SECTION 07610

METAL ROOFING

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\*\* NOTE TO SPECIFIER \*\* Gulf Coast Supply & Manufacturing; metal roofing.  
This section is based on the products of Gulf Coast Supply & Manufacturing, which is located at:  
14429 SW 2nd Place, Suite G30  
Newberry, FL 32669   
Toll Free Tel: (888) 393-0335  
Tel: (352) 498-0778  
Fax: (352) 498-7852  
Email: [request info (info@gulfcoastsupply.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Gulf+Coast+Supply+%26+Manufacturing&coid=48992&rep=&fax=(352))  
Web: [http://www.gulfcoastsupply.com](http://http://www.gulfcoastsupply.com)   
 [ [Click Here](http://www.arcat.com/arcatcos/cos48/arc48992.html) ] for additional information.  
As Florida's Premier Choice for Metal Roofing Products for nearly two decades, Gulf Coast Supply has set out to provide the absolute Best Metal Roofing Products, Prices, Services, and Energy Efficient Metal Roofing technology available in the Florida marketplace.  
  
Gulf Coast Supply is a company built around the forgotten values of genuine customer service and accountability. Gulf Coast Supply has grown to become today's recognized Metal Roofing Products and Supplies leader in the state of Florida, the southeast U.S., and the Caribbean.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Concealed fastener metal roofing, trim and accessories:
       1. Gulf Lok Metal Roofing System.
       2. Gulf Lok HR Metal Roofing System.
       3. Gulf Seam Metal Roofing System.
       4. Gulf Snap Metal Roofing System.
       5. Versaloc Metal Roofing System.
       6. Megaloc Metal Roofing System.
    2. Exposed fastener metal roofing, trim and accessories:
       1. Gulf Rib Metal Roofing System.
       2. 5V Metal Roofing System.
       3. PBR Metal Roofing System.
       4. Gulf Wave Metal Roofing.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 05120 - Structural Steel: Primary framing system.
    2. Section 05400 - Cold Formed Framing: Secondary framing system.
    3. Section 061500 - Wood Decking: Substrate attachment.
  1. SUBMITTALS
     1. Submit under provisions of Section 01300.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Storage and handling requirements and recommendations.
        2. Installation methods.
     3. Shop Drawings: Include materials, anchors, details of construction, including relationship with adjacent construction.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two color charts representing manufacturer's full range of available colors and patterns.
    2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.
     2. Installer Qualifications: Minimum 2 year experience installing similar products.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship is approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
  1. PRE-INSTALLATION MEETINGS
     1. Convene minimum two weeks prior to starting work of this section.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
     2. Handling: Handle materials to avoid damage.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  4. SEQUENCING
     1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Gulf Coast Supply & Manufacturing, which is located at: 14429 SW 2nd Place, Suite G30; Newberry, FL 32669 ; Toll Free Tel: (888) 393-0335; Tel: (352) 498-0778; Fax: (352) 498-7852; Email: [request info (info@gulfcoastsupply.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Gulf+Coast+Supply+%26+Manufacturing&coid=48992&rep=&fax=(352)); Web: [http://www.gulfcoastsupply.com](http://http://www.gulfcoastsupply.com)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01600.

\*\* NOTE TO SPECIFIER \*\* Gulf Lok is a Snap Lock Metal Roofing System with a built-in fastener flange. It is typically used on mid to high end homes and small commercial projects.  
The Gulf Lok Snap Lock Metal Roofing Panel has vertical seams that are 1 inch (25 mm) high. 12 inch (305 mm) and 16 inch (406 mm) panel widths are available. Snap Lock Metal Roofing "snaps" together. It is a Hidden-Fastener (Standing Seam) System. This means that the installed panel is free from any fasteners. A smooth, clean appearance is the end result. The fasteners are attached in a slotted screw strip. This allows the metal to expand and contract without compromising the attachment of the screws. Delete if not required.

* 1. GULF LOK METAL ROOFING SYSTEM
     1. Product: Gulf Lok as manufactured by GulfCoast Supply & Manufacturing.
        1. Design: Concealed fastener snap lock seam with nailing flange. Application over continuous roof deck.
        2. Performance:
           1. HVHZ/Miami-Dade Approval 14-0520.03.
           2. FL Product Approval No. 11651.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. Miami Dade NOA 14-0520.03 (Miami Dade Product Approval).

Construction: Minimum 26ga. (0.45 mm) GulfLok, maximum 16 inches (406 mm) Wide Snap Lock Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.2 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum nominal 0.032 inch (0.8 mm) GulfLok, maximum 16 inches (406 mm) Wide Snap Lock Aluminum Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.9 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 24ga. (0.61 mm) GulfLok, maximum 16 inches (406 mm) Wide Snap Lock Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.15 R2 (HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26ga. (0.45 mm) GulfLok, maximum 16 inches (406 mm) Wide Snap Lock Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.16 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: Minimum 26ga. GulfLok, maximum 16 inches (406 mm) Wide Snap Lock Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

\*\* NOTE TO SPECIFIER \*\* Delete coverage not required.

