	16-4 i	16-8	15-2	13-3	18-9	17-0 i	14-10 i
800S200-54	33	19-1	17-4	14-3 e	20-2 i	17-5 i	14-3 i	17-4	15-9	13-9 e	19-5 i	17-5 i	14-3 i
800S200-54	50	19-1	17-4	15-2	21-5	19-5 i	16-4 i	17-4	15-9	13-9	19-5	17-8 i	15-5 i
800S250-54	33	20-1	18-3	14-11 e	21-2 i	18-4 i	14-11 i	18-3	16-7	14-6 e	20-6 i	18-4 i	14-11 i
800S250-54	50	20-0	18-2	15-10 e	22-5 i	20-5 i	17-5 i	18-2	16-6	14-5	20-5	18-6 i	16-2 i
800S300-54	33	21-0	19-1 e	15-10 e	22-5 i	19-5 i	15-10 i	19-1	17-4	15-1 e	21-5 i	19-5 i	15-10 i
800S300-54	50	20-9	18-10	16-6 e	23-4 i	21-2 i	18-3 i	18-10	17-1	14-11	21-2	19-3 i	16-10 i
800S137-68	33	19-0	17-3	14-5	20-5	17-8	14-5 i	17-3	15-8	13-8	19-5	17-7	14-5 i
800S137-68	50	19-0	17-3	15-1	21-4	19-5	16-11	17-3	15-8	13-8	19-5	17-7	15-5
800S162-68	33	19-9	17-11	15-3	21-7	18-8	15-3 i	17-11	16-4	14-3	20-2	18-4	15-3 i
800S162-68	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
800S200-68	33	20-6	18-8	16-1	22-10	19-9	16-1 i	18-8	16-11	14-9	20-11	19-0	16-1 i
800S200-68	50	20-6	18-8	16-3	23-1	20-11	18-3 i	18-8	16-11	14-9	20-11	19-0	16-7
800S250-68	33	21-7	19-8	17-2	24-3	21-0 i	17-2 i	19-8	17-10	15-7	22-1	20-0 i	17-2 i
800S250-68	50	21-7	19-8	17-2	24-3	22-1	19-3 i	19-8	17-10	15-7	22-1	20-0	17-6
800S300-68	33	22-7	20-6	17-9	25-2	21-9 i	17-9 i	20-6	18-8	16-3	23-0	20-11 i	17-9 i
800S300-68	50	22-6	20-5	17-10	25-3	22-11	20-0 i	20-5	18-7	16-3	22-11	20-10	18-2 i
800S162-97	33	22-1	20-0	17-6	24-9	22-1	18-0	20-0	18-2	15-11	22-6	20-5	17-10
800S162-97	50	22-1	20-0	17-6	24-9	22-6	19-8	20-0	18-2	15-11	22-6	20-5	17-10
800S200-97	33	22-11	20-10	18-2	25-9	23-4	19-1	20-10	18-11	16-6	23-4	21-3	18-7
800S200-97	50	22-11	20-10	18-2	25-9	23-4	20-5	20-10	18-11	16-6	23-4	21-3	18-7
800S250-97	33	24-2	21-11	19-2	27-1	24-8	20-7	21-11	19-11	17-5	24-8	22-5	19-7
800S250-97	50	24-2	21-11	19-2	27-1	24-8	21-6	21-11	19-11	17-5	24-8	22-5	19-7
800S300-97	33	25-3	22-11	20-0	28-4	25-9	21-11	22-11	20-10	18-2	25-9	23-5	20-5
800S300-97	50	25-3	22-11	20-0	28-4	25-9	22-6	22-11	20-10	18-2	25-9	23-5	20-5

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	14-1 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a	14-1 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a
925S162-33	33	15-0 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a	15-0 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a
925S200-33	33	15-3 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a	15-3 e	11-9 e	7-10 e	12-6 a	9-5 a	6-3 a
925S137-43	33	17-6 e	15-2 e	12-5 e	17-6 i	15-2 a	12-5 a	16-10 e	15-2 e	12-5 e	17-6 i	15-2 a	12-5 a
925S162-43	33	18-7 e	16-1 e	13-2 e	18-7 a	16-1 a	13-2 a	17-6 e	15-11 e	13-2 e	18-7 a	16-1 a	13-2 a
925S200-43	33	18-4 e	15-11 e	13-0 e	18-4 a	15-11 a	13-0 a	18-1 e	15-11 e	13-0 e	18-4 a	15-11 a	13-0 a
925S250-43	33	19-9 e	17-1 e	14-0 e	19-9 a	17-1 a	13-11 a	19-0 e	17-1 e	14-0 e	19-9 a	17-1 a	13-11 a
925S300-43	33	20-11 e	18-1 e	14-9 e	20-11 a	18-1 a	13-11 a	19-9 e	18-0 e	14-9 e	20-11 a	18-1 a	13-11 a
925S137-54	33	20-0	17-8	14-5 e	20-5 i	17-8 i	14-5 i	18-2	16-6	14-5 e	20-4 i	17-8 i	14-5 i
925S137-54	50	20-0	18-2	15-10 e	22-5 i	20-4 i	16-10 i	18-2	16-6	14-5	20-4	18-6 i	16-2 i
925S162-54	33	20-9	18-8 e	15-3 e	21-7 i	18-8 i	15-3 i	18-10	17-1	14-11 e	21-2 i	18-8 i	15-3 i
925S162-54	50	20-9	18-10	16-5 e	23-3 i	21-2 i	17-10 i	18-10	17-1	14-11 e	21-2	19-2 i	16-9 i
925S200-54	33	21-5	19-4 e	15-10 e	22-4 i	19-4 i	15-10 a	19-6	17-8	15-5 e	21-10 i	19-4 i	15-10 a
925S200-54	50	21-5	19-6	17-0 e	24-1 i	21-5 i	17-6 i	19-6	17-8	15-5 e	21-10 i	19-10 i	17-4 i
925S250-54	33	22-6	20-3 e	16-7 e	23-5 i	20-3 i	16-7 a	20-5	18-7 e	16-3 e	23-0 i	20-3 i	16-7 a
925S250-54	50	22-6	20-5	17-10 e	25-3 i	22-10 i	18-8 i	20-5	18-6	16-2 e	22-11 i	20-10 i	18-2 i
925S300-54	33	23-6	21-4 e	17-6 e	24-9 i	21-5 i	17-6 a	21-4	19-5 e	16-11 e	24-0 i	21-5 i	17-6 a
925S300-54	50	23-4	21-2	18-6 e	26-2 i	23-9 i	19-6 i	21-2	19-3	16-9 e	23-9 i	21-7 i	18-10 i
925S137-68	33	21-6	19-6	16-1	22-9	19-8 i	16-1 i	19-6	17-9	15-6	21-11	19-8 i	16-1 i
925S137-68	50	21-6	19-6	17-0	24-1	21-11	19-2 i	19-6	17-9	15-6	21-11	19-11	17-5 i
925S162-68	33	22-3	20-3	17-0	24-1	20-10 i	17-0 i	20-3	18-5	16-1	22-9	20-8 i	17-0 i
925S162-68	50	22-3	20-3	17-8	25-0	22-9	19-10 i	20-3	18-5	16-1	22-9	20-8	18-0 i
925S200-68	33	23-1	21-0	17-11	25-4	21-11 i	17-11 i	21-0	19-1	16-8	23-6	21-5 i	17-11 i
925S200-68	50	23-1	21-0	18-4	25-11	23-6	20-7 i	21-0	19-1	16-8	23-6	21-5	18-8 i
925S250-68	33	24-3	22-0	19-0	26-10 i	23-3 i	19-0 i	22-0	20-0	17-6	24-9	22-6 i	19-0 i
925S250-68	50	24-3	22-0	19-3	27-3	24-9	21-7 i	22-0	20-0	17-6	24-9	22-6	19-7 i
925S300-68	33	25-4	23-0	19-7	27-9 i	24-0 i	19-7 i	23-0	20-10	18-3	25-10 i	23-5 i	19-7 i
925S300-68	50	25-2	22-11	20-0	28-3	25-8	22-5 i	22-11	20-9	18-2	25-8	23-4	20-5 i
925S162-97	33	24-11	22-7	19-9	27-11	24-7	20-1	22-7	20-6	17-11	25-5	23-1	20-1
925S162-97	50	24-11	22-7	19-9	27-11	25-5	22-2	22-7	20-6	17-11	25-5	23-1	20-2
925S200-97	33	25-9	23-5	20-5	28-11	25-11	21-2	23-5	21-3	18-7	26-4	23-11	20-10
925S200-97	50	25-9	23-5	20-5	28-11	26-4	23-0	23-5	21-3	18-7	26-4	23-11	20-10
925S250-97	33	27-1	24-7	21-6	30-5	27-8	22-10	24-7	22-4	19-6	27-8	25-1	21-11
925S250-97	50	27-1	24-7	21-6	30-5	27-8	24-2	24-7	22-4	19-6	27-8	25-1	21-11
925S300-97	33	28-4	25-8	22-5	31-9	28-10	24-2	25-8	23-4	20-5	28-10	26-3	22-11
925S300-97	50	28-4	25-8	22-5	31-9	28-10	25-3	25-8	23-4	20-5	28-10	26-3	22-11

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a
1000S162-33	33	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a
1000S200-33	33	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a	14-6 e	10-10 e	7-3 e	11-7 a	8-8 a	5-9 a
1000S137-43	33	18-2 e	15-8 e	12-10 e	18-2 a	15-8 a	12-10 a	18-0 e	15-8 e	12-10 e	18-2 a	15-8 a	12-10 a
1000S162-43	33	19-3 e	16-8 e	13-7 e	19-3 a	16-8 a	12-10 a	18-8 e	16-8 e	13-7 e	19-3 a	16-8 a	12-10 a
1000S200-43	33	19-0 e	16-6 e	13-5 e	19-0 a	16-6 a	12-10 a	19-0 e	16-6 e	13-5 e	19-0 a	16-6 a	12-10 a
1000S250-43	33	20-6 e	17-9 e	14-6 e	20-6 a	17-9 a	12-10 a	20-3 e	17-9 e	14-6 e	20-6 a	17-9 a	12-10 a
1000S300-43	33	21-8 e	18-10 e	15-4 e	21-8 a	18-10 a	12-10 a	21-1 e	18-10 e	15-4 e	21-8 a	18-10 a	12-10 a
1000S137-54	33	21-4	18-9 e	15-4 e	21-8 i	18-9 i	15-4 a	19-5	17-7 e	15-4 e	21-8 i	18-9 i	15-4 a
1000S137-54	50	21-4	19-5	16-11 e	23-11 i	21-4 i	17-5 i	19-5	17-7	15-4 e	21-9 i	19-9 i	17-3 i
1000S162-54	33	22-1	19-9 e	16-2 e	22-10 i	19-9 i	16-2 a	20-1	18-3 e	15-11 e	22-6 i	19-9 i	16-2 a
1000S162-54	50	22-1	20-1	17-6 e	24-10 i	22-6 i	18-5 i	20-1	18-3	15-11 e	22-6 i	20-6 i	17-11 i
1000S200-54	33	22-10 e	20-5 e	16-8 e	23-7 i	20-5 i	16-8 a	20-9	18-10 e	16-6 e	23-4 i	20-5 i	16-8 a
1000S200-54	50	22-10	20-9	18-1 e	25-8 i	22-2 i	18-1 i	20-9	18-10	16-6 e	23-4 i	21-2 i	18-1 i
1000S250-54	33	24-0 e	21-2 e	17-3 e	24-5 i	21-2 i	17-3 a	21-9	19-9 e	17-3 e	24-5 i	21-2 i	17-3 a
1000S250-54	50	23-11	21-9 e	19-0 e	26-11 i	23-8 i	19-4 a	21-9	19-9	17-3 e	24-5 i	22-2 i	19-4 a
1000S300-54	33	25-0 e	22-3 e	18-2 e	25-8 i	22-3 i	18-2 a	22-8	20-7 e	18-0 e	25-6 i	22-3 i	18-2 a
1000S300-54	50	24-10	22-6 e	19-8 e	27-10 i	24-10 i	20-3 a	22-6	20-6	17-11 e	25-4 i	23-0 i	20-1 a
1000S137-68	33	22-11	20-10	17-1	24-2	20-11 i	17-1 i	20-10	18-11	16-6	23-5	20-11 i	17-1 i
1000S137-68	50	22-11	20-10	18-2	25-9	23-5	20-5 i	20-10	18-11	16-6	23-5	21-3	18-7 i
1000S162-68	33	23-9	21-7	18-0	25-6 i	22-1 i	18-0 i	21-7	19-7	17-2	24-3	22-0 i	18-0 i
1000S162-68	50	23-9	21-7	18-10	26-8	24-3	21-2 i	21-7	19-7	17-2	24-3	22-0	19-3 i
1000S200-68	33	24-7	22-4	18-11	26-9 i	23-2 i	18-11 i	22-4	20-4	17-9	25-1	22-9 i	18-11 i
1000S200-68	50	24-7	22-4	19-6	27-7	25-1	21-11 i	22-4	20-4	17-9	25-1	22-9	19-11 i
1000S250-68	33	25-10	23-5	20-1 e	28-4 i	24-7 i	20-1 i	23-5	21-3	18-7	26-4 i	23-11 i	20-1 i
1000S250-68	50	25-10	23-5	20-6	29-0	26-4 i	23-0 i	23-5	21-3	18-7	26-4	23-11	20-11 i
1000S300-68	33	26-11	24-5	20-8 e	29-4 i	25-4 i	20-8 i	24-5	22-2	19-5 e	27-5 i	24-11 i	20-8 i
1000S300-68	50	26-10	24-4	21-3	30-1	27-4 i	23-11 i	24-4	22-1	19-4	27-4	24-10	21-8 i
1000S162-97	33	26-7	24-2	21-1	29-10	26-1	21-3	24-2	21-11	19-2	27-1	24-7	21-3
1000S162-97	50	26-7	24-2	21-1	29-10	27-1	23-8	24-2	21-11	19-2	27-1	24-7	21-6
1000S200-97	33	27-6	25-0	21-10	30-10	27-5	22-5	25-0	22-8	19-10	28-0	25-6	22-3
1000S200-97	50	27-6	25-0	21-10	30-10	28-0	24-6	25-0	22-8	19-10	28-0	25-6	22-3
1000S250-97	33	28-10	26-3	22-11	32-5	29-5	24-1	26-3	23-10	20-10	29-5	26-9	23-4
1000S250-97	50	28-10	26-3	22-11	32-5	29-5	25-9	26-3	23-10	20-10	29-5	26-9	23-4
1000S300-97	33	30-1	27-4	23-11	33-10	30-8	25-6	27-4	24-10	21-8	30-8	27-11	24-4
1000S300-97	50	30-1	27-4	23-11	33-10	30-8	26-10	27-4	24-10	21-8	30-8	27-11	24-4

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10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1125S162-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1125S200-33	33	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a	12-10 e	9-7 e	6-5 e	10-3 a	7-8 a	5-1 a
1125S137-43	33	19-1 e	16-7 e	13-6 e	19-1 a	16-7 a	11-5 a	19-1 e	16-7 e	13-6 e	19-1 a	16-7 a	11-5 a
1125S162-43	33	20-4 e	17-7 e	14-3 e	20-4 a	17-1 a	11-5 a	20-4 e	17-7 e	14-3 e	20-4 a	17-1 a	11-5 a
1125S200-43	33	20-1 e	17-5 e	14-2 e	20-1 a	17-1 a	11-5 a	20-1 e	17-5 e	14-2 e	20-1 a	17-1 a	11-5 a
1125S250-43	33	21-8 e	18-9 e	14-3 e	21-8 a	17-1 a	11-5 a	21-8 e	18-9 e	14-3 e	21-8 a	17-1 a	11-5 a
1125S300-43	33	23-0 e	19-11 e	14-3 e	22-10 a	17-1 a	11-5 a	23-0 e	19-11 e	14-3 e	22-10 a	17-1 a	11-5 a
1125S137-54	33	22-10 e	19-9 e	16-1 e	22-10 i	19-9 i	16-1 a	21-5	19-6 e	16-1 e	22-10 i	19-9 i	16-1 a
1125S137-54	50	23-7	21-5 e	18-4 e	26-0 i	22-6 i	18-4 a	21-5	19-6	17-0 e	24-1 i	21-10 i	18-4 a
1125S162-54	33	24-1 e	20-10 e	17-0 e	24-1 i	20-10 i	17-0 a	22-2 e	20-1 e	17-0 e	24-1 i	20-10 i	17-0 a
1125S162-54	50	24-5	22-2 e	19-4 e	27-5 i	23-10 i	19-6 a	22-2	20-1	17-7 e	24-10 i	22-7 i	19-6 a
1125S200-54	33	24-10 e	21-6 e	17-6 e	24-10 i	21-6 i	17-6 a	22-10 e	20-9 e	17-6 e	24-10 i	21-6 i	17-6 a
1125S200-54	50	25-2	22-10 e	19-2 e	27-1 i	23-6 i	19-2 a	22-10	20-9 e	18-2 e	25-8 i	23-4 i	19-2 a
1125S250-54	33	25-9 e	22-4 e	18-2 e	25-9 i	22-4 a	18-2 a	23-11 e	21-9 e	18-2 e	25-9 i	22-4 a	18-2 a
1125S250-54	50	26-4	23-11 e	20-5 e	28-11 i	25-1 i	20-5 a	23-11	21-9 e	19-0 e	26-10 i	24-5 i	20-5 a
1125S300-54	33	27-1 e	23-6 e	19-2 e	27-1 i	23-6 a	19-2 a	24-11 e	22-7 e	19-2 e	27-1 i	23-6 a	19-2 a
1125S300-54	50	27-3 e	24-9 e	21-6 e	30-5 i	26-4 i	21-6 a	24-9	22-6 e	19-8 e	27-10 i	25-3 i	21-6 a
1125S137-68	33	25-5	22-11	18-9 e	26-6 i	22-11 i	18-9 i	23-1	20-11	18-3	25-11 i	22-11 i	18-9 i
1125S137-68	50	25-5	23-1	20-2	28-6	25-11 i	22-4 i	23-1	20-11	18-3	25-11	23-6	20-6 i
1125S162-68	33	26-3	23-10	19-8 e	27-10 i	24-1 i	19-8 i	23-10	21-8	18-11 e	26-9 i	24-1 i	19-8 i
1125S162-68	50	26-3	23-10	20-10	29-6	26-9 i	23-5 i	23-10	21-8	18-11	26-9	24-4	21-3 i
1125S200-68	33	27-1	24-7	20-8 e	29-2 i	25-3 i	20-8 i	24-7	22-4	19-6 e	27-8 i	25-1 i	20-8 i
1125S200-68	50	27-1	24-7	21-6	30-5	27-8 i	24-0 i	24-7	22-4	19-6	27-8	25-1 i	21-11 i
1125S250-68	33	28-4	25-9	21-10 e	30-10 i	26-8 i	21-10 i	25-9	23-5	20-5 e	28-11 i	26-3 i	21-10 i
1125S250-68	50	28-4	25-9	22-6	31-10	28-11 i	24-3 i	25-9	23-5	20-5	28-11	26-3 i	22-11 i
1125S300-68	33	29-6	26-10	22-6 e	31-10 i	27-7 i	22-6 i	26-10	24-4	21-3 e	30-1 i	27-4 i	22-6 i
1125S300-68	50	29-6	26-9	23-5 e	33-1 i	30-1 i	25-7 i	26-9	24-4	21-3	30-1	27-4 i	23-10 i
1125S162-97	33	29-4	26-8	23-3	32-11	28-6	23-3	26-8	24-2	21-2	29-11	27-2	23-3
1125S162-97	50	29-4	26-8	23-3	32-11	29-11	26-2	26-8	24-2	21-2	29-11	27-2	23-9
1125S200-97	33	30-4	27-6	24-0	34-0	29-11	24-5	27-6	25-0	21-10	30-11	28-1	24-5
1125S200-97	50	30-4	27-6	24-0	34-0	30-11	27-0	27-6	25-0	21-10	30-11	28-1	24-6
1125S250-97	33	31-9	28-10	25-2	35-8	32-1	26-2 i	28-10	26-2	22-11	32-5	29-5	25-8 i
1125S250-97	50	31-9	28-10	25-2	35-8	32-5	28-3	28-10	26-2	22-11	32-5	29-5	25-8 i
1125S300-97	33	33-1	30-0	26-3	37-1	33-9	27-8 i	30-0	27-3	23-10	33-9	30-7	26-9 i
1125S300-97	50	33-1	30-0	26-3	37-1	33-9	29-5	30-0	27-3	23-10	33-9	30-7	26-9

