

ALLOWABLE SPANS for Mansard Beams In Screen Roofs								Table 101c	
Wind Zone =		120	MPH	Applied Wall Load =		14	PSF	Exposure B	
Maximum Wall Height =		8	ft	Applied Roof Load =		10	PSF		
BEAM	Load Widths or Spacing								
	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2 X 4 X 0.045 X 0.100 SMB	11'-1"	10'-3"	9'-7"	9'-0"	8'-6"	8'-1"	7'-8"	7'-4"	7'-0"
2 X 5 X 0.050 X 0.116 SMB	14'-0"	13'-0"	12'-2"	11'-5"	10'-10"	10'-3"	9'-10"	9'-5"	9'-0"
2 X 6 X 0.050 X 0.120 SMB	15'-1"	14'-1"	13'-2"	12'-5"	11'-9"	11'-2"	10'-8"	10'-2"	9'-9"
2 X 7 X 0.055 X 0.120 SMB	16'-6"	15'-4"	14'-5"	13'-7"	12'-11"	12'-3"	11'-8"	11'-2"	10'-9"
2 X 8 X 0.072 X 0.224 SMB	26'-2"	24'-3"	22'-7"	21'-2"	19'-11"	18'-9"	17'-9"	17'-1"	16'-5"
2 X 9 X 0.072 X 0.224 SMB	26'-9"	24'-10"	23'-2"	21'-9"	20'-5"	19'-3"	18'-3"	17'-5"	16'-9"
2 X 9 X 0.082 X 0.306 SMB	33'-1"	30'-10"	29'-0"	27'-4"	25'-11"	24'-7"	23'-5"	22'-4"	21'-5"
2 X 10 X 0.092 X 0.389 SMB	41'-1"	38'-6"	36'-3"	34'-4"	32'-8"	31'-2"	29'-10"	28'-7"	27'-6"

Maximum Horizontal Offset of Mansard Splice 1/3 Allowable Span or 6', whichever is less.

Maximum Slope of Mansard Leg = 30 degrees

ALLOWABLE SPANS for Mansard Beams In Screen Roofs								Table 101c	
Wind Zone =		120	MPH	Applied Wall Load =		14	PSF	Exposure B	
Maximum Wall Height =		16	ft	Applied Roof Load =		10	PSF		
BEAM	Load Widths or Spacing								
	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
2 X 4 X 0.045 X 0.100 SMB	8'-7"	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	5'-0"
2 X 5 X 0.050 X 0.116 SMB	11'-3"	10'-4"	9'-7"	8'-11"	8'-4"	7'-10"	7'-5"	7'-1"	6'-8"
2 X 6 X 0.050 X 0.120 SMB	12'-4"	11'-4"	10'-6"	9'-10"	9'-2"	8'-8"	8'-2"	7'-9"	7'-5"
2 X 7 X 0.055 X 0.120 SMB	13'-7"	12'-7"	11'-8"	10'-11"	10'-3"	9'-8"	9'-2"	8'-8"	8'-3"
2 X 8 X 0.072 X 0.224 SMB	23'-0"	20'-9"	18'-10"	17'-5"	16'-5"	15'-7"	14'-10"	14'-2"	13'-6"
2 X 9 X 0.072 X 0.224 SMB	23'-8"	21'-6"	19'-6"	17'-10"	16'-10"	16'-0"	15'-2"	14'-6"	13'-11"
2 X 9 X 0.082 X 0.306 SMB	30'-8"	28'-3"	26'-2"	24'-4"	22'-8"	21'-2"	19'-10"	18'-7"	17'-7"
2 X 10 X 0.092 X 0.389 SMB	39'-2"	36'-5"	34'-1"	32'-0"	30'-2"	28'-6"	27'-1"	25'-9"	24'-6"

Aluminum Association of Florida, Inc. ~ Technical Committee
AAF Guide to Aluminum Construction in High Wind Areas

ERRATA: Page 1-54

July 18, 2005 - For 120 MPH Exposure B, Table 101c Wall Height = 16 ft.
The spans indicated for spacings 7' 0" and 8' 0" were incorrect.

The table above has been updated.

Please also note, for wall heights between 8 ft and 16 ft, the tables may be interpolated.

David Miller, Chairman
Technical Committee, AAF