* + - 1. Coverage: 12 inches (305 mm) Net Coverage.
      2. Coverage: 16 inches (406 mm) Net Coverage.
      3. Seam Height: 1 inch (25 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs).
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.

\*\* NOTE TO SPECIFIER \*\* Delete steel gauge not required.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Steel: 26 Gauge (0.45 mm).

\*\* NOTE TO SPECIFIER \*\* Delete aluminum thickness not required. Aluminum available w/OceanGuard Coastal Aluminum Roofing Series.

* + - 1. Aluminum: nominal 0.032 inch (0.8 mm).
      2. Aluminum: nominal 0.040 Inch (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/4:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12 (lower with evaluation from manufacturer and written approval)
      2. Deck Substrate: 15/32 inch (11.6 mm) CDX (minimum).

\*\* NOTE TO SPECIFIER \*\* High wind locale or roof zones. Used to fasten down Gulf Seam panels. Held down with pancake screws. Delete if not required.

* + - 1. Concealed Anchoring Clip: Coastal Clip as engineered and manufactured by Gulf coast Supply and Manufacturing. UL-90 performance.

\*\* NOTE TO SPECIFIER \*\* Colors:35 Colors, Including 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume available. Insert finish system and color

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.
         4. 25/20 Year OceanGuard Salt Water Warranty.

\*\* NOTE TO SPECIFIER \*\* Gulf LokHR is a Snap Lock Metal Roofing System with a built-in fastener flange. It is typically used on mid to high end homes and small to medium sized commercial projects.  
The Gulf LokHR Snap Lock Metal Roofing Panel has vertical seams that are 1.5 inch (38 mm) high. 15 inch (381 mm) panel widths are available. Snap Lock Metal Roofing "snaps" together. It is a Hidden-Fastener (Standing Seam) System. This means that the installed panel is free from any fasteners. A smooth, clean appearance is the end result. The fasteners are attached in a slotted screw strip. This allows the metal to expand and contract without compromising the attachment of the screws. Delete if not required.

* 1. GULF LOKHR METAL ROOFING SYSTEM
     1. Product: Gulf LokHR as manufactured by GulfCoast Supply & Manufacturing.
        1. Design: Concealed fastener snap lock seam with nailing flange. Application over continuous roof deck.
        2. Performance:
           1. FL Product Approval No. 11651.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. FL Product Approval No. 18473.1

Construction: Minimum 24ga. (0.6 mm) GulfLokHR, maximum 15 inches (381 mm) Wide Snap Lock Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - 1. Coverage: 15 inches (381 mm) Net Coverage.
      2. Seam Height: 1.5 inch (38 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.
      4. Steel: 24 Gauge (0.6 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/4:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12 (lower with evaluation from manufacturer and written approval)
      2. Deck Substrate: 15/32 inch (11.6 mm) CDX (minimum).

\*\* NOTE TO SPECIFIER \*\* Colors: 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume available. Insert finish system and color

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume/35/30 Year Premium Paint Finish.
         2. AZ-55 Gulfalume/25 Year Unpainted Mill Finish Warranty.

\*\* NOTE TO SPECIFIER \*\* Gulf Seam is a Clip Lock Metal Roofing system. It features a hidden screw design. Clip lock metal roofing allows increased design strength. The panels install without a seamer. The clips attach to the panels. This allows for a safe and strong connection. Gulf Seam metal roofing is energy efficient and virtually maintenance-free, making it a great choice for mid to high-end homes and small to large commercial projects. Gulf Seam Metal Roofing is also widely used in commercial applications.  
Gulf Seam panels feature a bold 1-3/4 inches (44.5 mm) vertical seam. The panel can be roll formed in many widths between 12 inches to 18 inches (305 mm to 457 mm). Hidden fasteners aren't visible on the final product. This makes for an appearance that is smooth and clean. Hidden fasteners combat the forces of nature without direct contact to wind and rain. The clip anchoring system allows for unlimited thermal expansion. Delete if not required.

* 1. GULF SEAM METAL ROOFING SYSTEM
     1. Product: Gulf Seam as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Concealed fastener clip lock seam with clip attachment. Application over continuous deck or deck + purlin framing.
        2. Performance:
           1. FL Product Approval No. 11651.
           2. FL Product Approval No. 16646.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. FL#11651.10 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 24ga. (0.61 mm) GulfSeam maximum 16 inch (406 mm) Wide Metal Roof Panels installed over 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.11 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 24ga. (0.61 mm) GulfSeam maximum 18 inch (457 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#16646.5 R1 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 24ga. (0.61 mm) GulfSeam maximum 18 inch (457 mm) Wide Metal Roof Panels installed over 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#16646.2 R1 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum .032" Aluminum (0.81 mm) GulfSeam maximum 18 inch (457 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#16646.3 R1 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum .032" Aluminum (0.81 mm) GulfSeam maximum 16 inch (406 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

\*\* NOTE TO SPECIFIER \*\* Delete coverage not required.

