Metal-Era, Inc. November 2017

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Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide,* *MasterFormat, SectionFormat,* and *PageFormat.*

This Section must be carefully reviewed and edited by the Architect to meet the requirements of the Project and local building code. Coordinate this Section with Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2016 Edition.*

1. 07 72 29

SLOPED ROOF VENTILATION

Specifier Notes: This Section covers Metal-Era, Inc. sloped roof ventilation. Consult Metal-Era, Inc. for assistance in editing this Section as required for the Project.

Metal-Era, Inc. sloped roof ventilation systems are a passive type of ventilation system and are not recommended for roof slopes less than 3/12.

* 1. GENERAL
     1. SECTION INCLUDES
        1. Sloped Roof Ventilation:

Specifier Notes: Edit the following list to include the materials specified in this Section.

* + - * 1. Ridge vents.
        2. Dual vents.
        3. Truss vents.
        4. Vented fasciae.
        5. Rake fasciae.
        6. Rake panels.
        7. Drip edges.
        8. Vented screens.
    1. RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

* + - 1. Section 07 92 00 – Joint Sealants.
    1. REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles. Delete reference standards from the following list not used in the edited Section.

* + - 1. Florida Building Code, Testing Application Standard (TAS) 100 (A) – Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems.
      2. Miami-Dade County, Florida Notice of Acceptance (NOA).
    1. PREINSTALLATION MEETINGS

Specifier Notes: Edit the Preinstallation Meetings article as required for the Project. Delete article if not required.

* + - 1. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of sloped roof ventilation.
      2. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, installer, and manufacturer’s representative.
      3. Review the Following:
         1. Materials.
         2. Installation.
         3. Adjusting.
         4. Cleaning.
         5. Protection.
         6. Coordination with other Work.
    1. SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

* + - 1. Comply with Division 01.
      2. Product Data: Submit manufacturer’s product data, including installation instructions.
      3. Shop Drawings: Submit manufacturer’s shop drawings, including plans, elevations, sections, and details, indicating dimensions, materials, components, fasteners, finish, and accessories.
      4. Samples: Submit manufacturer’s sample of sloped roof ventilation.
         1. Sample Length: Minimum 5-1/2 inches (140 mm).
      5. Color Samples: Submit manufacturer’s color samples of sloped roof ventilation, consisting of complete color chart representing manufacturer’s full range of available colors.

Specifier Notes: Include the following sentence as required for the Project. Delete if not required.

* + - * 1. Submit metal chips of specific colors as requested by the Architect.
      1. Manufacturer’s Certification: Submit manufacturer’s certification that sloped roof ventilation complies with specified requirements and is suitable for intended application.
      2. Warranty Documentation: Submit manufacturer’s standard warranty.
    1. QUALITY ASSURANCE
       1. Manufacturer’s Qualifications: Manufacturer regularly engaged in the manufacturing of sloped roof ventilation of similar type to that specified for a minimum of 10 years.
       2. Installer's Qualifications:
          1. Installer regularly engaged in installation of sloped roof ventilation of similar type to that specified for a minimum of 5 years.
          2. Use persons trained for installation of sloped roof ventilation of similar type to that specified following manufacturer’s installation instructions.
       3. Testing: Meet specified testing requirements.
    2. DELIVERY, STORAGE, AND HANDLING
       1. Delivery Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging.
       2. Storage and Handling Requirements:
          1. Store and handle sloped roof ventilation in accordance with manufacturer’s instructions.
          2. Inspect and report damage or other issues to manufacturer within 72 hours of receipt of materials.
          3. Keep sloped roof ventilation in manufacturer’s original, unopened containers and packaging until installation.
          4. Store sloped roof ventilation in clean, dry area indoors.
          5. Do not store sloped roof ventilation directly on floor or ground.
          6. Protect sloped roof ventilation and finish during storage, handling, and installation to prevent damage.
    3. WARRANTY

Specifier Notes: Include warranty period for the sloped roof ventilation and finish specified. Edit the following as required for the Project.

In addition to the limited 30-year finish warranty, other finish warranty periods are available. Consult Metal-Era, Inc. for warranty period information for custom post-coated Kynar 500 colors and for anodized finishes.

* + - 1. Warranty Period, Product:
         1. Metal-Era “Hi-Perf” Ventilation Systems: 20 years or lifetime of roof on which it was originally installed, whichever comes first, and when intake and exhaust ventilation is designed by manufacturer as a complete system.

Wind: Maximum 130 mph.

* + - * 1. Other Products: Five-year workmanship warranty covering replacement or repair of products that are defective in material or workmanship.
      1. Warranty Period, Finish: Limited 30-year warranty for prefinished coil-coated steel and aluminum coated with Kynar 500 standard colors covering fade, chalk, and film integrity.
  1. PRODUCTS
     1. MANUFACTURERS
        1. Manufacturer: Metal-Era, Inc., 1600 Airport Road, Waukesha, Wisconsin 53188. Phone 800-558-2162. Fax 800-373-9156. [www.metalera.com](http://www.metalera.com). info@metalera.com.

