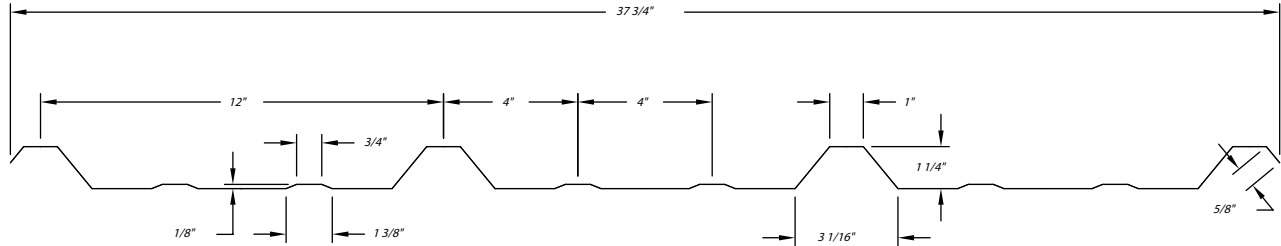




Grand Rib III | Profile #509

Drawing | Profile #162



Load Span Information | Profile #162

509 GP | 5oz. General Purpose

For Physical Properties refer to Form 7062

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)											
Panel Description: Grand Rib III		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi											
General Purpose																			
5 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 509GP		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		2'-7"	2'-7"	2'-11"	2'-2"	2'-2"	2'-5"	1'-10"	1'-10"	2'-1"	1'-8"	1'-8"	1'-10"	1'-6"	1'-6"	1'-8"			
Deflection Limit		2'-4"	3'-2"	2'-11"	2'-1"	2'-9"	2'-7"	1'-11"	2'-6"	2'-4"	1'-9"	2'-4"	2'-2"	1'-8"	2'-2"	2'-0"			

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: Grand Rib III		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi											
General Purpose																			
5 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 509GP		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		3'-0"	3'-0"	3'-4"	2'-5"	2'-5"	2'-9"	2'-1"	2'-1"	2'-4"	1'-11"	1'-11"	2'-1"	1'-9"	1'-9"	2'-11"			
Deflection Limit		3'-1"	4'-2"	3'-10"	2'-9"	3'-8"	3'-4"	2'-6"	3'-4"	3'-1"	2'-3"	3'-1"	2'-10"	2'-2"	2'-11"	2'-8"			

This information is provided as preliminary data for designers. It should be checked and verified and its use determined by a duly licensed engineer or architect. NOTE: Spans will vary with resin formulation, glass content, and thickness. For data on other profiles, formulations, or conditions contact the technical department. DISCLAIMER: These load span tables do not reflect any span reduction that may be associated with various fastening options.