

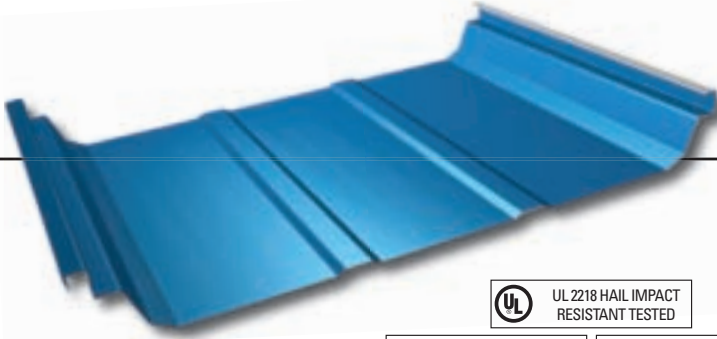


- *Over 10 Energy Star Rated Colors*
- *40-Yr. warranty available on SMP paint systems and 35-Yr. for KYNAR paint systems*
- *Cool Metal Roofing Credit Opportunities Under USGBC LEED-NC v2.2*
- *All Whirlwind material contains a minimum 32% up to 59% total recycled content*
- *Whirlwind Standing Seam Systems carry a UL580 listing of Class 90, UL2218 Class 4 Hail Impact rating and a Class A Fire resistance rating*
- *Visit our website for more information:
www.whirlwindsteel.com/sweets*

BUILDING COMPONENTS
Stop Searching. Start Building.



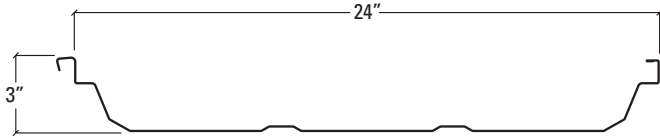
SUPER SEAM PLUS



UL 2218 HAIL IMPACT
RESISTANT TESTED

UL580 UP-LIFT TESTED
CLASS 90 RATED

UL CONSTRUCTION
NO. 287



SUPER SEAM-PLUS DESIGN PROPERTIES								
PANEL GAUGE	F _y (KSI)	Weight (PSF)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
			I _{xe} (In. ⁴ -Ft.)	S _{xe} (In. ³ /Ft.)	M _{axo} (Kip-In.)	I _{xe} (In. ⁴ -Ft.)	S _{xe} (In. ³ /Ft.)	M _{axo} (Kip-In.)
24	50	1.23	0.1634	0.1162	3.0278	0.3083	0.1286	3.8498
22	50	1.56	0.2224	0.1643	3.9854	0.4020	0.1681	5.0342

NOTES:

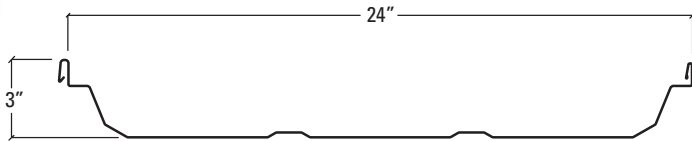
1. All calculations for the properties of Super Seam-Plus panels are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. I_{xe} is for deflection determination.
3. S_{xe} is for Bending.
4. M_{axo} is allowable bending moment.
5. All values are for the one foot of panel width.