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a
1200S162-33	33	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a
1200S200-33	33	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a	12-0 e	9-0 e	6-0 e	9-7 a	7-2 a	4-9 a
1200S137-43	33	19-8 e	17-1 e	13-4 e	19-8 a	16-0 a	10-8 a	19-8 e	17-1 e	13-4 e	19-8 a	16-0 a	10-8 a
1200S162-43	33	20-11 e	18-2 e	13-4 e	20-11 a	16-0 a	10-8 a	20-11 e	18-2 e	13-4 e	20-11 a	16-0 a	10-8 a
1200S200-43	33	20-9 e	17-11 e	13-4 e	20-9 a	16-0 a	10-8 a	20-9 e	17-11 e	13-4 e	20-9 a	16-0 a	10-8 a
1200S250-43	33	22-5 e	19-5 e	13-4 e	21-4 a	16-0 a	10-8 a	22-5 e	19-5 e	13-4 e	21-4 a	16-0 a	10-8 a
1200S300-43	33	23-9 e	20-0 e	13-4 e	21-4 a	16-0 a	10-8 a	23-9 e	20-0 e	13-4 e	21-4 a	16-0 a	10-8 a
1200S137-54	33	23-5 e	20-3 e	16-7 e	23-5 i	20-3 i	16-7 a	22-8 e	20-3 e	16-7 e	23-5 i	20-3 i	16-7 a
1200S137-54	50	24-11	22-8 e	18-11 e	26-9 i	23-2 i	18-11 a	22-8	20-7 e	18-0 e	25-5 i	23-1 i	18-11 a
1200S162-54	33	24-9 e	21-5 e	17-6 e	24-9 i	21-5 a	17-6 a	23-5 e	21-3 e	17-6 e	24-9 i	21-5 a	17-6 a
1200S162-54	50	25-9	23-5 e	20-1 e	28-5 i	24-7 i	20-1 a	23-5	21-3 e	18-7 e	26-3 i	23-10 i	20-1 a
1200S200-54	33	25-6 e	22-1 e	18-0 e	25-6 i	22-1 a	18-0 a	24-1 e	21-11 e	18-0 e	25-6 i	22-1 a	18-0 a
1200S200-54	50	26-7 e	24-1 e	19-9 e	28-0 i	24-2 i	19-9 a	24-1	21-11 e	19-2 e	27-1 i	24-2 i	19-9 a
1200S250-54	33	26-6 e	22-11 e	18-9 e	26-6 i	22-11 a	18-9 a	25-3 e	22-11 e	18-9 e	26-6 i	22-11 a	18-9 a
1200S250-54	50	27-9 e	25-3 e	21-1 e	29-10 i	25-10 i	21-1 a	25-3	22-11 e	20-0 e	28-4 i	25-9 i	21-1 a
1200S300-54	33	27-11 e	24-2 e	19-9 e	27-11 a	24-2 a	19-9 a	26-2 e	23-10 e	19-9 e	27-11 a	24-2 a	19-9 a
1200S300-54	50	28-9 e	26-2 e	22-2 e	31-4 i	27-2 a	21-2 a	26-2 e	23-9 e	20-9 e	29-4 i	26-8 a	21-2 a
1200S137-68	33	26-10	24-2	19-8 e	27-11 i	24-2 i	19-8 i	24-4	22-2	19-4 e	27-4 i	24-2 i	19-8 i
1200S137-68	50	26-10	24-4	21-3	30-2	27-4 i	22-11 i	24-4	22-2	19-4	27-4	24-10 i	21-9 i
1200S162-68	33	27-9	25-2	20-8 e	29-3 i	25-4 i	20-8 i	25-2	22-10	20-0 e	28-3 i	25-4 i	20-8 i
1200S162-68	50	27-9	25-2	22-0	31-1	28-3 i	24-3 i	25-2	22-10	20-0	28-3	25-8 i	22-5 i
1200S200-68	33	28-7	26-0	21-8 e	30-7 i	26-6 i	21-8 i	26-0	23-7	20-7 e	29-2 i	26-6 i	21-8 i
1200S200-68	50	28-7	26-0	22-8 e	32-1	29-2 i	24-8 i	26-0	23-7	20-7	29-2	26-6 i	23-2 i
1200S250-68	33	29-11	27-2 e	22-10 e	32-4 i	28-0 i	22-10 i	27-2	24-8	21-7 e	30-6 i	27-8 i	22-10 i
1200S250-68	50	29-11	27-2	23-9 e	33-7 i	30-6 i	25-0 i	27-2	24-8	21-7	30-6	27-8 i	24-2 i
1200S300-68	33	31-1	28-3 e	23-6 e	33-3 i	28-9 i	23-6 i	28-3	25-8	22-5 e	31-8 i	28-9 i	23-6 i
1200S300-68	50	31-1	28-3	24-8 e	34-11 i	31-8 i	26-5 i	28-3	25-8	22-5	31-8	28-10 i	25-2 i
1200S162-97	33	31-0	28-2	24-5	34-7	30-0	24-5	28-2	25-7	22-4	31-7	28-9	24-5
1200S162-97	50	31-0	28-2	24-7	34-10	31-7	27-7	28-2	25-7	22-4	31-7	28-9	25-1
1200S200-97	33	32-0	29-1	25-4	35-11	31-5	25-8 i	29-1	26-5	23-1	32-7	29-8	25-8 i
1200S200-97	50	32-0	29-1	25-4	35-11	32-7	28-6	29-1	26-5	23-1	32-7	29-8	25-11
1200S250-97	33	33-5	30-5	26-6	37-7	33-7	27-5 i	30-5	27-7	24-1	34-1	31-0	27-1 i
1200S250-97	50	33-5	30-5	26-6	37-7	34-1	29-10	30-5	27-7	24-1	34-1	31-0	27-1
1200S300-97	33	34-10	31-7	27-7	39-1	35-6	28-11 i	31-7	28-9	25-1	35-6	32-3	28-2 i
1200S300-97	50	34-10	31-7	27-7	39-1	35-6	31-0	31-7	28-9	25-1	35-6	32-3	28-2

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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10 psf Dead Load and 40 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a
1400S162-33	33	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a
1400S200-33	33	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a	10-3 e	7-8 e	5-1 e	8-2 a	6-2 a	4-1 a
1400S137-43	33	21-2 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a	21-2 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a
1400S162-43	33	22-6 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a	22-6 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a
1400S200-43	33	22-4 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a	22-4 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a
1400S250-43	33	22-9 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a	22-9 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a
1400S300-43	33	22-9 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a	22-9 e	17-1 e	11-4 e	18-3 a	13-8 a	9-1 a
1400S137-54	33	25-1 e	21-8 e	17-8 e	25-1 a	21-8 a	17-8 a	25-1 e	21-8 e	17-8 e	25-1 a	21-8 a	17-8 a
1400S137-54	50	27-9 e	24-11 e	20-4 e	28-9 i	24-11 a	18-0 a	25-3 e	22-11 e	20-0 e	28-4 i	24-11 a	18-0 a
1400S162-54	33	26-6 e	22-11 e	18-9 e	26-6 a	22-11 a	18-0 a	26-6 e	22-11 e	18-9 e	26-6 a	22-11 a	18-0 a
1400S162-54	50	28-8 e	26-0 e	21-7 e	30-7 i	26-5 a	18-0 a	26-0 e	23-8 e	20-8 e	29-3 i	26-5 a	18-0 a
1400S200-54	33	27-4 e	23-8 e	19-4 e	27-4 a	23-8 a	18-0 a	27-4 e	23-8 e	19-4 e	27-4 a	23-8 a	18-0 a
1400S200-54	50	29-10 e	26-1 e	21-3 e	30-2 i	26-1 a	18-0 a	27-2 e	24-8 e	21-3 e	30-2 i	26-1 a	18-0 a
1400S250-54	33	28-6 e	24-8 e	20-1 e	28-6 a	24-8 a	18-0 a	28-6 e	24-8 e	20-1 e	28-6 a	24-8 a	18-0 a
1400S250-54	50	31-2 e	27-10 e	22-7 e	32-2 a	27-1 a	18-0 a	28-4 e	25-9 e	22-6 e	31-10 a	27-1 a	18-0 a
1400S300-54	33	30-1 e	26-0 e	21-3 e	30-1 a	26-0 a	18-0 a	29-8 e	26-0 e	21-3 e	30-1 a	26-0 a	18-0 a
1400S300-54	50	32-5 e	29-4 e	22-7 e	33-10 a	27-1 a	18-0 a	29-5 e	26-9 e	22-7 e	33-0 a	27-1 a	18-0 a
1400S137-68	33	30-3	26-2 e	21-5 e	30-3 i	26-2 i	21-5 i	27-10	25-4 e	21-5 e	30-3 i	26-2 i	21-5 i
1400S137-68	50	30-8	27-10	24-4 e	34-5 i	30-1 i	24-6 i	27-10	25-4	22-1 e	31-4 i	28-5 i	24-6 i
1400S162-68	33	31-7	27-6 e	22-6 e	31-9 i	27-6 i	22-6 e	28-9	26-1 e	22-6 e	31-9 i	27-6 i	22-6 e
1400S162-68	50	31-7	28-9	25-1 e	35-6 i	31-9 i	25-11 i	28-9	26-1	22-9 e	32-3 i	29-4 i	25-7 i
1400S200-68	33	32-6	28-9 e	23-6 e	33-3 i	28-9 i	23-6 a	29-7	26-10 e	23-5 e	33-2 i	28-9 i	23-6 a
1400S200-68	50	32-6	29-7	25-10 e	36-6 i	32-5 i	26-5 i	29-7	26-10	23-5 e	33-2 i	30-2 i	26-4 i
1400S250-68	33	33-11 e	30-2 e	24-8 e	34-10 i	30-2 i	24-8 a	30-10	28-0 e	24-5 e	34-7 i	30-2 i	24-8 a
1400S250-68	50	33-11	30-10	26-10 e	38-0 i	32-10 i	26-10 i	30-10	28-0	24-5 e	34-7 i	31-5 i	26-10 i
1400S300-68	33	35-2 e	30-10 e	25-2 e	35-7 i	30-10 i	25-2 a	32-0	29-0 e	25-2 e	35-7 i	30-10 i	25-2 a
1400S300-68	50	35-2	32-0 e	27-11 e	39-6 i	34-10 i	28-5 a	32-0	29-0	25-4 e	35-11 i	32-7 i	28-5 a
1400S162-97	33	35-4	32-2	27-7	39-1	33-10	27-7 i	32-2	29-2	25-6	36-1	32-9	27-7 i
1400S162-97	50	35-4	32-2	28-1	39-9	36-1	31-6	32-2	29-2	25-6	36-1	32-9	28-7
1400S200-97	33	36-5	33-1	28-10	40-10	35-4	28-10 i	33-1	30-1	26-3	37-2	33-9	28-10 i
1400S200-97	50	36-5	33-1	28-11	40-11	37-2	32-5	33-1	30-1	26-3	37-2	33-9	29-6
1400S250-97	33	38-0	34-6	30-2	42-8	37-8 i	30-9 i	34-6	31-4	27-4	38-9	35-2	30-9 i
1400S250-97	50	38-0	34-6	30-2	42-8	38-9	33-10 i	34-6	31-4	27-4	38-9	35-2	30-9
1400S300-97	33	39-5	35-10	31-3	44-3	39-7 i	32-4 i	35-10	32-6	28-5	40-2	36-6 i	31-11 i
1400S300-97	50	39-5	35-10	31-3	44-3	40-2	35-1 i	35-10	32-6	28-5	40-2	36-6	31-11

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Floor Joist Span Tables (feet - inches)

notes:

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10 psf Dead Load and 50 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	10-6 e	9-1 e	7-5 e	10-6 a	9-1 a	7-5 a	10-1 e	9-1 e	7-5 e	10-6 a	9-1 a	7-5 a
600S162-33	33	11-2 e	9-8 e	7-10 e	11-2 a	9-8 a	7-10 a	10-6 e	9-6 e	7-10 e	11-2 a	9-8 a	7-10 a
600S200-33	33	11-4 e	9-9 e	8-0 e	11-4 a	9-9 a	8-0 a	10-11 e	9-9 e	8-0 e	11-4 a	9-9 a	8-0 a
600S137-43	33	12-1	10-6 e	8-7 e	12-2 i	10-6 i	8-7 i	10-11	9-11	8-7 e	12-2 i	10-6 i	8-7 i
600S162-43	33	12-7	11-2 e	9-2 e	12-11 i	11-2 i	9-2 i	11-5	10-5 e	9-1 e	12-10 i	11-2 i	9-2 i
600S200-43	33	13-0	11-3 e	9-2 e	13-0 i	11-3 i	9-2 a	11-11	10-10 e	9-2 e	13-0 i	11-3 i	9-2 a
600S250-43	33	13-10 e	12-2 e	9-11 e	14-1 i	12-2 i	9-11 a	12-7	11-5 e	9-11 e	14-1 i	12-2 i	9-11 a
600S300-43	33	14-5 e	12-11 e	10-6 e	14-11 i	12-11 i	10-6 a	13-1	11-11 e	10-5 e	14-9 i	12-11 i	10-6 a
600S137-54	33	12-11	11-8	9-7	13-6	11-8 i	9-7 i	11-9	10-8	9-4	13-3	11-8 i	9-7 i
600S137-54	50	12-11	11-9	10-3	14-7	13-3	11-6 i	11-9	10-8	9-4	13-3	12-0	10-6 i
600S162-54	33	13-6	12-3	10-2	14-5	12-6 i	10-2 i	12-3	11-2	9-9	13-9	12-6 i	10-2 i
600S162-54	50	13-6	12-3	10-9	15-2	13-9	12-1 i	12-3	11-2	9-9	13-9	12-6	10-11 i
600S200-54	33	14-1	12-10	10-8	15-1 i	13-1 i	10-8 i	12-10	11-7	10-2	14-4	13-1 i	10-8 i
600S200-54	50	14-1	12-10	11-2	15-10	14-4	12-4 i	12-10	11-7	10-2	14-4	13-1	11-5 i
600S250-54	33	14-11	13-6	11-3	15-11 i	13-9 i	11-3 i	13-6	12-3	10-9	15-2 i	13-9 i	11-3 i
600S250-54	50	14-10	13-5	11-9	16-8	15-1 i	13-2 i	13-5	12-3	10-8	15-1	13-9	12-0 i
600S300-54	33	15-7	14-2	11-11 e	16-10 i	14-7 i	11-11 i	14-2	12-11	11-3	15-11 i	14-6 i	11-11 i
600S300-54	50	15-5	14-0	12-3	17-4	15-9 i	13-9 i	14-0	12-9	11-1	15-9	14-3	12-6 i
600S137-68	33	13-11	12-8	10-7	15-1	13-0	10-7	12-8	11-6	10-0	14-2	12-11	10-7
600S137-68	50	13-11	12-8	11-0	15-8	14-2	12-5	12-8	11-6	10-0	14-2	12-11	11-3
600S162-68	33	14-6	13-2	11-4	16-1	13-11	11-4	13-2	12-0	10-6	14-10	13-6	11-4
600S162-68	50	14-6	13-2	11-6	16-4	14-10	12-11	13-2	12-0	10-6	14-10	13-6	11-9
600S200-68	33	15-2	13-9	12-0	17-0	14-9	12-1 i	13-9	12-6	10-11	15-5	14-0	12-1 i
600S200-68	50	15-2	13-9	12-0	17-0	15-5	13-6	13-9	12-6	10-11	15-5	14-0	12-3
600S250-68	33	16-0	14-7	12-8	18-0	15-10	12-11 i	14-7	13-3	11-7	16-4	14-10	12-11 i
600S250-68	50	16-0	14-7	12-8	18-0	16-4	14-3	14-7	13-3	11-7	16-4	14-10	13-0
600S300-68	33	16-10	15-3	13-4	18-10	16-5	13-5 i	15-3	13-10	12-1	17-2	15-7	13-5 i
600S300-68	50	16-9	15-2	13-3	18-10	17-1	14-11	15-2	13-10	12-1	17-1	15-6	13-7
600S162-97	33	16-2	14-8	12-10	18-2	16-4	13-4	14-8	13-4	11-8	16-6	15-0	13-1
600S162-97	50	16-2	14-8	12-10	18-2	16-6	14-5	14-8	13-4	11-8	16-6	15-0	13-1
600S200-97	33	16-11	15-4	13-5	19-0	17-3	14-3	15-4	13-11	12-2	17-3	15-8	13-8
600S200-97	50	16-11	15-4	13-5	19-0	17-3	15-1	15-4	13-11	12-2	17-3	15-8	13-8
600S250-97	33	17-11	16-3	14-2	20-1	18-3	15-6	16-3	14-9	12-11	18-3	16-7	14-6
600S250-97	50	17-11	16-3	14-2	20-1	18-3	15-11	16-3	14-9	12-11	18-3	16-7	14-6
600S300-97	33	18-9	17-1	14-11	21-1	19-2	16-7	17-1	15-6	13-6	19-2	17-5	15-2
600S300-97	50	18-9	17-1	14-11	21-1	19-2	16-9	17-1	15-6	13-6	19-2	17-5	15-2

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Floor Joist Span Tables (feet - inches)

notes:

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- "a" requires web stiffeners at all supports

