

MasterRib



MasterRib is our most popular metal roofing panel and is an industry leader in strength and durability. This versatile metal roofing panel features classic looks and is used in a wide range of roofing and sidewall applications, including residential, commercial, post-frame, and agricultural. MasterRib was designed with extra-wide ribs to increase strength and ease handling and installation. Another unique feature of the MasterRib panel is the extra-large siphoning channel on the under-lap rib which provides extra leak resistance in extreme wind and rain loads.

Specifications:

- Exposed fastener panel for roof and wall applications.
- 3:12 minimum recommended roof pitch.
- Suitable for solid deck or open framing.

Substrates and Coatings:

- 29 and 26 gauge high strength steel.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 45 Year and Lifetime Siliconized Modified Polyester Paint System.

Testing and Approvals:

- Metal Construction Association Certified
- Miami-Dade Approved for Wind Uplift
- Energy Star Certified
- Texas Department of Insurance Approved
- Highest UL Ratings for Wind Uplift, Fire and Impact Resistance
- No Coastal Set Back
- UL 580 Class 90 Wind Uplift Construction #584
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class A
- Texas Department of Insurance Approval #116
- Metal Construction Association (MCA) Certified
- Miami Dade County NOA Compliant
- Florida Building Code Approved:
 - 7271.5 Min. 29 Ga. 36" Wide over 1" X 4" Furring and 15/32" plywood or 7/16" OSB
 - 7271.6 Min. 29 Ga. 36" wide over 15/32" plywood
 - 7271.7 Min 26 Ga. over 19/32" plywood
 - 9555.3 26 Ga. 36" wide over steel supports
 - 9555.4 29 Ga. 36" wide over steel supports
 - 9555.5 29 Ga. 36" wide over 2" x 2" wood supports
 - 9555.6- 29 Ga. 36" wide over 1" x 4" wood supports
 - 9557.3 29 Ga 36" wide wall panel over steel supports
 - 9557.4-29 Ga 36" wide wall panel over wood supports
 - 20484.5-Min 29 Ga over 15/32" plywood or 7/16" OSB
 - 20484.6-Min 29 Ga. over 15/32" plywood



7/8" Corrugated

Designed for commercial, industrial, residential, and steel-framed building applications, the 7/8" Corrugated Panel provides architects and designers a corrugated profile option which can be installed as both a roof and a wall panel. The 7/8" corrugation height creates the structural integrity required to allow installation over a solid substrate or open framing.

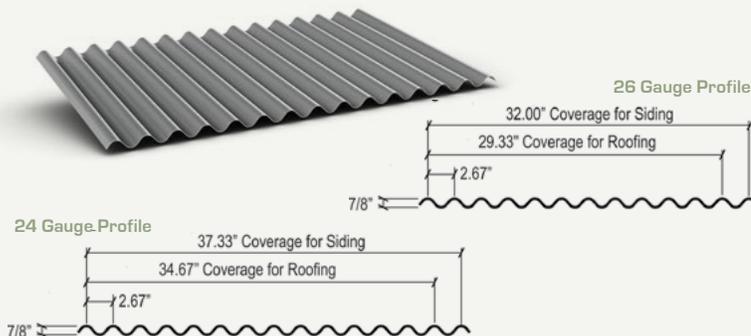
Substrates and Coatings:

- 26, 24, and 22 gauge (optional) high strength steel
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel
- 26 ga available in Siliconized Modified Polyester Paint Systems
- 24 and 22 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System Modified Polyester Paint Systems.



Testing and Approvals:

- UL 580 uplift resistance tested
- UL750 fire, class A rating
- UL2219 impact resistance, Class 4
- Florida Building Code Approved:
 - 955.2-R5-Min 26 Ga. 32" wide (13 Ribs) coverage 29.33" over Min. 26 Ga. 80 KSI steel or Min 24 Ga. 80 KSI Steel.
 - 955.2-R5-Min. 24 Ga 34.67" wide (14 Ribs) Coverage 32" over Min 26 Ga. 80 KSI steel or Min 24 Ga. Over 50 KSI steel.
 - 955.2-R5-Min. 24 Ga. 37.33" wide (15 Ribs) coverage 34.33" over Min. 26 Ga. 80 KSI steel or Min 24 Ga. over 50 KSI steel
 - 294671-R1-Min 26 Ga. over Min 7/16" OSB or Min 15/32" Plywood.
 - 294672-R1-Min 24 Ga._13 Ribs 7/8" high spaced at 2.67" OC coverage 29.33" over 15/32" plywood
 - 294672-R1-Min 24 Ga._14 Ribs 7/8" high spaced at 2.67" OC Coverage 32" over 15/32" plywood
 - 294672-R1 Min 24 Ga._15 Ribs 7/8" high spaced at 2.67" OC Coverage 34.67" over 15/32" plywood.



ValuRib

EXPOSED FASTENER



ValuRib is an inexpensive, entry-level version of our popular MasterRib metal roofing panel that's meant for use on applications where durability and strength are not as critical. This panel is popular for carports and various shade and shelter applications.

Specifications:

- Exposed fastener panel for roof and wall applications.
- 3:12 minimum recommended roof pitch.
- Suitable for solid deck or open framing.

Substrates and Coatings:

- 29 gauge high strength steel.
- Anti-corrosion galvanized or Galvalume® coating.
- ValuRib paint system (limited colors and availability.)

**Arctic White ValuRib is available only in Yukon, OK - Janesville, WI - Scranton, PA - and Dayton, OH. Please see a Union sales representative for more information.



1-1/4" & 2-1/2" Corrugated

Corrugated panels are the original metal roofing and siding panels and are a traditional staple in agricultural applications. Today, usage has expanded beyond its rural roofing heritage and they are being increasingly used to add traditional and rustic looks to homes, restaurants, retail establishments, and many other building types.

Specifications:

- Exposed fastener panel for roof and wall applications.
- 3:12 minimum recommended roof pitch.
- Suitable for solid deck or open framing.

Substrates and Coatings:

1-1/4" Corrugated

- Economy and 29 gauge high strength steel.
- 26 Gauge Bare Galvalume®
- Anti-corrosion galvanized coating.

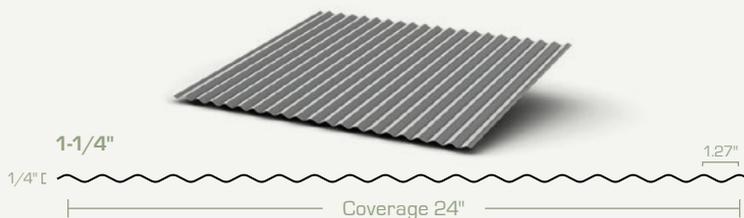
2-1/2" Corrugated

- Economy, 29, and 26 gauge high strength steel.
- 24 Gauge Unpainted Galvalume®
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel. Economy grades use a galvanized coating. (limited colors available.)
- 45 Year and Lifetime Siliconized Modified Polyester Paint System.



Testing and Approvals:

- Florida Building Code Approved:
 - 7271.1 R-5 Min. 26 Ga. 24" wide over 19/32" APA plywood or min. 3/4" thick wood plank



5V

EXPOSED FASTENER



For generations, 5V metal roofing panels have been used on farm buildings and other rural metal roofing projects. Today, many homeowners have recognized that the timeless design is ideal for residential roofs as well. Our 5V metal roofing panels are especially popular in Florida and other coastal areas. Our 5V roof panels are designed with an enhanced “U” over “V” profile to provide maximum leak resistance.

Specifications:

- Exposed fastener panel for roof and wall applications.
- 3:12 minimum recommended roof pitch.
- Suitable for solid decking or open framing.
- Available in 24 Gauge Unpainted Galvalume® [*Ocala only 24 gauge painted.]

Substrates and Coatings:

- Economy, 29 and 26 gauge high strength steel.
- 29 gauge Galvanized.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel. Economy grades use a galvanized coating.
- 45 Year and Lifetime Siliconized Modified Polyester Paint System.

