

BRIDGING

Bridging Requirements of Joists

Series	Section Numbers ¹	Erection Stability Spans ³		Number of Rows of Top Chord Bridging Req'd						
		Depth (in.)	Span (ft.) ²	1	2	3	4	5	6	
K	#1	12	23	17	>17-26	>26-28				
		14	27	17	>17-26	>26-28				
	#2	16	29	21	>21-30	>30-32				
		#3	16	30	18	>18-26	>26-40			
	18		31	18	>18-26	>26-40				
	20		32	18	>18-26	>26-40				
	#4	16	32	20	>20-30	>30-41	≥41-48			
		18	32	20	>20-30	>30-41	≥41-48			
		20	34	20	>20-30	>30-41	≥41-48			
		22	34	20	>20-30	>30-41	≥41-48			
		24	36	20	>20-30	>30-41	≥41-48			
	#5	12-14	Not Req'd	20	>20-30	>30-42	≥42-48			
		16	32	20	>20-30	>30-42	≥42-48			
		18	33	20	>20-30	>30-42	≥42-48			
		20	34	20	>20-30	>30-42	≥42-48			
		22	35	20	>20-30	>30-42	≥42-48			
		24	38	20	>20-30	>30-42	≥42-48			
	#6	26	38	28	>28-41	>41-52				
		14-16	Not Req'd	20	>20-31	>31-42	≥42-48			
		18	35	20	>20-31	>31-42	≥42-48			
		20	36	20	>20-31	>31-42	≥42-48			
		22	36	20	>20-31	>31-42	≥42-48			
		24	39	20	>20-31	>31-42	≥42-48			
	#7	26	39	28	>28-41	>41-54	≥54-56			
		28	40	28	>28-41	>41-54	≥54-56			
		16-18	Not Req'd	23	>23-34	>34-48				
		20	39	23	>23-34	>34-48				
		22	40	23	>23-34	>34-48				
		24	43	23	>23-34	>34-48				
	#8	26	43	29	>29-44	>44-60				
		28	43	29	>29-44	>44-60				
		30	44	29	>29-44	>44-60				
		24	43	25	>25-39	>39-48				
		26	44	29	>29-44	>44-60				
		28	44	29	>29-44	>44-60				
	#9	30	45	29	>29-44	>44-60				
		16-18	Not Req'd	22	>22-34	>34-48				
		20	39	22	>22-34	>34-48				
		22	40	22	>22-34	>34-48				
		24	44	22	>22-34	>34-48				
		26	44	29	>29-44	>44-60				

*See Page 37 for Notes

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Series	Section Numbers ¹	Erection Stability Spans ³		Number of Rows of Top Chord Bridging Req'd					
		Depth (in.)	Span (ft.) ²	1	2	3	4	5	6
K	#10	18-24	Not Req'd	22	>22-38	>38-48			
		26	49	29	>29-48	>48-60			
		28	49	29	>29-48	>48-60			
		30	50	29	>29-48	>48-60			
	#11	22	Not Req'd	24	>24-39	>39-44			
		30	52	34	>34-49	>49-60			
	#12	24	Not Req'd	25	>25-43	>43-48			
		26	Not Req'd	29	>29-47	>47-60			
		28	53	29	>29-47	>47-60			
		30	54	29	>29-47	>47-60			

1. Last Digit(s) of joist designation.
2. For spans EQUAL TO OR EXCEEDING that shown, one of the rows nearest mid-span must be bolted diagonal type. For spans through 60 feet, the bolted diagonal bridging must be installed BEFORE releasing the hoisting lines. FOR SPANS OVER 60 FEET, ALL BRIDGING ROWS MUST BE BOLTED DIAGONAL TYPE. Spans over 60 feet through 100 feet require two rows of bolted diagonal bridging to be installed, at one-third points, BEFORE releasing the hoisting lines. Spans over 100 feet require ALL rows of bolted diagonal bridging to be installed BEFORE releasing the hoisting lines.
3. See SJI Specification Section 5.2 for definition of span.