10 psf Dead Load and 50 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	12-0 e	10-5 e	7-7 e	12-0 a	9-1 a	6-1 a	12-0 e	10-5 e	7-7 e	12-0 a	9-1 a	6-1 a
800S162-33	33	12-9 e	11-1 e	7-7 e	12-2 a	9-1 a	6-1 a	12-9 e	11-1 e	7-7 e	12-2 a	9-1 a	6-1 a
800S200-33	33	12-11 e	11-2 e	7-7 e	12-2 a	9-1 a	6-1 a	12-11 e	11-2 e	7-7 e	12-2 a	9-1 a	6-1 a
800S137-43	33	15-0 e	13-0 e	10-7 e	15-0 i	13-0 a	10-7 a	13-10 e	12-7 e	10-7 e	15-0 i	13-0 a	10-7 a
800S162-43	33	15-10 e	13-9 e	11-2 e	15-10 i	13-9 a	11-2 a	14-5 e	13-1 e	11-2 e	15-10 i	13-9 a	11-2 a
800S200-43	33	15-8 e	13-7 e	11-1 e	15-8 i	13-7 a	11-1 a	14-11 e	13-7 e	11-1 e	15-8 i	13-7 a	11-1 a
800S250-43	33	16-10 e	14-7 e	11-11 e	16-10 a	14-7 a	11-11 a	15-9 e	14-3 e	11-11 e	16-10 a	14-7 a	11-11 a
800S300-43	33	17-10 e	15-5 e	12-7 e	17-10 a	15-5 a	12-7 a	16-4 e	14-10 e	12-7 e	17-10 a	15-5 a	12-7 a
800S137-54	33	16-5	14-5	11-9 e	16-8 i	14-5 i	11-9 i	14-11	13-6	11-9 e	16-8 i	14-5 i	11-9 i
800S137-54	50	16-5	14-11	13-0	18-5	16-9 i	14-4 i	14-11	13-6	11-10	16-9	15-2 i	13-3 i
800S162-54	33	17-1	15-4	12-6 e	17-8 i	15-4 i	12-6 i	15-6	14-1	12-3 e	17-5 i	15-4 i	12-6 i
800S162-54	50	17-1	15-6	13-6 e	19-2 i	17-5 i	15-2 i	15-6	14-1	12-3	17-5	15-10 i	13-10 i
800S200-54	33	17-8	15-11 e	13-0 e	18-5 i	15-11 i	13-0 i	16-1	14-7	12-9 e	18-1 i	15-11 i	13-0 i
800S200-54	50	17-8	16-1	14-1 e	19-11 i	18-1 i	14-11 i	16-1	14-7	12-9	18-1	16-5 i	14-4 i
800S250-54	33	18-8	16-9 e	13-8 e	19-4 i	16-9 i	13-8 i	16-11	15-4	13-5 e	19-0 i	16-9 i	13-8 i
800S250-54	50	18-7	16-10	14-9 e	20-10 i	18-11 i	15-11 i	16-10	15-4	13-4 e	18-11 i	17-2 i	15-0 i
800S300-54	33	19-6	17-8 e	14-5 e	20-5 i	17-8 i	14-5 a	17-8	16-1 e	14-0 e	19-10 i	17-8 i	14-5 a
800S300-54	50	19-3	17-6	15-3 e	21-8 i	19-8 i	16-7 i	17-6	15-11	13-11 e	19-8 i	17-10 i	15-7 i
800S137-68	33	17-8	16-0	13-2	18-7	16-1	13-2 i	16-0	14-7	12-9	18-0	16-1	13-2 i
800S137-68	50	17-8	16-0	14-0	19-10	18-0	15-9 i	16-0	14-7	12-9	18-0	16-4	14-3
800S162-68	33	18-4	16-8	13-11	19-9	17-1 i	13-11 i	16-8	15-2	13-3	18-9	17-0 i	13-11 i
800S162-68	50	18-4	16-8	14-7	20-7	18-9	16-4 i	16-8	15-2	13-3	18-9	17-0	14-10 i
800S200-68	33	19-1	17-4	14-9	20-10	18-0 i	14-9 i	17-4	15-9	13-9	19-5	17-8 i	14-9 i
800S200-68	50	19-1	17-4	15-1	21-5	19-5	17-0 i	17-4	15-9	13-9	19-5	17-8	15-5 i
800S250-68	33	20-1	18-3	15-8	22-2 i	19-2 i	15-8 i	18-3	16-7	14-5	20-6	18-7 i	15-8 i
800S250-68	50	20-1	18-3	15-11	22-6	20-6	17-10 i	18-3	16-7	14-5	20-6	18-7	16-3 i
800S300-68	33	21-0	19-1	16-2	22-11 i	19-10 i	16-2 i	19-1	17-4	15-1	21-5	19-5 i	16-2 i
800S300-68	50	20-11	19-0	16-7	23-5	21-4	18-7 i	19-0	17-3	15-1	21-4	19-4	16-11 i
800S162-97	33	20-6	18-7	16-3	23-0	20-1	16-5	18-7	16-11	14-9	20-11	19-0	16-5
800S162-97	50	20-6	18-7	16-3	23-0	20-11	18-3	18-7	16-11	14-9	20-11	19-0	16-7
800S200-97	33	21-3	19-4	16-10	23-11	21-4	17-5	19-4	17-7	15-4	21-8	19-8	17-3
800S200-97	50	21-3	19-4	16-10	23-11	21-8	18-11	19-4	17-7	15-4	21-8	19-8	17-3
800S250-97	33	22-5	20-4	17-9	25-2	22-10	18-10	20-4	18-6	16-2	22-10	20-9	18-2
800S250-97	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
800S300-97	33	23-5	21-4	18-7	26-4	23-11	20-0	21-4	19-4	16-11	23-11	21-9	19-0
800S300-97	50	23-5	21-4	18-7	26-4	23-11	20-11	21-4	19-4	16-11	23-11	21-9	19-0

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Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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10 psf Dead Load and 50 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	12-11 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a	12-11 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a
925S162-33	33	13-1 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a	13-1 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a
925S200-33	33	13-1 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a	13-1 e	9-9 e	6-6 e	10-5 a	7-10 a	5-2 a
925S137-43	33	16-0 e	13-10 e	11-4 e	16-0 a	13-10 a	11-4 a	15-8 e	13-10 e	11-4 e	16-0 a	13-10 a	11-4 a
925S162-43	33	17-0 e	14-8 e	12-0 e	17-0 a	14-8 a	11-7 a	16-3 e	14-8 e	12-0 e	17-0 a	14-8 a	11-7 a
925S200-43	33	16-9 e	14-6 e	11-10 e	16-9 a	14-6 a	11-7 a	16-9 e	14-6 e	11-10 e	16-9 a	14-6 a	11-7 a
925S250-43	33	18-1 e	15-8 e	12-9 e	18-1 a	15-8 a	11-7 a	17-8 e	15-8 e	12-9 e	18-1 a	15-8 a	11-7 a
925S300-43	33	19-1 e	16-6 e	13-6 e	19-1 a	16-6 a	11-7 a	18-4 e	16-6 e	13-6 e	19-1 a	16-6 a	11-7 a
925S137-54	33	18-6	16-1 e	13-2 e	18-7 i	16-1 i	13-2 a	16-10	15-4 e	13-2 e	18-7 i	16-1 i	13-2 a
925S137-54	50	18-6	16-10	14-8 e	20-10 i	18-10 i	15-4 i	16-10	15-4	13-4 e	18-11 i	17-2 i	15-0 i
925S162-54	33	19-3	17-0 e	13-11 e	19-8 i	17-0 i	13-11 a	17-6	15-10 e	13-10 e	19-7 i	17-0 i	13-11 a
925S162-54	50	19-3	17-6	15-3 e	21-7 i	19-7 i	16-3 i	17-6	15-10	13-10 e	19-7 i	17-10 i	15-7 i
925S200-54	33	19-11 e	17-8 e	14-5 e	20-5 i	17-8 i	14-5 a	18-1	16-5 e	14-4 e	20-4 i	17-8 i	14-5 a
925S200-54	50	19-11	18-1	15-9 e	22-4 i	19-7 i	15-11 i	18-1	16-5	14-4 e	20-4 i	18-5 i	15-11 i
925S250-54	33	20-11 e	18-6 e	15-1 e	21-5 i	18-6 i	15-1 a	19-0	17-3 e	15-1 e	21-4 i	18-6 i	15-1 a
925S250-54	50	20-10	18-11 e	16-7 e	23-5 i	20-10 i	17-0 a	18-11	17-3	15-0 e	21-3 i	19-4 i	16-11 a
925S300-54	33	21-10 e	19-6 e	15-11 e	22-7 i	19-6 i	15-11 a	19-10 e	18-0 e	15-9 e	22-3 i	19-6 i	15-11 a
925S300-54	50	21-8	19-8 e	17-2 e	24-3 i	21-10 i	17-10 a	19-8	17-10	15-7 e	22-1 i	20-1 i	17-6 a
925S137-68	33	19-11	18-0	14-8	20-9	18-0 i	14-8 i	18-1	16-5	14-4	20-4	18-0 i	14-8 i
925S137-68	50	19-11	18-1	15-10	22-5	20-4	17-9 i	18-1	16-5	14-4	20-4	18-6	16-2 i
925S162-68	33	20-8	18-9	15-6	21-11 i	19-0 i	15-6 i	18-9	17-1	14-11	21-1	19-0 i	15-6 i
925S162-68	50	20-8	18-9	16-5	23-3	21-1	18-5 i	18-9	17-1	14-11	21-1	19-2	16-9 i
925S200-68	33	21-5	19-5	16-4	23-1 i	20-0 i	16-4 i	19-5	17-8	15-5	21-10 i	19-10 i	16-4 i
925S200-68	50	21-5	19-5	17-0	24-1	21-10 i	19-1 i	19-5	17-8	15-5	21-10	19-10	17-4 i
925S250-68	33	22-6	20-5	17-4 e	24-6 i	21-3 i	17-4 i	20-5	18-7	16-3	22-11 i	20-10 i	17-4 i
925S250-68	50	22-6	20-5	17-10	25-3	22-11 i	20-1 i	20-5	18-7	16-3	22-11	20-10	18-3 i
925S300-68	33	23-6	21-4	17-11 e	25-4 i	21-11 i	17-11 i	21-4	19-4	16-11 e	23-11 i	21-9 i	17-11 i
925S300-68	50	23-5	21-3	18-7	26-3	23-10 i	20-10 i	21-3	19-3	16-10	23-10	21-8 i	18-11 i
925S162-97	33	23-1	21-0	18-4	25-11	22-5	18-4	21-0	19-1	16-8	23-7	21-5	18-4
925S162-97	50	23-1	21-0	18-4	25-11	23-7	20-7	21-0	19-1	16-8	23-7	21-5	18-8
925S200-97	33	23-11	21-9	19-0	26-10	23-8	19-4	21-9	19-9	17-3	24-5	22-2	19-4
925S200-97	50	23-11	21-9	19-0	26-10	24-5	21-4	21-9	19-9	17-3	24-5	22-2	19-4
925S250-97	33	25-2	22-10	20-0	28-3	25-6	20-10	22-10	20-9	18-2	25-8	23-4	20-4
925S250-97	50	25-2	22-10	20-0	28-3	25-8	22-5	22-10	20-9	18-2	25-8	23-4	20-4
925S300-97	33	26-3	23-10	20-10	29-6	26-10	22-1 i	23-10	21-8	18-11	26-10	24-4	21-3
925S300-97	50	26-3	23-10	20-10	29-6	26-10	23-5	23-10	21-8	18-11	26-10	24-4	21-3

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		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a
1000S162-33	33	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a
1000S200-33	33	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a	12-1 e	9-0 e	6-0 e	9-8 a	7-3 a	4-10 a
1000S137-43	33	16-7 e	14-4 e	11-8 e	16-7 a	14-4 a	10-8 a	16-7 e	14-4 e	11-8 e	16-7 a	14-4 a	10-8 a
1000S162-43	33	17-7 e	15-3 e	12-5 e	17-7 a	15-3 a	10-8 a	17-4 e	15-3 e	12-5 e	17-7 a	15-3 a	10-8 a
1000S200-43	33	17-4 e	15-0 e	12-3 e	17-4 a	15-0 a	10-8 a	17-4 e	15-0 e	12-3 e	17-4 a	15-0 a	10-8 a
1000S250-43	33	18-9 e	16-3 e	13-3 e	18-9 a	16-1 a	10-8 a	18-9 e	16-3 e	13-3 e	18-9 a	16-1 a	10-8 a
1000S300-43	33	19-10 e	17-2 e	13-5 e	19-10 a	16-1 a	10-8 a	19-6 e	17-2 e	13-5 e	19-10 a	16-1 a	10-8 a
1000S137-54	33	19-9 e	17-1 e	14-0 e	19-9 i	17-1 i	14-0 a	18-0	16-4 e	14-0 e	19-9 i	17-1 i	14-0 a
1000S137-54	50	19-10	18-0 e	15-8 e	22-3 i	19-6 i	15-11 i	18-0	16-4	14-3 e	20-2 i	18-4 i	15-11 i
1000S162-54	33	20-6 e	18-0 e	14-9 e	20-10 i	18-0 i	14-9 a	18-8	16-11 e	14-9 e	20-10 i	18-0 i	14-9 a
1000S162-54	50	20-6	18-8 e	16-3 e	23-0 i	20-8 i	16-10 a	18-8	16-11	14-9 e	20-11 i	19-0 i	16-7 a
1000S200-54	33	21-2 e	18-8 e	15-3 e	21-7 i	18-8 i	15-3 a	19-3 e	17-6 e	15-3 e	21-7 i	18-8 i	15-3 a
1000S200-54	50	21-2	19-3 e	16-6 e	23-5 i	20-3 i	16-6 a	19-3	17-6	15-3 e	21-8 i	19-8 i	16-6 a
1000S250-54	33	22-3 e	19-4 e	15-9 e	22-4 i	19-4 a	15-9 a	20-2 e	18-4 e	15-9 e	22-4 i	19-4 a	15-9 a
1000S250-54	50	22-3	20-2 e	17-8 e	24-11 i	21-7 i	17-8 a	20-2	18-4 e	16-0 e	22-8 i	20-7 i	17-8 a
1000S300-54	33	23-2 e	20-4 e	16-7 e	23-5 i	20-4 a	16-7 a	21-1 e	19-1 e	16-7 e	23-5 i	20-4 a	16-7 a
1000S300-54	50	23-0	20-11 e	18-3 e	25-10 i	22-8 i	18-6 a	20-11	19-0 e	16-7 e	23-6 i	21-4 i	18-6 a
1000S137-68	33	21-4	19-1	15-7	22-1 i	19-1 i	15-7 i	19-4	17-7	15-4	21-9 i	19-1 i	15-7 i
1000S137-68	50	21-4	19-4	16-11	23-11	21-9 i	19-0 i	19-4	17-7	15-4	21-9	19-9	17-3 i
1000S162-68	33	22-1	20-1	16-5 e	23-3 i	20-2 i	16-5 i	20-1	18-3	15-11	22-6 i	20-2 i	16-5 i
1000S162-68	50	22-1	20-1	17-6	24-9	22-6 i	19-8 i	20-1	18-3	15-11	22-6	20-5	17-10 i
1000S200-68	33	22-10	20-9	17-3 e	24-5 i	21-2 i	17-3 i	20-9	18-10	16-5 e	23-3 i	21-2 i	17-3 i
1000S200-68	50	22-10	20-9	18-1	25-8	23-3 i	20-4 i	20-9	18-10	16-5	23-3	21-2	18-6 i
1000S250-68	33	23-11	21-9	18-4 e	25-11 i	22-5 i	18-4 i	21-9	19-9	17-3 e	24-5 i	22-2 i	18-4 i
1000S250-68	50	23-11	21-9	19-0	26-11	24-5 i	21-0 i	21-9	19-9	17-3	24-5	22-2 i	19-5 i
1000S300-68	33	25-0	22-8	18-11 e	26-9 i	23-2 i	18-11 i	22-8	20-7	18-0 e	25-6 i	23-2 i	18-11 i
1000S300-68	50	24-11	22-7	19-9	27-11	25-5 i	22-2 i	22-7	20-6	17-11	25-5	23-1 i	20-2 i
1000S162-97	33	24-8	22-5	19-5	27-6	23-9	19-5	22-5	20-4	17-9	25-2	22-10	19-5
1000S162-97	50	24-8	22-5	19-7	27-8	25-2	22-0	22-5	20-4	17-9	25-2	22-10	19-11
1000S200-97	33	25-6	23-2	20-3	28-8	25-0	20-5	23-2	21-1	18-5	26-0	23-8	20-5
1000S200-97	50	25-6	23-2	20-3	28-8	26-0	22-9	23-2	21-1	18-5	26-0	23-8	20-8
1000S250-97	33	26-9	24-4	21-3	30-1	26-11	22-0 i	24-4	22-1	19-4	27-4	24-10	21-8 i
1000S250-97	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
1000S300-97	33	27-11	25-5	22-2	31-4	28-6	23-3 i	25-5	23-1	20-2	28-6	25-11	22-7 i
1000S300-97	50	27-11	25-5	22-2	31-4	28-6	24-11	25-5	23-1	20-2	28-6	25-11	22-7