Specifier Notes: Specify if substitutions will be permitted.

* + - 1. Substitutions: [Not permitted] [Comply with Division 01].

Specifier Notes: Specify Metal-Era, Inc. sloped roof ventilation as required for the Project. Delete materials not required.

Consult Metal-Era, Inc. for custom capabilities.

* + 1. RIDGE VENTS
       1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, slope-to-slope, shingled version.
          1. Water Infiltration Test, TAS 100 (A): Passed.

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - * 1. Continuous Z-Brackets, Intermittent Spacers, and Expanded Metal Support Screens: Factory assembled.
      1. Ridge Vents: Metal-Era “Hi-Perf” high-velocity ridge vent, slope-to-slope, shingled version with deflectors.
         1. Water Infiltration Test, TAS 100 (A): Passed.
         2. Approval: Miami-Dade County, Florida Notice of Acceptance (NOA).

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - * 1. Continuous Z-Brackets, Intermittent Spacers, and Expanded Metal Support Screens: Factory assembled.
      1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, slope-to-slope, standing seam version.

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, slope-to-slope, shingled, field-roofed version.
         1. Concealed Splice Plates: At each joint, 6 inches (152 mm) wide.
         2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
         3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
         4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify drip edge material. Delete drip edge materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Drip Edge: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m).

Specifier Notes: Specify style of endcap inserts.

* + - * 1. Endcap Inserts: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, slope-to-slope, standing seam, field-roofed version.
         1. Concealed Splice Plates: At each joint, 6 inches (152 mm) wide.
         2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
         3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
         4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify drip edge material. Delete drip edge materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Drip Edge: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m).

Specifier Notes: Specify style of endcap inserts.

* + - * 1. Endcap Inserts: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, slope-to-slope, standing seam version, for high snow load conditions.

Specifier Notes: Specify ridge vent cover material. Delete cover material not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, sloped roof meets high wall version.

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, sloped roof meets vertical wall version.

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        4. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.
        5. Continuous Cleats: 22-gauge (0.85-mm) galvanized steel.
        6. Endcaps.

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Hi-Perf” ridge vent, sloped roof meets flat roof version.

Specifier Notes: Specify ridge vent cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Ridge Vent Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        3. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.
        4. Waterdam: 24-gauge (0.65-mm) galvanized steel.
        5. Endcaps.

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + - 1. Ridge Vents: Metal-Era “Eco-Perf” ridge vent, slope-to-slope, shingled, field-roofed version.
         1. Field adjustable for roof pitches 3/12 to 12/12.
         2. For use with 7/16-inch (11-mm) plywood.
         3. Drip Edge: 24-gauge (0.65-mm) galvanized steel.

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

Specifier Notes: Specify color of drip edge.

Color: [Dark Bronze] [Medium Bronze] [Slate Gray].

* + - * 1. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        2. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        3. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.
        4. End Caps: Factory fabricated.

Specifier Notes: Specify width of opening.

* + - * 1. Opening: [2 inches (51 mm), NFA 24 sq in/lin ft] [3 inches (76 mm), NFA 36 sq in/lin ft].
        2. Continuous Z-Brackets, Intermittent Spacers, and Expanded Metal Support Screens: Factory assembled.
    1. DUAL VENTS
       1. Dual Vents: Metal-Era “Hi-Perf” dual vent, shingled version on slope.

Specifier Notes: Specify cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Cover Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Cover Plates: 8 inches (203 mm) wide.
        2. Concealed Splice Plates: At each joint, 8 inches (203 mm) wide.
        3. Continuous Z-Brackets: 20-gauge (0.91-mm) galvanized steel.
        4. Intermittent Spacers: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        5. Expanded Metal Support Screens: 0.050-inch (1.27-mm) aluminum.

Specifier Notes: Specify style of endcaps.

* + - * 1. Endcaps: [Style A] [Style B].

Specifier Notes: Deflectors are required if roof pitch is less than 4/12.

* + - * 1. Deflectors:

Roof Pitch: Less than 4/12.

Formed Lengths: 12’-0” (3.65 m).

Deflector Baffles: At deflector joints, 3-1/2 inches (89 mm) wide.

* + 1. TRUSS VENTS
       1. Truss Vents: Metal-Era “Eco-Perf” truss vent.
          1. Perforated Closure: 24-gauge (0.65-mm) galvanized steel.

Net Free Area (NFA): 54 percent.

Specifier Notes: Specify width of perforated closure. Consult Metal-Era, Inc. for information regarding other widths.

