

MAXIMUM BEAM SPAN - RESIDENTIAL DECKS (60 PSF LIVE LOAD / 10 PSF DEAD LOAD)												
Beam Size	Nominal Wall Thickness (in.)	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	Tributary Width	
1.5" x 3.5"	0.109	4'	5'	6'	7'	8'	9'	10'	11'	12'		
	0.083	6'-4"	5'-11"	5'-7"	5'-3"	5'-1"	4'-10"	4'-8"	4'-6"	4'-5"		
	0.065	5'-11"	5'-6"	5'-2"	4'-11"	4'-8"	4'-6"	4'-4"	4'-3"	4'-1"		
	0.109	5'-6"	5'-1"	4'-9"	4'-7"	5'-0"	4'-2"	4'-0"	3'-10"	3'-8"		
	0.083	7'-6"	6'-11"	6'-7"	6'-3"	5'-11"	5'-9"	5'-6"	5'-4"	5'-2"		
	0.065	6'-11"	6'-5"	6'-1"	5'-9"	5'-6"	5'-3"	5'-1"	4'-11"	4'-10"		
	0.109	6'-5"	5'-11"	5'-7"	5'-4"	5'-1"	4'-11"	4'-9"	4'-7"	4'-5"		
	0.083	8'-4"	7'-9"	7'-4"	6'-11"	6'-8"	6'-4"	6'-2"	6'-0"	5'-10"		
	0.065	7'-9"	7'-2"	6'-9"	6'-5"	6'-1"	5'-11"	5'-8"	5'-6"	5'-4"		
	0.109	7'-1"	6'-7"	6'-3"	5'-11"	5'-8"	5'-5"	5'-3"	5'-1"	4'-11"		
	0.083	7'-7"	7'-0"	6'-7"	6'-3"	6'-0"	5'-9"	5'-7"	5'-5"	5'-3"		
	0.065	7'-0"	6'-6"	6'-1"	5'-10"	5'-7"	5'-4"	5'-2"	5'-0"	4'-10"		
	0.109	9'-0"	8'-4"	7'-10"	7'-5"	7'-1"	6'-10"	6'-7"	6'-5"	6'-3"		
	0.083	8'-3"	7'-8"	7'-3"	6'-10"	6'-7"	6'-4"	6'-1"	5'-11"	5'-9"		
	0.109	10'-0"	9'-4"	8'-9"	8'-4"	7'-11"	7'-8"	7'-5"	7'-2"	6'-11"		
	0.083	9'-3"	8'-7"	8'-1"	7'-8"	7'-4"	7'-1"	6'-10"	6'-7"	6'-5"		
	0.109	10'-8"	9'-11"	9'-4"	8'-10"	8'-6"	8'-2"	7'-10"	7'-7"	7'-5"		
	0.083	9'-10"	9'-2"	8'-7"	8'-2"	7'-10"	7'-6"	7'-3"	7'-0"	6'-9"		
	0.109	12'-4"	11'-5"	10'-9"	10'-3"	9'-9"	9'-5"	9'-1"	8'-9"	8'-6"		
	0.083	11'-4"	10'-6"	9'-11"	9'-5"	9'-0"	8'-8"	8'-4"	8'-1"	7'-10"		
	0.109	13'-7"	12'-8"	11'-11"	11'-3"	10'-10"	10'-5"	10'-0"	9'-9"	9'-5"		
	0.083	12'-6"	11'-7"	10'-11"	10'-5"	9'-11"	9'-7"	9'-3"	8'-11"	8'-8"		

The results provided herein were generated using recognized engineering principles and are for general information only. While believed to be accurate this information should not be used or relied upon for any specific application without competent professional examination and verification of its accuracy, suitability or applicability by a licensed professional engineer.