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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10 psf Dead Load and 50 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a
1125S162-33	33	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a
1125S200-33	33	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a	10-8 e	8-0 e	5-4 e	8-6 a	6-5 a	4-3 a
1125S137-43	33	17-5 e	15-1 e	11-10 e	17-5 a	14-3 a	9-6 a	17-5 e	15-1 e	11-10 e	17-5 a	14-3 a	9-6 a
1125S162-43	33	18-7 e	16-1 e	11-10 e	18-7 a	14-3 a	9-6 a	18-7 e	16-1 e	11-10 e	18-7 a	14-3 a	9-6 a
1125S200-43	33	18-4 e	15-11 e	11-10 e	18-4 a	14-3 a	9-6 a	18-4 e	15-11 e	11-10 e	18-4 a	14-3 a	9-6 a
1125S250-43	33	19-10 e	17-2 e	11-10 e	19-0 a	14-3 a	9-6 a	19-10 e	17-2 e	11-10 e	19-0 a	14-3 a	9-6 a
1125S300-43	33	21-0 e	17-10 e	11-10 e	19-0 a	14-3 a	9-6 a	21-0 e	17-10 e	11-10 e	19-0 a	14-3 a	9-6 a
1125S137-54	33	20-10 e	18-0 e	14-8 e	20-10 i	18-0 a	14-8 a	19-11 e	18-0 e	14-8 e	20-10 i	18-0 a	14-8 a
1125S137-54	50	21-11	19-11 e	16-9 e	23-8 i	20-6 i	16-9 a	19-11	18-1 e	15-9 e	22-4 i	20-3 i	16-9 a
1125S162-54	33	22-0 e	19-0 e	15-6 e	22-0 i	19-0 a	15-6 a	20-7 e	18-8 e	15-6 e	22-0 i	19-0 a	15-6 a
1125S162-54	50	22-8 e	20-7 e	17-9 e	25-2 i	21-9 i	17-9 a	20-7	18-8 e	16-4 e	23-1 i	21-0 i	17-9 a
1125S200-54	33	22-8 e	19-7 e	16-0 e	22-8 i	19-7 a	16-0 a	21-3 e	19-3 e	16-0 e	22-8 i	19-7 a	16-0 a
1125S200-54	50	23-4 e	21-3 e	17-6 e	24-9 i	21-5 i	17-6 a	21-3	19-3 e	16-10 e	23-10 i	21-5 i	17-6 a
1125S250-54	33	23-6 e	20-4 e	16-7 e	23-6 i	20-4 a	16-7 a	22-2 e	20-2 e	16-7 e	23-6 i	20-4 a	16-7 a
1125S250-54	50	24-5 e	22-2 e	18-8 e	26-5 i	22-10 a	18-8 a	22-2	20-2 e	17-7 e	24-11 i	22-8 a	18-8 a
1125S300-54	33	24-9 e	21-5 e	17-6 e	24-9 a	21-5 a	17-6 a	23-1 e	21-0 e	17-6 e	24-9 a	21-5 a	17-6 a
1125S300-54	50	25-4 e	23-0 e	19-7 e	27-9 i	24-0 a	18-10 a	23-0 e	20-10 e	18-3 e	25-10 i	23-5 a	18-10 a
1125S137-68	33	23-7	20-11	17-1 e	24-2 i	20-11 i	17-1 i	21-5	19-5	17-0 e	24-0 i	20-11 i	17-1 i
1125S137-68	50	23-7	20-11	17-1 e	24-2 i	20-11 i	17-1 i	21-5	19-5	17-0 e	24-0 i	20-11 i	17-1 i
1125S162-68	33	24-4	22-0	18-0 e	25-5 i	22-0 i	18-0 i	22-2	20-1	17-7 e	24-10 i	22-0 i	18-0 i
1125S162-68	50	24-4	22-2	19-4	27-4	24-10 i	21-6 i	22-2	20-1	17-7	24-10	22-7 i	19-9 i
1125S200-68	33	25-2	22-10	18-10 e	26-8 i	23-1 i	18-10 i	22-10	20-9	18-2 e	25-8 i	23-1 i	18-10 i
1125S200-68	50	25-2	22-10	19-11 e	28-3 i	25-8 i	21-11 i	22-10	20-9	18-2	25-8	23-4 i	20-4 i
1125S250-68	33	26-4	23-11 e	19-11 e	28-2 i	24-4 i	19-11 i	23-11	21-9	19-0 e	26-10 i	24-4 i	19-11 i
1125S250-68	50	26-4	23-11	20-11 e	29-7 i	26-10 i	22-2 i	23-11	21-9	19-0	26-10	24-5 i	21-4 i
1125S300-68	33	27-5	24-11 e	20-6 e	29-1 i	25-2 i	20-6 i	24-11	22-7	19-9 e	27-11 i	25-2 i	20-6 i
1125S300-68	50	27-4	24-10	21-9 e	30-9 i	27-11 i	23-5 i	24-10	22-7	19-9 e	27-11 i	25-4 i	22-2 i
1125S162-97	33	27-3	24-9	21-3	30-1	26-0	21-3 i	24-9	22-6	19-7	27-9	25-3	21-3 i
1125S162-97	50	27-3	24-9	21-7	30-7	27-9	24-3	24-9	22-6	19-7	27-9	25-3	22-0
1125S200-97	33	28-1	25-7	22-4	31-7	27-4	22-4 i	25-7	23-3	20-3	28-8	26-1	22-4 i
1125S200-97	50	28-1	25-7	22-4	31-7	28-8	25-1	25-7	23-3	20-3	28-8	26-1	22-9
1125S250-97	33	29-6	26-9	23-4	33-1	29-3	23-11 i	26-9	24-4	21-3	30-1	27-4	23-10 i
1125S250-97	50	29-6	26-9	23-4	33-1	30-1	26-3	26-9	24-4	21-3	30-1	27-4	23-10
1125S300-97	33	30-8	27-10	24-4	34-5	30-11	25-3 i	27-10	25-4	22-1	31-4	28-5	24-10 i
1125S300-97	50	30-8	27-10	24-4	34-5	31-4	27-4	27-10	25-4	22-1	31-4	28-5	24-10

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Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
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10 psf Dead Load and 50 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span		Two Equal Spans			
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		Spacing (in.) o.c.			
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a
1200S162-33	33	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a
1200S200-33	33	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a	10-0 e	7-6 e	5-0 e	8-0 a	6-0 a	4-0 a
1200S137-43	33	18-0 e	15-7 e	11-1 e	17-9 a	13-4 a	8-10 a	18-0 e	15-7 e	11-1 e	17-9 a	13-4 a	8-10 a
1200S162-43	33	19-1 e	16-7 e	11-1 e	17-9 a	13-4 a	8-10 a	19-1 e	16-7 e	11-1 e	17-9 a	13-4 a	8-10 a
1200S200-43	33	18-11 e	16-4 e	11-1 e	17-9 a	13-4 a	8-10 a	18-11 e	16-4 e	11-1 e	17-9 a	13-4 a	8-10 a
1200S250-43	33	20-5 e	16-8 e	11-1 e	17-9 a	13-4 a	8-10 a	20-5 e	16-8 e	11-1 e	17-9 a	13-4 a	8-10 a
1200S300-43	33	21-8 e	16-8 e	11-1 e	17-9 a	13-4 a	8-10 a	21-8 e	16-8 e	11-1 e	17-9 a	13-4 a	8-10 a
1200S137-54	33	21-5 e	18-6 e	15-1 e	21-5 i	18-6 a	15-1 a	21-0 e	18-6 e	15-1 e	21-5 i	18-6 a	15-1 a
1200S137-54	50	23-2 e	21-0 e	17-3 e	24-5 i	21-2 i	17-3 a	21-0 e	19-1 e	16-8 e	23-7 i	21-2 i	17-3 a
1200S162-54	33	22-7 e	19-7 e	16-0 e	22-7 i	19-7 a	16-0 a	21-9 e	19-7 e	16-0 e	22-7 i	19-7 a	16-0 a
1200S162-54	50	23-11 e	21-9 e	18-4 e	25-11 i	22-5 a	17-7 a	21-9 e	19-9 e	17-3 e	24-5 i	22-2 a	17-7 a
1200S200-54	33	23-3 e	20-2 e	16-5 e	23-3 a	20-2 a	16-5 a	22-5 e	20-2 e	16-5 e	23-3 a	20-2 a	16-5 a
1200S200-54	50	24-8 e	22-1 e	18-0 e	25-6 i	22-1 a	17-7 a	22-5 e	20-4 e	17-9 e	25-2 i	22-1 a	17-7 a
1200S250-54	33	24-2 e	20-11 e	17-1 e	24-2 a	20-11 a	17-1 a	23-5 e	20-11 e	17-1 e	24-2 a	20-11 a	17-1 a
1200S250-54	50	25-9 e	23-5 e	19-3 e	27-3 i	23-7 a	17-7 a	23-5 e	21-3 e	18-7 e	26-3 i	23-7 a	17-7 a
1200S300-54	33	25-6 e	22-1 e	18-0 e	25-6 a	22-1 a	17-7 a	24-4 e	22-1 e	18-0 e	25-6 a	22-1 a	17-7 a
1200S300-54	50	26-9 e	24-3 e	20-3 e	28-8 i	24-9 a	17-7 a	24-3 e	22-1 e	19-3 e	27-3 i	24-9 a	17-7 a
1200S137-68	33	24-11	22-0	18-0 e	25-5 i	22-0 i	18-0 i	22-7	20-7	17-11 e	25-5 i	22-0 i	18-0 i
1200S137-68	50	24-11	22-7	19-9 e	28-0 i	25-5 i	20-11 i	22-7	20-7	17-11	25-5	23-1 i	20-2 i
1200S162-68	33	25-9	23-2 e	18-11 e	26-9 i	23-2 i	18-11 i	23-4	21-3	18-6 e	26-3 i	23-2 i	18-11 i
1200S162-68	50	25-9	23-4	20-5 e	28-11 i	26-3 i	22-2 i	23-4	21-3	18-6	26-3	23-10 i	20-10 i
1200S200-68	33	26-6	24-1 e	19-9 e	27-11 i	24-2 i	19-9 i	24-1	21-11	19-1 e	27-1 i	24-2 i	19-9 i
1200S200-68	50	26-6	24-1	21-1 e	29-10 i	27-1 i	22-6 i	24-1	21-11	19-1 e	27-1 i	24-7 i	21-6 i
1200S250-68	33	27-9	25-2 e	20-10 e	29-6 i	25-6 i	20-10 a	25-2	22-11 e	20-0 e	28-4 i	25-6 i	20-10 a
1200S250-68	50	27-9	25-2	22-0 e	31-2 i	27-11 i	22-9 i	25-2	22-11	20-0 e	28-4 i	25-9 i	22-5 i
1200S300-68	33	28-10	26-2 e	21-5 e	30-4 i	26-3 i	21-5 a	26-2	23-10 e	20-9 e	29-5 i	26-3 i	21-5 a
1200S300-68	50	28-10	26-2	22-11 e	32-5 i	29-5 i	24-1 i	26-2	23-10	20-9 e	29-5 i	26-9 i	23-4 i
1200S162-97	33	28-9	26-2	22-4	31-7	27-4	22-4 i	26-2	23-9	20-9	29-4	26-8	22-4 i
1200S162-97	50	28-9	26-2	22-10	32-4	29-4	25-8	26-2	23-9	20-9	29-4	26-8	23-3
1200S200-97	33	29-8	27-0	23-5	33-1	28-8	23-5 i	27-0	24-6	21-5	30-3	27-6	23-5 i
1200S200-97	50	29-8	27-0	23-7	33-4	30-3	26-5	27-0	24-6	21-5	30-3	27-6	24-0
1200S250-97	33	31-1	28-2	24-8	34-10	30-8	25-0 i	28-2	25-7	22-5	31-8	28-9	25-0 i
1200S250-97	50	31-1	28-2	24-8	34-10	31-8	27-8	28-2	25-7	22-5	31-8	28-9	25-2
1200S300-97	33	32-4	29-4	25-8	36-3	32-5 i	26-5 i	29-4	26-8	23-3	32-11	29-11	26-2 i
1200S300-97	50	32-4	29-4	25-8	36-3	32-11	28-9 i	29-4	26-8	23-3	32-11	29-11	26-2

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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a
1400S162-33	33	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a
1400S200-33	33	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a	8-6 e	6-5 e	4-3 e	6-10 a	5-1 a	3-5 a
1400S137-43	33	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a
1400S162-43	33	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a
1400S200-43	33	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a
1400S250-43	33	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a
1400S300-43	33	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a	19-0 e	14-3 e	9-6 e	15-2 a	11-4 a	7-7 a
1400S137-54	33	22-10 e	19-10 e	16-2 e	22-10 a	19-10 a	15-0 a	22-10 e	19-10 e	16-2 e	22-10 a	19-10 a	15-0 a
1400S137-54	50	25-9 e	22-9 e	18-7 e	26-3 a	22-7 a	15-0 a	23-5 e	21-3 e	18-7 e	26-3 a	22-7 a	15-0 a
1400S162-54	33	24-2 e	20-11 e	17-1 e	24-2 a	20-11 a	15-0 a	24-2 e	20-11 e	17-1 e	24-2 a	20-11 a	15-0 a
1400S162-54	50	26-7 e	24-2 e	18-9 e	27-11 a	22-7 a	15-0 a	24-2 e	21-11 e	18-9 e	27-2 a	22-7 a	15-0 a
1400S200-54	33	25-0 e	21-7 e	17-8 e	25-0 a	21-7 a	15-0 a	25-0 e	21-7 e	17-8 e	25-0 a	21-7 a	15-0 a
1400S200-54	50	27-6 e	23-10 e	18-9 e	27-6 a	22-7 a	15-0 a	25-2 e	22-11 e	18-9 e	27-6 a	22-7 a	15-0 a
1400S250-54	33	26-0 e	22-6 e	18-4 e	26-0 a	22-6 a	15-0 a	26-0 e	22-6 e	18-4 e	26-0 a	22-6 a	15-0 a
1400S250-54	50	28-11 e	25-5 e	18-9 e	29-5 a	22-7 a	15-0 a	26-3 e	23-11 e	18-9 e	29-5 a	22-7 a	15-0 a
1400S300-54	33	27-5 e	23-9 e	18-9 e	27-5 a	22-7 a	15-0 a	27-5 e	23-9 e	18-9 e	27-5 a	22-7 a	15-0 a
1400S300-54	50	30-1 e	26-9 e	18-9 e	30-1 a	22-7 a	15-0 a	27-4 e	24-10 e	18-9 e	30-1 a	22-7 a	15-0 a
1400S137-68	33	27-7	23-11 e	19-6 e	27-7 i	23-11 i	19-6 a	25-10	23-6 e	19-6 e	27-7 i	23-11 i	19-6 a
1400S137-68	50	28-6	25-10	22-5 e	31-8 i	27-5 i	22-5 i	25-10	23-6	20-6 e	29-1 i	26-5 i	22-5 i
1400S162-68	33	29-0 e	25-1 e	20-6 e	29-0 i	25-1 i	20-6 a	26-8	24-3 e	20-6 e	29-0 i	25-1 i	20-6 a
1400S162-68	50	29-4	26-8 e	23-3 e	32-11 i	29-0 i	23-8 a	26-8	24-3	21-2 e	29-11 i	27-2 i	23-8 a
1400S200-68	33	30-2 e	26-3 e	21-5 e	30-4 i	26-3 i	21-5 a	27-5	24-11 e	21-5 e	30-4 i	26-3 i	21-5 a
1400S200-68	50	30-2	27-5 e	23-11 e	33-11 i	29-7 i	24-2 a	27-5	24-11	21-9 e	30-10 i	28-0 i	24-2 a
1400S250-68	33	31-6 e	27-6 e	22-6 e	31-10 i	27-6 i	22-6 a	28-7 e	26-0 e	22-6 e	31-10 i	27-6 i	22-6 a
1400S250-68	50	31-6	28-7 e	24-6 e	34-8 i	30-0 i	24-6 a	28-7	26-0	22-8 e	32-1 i	29-2 i	24-6 a
1400S300-68	33	32-6 e	28-1 e	22-11 e	32-6 i	28-1 a	22-11 a	29-8 e	26-11 e	22-11 e	32-6 i	28-1 a	22-11 a
1400S300-68	50	32-8	29-8 e	25-11 e	36-8 i	31-9 i	25-11 a	29-8	26-11 e	23-6 e	33-4 i	30-3 i	25-11 a
1400S162-97	33	32-10	29-10	25-2	35-8	30-10 i	25-2 i	29-10	27-1	23-8	33-6	30-5 i	25-2 i
1400S162-97	50	32-10	29-10	26-1	36-10	33-6	29-3 i	29-10	27-1	23-8	33-6	30-5	26-7
1400S200-97	33	33-9	30-8	26-4	37-3	32-3 i	26-4 i	30-8	27-11	24-4	34-6	31-4 i	26-4 i
1400S200-97	50	33-9	30-8	26-10	37-11	34-6	30-1 i	30-8	27-11	24-4	34-6	31-4	27-4 i
1400S250-97	33	35-3	32-0	28-0	39-7	34-4 i	28-0 i	32-0	29-1	25-5	35-11	32-8 i	28-0 i
1400S250-97	50	35-3	32-0	28-0	39-7	35-11	31-5 i	32-0	29-1	25-5	35-11	32-8	28-6 i
1400S300-97	33	36-7	33-3	29-0	41-1 i	36-2 i	29-6 i	33-3	30-2	26-4	37-4	33-11 i	29-6 i
1400S300-97	50	36-7	33-3	29-0	41-1	37-4	32-7 i	33-3	30-2	26-4	37-4	33-11	29-7 i

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15 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	6-10 e	5-11 e	4-4 e	6-10 a	5-3 a	3-6 a	6-10 e	5-11 e	4-4 e	6-10 a	5-3 a	3-6 a
600S162-33	33	7-3 e	6-4 e	4-4 e	7-0 a	5-3 a	3-6 a	7-3 e	6-4 e	4-4 e	7-0 a	5-3 a	3-6 a
600S200-33	33	7-5 e	6-5 e	4-4 e	7-0 a	5-3 a	3-6 a	7-5 e	6-5 e	4-4 e	7-0 a	5-3 a	3-6 a
600S137-43	33	7-11 e	6-10 e	5-7 e	7-11 a	6-10 a	5-7 a	7-11 e	6-10 e	5-7 e	7-11 a	6-10 a	5-7 a
600S162-43	33	8-5 e	7-4 e	6-0 e	8-5 a	7-4 a	6-0 a	8-5 e	7-4 e	6-0 e	8-5 a	7-4 a	6-0 a
600S200-43	33	8-6 e	7-4 e	6-0 e	8-6 a	7-4 a	6-0 a	8-6 e	7-4 e	6-0 e	8-6 a	7-4 a	6-0 a
600S250-43	33	9-2 e	8-0 e	6-6 e	9-2 a	8-0 a	6-6 a	9-2 e	8-0 e	6-6 e	9-2 a	8-0 a	6-6 a
600S300-43	33	9-9 e	8-5 e	6-11 e	9-9 a	8-5 a	6-11 a	9-9 e	8-5 e	6-11 e	9-9 a	8-5 a	6-11 a
600S137-54	33	8-10	7-8 e	6-3 e	8-10 i	7-8 i	6-3 i	8-8	7-8 e	6-3 e	8-10 i	7-8 i	6-3 i
600S137-54	50	9-6	8-8	7-7 e	10-8 i	9-4 i	7-7 i	8-8	7-10	6-10 e	9-9 i	8-10 i	7-7 i
600S162-54	33	9-5	8-2 e	6-8 e	9-5 i	8-2 i	6-8 a	9-0	8-2 e	6-8 e	9-5 i	8-2 i	6-8 a
600S162-54	50	9-11	9-0	7-11 e	11-2 i	9-11 i	8-1 i	9-0	8-2	7-2 e	10-2 i	9-3 i	8-1 i
600S200-54	33	9-10 e	8-6 e	6-11 e	9-10 i	8-6 i	6-11 a	9-5	8-6 e	6-11 e	9-10 i	8-6 i	6-11 a
600S200-54	50	10-4	9-5 e	8-1 e	11-5 i	9-11 i	8-1 i	9-5	8-7	7-6 e	10-7 i	9-7 i	8-1 i
600S250-54	33	10-5 e	9-0 e	7-4 e	10-5 i	9-0 i	7-4 a	9-11 e	9-0 e	7-4 e	10-5 i	9-0 i	7-4 a
600S250-54	50	10-11	9-11 e	8-8 e	12-3 i	10-8 i	8-8 a	9-11	9-0	7-10 e	11-1 i	10-1 i	8-8 a
600S300-54	33	11-0 e	9-6 e	7-9 e	11-0 i	9-6 i	7-9 a	10-5 e	9-6 e	7-9 e	11-0 i	9-6 i	7-9 a
600S300-54	50	11-4	10-4 e	9-0 e	12-9 i	11-3 i	9-2 a	10-4	9-4 e	8-2 e	11-7 i	10-6 i	9-2 a
600S137-68	33	9-10	8-6	6-11	9-10	8-6 i	6-11 i	9-4	8-5	6-11	9-10	8-6 i	6-11 i
600S137-68	50	10-3	9-4	8-1	11-6	10-5 i	8-7 i	9-4	8-5	7-4	10-5	9-6	8-3 i
600S162-68	33	10-6	9-1	7-5	10-6 i	9-1 i	7-5 i	9-9	8-10	7-5	10-6 i	9-1 i	7-5 i
600S162-68	50	10-8	9-9	8-6	12-0	10-11 i	9-2 i	9-9	8-10	7-8	10-11	9-11	8-8 i
600S200-68	33	11-2	9-8	7-10 e	11-2 i	9-8 i	7-10 i	10-2	9-2	7-10 e	11-2 i	9-8 i	7-10 i
600S200-68	50	11-2	10-2	8-10	12-6	11-4 i	9-5 i	10-2	9-2	8-0	11-4	10-4 i	9-0 i
600S250-68	33	11-10	10-4	8-5 e	11-11 i	10-4 i	8-5 i	10-9	9-9	8-5 e	11-11 i	10-4 i	8-5 i
600S250-68	50	11-10	10-9	9-4	13-3	11-11 i	9-9 i	10-9	9-9	8-6	12-0	10-11 i	9-6 i
600S300-68	33	12-4	10-9	8-9 e	12-5 i	10-9 i	8-9 i	11-3	10-2	8-9 e	12-5 i	10-9 i	8-9 i
600S300-68	50	12-4	11-2	9-9	13-10 i	12-7 i	10-5 i	11-2	10-2	8-11	12-7	11-5 i	10-0 i
600S162-97	33	11-11	10-8	8-9	12-4	10-8	8-9	10-10	9-10	8-7	12-2	10-8	8-9
600S162-97	50	11-11	10-10	9-5	13-5	12-2	10-7	10-10	9-10	8-7	12-2	11-0	9-8
600S200-97	33	12-5	11-4	9-3	13-2	11-5	9-3	11-4	10-3	8-11	12-8	11-5	9-3
600S200-97	50	12-5	11-4	9-10	14-0	12-8	11-1	11-4	10-3	8-11	12-8	11-6	10-1
600S250-97	33	13-2	11-11	10-1	14-4	12-5	10-1 i	11-11	10-10	9-6	13-5	12-2	10-1 i
600S250-97	50	13-2	11-11	10-5	14-9	13-5	11-9	11-11	10-10	9-6	13-5	12-2	10-8
600S300-97	33	13-10	12-7	10-10	15-4	13-3	10-10 i	12-7	11-5	9-11	14-1	12-10	10-10 i
600S300-97	50	13-10	12-7	10-11	15-6	14-1	12-4	12-7	11-5	9-11	14-1	12-10	11-2