Testing and Approvals:

- Metal Construction Association Certified
- Miami-Dade Approved for Wind Uplift
- Energy Star Certified
- Texas Department of Insurance Approved
- Highest UL Ratings for Wind Uplift, Fire and Impact Resistance
- No Coastal Set Back
- UL 580 Class 90 Wind Uplift Construction #579 and #643
- UL 790 Fire resistance Class 4
- UL 2218 Impact resistance Class 4
- UL 1897 Uplift Test for Roof Covering
- Texas Department of Insurance Approval #119
- Miami-Dade County NOA Approved
- Metal Construction Association (MCA) Certified
- Florida Building Code Approved:
 - 7271.2 26 Ga. over 19/32” plywood
 - 7271.3 29 Ga. over 15/32” APA plywood
 - 7271.4 26 Ga. over 19/32” plywood
 - 9555.1 29 Ga. over 1x4 wood furring structural
 - 20484.2 26 Ga. over 15/32” plywood



R/PBR/IR Panel

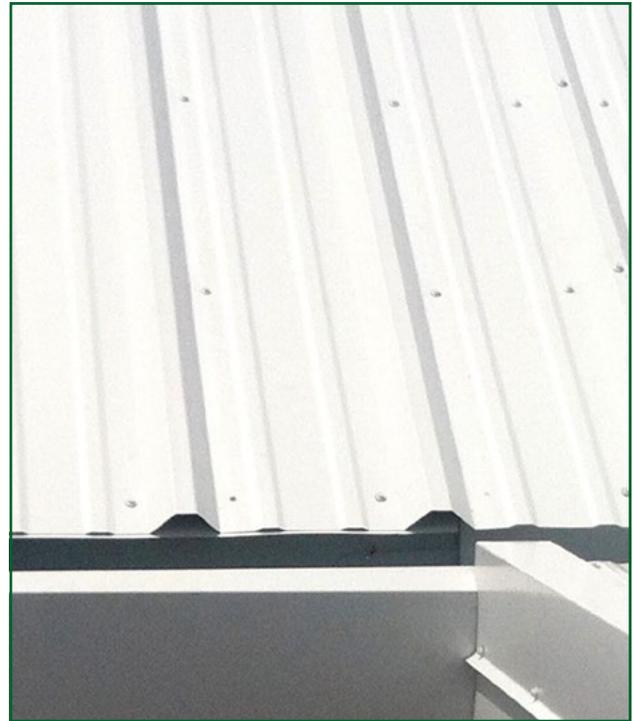
R, PBR, and IR metal roofing panels are designed for industrial, commercial, and steel-frame building applications. The "R" family of metal roofing panels has the strength to perform on roof pitches as low as 1:12 and on spans up to five feet. The R and IR panels are designed for sidewall applications while the PBR panel has an added purlin bearing leg to provide better support for roofing applications.

Specifications:

- Exposed fastener panel for roof and wall applications.
- 1:12 minimum recommended roof pitch (PBR can go as low as 1:12)
- Suitable for solid deck or open framing.

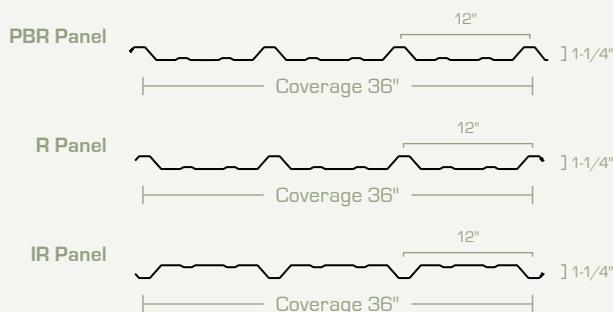
Substrates and Coatings:

- 26 and 24 gauge high strength steel.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 26 ga available in 45 Year Siliconized Modified Polyester Paint System.
- 24 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System.