* + - 1. Coverage: 12 inches (305 mm) Net Coverage.
      2. Coverage: 14 inches (356 mm) Net Coverage.
      3. Coverage: 16 inches (406 mm) Net Coverage.
      4. Coverage: 18 inches (457 mm) Net Coverage.
      5. Seam Height: 1-3/4 inches (44.5 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.

\*\* NOTE TO SPECIFIER \*\* Delete thickness not required. Aluminum available w/OceanGuard Coastal Aluminum Roofing Series.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Aluminum: nominal 0.032 inch (0.8 mm).
      3. Aluminum: nominal 0.040 Inch (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/4:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12. (lower with evaluation from manufacturer and written approval)

\*\* NOTE TO SPECIFIER \*\* Delete structure not required.

* + - 1. Deck Structure: minimum 15/32 inch (11.6 mm) CDX (minimum).
      2. Deck Structure: minimum 15/32 inch (11.6 mm) CDX (minimum) decking with 1x4 wood purlins installed over.
      3. Concealed Anchoring Clip: Clip as engineered by Gulfcoast Supply and Manufacturing. UL-90 performance.

\*\* NOTE TO SPECIFIER \*\* 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.
         3. 25/20 Year OceanGuard Salt Water Warranty.

\*\* NOTE TO SPECIFIER \*\* Gulf Snap is a Standing Seam Metal Roof Panel from Gulf Coast Supply. It is concealed fastener so the screws are hidden. It also uses a clip for attachment. It is strong, durable and energy efficient. Standing Seam Metal Roofs require very little maintenance. Gulf Snap has been used on mid to high end residential projects. It is also common in commercial roofing.  
The panel is available in both a 1 inch & 1-1/2 inches (25 mm and 38 mm) high seam, spaced 12 to 17 inches (305 mm to 432 mm) apart, depending on the profile you choose. The fact that it is a Hidden-Fastener System means that you will get a clean, smooth appearance while protecting the fasteners from the forces of nature. Delete if not required.

* 1. GULF SNAP METAL ROOF PANEL
     1. Product: Gulf Snap as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Concealed snap lock seam. Application over continuous deck.
        2. Performance:
           1. FL Product Approval No. 11651.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. FL#11651.3 R2 (HVHZ).

Construction: minimum 24ga. (0.61 mm) GulfSnap 1 inch (25 mm) Rib Hgt. X maximum 17 inches (432 mm) Wide Standing Seam Metal Roof Panel installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.6 R2 (HVHZ).

Construction: minimum 24ga. (0.61 mm) GulfSnap 1.5 inches (38 mm) Rib Hgt. X maximum 16 inches (407 mm) Wide Standing Seam Metal Roof Panel installed over minimum 15/32 inch (11.6 mm) Plywood

* + - 1. Coverage: 12 inches (305 mm) Net Coverage.
      2. Coverage: 16 inches (407 mm) Net Coverage.
      3. Coverage: 17 inches (432 mm) Net Coverage.

\*\* NOTE TO SPECIFIER \*\* Delete seam height not required.

* + - 1. Seam Height: 1 inches (25 mm).
      2. Seam Height: 1-1/2 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.
      4. Steel: 24 Gauge (0.61 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/4:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12. (lower with evaluation from manufacturer and written approval)
      2. Deck Structure: 15/32 inch (11.6 mm) CDX (minimum).
      3. Concealed Anchoring Clip: Clip as engineered by Gulfcoast Supply and Manufacturing. UL-90 performance.

\*\* NOTE TO SPECIFIER \*\* 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.

\*\* NOTE TO SPECIFIER \*\* A Versaloc metal roof from Gulf Coast Supply is a Mechanically Seamed Metal Roofing System. It is most popular on architectural and commercial applications. Many mid and high end commercial projects select Versaloc Metal Roofing.  
A strong, 90-degree or 180-degree Mechanical Seam provides the ultimate in weather tightness and structural strength. Versaloc Metal Roofing is available with a vertical seam height of 1 inch (25 mm) or 1.5 inches (38 mm). It can be roll-formed in widths ranging from 12 inches to 20 inches (305 mm to 508 mm). For coastal applications we do offer Ocean Guard Aluminum Roofing. This option offers a corrosion and fade warranty, with no setback from breaking surf. Delete if not required.

* 1. VERSALOC METAL ROOFING SYSTEM
     1. Product: Versaloc as manufactured by GulfCoast Supply & Manufacturing.
        1. Design: Concealed clip mechanical lock seam. Application over continuous wood or steel deck.
        2. Performance:
           1. HVHZ/Miami-Dade Approval (w/1-1/2 inches (38 mm) seam hgt.) NOA #14-0520
           2. FL Product Approval No. 11651.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. Miami Dade NOA # 14-0520.05 (Miami Dade Product Approval).