Width: [2 inches (51 mm), NFA 12 sq in/lin ft] [3 inches (76 mm), NFA 18 sq in/lin ft] [4 inches (102 mm), NFA 24 sq in/lin ft] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color of perforated closure.

Color: [Bone White] [Dark Bronze] [Sandstone] [Slate Gray].

* + - * 1. Mounting Brackets: 24-gauge (0.65-mm) galvanized steel.

Adjustable between chosen range.

Specifier Notes: Specify length range.

* + - * 1. Length Range: [14 inches to 20 inches (356 mm to 508 mm)] [20 inches to 28 inches (508 mm to 711 mm)] [28 inches to 40 inches (711 mm to 1.02 m)] [40 inches to 58 inches (1.02 m to 1.47 m)].
    1. VENTED FASCIAE
       1. Vented Fasciae: Metal-Era “Hi-Perf” vented fascia, vented-nailbase version.

Specifier Notes: Specify fascia cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Fascia Cover Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Concealed Splice Plates: At each joint, 8 inches (203 mm) wide.
        2. Vertical Z-Brackets: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        3. Backer: 24-gauge (0.65-mm) galvanized steel.

Factory assembled to vertical Z-brackets and continuous roof flange.

* + - * 1. Perforated Closures: 24-gauge (0.65-mm) galvanized steel.

Net Free Area: 54 percent.

Specifier Notes: Specify color of perforated closures.

Color: [Bone White] [Dark Bronze] [Sandstone] [Slate Gray].

* + - * 1. Continuous Roof Flange: 24-gauge (0.65-mm) galvanized steel.

Specifier Notes: Specify top of nailbase to bottom of fascia dimension. Consult Metal-Era, Inc. for information regarding other dimensions.

* + - * 1. Top of Nailbase to Bottom of Fascia: [6-inch (152-mm) coverage] [8-inch (203-mm) coverage] [10-inch (254-mm) coverage] [12-inch (305-mm) coverage] [14-inch (357-mm) coverage] [16-inch (406-mm) coverage] [\_\_\_\_\_\_\_\_\_\_\_\_].
      1. Vented Fasciae: Metal-Era “Hi-Perf” vented fascia, attic-vented version.

Specifier Notes: Specify fascia cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Fascia Cover Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Concealed Splice Plates: At each joint, 8 inches (203 mm) wide.
        2. Vertical Z-Brackets: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        3. Backer: 24-gauge (0.65-mm) galvanized steel.

Factory assembled to vertical Z-brackets and continuous roof flange.

* + - * 1. Perforated Closures: 24-gauge (0.65-mm) galvanized steel.

Net Free Area: 54 percent.

Specifier Notes: Specify color of perforated closures.

Color: [Bone White] [Dark Bronze] [Sandstone] [Slate Gray].

* + - * 1. Continuous Roof Flange: 24-gauge (0.65-mm) galvanized steel.

Specifier Notes: Specify top of sheathing to bottom of fascia dimension. Consult Metal-Era, Inc. for information regarding other dimensions.

* + - * 1. Top of Sheathing to Bottom of Fascia: [6-inch (152-mm) coverage] [8-inch (203-mm) coverage] [10-inch (254-mm) coverage] [12-inch (305-mm) coverage] [14-inch (357-mm) coverage] [16-inch (406-mm) coverage] [\_\_\_\_\_\_\_\_\_\_\_\_].
      1. Vented Fasciae: Metal-Era “Eco-Perf” vented fascia, for vented nailbase and attic-vented applications.
         1. Face Height: 3-3/4 inches (95 mm).
         2. Roof Flange: 24-gauge (0.65-mm) galvanized steel.

Roof Pitch: 2/12 to 12/12.

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Perforated Closure: 24-gauge (0.65-mm) galvanized steel.

Net Free Area (NFA): 54 percent.

Specifier Notes: Specify width of perforated closure.

Width: [2 inches (51 mm), NFA 12 sq in/lin ft] [3 inches (76 mm), NFA 18 sq in/lin ft].

Specifier Notes: Specify color of perforated closure.

Color: [Bone White] [Dark Bronze].

* + - * 1. Vertical Z-Brackets: Factory installed, 12 inches (305 mm) on center.
        2. Backer: 24-gauge (0.65-mm) galvanized steel.
    1. RAKE FASCIAE
       1. Rake Fasciae: Metal-Era “Hi-Perf” rake fascia, with vertical Z-brackets.

Specifier Notes: Specify fascia cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Fascia Cover Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Concealed Splice Plates: At each joint, 8 inches (203 mm) wide.
        2. Vertical Z-Brackets: 0.050-inch (1.27-mm) aluminum, 12 inches (305 mm) on center.
        3. Backer: 24-gauge (0.65-mm) galvanized steel.