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- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

15 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a
800S162-33	33	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a
800S200-33	33	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a	6-6 e	4-10 e	3-3 e	5-2 a	3-10 a	2-7 a
800S137-43	33	9-9 e	8-6 e	6-11 e	9-9 a	8-6 a	5-9 a	9-9 e	8-6 e	6-11 e	9-9 a	8-6 a	5-9 a
800S162-43	33	10-4 e	9-0 e	7-2 e	10-4 a	8-8 a	5-9 a	10-4 e	9-0 e	7-2 e	10-4 a	8-8 a	5-9 a
800S200-43	33	10-3 e	8-10 e	7-2 e	10-3 a	8-8 a	5-9 a	10-3 e	8-10 e	7-2 e	10-3 a	8-8 a	5-9 a
800S250-43	33	11-0 e	9-7 e	7-2 e	11-0 a	8-8 a	5-9 a	11-0 e	9-7 e	7-2 e	11-0 a	8-8 a	5-9 a
800S300-43	33	11-8 e	10-1 e	7-2 e	11-7 a	8-8 a	5-9 a	11-8 e	10-1 e	7-2 e	11-7 a	8-8 a	5-9 a
800S137-54	33	10-11 e	9-5 e	7-8 e	10-11 i	9-5 a	7-8 a	10-11 e	9-5 e	7-8 e	10-11 i	9-5 a	7-8 a
800S137-54	50	12-1 e	11-0 e	9-5 e	13-3 i	11-6 a	9-5 a	11-0 e	10-0 e	8-8 e	12-4 i	11-2 i	9-5 a
800S162-54	33	11-7 e	10-0 e	8-2 e	11-7 i	10-0 a	8-2 a	11-5 e	10-0 e	8-2 e	11-7 i	10-0 a	8-2 a
800S162-54	50	12-7 e	11-5 e	9-11 e	14-1 i	12-2 a	9-11 a	11-5 e	10-4 e	9-1 e	12-10 i	11-8 a	9-11 a
800S200-54	33	12-0 e	10-5 e	8-6 e	12-0 a	10-5 a	8-6 a	11-10 e	10-5 e	8-6 e	12-0 a	10-5 a	8-6 a
800S200-54	50	13-0 e	11-10 e	9-9 e	13-10 i	12-0 a	9-9 a	11-10 e	10-9 e	9-5 e	13-4 i	12-0 a	9-9 a
800S250-54	33	12-8 e	10-11 e	8-11 e	12-8 a	10-11 a	8-11 a	12-6 e	10-11 e	8-11 e	12-8 a	10-11 a	8-11 a
800S250-54	50	13-8 e	12-5 e	10-5 e	14-8 i	12-9 a	10-5 a	12-5 e	11-3 e	9-10 e	13-11 i	12-8 a	10-5 a
800S300-54	33	13-4 e	11-7 e	9-5 e	13-4 a	11-7 a	9-5 a	13-0 e	11-7 e	9-5 e	13-4 a	11-7 a	9-5 a
800S300-54	50	14-2 e	12-11 e	10-10 e	15-5 a	13-4 a	10-10 a	12-11 e	11-8 e	10-3 e	14-6 i	13-2 a	10-10 a
800S137-68	33	12-2	10-6	8-7 e	12-2 i	10-6 i	8-7 i	11-10	10-6	8-7 e	12-2 i	10-6 i	8-7 i
800S137-68	50	13-0	11-10	10-4 e	14-7 i	13-0 i	10-7 i	11-10	10-9	9-4 e	13-3 i	12-0 i	10-6 i
800S162-68	33	12-11	11-2 e	9-1 e	12-11 i	11-2 i	9-1 i	12-3	11-2 e	9-1 e	12-11 i	11-2 i	9-1 i
800S162-68	50	13-6	12-3	10-9 e	15-2 i	13-9 i	11-3 i	12-3	11-2	9-9 e	13-9 i	12-6 i	10-11 i
800S200-68	33	13-7	11-9 e	9-7 e	13-7 i	11-9 i	9-7 i	12-9	11-7 e	9-7 e	13-7 i	11-9 i	9-7 i
800S200-68	50	14-0	12-9	11-1 e	15-9 i	14-2 i	11-7 i	12-9	11-7	10-1 e	14-4 i	13-0 i	11-4 i
800S250-68	33	14-6	12-7 e	10-3 e	14-6 i	12-7 i	10-3 a	13-5	12-2 e	10-3 e	14-6 i	12-7 i	10-3 a
800S250-68	50	14-9	13-5	11-9 e	16-7 i	14-7 i	11-11 i	13-5	12-2	10-8 e	15-1 i	13-8 i	11-11 i
800S300-68	33	15-0 e	13-0 e	10-7 e	15-0 i	13-0 i	10-7 a	14-0	12-9 e	10-7 e	15-0 i	13-0 i	10-7 a
800S300-68	50	15-4	14-0 e	12-2 e	17-3 i	15-6 i	12-8 a	14-0	12-8	11-1 e	15-8 i	14-3 i	12-5 a
800S162-97	33	15-1	13-2	10-9	15-2	13-2	10-9 i	13-8	12-5	10-9	15-2	13-2	10-9 i
800S162-97	50	15-1	13-8	11-11	16-11	15-5	13-3 i	13-8	12-5	10-10	15-5	14-0	12-2
800S200-97	33	15-8	13-11	11-4	16-1	13-11	11-4 i	14-3	12-11	11-3	16-0	13-11	11-4 i
800S200-97	50	15-8	14-3	12-5	17-7	16-0	13-11 i	14-3	12-11	11-3	16-0	14-6	12-8
800S250-97	33	16-6	15-0	12-4	17-5	15-1 i	12-4 i	15-0	13-7	11-11	16-10	15-1 i	12-4 i
800S250-97	50	16-6	15-0	13-1	18-6	16-10	14-8 i	15-0	13-7	11-11	16-10	15-4	13-4 i
800S300-97	33	17-3	15-8	13-1	18-6	16-0 i	13-1 i	15-8	14-3	12-5	17-7	16-0 i	13-1 i
800S300-97	50	17-3	15-8	13-8	19-5	17-7	15-5 i	15-8	14-3	12-5	17-7	16-0	14-0 i

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		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
925S162-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
925S200-33	33	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a	5-7 e	4-2 e	2-9 e	4-5 a	3-4 a	2-2 a
925S137-43	33	10-5 e	9-1 e	6-2 e	9-11 a	7-5 a	4-11 a	10-5 e	9-1 e	6-2 e	9-11 a	7-5 a	4-11 a
925S162-43	33	11-1 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a	11-1 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a
925S200-43	33	10-11 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a	10-11 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a
925S250-43	33	11-10 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a	11-10 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a
925S300-43	33	12-5 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a	12-5 e	9-4 e	6-2 e	9-11 a	7-5 a	4-11 a
925S137-54	33	12-2 e	10-6 e	8-7 e	12-2 a	10-6 a	8-7 a	12-2 e	10-6 e	8-7 e	12-2 a	10-6 a	8-7 a
925S137-54	50	13-8 e	12-4 e	10-1 e	14-3 a	12-4 a	9-10 a	12-5 e	11-3 e	9-10 e	13-11 i	12-4 a	9-10 a
925S162-54	33	12-10 e	11-2 e	9-1 e	12-10 a	11-2 a	9-1 a	12-10 e	11-2 e	9-1 e	12-10 a	11-2 a	9-1 a
925S162-54	50	14-2 e	12-10 e	10-8 e	15-1 a	13-0 a	9-10 a	12-10 e	11-8 e	10-2 e	14-5 a	13-0 a	9-10 a
925S200-54	33	13-4 e	11-7 e	9-5 e	13-4 a	11-7 a	9-5 a	13-4 e	11-7 e	9-5 e	13-4 a	11-7 a	9-5 a
925S200-54	50	14-8 e	12-9 e	10-5 e	14-9 a	12-9 a	9-10 a	13-4 e	12-1 e	10-5 e	14-9 a	12-9 a	9-10 a
925S250-54	33	14-0 e	12-1 e	9-11 e	14-0 a	12-1 a	9-10 a	14-0 e	12-1 e	9-11 e	14-0 a	12-1 a	9-10 a
925S250-54	50	15-4 e	13-7 e	11-1 e	15-9 a	13-7 a	9-10 a	13-11 e	12-8 e	11-1 e	15-8 a	13-7 a	9-10 a
925S300-54	33	14-9 e	12-9 e	10-5 e	14-9 a	12-9 a	9-10 a	14-7 e	12-9 e	10-5 e	14-9 a	12-9 a	9-10 a
925S300-54	50	15-11 e	14-3 e	11-8 e	16-6 a	14-3 a	9-10 a	14-6 e	13-2 e	11-6 e	16-3 a	14-3 a	9-10 a
925S137-68	33	13-7	11-9 e	9-7 e	13-7 i	11-9 i	9-7 a	13-4	11-9 e	9-7 e	13-7 i	11-9 i	9-7 a
925S137-68	50	14-8	13-4	11-8 e	16-6 i	14-6 i	11-10 i	13-4	12-1	10-7 e	15-0 i	13-7 i	11-10 i
925S162-68	33	14-4 e	12-5 e	10-2 e	14-4 i	12-5 i	10-2 a	13-10	12-5 e	10-2 e	14-4 i	12-5 i	10-2 a
925S162-68	50	15-3	13-10 e	12-1 e	17-1 i	15-4 i	12-6 a	13-10	12-7	11-0 e	15-6 i	14-1 i	12-4 a
925S200-68	33	15-1 e	13-1 e	10-8 e	15-1 i	13-1 i	10-8 a	14-4 e	13-0 e	10-8 e	15-1 i	13-1 i	10-8 a
925S200-68	50	15-9	14-4 e	12-6 e	17-9 i	15-9 i	12-10 a	14-4	13-0	11-4 e	16-1 i	14-7 i	12-9 a
925S250-68	33	16-0 e	13-11 e	11-4 e	16-0 i	13-11 i	11-4 a	15-1 e	13-8 e	11-4 e	16-0 i	13-11 i	11-4 a
925S250-68	50	16-7	15-1 e	13-2 e	18-7 i	16-2 i	13-3 a	15-1	13-8 e	11-11 e	16-11 i	15-4 i	13-3 a
925S300-68	33	16-7 e	14-4 e	11-8 e	16-7 i	14-4 a	11-8 a	15-8 e	14-3 e	11-8 e	16-7 i	14-4 a	11-8 a
925S300-68	50	17-3	15-8 e	13-8 e	19-4 i	17-2 i	14-0 a	15-8	14-2 e	12-5 e	17-7 i	15-11 i	13-11 a
925S162-97	33	16-11	14-8	12-0	16-11	14-8 i	12-0 i	15-5	14-0	12-0	16-11	14-8 i	12-0 i
925S162-97	50	17-0	15-5	13-6	19-1	17-4	14-9 i	15-5	14-0	12-3	17-4	15-9	13-9 i
925S200-97	33	17-7	15-6	12-7	17-10	15-6 i	12-7 i	16-0	14-6	12-7	17-10	15-6 i	12-7 i
925S200-97	50	17-7	16-0	14-0	19-9	18-0	15-6 i	16-0	14-6	12-8	18-0	16-4	14-3 i
925S250-97	33	18-6	16-8	13-7	19-3 i	16-8 i	13-7 i	16-10	15-3	13-4	18-11 i	16-8 i	13-7 i
925S250-97	50	18-6	16-10	14-8	20-10	18-11 i	16-5 i	16-10	15-3	13-4	18-11	17-2	15-0 i
925S300-97	33	19-4	17-7	14-5	20-5 i	17-8 i	14-5 i	17-7	16-0	13-11	19-9 i	17-8 i	14-5 i
925S300-97	50	19-4	17-7	15-4	21-9	19-9 i	17-2 i	17-7	16-0	13-11	19-9	17-11	15-8 i

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Floor Joist Span Tables (feet - inches)

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15 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a
1000S162-33	33	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a
1000S200-33	33	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a	5-2 e	3-10 e	2-7 e	4-1 a	3-1 a	2-0 a
1000S137-43	33	10-10 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a	10-10 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a
1000S162-43	33	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a
1000S200-43	33	11-4 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a	11-4 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a
1000S250-43	33	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a
1000S300-43	33	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a	11-6 e	8-7 e	5-9 e	9-2 a	6-10 a	4-7 a
1000S137-54	33	12-11 e	11-2 e	9-2 e	12-11 a	11-2 a	9-1 a	12-11 e	11-2 e	9-2 e	12-11 a	11-2 a	9-1 a
1000S137-54	50	14-7 e	12-9 e	10-5 e	14-8 a	12-9 a	9-1 a	13-3 e	12-0 e	10-5 e	14-8 a	12-9 a	9-1 a
1000S162-54	33	13-8 e	11-10 e	9-7 e	13-8 a	11-10 a	9-1 a	13-8 e	11-10 e	9-7 e	13-8 a	11-10 a	9-1 a
1000S162-54	50	15-1 e	13-6 e	11-0 e	15-7 a	13-6 a	9-1 a	13-9 e	12-5 e	10-11 e	15-5 a	13-6 a	9-1 a
1000S200-54	33	14-1 e	12-2 e	9-11 e	14-1 a	12-2 a	9-1 a	14-1 e	12-2 e	9-11 e	14-1 a	12-2 a	9-1 a
1000S200-54	50	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	9-1 a	14-2 e	12-11 e	10-10 e	15-4 a	13-3 a	9-1 a
1000S250-54	33	14-7 e	12-8 e	10-4 e	14-7 a	12-8 a	9-1 a	14-7 e	12-8 e	10-4 e	14-7 a	12-8 a	9-1 a
1000S250-54	50	16-4 e	14-2 e	11-4 e	16-4 a	13-8 a	9-1 a	14-10 e	13-6 e	11-4 e	16-4 a	13-8 a	9-1 a
1000S300-54	33	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	9-1 a	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	9-1 a
1000S300-54	50	16-11 e	14-10 e	11-4 e	17-2 a	13-8 a	9-1 a	15-5 e	14-0 e	11-4 e	17-2 a	13-8 a	9-1 a
1000S137-68	33	14-5 e	12-6 e	10-2 e	14-5 i	12-6 i	10-2 a	14-3 e	12-6 e	10-2 e	14-5 i	12-6 i	10-2 a
1000S137-68	50	15-8	14-3 e	12-5 e	17-7 i	15-5 i	12-7 a	14-3	12-11	11-4 e	16-0 i	14-6 i	12-7 a
1000S162-68	33	15-3 e	13-2 e	10-9 e	15-3 i	13-2 i	10-9 a	14-9 e	13-2 e	10-9 e	15-3 i	13-2 i	10-9 a
1000S162-68	50	16-3	14-9 e	12-11 e	18-3 i	16-3 i	13-3 a	14-9	13-5 e	11-8 e	16-7 i	15-1 i	13-2 a
1000S200-68	33	16-0 e	13-10 e	11-3 e	16-0 i	13-10 a	11-3 a	15-3 e	13-10 e	11-3 e	16-0 i	13-10 a	11-3 a
1000S200-68	50	16-10	15-3 e	13-4 e	18-11 i	16-8 i	13-7 a	15-3	13-10 e	12-1 e	17-2 i	15-7 i	13-7 a
1000S250-68	33	16-11 e	14-8 e	12-0 e	16-11 i	14-8 a	12-0 a	16-0 e	14-7 e	12-0 e	16-11 i	14-8 a	12-0 a
1000S250-68	50	17-8 e	16-0 e	13-9 e	19-5 i	16-10 i	13-9 a	16-0	14-7 e	12-8 e	18-0 i	16-4 i	13-9 a
1000S300-68	33	17-6 e	15-2 e	12-4 e	17-6 i	15-2 a	12-4 a	16-8 e	15-2 e	12-4 e	17-6 i	15-2 a	12-4 a
1000S300-68	50	18-4 e	16-8 e	14-6 e	20-6 i	17-9 a	14-6 a	16-8	15-1 e	13-2 e	18-8 i	17-0 i	14-6 a
1000S162-97	33	18-0	15-7	12-8	18-0	15-7 i	12-8 i	16-6	15-0	12-8	18-0	15-7 i	12-8 i
1000S162-97	50	18-2	16-6	14-5	20-5	18-6	15-8 i	16-6	15-0	13-1	18-6	16-10	14-8 i
1000S200-97	33	18-9	16-4	13-4	18-11 i	16-4 i	13-4 i	17-1	15-6	13-4	18-11 i	16-4 i	13-4 i
1000S200-97	50	18-9	17-1	14-11	21-1	19-2 i	16-5 i	17-1	15-6	13-6	19-2	17-5	15-2 i
1000S250-97	33	19-9	17-7	14-4	20-4 i	17-7 i	14-4 i	17-11	16-3	14-3	20-1 i	17-7 i	14-4 i
1000S250-97	50	19-9	17-11	15-8	22-2	20-1 i	17-4 i	17-11	16-3	14-3	20-1	18-3	16-0 i
1000S300-97	33	20-7	18-8	15-3 e	21-7 i	18-8 i	15-3 i	18-8	17-0	14-10 e	21-0 i	18-8 i	15-3 i
1000S300-97	50	20-7	18-8	16-4	23-1	21-0 i	18-1 i	18-8	17-0	14-10	21-0	19-1 i	16-8 i

