

Chapter 1 - Screen Enclosures
(May 2009 Errata)

Allowable Spans for Flat (Horizontal) Beams

Table 101(c)8

Wall Height: 8 ft Roof Design Pressure: 4 psf
Wind Zone 120 mph Exposure B Wall Design Pressure: 15 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"
2 X 8 X 0.072 X 0.224 SMB	37'-11"	36'-9"	35'-9"	34'-9"	33'-11"	33'-2"	32'-5"
2 X 9 X 0.082 X 0.306 SMB	44'-8"	43'-3"	42'-0"	40'-11"	39'-11"	39'-0"	38'-2"
2 X 10 X 0.092 X 0.374 SMB	52'-2"	50'-6"	49'-1"	47'-9"	46'-7"	45'-6"	44'-7"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0")

Allowable Spans for Flat (Horizontal) Beams

Table 101(c)11

Wall Height: 11 ft Roof Design Pressure: 4 psf
Wind Zone 120 mph Exposure B Wall Design Pressure: 15 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"
2 X 8 X 0.072 X 0.224 SMB	37'-11"	36'-9"	35'-9"	34'-9"	33'-11"	33'-2"	32'-5"
2 X 9 X 0.082 X 0.306 SMB	44'-8"	43'-3"	42'-0"	40'-11"	39'-11"	39'-0"	38'-2"
2 X 10 X 0.092 X 0.374 SMB	52'-2"	50'-6"	49'-1"	47'-9"	46'-7"	45'-6"	44'-7"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0")

Allowable Spans for Flat (Horizontal) Beams

Table 101(c)14

Wall Height: 14 ft Roof Design Pressure: 4 psf
Wind Zone 120 mph Exposure B Wall Design Pressure: 15 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	20'-3"
2 X 8 X 0.072 X 0.224 SMB	37'-11"	36'-9"	35'-9"	34'-9"	33'-11"	33'-2"	32'-5"
2 X 9 X 0.082 X 0.306 SMB	44'-8"	43'-3"	42'-0"	40'-11"	39'-11"	39'-0"	38'-2"
2 X 10 X 0.092 X 0.374 SMB	52'-2"	50'-6"	49'-1"	47'-9"	46'-7"	45'-6"	44'-7"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0")

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Allowable Spans for Flat (Horizontal) Beams

Table 101(d)8

Wall Height: 8 ft Roof Design Pressure: 5 psf
Wind Zone 130 mph Exposure B Wall Design Pressure: 18 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-4"	20'-4"	19'-11"	19'-2"
2 X 8 X 0.072 X 0.224 SMB	35'-3"	34'-2"	33'-2"	32'-3"	31'-6"	30'-9"	30'-1"
2 X 9 X 0.082 X 0.306 SMB	41'-6"	40'-2"	39'-0"	37'-11"	37'-1"	36'-3"	35'-5"
2 X 10 X 0.092 X 0.374 SMB	48'-5"	46'-11"	45'-6"	44'-4"	43'-3"	42'-3"	41'-5"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0"

Allowable Spans for Flat (Horizontal) Beams

Table 101(d)11

Wall Height: 11 ft Roof Design Pressure: 5 psf
Wind Zone 130 mph Exposure B Wall Design Pressure: 18 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-4"	19'-11"	19'-1"	18'-4"
2 X 8 X 0.072 X 0.224 SMB	35'-3"	34'-2"	33'-2"	32'-3"	31'-6"	30'-9"	30'-1"
2 X 9 X 0.082 X 0.306 SMB	41'-6"	40'-2"	39'-0"	37'-11"	37'-1"	36'-3"	35'-5"
2 X 10 X 0.092 X 0.374 SMB	48'-5"	46'-11"	45'-6"	44'-4"	43'-3"	42'-3"	41'-5"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0"

Allowable Spans for Flat (Horizontal) Beams

Table 101(d)14

Wall Height: 14 ft Roof Design Pressure: 5 psf
Wind Zone 130 mph Exposure B Wall Design Pressure: 18 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-2"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	20'-2"	19'-2"	18'-3"	17'-5"
2 X 8 X 0.072 X 0.224 SMB	35'-3"	34'-2"	33'-2"	32'-3"	31'-6"	30'-9"	30'-1"
2 X 9 X 0.082 X 0.306 SMB	41'-6"	40'-2"	39'-0"	37'-11"	37'-1"	36'-3"	35'-5"
2 X 10 X 0.092 X 0.374 SMB	48'-5"	46'-11"	45'-6"	44'-4"	43'-3"	42'-3"	41'-5"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0"

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Allowable Spans for Flat (Horizontal) Beams

Table 101(e)8

Wall Height: 8 ft Roof Design Pressure: 6 psf
Wind Zone 140 mph Exposure B Wall Design Pressure: 21 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-10"	15'-8"	15'-0"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	20'-4"	19'-6"	18'-8"	17'-10"	17'-2"
2 X 8 X 0.072 X 0.224 SMB	33'-2"	32'-1"	31'-2"	30'-5"	29'-8"	28'-11"	28'-4"
2 X 9 X 0.082 X 0.306 SMB	39'-0"	37'-10"	36'-9"	35'-9"	34'-11"	34'-1"	33'-4"
2 X 10 X 0.092 X 0.374 SMB	45'-6"	44'-1"	42'-10"	41'-9"	40'-9"	39'-9"	38'-11"

Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0")

Allowable Spans for Flat (Horizontal) Beams

Table 101(e)11

Wall Height: 11 ft Roof Design Pressure: 6 psf
Wind Zone 140 mph Exposure B Wall Design Pressure: 21 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-10"	15'-7"	14'-10"	14'-2"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-4"	19'-9"	18'-9"	17'-10"	16'-11"	16'-3"
2 X 8 X 0.072 X 0.224 SMB	33'-2"	32'-1"	31'-2"	30'-5"	29'-8"	28'-11"	28'-4"
2 X 9 X 0.082 X 0.306 SMB	39'-0"	37'-10"	36'-9"	35'-9"	34'-11"	34'-1"	33'-4"
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Table Span Note: where tabular span exceeds 40' - 0", use 40' - 0")

Allowable Spans for Flat (Horizontal) Beams

Table 101(e)14

Wall Height: 14 ft Roof Design Pressure: 6 psf
Wind Zone 140 mph Exposure B Wall Design Pressure: 21 psf

Self-Mating (or Lap) Beams	Beam Spacing in Feet						
	5' 0"	5' 6"	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
2 X 4 X 0.046 X 0.100 SMB	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"	7'-11"
2 X 5 X 0.050 X 0.116 SMB	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-8"	12'-4"
2 X 6 X 0.050 X 0.120 SMB	15'-10"	15'-10"	15'-10"	15'-7"	14'-9"	13'-11"	13'-3"
2 X 7 X 0.055 X 0.120 SMB	20'-4"	20'-1"	18'-11"	17'-11"	16'-11"	16'-1"	15'-3"
2 X 8 X 0.072 X 0.224 SMB	33'-2"	32'-1"	31'-2"	30'-5"	29'-8"	28'-11"	28'-4"
2 X 9 X 0.082 X 0.306 SMB	39'-0"	37'-10"	36'-9"	35'-9"	34'-11"	34'-1"	33'-4"
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