Testing and Approvals:

- Metal Construction Association Certified
- Energy Star Certified
- Texas Department of Insurance Approved
- Highest UL Ratings for Wind Uplift, Fire and Impact Resistance
- No Coastal Set Back
- UL 580 Uplift UL 90 Construction #30, 79, 161, 167, and 638
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4
- Florida Building Code Approved:
 - 20484.8 R1 - 26 gauge over 15/32" plywood
 - 9555.6 R4 - 26 gauge over 16 gauge structural steel.
 - 9557.3 R4 - 26 gauge over 16 gauge structural steel (Wall Panel)



M-Panel



Union's M-Panel is a multi-use panel typically utilized in wall and soffit applications. With 36" of coverage and major ribs 6" on center, M-Panel can be installed both horizontally and vertically. Major ribs spaced 6" on center provide structural support and an aesthetic quality desired by building designers and architects.

Specifications:

- Exposed fastener panel for soffit and wall applications.
- Suitable for solid deck or open framing.

Substrates and Coatings:

- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 26 ga available in Siliconized Modified Polyester Paint Systems.
- 24 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System Modified Polyester Paint Systems.



Advantage-Lok II

Standing seam roofs have been used on traditional and contemporary homes for more than a century. Their clean lines and fully concealed fasteners make them a favorite on a wide range of residential and commercial architecture. Our Advantage-Lok II standing seam panel offers low profile 1" high ribs that look great on residential and smaller commercial roofs. Advantage-Lok II uses an integrated screw flange and has ribs that snap securely together without the use of clips to provide an easy installation. Like all of our standing seam panels, Advantage-Lok II has outstanding wind and weather resistance.

Specifications:

- Standing seam concealed fastener panel for roof applications.
- Snap locking ribs.
- Screw flange installation.
- 3:12 minimum recommended roof pitch.
- Suitable for solid decking.

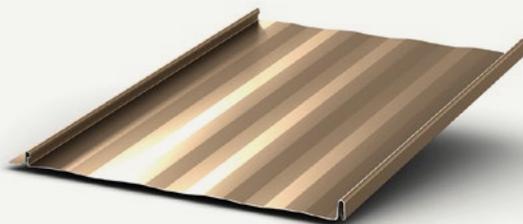
Substrates and Coatings:

- 26 and 24 gauge high strength steel.
- 0.032" aluminum.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 26 ga available in 45 Year and Lifetime (with no set backs at the sea coast) Siliconized Modified Polyester Paint Systems.
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System.



Testing and Approvals:

- Metal Construction Association Certified
- Miami-Dade Approved
- Energy Star Certified
- Highest UL Ratings for Wind Uplift, Fire and Impact Resistance
- No Coastal Set Back
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4
- UL 580 Uplift UL Class 90 Construction #529
- UL 1897 Uplift Test for Roof Covering
- Texas Department of Insurance Approval #156
- Miami-Dade County NOA Compliant
- Florida Building Code Approved:
 - 20484.2-Min 26 Ga. 16" wide over 7/16" OSB and 15/32" plywood
 - 20484.3-Nom. 0.032 Aluminum over 7/16" OSB or Min 15/32" plywood



SL150



SL150 is a snap lock standing seam roof panel with 1.5" high ribs that installs with concealed clips. The clips allow the panel to freely expand and contract during thermal movement which can help ensure an aesthetically pleasing look when very long panel lengths are required. SL150 is popular in both residential and commercial applications and is a great choice for customers that prefer a taller rib profile or for roofs requiring very long panel lengths.

Specifications:

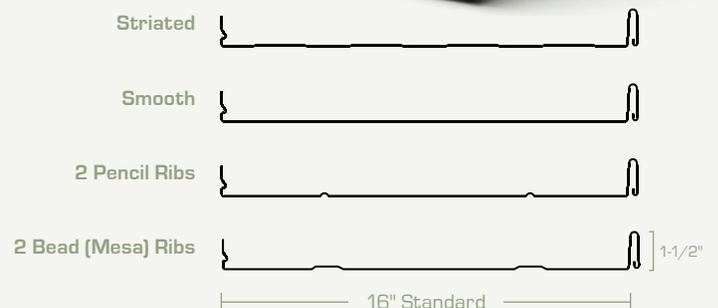
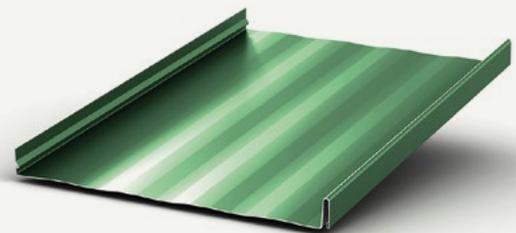
- Standing seam concealed fastener panel for roof applications.
- Snap locking ribs.
- Installs with clips.
- 3:12 minimum recommended roof pitch.
- Suitable for solid decking.