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notes:

- "e" requires web stiffeners at end supports
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15 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a
1125S162-33	33	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a
1125S200-33	33	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a	4-7 e	3-5 e	2-3 e	3-8 a	2-9 a	1-10 a
1125S137-43	33	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a
1125S162-43	33	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a
1125S200-43	33	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a
1125S250-43	33	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a
1125S300-43	33	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a	10-2 e	7-7 e	5-1 e	8-1 a	6-1 a	4-0 a
1125S137-54	33	13-7 e	11-9 e	9-7 e	13-7 a	11-9 a	8-0 a	13-7 e	11-9 e	9-7 e	13-7 a	11-9 a	8-0 a
1125S137-54	50	15-6 e	13-5 e	10-1 e	15-6 a	12-1 a	8-0 a	14-8 e	13-4 e	10-1 e	15-6 a	12-1 a	8-0 a
1125S162-54	33	14-4 e	12-5 e	10-1 e	14-4 a	12-1 a	8-0 a	14-4 e	12-5 e	10-1 e	14-4 a	12-1 a	8-0 a
1125S162-54	50	16-5 e	14-3 e	10-1 e	16-1 a	12-1 a	8-0 a	15-2 e	13-9 e	10-1 e	16-1 a	12-1 a	8-0 a
1125S200-54	33	14-10 e	12-10 e	10-1 e	14-10 a	12-1 a	8-0 a	14-10 e	12-10 e	10-1 e	14-10 a	12-1 a	8-0 a
1125S200-54	50	16-2 e	14-0 e	10-1 e	16-1 a	12-1 a	8-0 a	15-8 e	14-0 e	10-1 e	16-1 a	12-1 a	8-0 a
1125S250-54	33	15-4 e	13-4 e	10-1 e	15-4 a	12-1 a	8-0 a	15-4 e	13-4 e	10-1 e	15-4 a	12-1 a	8-0 a
1125S250-54	50	17-3 e	14-11 e	10-1 e	16-1 a	12-1 a	8-0 a	16-4 e	14-10 e	10-1 e	16-1 a	12-1 a	8-0 a
1125S300-54	33	16-2 e	14-0 e	10-1 e	16-1 a	12-1 a	8-0 a	16-2 e	14-0 e	10-1 e	16-1 a	12-1 a	8-0 a
1125S300-54	50	18-2 e	15-1 e	10-1 e	16-1 a	12-1 a	8-0 a	16-11 e	15-1 e	10-1 e	16-1 a	12-1 a	8-0 a
1125S137-68	33	15-10 e	13-8 e	11-2 e	15-10 i	13-8 a	11-2 a	15-9 e	13-8 e	11-2 e	15-10 i	13-8 a	11-2 a
1125S137-68	50	17-4 e	15-9 e	13-4 e	18-11 i	16-4 i	13-4 a	15-9	14-4 e	12-6 e	17-8 i	16-1 i	13-4 a
1125S162-68	33	16-8 e	14-5 e	11-9 e	16-8 i	14-5 a	11-9 a	16-4 e	14-5 e	11-9 e	16-8 i	14-5 a	11-9 a
1125S162-68	50	17-11 e	16-4 e	14-1 e	19-11 i	17-3 a	14-1 a	16-4	14-10 e	12-11 e	18-4 i	16-7 a	14-1 a
1125S200-68	33	17-5 e	15-1 e	12-4 e	17-5 i	15-1 a	12-4 a	16-10 e	15-1 e	12-4 e	17-5 i	15-1 a	12-4 a
1125S200-68	50	18-6 e	16-10 e	14-4 e	20-3 i	17-7 a	14-4 a	16-10 e	15-3 e	13-4 e	18-11 i	17-2 a	14-4 a
1125S250-68	33	18-5 e	15-11 e	13-0 e	18-5 a	15-11 a	13-0 a	17-7 e	15-11 e	13-0 e	18-5 a	15-11 a	13-0 a
1125S250-68	50	19-5 e	17-7 e	14-6 e	20-6 i	17-9 a	14-6 a	17-7 e	16-0 e	14-0 e	19-9 i	17-9 a	14-6 a
1125S300-68	33	19-0 e	16-5 e	13-5 e	19-0 a	16-5 a	13-5 a	18-4 e	16-5 e	13-5 e	19-0 a	16-5 a	13-5 a
1125S300-68	50	20-2 e	18-4 e	15-4 e	21-8 i	18-9 a	15-4 a	18-4 e	16-8 e	14-6 e	20-7 i	18-8 a	15-4 a
1125S162-97	33	19-8	17-0	13-11	19-8 i	17-0 i	13-11 i	18-3	16-7	13-11	19-8 i	17-0 i	13-11 i
1125S162-97	50	20-1	18-3	15-11	22-6	20-5 i	17-1 i	18-3	16-7	14-5	20-5	18-7 i	16-3 i
1125S200-97	33	20-8	17-10	14-7 e	20-8 i	17-10 i	14-7 i	18-10	17-1	14-7 e	20-8 i	17-10 i	14-7 i
1125S200-97	50	20-9	18-10	16-5	23-3	21-2 i	17-11 i	18-10	17-1	14-11	21-2	19-2 i	16-9 i
1125S250-97	33	21-8	19-2	15-8 e	22-2 i	19-2 i	15-8 i	19-8	17-11	15-8 e	22-2 i	19-2 i	15-8 i
1125S250-97	50	21-8	19-8	17-3	24-4	22-2 i	18-11 i	19-8	17-11	15-8	22-2	20-1 i	17-7 i
1125S300-97	33	22-7	20-3	16-6 e	23-5 i	20-3 i	16-6 i	20-6	18-8	16-3 e	23-1 i	20-3 i	16-6 i
1125S300-97	50	22-7	20-6	17-11 e	25-4 i	23-1 i	19-8 i	20-6	18-8	16-3	23-1	20-11 i	18-3 i

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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a
1200S162-33	33	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a
1200S200-33	33	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a	4-3 e	3-2 e	2-1 e	3-5 a	2-6 a	1-8 a
1200S137-43	33	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a
1200S162-43	33	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a
1200S200-43	33	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a
1200S250-43	33	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a
1200S300-43	33	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a	9-6 e	7-1 e	4-9 e	7-7 a	5-8 a	3-9 a
1200S137-54	33	14-0 e	12-1 e	9-5 e	14-0 a	11-4 a	7-6 a	14-0 e	12-1 e	9-5 e	14-0 a	11-4 a	7-6 a
1200S137-54	50	16-0 e	13-10 e	9-5 e	15-1 a	11-4 a	7-6 a	15-6 e	13-10 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S162-54	33	14-9 e	12-9 e	9-5 e	14-9 a	11-4 a	7-6 a	14-9 e	12-9 e	9-5 e	14-9 a	11-4 a	7-6 a
1200S162-54	50	16-11 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a	16-0 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S200-54	33	15-3 e	13-2 e	9-5 e	15-1 a	11-4 a	7-6 a	15-3 e	13-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S200-54	50	16-8 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a	16-6 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S250-54	33	15-10 e	13-8 e	9-5 e	15-1 a	11-4 a	7-6 a	15-10 e	13-8 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S250-54	50	17-10 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a	17-3 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S300-54	33	16-8 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a	16-8 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S300-54	50	18-9 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a	17-10 e	14-2 e	9-5 e	15-1 a	11-4 a	7-6 a
1200S137-68	33	16-8 e	14-5 e	11-9 e	16-8 i	14-5 a	11-9 a	16-8 e	14-5 e	11-9 e	16-8 i	14-5 a	11-9 a
1200S137-68	50	18-4 e	16-8 e	13-8 e	19-5 i	16-9 a	13-8 a	16-8 e	15-2 e	13-3 e	18-8 i	16-9 a	13-8 a
1200S162-68	33	17-6 e	15-2 e	12-4 e	17-6 a	15-2 a	12-4 a	17-3 e	15-2 e	12-4 e	17-6 a	15-2 a	12-4 a
1200S162-68	50	18-11 e	17-3 e	14-6 e	20-6 i	17-9 a	14-6 a	17-3 e	15-8 e	13-8 e	19-4 i	17-7 a	14-6 a
1200S200-68	33	18-3 e	15-10 e	12-11 e	18-3 a	15-10 a	12-11 a	17-9 e	15-10 e	12-11 e	18-3 a	15-10 a	12-11 a
1200S200-68	50	19-6 e	17-9 e	14-9 e	20-10 i	18-1 a	14-9 a	17-9 e	16-1 e	14-1 e	19-11 i	18-1 a	14-9 a
1200S250-68	33	19-4 e	16-8 e	13-8 e	19-4 a	16-8 a	13-8 a	18-7 e	16-8 e	13-8 e	19-4 a	16-8 a	13-8 a
1200S250-68	50	20-5 e	18-3 e	14-11 e	21-1 i	18-3 a	14-11 a	18-7 e	16-10 e	14-9 e	20-10 i	18-3 a	14-11 a
1200S300-68	33	19-10 e	17-2 e	14-0 e	19-10 a	17-2 a	14-0 a	19-4 e	17-2 e	14-0 e	19-10 a	17-2 a	14-0 a
1200S300-68	50	21-3 e	19-4 e	15-9 e	22-4 a	19-4 a	15-1 a	19-4 e	17-6 e	15-4 e	21-8 a	19-4 a	15-1 a
1200S162-97	33	20-8	17-11	14-7 e	20-8 i	17-11 i	14-7 i	19-3	17-6	14-7 e	20-8 i	17-11 i	14-7 i
1200S162-97	50	21-2	19-3	16-10	23-9	21-7 i	18-0 i	19-3	17-6	15-3	21-7	19-8 i	17-2 i
1200S200-97	33	21-8	18-9	15-4 e	21-8 i	18-9 i	15-4 i	19-10	18-0	15-4 e	21-8 i	18-9 i	15-4 i
1200S200-97	50	21-10	19-10	17-4	24-7 i	22-4 i	18-10 i	19-10	18-0	15-9	22-4	20-3 i	17-8 i
1200S250-97	33	22-10	20-1	16-5 e	23-2 i	20-1 i	16-5 i	20-9	18-10	16-5 e	23-2 i	20-1 i	16-5 i
1200S250-97	50	22-10	20-9	18-2 e	25-8 i	23-4 i	19-10 i	20-9	18-10	16-6	23-4	21-2 i	18-6 i
1200S300-97	33	23-9	21-2 e	17-3 e	24-6 i	21-2 i	17-3 i	21-7	19-8	17-2 e	24-3 i	21-2 i	17-3 i
1200S300-97	50	23-9	21-7	18-10 e	26-9 i	24-3 i	20-7 i	21-7	19-8	17-2	24-3 i	22-1 i	19-3 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

15 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a
1400S162-33	33	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a
1400S200-33	33	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a	3-8 e	2-9 e	1-10 e	2-11 a	2-2 a	1-5 a
1400S137-43	33	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a
1400S162-43	33	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a
1400S200-43	33	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a
1400S250-43	33	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a
1400S300-43	33	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a	8-1 e	6-1 e	4-0 e	6-6 a	4-10 a	3-3 a
1400S137-54	33	14-11 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	14-11 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S137-54	50	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S162-54	33	15-10 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	15-10 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S162-54	50	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S200-54	33	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S200-54	50	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S250-54	33	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S250-54	50	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S300-54	33	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S300-54	50	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a	16-1 e	12-1 e	8-0 e	12-10 a	9-8 a	6-5 a
1400S137-68	33	18-1 e	15-8 e	12-9 e	18-1 a	15-8 a	12-9 a	18-1 e	15-8 e	12-9 e	18-1 a	15-8 a	12-9 a
1400S137-68	50	20-9 e	17-11 e	14-8 e	20-9 a	17-11 a	12-11 a	19-1 e	17-4 e	14-8 e	20-9 a	17-11 a	12-11 a
1400S162-68	33	19-0 e	16-5 e	13-5 e	19-0 a	16-5 a	12-11 a	19-0 e	16-5 e	13-5 e	19-0 a	16-5 a	12-11 a
1400S162-68	50	21-7 e	19-0 e	15-6 e	21-11 a	19-0 a	12-11 a	19-8 e	17-10 e	15-6 e	21-11 a	19-0 a	12-11 a
1400S200-68	33	19-10 e	17-2 e	14-0 e	19-10 a	17-2 a	12-11 a	19-10 e	17-2 e	14-0 e	19-10 a	17-2 a	12-11 a
1400S200-68	50	22-3 e	19-4 e	15-9 e	22-4 a	19-4 a	12-11 a	20-2 e	18-4 e	15-9 e	22-4 a	19-4 a	12-11 a
1400S250-68	33	20-10 e	18-0 e	14-8 e	20-10 a	18-0 a	12-11 a	20-10 e	18-0 e	14-8 e	20-10 a	18-0 a	12-11 a
1400S250-68	50	22-8 e	19-8 e	16-0 e	22-8 a	19-4 a	12-11 a	21-1 e	19-2 e	16-0 e	22-8 a	19-4 a	12-11 a
1400S300-68	33	21-3 e	18-5 e	15-0 e	21-3 a	18-5 a	12-11 a	21-3 e	18-5 e	15-0 e	21-3 a	18-5 a	12-11 a
1400S300-68	50	24-0 e	20-9 e	16-2 e	24-0 a	19-4 a	12-11 a	21-10 e	19-10 e	16-2 e	24-0 a	19-4 a	12-11 a
1400S162-97	33	23-4	20-2 e	16-6 e	23-4 i	20-2 i	16-6 i	22-0	19-11	16-6 e	23-4 i	20-2 i	16-6 i
1400S162-97	50	24-2	22-0	19-2 e	27-2 i	24-8 i	20-4 i	22-0	19-11	17-5 e	24-8 i	22-5 i	19-7 i
1400S200-97	33	24-4	21-1 e	17-3 e	24-4 i	21-1 i	17-3 i	22-7	20-6 e	17-3 e	24-4 i	21-1 i	17-3 i
1400S200-97	50	24-11	22-7	19-9 e	27-11 i	25-5 i	21-2 i	22-7	20-6	17-11 e	25-5 i	23-1 i	20-2 i
1400S250-97	33	25-11	22-6 e	18-4 e	25-11 i	22-6 i	18-4 a	23-7	21-5 e	18-4 e	25-11 i	22-6 i	18-4 a
1400S250-97	50	25-11	23-7	20-7 e	29-2 i	26-6 i	22-2 i	23-7	21-5	18-8 e	26-6 i	24-1 i	21-0 i
1400S300-97	33	26-11 e	23-8 e	19-4 e	27-4 i	23-8 i	19-4 a	24-6	22-3 e	19-4 e	27-4 i	23-8 i	19-4 a
1400S300-97	50	26-11	24-6	21-5 e	30-3 i	27-6 i	23-1 a	24-6	22-3	19-5 e	27-6 i	25-0 i	21-10 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- Spans are based on continuous lateral support of compression flange
- Web crippling based on 3.5" bearing length
- Joists must be braced against rotation at all supports by track or blocking
- Live load deflection checked for unbalanced condition
- Total deflection = $L/240$
- Web punchouts were not considered for shear or web crippling. Shear and web crippling reduction factors required for web punchouts.
- For two equal spans, the listed span is the distance from either end support to the center support.
Joists must be continuous over the center support.
- Bridging recommendations:

up to 14' span	1 row at mid-span
14' to 20' span	2 rows at 1/3 points
20' to 26' span	3 rows at 1/4 points

"e" requires web stiffeners at end supports

"i" requires web stiffeners at interior supports

"a" requires web stiffeners at all supports

25 psf Dead Load and 155 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a
1400S162-33	33	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a
1400S200-33	33	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a	2-10 e	2-1 e	1-5 e	2-3 a	1-8 a	1-1 a
1400S137-43	33	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a
1400S162-43	33	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a
1400S200-43	33	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a
1400S250-43	33	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a
1400S300-43	33	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a	6-4 e	4-9 e	3-2 e	5-0 a	3-9 a	2-6 a
1400S137-54	33	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S137-54	50	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S162-54	33	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S162-54	50	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S200-54	33	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S200-54	50	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S250-54	33	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S250-54	50	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S300-54	33	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S300-54	50	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a	12-6 e	9-4 e	6-3 e	10-0 a	7-6 a	5-0 a
1400S137-68	33	15-11 e	13-9 e	11-3 e	15-11 a	13-9 a	10-0 a	15-11 e	13-9 e	11-3 e	15-11 a	13-9 a	10-0 a
1400S137-68	50	18-3 e	15-10 e	12-6 e	18-3 a	15-1 a	10-0 a	17-9 e	15-10 e	12-6 e	18-3 a	15-1 a	10-0 a
1400S162-68	33	16-9 e	14-6 e	11-10 e	16-9 a	14-6 a	10-0 a	16-9 e	14-6 e	11-10 e	16-9 a	14-6 a	10-0 a
1400S162-68	50	19-4 e	16-9 e	12-6 e	19-4 a	15-1 a	10-0 a	18-3 e	16-7 e	12-6 e	19-4 a	15-1 a	10-0 a
1400S200-68	33	17-6 e	15-2 e	12-4 e	17-6 a	15-1 a	10-0 a	17-6 e	15-2 e	12-4 e	17-6 a	15-1 a	10-0 a
1400S200-68	50	19-8 e	17-1 e	12-6 e	19-8 a	15-1 a	10-0 a	18-10 e	17-1 e	12-6 e	19-8 a	15-1 a	10-0 a
1400S250-68	33	18-4 e	15-11 e	12-6 e	18-4 a	15-1 a	10-0 a	18-4 e	15-11 e	12-6 e	18-4 a	15-1 a	10-0 a
1400S250-68	50	20-0 e	17-4 e	12-6 e	20-0 a	15-1 a	10-0 a	19-7 e	17-4 e	12-6 e	20-0 a	15-1 a	10-0 a
1400S300-68	33	18-9 e	16-3 e	12-6 e	18-9 a	15-1 a	10-0 a	18-9 e	16-3 e	12-6 e	18-9 a	15-1 a	10-0 a
1400S300-68	50	21-2 e	18-4 e	12-6 e	20-1 a	15-1 a	10-0 a	20-4 e	18-4 e	12-6 e	20-1 a	15-1 a	10-0 a
1400S162-97	33	20-7	17-10 e	14-6 e	20-7 i	17-10 i	14-6 a	20-5	17-10 e	14-6 e	20-7 i	17-10 i	14-6 a
1400S162-97	50	22-6	20-5 e	17-10 e	25-3 i	21-11 i	17-11 a	20-5	18-7	16-3 e	22-11 i	20-10 i	17-11 a
1400S200-97	33	21-6 e	18-7 e	15-2 e	21-6 i	18-7 i	15-2 a	21-0 e	18-7 e	15-2 e	21-6 i	18-7 i	15-2 a
1400S200-97	50	23-2	21-0 e	18-4 e	26-0 i	22-10 i	18-8 a	21-0	19-1	16-8 e	23-8 i	21-6 i	18-8 a
1400S250-97	33	22-11 e	19-10 e	16-2 e	22-11 i	19-10 i	16-2 a	21-11 e	19-10 e	16-2 e	22-11 i	19-10 i	16-2 a
1400S250-97	50	24-2	21-11 e	19-2 e	27-2 i	24-0 i	19-7 a	21-11	19-11 e	17-5 e	24-8 i	22-5 i	19-7 a
1400S300-97	33	24-1 e	20-10 e	17-0 e	24-1 i	20-10 a	17-0 a	22-9 e	20-8 e	17-0 e	24-1 i	20-10 a	17-0 a
1400S300-97	50	25-1	22-9 e	19-11 e	28-2 i	24-11 i	20-4 a	22-9	20-8 e	18-1 e	25-7 i	23-3 i	20-4 a

Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

40 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S137-33	33	6-4 e	5-6 e	3-8 e	5-11 a	4-5 a	2-11 a	6-4 e	5-6 e	3-8 e	5-11 a	4-5 a	2-11 a
600S162-33	33	6-8 e	5-7 e	3-8 e	5-11 a	4-5 a	2-11 a	6-8 e	5-7 e	3-8 e	5-11 a	4-5 a	2-11 a
600S200-33	33	6-10 e	5-7 e	3-8 e	5-11 a	4-5 a	2-11 a	6-10 e	5-7 e	3-8 e	5-11 a	4-5 a	2-11 a
600S137-43	33	7-4 e	6-4 e	5-2 e	7-4 a	6-4 a	5-2 a	7-4 e	6-4 e	5-2 e	7-4 a	6-4 a	5-2 a
600S162-43	33	7-9 e	6-9 e	5-6 e	7-9 a	6-9 a	5-6 a	7-9 e	6-9 e	5-6 e	7-9 a	6-9 a	5-6 a
600S200-43	33	7-10 e	6-9 e	5-6 e	7-10 a	6-9 a	5-6 a	7-10 e	6-9 e	5-6 e	7-10 a	6-9 a	5-6 a
600S250-43	33	8-6 e	7-4 e	6-0 e	8-6 a	7-4 a	6-0 a	8-6 e	7-4 e	6-0 e	8-6 a	7-4 a	6-0 a
600S300-43	33	9-0 e	7-9 e	6-4 e	9-0 a	7-9 a	6-4 a	9-0 e	7-9 e	6-4 e	9-0 a	7-9 a	6-4 a
600S137-54	33	8-2	7-0 e	5-9 e	8-2 i	7-0 i	5-9 a	8-2	7-0 e	5-9 e	8-2 i	7-0 i	5-9 a
600S137-54	50	9-6	8-7 e	7-0 e	9-11 i	8-7 i	7-0 a	8-8	7-10 e	6-10 e	9-9 i	8-7 i	7-0 a
600S162-54	33	8-8 e	7-6 e	6-1 e	8-8 i	7-6 i	6-1 a	8-8 e	7-6 e	6-1 e	8-8 i	7-6 i	6-1 a
600S162-54	50	9-11	9-0 e	7-5 e	10-6 i	9-1 i	7-5 a	9-0	8-2 e	7-2 e	10-2 i	9-1 i	7-5 a
600S200-54	33	9-1 e	7-10 e	6-5 e	9-1 i	7-10 i	6-5 a	9-1 e	7-10 e	6-5 e	9-1 i	7-10 i	6-5 a
600S200-54	50	10-4 e	9-2 e	7-5 e	10-7 i	9-2 i	7-5 a	9-5	8-7 e	7-5 e	10-7 i	9-2 i	7-5 a
600S250-54	33	9-7 e	8-3 e	6-9 e	9-7 i	8-3 a	6-9 a	9-7 e	8-3 e	6-9 e	9-7 i	8-3 a	6-9 a
600S250-54	50	10-11 e	9-10 e	8-0 e	11-4 i	9-10 i	8-0 a	9-11	9-0 e	7-10 e	11-1 i	9-10 i	8-0 a
600S300-54	33	10-2 e	8-9 e	7-2 e	10-2 i	8-9 a	7-2 a	10-2 e	8-9 e	7-2 e	10-2 i	8-9 a	7-2 a
600S300-54	50	11-4 e	10-4 e	8-5 e	11-11 i	10-4 i	8-5 a	10-4	9-4 e	8-2 e	11-7 i	10-4 i	8-5 a
600S137-68	33	9-1	7-10	6-5	9-1 i	7-10 i	6-5 i	9-1	7-10	6-5	9-1 i	7-10 i	6-5 i
600S137-68	50	10-3	9-4	7-11	11-2	9-8 i	7-11 i	9-4	8-5	7-4	10-5	9-6 i	7-11 i
600S162-68	33	9-8	8-4	6-10 e	9-8 i	8-4 i	6-10 i	9-8	8-4	6-10 e	9-8 i	8-4 i	6-10 i
600S162-68	50	10-8	9-9	8-5 e	11-11 i	10-4 i	8-5 i	9-9	8-10	7-8	10-11	9-11 i	8-5 i
600S200-68	33	10-3	8-11	7-3 e	10-3 i	8-11 i	7-3 i	10-2	8-11	7-3 e	10-3 i	8-11 i	7-3 i
600S200-68	50	11-2	10-2	8-8 e	12-4 i	10-8 i	8-8 i	10-2	9-2	8-0	11-4 i	10-4 i	8-8 i
600S250-68	33	11-0	9-6	7-9 e	11-0 i	9-6 i	7-9 i	10-9	9-6	7-9 e	11-0 i	9-6 i	7-9 i
600S250-68	50	11-10	10-9	9-0 e	12-8 i	11-0 i	9-0 i	10-9	9-9	8-6 e	12-0 i	10-11 i	9-0 i
600S300-68	33	11-5	9-10	8-1 e	11-5 i	9-10 i	8-1 i	11-3	9-10	8-1 e	11-5 i	9-10 i	8-1 i
600S300-68	50	12-4	11-2	9-7 e	13-7 i	11-9 i	9-7 i	11-2	10-2	8-11 e	12-7 i	11-5 i	9-7 i
600S162-97	33	11-4	9-10	8-0	11-4	9-10	8-0	10-10	9-10	8-0	11-4	9-10	8-0
600S162-97	50	11-11	10-10	9-5	13-5	12-1	9-11	10-10	9-10	8-7	12-2	11-0	9-8
600S200-97	33	12-1	10-6	8-7	12-1	10-6	8-7 i	11-4	10-3	8-7	12-1	10-6	8-7 i
600S200-97	50	12-5	11-4	9-10	14-0	12-8	10-6	11-4	10-3	8-11	12-8	11-6	10-1
600S250-97	33	13-2	11-5	9-4	13-2	11-5	9-4 i	11-11	10-10	9-4	13-2	11-5	9-4 i
600S250-97	50	13-2	11-11	10-5	14-9	13-5	11-3 i	11-11	10-10	9-6	13-5	12-2	10-8
600S300-97	33	13-10	12-3	10-0	14-1	12-3	10-0 i	12-7	11-5	9-11	14-1	12-3	10-0 i
600S300-97	50	13-10	12-7	10-11	15-6	14-1	11-10 i	12-7	11-5	9-11	14-1	12-10	11-2

Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

40 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S137-33	33	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a
800S162-33	33	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a
800S200-33	33	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a	5-6 e	4-1 e	2-9 e	4-5 a	3-3 a	2-2 a
800S137-43	33	9-0 e	7-10 e	6-1 e	9-0 a	7-4 a	4-11 a	9-0 e	7-10 e	6-1 e	9-0 a	7-4 a	4-11 a
800S162-43	33	9-7 e	8-3 e	6-1 e	9-7 a	7-4 a	4-11 a	9-7 e	8-3 e	6-1 e	9-7 a	7-4 a	4-11 a
800S200-43	33	9-5 e	8-2 e	6-1 e	9-5 a	7-4 a	4-11 a	9-5 e	8-2 e	6-1 e	9-5 a	7-4 a	4-11 a
800S250-43	33	10-2 e	8-10 e	6-1 e	9-10 a	7-4 a	4-11 a	10-2 e	8-10 e	6-1 e	9-10 a	7-4 a	4-11 a
800S300-43	33	10-9 e	9-2 e	6-1 e	9-10 a	7-4 a	4-11 a	10-9 e	9-2 e	6-1 e	9-10 a	7-4 a	4-11 a
800S137-54	33	10-1 e	8-8 e	7-1 e	10-1 i	8-8 a	7-1 a	10-1 e	8-8 e	7-1 e	10-1 i	8-8 a	7-1 a
800S137-54	50	12-1 e	10-7 e	8-8 e	12-3 i	10-7 a	8-8 a	11-0 e	10-0 e	8-8 e	12-3 i	10-7 a	8-8 a
800S162-54	33	10-8 e	9-3 e	7-6 e	10-8 a	9-3 a	7-6 a	10-8 e	9-3 e	7-6 e	10-8 a	9-3 a	7-6 a
800S162-54	50	12-7 e	11-2 e	9-2 e	12-11 a	11-2 a	9-2 a	11-5 e	10-4 e	9-1 e	12-10 a	11-2 a	9-2 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	12-9 e	11-0 e	9-0 e	12-9 a	11-0 a	9-0 a	11-10 e	10-9 e	9-0 e	12-9 a	11-0 a	9-0 a
800S250-54	33	11-8 e	10-1 e	8-3 e	11-8 a	10-1 a	8-3 a	11-8 e	10-1 e	8-3 e	11-8 a	10-1 a	8-3 a
800S250-54	50	13-6 e	11-9 e	9-7 e	13-6 a	11-9 a	9-7 a	12-5 e	11-3 e	9-7 e	13-6 a	11-9 a	9-7 a
800S300-54	33	12-4 e	10-8 e	8-8 e	12-4 a	10-8 a	8-8 a	12-4 e	10-8 e	8-8 e	12-4 a	10-8 a	8-8 a
800S300-54	50	14-2 e	12-3 e	10-0 e	14-2 a	12-3 a	9-8 a	12-11 e	11-8 e	10-0 e	14-2 a	12-3 a	9-8 a
800S137-68	33	11-2	9-8 e	7-11 e	11-2 i	9-8 i	7-11 i	11-2	9-8 e	7-11 e	11-2 i	9-8 i	7-11 i
800S137-68	50	13-0	11-10	9-9 e	13-10 i	11-11 i	9-9 i	11-10	10-9	9-4 e	13-3 i	11-11 i	9-9 i
800S162-68	33	11-11	10-3 e	8-5 e	11-11 i	10-3 i	8-5 a	11-11	10-3 e	8-5 e	11-11 i	10-3 i	8-5 a
800S162-68	50	13-6	12-3 e	10-4 e	14-8 i	12-8 i	10-4 i	12-3	11-2	9-9 e	13-9 i	12-6 i	10-4 i
800S200-68	33	12-6 e	10-10 e	8-10 e	12-6 i	10-10 i	8-10 a	12-6 e	10-10 e	8-10 e	12-6 i	10-10 i	8-10 a
800S200-68	50	14-0	12-9 e	10-8 e	15-1 i	13-1 i	10-8 a	12-9	11-7	10-1 e	14-4 i	13-0 i	10-8 a
800S250-68	33	13-4 e	11-7 e	9-5 e	13-4 i	11-7 i	9-5 a	13-4 e	11-7 e	9-5 e	13-4 i	11-7 i	9-5 a
800S250-68	50	14-9	13-5 e	11-0 e	15-6 i	13-5 i	11-0 a	13-5	12-2 e	10-8 e	15-1 i	13-5 i	11-0 a
800S300-68	33	13-10 e	11-11 e	9-9 e	13-10 i	11-11 i	9-9 a	13-10 e	11-11 e	9-9 e	13-10 i	11-11 i	9-9 a
800S300-68	50	15-4	14-0 e	11-8 e	16-6 i	14-3 i	11-8 a	14-0	12-8 e	11-1 e	15-8 i	14-3 i	11-8 a
800S162-97	33	14-0	12-1	9-11	14-0	12-1	9-11 i	13-8	12-1	9-11	14-0	12-1	9-11 i
800S162-97	50	15-1	13-8	11-11	16-11	14-11	12-2 i	13-8	12-5	10-10	15-5	14-0	12-2 i
800S200-97	33	14-10	12-10	10-6	14-10	12-10 i	10-6 i	14-3	12-10	10-6	14-10	12-10 i	10-6 i
800S200-97	50	15-8	14-3	12-5	17-7	15-9	12-11 i	14-3	12-11	11-3	16-0	14-6	12-8 i
800S250-97	33	16-0	13-11	11-4	16-0	13-11 i	11-4 i	15-0	13-7	11-4	16-0	13-11 i	11-4 i
800S250-97	50	16-6	15-0	13-1	18-6	16-9 i	13-8 i	15-0	13-7	11-11	16-10	15-4	13-4 i
800S300-97	33	17-1	14-9	12-1	17-1 i	14-9 i	12-1 i	15-8	14-3	12-1	17-1 i	14-9 i	12-1 i
800S300-97	50	17-3	15-8	13-8	19-5	17-6 i	14-4 i	15-8	14-3	12-5	17-7	16-0	14-0 i

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Steel Stud Solutions

Floor Joist Span Tables (feet - inches)

notes:

- "e" requires web stiffeners at end supports
- "i" requires web stiffeners at interior supports
- "a" requires web stiffeners at all supports

40 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
925S137-33	33	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a
925S162-33	33	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a
925S200-33	33	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a	4-9 e	3-6 e	2-4 e	3-9 a	2-10 a	1-10 a
925S137-43	33	9-8 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a	9-8 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a
925S162-43	33	10-3 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a	10-3 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a
925S200-43	33	10-1 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a	10-1 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a
925S250-43	33	10-6 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a	10-6 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a
925S300-43	33	10-6 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a	10-6 e	7-11 e	5-3 e	8-5 a	6-4 a	4-2 a
925S137-54	33	11-3 e	9-8 e	7-11 e	11-3 a	9-8 a	7-11 a	11-3 e	9-8 e	7-11 e	11-3 a	9-8 a	7-11 a
925S137-54	50	13-1 e	11-4 e	9-3 e	13-1 a	11-4 a	8-4 a	12-5 e	11-3 e	9-3 e	13-1 a	11-4 a	8-4 a
925S162-54	33	11-10 e	10-3 e	8-4 e	11-10 a	10-3 a	8-4 a	11-10 e	10-3 e	8-4 e	11-10 a	10-3 a	8-4 a
925S162-54	50	13-10 e	12-0 e	9-9 e	13-10 a	12-0 a	8-4 a	12-10 e	11-8 e	9-9 e	13-10 a	12-0 a	8-4 a
925S200-54	33	12-3 e	10-8 e	8-8 e	12-3 a	10-8 a	8-4 a	12-3 e	10-8 e	8-8 e	12-3 a	10-8 a	8-4 a
925S200-54	50	13-7 e	11-9 e	9-7 e	13-7 a	11-9 a	8-4 a	13-4 e	11-9 e	9-7 e	13-7 a	11-9 a	8-4 a
925S250-54	33	12-11 e	11-2 e	9-1 e	12-11 a	11-2 a	8-4 a	12-11 e	11-2 e	9-1 e	12-11 a	11-2 a	8-4 a
925S250-54	50	14-6 e	12-7 e	10-3 e	14-6 a	12-6 a	8-4 a	13-11 e	12-7 e	10-3 e	14-6 a	12-6 a	8-4 a
925S300-54	33	13-7 e	11-9 e	9-7 e	13-7 a	11-9 a	8-4 a	13-7 e	11-9 e	9-7 e	13-7 a	11-9 a	8-4 a
925S300-54	50	15-2 e	13-2 e	10-5 e	15-2 a	12-6 a	8-4 a	14-6 e	13-2 e	10-5 e	15-2 a	12-6 a	8-4 a
925S137-68	33	12-6 e	10-10 e	8-10 e	12-6 i	10-10 i	8-10 a	12-6 e	10-10 e	8-10 e	12-6 i	10-10 i	8-10 a
925S137-68	50	14-8	13-4 e	10-11 e	15-5 i	13-4 i	10-11 a	13-4	12-1 e	10-7 e	15-0 i	13-4 i	10-11 a
925S162-68	33	13-3 e	11-5 e	9-4 e	13-3 i	11-5 i	9-4 a	13-3 e	11-5 e	9-4 e	13-3 i	11-5 i	9-4 a
925S162-68	50	15-3 e	13-10 e	11-6 e	16-3 i	14-1 i	11-6 a	13-10	12-7 e	11-0 e	15-6 i	14-1 i	11-6 a
925S200-68	33	13-11 e	12-0 e	9-10 e	13-11 i	12-0 a	9-10 a	13-11 e	12-0 e	9-10 e	13-11 i	12-0 a	9-10 a
925S200-68	50	15-9 e	14-4 e	11-10 e	16-9 i	14-6 i	11-10 a	14-4	13-0 e	11-4 e	16-1 i	14-6 i	11-10 a
925S250-68	33	14-9 e	12-9 e	10-5 e	14-9 i	12-9 a	10-5 a	14-9 e	12-9 e	10-5 e	14-9 i	12-9 a	10-5 a
925S250-68	50	16-7 e	14-11 e	12-2 e	17-3 i	14-11 i	12-2 a	15-1	13-8 e	11-11 e	16-11 i	14-11 i	12-2 a
925S300-68	33	15-3 e	13-2 e	10-9 e	15-3 i	13-2 a	10-9 a	15-3 e	13-2 e	10-9 e	15-3 i	13-2 a	10-9 a
925S300-68	50	17-3 e	15-8 e	12-10 e	18-3 i	15-9 a	12-10 a	15-8 e	14-2 e	12-5 e	17-7 i	15-9 a	12-10 a
925S162-97	33	15-7	13-6	11-0	15-7	13-6 i	11-0 i	15-5	13-6	11-0	15-7	13-6 i	11-0 i
925S162-97	50	17-0	15-5	13-6	19-1	16-8 i	13-7 i	15-5	14-0	12-3	17-4	15-9	13-7 i
925S200-97	33	16-5	14-3	11-7	16-5 i	14-3 i	11-7 i	16-0	14-3	11-7	16-5 i	14-3 i	11-7 i
925S200-97	50	17-7	16-0	14-0	19-9	17-6 i	14-4 i	16-0	14-6	12-8	18-0	16-4 i	14-3 i
925S250-97	33	17-9	15-4	12-6	17-9 i	15-4 i	12-6 i	16-10	15-3	12-6	17-9 i	15-4 i	12-6 i
925S250-97	50	18-6	16-10	14-8	20-10	18-6 i	15-1 i	16-10	15-3	13-4	18-11	17-2 i	15-0 i
925S300-97	33	18-10	16-3	13-4 e	18-10 i	16-3 i	13-4 i	17-7	16-0	13-4 e	18-10 i	16-3 i	13-4 i
925S300-97	50	19-4	17-7	15-4	21-9 i	19-4 i	15-10 i	17-7	16-0	13-11	19-9	17-11 i	15-8 i

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Floor Joist Span Tables (feet - inches)