UL 2218 HAIL IMPACT
RESISTANT TESTED

UL580 UP-LIFT TESTED
CLASS 90 RATED

UL CONSTRUCTION
NO. 205



SUPER SEAM II



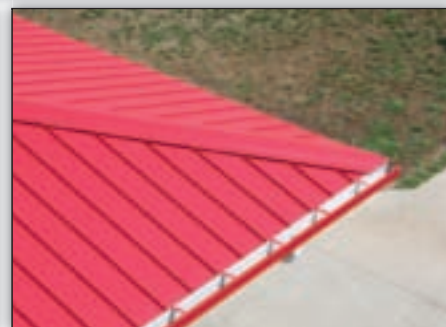
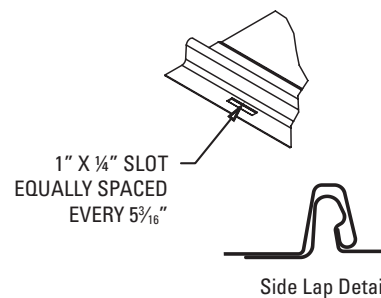
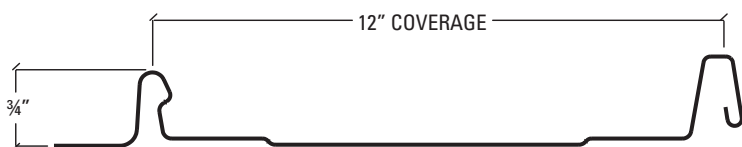
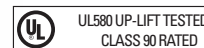
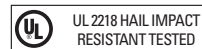
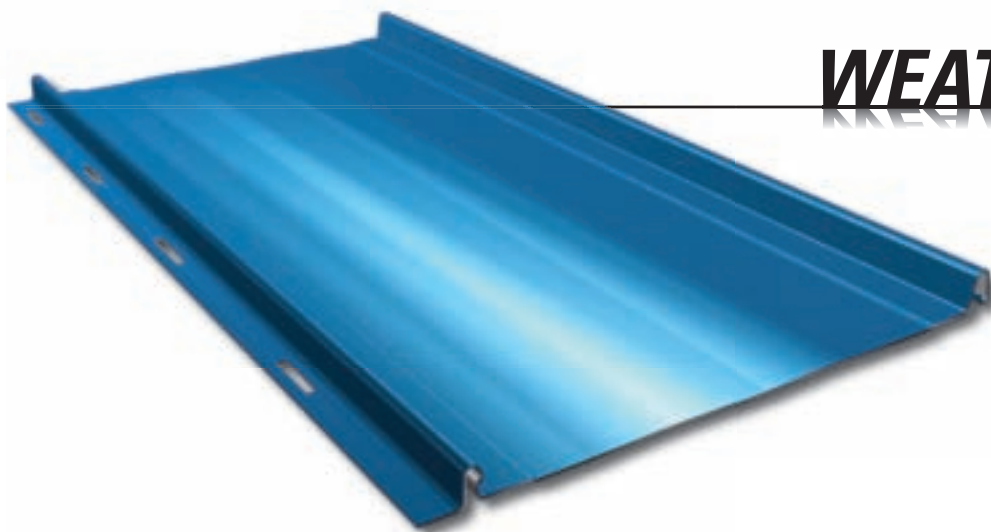
SUPER SEAM-II DESIGN PROPERTIES								
PANEL GAUGE	F _y (KSI)	Weight (PSF)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
			I _{xe} (In. ⁴ -Ft.)	S _{xe} (In. ³ /Ft.)	M _{axo} (Kip-In.)	I _{xe} (In. ⁴ -Ft.)	S _{xe} (In. ³ /Ft.)	M _{axo} (Kip-In.)
26	50	1.02	0.1721	0.0676	2.0246	0.0714	0.0395	1.1839
24	50	1.23	0.2145	0.0851	2.5472	0.0965	0.0550	1.6458
22	50	1.56	0.2734	0.1085	3.2487	0.1342	0.0746	2.2335

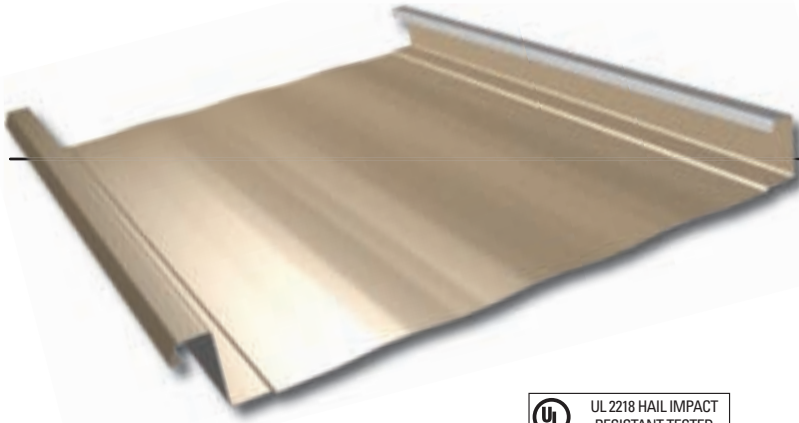
NOTES:

1. All calculations for the properties of Super Seam-II panels are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. I_{xe} is for deflection determination.
3. S_{xe} is for Bending.
4. M_{axo} is allowable bending moment.
5. All values are for the one foot of panel width.




WEATHER GUARD



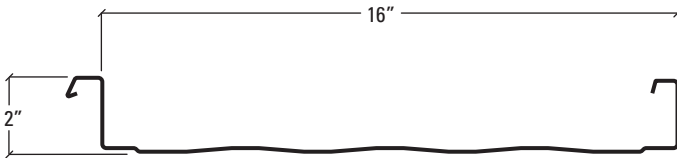


WEATHER LOK-16

 UL 2218 HAIL IMPACT RESISTANT TESTED

 UL580 UP-LIFT TESTED CLASS 90 RATED

 UL CONSTRUCTION NO. 506



WEATHER LOK 16 SECTION PROPERTIES

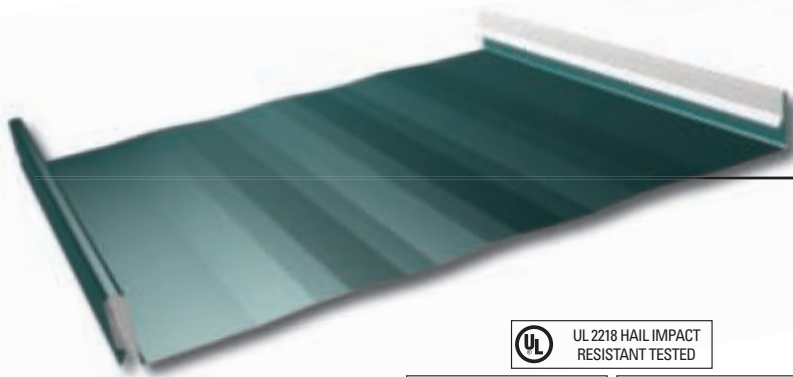
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			Ix (In ⁴ /Ft)	Ma (Kip-In/Ft)	Ix (In ⁴ /Ft)	Ma (Kip-In/Ft)
24	50	1.23	0.1478	2.7134	0.1553	2.8852
22	50	1.56	0.1950	3.6264	0.1950	3.6264


NOTES:


1. All section properties are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ix is for deflection determination.
3. Mx is allowable bending moment.



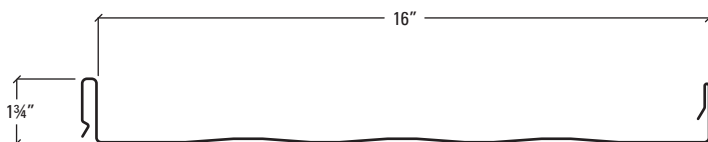
WEATHER SNAP-16



 UL 2218 HAIL IMPACT
RESISTANT TESTED

 UL580 UP-LIFT TESTED
CLASS 90 RATED

 UL CONSTRUCTION
NO. 254



WEATHER SNAP 16 SECTION PROPERTIES

PANEL GAUGE	F _y (KSI)	WEIGHT (PSF)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In ⁴ /Ft)	M _a (Kip-In/Ft)	I _x (In ⁴ /Ft)	M _a (Kip-In/Ft)
24	50	1.26	0.0803	1.6467	0.0855	1.7817

NOTES:

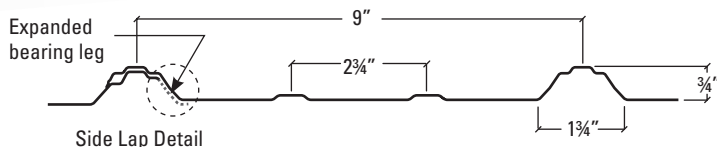
1. All section properties are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. I_x is for deflection determination.
3. M_x is allowable bending moment.



