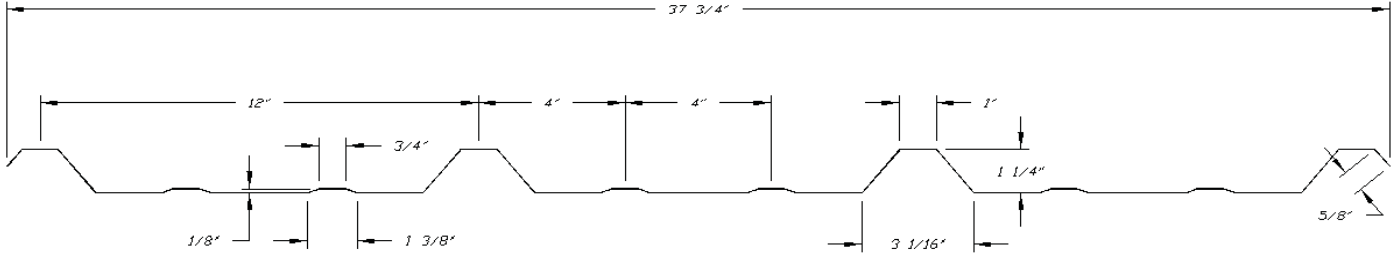


ENGINEERED SOLUTIONS

PROFILE #162 R-Panel



162GP | 6oz. General Purpose

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: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose																
6 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162GP		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		4'-6"	4'-6"	5'-0"	3'-8"	3'-8"	4'-1"	3'-2"	3'-2"	3'-6"	2'-10"	2'-10"	3'-2"	2'-7"	2'-7"	2'-11"
Deflection Limit		3'-11"	5'-3"	4'-10"	3'-5"	4'-7"	4'-3"	3'-1"	4'-2"	3'-10"	2'-11"	3'-11"	3'-7"	2'-9"	3'-8"	3'-4"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose																
6 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162GP		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		5'-2"	5'-2"	5'-9"	4'-2"	4'-2"	4'-8"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit		5'-2"	6'-11"	6'-4"	4'-6"	6'-0"	5'-7"	4'-1"	5'-6"	5'-1"	3'-10"	5'-1"	4'-8"	3'-7"	4'-9"	4'-5"

162GP | 8oz. General Purpose

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: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162GP		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		5'-2"	5'-2"	5'-9"	4'-2"	4'-2"	4'-8"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-8"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162GP		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		5'-11"	5'-11"	6'-8"	4'-10"	4'-10"	5'-5"	4'-2"	4'-2"	4'-8"	3'-9"	3'-9"	4'-2"	3'-5"	3'-5"	3'-10"
Deflection Limit		5'-8"	7'-7"	7'-0"	4'-11"	6'-8"	6'-1"	4'-6"	6'-0"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"





162GP | 12oz. General Purpose

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: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
General Purpose		20 psf			30 psf			40 psf			50 psf			60 psf		
12 oz./sq. ft.		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
Generic: 162GP		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		6'-3"	6'-3"	7'-0"	5'-1"	5'-1"	5'-8"	4'-5"	4'-5"	4'-11"	3'-11"	3'-11"	4'-5"	3'-7"	3'-7"	4'-0"
Deflection Limit		4'-11"	6'-8"	6'-1"	4'-4"	5'-10"	5'-4"	3'-11"	5'-3"	4'-10"	3'-8"	4'-11"	4'-6"	3'-5"	4'-7"	4'-3"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor									20 to 1 Deflection Limit Ratio (L/D)					
Panel Description: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
General Purpose		20 psf			30 psf			40 psf			50 psf			60 psf		
12 oz./sq. ft.		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
Generic: 162GP		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		7'-2"	7'-2"	8'-1"	5'-11"	5'-11"	6'-7"	4'-6"	5'-1"	5'-8"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"
Deflection Limit		6'-6"	8'-8"	8'-0"	5'-8"	7'-7"	7'-0"	5'-2"	6'-11"	6'-4"	4'-9"	6'-5"	5'-11"	4'-6"	6'-0"	5'-7"

162GPW | 8oz. General Purpose High Strength

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: R-Panel		Panel Strength = 25000 psi									Flexural Modulus = 1100000 psi					
General Purpose-High Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162GPW		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		6'-4"	6'-4"	7'-1"	5'-2"	5'-2"	5'-9"	4'-6"	5'-0"	5'-0"	4'-0"	4'-0"	4'-6"	3'-8"	3'-8"	4'-1"
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-8"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor									20 to 1 Deflection Limit Ratio (L/D)					
Panel Description: R-Panel		Panel Strength = 25000 psi									Flexural Modulus = 1100000 psi					
General Purpose-High Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162GPW		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		7'-4"	7'-4"	8'-2"	6'-0"	6'-0"	6'-8"	5'-2"	5'-2"	5'-9"	4'-7"	4'-7"	5'-2"	4'-3"	4'-3"	4'-9"
Deflection Limit		5'-8"	7'-7"	7'-0"	4'-11"	6'-8"	6'-1"	4'-6"	6'-0"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"