Construction: minimum 24ga. Versaloc with 1.5 inches (38mm) seam hgt x 20 inches (508 mm) maximum width mechanically seamed metal roofing panel installed over minimum 15/32 (11.6 mm) inch thick plywood

* + - * 1. Miami Dade NOA # 14-0520.06 (Miami Dade Product Approval).

Construction: minimum .032 inch Versaloc with 1.5 inches (38mm) seam hgt x 20 inches (508 mm) maximum width mechanically seamed metal roofing panel installed over minimum 15/32 (11.6 mm) inch thick plywood

* + - * 1. Miami Dade NOA # 14-0520.07 (Miami Dade Product Approval).

Construction minimum 24ga. Stainless Steel Versaloc with 1.5 inches (38mm) seam hgt x 20 inches (508 mm) maximum width mechanically seamed metal roofing panel installed over minimum 15/32 (11.6 mm) inch thick plywood

* + - * 1. Miami Dade NOA # 14-0520.08 (Miami Dade Product Approval).

Construction minimum 16 ounce Copper Versaloc with 1.5 inches (38mm) seam hgt x 16 inches (406 mm) maximum width mechanically seamed metal roofing panel installed over minimum 15/32 (11.6 mm) inch thick plywood

* + - * 1. FL#11651.4 R2 (HVHZ).

Construction: minimum 24ga. Versaloc SR 1 inch ( 25.4 mm) Rib Hgt. X 16.5 inches (419 mm) Wide Mechanical Seam Metal Roofing Panel installed over minimum 15/32 (11.6 mm) inch thick plywood.

* + - * 1. FL#11651.5 R2 (HVHZ).

Construction: minimum .032 inch Aluminum Versaloc SR 1 inch ( 25.4 mm) Rib Hgt. X 16 inches (406 mm) Wide Mechanical Seam Metal Roofing Panel installed over minimum 15/32 (11.6 mm) inch thick plywood.

* + - * 1. FL#11651.7 R2 (HVHZ).

Construction: minimum 24ga. Versaloc 1.5 inch (38 mm) Rib Hgt. X 16 inches (406 mm) Wide Mechanical Seam Metal Roofing Panel installed over minimum 15/32 (11.6 mm) inch thick plywood.

\*\* NOTE TO SPECIFIER \*\* Delete coverage not required.

* + - 1. Coverage: 12 inches (305 mm) Net Coverage.
      2. Coverage: 14 inches (356 mm) Net Coverage.
      3. Coverage: 16 inches (406 mm) Net Coverage.
      4. Coverage: 18 inches (457 mm) Net Coverage.
      5. Coverage: 20 inches (508 mm) Net Coverage.

\*\* NOTE TO SPECIFIER \*\* Delete seam height not required.

* + - 1. Seam Height: 1 inches (25 mm).
      2. Seam Height: 1-1/2 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Stainless Steel: 24 Gauge (0.62 mm).
      3. Copper: 16 ounce.

\*\* NOTE TO SPECIFIER \*\* Delete aluminum thickness not required. Aluminum available w/OceanGuard Coastal Aluminum Roofing Series.

* + - 1. Aluminum: 0.032 inch (0.8 mm).
      2. Aluminum: 0.040 Inch (1.0 mm).
      3. Minimum Slope: 1/4:12.

\*\* NOTE TO SPECIFIER \*\* Delete structure not required.

* + - 1. Deck Structure: 15/32 inch (11.6 mm) CDX (minimum).
      2. Concealed Anchoring Clip: Clip as engineered by Gulfcoast Supply and Manufacturing. UL-90 performance.

\*\* NOTE TO SPECIFIER \*\* 15 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.
         4. 25 Year OceanGuard Salt Water Warranty.
         5. 20 Year Water Tightness Warranty.

\*\* NOTE TO SPECIFIER \*\* A Megaloc metal roof from Gulf Coast Supply is a Mechanically Seamed Metal Roofing System. It is most popular on architectural and commercial applications. Many mid and high end commercial projects select Megaloc Metal Roofing.  
A strong, 180-degree Mechanical Seam provides the ultimate in weather tightness and structural strength. Megaloc Metal Roofing is available with a vertical seam height of 2 inches (51 mm). It can be roll-formed in widths ranging from 12 inches to 22.5 inches (305 mm to 572 mm). For coastal applications we do offer Ocean Guard Aluminum Roofing. This option offers a corrosion and fade warranty, with no setback from breaking surf. Delete if not required.

* 1. MEGALOC METAL ROOFING SYSTEM
     1. Product: Megaloc as manufactured by GulfCoast Supply & Manufacturing.
        1. Design: Concealed clip mechanical lock seam. Application over continuous wood or steel deck or Steel Purlins
        2. Performance:
           1. Miami-Dade Approval NOA #14-0520
           2. FL Product Approval No. 11650 & 11651

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. Miami Dade NOA # 14-0520.09 (Miami Dade Product Approval)..