 UL 2218 HAIL IMPACT
RESISTANT TESTED

 UL580 UP-LIFT TESTED
CLASS 90 RATED (29GA MIN.)

 UL CONSTRUCTION
NO. 560



STURDI-RIB

STURDI-RIB DESIGN PROPERTIES

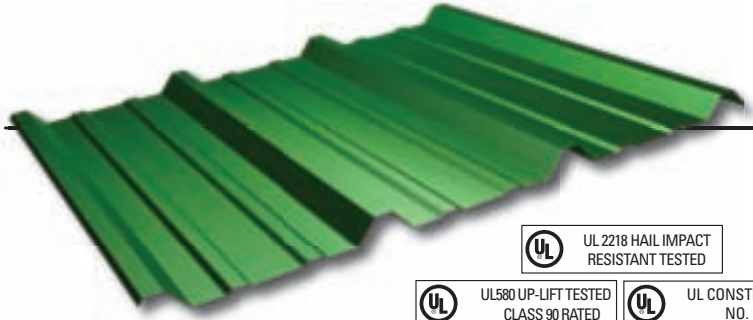
PANEL GAUGE	F _y (KSI)	WEIGHT (PSF)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In ⁴ -Ft)	M _a (In-Kip)	I _x (In ⁴ -Ft)	M _a (In-Kip)
29	80*	0.64	0.0093	0.5817	0.0050	0.4767
26	80*	0.79	0.0113	0.7037	0.0063	0.5860
26	50	0.79	0.0120	0.6143	0.0070	0.5183

* F_y is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

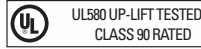
NOTES:

1. All section properties are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. I_x is for deflection determination.
3. M_x is allowable bending moment.

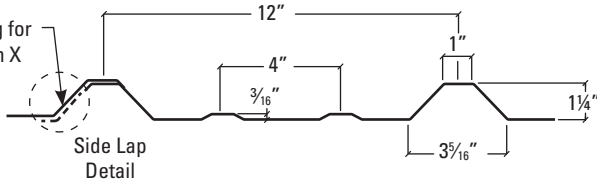




SUPER SPAN X



Bearing leg for Super Span X



Side Lap Detail

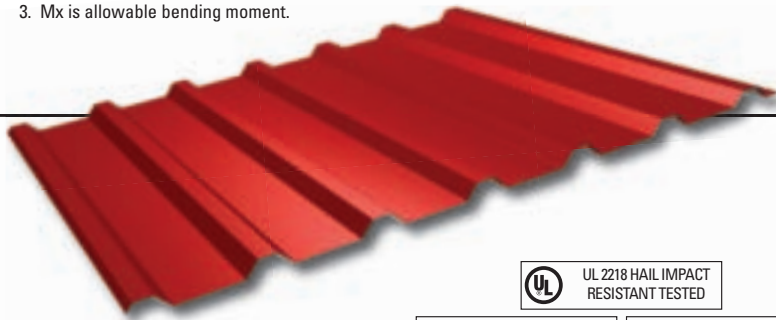


SUPER SPAN-X DESIGN PROPERTIES						
GAUGE/ THICKNESS	F _y (KSI)	F _b (KSI)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In ⁴ -Ft)	M _a (Kip-In/Ft)	I _x (In ⁴ -Ft)	M _a (Kip-In/Ft)
26 (t=.0170")	80*	0.83	0.0370	1.2697	0.0323	1.6610
26 (t=.0176")	80*	0.86	0.0380	1.4057	0.0337	1.7230
24	50	1.09	0.0570	1.7500	0.0467	1.8633