Factory assembled to vertical Z-brackets and continuous roof flange.

* + - * 1. Closure Plates: 24-gauge (0.65-mm) galvanized steel.

Specifier Notes: Specify color of closure plates. Consult Metal-Era, Inc. for information regarding other colors.

Color: [Bone White] [Dark Bronze] [Sandstone] [Slate Gray] [\_\_\_\_\_\_\_\_\_\_\_\_].

* + - * 1. Continuous Roof Flange: 24-gauge (0.65-mm) galvanized steel.

Specifier Notes: Specify top of sheathing to bottom of fascia dimension. Consult Metal-Era, Inc. for information regarding other dimensions.

* + - * 1. Top of Sheathing to Bottom of Fascia: [6-inch (152-mm) coverage] [8-inch (203-mm) coverage] [10-inch (254-mm) coverage] [12-inch (305-mm) coverage] [14-inch (357-mm) coverage] [16-inch (406-mm) coverage] [\_\_\_\_\_\_\_\_\_\_\_\_].
    1. RAKE PANELS
       1. Rake Panels: Metal-Era “Hi-Perf” rake panel, without vertical Z-brackets.

Specifier Notes: Specify panel cover material. Delete cover materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Panel Cover Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Concealed Splice Plates: At each joint, 8 inches (203 mm) wide.
        2. Continuous Backer Cleats: 24-gauge (0.65-mm) galvanized steel.

Specifier Notes: Specify continuous backer cleat dimension. Consult Metal-Era, Inc. for information regarding other dimensions.

* + - * 1. Continuous Backer Cleats: [6-inch (152-mm) coverage] [8-inch (203-mm) coverage] [10-inch (254-mm) coverage] [12-inch (305-mm) coverage] [14-inch (357-mm) coverage] [16-inch (406-mm) coverage] [\_\_\_\_\_\_\_\_\_\_\_\_].
    1. DRIP EDGES
       1. Drip Edges: Metal-Era “D-Style” drip edge, eave-edge version.

Specifier Notes: Specify drip edge material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Drip Edge Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Slotted Fastening Holes: 6 inches (152 mm) on center.
        2. Concealed Splice Plates: 6 inches (152 mm) wide.
      1. Drip Edges: Metal-Era “D-Style” drip edge, rake-edge version.

Specifier Notes: Specify drip edge material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Drip Edge Material: [24-gauge (0.65-mm) galvanized steel] [22-gauge (0.81-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Formed Lengths: 12’-0” (3.65 m), with slotted fastening holes.

* + - * 1. Slotted Fastening Holes: 6 inches (152 mm) on center.
        2. Concealed Splice Plates: 6 inches (152 mm) wide.
    1. VENTED SCREENS
       1. Vented Screens: Metal-Era “Eco-Perf” vented screen, eave intake.

Specifier Notes: Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Vented Screens: [24-gauge (0.65-mm) galvanized steel] [\_\_\_\_\_\_\_\_\_\_\_\_].

Net Free Area (NFA): 54 percent.

Formed Lengths: 12’-0” (3.65 m).

Ends: Pre-notched.

Specifier Notes: Specify color.

Color: [Bone White] [Dark Bronze] [Sandstone] [Slate Gray].

* + 1. FINISHES

Specifier Notes: Specify finish for the materials. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each cover material and for information regarding other finishes.

* + - 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
    1. ACCESSORIES

Specifier Notes: Delete accessories not required.

* + - 1. Joint Sealants: Specified in Section 07 92 00.
      2. Fasteners: Appropriate for intended substrate.
  1. EXECUTION
     1. EXAMINATION
        1. Examine areas to receive sloped roof ventilation.
        2. Verify surfaces to support sloped roof ventilation are clean, dry, straight, secure, and of proper dimensions.
        3. Notify Architect of conditions that would adversely affect installation.
        4. Do not begin installation until unacceptable conditions are corrected.
     2. INSTALLATION
        1. Install sloped roof ventilation in accordance with manufacturer’s instructions at locations indicated on the Drawings.
        2. Remove protective vinyl film immediately before installation.
        3. Install sloped roof ventilation watertight.
        4. Install sloped roof ventilation to allow for thermal movement.
        5. Joint Sealants: Apply joint sealants in accordance with manufacturer’s instructions.
     3. ADJUSTING
        1. Repair minor damages to finish in accordance with manufacturer’s instructions and as approved by Architect.
        2. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.
     4. CLEANING
        1. Clean sloped roof ventilation promptly after installation in accordance with manufacturer’s instructions.
        2. Do not use harsh cleaning materials or methods that could damage finish.
     5. PROTECTION
        1. Protect installed sloped roof ventilation to ensure that, except for normal weathering, materials will be without damage or deterioration at time of Substantial Completion.

END OF SECTION