Substrates and Coatings:

- 26 and 24 gauge high strength steel.
- 0.032" aluminum.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 26 ga available in 45 Year and Lifetime Siliconized Modified Polyester Paint Systems.
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System.

Testing and Approvals:

- Florida Building Code High-Velocity Hurricane Zone Approved (Covers Miami-Dade Approval)
- Energy Star Certified
- Highest UL Ratings for Wind Uplift, Fire, and Impact Resistance
- Metal Construction Association Certified
- No Coastal Set Back UL 580 Construction #589
- UL Class 4 Impact
- UL 790 Fire Resistance Class A
- ASTM E-283 Air, E-331 Water
- Florida Building Code Approved:
 - 9443.2 - 24 gauge over 15/32" plywood
 - 20484.4-R2 - 0.032" Aluminum over 15/32" plywood



SL175

SL175 is a snap lock standing seam panel with 1.75" high ribs that can be used for architectural and light structural applications. The panel is secured with concealed clips and ribs that lock securely together. SL175 can be specified as an accent feature or a total roof system for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications.
- Snap locking ribs.
- Installs with clips.
- 1:12 minimum recommended slope.
- Suitable for solid deck.
- Applicable for installations requiring weathertightness warranties.
- .040 and 22 gauge *Extended lead times and minimum quantities apply.

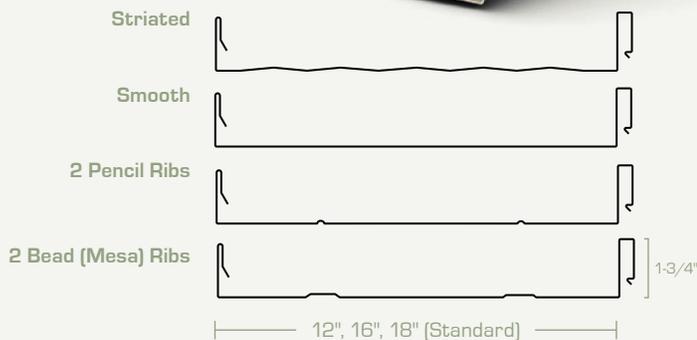
Substrates and Coatings:

- 24 and 22 gauge high strength steel.
- 0.032" and 0.040" aluminum.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- PVDF (Kynar 500 or Hylar 5000) Paint System.



Testing and Approvals:

- ASTM E-1592 Wind Uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- UL-90 Wind Uplift 254, 255, 303, 343, 414, 508, 508A
- UL Class A Fire Resistance
- UL 2218 Impact Resistance Class 4
- Florida Building Code Approved:
 - 7271.9-R5-24 ga. over 22 ga. B decking
 - 29467.4-R1-0.032 aluminum over 15/32" plywood
 - 32186.3-R1-0.040 aluminum over 15/32" plywood
 - 20484.9-R2-24 ga. over 15/32" plywood



ML150



Testing and Approvals:

- UL-90 Wind Uplift 512, 512A, 588, 603, 604, 605, 656, 658, 663
- UL Class A Fire Resistance
- UL 2218 Impact Resistance Class 4
- ASTM E-283 Air and E-331 Water
- ASTM E-1592
- Florida Building Code Approved:
 - 32186.1-R1-Nom. 0.032 aluminum over 15/32" plywood
 - 20484.7-R2-24 Ga. over 15/32" plywood