162DL | 8oz. Duralite

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: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
Duralite		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162DL		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		5'-2"	5'-2"	5'-9"	4'-3"	4'-3"	4'-9"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-9"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor									20 to 1 Deflection Limit Ratio (L/D)					
Panel Description: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
Duralite		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162DL		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		5'-11"	5'-11"	6'-8"	4'-10"	4'-10"	5'-5"	4'-3"	4'-3"	4'-9"	3'-9"	3'-9"	4'-3"	3'-5"	3'-5"	3'-10"
Deflection Limit		5'-8"	7'-7"	7'-0"	5'-0"	6'-8"	6'-2"	4'-6"	6'-1"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"

162DL | 12oz. Duralite

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: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
Duralite		20 psf			30 psf			40 psf			50 psf			60 psf		
12 oz./sq. ft.		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
Generic: 162DL		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		6'-3"	6'-3"	7'-0"	5'-2"	5'-2"	5'-9"	4'-5"	4'-5"	5'-0"	4'-0"	4'-0"	4'-5"	3'-8"	3'-8"	4'-1"
Deflection Limit		5'-0"	6'-8"	6'-2"	4'-4"	5'-10"	5'-4"	3'-11"	5'-3"	4'-10"	3'-8"	4'-11"	4'-6"	3'-5"	4'-7"	4'-3"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor									20 to 1 Deflection Limit Ratio (L/D)					
Panel Description: R-Panel		Panel Strength = 15000 psi									Flexural Modulus = 1000000 psi					
Duralite		20 psf			30 psf			40 psf			50 psf			60 psf		
12 oz./sq. ft.		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
Generic: 162DL		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		7'-3"	7'-3"	8'-1"	5'-11"	5'-11"	6'-7"	5'-1"	5'-1"	5'-9"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"
Deflection Limit		6'-6"	8'-9"	8'-0"	5'-8"	7'-7"	7'-0"	5'-2"	6'-11"	6'-5"	4'-10"	6'-5"	5'-11"	4'-6"	6'-1"	5'-7"



162DLW | 8oz. Duralite High Strength

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: R-Panel		Panel Strength = 25000 psi						Flexural Modulus = 11000000 psi								
Duralite-High Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162DLW		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		6'-4"	6'-4"	7'-1"	5'-2"	5'-2"	5'-10"	4'-6"	4'-6"	5'-0"	4'-0"	4'-0"	4'-6"	3'-8"	3'-8"	4'-1"
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-9"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 25000 psi						Flexural Modulus = 11000000 psi								
Duralite-High Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162DLW		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		7'-4"	7'-4"	8'-2"	6'-0"	6'-0"	6'-8"	5'-2"	5'-2"	5'-10"	4'-8"	4'-8"	5'-2"	4'-3"	4'-3"	4'-9"
Deflection Limit		5'-8"	7'-7"	7'-0"	5'-0"	6'-8"	6'-2"	4'-6"	6'-1"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"

162FR | 8oz. Fire Rated

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: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 10000000 psi								
Fire Rated (Class A)		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162FR		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		4'-11"	4'-11"	5'-6"	4'-0"	4'-0"	4'-6"	3'-6"	3'-6"	3'-11"	3'-1"	3'-1"	3'-6"	2'-10"	2'-10"	3'-2"
Deflection Limit		4'-2"	5'-7"	5'-2"	3'-8"	4'-11"	4'-6"	3'-4"	4'-6"	4'-1"	3'-1"	4'-2"	3'-10"	2'-11"	3'-11"	3'-7"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 10000000 psi								
Fire Rated (Class A)		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162FR		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		5'-8"	5'-8"	6'-4"	4'-7"	4'-7"	5'-2"	4'-0"	4'-0"	4'-6"	3'-7"	3'-7"	4'-0"	3'-3"	3'-3"	3'-8"
Deflection Limit		5'-6"	7'-4"	6'-9"	4'-10"	6'-5"	5'-11"	4'-4"	5'-10"	5'-5"	4'-1"	5'-5"	5'-0"	3'-10"	5'-1"	4'-8"