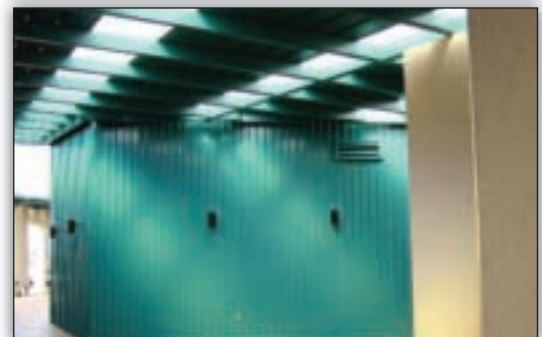
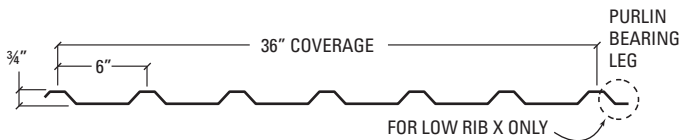
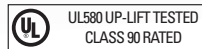
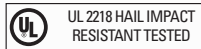
* F_y is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the *North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2*.

NOTES:

1. All section properties are calculated in accordance with the 2001 edition of the *North American Specification For Design Of Cold-Formed Steel Structural Members*.
2. I_x is for deflection determination.
3. M_x is allowable bending moment.



LOW RIB X



LOW RIB DESIGN PROPERTIES						
PANEL GAUGE	F _y (KSI)	F _b (KSI)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In ⁴ -Ft)	M _a (Kip-In/Ft)	I _x (In ⁴ -Ft)	M _a (Kip-In/Ft)
26	80*	0.83	0.0187	1.2567	0.0127	1.1100
24	50	1.08	0.0273	1.5553	0.0187	1.4417

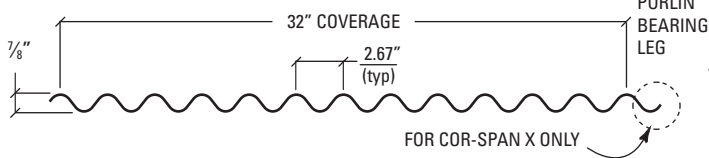
* F_y is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the *North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2*.

NOTES:

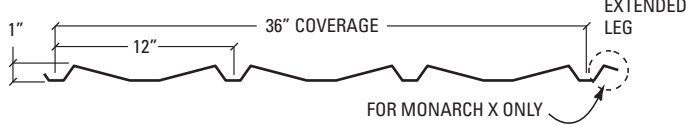
1. All section properties are calculated in accordance with the 2001 edition of the *North American Specification For Design Of Cold-Formed Steel Structural Members*.
2. I_x is for deflection determination.
3. M_x is allowable bending moment.