Construction: minimum 24ga. Megaloc with 2 inches (51mm) seam hgt x maximum 22.5 inches (508 mm) maximum width mechanically seamed metal roofing panel installed over minimum 22 gauge steel decking

* + - * 1. Miami Dade NOA # 14-0520.10 (Miami Dade Product Approval).

Construction: minimum .032 inch aluminum Megaloc with 2 inches (51mm) seam hgt x maximum 22.5 inches (508 mm) maximum width mechanically seamed metal roofing panel installed over minimum 22 gauge steel decking

* + - * 1. FL#11650.1 R2 (non-HVHZ).

Construction: minimum 24ga. Megaloc 2 inch (51 mm) Rib Hgt. X maximum 18 inches (457 mm) Wide Mechanical Seam Metal Roofing Panel installed over minimum 16ga. Steel Purlins.

* + - * 1. FL#11651.8 R2 (non-HVHZ).

Construction: minimum 24ga. Megaloc 2 inch (51 mm) Rib Hgt. X maximum 18 inches (457 mm) Wide Mechanical Seam Metal Roofing Panel installed over minimum 15/32 (11.6 mm) inch thick plywood.

\*\* NOTE TO SPECIFIER \*\* Delete coverage not required.

* + - 1. Coverage: 12 inches (305 mm) Net Coverage.
      2. Coverage: 14 inches (356 mm) Net Coverage.
      3. Coverage: 16 inches (406 mm) Net Coverage.
      4. Coverage: 18 inches (457 mm) Net Coverage.
      5. Coverage: 20 inches (508 mm) Net Coverage.
      6. Coverage: 22.5 inches (572 mm) Net Coverage.
      7. Seam Height: 2 inches (51 mm).

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With double mini ribs between major ribs.
      3. Profile Configuration: With striations.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Steel: 24 Gauge (0.61 mm).

\*\* NOTE TO SPECIFIER \*\* Delete aluminum thickness not required. Aluminum available w/OceanGuard Coastal Aluminum Roofing Series.

* + - 1. Aluminum: 0.032 inch (0.8 mm).
      2. Aluminum: 0.040 Inch (1.0 mm).
      3. Minimum Slope: 1/4:12.

\*\* NOTE TO SPECIFIER \*\* Delete structure not required.

* + - 1. Deck Structure: 15/32 inch (11.6 mm) CDX (minimum).
         1. Deck Structure: minimum 22 gauge steel decking.
      2. Open Framing Structure: minimum 16ga purlins.
      3. Concealed Anchoring Clip: Clip as engineered by Gulfcoast Supply and Manufacturing. UL-90 performance.

\*\* NOTE TO SPECIFIER \*\* 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.
         4. 25 Year OceanGuard Salt Water Warranty.
         5. 20 Year Water Tightness Warranty.

\*\* NOTE TO SPECIFIER \*\* A GulfRib Tuff Rib Metal Roofing System from GulfCoast Supply is a strong, durable, and energy efficient roofing system. Its most common uses are residential, small commercial and agricultural buildings. The GulfRib Exposed Fastener Metal Roofing profile comes in a standard 3 feet (914 mm) wide Metal Roofing Panel, making it one of our most economical roofing options.  
The GulfRib Metal Roofing features vertical ribs that are trapezoidal in shape and spaced 9 inches (229 mm) on center with engineering that provides enough strength to exceed the stringent wind rating requirements of Miami-Dade County, one of the toughest building codes in the world. Delete if not required.

* 1. GULF RIB METAL ROOFING SYSTEM
     1. Product: GulfRib as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Exposed fastener lap seam panel. Application over continuous deck structure.
        2. Performance:
           1. Miami-Dade Approval No. 14-0520.
           2. FL Product Approval No. 11651 & 16646.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. Miami Dade NOA # 14-0520.01 (Miami Dade Product Approval).

Construction: minimum 26 Ga. (0.45 mm) GulfRib over minimum 15/32 inch (11.6 mm) Plywood

* + - * 1. Miami Dade NOA # 14-0520.04.

Construction: minimum 26 Ga. (0.45 mm) Gulf Rib over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.21 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26 Ga. (0.45 mm) GulfRib over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.22 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26 Ga. (0.45 mm) GulfRib over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.23 R2 (HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26 Ga. (0.45 mm) GulfRib over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.24 R2 (HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26 Ga. (0.45 mm) GulfRib over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.25 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: 29 Ga. (0.34 mm) GulfRib over 1x4 Wood Purlins over 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.26 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 29 Ga. (0.34 mm) GulfRib over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.27 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 29 Ga. (0.34 mm) GulfRib over minimum 1x4 Wood Purlins over minimum 7/16 inches (11 mm) O.S.B.

* + - * 1. FL#11651.28 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 29 Ga. (0.34 mm) GulfRib over minimum 7/16 inches (11 mm) O.S.B.