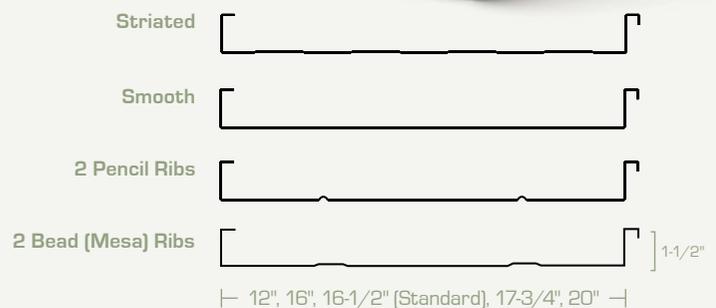
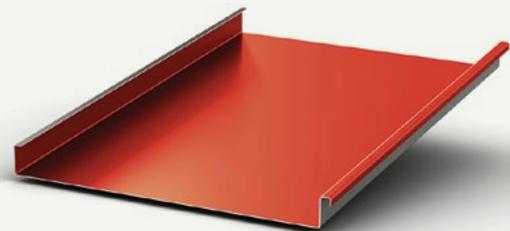
ML150 is a mechanically seamed standing seam panel for architectural applications. The panel has 1.5" high ribs and is secured with concealed clips and the ribs are locked together using a rooftop seaming machine. ML150 can be curved to meet radius panel applications. ML150 is typically specified as an accent feature for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications.
- Mechanically seamed.
- Installs with clips.
- 1:12 minimum recommended roof pitch.
- Suitable for solid deck.
- Applicable for installations requiring weathertightness warranties.

Substrates and Coatings:

- 24 gauge high strength steel.
- 0.032" aluminum.
- Anti-corrosion AZ50 Galvalume[®] coating for painted and AZ55 for unpainted steel.
- PVDF (Kynar 500 or Hylar 5000) Paint System.



ML200

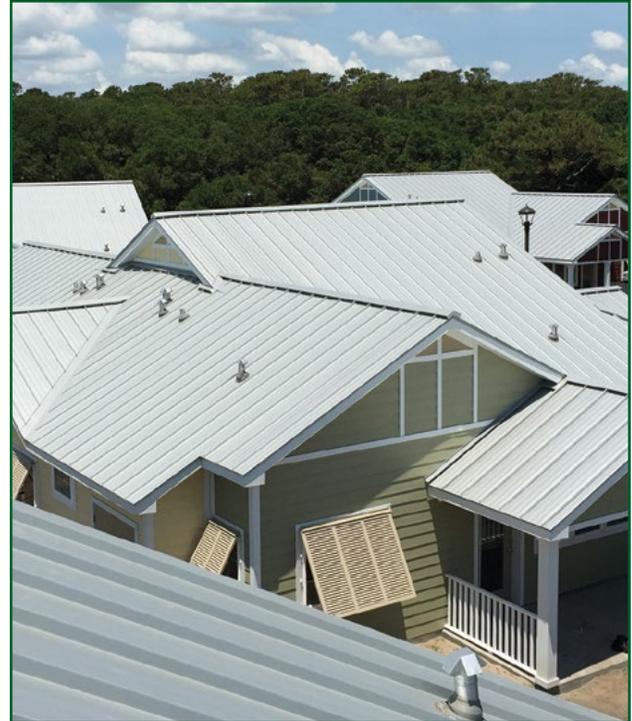
ML200 is a mechanically seamed standing seam panel with 2" high ribs that can be used for structural or architectural applications. The panel is secured with concealed clips and the ribs are locked together using a rooftop seaming machine. This type of standing seam system provides very high wind uplift resistance and structural integrity. ML200 can be specified as an accent feature or a total roof system for schools, shopping centers, banks, hotels, offices, and a variety of other applications.

Specifications:

- Standing seam concealed fastener panel for roof applications.
- Mechanically seamed.
- Installs with clips.
- 1/2:12 minimum recommended roof pitch.
- Suitable for solid deck or open framing.
- Applicable for installations requiring weathertightness warranties.
- .040 and 22 gauge *Extended lead times and minimum quantities apply.

Substrates and Coatings:

- 22 and 24 gauge high strength steel.
- 0.032" and 0.040" aluminum.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- PVDF (Kynar 500 or Hylar 5000) Paint System.