ADDITIONAL WHIRLWIND PANELS

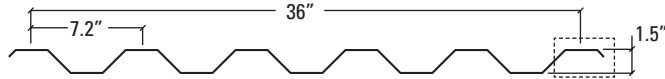
COR SPAN X



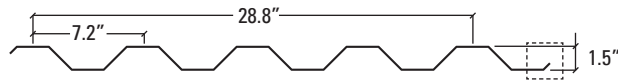
MONARCH X



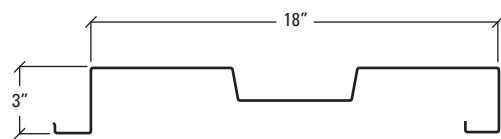
7.2 RIB



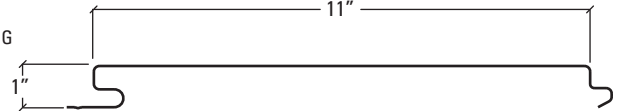
7.2N RIB



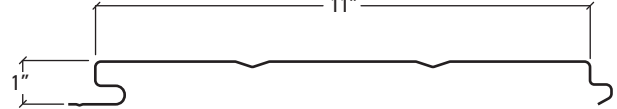
SHADOW WALL 18



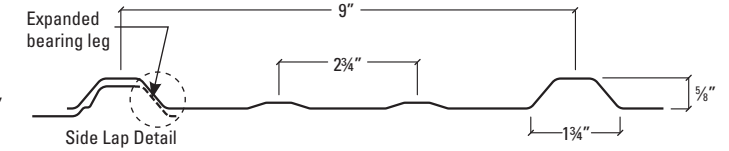
ACCENT-11



ACCENT-11R



STURDI-SPAN



STURDI-PANEL*



STURDI-DRAIN*



*REGIONAL PANELS



Whirlwind Building Components

Whirlwind has been manufacturing metal building components since 1963. Founded in Houston, Texas in 1955, Whirlwind has grown from a small power fan and louver company to a major manufacturer of pre-engineered metal buildings and metal building components with additional plants in Lithia Springs, Georgia; Claremore, Oklahoma; Lathrop, California and Freeport, Minnesota.



Whirlwind's commitment is to provide our customers with the highest quality building components at the lowest possible prices with exceptional customer service. With over 500,000 square feet of manufacturing facilities in several locations across America, and with

some of the most modern equipment in the industry, we are able to provide our customers with the capability, service, experience and competitive pricing to get the job done right.

Whirlwind manufactures metal building components for commercial, industrial, agricultural, residential, standing seam, architectural, aircraft hangar and self-storage markets.

Extensive Testing:

All of Whirlwind's Standing Seam Systems carry a UL580 listing of Class 90, UL2218 Class 4 Hail Impact rating and a Class A Fire resistance rating. All of the systems have been tested in accordance with ASTM E-1592 and several of the Structural Systems have Florida Product approval, Miami-Dade County Product approval and FM 4411 approval.

Warranties:

Whirlwind offers several types of paint warranties depending on the type and color of the panel you need. Our Commercial/Industrial panels come with 20, 40, or 35 year warranties. Our Standing Seam/Architectural panels come with a 35 year KYNAR warranty. Our Agricultural/Residential panels come with a 40 year SMP warranty on all the colors. All prime roof and wall panels sold by Whirlwind Building Components offer a warranty available upon request.



Other Products:

Whirlwind also offers a complete line of Structural Cee's and Zee's ranging from 16 gauge to 12 gauge in depths from 3½" to 14". These products are available in standard red oxide primer or G-90 galvanized steel.

Project Services:

Whirlwind's Project Services department specializes in projects such as standing seam roof systems, retrofit framing, or any situation beyond the normal "components order". Some of the services offered are:

- Design calculations.
- Erection drawings (with engineer's stamp if required).
- The necessary expertise to ensure that your project has the correct parts and pieces to create a complete system for your particular project.
- Assistance with any construction problems that may arise.
- Complete material take-off to ensure all of the materials are provided to complete your project.

Project Services can handle projects as small as a residential roof system to a complete retrofit project on a school or government building. Call us for all of your project needs.

Services:

Once you have acquired our Whirlwind products, our customer support team and product services departments are here to assist you with any technical questions that you may have to help get your project completed.

TEXAS

8234 Hansen Road
Houston, TX 77075-1069
713.946.7140 Phone
832.553.4700 Fax
800.324.9992 US Wats

GEORGIA

2175 Sweetwater Industrial Blvd.
Lithia Springs, GA 30122-2879
770.739.8339 Phone
770.739.1226 Fax
800.363.8142 US Wats

OKLAHOMA

2450 E.L. Anderson Blvd.
Claremore, OK 74017-2122
918.343.1973 Phone
918.343.7114 Fax
877.875.0077 US Wats

CALIFORNIA

15380 S. McKinley Ave.
Lathrop, CA 95330-8700
209.858.6700 Phone
209.858.6799 Fax
866.922.2216 US Wats

MINNESOTA

500 Whirlwind Drive
Freeport, MN 56331-0007
320.836.7200 Phone
320.836.7201 Fax
888.836.7203 US Wats

