MAXIMUM BEAM SPAN - RESIDENTAL DECKS (40 PSF LIVE LOAD / 10 PSF DEAD LOAD)										
		Tributary Load Width (Tributary width is the portion of the joist span supported by the beam)								
		Tributary Width	Tributary Width	Tributary Width	Tributary Width	Tributary Width	Tributary Width	Tributary Width	Tributary Width	Tributary Width
Beam Size	Nominal Wall Thickness (in.)	4'	5'	6'	7'	8'	9'	10'	11'	12'
1.5" x 3.5"	0.109	7' - 3"	6' - 9"	6' - 4"	6' - 1"	5' - 9"	5' - 7"	5' - 4"	5' - 2"	5' - 1"
	0.083	6' - 9"	6' - 3"	5' - 11"	5' - 7"	5' - 4"	5' - 2"	5' - 0"	4' - 10"	4' - 8"
	0.065	6' - 3"	5' - 10"	5' - 6"	5' - 2"	5' - 0"	4' - 9"	4' - 7"	4' - 6"	4' - 4"
2 - 1.5" x 3.5"	0.109	8' - 7"	8' - 0"	7' - 6"	7' - 1"	6' - 10"	6' - 7"	6' - 4"	6' - 1"	5' - 11"
	0.083	7' - 11"	7' - 4"	6' - 11"	6' - 7"	6' - 3"	6' - 1"	5' - 10"	5' - 8"	5' - 6"
	0.065	7' - 4"	6' - 10"	6' - 5"	6' - 1"	5' - 10"	5' - 7"	5' - 5"	5' - 3"	5' - 1"
3 - 1.5" x 3.5"	0.109	9' - 7"	8' - 11"	8' - 4"	7' - 11"	7' - 7"	7' - 4"	7' - 1"	6' - 10"	6' - 8"
	0.083	8' - 10"	8' - 2"	7' - 9"	7' - 4"	7' - 0"	6' - 9"	6' - 6"	6' - 4"	6' - 1"
	0.065	8' - 2"	7' - 7"	7' - 1"	6' - 9"	6' - 6"	6' - 3"	6' - 0"	5' - 10"	5' - 8"
2" x 4"	0.109	8' - 8"	8' - 1"	7' - 7"	7' - 2"	6' - 11"	6' - 7"	6' - 5"	6' - 2"	6' - 0"
	0.083	8' - 0"	7' - 5"	7' - 0"	6' - 8"	6' - 4"	6' - 1"	5' - 11"	5' - 9"	5' - 7"
2 - 2" x 4"	0.109	10' - 3"	9' - 6"	9' - 0"	8' - 6"	8' - 2"	7' - 10"	7' - 7"	7' - 4"	7' - 1"
	0.083	9' - 6"	8' - 9"	8' - 3"	7' - 10"	7' - 6"	7' - 3"	7' - 0"	6' - 9"	6' - 7"
3 - 2" x 4"	0.109	11' - 6"	10' - 8"	10' - 0"	9' - 6"	9' - 1"	8' - 9"	8' - 5"	8' - 2"	7' - 11"
	0.083	10' - 7"	9' - 10"	9' - 3"	8' - 9"	8' - 5"	8' - 1"	7' - 9"	7' - 6"	7' - 4"
2" x 6"	0.109	12' - 2"	11' - 4"	10' - 8"	10' - 2"	9' - 8"	9' - 4"	9' - 0"	8' - 9"	8' - 6"
	0.083	11' - 3"	10' - 5"	9' - 10"	9' - 4"	8' - 11"	8' - 7"	8' - 4"	8' - 0"	7' - 10"
2 - 2" x 6"	0.109	14' - 1"	13' - 1"	12' - 4"	11' - 8"	11' - 2"	10' - 9"	10' - 5"	10' - 1"	9' - 9"
	0.083	13' - 0"	12' - 1"	11' - 4"	10' - 9"	10' - 4"	9' - 11"	9' - 7"	9' - 3"	9' - 0"
3 - 2" x 6"	0.109	15' - 7"	14' - 6"	13' - 7"	12' - 11"	12' - 4"	11' - 11"	11' - 6"	11' - 1"	10' - 10"
	0.083	14' - 4"	13' - 4"	12' - 6"	11' - 11"	11' - 4"	10' - 11"	10' - 7"	10' - 3"	9' - 11"

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