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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S137-33	33	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a
1000S162-33	33	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a
1000S200-33	33	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a	4-4 e	3-3 e	2-2 e	3-6 a	2-7 a	1-9 a
1000S137-43	33	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a
1000S162-43	33	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a
1000S200-43	33	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a
1000S250-43	33	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a
1000S300-43	33	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a	9-9 e	7-3 e	4-10 e	7-9 a	5-10 a	3-10 a
1000S137-54	33	11-11 e	10-4 e	8-5 e	11-11 a	10-4 a	7-8 a	11-11 e	10-4 e	8-5 e	11-11 a	10-4 a	7-8 a
1000S137-54	50	13-7 e	11-9 e	9-7 e	13-7 a	11-7 a	7-8 a	13-3 e	11-9 e	9-7 e	13-7 a	11-7 a	7-8 a
1000S162-54	33	12-7 e	10-10 e	8-10 e	12-7 a	10-10 a	7-8 a	12-7 e	10-10 e	8-10 e	12-7 a	10-10 a	7-8 a
1000S162-54	50	14-4 e	12-5 e	9-8 e	14-4 a	11-7 a	7-8 a	13-9 e	12-5 e	9-8 e	14-4 a	11-7 a	7-8 a
1000S200-54	33	13-0 e	11-3 e	9-2 e	13-0 a	11-3 a	7-8 a	13-0 e	11-3 e	9-2 e	13-0 a	11-3 a	7-8 a
1000S200-54	50	14-1 e	12-2 e	9-8 e	14-1 a	11-7 a	7-8 a	14-1 e	12-2 e	9-8 e	14-1 a	11-7 a	7-8 a
1000S250-54	33	13-5 e	11-8 e	9-6 e	13-5 a	11-7 a	7-8 a	13-5 e	11-8 e	9-6 e	13-5 a	11-7 a	7-8 a
1000S250-54	50	15-0 e	13-0 e	9-8 e	15-0 a	11-7 a	7-8 a	14-10 e	13-0 e	9-8 e	15-0 a	11-7 a	7-8 a
1000S300-54	33	14-1 e	12-3 e	9-8 e	14-1 a	11-7 a	7-8 a	14-1 e	12-3 e	9-8 e	14-1 a	11-7 a	7-8 a
1000S300-54	50	15-9 e	13-8 e	9-8 e	15-5 a	11-7 a	7-8 a	15-5 e	13-8 e	9-8 e	15-5 a	11-7 a	7-8 a
1000S137-68	33	13-3 e	11-6 e	9-5 e	13-3 i	11-6 i	9-5 a	13-3 e	11-6 e	9-5 e	13-3 i	11-6 i	9-5 a
1000S137-68	50	15-8 e	14-2 e	11-7 e	16-4 i	14-2 i	11-7 a	14-3	12-11 e	11-4 e	16-0 i	14-2 i	11-7 a
1000S162-68	33	14-0 e	12-2 e	9-11 e	14-0 i	12-2 a	9-11 a	14-0 e	12-2 e	9-11 e	14-0 i	12-2 a	9-11 a
1000S162-68	50	16-3 e	14-9 e	12-2 e	17-3 i	14-11 a	12-2 a	14-9 e	13-5 e	11-8 e	16-7 i	14-11 a	12-2 a
1000S200-68	33	14-9 e	12-9 e	10-5 e	14-9 i	12-9 a	10-5 a	14-9 e	12-9 e	10-5 e	14-9 i	12-9 a	10-5 a
1000S200-68	50	16-10 e	15-3 e	12-6 e	17-9 i	15-4 a	12-6 a	15-3 e	13-10 e	12-1 e	17-2 i	15-4 a	12-6 a
1000S250-68	33	15-7 e	13-6 e	11-0 e	15-7 i	13-6 a	11-0 a	15-7 e	13-6 e	11-0 e	15-7 i	13-6 a	11-0 a
1000S250-68	50	17-8 e	15-6 e	12-8 e	17-11 i	15-6 a	12-8 a	16-0 e	14-7 e	12-8 e	17-11 i	15-6 a	12-8 a
1000S300-68	33	16-1 e	13-11 e	11-5 e	16-1 a	13-11 a	11-5 a	16-1 e	13-11 e	11-5 e	16-1 a	13-11 a	11-5 a
1000S300-68	50	18-4 e	16-4 e	13-4 e	18-11 i	16-4 a	13-4 a	16-8 e	15-1 e	13-2 e	18-8 i	16-4 a	13-4 a
1000S162-97	33	16-7	14-4	11-8	16-7 i	14-4 i	11-8 i	16-6	14-4	11-8	16-7 i	14-4 i	11-8 i
1000S162-97	50	18-2	16-6	14-5	20-4	17-8 i	14-5 i	16-6	15-0	13-1	18-6	16-10 i	14-5 i
1000S200-97	33	17-5	15-1	12-4	17-5 i	15-1 i	12-4 i	17-1	15-1	12-4	17-5 i	15-1 i	12-4 i
1000S200-97	50	18-9	17-1	14-11	21-1	18-7 i	15-2 i	17-1	15-6	13-6	19-2	17-5 i	15-2 i
1000S250-97	33	18-9	16-3	13-3 e	18-9 i	16-3 i	13-3 i	17-11	16-3	13-3 e	18-9 i	16-3 i	13-3 i
1000S250-97	50	19-9	17-11	15-8 e	22-2 i	19-7 i	16-0 i	17-11	16-3	14-3	20-1	18-3 i	16-0 i
1000S300-97	33	19-10	17-2	14-0 e	19-10 i	17-2 i	14-0 i	18-8	17-0	14-0 e	19-10 i	17-2 i	14-0 i
1000S300-97	50	20-7	18-8	16-4 e	23-1 i	20-5 i	16-8 i	18-8	17-0	14-10	21-0	19-1 i	16-8 i

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Floor Joist Span Tables (feet - inches)

notes:

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40 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1125S137-33	33	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a
1125S162-33	33	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a
1125S200-33	33	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a	3-10 e	2-11 e	1-11 e	3-1 a	2-4 a	1-6 a
1125S137-43	33	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a
1125S162-43	33	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a
1125S200-43	33	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a
1125S250-43	33	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a
1125S200-43	33	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a	8-7 e	6-5 e	4-3 e	6-11 a	5-2 a	3-5 a
1125S137-54	33	12-6 e	10-10 e	8-6 e	12-6 a	10-3 a	6-10 a	12-6 e	10-10 e	8-6 e	12-6 a	10-3 a	6-10 a
1125S137-54	50	14-3 e	12-4 e	8-6 e	13-8 a	10-3 a	6-10 a	14-3 e	12-4 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S162-54	33	13-3 e	11-5 e	8-6 e	13-3 a	10-3 a	6-10 a	13-3 e	11-5 e	8-6 e	13-3 a	10-3 a	6-10 a
1125S162-54	50	15-2 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	15-2 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S200-54	33	13-8 e	11-10 e	8-6 e	13-8 a	10-3 a	6-10 a	13-8 e	11-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S200-54	50	14-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	14-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S250-54	33	14-2 e	12-3 e	8-6 e	13-8 a	10-3 a	6-10 a	14-2 e	12-3 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S250-54	50	15-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	15-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S300-54	33	14-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	14-11 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S300-54	50	16-9 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a	16-9 e	12-10 e	8-6 e	13-8 a	10-3 a	6-10 a
1125S137-68	33	14-7 e	12-7 e	10-3 e	14-7 i	12-7 a	10-3 a	14-7 e	12-7 e	10-3 e	14-7 i	12-7 a	10-3 a
1125S137-68	50	17-4 e	15-1 e	12-3 e	17-5 i	15-1 a	12-3 a	15-9 e	14-4 e	12-3 e	17-5 i	15-1 a	12-3 a
1125S162-68	33	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	10-10 a	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	10-10 a
1125S162-68	50	17-11 e	15-11 e	13-0 e	18-4 i	15-11 a	13-0 a	16-4 e	14-10 e	12-11 e	18-4 i	15-11 a	13-0 a
1125S200-68	33	16-1 e	13-11 e	11-4 e	16-1 a	13-11 a	11-4 a	16-1 e	13-11 e	11-4 e	16-1 a	13-11 a	11-4 a
1125S200-68	50	18-6 e	16-2 e	13-2 e	18-8 i	16-2 a	13-2 a	16-10 e	15-3 e	13-2 e	18-8 i	16-2 a	13-2 a
1125S250-68	33	17-0 e	14-8 e	12-0 e	17-0 a	14-8 a	12-0 a	17-0 e	14-8 e	12-0 e	17-0 a	14-8 a	12-0 a
1125S250-68	50	18-10 e	16-4 e	13-4 e	18-10 a	16-4 a	13-4 a	17-7 e	16-0 e	13-4 e	18-10 a	16-4 a	13-4 a
1125S300-68	33	17-6 e	15-2 e	12-4 e	17-6 a	15-2 a	12-4 a	17-6 e	15-2 e	12-4 e	17-6 a	15-2 a	12-4 a
1125S300-68	50	19-11 e	17-3 e	14-1 e	19-11 a	17-3 a	13-8 a	18-4 e	16-8 e	14-1 e	19-11 a	17-3 a	13-8 a
1125S162-97	33	18-1	15-8	12-9 e	18-1 i	15-8 i	12-9 i	18-1	15-8	12-9 e	18-1 i	15-8 i	12-9 i
1125S162-97	50	20-1	18-3	15-9 e	22-4 i	19-4 i	15-9 i	18-3	16-7	14-5	20-5	18-7 i	15-9 i
1125S200-97	33	19-0	16-5	13-5 e	19-0 i	16-5 i	13-5 i	18-10	16-5	13-5 e	19-0 i	16-5 i	13-5 i
1125S200-97	50	20-9	18-10	16-5 e	23-3 i	20-3 i	16-6 i	18-10	17-1	14-11	21-2 i	19-2 i	16-6 i
1125S250-97	33	20-5	17-8	14-5 e	20-5 i	17-8 i	14-5 i	19-8	17-8	14-5 e	20-5 i	17-8 i	14-5 i
1125S250-97	50	21-8	19-8	17-3 e	24-4 i	21-4 i	17-5 i	19-8	17-11	15-8 e	22-2 i	20-1 i	17-5 i
1125S300-97	33	21-6	18-8 e	15-3 e	21-6 i	18-8 i	15-3 i	20-6	18-8 e	15-3 e	21-6 i	18-8 i	15-3 i
1125S300-97	50	22-7	20-6	17-11 e	25-4 i	22-3 i	18-2 i	20-6	18-8	16-3 e	23-1 i	20-11 i	18-2 i

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Floor Joist Span Tables (feet - inches)

notes:

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40 psf Dead Load and 125 psf Live Load													
Section Designation	Fy ksi	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S137-33	33	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a
1200S162-33	33	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a
1200S200-33	33	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a	3-7 e	2-8 e	1-9 e	2-11 a	2-2 a	1-5 a
1200S137-43	33	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a
1200S162-43	33	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a
1200S200-43	33	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a
1200S250-43	33	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a
1200S300-43	33	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a	8-1 e	6-0 e	4-0 e	6-5 a	4-10 a	3-2 a
1200S137-54	33	12-10 e	11-2 e	8-0 e	12-9 a	9-7 a	6-4 a	12-10 e	11-2 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S137-54	50	14-9 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	14-9 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S162-54	33	13-7 e	11-9 e	8-0 e	12-9 a	9-7 a	6-4 a	13-7 e	11-9 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S162-54	50	15-7 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	15-7 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S200-54	33	14-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	14-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S200-54	50	15-4 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	15-4 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S250-54	33	14-7 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	14-7 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S250-54	50	16-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	16-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S300-54	33	15-4 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	15-4 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S300-54	50	16-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a	16-0 e	12-0 e	8-0 e	12-9 a	9-7 a	6-4 a
1200S137-68	33	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	10-10 a	15-4 e	13-3 e	10-10 e	15-4 a	13-3 a	10-10 a
1200S137-68	50	17-10 e	15-6 e	12-7 e	17-10 i	15-6 a	12-7 a	16-8 e	15-2 e	12-7 e	17-10 i	15-6 a	12-7 a
1200S162-68	33	16-1 e	13-11 e	11-4 e	16-1 a	13-11 a	11-4 a	16-1 e	13-11 e	11-4 e	16-1 a	13-11 a	11-4 a
1200S162-68	50	18-10 e	16-4 e	13-4 e	18-10 a	16-4 a	12-10 a	17-3 e	15-8 e	13-4 e	18-10 a	16-4 a	12-10 a
1200S200-68	33	16-10 e	14-7 e	11-11 e	16-10 a	14-7 a	11-11 a	16-10 e	14-7 e	11-11 e	16-10 a	14-7 a	11-11 a
1200S200-68	50	19-2 e	16-8 e	13-7 e	19-2 a	16-8 a	12-10 a	17-9 e	16-1 e	13-7 e	19-2 a	16-8 a	12-10 a
1200S250-68	33	17-9 e	15-5 e	12-7 e	17-9 a	15-5 a	12-7 a	17-9 e	15-5 e	12-7 e	17-9 a	15-5 a	12-7 a
1200S250-68	50	19-5 e	16-10 e	13-9 e	19-5 a	16-10 a	12-10 a	18-7 e	16-10 e	13-9 e	19-5 a	16-10 a	12-10 a
1200S300-68	33	18-3 e	15-10 e	12-11 e	18-3 a	15-10 a	12-10 a	18-3 e	15-10 e	12-11 e	18-3 a	15-10 a	12-10 a
1200S300-68	50	20-7 e	17-9 e	14-6 e	20-7 a	17-9 a	12-10 a	19-4 e	17-6 e	14-6 e	20-7 a	17-9 a	12-10 a
1200S162-97	33	19-0	16-6	13-5 e	19-0 i	16-6 i	13-5 i	19-0	16-6	13-5 e	19-0 i	16-6 i	13-5 i
1200S162-97	50	21-2	19-3	16-7 e	23-5 i	20-3 i	16-7 i	19-3	17-6	15-3 e	21-7 i	19-8 i	16-7 i
1200S200-97	33	19-11	17-3	14-1 e	19-11 i	17-3 i	14-1 i	19-10	17-3	14-1 e	19-11 i	17-3 i	14-1 i
1200S200-97	50	21-10	19-10	17-4 e	24-6 i	21-3 i	17-4 i	19-10	18-0	15-9 e	22-4 i	20-3 i	17-4 i
1200S250-97	33	21-4	18-6 e	15-1 e	21-4 i	18-6 i	15-1 i	20-9	18-6 e	15-1 e	21-4 i	18-6 i	15-1 i
1200S250-97	50	22-10	20-9	18-2 e	25-8 i	22-4 i	18-3 i	20-9	18-10	16-6 e	23-4 i	21-2 i	18-3 i
1200S300-97	33	22-6	19-6 e	15-11 e	22-6 i	19-6 i	15-11 a	21-7	19-6 e	15-11 e	22-6 i	19-6 i	15-11 a
1200S300-97	50	23-9	21-7	18-10 e	26-9 i	23-3 i	19-0 i	21-7	19-8	17-2 e	24-3 i	22-1 i	19-0 i

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		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
1400S137-33	33	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a
1400S162-33	33	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a
1400S200-33	33	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a	3-1 e	2-4 e	1-6 e	2-5 a	1-10 a	1-2 a
1400S137-43	33	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a
1400S162-43	33	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a
1400S200-43	33	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a
1400S250-43	33	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a
1400S300-43	33	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a	6-11 e	5-2 e	3-5 e	5-6 a	4-1 a	2-9 a
1400S137-54	33	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S137-54	50	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S162-54	33	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S162-54	50	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S200-54	33	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S200-54	50	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S250-54	33	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S250-54	50	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S300-54	33	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S300-54	50	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a	13-8 e	10-3 e	6-10 e	10-11 a	8-2 a	5-5 a
1400S137-68	33	16-8 e	14-5 e	11-9 e	16-8 a	14-5 a	10-11 a	16-8 e	14-5 e	11-9 e	16-8 a	14-5 a	10-11 a
1400S137-68	50	19-1 e	16-6 e	13-6 e	19-1 a	16-5 a	10-11 a	19-1 e	16-6 e	13-6 e	19-1 a	16-5 a	10-11 a
1400S162-68	33	17-6 e	15-2 e	12-4 e	17-6 a	15-2 a	10-11 a	17-6 e	15-2 e	12-4 e	17-6 a	15-2 a	10-11 a
1400S162-68	50	20-2 e	17-6 e	13-8 e	20-2 a	16-5 a	10-11 a	19-8 e	17-6 e	13-8 e	20-2 a	16-5 a	10-11 a
1400S200-68	33	18-3 e	15-10 e	12-11 e	18-3 a	15-10 a	10-11 a	18-3 e	15-10 e	12-11 e	18-3 a	15-10 a	10-11 a
1400S200-68	50	20-7 e	17-10 e	13-8 e	20-7 a	16-5 a	10-11 a	20-2 e	17-10 e	13-8 e	20-7 a	16-5 a	10-11 a
1400S250-68	33	19-2 e	16-7 e	13-6 e	19-2 a	16-5 a	10-11 a	19-2 e	16-7 e	13-6 e	19-2 a	16-5 a	10-11 a
1400S250-68	50	20-11 e	18-1 e	13-8 e	20-11 a	16-5 a	10-11 a	20-11 e	18-1 e	13-8 e	20-11 a	16-5 a	10-11 a
1400S300-68	33	19-7 e	16-11 e	13-8 e	19-7 a	16-5 a	10-11 a	19-7 e	16-11 e	13-8 e	19-7 a	16-5 a	10-11 a
1400S300-68	50	22-1 e	19-2 e	13-8 e	21-11 a	16-5 a	10-11 a	21-10 e	19-2 e	13-8 e	21-11 a	16-5 a	10-11 a
1400S162-97	33	21-6	18-7 e	15-2 e	21-6 i	18-7 i	15-2 a	21-6	18-7 e	15-2 e	21-6 i	18-7 i	15-2 a
1400S162-97	50	24-2	22-0 e	18-8 e	26-5 i	22-11 i	18-8 i	22-0	19-11	17-5 e	24-8 i	22-5 i	18-8 i
1400S200-97	33	22-5	19-5 e	15-10 e	22-5 i	19-5 i	15-10 a	22-5	19-5 e	15-10 e	22-5 i	19-5 i	15-10 a
1400S200-97	50	24-11	22-7 e	19-6 e	27-7 i	23-11 i	19-6 a	22-7	20-6	17-11 e	25-5 i	23-1 i	19-6 a
1400S250-97	33	23-11 e	20-8 e	16-11 e	23-11 i	20-8 i	16-11 a	23-7 e	20-8 e	16-11 e	23-11 i	20-8 i	16-11 a
1400S250-97	50	25-11	23-7 e	20-5 e	28-11 i	25-1 i	20-5 a	23-7	21-5 e	18-8 e	26-6 i	24-1 i	20-5 a
1400S300-97	33	25-2 e	21-9 e	17-9 e	25-2 i	21-9 i	17-9 a	24-6 e	21-9 e	17-9 e	25-2 i	21-9 i	17-9 a
1400S300-97	50	26-11	24-6 e	21-3 e	30-0 i	26-0 i	21-3 a	24-6	22-3 e	19-5 e	27-6 i	25-0 i	21-3 a

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