162IWF | 8oz. Iso-Tuff High Strength

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: R-Panel		Panel Strength = 30000 psi						Flexural Modulus = 10000000 psi								
IsoTuff High-Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162IWF		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		6'-9"	6'-9"	7'-7"	5'-6"	5'-6"	6'-2"	4'-9"	4'-9"	5'-4"	4'-3"	4'-3"	4'-9"	3'-11"	3'-11"	4'-4"
Deflection Limit		4'-1"	5'-6"	5'-1"	3'-7"	4'-10"	4'-5"	3'-3"	4'-5"	4'-0"	3'-0"	4'-1"	3'-9"	2'-10"	3'-10"	3'-6"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 30000 psi						Flexural Modulus = 10000000 psi								
IsoTuff High-Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
8 oz./sq. ft.		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
Generic: 162IWF		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		7'-10"	7'-10"	8'-9"	6'-5"	6'-5"	7'-2"	5'-6"	5'-6"	6'-2"	4'-11"	4'-11"	5'-6"	4'-6"	4'-6"	5'-0"
Deflection Limit		5'-5"	7'-3"	6'-8"	4'-9"	6'-4"	5'-10"	4'-3"	5'-9"	5'-4"	4'-0"	5'-4"	4'-11"	3'-9"	5'-0"	4'-7"





162ST | 8oz. SunStrong

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: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong Profiled		20 psf		30 psf			40 psf			50 psf			60 psf			
12.0 oz./sq. ft.		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
Generic: 162ST																
Stress Limit		8'-3"	8'-3"	9'-2"	6'-9"	6'-9"	7'-6"	5'-10"	5'-10"	6'-6"	5'-2"	5'-2"	5'-10"	4'-9"	4'-9"	5'-4"
Deflection Limit		4'-10"	6'-6"	6'-0"	4'-3"	5'-8"	5'-3"	3'-10"	5'-2"	4'-9"	3'-7"	4'-9"	4'-5"	3'-4"	4'-6"	4'-2"

Generic: 162ST

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong Profiled		20 psf		30 psf			40 psf			50 psf			60 psf			
12.0 oz./sq. ft.		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
Generic: 162ST																
Stress Limit		9'-6"	9'-6"	10'-7"	7'-9"	7'-9"	8'-8"	6'-9"	6'-9"	7'-6"	6'-0"	6'-0"	6'-9"	5'-6"	5'-6"	6'-2"
Deflection Limit		6'-4"	8'-6"	7'-10"	5'-7"	7'-5"	6'-10"	5'-0"	6'-9"	6'-3"	4'-8"	6'-3"	5'-9"	4'-5"	5'-11"	5'-5"

162STW | 8oz. SunStrong High Strength

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: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong - Profiled High Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
8.0 oz./sq. ft.		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
Generic: 162STW																
Stress Limit		6'-6"	6'-6"	7'-4"	5'-4"	5'-4"	5'-11"	4'-7"	4'-7"	5'-2"	4'-1"	4'-1"	4'-7"	3'-9"	3'-9"	4'-3"
Deflection Limit		4'-2"	5'-6"	5'-1"	3'-7"	4'-10"	4'-5"	3'-3"	4'-5"	4'-1"	3'-0"	4'-1"	3'-9"	2'-10"	3'-10"	3'-6"

Generic: 162STW

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong - Profiled High Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
8.0 oz./sq. ft.		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
Generic: 162STW																
Stress Limit		7'-6"	7'-6"	8'-5"	6'-2"	6'-2"	6'-10"	5'-4"	5'-4"	5'-11"	4'-9"	4'-9"	5'-4"	4'-4"	4'-4"	4'-10"
Deflection Limit		5'-5"	7'-3"	6'-8"	4'-9"	6'-4"	5'-10"	4'-3"	5'-9"	5'-4"	4'-0"	5'-4"	4'-11"	3'-9"	5'-0"	4'-8"

162STW | 12oz. SunStrong High Strength

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: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong - Profiled High Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
12.0 oz./sq. ft.		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
Generic: 162STW																
Stress Limit		7'-11"	7'-11"	8'-10"	6'-6"	6'-6"	7'-3"	5'-7"	5'-7"	6'-3"	5'-0"	5'-0"	5'-7"	4'-7"	4'-7"	5'-1"
Deflection Limit		4'-9"	6'-4"	5'-10"	4'-2"	5'-6"	5'-1"	3'-9"	5'-0"	4'-8"	3'-6"	4'-8"	4'-4"	3'-3"	4'-5"	4'-1"

Generic: 162STW

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 25,000 psi						Flexural Modulus = 900,000 psi								
SunStrong - Profiled High Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
12.0 oz./sq. ft.		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
Generic: 162STW																
Stress Limit		9'-2"	9'-2"	10'-3"	7'-6"	7'-6"	8'-4"	6'-6"	6'-6"	7'-3"	5'-9"	5'-9"	6'-6"	5'-3"	5'-3"	5'-11"
Deflection Limit		6'-2"	8'-4"	7'-8"	5'-5"	7'-3"	6'-8"	4'-11"	6'-7"	6'-1"	4'-7"	6'-1"	5'-8"	4'-3"	5'-9"	5'-4"