* + - * 1. FL#16646.1 R1 (NON HVHZ Metal Roofing Florida Product Approval.

Construction: minimum 29 Ga. (.34 mm) GulfRib over minimum 15/32 inch (11.6 mm) Plywood. Fasteners through high points of ribs.

* + - 1. Panel Coverage: 36 inches (914 mm) Net Coverage.
      2. Profile Height: 3/4 inch (19 mm) trapezoidal shaped ribs 9 inches (229 mm) apart with two intermediate striations.

\*\* NOTE TO SPECIFIER \*\* Delete gauge not required.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Steel: 26 Gauge (0.45 mm).
      3. Steel: 29 Gauge (0.34 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/2:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12. (lower with evaluation from manufacturer and written approval)
      2. Deck Structure: minimum 15/32 inch (11.6 mm) CDX (minimum)
      3. Deck Structure: minimum 15/32 inch (11.6 mm) CDX plywood with minimum #2 1x4 Yellow Pine purlins
      4. Deck Structure: minimum 7/16 inch (11 mm) OSB minimum with minimum #2 1x4 Yellow Pine purlins
      5. Deck Structure: minimum 7/16 inch (11 mm) O.S.B.

\*\* NOTE TO SPECIFIER \*\* 35 Colors, Including 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.

\*\* NOTE TO SPECIFIER \*\* A 5V Crimp Premium Metal Roof from Gulf Coast supply is the timeless look of authentic Florida in a strong, durable, and energy efficient roofing system. Its 24 inches (610 mm) panel width and exposed fastener application make 5V Crimp one of our most economical roofing options. The distinctive design featuring alternating single and double ribs provide the old Florida look, while the screw pattern provides engineering to protect your home in the strongest of storms. Delete if not required.

* 1. 5V METAL ROOFING SYSTEM
     1. Product: 5V Crimp as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Exposed fastener lap seam panel. Application over continuous deck structure.
        2. Performance:
           1. Miami-Dade Approval No. 14-0520.
           2. FL Product Approval No. 11651.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. Miami Dade NOA # 14-0520.02

Construction: minimum 26ga (0.45 mm) 5V Crimp 24 inches (610 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood

* + - * 1. FL#11651.1 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum nominal 0.032 inch (0.8 mm) 5V Crimp 24 inches (610 mm) Wide Aluminum Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.12 R2 (HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26ga. (0.45 mm) 5V Crimp 24 inches (610 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.13 R2 (NON HVHZ Metal Roof Florida Product Approval).

Construction: minimum 26ga. (0.45 mm) 5V Crimp 24 inches (610 mm) Wide Metal Roof Panels installed over minimum 15/32 inch (11.6 mm) Plywood.

* + - * 1. FL#11651.14 R2 (NON HVHZ Metal Roof Florida Product Approval)

Construction: minimum 26ga. (0.45 mm) 5V Crimp 24 inches (610 mm) Wide Metal Roof Panels installed over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood.

* + - 1. Panel Coverage: 24 inches (610 mm) Net Coverage.
      2. Profile Height: 7/16 inch (11 mm) alternating single and double ribs 12 inches (305 mm) apart.

\*\* NOTE TO SPECIFIER \*\* Delete profile configurations not required.

* + - 1. Profile Configuration: Flat (no mini ribs or striations between major ribs.
      2. Profile Configuration: With single mini ribs between major ribs.
      3. Profile Configuration: With striations.

\*\* NOTE TO SPECIFIER \*\* Delete gauge not required.

* + - 1. Steel: 26 Gauge (0.45 mm).
      2. Steel: 29 Gauge (0.34 mm).

\*\* NOTE TO SPECIFIER \*\* Delete aluminum thickness not required. Aluminum available w/OceanGuard Coastal Aluminum Roofing Series.

* + - 1. Aluminum: 0.032 inch (0.8 mm).
      2. Aluminum: 0.040 Inch (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/2:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12 (lower with evaluation from manufacturer and written approval).
      2. Deck Structure: 15/32 inch (11.6 mm) CDX (minimum) or #2 1x4 Yellow Pine.

\*\* NOTE TO SPECIFIER \*\* 35 Colors, Including 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.

\*\* NOTE TO SPECIFIER \*\* Available w/OceanGuard Coastal Aluminum Roofing Series. Delete if not required.

* + - * 1. 25 Year OceanGuard Salt Water Warranty.

\*\* NOTE TO SPECIFIER \*\* A GulfPBR PBR Metal Roofing System from GulfCoast supply is a strong, durable, and energy-efficient roofing system. Its 3 ft panel width and Exposed Fastener application make GulfPBR one of our most economical profiles.  
Bold 1-1/4 inches (32 mm) high trapezoidal shaped ribs provide tremendous strength and water tightness properties making it perfect for Low Slope Roofing applications. Engineering allows for structural installation over open framing, such as is commonly found on rigid-frame steel buildings. Delete if not required.