Testing and Approvals:

- ASTM E-1592 Wind Uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- ASTM E-2140 Hydrostatic Head Resistance
- UL-90 Wind Uplift 90, 176, 180, 238, 238A
- UL 2218 Impact Resistance Class 4
- UL Class A Fire Resistance
- Florida Building Code Approved:
 - 7271.8-R5-24 Ga. over 22 Ga. decking
 - 9555.7-R5-24Ga. over 16 Ga. steel section
 - 30502.1-R1-Nom.0.032 aluminum over 15/32" plywood
 - 32186.2-R1-Nom. 0.040 aluminum over 15/32" plywood (HVHZ)
 - 32912.1-R0- 24 Ga over 15/32' plywood (HVHZ)
 - 32912.2-R0-24 Ga. over 22 Ga. B decking
 - 37328-R0-Nom. 0.032 aluminum over 15/32" plywood (HVHZ)



TS-324™ Trapezoidal Panel



The TS-324™ Trapezoidal Panel is a structural metal roofing panel which provides superior wind and weather protection under all roof loading conditions. Typically installed over open framing, the trapezoidal profile maintains its structural integrity with a panel coverage of 24". The Trapezoidal Panel's ¼":12 minimum slope recommendation is the lowest of all metal roofing profiles offered by Union.

Specifications:

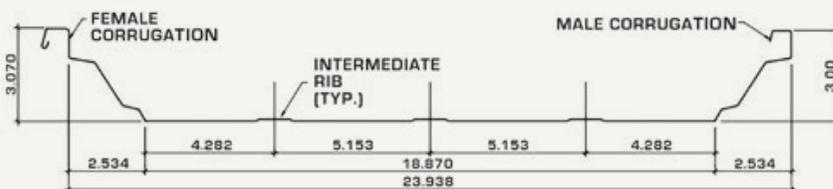
- Trapezoidal standing seam panel utilizing sliding clips and structural accessories for roof applications.
- Mechanically seamed ribs.
- Minimum slope recommendation= ¼":12.
- Suitable for solid decking or open framing.

Substrates and Coatings:

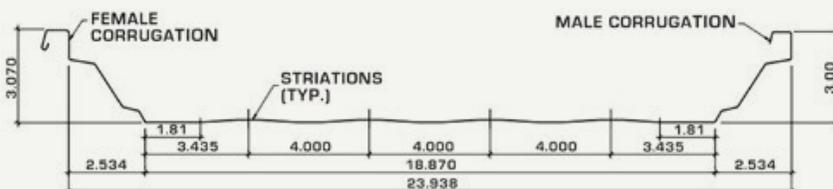
- 24 and 22 gauge high strength steel.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 26 ga available in Siliconized Modified Polyester Paint Systems.
- 24 and 22 ga available in PVDF (Kynar 500 or Hylar 5000) Paint System.

Testing and Approvals:

- ASTM E-1592 Wind uplift
- ASTM E-1646 Water Infiltration
- ASTM E-1680 Air Leakage
- ASTM E-2140 Hydrostatic Head Resistance
- Florida Building Code Approved:
 - 9555.9-R5- Min. 24 Ga. or 22 Ga. over 16 Ga. steel section



3 INTERMEDIATE RIB PANEL SECTION



STRIATED PAN PANEL SECTION



FL100

FL100 is a versatile panel that can be used on commercial and residential applications. The panel can be installed in a soffit application or vertically as a wall panel. Venting is available when used as a soffit panel. The interlocking mechanism allows for rapid installation and provides a flush appearance with completely concealed fasteners.

Specifications:

- Soffit and wall panel.
- Suitable for solid substrate or open framing.

Substrates and Coatings:

- 26 and 24 gauge high strength steel.
- 0.032" aluminum.
- Anti-corrosion AZ50 Galvalume® coating for painted and AZ55 for unpainted steel.
- 24 ga and aluminum available in PVDF (Kynar 500 or Hylar 5000) Paint System.
- 26 ga available in 45 Year and Lifetime Siliconized Modified Polyester Paint Systems.



Testing and Approvals:

- Florida Building Code Approved:
 - 9557.2 R5 12" wide, 24 Ga. or 0.032 Aluminum over (min) 16 Ga. min. 50 KSI Steel Support

