

MAXIMUM BEAM SPAN - RESIDENTIAL DECKS (100 PSF LIVE LOAD / 10 PSF DEAD LOAD)												
Beam Size	Nominal Wall Thickness (in.)	Tributary Load Width										
		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	5'-4"	5'-0"	4'-8"	4'-5"	4'-3"	4'-1"	3'-11"	3'-10"	3'-8"		
	0.065	5'-0"	4'-7"	4'-4"	4'-2"	3'-11"	3'-9"	3'-7"	3'-5"	3'-3"		
2 - 1.5" x 3.5"	0.109	4'-7"	4'-3"	4'-0"	3'-10"	3'-7"	3'-5"	3'-3"	3'-1"	2'-11"		
	0.083	6'-4"	5'-10"	5'-6"	5'-3"	5'-0"	4'-10"	4'-8"	4'-6"	4'-5"		
	0.065	5'-10"	5'-5"	5'-1"	4'-10"	4'-8"	4'-5"	4'-4"	4'-2"	4'-1"		
3 - 1.5" x 3.5"	0.109	5'-5"	5'-0"	4'-9"	4'-6"	4'-3"	4'-1"	4'-0"	3'-10"	3'-8"		
	0.083	7'-1"	6'-6"	6'-2"	5'-10"	5'-7"	5'-5"	5'-2"	5'-0"	4'-11"		
	0.065	6'-6"	6'-0"	5'-8"	5'-5"	5'-2"	5'-0"	4'-9"	4'-8"	4'-6"		
2" x 4"	0.109	6'-0"	5'-7"	5'-3"	5'-0"	4'-9"	4'-7"	4'-5"	4'-3"	4'-2"		
	0.083	6'-5"	5'-11"	5'-7"	5'-4"	5'-1"	4'-10"	4'-8"	4'-7"	4'-5"		
	0.065	5'-11"	5'-6"	5'-2"	4'-11"	4'-8"	4'-6"	4'-4"	4'-2"	4'-0"		
2 - 2" x 4"	0.109	7'-7"	7'-0"	6'-7"	6'-3"	6'-0"	5'-9"	5'-7"	5'-5"	5'-3"		
	0.083	7'-0"	6'-6"	6'-1"	5'-9"	5'-6"	5'-4"	5'-2"	5'-0"	4'-10"		
	0.065	8'-5"	7'-10"	7'-5"	7'-0"	6'-8"	6'-5"	6'-3"	6'-0"	5'-10"		
3 - 2" x 4"	0.109	7'-9"	7'-3"	6'-10"	6'-6"	6'-2"	5'-11"	5'-9"	5'-7"	5'-5"		
	0.083	9'-0"	8'-4"	7'-10"	7'-6"	7'-2"	6'-10"	6'-8"	6'-4"	6'-1"		
	0.065	8'-4"	7'-8"	7'-3"	6'-11"	6'-7"	6'-3"	5'-11"	5'-8"	5'-5"		
2" x 6"	0.109	10'-5"	9'-8"	9'-1"	8'-7"	8'-3"	7'-11"	7'-8"	7'-5"	7'-2"		
	0.083	9'-7"	8'-11"	8'-4"	7'-11"	7'-7"	7'-4"	7'-1"	6'-10"	6'-8"		
	0.065	11'-6"	10'-8"	10'-0"	9'-6"	9'-1"	8'-9"	8'-5"	8'-2"	7'-11"		
2 - 2" x 6"	0.109	10'-7"	9'-10"	9'-3"	8'-9"	8'-5"	8'-1"	7'-9"	7'-6"	7'-4"		
	0.083	10'-7"	9'-10"	9'-3"	8'-9"	8'-5"	8'-1"	7'-9"	7'-6"	7'-4"		

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.