* 1. PBR METAL ROOFING SYSTEM
     1. Product: GulfPBR as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Exposed fastener lap seam panel. Application over continuous deck structure.
        2. Performance:
           1. FL Product Approval No. 11651.
           2. FL Structural Product Approval No. 11650.

\*\* NOTE TO SPECIFIER \*\* Approved construction if required for building type and code requirement. Delete construction not required.

* + - * 1. FL#11650.2 R1 (HVHZ Florida Product Approval)

Construction: minimum 24ga. (0.61 mm) GulfPBR 36 inches (914 mm) Wide PBR Metal Roofing Panel installed over minimum 16ga. Open Framing

* + - * 1. FL#11650.3 R1 (NON-HVHZ Florida Product Approval)

Construction: minimum 26 Ga. (0.45 mm) GulfPBR 36 inches (914 mm) Wide PBR Metal Roofing Panel installed over minimum 16ga. Open Framing

* + - * 1. FL#11651.17 R1 (NON-HVHZ Florida Product Approval)

Construction: minimum 26 Ga. (0.45 mm) GulfPBR 36 inches (914 mm) Wide PBR Metal Roofing Panel installed over minimum 15/32 inch (11.6 mm) Plywood

* + - * 1. FL#11651.18 R1 (HVHZ Florida Product Approval)

Construction: minimum 26 Ga. (0.45 mm)GulfPBR 36 inches (914 mm) Wide PBR Metal Roofing Panel installed over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood

* + - * 1. FL#11651.19 R1 (HVHZ Florida Product Approval)

Construction: minimum 26 Ga. (0.45 mm) GulfPBR 36" Wide PBR Metal Roofing Panel installed over minimum 15/32 inch (11.6 mm) Plywood

* + - * 1. FL#11651.20 R1 (NON-HVHZ Florida Product Approval)

Construction: minimum 26 Ga. (0.45 mm)GulfPBR 36" Wide PBR Metal Roofing Panel installed over minimum 1x4 Wood Purlins over minimum 15/32 inch (11.6 mm) Plywood

* + - 1. Panel Coverage: 36 inches (914 mm) Net Coverage.
      2. Profile Height: 1-1/4 inches (32 mm) trapezoidal shaped ribs 12 inches (305 mm) apart with two intermediate striations.

\*\* NOTE TO SPECIFIER \*\* Delete gauge not required.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Steel: 26 Gauge (0.45 mm).
      3. Minimum Slope: 1/2:12.
      4. Deck Structure: minimum 15/32 inch (11.6 mm) CDX, minimum 1x4 purlins over minimum 15/32 inch (11.6 mm) or minimum 16ga. Open Framing.

\*\* NOTE TO SPECIFIER \*\* 35 Colors, Including 20 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.

\*\* NOTE TO SPECIFIER \*\* A GulfWave roof from Gulf Coast Supply is a premium metal roof with a distinctive traditional design. The continuous "wave-like" appearance of the corrugation lends strength and architectural appeal to this Exposed-Fastener panel making it a great fit for everything from residential and small commercial roofs to interior and exterior accent applications.  
Commonly referred to as "Corrugated", the 32 inches (813 mm) GulfWave panel width allows for quick and economical application, and the 3/4 inch (19 mm) high continuous corrugations provide enough structural strength to protect your home from the worst of nature's elements. Delete if not required.

* 1. GULFWAVE METAL ROOFING
     1. Product: GulfWave as manufactured by GulfCoast Supply & Manufacturing
        1. Design: Exposed fastener lap seam panel. Application over continuous deck structure.
        2. Performance:
           1. FL Product Approval No. Pending.
        3. Panel Coverage: 32 inches (813 mm) Net Coverage.
        4. Profile Height: 3/4 inch (19 mm) continuous wave corrugations.

\*\* NOTE TO SPECIFIER \*\* Delete gauge not required.

* + - 1. Steel: 24 Gauge (0.61 mm).
      2. Steel: 26 Gauge (0.45 mm).
      3. Steel: 29 Gauge (0.34 mm).

\*\* NOTE TO SPECIFIER \*\* Application on slopes down to 1/2:12 permissible with site-specific written approval. Contact manufacturer.

* + - 1. Minimum Slope: 3:12 (lower with evaluation from manufacturer and written approval).
      2. Deck Structure: 15/32 inch (11.6 mm) CDX (minimum).

\*\* NOTE TO SPECIFIER \*\* 35 Colors, Including 19 Colors of Ultra-Fade-Resistive Kynar500 & Mill Finished Gulfalume Available. Insert finish system and color.

* + - 1. Finish: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Substrate/finish warranty. Delete warranty not required.

* + - 1. Substrate/Warranty:
         1. AZ-50 Gulfalume / 35/30 Year Premium Paint Finish.
         2. AZ-50 Gulfalume / 40/30 Year Standard Paint Finish Warranty.
         3. AZ-55 Gulfalume / 25 Year Unpainted Mill Finish Warranty.
  1. METAL TRIM

\*\* NOTE TO SPECIFIER \*\* For Concealed Fastener roofs, attached with Z-flashing (2 per ridge cap), Titebond and rivets. For Exposed Fastener roofs, attached with exposed fasteners and one of several options of vented or non-vented closures.

* + 1. Ridge Caps: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Extended eave drip recommended for Concealed Fastener systems (cleats optional.) Special tools required to attach panels. Standard Eave Drip used for Exposed Fastener systems

* + 1. Eave Drip: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Concealed Fastener rakes recommended for Concealed Fastener systems, and step rakes available for both types of systems. Cleats and z-flashing necessary for screw-less rakes. Use butyl sealant between step rake or z-flashing and panel.

* + 1. Gable Flashings: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Panel starter necessary for hidden screw application. Butyl sealant used under starter or under panels.

* + 1. Valleys: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Concealed Fastener Sidewall Flashing recommended for Concealed Fastener systems, and requires Z-flashing and rivets. Step Sidewall Flashing available for both types of systems. Use butyl sealant between step sidewall flashings or z-flashing and panel.

* + 1. Sidewall: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Concealed Fastener Endwall flashing recommended for Concealed Fastener systems, and attaches with Z-flashing and rivets. Exposed Fastener Endwall flashing available for Exposed Fastener systems.

* + 1. Endwall Flashing: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Concealed Fastener Transition Flashing attaches with Z-flashing and rivets on the lower side, and panel starter with pancake screws (upper). Exposed Fastener Transition Flashing attaches with exposed fasteners and non-vented closures.

* + 1. Transition Flashing: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Concealed Fastener Gambrel Flashing attaches with Z-flashing and rivets on the lower side, and panel starter with pancake screws (upper). Exposed Fastener Gambrel Flashing attaches with exposed fasteners and non-vented closures.

* + 1. Gambrel Flashing: Transition Flashing: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Chimney Flashing attaches with panel-starter and butyl tape on Concealed Fastener Systems. Attaches with Exposed Fasteners on Exposed Fastener systems.

* + 1. Chimney Flashing: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.
  1. ACCESSORlES

\*\* NOTE TO SPECIFIER \*\* Fits over vent and heat pipes. Available also in heat-resistant boots.

* + 1. Pipe Boots: Provide manufacturer's standard units based on roof configuration.

\*\* NOTE TO SPECIFIER \*\* Fits around pipes with inaccessible tops (such as weatherheads).

* + 1. Electrical Boots: Provide manufacturer's standard units based on roof configuration.

\*\* NOTE TO SPECIFIER \*\* Used to seal under Hip Caps on Exposed Fastener roofing systems. Also, a general purpose sealing tape.

* + 1. Peel and Seal Tape: Provide manufacturer's standard seals.

\*\* NOTE TO SPECIFIER \*\* Hides scratches and mars encountered in installation.

* + 1. Touch-up Paint: Provide manufacturer's standard touch-up paint.

\*\* NOTE TO SPECIFIER \*\* General purpose low-cost sealant, used on panel laps and under trim.

* + 1. Butyl tape: Provide manufacturer's standard products.

\*\* NOTE TO SPECIFIER \*\* A superior general purpose caulk for all joints. Matches panel colors.

* + 1. Titebond: Provide manufacturer's standard products.

\*\* NOTE TO SPECIFIER \*\* Greatly reduces radiant heat transfer when installed under panels.

* + 1. Low Profile Insulation: Provide manufacturer's standard units based on roof configuration and pitch and as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Used in all applications attaching Concealed Fastener metal roofing systems to substrate

* + 1. Pancake Screws: Provide manufacturer's standard products.

\*\* NOTE TO SPECIFIER \*\* Heavy duty coated screws; available in wood grip, long-life, and self-drilling. Used in all applications attaching Exposed Fastener metal roofing systems to substrate. Delete option not required.

* + 1. Exposed Fasteners: Provide manufacturer's standard products.
       1. Long-life Zinc-Aluminum cap screws.
       2. Long-life Stainless Steel cap screws.
       3. Non-warranted screws.

\*\* NOTE TO SPECIFIER \*\* Used to fasten two pieces of light gauge metal together. Used on Concealed Fastener metal roofing systems to attach trim pieces to z flashing, and can be used to attach any trim pieces together on Exposed Fastener metal roofing systems.

* + 1. Stainless Rivets: Provide manufacturer's standard products.

\*\* NOTE TO SPECIFIER \*\* Self-drilling Lap screws draw together joints and attach trim. Available in Standard and Long-Life. Delete option not required.

* + 1. Lap Screws: Provide manufacturer's standard products.
       1. Long-life Zinc-Aluminum cap screws.
       2. Long-life Stainless Steel cap screws.
       3. Non-warranted screws.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION