SECTION 07 40 00

METAL ROOF AND SIDING PANELS

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\*\* NOTE TO SPECIFIER \*\*Dimensional Metals Inc.; architectural metal roof and wall panel systems.  
This section is based on the products of Dimensional Metals Inc, which is located at:  
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Reynoldsburg, OH 43068  
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[{click Here}](http://www.arcat.com/arcatcos/cos9540/arc40520.html) for additional information.  
  
Since 1988, Dimensional Metals, Inc. (DMI) has specialized in the manufacturing of architectural metal roof and wall panel systems and fabricated architectural sheet metal for the construction industry. We are backed by more than 25 years of sheet metal fabrication experience, which helps us ensure the success of each project.  
  
The determining factor in the success of any sheet metal system is proper design and installation. Unique to our organization, is a level of product understanding and its application. This understanding provides design professionals, installing subcontractors, developers and owners the best value in metal roof and wall systems.  
  
At DMI, we utilize the most technologically advanced in-house CNC operated manufacturing equipment available, which provides complete control in the fabrication of our products.  
  
These operations provide finished components of the highest quality. Experienced production personnel use their fabrication capabilities to create "custom" hand-fabricated products. This combination of modern equipment and skilled personnel helps DMI provide a complete product line capable of tackling the most difficult design challenges.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Structural metal roof panels.
    2. Non-structural metal roof panels.
    3. Architectural metal soffit panels.
    4. Architectural metal wall panels.
    5. Zinc roof and wall panels.
    6. Solar standing seam metal roof panels.
    7. Gutters, underlayments, sealant for metal roofs, snow retention systems.
  1. RELATED SECTIONS

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

* + 1. Section 05 12 16 - Fabricated Fireproofed Steel Columns.
    2. Section 05 31 23 - Steel Roof Decking.
    3. Section 05 50 00 - Metal Fabrications.
    4. Section 06 10 00 - Rough Carpentry.
    5. Section 07 21 26 - Blown Insulation.
    6. Section 07 60 00 - Flashing and Sheet Metal.
    7. Section 07 90 00 - Joint Protection.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American Iron and Steel Institute (AISI), Specification for the Design of Cold-Formed Steel Structural Members (2008).
    2. American Institute of Steel Construction (AISC) Manual of Steel Construction (Current Edition).
    3. ASTM International (ASTM):
       1. ASTM A792 - Specification for Sheet Steel, Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
       2. ASTM E283 - Test Method for Rate of Air Leakage over Solid Substrate.
       3. ASTM E331 - Test Method for Rate of Water Penetration over Solid Substrate.
       4. ASTM E1680 - Test Method for Rate of Air Leakage over Open Framed Structure.
       5. ASTM E1646 - Test Method for Rate of Water Penetration over Open Framed Structure.
       6. ASTM E1592 - Standard Test Method for Structural Performance of Sheet Metal and Siding Systems by Uniform Static Air Pressure Difference.
       7. ASTM E 2140: Water Penetration - Standard Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head.
       8. ASTM E 1996/E 1886 - Large Missile Impact Test.
    4. Sheet Metal and Air Conditioning Contractors National Association (SMACNA):
       1. Architectural Sheet Metal Manual.
    5. Underwriters Laboratory (UL) Roofing Materials and Systems Directory:
       1. Roofing Materials and Systems Directory listings and classifications of Underwriter's Laboratory roofing construction assemblies.
  1. SYSTEM DESCRIPTION:
     1. The extent of each type of preformed metal roofing panel as indicated on the drawings shall include preformed metal roof panels, flashing required to weatherproof the system (ridge, hip, valley, cleat, eave, rake wall, rake edge, apron, inside corner, outside corner, gutter, downspout, drip sill, end wall, and other miscellaneous flashing), related accessories including but not limited to; underlayment, butyl tape, sealants used in conjunction with the roofing system, and necessary attachment hardware as required to meet the performance standards and complete the roofing system.
     2. Design Requirements:
        1. Continuous, one-piece, preformed, prefinished single length roof panels.
        2. Panels, clips, and other components required for specific project conditions.
        3. Manufacturer is responsible for providing evidence acceptable to Architect that manufacturer's specified roof system is capable of meeting thermal, wind uplift, and performance requirements specified.
     3. Thermal Movement:
        1. Complete metal roofing and flashing system shall be capable of withstanding expansion and contraction of components caused by changes in temperature without buckling, producing excess stress on structure, anchors or fasteners, or reducing performance ability.
        2. Interface between panel and expansion clip shall provide for applicable thermal movement in each direction along longitudinal direction.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Shop Drawings Submittals:
        1. Manufacturer of the metal roof system shall provide complete shop drawings.
        2. Shop drawings shall be submitted and returned as approved/approved as noted prior to the beginning of product production.
     3. Product Data Submittals:
        1. Submit manufacturer's detailed product literature including the system profile sheet, and system description including material base-sheet gauge, seam height, panel on-center, finish, and sealant as required.
        2. Submit manufacturer's installation guidelines of the specified product.
     4. Submit a sample of each type of roof panel profile and a color sample. In the case where custom color is specified, submit a custom color chip for written approval and a standard color product sample for finish system review.

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

* + - 1. Color Selection Samples: For each finish product specified, supply manufacturer's standard color chart with a minimum of 32 standard colors.
      2. Product Samples: For each product specified, provide a full width sample, associated clip (if required) and actual color chip of selected color.

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

* + 1. LEED Submittals for Sustainable Design Requirements:
       1. Product Test Reports for Credit SS 7.2 Heat Island Effect - Roof: For roof panels, indicating that panels comply with solar reflectance index requirement. Submit roof material's reflectance and emissivity values in addition to calculated SRI.
       2. Product Data for Credit MR 4.2 Recycled Content: Indicating percentages by weight of postconsumer and pre-consumer recycled content for products having recycled content.
          1. Include statement indicating costs for each product having recycled content.
       3. Documentation for Credit MR 5.2 Regional Materials: For materials showing locations and origin of material extracted, harvested or recovered, as well as manufactured within 500 miles of the project site.
          1. Include statement indicating product name, material manufacturer, total product cost, percentage of product, by weight that meets both the extraction and manufacturer criteria, distance between the project site and extraction/harvest/recovery site, and distance between the project site and the final manufacturing location.
  1. QUALITY ASSURANCE
     1. Qualification of the Product Manufacturer:
        1. Manufacturer shall be a company specializing in Architectural Sheet Metal Products with at least twenty (20) years experience. Listing as a prequalified manufacturer does not release manufacturer from providing complete, current and acceptable test data for each performance, thermal, and wind load requirement specified for specific profile proposed.
        2. Manufacturer shall operate a permanent, full-time, manufacturing facility where the metal roof panels are produced on fixed based multi-station roll forming machines that are included in the Underwriter's Laboratory field inspection services. These facilities shall be currently under inspection at least four times per year by Underwriter's Laboratory personnel to verify compliance with UL certification. Portable on-site roll formers may not be used unless roof panels exceed 90 feet (27.5 m) in length.
     2. Qualification of Installers:
        1. Competent and skilled sheet metal applicators familiar with Dimensional Metals Inc products, standard details and recommendations. Applicator shall have at least two year experience applying these types of materials with successful completion of projects with similar scope. Applicator shall be a manufacturer approved installer with company issued documentation for review.
        2. Installers shall be thoroughly trained and experienced in the necessary crafts and completely familiar with and comply with the recommendations and details of the manufacturer and the "Architectural Sheet Metal Manual" published by SMACNA.
        3. Installers shall follow the manufacturers' installation details without exception unless written authorization from the manufacturer and architect are provided on an installation detail revision. Detail revision authorization shall be made in advance of product installation.

\*\* 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:
       1. The first 20 panels installed shall serve as a mock-up for A/E's approval of appearance. The sample area, when approved by A/E and Owner, shall become the project standard for appearance.
  1. PRE-INSTALLATION MEETINGS
     1. Convene minimum two weeks prior to starting work of this section.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Deliver roof system components to project site in manufacturer's unopened original containers.
     2. Protect roof system components during shipment, storage, handling and erection from mechanical abuse, stains, discoloration and corrosion.
     3. Provide strippable plastic film on all painted surfaces between contact areas to prevent abrasion during shipping, storage and handling.
     4. Store materials off the ground, providing for drainage, under protective cover which allows for air circulation and protection from foreign material contamination, mechanical damage, cement, lime, or other corrosive materials.
     5. Handle materials to prevent damage to surfaces, edges and ends of roofing components. Damaged material shall be rejected and removed from site.
     6. Examine materials upon delivery to jobsite. Reject and remove physically damaged, stained or marred material from project site.
     7. Metal roof components with strippable film shall not be stored with exposure to direct sunlight.
     8. Stack material to prevent damage and allow for adequate ventilation and drainage.
  3. PROJECT CONDITIONS
     1. Determine that work of other trades will not hamper or conflict with necessary fabrication and storage requirements for preformed metal roofing system.
     2. Protection:
        1. Provide protection or avoid traffic on completed roof surfaces.
        2. Do not overload roof with stored materials.
        3. Support no roof-mounted equipment directly on roofing system.
  4. SEQUENCING
     1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
     2. Determine Work of other trades that penetrates the roof is coordinated by location, in place, and accepted prior to installation of roofing system.

\*\* NOTE TO SPECIFIER \*\* Dimensional Metals roof and wall panel systems we manufacture will perform as designed, protecting your building from the elements year after year. We are proud to offer three different types of warranties that demonstrate our commitment to the building owner. In order to qualify for a watertightness warranty, the installing contractor must comply with stringent DMI specifications to ensure a quality installation and long lasting in service performance.

* 1. WARRANTY

\*\* NOTE TO SPECIFIER \*\* Finish warranty available for PVDF finished aluminum and steel only. Delete if not required.

* + 1. Furnish manufacturer's Non-prorated Twenty Year Finish Warranty stating that the architectural fluorocarbon coating will:
       1. Not crack, chip, peel or exhibit any other mechanical failure of paint to adhere to the substrate.
       2. Not exhibit fading or color change in excess of five hunter delta E units as determined by ASTM D2244-79.
       3. Not chalk in excess of a numerical rating of eight as determined by ASTM D4214-98.

\*\* NOTE TO SPECIFIER \*\* Substrate warranty available for Galvalume coated base sheet only. Delete if not required.

* + 1. Substrate Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal roof panel assemblies that fail in materials or workmanship within specified warranty period:
       1. Failures include, but are not limited to, the following:
          1. Structural failures, including rupturing, cracking, or penetrating.
          2. Deterioration of metals and other materials beyond normal weathering.
       2. Warranty Period: 20 years, 6 months from Substantial Completion.

\*\* NOTE TO SPECIFIER \*\* Contact DMI to verify your project will qualify for a Watertight Warranty. NAIL-STRIP NS10 or NS 15 are not eligible for a watertight warranty. Rheinzink Roof and Wall Panels are not eligible for any warranties.

* + 1. Furnish Manufacturer's Standard Metal Roofing System Water Tightness Warranty:
       1. Warranty shall include all items supplied by manufacturer, including but not limited to insulation, felt underlayment, ice and water underlayment, vapor barrier, fasteners, trims, curb flashings and pipe flashings.
          1. Warranties that hold installing contractor liable past initial 24 month period will not be acceptable.

\*\* NOTE TO SPECIFIER \*\* Select one of the following three warranty periods.

* + - 1. Warranty Period of five years after the date of substantial completion.
      2. Warranty Period of ten years after the date of substantial completion.
      3. Warranty Period of twenty years after the date of substantial completion.

\*\* NOTE TO SPECIFIER \*\* Select one of the following two warranty types. Full contract amount or No Dollar Limit (NDL).

* + - 1. The manufacturer's liability under the warranty shall be limited to the dollar amount of the original materials furnished by the manufacturer and the installation of those materials.
      2. Warranty shall be No Dollar Limit (NDL).
      3. Warranty coverage by the manufacturer shall not be pro-rated during the life of the warranty.
      4. Warranty shall include all materials supplied by manufacturer including but not limited to insulation, synthetic underlayment, ice and water underlayment, vapor barrier, sealant and fasteners.
      5. Warranty shall be signed by the manufacturer of the metal roof system and his authorized installer, agreeing at their option to replace or repair defective materials and workmanship as required maintaining the metal roof system in watertight condition.
      6. Warranty shall not exclude any conditions such as flashing, valleys, penetrations, domes, tapered roof panels, ridge vents and curb flashings that are an integral part of the roof system.
      7. Shop drawings shall be completed by manufacturer and approved by A/E prior to installation as a condition of the warranty. Contractor produced drawings will not be acceptable.
      8. The manufacturer of the metal roof system shall review installation details and perform a minimum of two on-site inspections by manufacturer employed inspector as required to certify proper watertight roofing material installation. Inspections by sales personnel will not be acceptable.
    1. Furnish Manufacturer's Standard Wall Panel System Water Tightness Warranty:
       1. Warranty shall cover the manufacturers wall panels and the installers workmanship
          1. Warranties that hold installing contractor liable past initial 24 month period will not be acceptable

\*\* NOTE TO SPECIFIER \*\* Select one of the following three warranty periods.

* + - 1. Warranty Period of five years after the date of substantial completion.
      2. Warranty Period of ten years after the date of substantial completion.
      3. Warranty Period of twenty years after the date of substantial completion.
      4. Manufacturer's Warranty Liability: Limited to the dollar amount of original materials furnished by manufacturer and installation of those materials.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Dimensional Metals Inc., which is located at: 58 Klema Dr. N.; Reynoldsburg, OH 43068; Toll Free Tel: 800-828-1510; Tel: 740-927-3633; Fax: 740-927-3319; Email: [info@dmimetals.com](mailto:info@dmimetals.com?subject=RE:ARCAT%20Spec%20Question%20(07400dmi):%20%20); Web: <http://dmimetals.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 01 60 00.
  1. SHEET MATERlALS - GENERAL

\*\* NOTE TO SPECIFIER \*\* For Acrylume finish. Delete if not required.

* + 1. Base sheet material shall be Galvalume AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel meeting ASTM A792.

\*\* NOTE TO SPECIFIER \*\* For PVDF finish. Delete if not required.

* + 1. Prefinished base sheet material shall be Galvalume Aluminum-Zinc (AZ50) Alloy Coated Steel Grade C meeting ASTM A792.
    2. Finish: 70 percent PVDF fluorocarbon coating, applied on a continuous coil coating line. Top side dry film thickness of 1.1 plus or minus 0.01 mil dry film thickness. On reverse side, a wash coat and primer, .04 plus or minus .01 mil dry film thickness.

\*\* NOTE TO SPECIFIER \*\* Delete if acrylume is selected above

* + - 1. Galvalume DynaClad: Aluminum-zinc alloy coated (55 percent aluminum, 43.4 percent zinc, 1.6 percent silicon, nominal percentage by weight) carbon steel of commercial weight meeting ASTM 792.
      2. HDG90 DynaClad: Hot-dipped galvanized steel base sheet of commercial weight (AISI G90 designation) meeting ASTM A653.
      3. Aluminum DynaClad: 3105 H14 alloy aluminum base sheet of commercial weight meeting ASTM B209.
    1. Finish color shall be selected by the Architect from the manufacturer's standard colors and metallic finishes. Unless otherwise noted all products shall be of the same finish and color.
    2. Strippable film shall be applied to the topside of the painted coil to protect the finish during fabrication, shipping and field handling. This strippable film shall be removed during installation.
  1. METAL ROOFING SYSTEMS - GENERAL
     1. Standing seams shall incorporate a continuous engineered interlocking connection with concealed anchor clips.

\*\* NOTE TO SPECIFIER \*\* Select for mechanically seamed panels.

* + 1. Standing seams shall incorporate a continuous mechanically seamed connection with concealed anchor clips.
    2. Standing seams shall contain factory injected non-curing sealant that runs continuously throughout the panel length as job conditions dictate.
    3. Panel clips shall be as recommended by the manufacturer to meet the performance criteria of this specification.
    4. All exposed adjacent flashing shall be of the same material and finish as the roof panels.
    5. Fasteners:
       1. Exposed screw fasteners shall be 300 series alloy stainless steel with integrally bonded neoprene washers or Zinc Aluminum Cast head covers with integral neoprene gaskets. Exposed fasteners shall be pre-painted to match roof.
       2. Exposed pop rivets shall be stainless steel, rivet and mandrel, type No. 44 - 1/8 inch (3 mm) diameter 1/4 inch (6 mm) grip range minimum. Exposed pop rivets shall be pre-painted to match the metal roof system.
       3. Concealed fasteners for anchor clips shall be No. 14-13 pancake head No. 2 square drive as required to meet the performance criteria in this specification.
       4. Concealed fasteners for flashing attachment shall be No. 10-13 by 1 inch (25 mm) or No. 10-16 by 1 inch (25 mm) long truss head No. 2 square drive screw.
       5. There shall be no exposed fasteners except to fasten flashing at fixing points, or for panel attachment as dictated by warranty requirements for longitudinal thermal expansion and contraction, or as indicated on the shop drawings.
  1. METAL ROOFING SYSTEMS - FABRICATI0N
     1. Panels shall be fabricated on fixed base machines located within a permanent fabrication facility in continuous lengths as required. No horizontal end lap joints will be accepted, unless panels exceed 90 feet (27.5 m) in length or jobsite conditions dictate.
     2. Panel design shall incorporate concealed clips and fasteners. Exposed fasteners in roofing panels will not be accepted unless indicated on shop drawings.
     3. Standing seam design shall prevent water infiltration by utilizing a capillary break or continuous non-curing sealant to prevent siphoning.
     4. Fabricate roofing and related sheet metal work in accordance with approved shop drawings and applicable standards set forth in the Sheet Metal and Air Conditioning Contractors National Association - Architectural Sheet Metal Manual (seventh edition, 2012).
     5. Roofing and sheet metal flashing shall be fabricated in minimum 10 feet (3048 mm) lengths except as noted otherwise. Flashing shall have a minimum 3/4 inch (19 mm) hemmed edges in exposed locations. Provide field fabricated miters for components that change direction on the project.

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

* + 1. Gutters shall be in continuous lengths up to 50 feet (15.25 m). Expansion joints shall be provided to avoid lapped gutter joints.
  1. STRUCTURAL METAL ROOF PANELS

\*\* NOTE TO SPECIFIER \*\*TEE-LOCK (TL25) is a structural panel which is mechanically seamed during installation. The panel is a non-directional system by design which installs in two directions from a given starting point. TEE-LOCK provides installers more control during installation over seam layout and allows symmetry of the panel area. The one piece clip allows for unlimited expansion and contraction.

* + 1. Product: TEE-LOCK TL25 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL580 class 90 rated assembly.
          2. ASTM E 1592: Static Air Pressure Difference.
          3. ASTM E 1996: Impact Resistance.
          4. ASTM E 1680: Air Leakage Test.
          5. ASTM E 1646: Water Penetration.
          6. ASTM E 2140: Water Penetration.
       2. Seam Height: 2-1/2 inches (64 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model TL2512. 12 inches (305 mm).
      2. Seam On-Center: Model TL2516. 16 inches (406 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* SPAN-LOCK SL25 is a structural panel which is mechanically seamed during installation. The panel is an integral interlocking system by design which installs in one direction from a given starting point. SPAN-LOCK is a very flexible panel design which works well with a wide range of building designs. Three different clips are available: Low Floating, High Floating, and Fixed.

* + 1. Product: SPAN-LOCK SL25 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90.580 Class 90 rated assembly.
          2. ASTM E 1592: Static Air Pressure Difference.
          3. ASTM E 1680: Air Leakage Test.
          4. ASTM E 1646: Water Penetration.
       2. Seam Height: 2-1/2 inches (64 mm).

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

* + - 1. Seam On-Center: Model SL2512. 12 inches (305 mm).
      2. Seam On-Center: Model SL2516. 16 inches (406 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color:Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* SPAN-LOCK SL20 is a structural panel which is mechanically seamed during installation. The panel is an integral interlocking system by design which installs in one direction from a given starting point. Two different clips are available: Low floating and Fixed.

* + 1. Product: SPAN-LOCK SL20 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90.580 class 90 rated assembly
          2. ASTM E 1592: Static Air Pressure Difference.
          3. ASTM E 1646: Water Penetration.
          4. ASTM E 1680: Air Leakage Test.
          5. ASTM E 2140: Water Penetration.
          6. UL 221: Impact Resistance of Prepared Roof Coverings.
       2. Seam Height: 2 inches (51 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model SL2012. 12 inches (305 mm).
      2. Seam On-Center: Model SL2016. 16 inches (406 mm).
      3. Seam On-Center: Model SL2018. 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* CURVED-RADIUS DOUBLE-LOCK DL15 is a structural panel which is mechanically seamed during installation. The product is an integral interlocking system by design. Panels install in one direction from a given starting point. CURVED-RADIUS DOUBLE-LOCK is easy to install on a variety of roof plan designs. Product uses include low to high slope barrel roofing.

* + 1. Product: CURVED-RADIUS DOUBLE-LOCK DL15 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 580 Class 90 rated assembly.
          2. ASTM E1592: Static Air Pressure Difference.
       2. Seam Height: 1.5 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and Aluminum metal materials apply to CRD1512, CRDL1517, and CRDL1520. Copper materials apply to CRDL1514 and CRDL1520. Delete model/seam on center options not required.

* + - 1. Seam On Center: Model CRDL1512. 12.5 inches (318 mm).
      2. Seam On Center: Model CRDL1514. 14 inches (318 mm).
      3. Seam On Center: Model CRDL1516. 15.7 inches (399 mm).
      4. Seam On Center: Model CRDL1517. 17 inches (432 mm).
      5. Seam On Center: Model CRDL1520. 20 inches (508 mm).
      6. Panel Radius: \_\_\_\_ft \_\_\_\_inches (\_\_\_\_ mm).
      7. Panel Radius: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Stiffeners are available for panels with radii greater than 27 feet (8230 mm). Panels with radii less than 27 feet (8230 mm) are only available in smooth profile. Delete the following paragraph is not required and delete panel profile options not required.

* + - 1. Stiffeners are required.
      2. Panel Profile: Smooth; standard.
      3. Panel Profile: Striated.
      4. Panel Profile: High bead.
      5. Panel Profile: Low bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.
      11. Material/Finish: 16 oz. copper.
      12. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* CURVED-RADIUS DOUBLE-LOCK DL20 is a structural panel which is mechanically seamed during installation. The product is an integral interlocking system by design. Panels install in one direction from a given starting point. CURVED-RADIUS DOUBLE-LOCK is easy to install on a variety of roof plan designs. Product uses include low to high slope barrel roofing.

* + 1. Product: CURVED-RADIUS DOUBLE-LOCK DL20 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 580 Class 90 rated assembly.
          2. ASTM E 1592: Static Air Pressure Difference.
       2. Seam Height: 2 inches (51 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and Aluminum materials apply to CRD2012, CRDL2016, and CRDL2018. Copper materials apply to CRDL2012 and CRDL2018. Delete model/seam on center options not required.

* + - 1. Seam On-Center: Model CR-DL2012. 12.5 inches (318 mm).
      2. Seam On-Center: Model CR-DL2018. 18 inches (457 mm).
      3. Seam On-Center: Model CR-DL2016. 16 inches (406 mm).
      4. Panel Radius: \_\_\_\_ft \_\_\_\_inches (\_\_\_\_ mm).
      5. Panel Radius: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Stiffeners are available for panels with radii greater than 27 feet (8230 mm). Panels with radii less than 27 feet (8230 mm) are only available in smooth profile. Delete the following paragraph if not required and delete panel profile options not required.

* + - 1. Stiffeners are required.
      2. Panel Profile: Smooth; standard.
      3. Panel Profile: Striated.
      4. Panel Profile: High bead.
      5. Panel Profile: Low bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.
      11. Material/Finish: 16 oz. copper.
      12. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* INTER-LOCK IL20 is a structural panel which is snapped together during installation. The panel is an integral interlocking system by design which installs in one direction from a given starting point. A double male\* starter panel is available and may be installed in the middle of a roof area to achieve a symmetrical layout. INTER-LOCK is a very flexible panel design which works well with a wide range of building designs.

* + 1. Product: INTER-LOCK IL20 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 580 class 90 rated assembly.
          2. ASTM E 1592: Static Air Pressure Difference.
          3. ASTM E 283: Air Leakage Test.
          4. ASTM E 331: Water Penetration.
       2. Seam Height: 1-3/4 inches (44 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model IL2012. 12 inches (305 mm).
      2. Seam On-Center: Model IL2016. 16 inches (406 mm).
      3. Seam On-Center: Model IL2018. 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Not for use with metallic paint finishes.

* + - 1. Provide Double Male panel where indicated to achieve symmetrical layout.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.
      11. Material/Finish: 16 oz. copper.
      12. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* The DOUBLE-LOCK series are structural panels which are mechanically seamed during installation. The panels are an integral interlocking system by design which installs in one direction from a given starting point. A double male\* starter panel is available and may be installed in the middle of a roof area to achieve a symmetrical layout. DOUBLE-LOCK utilizes the traditional SMACNA standing seam "double-lock" plate. Two different clips are available: Low Floating and Fixed.

* + 1. Product: DOUBLE-LOCK DL15 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 Class 90 rated assembly.
          2. ASTM E1592: Static Air Pressure Difference.
          3. ASTM E 1646: Water Penetration.
          4. ASTM E 1680: Air Leakage Test.
       2. Seam Height: 1.5 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and aluminum metals apply to models DL 1512, DL1517, and DL1520. The following models are available in copper: DL1514 and DL1520. Delete seam on-center models not required.

* + - 1. Seam On-Center: Model DL1512; 12 inches (305 mm).
      2. Seam On-Center: Model DL1514; 14 inches (356 mm).
      3. Seam On-Center: Model DL1517; 17 inches (432 mm).
      4. Seam On-Center: Model DL1520; 20 inches (508 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Double male panels cannot be used with metallic finishes.

* + - 1. Provide Double Male panel where indicated to achieve symmetrical layout.

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

* + - 1. Seam Profile: Single Lock.
      2. Seam Profile: Single lock with wide batten.
      3. Seam Profile: Double lock.

\*\* NOTE TO SPECIFIER \*\* Delete material/finish options not required. Double locked seam profile not available for 0.040 aluminum in DL15 profile.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      5. Material/Finish: 0.032 mill finished aluminum.
      6. Material/Finish: 0.040 mill finished aluminum.
      7. Material/Finish: 0.032 clear anodized aluminum.
      8. Material/Finish: 0.040 clear anodized aluminum.
      9. Material/Finish: 16 oz. copper.
      10. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
    1. Product: DOUBLE-LOCK DL20 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 Class 90 rated assembly.
          2. ASTM E1592: Static Air Pressure Difference.
          3. ASTM E 1646: Water Penetration.
          4. ASTM E 1680: Air Leakage Test.
       2. Seam Height 2.0 inches (51 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and Aluminum metal only. Delete model/seam on center not required.

* + - 1. Seam On-Center: Model DL2012: 12 inches (305 mm).
      2. Seam On-Center: Model DL2016: 16 inches (406 mm).
      3. Seam On-Center: Model DL2018: 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Double male panels cannot be used with metallic finishes.

* + - 1. Provide Double Male panel where indicated to achieve symmetrical layout.

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

* + - 1. Seam Profile: Single Lock.
      2. Seam Profile: Single lock with wide batten.
      3. Seam Profile: Double lock.

\*\* NOTE TO SPECIFIER \*\* Delete metal/finish options not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.
      11. Material/Finish: 16 oz. copper.
      12. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
    1. Product: DOUBLE-LOCK DL25 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 Class 90 rated assembly.
          2. ASTM E1592: Static Air Pressure Difference.
          3. ASTM E 1646: Water Penetration.
          4. ASTM E 1680: Air Leakage Test.
       2. Seam Height 2.5 inches (64 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and Aluminum metal only. Delete model/seam on center not required.

* + - 1. Seam On-Center: Model DL2516; 16 inches (406 mm).
      2. Seam On-Center: Model DL2512; 12 inches (305 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: High bead.
      3. Panel Profile: Low bead.
      4. Panel Profile: Smooth.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Double male panels cannot be used with metallic finishes.

* + - 1. Provide Double Male panel where indicated to achieve symmetrical layout.

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

* + - 1. Seam Profile: Single Lock.
      2. Seam Profile: Single lock with wide batten.
      3. Seam Profile: Double lock.

\*\* NOTE TO SPECIFIER \*\* Delete metal/finish options not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* TAPERED-SEAM Panels are custom fabricated in shapes as required to accommodate actual field conditions. TAPERED SEAM systems are typically used on conical shaped solid substrate roof areas with roof slopes as low as 2:12. The panel size at the base of the tapered panel may vary from 12 inches to 22 inches (305 mm to 559 m) in order to achieve a symmetrical panel layout. Consult DMI for additional information. Delete if not required.

* + 1. Provide Tapered-Seam Panels as manufactured by Dimensional Metals Inc. as indicated or required.
       1. TS-TL25 - Tapered Seam Tee-Lock.
       2. TS-SL20 - Tapered Seam Span-Lock.
       3. TS-SL25 - Tapered Seam Span-Lock.
       4. TS-DL15 - Tapered Seam Double-Lock. 1.5 inches (38 mm) seam height.
       5. TS-DL20 - Tapered Seam Double-Lock. 2.0 inches (51 mm) seam height.
       6. TS-DL25 - Tapered Seam Double-Lock. 2.5 inches (64 mm) seam height.
       7. TS-IL20 - Tapered Seam Inter-Lock.
       8. Panel Width: Will vary depending on roof layout. Panels to be continuous. Laps in tapered panels will not be acceptable.
       9. Panel Profile: Smooth.

\*\* NOTE TO SPECIFIER \*\* Delete material/finish options not required. 22 gauge materials are not available for TS-DL15.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.
      11. Material/Finish: 16 oz. copper.
      12. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
  1. NON-STRUCTURAL METAL ROOF PANELS

\*\* NOTE TO SPECIFIER SNAP-ON-SEAM is a non-structural engineered snap-together panel system. The system is designed with two components: the panel and the seam cover. SNAP-ON-SEAM is a non-directional panel system allowing installers more control during installation over seam layout and symmetry of the panel area. SNAP-ON-SEAM is the easiest panel system for complex roof designs.

* + 1. Product: SNAP-ON-SEAM SS10/15 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 580 class 90 rated assembly
          2. ASTM E 283: Air Leakage Test.
          3. ASTM E 331: Water Penetration.

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

* + - 1. Seam Height: 1 inch (25 mm). SS10.
      2. Seam Height: 1.5 inches (38 mm) SS15.

\*\* NOTE TO SPECIFIER \*\* Steel and aluminum metals apply to all models listed below. The following models are available in copper: SS1012, SS1016, SS1512, and SS1516. Delete seam on-center models not required.

* + - 1. Seam On-Center: Model SS1012; 11-5/8 inches (295 mm).
      2. Seam On-Center: Model SS1016; 16 inches (406 mm).
      3. Seam On-Center: Model SS1018; 18 inches (457 mm).
      4. Seam On-Center: Model SS1512; 11- 5/8 inches (295 mm).
      5. Seam On-Center: Model SS1516; 16 inches (406 mm).
      6. Seam On-Center: Model SS1518; 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: Smooth.
      3. Panel Profile: High bead.
      4. Panel Profile: Low bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.
      6. Material/Finish: 16 oz. copper.
      7. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* Curved Radius CR10 are a non-structural, curved snap on seam system. This system is designed with 2 components: the panel and the seam cap. CR10 is a non-directional system allowing installers more control during installation over seam layout and symmetry of panel area. CR10 panels may be either concave or convex curved. CR10 installs on curved roofs, barrel vaults and curved canopies.

* + 1. Product: CURVED-RADIUS CR-SS10 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. UL-90 580 class 90 rated assembly.
          2. ASTM E 283: Air Leakage Test.
          3. ASTM E 331: Water Penetration.
       2. Seam Height: 1 inch (25 mm).

\*\* NOTE TO SPECIFIER \*\* Steel and aluminum metals apply to all models listed below. The following models are available in copper: SS1012 and SS1016. Delete seam on-center models not required.

* + - 1. Seam On-Center: Model CR-SS1012; 11-5/8 inches (295 mm).
      2. Seam On-Center: Model CR-SS1016; 16 inches (406 mm).
      3. Seam On-Center: Model CR-SS1018; 18 inches (457 mm).
      4. Panel Radius: \_\_\_\_ft \_\_\_\_inches (\_\_\_\_ mm).
      5. Panel Radius: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Stiffeners available for panels with radii greater than 35 feet (10668 mm). For panels with Radii less than 35 feet (10668 mm), smooth panels are to be selected. Delete profile not required.

* + - 1. Stiffeners are required.
      2. Panel Profile: Smooth; standard.
      3. Panel Profile: Striated.
      4. Panel Profile: High Bead.
      5. Panel Profile: Low Bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.
      6. Material/Finish: 16 oz. copper.
      7. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
      35. Panels shall utilize a 5/8 inch to 7/8 inch (16 mm to 22 mm) high panel leg with a continuous interlocking groove for radii greater than 35 feet (10.7 m) For radii less than 35 feet (10.7 m), a lower leg height shall be provided to achieve the desired radius.

\*\* NOTE TO SPECIFIER \*\* BATTEN-SEAM BS15 is an advanced design non-structural snap-on- batten system. The system is designed with two components: the panel and the batten cap. BATTEN-SEAM BS15 is a non-directional panel system allowing installers more control during installation over batten layout and symmetry of the panel area. If a watertight warranty is required, select BS15 panel system with wide batten seam profile.

* + 1. Product: BATTEN-SEAM BS15 as manufactured by Dimensional Metals Inc.
       1. Seam Height: 1-1/2 inches (38 mm).
       2. Seam Width: 1-1/2 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model BS1512; 12 inches (305 mm).
      2. Seam On-Center: Model BS1515; 15 inches (381 mm).
      3. Seam On-Center: Model BS1518; 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: Smooth.
      3. Panel Profile: High bead.
      4. Panel Profile: Low bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.
      6. Material/Finish: 16 oz. copper.
      7. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc(tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* TAPERED-SEAM Panels are custom fabricated in shapes as required to accommodate actual field conditions. TAPERED SEAM systems are typically used on conical shaped solid substrate roof areas with roof slopes as low as 4:12. The panel size at the base of the tapered panel may vary from 12 inches to 22 inches (305 mm to 559 m) in order to achieve a symmetrical panel layout. Consult DMI for additional information. Delete if not required.

* + 1. Provide Tapered-Seam Panels as manufactured by Dimensional Metals Inc. as indicated or required.

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. TS-SS10 - Tapered Seam Snap-On-Seam: 1.0 inch (25 mm) seam height.
      2. TS-SS15 - Tapered Seam Snap-On-seam: 1.5 inches (38 mm) seam height.
      3. TS-BS15 - Tapered Seam Batten-Seam.
      4. Panel width: Varies depending on roof layout.
      5. Panels shall be continuous lengths. Splice joints on tapered panels will not be acceptable.

\*\* NOTE TO SPECIFIER \*\* Delete metal/finish option not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.
      6. Material/Finish: 16 oz. copper.
      7. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* Compound Curved Panels (CC10) are custom fabricated in shapes as required to accommodate actual field conditions. Compound Curved (CC10) systems are typically used on dome roof areas utilizing a solid substrate. The panel size at the base of the tapered panel may vary from 12 inches to 22 inches (305 mm to 559 m) in order to achieve a symmetrical panel layout. CC10 panels may be convex or concave. Consult DMI for additional information. Delete if not required.

* + 1. Provide Compound Curve Panels (CC10) as manufactured by Dimensional Metals Inc. as indicated or required.
       1. CC10 - compound curve, snap on seam.
       2. Width - 12 to 22 inches (305 mm to 559 mm) based upon roof layout.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.
      6. Material/Finish: 16 oz. copper.
      7. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* NAIL-STRIP NS10/15 is a non-structural panel which is snapped together during installation. The product is an integral interlocking system by design which installs in one direction from a given starting point. Nail-Strip works extremely well with basic residential applications. NAIL-STRIP NS10 or NS 15 are not eligible for a watertight warranty.

* + 1. Product: NAIL-STRIP NS10 & NS15 as manufactured by Dimensional Metals Inc.

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

* + - 1. Seam Height: Model NS10. 1 inch (25 mm).
      2. Seam Height: Model NS15. 1.5 inches (38 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model NS1012. 11-5/8 inches (295 mm).
      2. Seam On-Center: ModelNS1018. 18 inches (457 mm).
      3. Seam On-Center: Model NS1511. 10-5/8 inches (270 mm).
      4. Seam On-Center: Model NS1518. 18 inches (457 mm).

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

* + - 1. Panel Profile: Striated; standard.
      2. Panel Profile: Smooth.
      3. Panel Profile: High bead.
      4. Panel Profile: Low bead.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if Acrylume, Copper, Mill Finish or Clear Anodized substrate is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
  1. ARCHITECTURAL METAL SOFFIT PANELS

\*\* NOTE TO SPECIFIER \*\* V-GROOVE SOFFIT VS-05 is a commercial grade soffit panel system that provides a sturdy compliment to any roof system. The product is an integral interlocking system by design which installs in one direction from a given starting point.

* + 1. Product: V-GROOVE SOFFIT VS-05 as manufactured by Dimensional Metals Inc.
       1. Seam Height: 3/8 inch (9.5 mm).
       2. Seam On-Center: Model VS0512. 12 inches (305 mm).
       3. Panel Profile: Smooth with center V groove; standard.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Venting available for .032 aluminum only.

* + - 1. Venting Panel: Provide venting perforated panel where indicated or required. Material shall be 0.032 Aluminum with 7.5 percent net free area with perforations.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      3. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      4. Material/Finish: 0.032 mill finished aluminum.
      5. Material/Finish: 0.032 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if mill finish or clear anodized is selected above

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\*FLUSH-PANEL FP10 is a commercial grade soffit panel system that provides a flush, aesthetic appearance upon installation. The product is an integral interlocking system by design which installs in one direction from a given starting point.

* + 1. Product: FLUSH-PANEL FP10 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. ASTM E 283: Air Leakage Test.
          2. ASTM E 331: Water Penetration.
          3. ASTM E 1592: Static Air Pressure Difference.
       2. Seam Height: 1 inch (25 mm).

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model FP1008; 8 inches (203 mm).
      2. Seam On-Center: Model FP1012; 12 inches (305 mm).

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

* + - 1. Panel Profile: Smooth; standard.
      2. Panel Profile: 2 High beads.
      3. Panel Profile: 1 High bead.
      4. Panel Profile: 2 Low beads.
      5. Panel Profile: Striated.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Venting available for .032 aluminum only

* + - 1. Venting Panel: Provide venting perforated panel where indicated or required. Material shall be 0.032 Aluminum with 7.5 percent net free area with perforations.

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

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.032 mill finished aluminum.
      8. Material/Finish: 0.040 mill finished aluminum.
      9. Material/Finish: 0.032 clear anodized aluminum.
      10. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if acrylume, mill finished or clear anodized substrate is selected above

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
  1. ARCHITECTURAL METAL WALL PANELS

\*\* NOTE TO SPECIFIER \*\* HORIZONTAL WALL PANEL HWP is a single skin panel which can be used in a wide range of applications. The product is a directional system by design. The HWP series offers a very flexible panel design and works well for both new construction and retrofit applications. The wide range of profiles can be mixed and matched giving your building a distinct custom look. The anti-syphoning leg assures maximum water tightness protecting your building from the elements.

* + 1. Product: HORIZONTAL WALL PANEL HWP Series as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. ASTM E 331: Water Penetration.
          2. ASTM E 283: Air Leakage Test.

\*\* NOTE TO SPECIFIER \*\* Delete panel width not required. Multiple profiles/widths may be utilized on the same project

* + - 1. Exposed Panel Width: HWP\_12. 12 inches (305 mm) panel coverage.
      2. Exposed Panel Width: HWP\_16. 16 inches (406 mm) panel coverage.

\*\* NOTE TO SPECIFIER \*\* Delete HWP12 profile not required.

* + - 1. HWP12 Profile: HWPA12.
      2. HWP12 Profile: HWPB12.
      3. HWP12 Profile: HWPC12.
      4. HWP12 Profile: HWPH12.

\*\* NOTE TO SPECIFIER \*\* Delete HWP16 profile not required.

* + - 1. HWP16 Profile: HWPA16.
      2. HWP16 Profile: HWPC16.
      3. HWP16 Profile: HWPD16.
      4. HWP16 Profile: HWPE16.
      5. HWP16 Profile: HWPF16.
      6. HWP16 Profile: HWPG16.
      7. HWP16 Profile: HWPH16.

\*\* NOTE TO SPECIFIER \*\* Not all colors stocked in all substrates; see DMI Color Chart. Delete material/finish not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 20 Gauge HDG-90 Galvanized steel with DynaClad PVDF finish.
      4. Material/Finish: 18 Gauge HDG-90 Galvanized steel with DynaClad PVDF finish.
      5. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      6. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      7. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      8. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      9. Material/Finish: 0.050 Aluminum with DynaClad PVDF finish.
      10. Material/Finish: 0.032 mill finished aluminum.
      11. Material/Finish: 0.040 mill finished aluminum.
      12. Material/Finish: 0.050 mill finished aluminum.
      13. Material/Finish: 0.032 clear anodized aluminum.
      14. Material/Finish: 0.040 clear anodized aluminum.
      15. Material/Finish: 16 oz. copper.
      16. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required. Delete all if acrylume, mill finished, clear anodized or copper material/finish is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* FLUSH-PANEL SERIES (FP/FR) are skin panels which can be used in a wide range of applications. The product is a directional system by design. The Flush-Panel series is a very flexible panel design and works well for both new construction and retro-fit applications. The wide range of profiles can be mixed and matched giving your building a distinct custom look. The continuous fastening strip does not require a clip providing economical ease of installation as well as no exposed fasteners.

* + 1. Product: FLUSH PANEL FP/FR Series as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. ASTM E 283: Air Leakage Test.
          2. ASTM E 331: Water Penetration.
          3. ASTM E 1592: Static Air Pressure Difference.

\*\* NOTE TO SPECIFIER \*\* Embossing and various stiffener configurations available. Delete profile options not required.

* + - 1. Flush Panel Profile: FP1012. 12 inches (305 mm) panel coverage by 1 inch (25 mm) deep
      2. Flush Panel Profile: FP1008. 8 inches (203 mm) panel coverage by 1 inch (25 mm) deep
      3. Flush Panel Profile: FP1511. 11 inches (279 mm) panel coverage by 1-1/2 inches (38 mm) deep.
      4. Flush Reveal Panel Profile: FR1012. 11 inches (279 mm) wide flush panel with 1 inch wide reveal by 1 inch (25 mm) deep.
      5. Flush Reveal Panel Profile: FR1511. 11 inches (279 mm) wide panel coverage with 5.5 inches (140 mm) reveal as indicated by 1-1/2 inches (38 mm) deep.

\*\* NOTE TO SPECIFIER \*\* Not all colors stocked in all substrates, see DMI Color Chart. Delete material/finish not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 20 Gauge HDG-90 Galvanized steel with DynaClad PVDF finish.
      4. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      6. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      7. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      8. Material/Finish: 0.032 mill finished aluminum.
      9. Material/Finish: 0.040 mill finished aluminum.
      10. Material/Finish: 0.032 clear anodized aluminum.
      11. Material/Finish: 0.040 clear anodized aluminum.
      12. Material/Finish: 16 oz. copper.
      13. Material/Finish: 20 oz. copper.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required. Delete all if acrylume, mill finished, clear anodized or copper material/finish is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* 7.2 PANEL WP72 symmetrical design allows for versatility in applications while providing a clean industrial look. It is an exposed fastener panel fastener panel utilized for wall and roof applications. It has a 1-1/2 inches (38 mm) rib height at 7.2 inches (183 mm) o.c. and 36 inches (914 mm) of panel coverage with a purlin bearing leg.

* + 1. Product: 7.2 PANEL WP72 as manufactured by Dimensional Metals Inc.
       1. Performance Testing:
          1. ASTM E 283: Air Leakage Test.
          2. ASTM E 331: Water Penetration.
       2. Exposed Panel Width: 36 inches (914 mm) panel coverage.
       3. Profile: 1-1/2 inches (38 mm) rib height at 7.2 inches (183 mm) on center.

\*\* NOTE TO SPECIFIER \*\* Delete material/finish not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 20 Gauge HDG-90 Galvanized steel with DynaClad PVDF finish.
      4. Material/Finish: 18 Gauge HDG-90 Galvanized steel with DynaClad PVDF finish.
      5. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      6. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      7. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      8. Material/Finish: 0.040 Aluminum with DynaClad PVDF finish.
      9. Material/Finish: 0.050 Aluminum with DynaClad PVDF finish.
      10. Material/Finish: 0.032 mill finished aluminum.
      11. Material/Finish: 0.040 mill finished aluminum.
      12. Material/Finish: 0.050 mill finished aluminum.
      13. Material/Finish: 0.032 clear anodized aluminum.
      14. Material/Finish: 0.040 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required. Delete all if acrylume, mill finished, clear anodized or copper material/finish is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* WP72 may also be perforated for screen wall use. Various patterns are available. Below are the most common, please contact DMI if your project requires a pattern not listed below. Delete material/finish not required.

* + - 1. Perforated Panel Material/Finish: Stainless-Steel Face Sheet: ASTM A 666, architectural grade, 0.036 inch/20 gage (0.91 mm) nominal thickness, Type 304, bright, non-directional polish, No. 2B.
      2. Perforated Panel Material/Finish: Aluminum Face Sheet: Smooth surface coil-coated, ASTM B209, 3003-H14 alloy, 0.040 inch (1.0 mm) nominal thickness.

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

* + - 1. Pattern and Perforation: Staggered pattern, 3/8 inch (10 mm) perforations at 9/16 inch (14 mm) spacing, with 40 percent open area.
      2. Pattern and Perforation: Reverse pattern, 1/8 inch (3 mm) perforations at 3/8 inch (10 mm) spacing, with 10 percent open area.
      3. Pattern and Perforation: Staggered pattern, 1/8 inch (3 mm) perforations at 1/4 inch (6 mm) spacing, with 23 percent open area.
      4. Pattern and Perforation: Reverse pattern, 1/4 inch (6 mm) perforations at 1/2 inch (13 mm) spacing, with 23 percent open area.
      5. Pattern and Perforation: Staggered pattern, 1/8 inch (3 mm) perforations at 7/32 inch (6 mm) spacing, with 30 percent open area.

\*\* NOTE TO SPECIFIER \*\* R PANEL WPRP is an exposed fastener panel utilized for wall and roof applications. It has a 1-1/2 inches (38 mm) rib height at 12 inches (305 mm) o.c. and 36 inches (914 mm) of panel coverage with a purlin bearing leg.

* + 1. Product: R PANEL WPRP-WALL as manufactured by Dimensional Metals Inc.
       1. Performance Requirements
          1. ASTM E 283: Air Leakage Test.
          2. ASTM E 331: Water Penetration.
       2. Exposed Panel Width: 36 inches (914 mm) panel coverage.
       3. Profile: 1-1/2 inches (38 mm) rib height at 12 inches (305 mm) on center.

\*\* NOTE TO SPECIFIER \*\* Delete material/finish not required.

* + - 1. Material/Finish: 24 Gauge Galvalume with DynaClad PVDF finish.
      2. Material/Finish: 22 Gauge Galvalume with DynaClad PVDF finish.
      3. Material/Finish: 24 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      4. Material/Finish: 22 Gauge Acrylume; AZ55 Plus Clear Acrylic Coated Aluminum-Zinc Alloy Coated Steel.
      5. Material/Finish: 0.032 Aluminum with DynaClad PVDF finish.
      6. Material/Finish: 0.032 mill finished aluminum.
      7. Material/Finish: 0.032 clear anodized aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete colors options not required. Delete all if acrylume, mill finished or clear anodized material/finish is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc(tsr = .36 sri = 37).

\*\* NOTE TO SPECIFIER \*\* RHEINZINK is an architectural-grade zinc with unmatched longevity and elegant appearance, making it an ideal building material. It complies with the strictest environmental standards and is 100 percent recyclable. For over 40 years, RHEINZINK title 'sustainable' from 'cradle to grave' and can be recycled may times without the loss of its chemical or physical properties. RHEINZINK is available in PrePATINA bright rolled, PrePATINA blue-grey and PrePATINA graphite-grey. Rheinzink Roof and Wall Panels are not eligible for any warranties.

* 1. ZINC ROOF AND WALL PANELS

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

* + 1. Product: RHEINZINK Zinc Roof Applications as manufactured by Dimensional Metals Inc.

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

* + - 1. Seam Height: 1.0 inches - DL10.
      2. Seam Height: 1.5 inches - DL15.
      3. Seam Height: 2.0 inches - DL20.

\*\* NOTE TO SPECIFIER \*\* Delete model/seam on center not required.

* + - 1. Seam On-Center: Model DL1017. 16.7 inches (424 mm).
      2. Seam On-Center: Model DL1516. 15.7 inches (399 mm).
      3. Seam On-Center: Model DL2014. 14 inches (356 mm).
      4. Tapered-Seam Double Lock:
         1. DL10 - Maximum 16.7 inches (424 mm) width.
         2. DL15 - Maximum 15.7 inches (399 mm) width.
         3. DL20 - Maximum 14 inches (355 mm) width.
      5. Compound Curve Snap-On Seam:
         1. CC10 - Maximum width 17 inches (432 mm).
      6. Curved- Radius Double-Lock:
         1. CR-DL1516 - 1.5 inches (38 mm) seam height. 15.7 inches (399 mm) width.
         2. CR-DL2014 - 2.0 inches (51 mm) seam height. 14.7 inches (373 mm) width.

\*\* NOTE TO SPECIFIER \*\* The following two subparagraphs are optional. Delete if not required.

* + - 1. Structured Mat Underlayment: Provide Air-Z Structured Mat from Rheinzink under all zinc roofing applications per manufacturer shop drawings.
      2. Pre-Weathered Pro-Roofing: Backside coated with elastomeric finish as manufactured by PPG Industries
      3. Material:

\*\* NOTE TO SPECIFIER \*\* Delete surface appearance options not required. The PrePATINA blue-grey has been preweathered to give the look of aged zinc. The PrePATINA graphite-grey is a different alloy. A "black" zinc and metallurgically speaking, it is the only such alloy on the market. Both have a distinct look that will continue to patina and evolve in appearance as the material ages. Delete types not required.

* + - * 1. Surface Appearance for Wall Panels: PrePATINA blue-grey.
        2. Surface Appearance for Wall Panels: PrePATINA graphite-grey.
        3. Surface Appearance for Roof Panels: PrePATINA blue-grey w/pro-roofing backer.
        4. Surface Appearance for Roof Panels: PrePATINA graphite-grey w/pro-roofing backer.

\*\* NOTE TO SPECIFIER \*\* Delete material thickness options not required.

* + - * 1. Thickness: 24 Gauge (0.7 mm).
        2. Thickness: 22 Gauge (0.8 mm).

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

* + 1. Product: RHEINZINK Zinc Wall Applications as manufactured by Dimensional Metals Inc.

\*\* NOTE TO SPECIFIER \*\* Delete wall panel options if not required

* + - 1. Wall Panels: Horizontal (HWP) series.

\*\* NOTE TO SPECIFIER \*\* Delete exposed panel width option not required.

* + - * 1. Exposed Panel Width: HWP-12. 12 inches (305 mm) panel coverage.

\*\* NOTE TO SPECIFIER \*\* Delete HWP12 profile not required.

HWP12 Profile: HWPA12.

HWP12 Profile: HWPB12.

HWP12 Profile: HWPC12.

HWP12 Profile: HWPH12.

* + - * 1. Exposed Panel Width: HWP-16. 16 inches (406 mm) panel coverage.

\*\* NOTE TO SPECIFIER \*\* Delete HWP16 profile not required.

HWP16 Profile: HWPA16.

HWP16 Profile: HWPC16.

HWP16 Profile: HWPD16.

HWP16 Profile: HWPE16.

HWP16 Profile: HWPF16.

HWP16 Profile: HWPG16.

HWP16 Profile: HWPH16.

* + - * 1. Material:

\*\* NOTE TO SPECIFIER \*\* Delete surface appearance option not required. The PrePATINA blue-grey has been preweathered to give the look of aged zinc. The PrePATINA graphite-grey is a metallurgical "black" zinc alloy and the only such alloy on the market. Both have a distinct look that will continue to patina and evolve in appearance as the material ages.

Surface Appearance, Wall Panels: PrePATINA blue-grey.

Surface Appearance, Wall Panels: PrePATINA graphite-grey.

\*\* NOTE TO SPECIFIER \*\* Delete thickness option not required.

Thickness: 24 Gauge (0.7 mm).

Thickness: 22 Gauge (0.8 mm).

Thickness: 20 Gauge (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Delete panel profile options not required.

* + - * 1. Flush Panel Profile: FP1012. 12 inches (305 mm) panel coverage by 1 inch (25 mm) deep.
        2. Flush Panel Profile: FP1511. 11 inches (279 mm) panel coverage by 1-1/2 inches (38 mm) deep.
        3. Flush Reveal Panel Profile: FR1012. 11 inches (279 mm) wide flush panel with 1 inch wide reveal by 1 inch (25 mm) deep.
        4. Flush Reveal Panel Profile: FR1511. 11 inches (279 mm) wide panel coverage with 5.5 inches (140 mm) reveal as indicated by 1-1/2 inches (38 mm) deep.
      1. Wall Panels: Bermuda panels.
         1. Material:

\*\* NOTE TO SPECIFIER \*\* Delete surface appearance option not required. The PrePATINA blue-grey has been preweathered to give the look of aged zinc. The PrePATINA graphite-grey is a metallurgical "black" zinc alloy and the only such alloy on the market. Both have a distinct look that will continue to patina and evolve in appearance as the material ages.

Surface Appearance, Wall Panels: PrePATINA blue-grey.

Surface Appearance, Wall Panels: PrePATINA graphite-grey.

\*\* NOTE TO SPECIFIER \*\* Delete material thickness not required.

Thickness: 24 Gauge (0.7 mm).

Thickness: 22 Gauge (0.8 mm).

Thickness: 20 Gauge (1.0 mm).

* + - * 1. Panel Profile: 11 inches (279 mm) coverage with 1 inch (25 mm) butt joint. Stainless steel clips as required.
      1. Wall Panels: Flat lock.
         1. Material:

\*\* NOTE TO SPECIFIER \*\* Delete surface appearance option not required. The PrePATINA blue-grey has been preweathered to give the look of aged zinc. The PrePATINA graphite-grey is a metallurgical "black" zinc alloy and the only such alloy on the market. Both have a distinct look that will continue to patina and evolve in appearance as the material ages.

Surface Appearance, Wall Panels: PrePATINA blue-grey.

Surface Appearance, Wall Panels: PrePATINA graphite-grey.

\*\* NOTE TO SPECIFIER \*\* Delete material thickness not required.

Thickness: 24 Gauge (0.7 mm).

Thickness: 22 Gauge (0.8 mm).

Thickness: 20 Gauge (1.0 mm).

Thickness: 18 Gauge (1.2 mm).

\*\* NOTE TO SPECIFIER \*\* Delete panel profile options not required.

Panel Profile: Diamond.

\*\* NOTE TO SPECIFIER \*\* Delete diamond size options not required. Multiple sizes available. Please specify size, not to exceed 63 inches x 63 inches (1600 mm x 1600 mm).

Diamond Size (inch/mm): \_\_\_\_\_ x \_\_\_\_.

Diamond Size: As determined by the Architect.

Diamond Size: As detailed on the Drawings.

Stainless steel clips as required.

Panel Profile: Square.

\*\* NOTE TO SPECIFIER \*\* Delete square size options not required. Multiple sizes available. Please specify size, not to exceed 37.4 inches x 37.4 inches (950 mm x 950 mm).

Square Size (inch/mm): \_\_\_\_\_ x \_\_\_\_.

Square Size: As determined by the Architect.

Square Size: As detailed on the Drawings.

Stainless steel clips as required.

Panel Profile: Rectangular.

\*\* NOTE TO SPECIFIER \*\* Delete rectangular size options not required. Multiple sizes available. Please specify size, not to exceed 118 inches x 37.4 inches (3 m x 950 mm).

Rectangle Size (inch/mm): \_\_\_\_\_ x \_\_\_\_.

Rectangle Size: As determined by the Architect.

Rectangle Size: As detailed on the Drawings.

Stainless steel clips as required.

\*\* NOTE TO SPECIFIER \*\* The following two subparagraphs are optional. Delete if not required.

* + - * 1. Structured Mat Underlayment: Provide Air-Z Structured Mat from Rheinzink under all zinc roofing applications per manufacturer shop drawings.
        2. Pre-Weathered Pro-Roofing: Backside coated with elastomeric finish as manufactured by PPG Industries.

\*\* NOTE TO SPECIFIER \*\* Architects and building owners challenged our industry with five key essentials for a successful solar roofing product. Photovoltaics that are integrated into the roofing panel (BIPV). A complete, standardized solar roof system that includes all schematics and specifications for all electrical components. Product delivery and installation from a reputable standing seam roof manufacturer. ROI of 10 years or less. 20-year warranty.

* 1. SOLAR STANDING SEAM METAL ROOF PANELS
     1. Product: DynaClad Solar Standing Seam as manufactured by Dimensional Metals Inc.
        1. Standing Seam Metal Roof Manufacturer and Contractor shall be responsible for manufacturing and installing BIPV Standing Seam Roof Panel per Contract Documents.

\*\* NOTE TO SPECIFIER \*\* Delete system size not required.

* + - 1. System: 3 kW PV System.
      2. System: 5kW PV System.
      3. System: 10kW PV System.
      4. System: 15kW PV System.
      5. System: 30kw PV System.
      6. System: 60kW PV System.
      7. System: 120kW PV System.
    1. Electrical work shall be by Licensed Electrical Contractor.
       1. Related Sections - Section 48-14-00 Photovoltaic System.
       2. System shall include; solar array combiner box, Array DC disconnect switch, 3-Phase inverter system, Isolation transformer, AC circuit breaker/transfer switch.

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

* + - 1. Provide data acquisition system.
    1. BIPV Panels:
       1. Laminate Configuration: Photovoltaic laminate with potted terminal housing assembly with output cables and quick connect terminals.
       2. Qualification and Safety Certifications: Listed by Underwriters Laboratories and certified to UL 1703 standards for electrical and fire safety ratings. For use in systems up to 600 VDC.
          1. Class A: Maximum slope, 2/12.
          2. Class B: Maximum slope, 3/12.
          3. Class C: Unlimited Slope.

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

* + - 1. Product: Model XLS11-72.
         1. Rated Power (Pmax): 72W.
         2. Production Tolerance: plus or minus 10 percent.
      2. Product: Model XLS22-144.
         1. Rated Power (Pmax): 144W.
         2. Production Tolerance: plus or minus 10 percent.
    1. Roof Work:
       1. The Standing Seam Roof Manufacturer shall coordinate with the Architect on locations and appearance of all BIPV Standing Seam Panels and Ridge and/or Mid Roof cable trays. All locations shall be approved by the Architect prior to installation.
          1. Panel width shall be 16 inches (406 mm).

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

* + - * 1. Panel Profile: IL20 Inter-Lock Panel System.
        2. Panel Profile: DL15 Double-Lock Panel System.
        3. Panel Profile: DL20 Double-Lock Panel System.
        4. Panel Profile: SL20 Span-Lock Panel System.
        5. Panel Profile: SL25 Span-Lock Panel System.
        6. Panel Profile: SS10 Snap-on-seam Panel System.
        7. Panel Profile: SS15 Snap-on-seam Panel System.
        8. Panel Profile: TL25 Tee-Lock Panel System.
      1. Fall arrest protection per OSHA 1926 Subpart M shall be provided for all work on top of BIPV Standing Seam Roof and Standing Seam Contractor shall offer safe protection to Electrical Contractor to connect BIPV module connectors in the Ridge and / or Mid Roof cable trays.
      2. The Standing Seam Metal Roof Contractor shall notify the Contractor a minimum of 5 days before closing in of Ridge Cap and / or Mid Roof cable trays so the Electrical Contractor can be notified to complete wiring on roof.
    1. Warranty: The Standing Seam Roof Contractor shall provide a 20 year warranty on the electrical performance of the PV modules, and warrant that the BIPV Standing Seam Panels will be free from manufacturing defects.
  1. GUTTERS

\*\* NOTE TO SPECIFIER \*\* Continuous Gutter (CG) is a factory roll-formed gutter that can be produced in lengths up to 52'. DMI offers a full line of accessories including gutter straps, mitered corners, end caps, expansion joints, painted under gutter brackets, outlets, downspouts, downspout elbows, and downspout straps.

* + 1. Product: CONTINUOUS GUTTER as manufactured by Dimensional Metals Inc.

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

* + - 1. Profile: "SMACNA Style "D" style without flange.
      2. Profile: "SMACNA Style "D" style with 3 inch (76 mm) flange.

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

* + - 1. Width: 7 inches (178 mm).
      2. Width: 7-1/2 inches (190.5 mm).
      3. Width: 8 inches (203 mm).

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

* + - 1. Material: 24 gauge DynaClad PVDF Finish.
      2. Material: 22 gauge DynaClad PVDF Finish.
      3. Material: 20 gauge DynaClad PVDF Finish.
      4. Material: 0.032 aluminum DynaClad PVDF Finish.
      5. Material: 0.040 aluminum DynaClad PVDF Finish.
      6. Material: 20 oz. copper.
      7. Material: Rheinzink Zinc 24 gauge (0.7 mm).
      8. Material: Rheinzink Zinc 22 gauge (0.8 mm).

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if copper material is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28s sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
    1. Product: Box Gutter as manufactured by Dimensional Metals Inc.

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

* + - 1. Profile: A.
      2. Profile: D.
      3. Profile: F.
      4. Profile: G.
      5. Profile: H.
      6. Profile: I.
      7. Width (inch/mm): \_\_\_\_\_\_\_\_.

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

* + - 1. Material: 24 gauge steel.
      2. Material: 22 gauge steel.
      3. Material: 20 gauge steel.
      4. Material: Stainless steel 24 ga.
      5. Material: Stainless steel 22 ga.
      6. Material: 0.032 aluminum.
      7. Material: 0.040 aluminum
      8. Material: 20 oz. copper.
      9. Material: Rheinzink Zinc 24 gauge (0.7 mm).
      10. Material: Rheinzink Zinc 22 gauge (0.8 mm).
      11. Material: Rheinzink Zinc 20 gauge (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if copper material is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28 sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
    1. Product: Half Round Gutter as manufactured by Dimensional Metals Inc.
       1. Width: 5 inch (127 mm).
       2. Width: 6 inch (152 mm).
       3. Width: 7 inch (178 mm).
       4. Width: 8 inch (203 mm).
       5. Width: 9 inch (229 mm).
       6. Width: 10 inch (254 mm).

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

* + - 1. Material: 24 gauge steel.
      2. Material: 22 gauge steel.
      3. Material: 20 gauge steel.
      4. Material: Stainless steel 24 ga.
      5. Material: Stainless steel 22 ga.
      6. Material: 0.032 aluminum.
      7. Material: 0.040 aluminum
      8. Material: 20 oz. copper.
      9. Material: Rheinzink Zinc 24 gauge (0.7 mm).
      10. Material: Rheinzink Zinc 22 gauge (0.8 mm).
      11. Material: Rheinzink Zinc 20 gauge (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if copper material is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28 sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
      14. Color: Dynaclad Royal Blue (tsr = 28 sri = 27).
      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
      24. Color: Dynaclad Cobalt Blue (tsr = .23 sri = 20).
      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
    1. Product: K-Style Gutter as manufactured by Dimensional Metals Inc.
       1. Width: 5 inch (127 mm).
       2. Width: 6 inch (152 mm).
       3. Width: 7 inch (178 mm).
       4. Width: 8 inch (203 mm).
       5. Width: 9 inch (229 mm).
       6. Width: 10 inch (254 mm).

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

* + - 1. Material: 24 gauge steel.
      2. Material: 22 gauge steel.
      3. Material: 20 gauge steel.
      4. Material: Stainless steel 24 ga.
      5. Material: Stainless steel 22 ga.
      6. Material: 0.032 aluminum.
      7. Material: 0.040 aluminum.
      8. Material: 20 oz. copper.
      9. Material: Rheinzink Zinc 24 gauge (0.7 mm).
      10. Material: Rheinzink Zinc 22 gauge (0.8 mm).
      11. Material: Rheinzink Zinc 20 gauge (1.0 mm).

\*\* NOTE TO SPECIFIER \*\* Delete color not required. Delete all if copper material is selected above.

* + - 1. Color: As selected from manufacturer's standard material/finish colors.
      2. Color: Custom color as selected by Architect.
      3. Color: Dynaclad White (tsr = .70 sri = 85).
      4. Color: Dynaclad Putty (tsr = .64 sri = 77).
      5. Color: Dynaclad Sandstone (tsr = .64 sri = 77).
      6. Color: Dynaclad Beige (tsr = .47 sri = 53).
      7. Color: Dynaclad Seaport (tsr = .34 sri = 35).
      8. Color: Dynaclad Brown (tsr = .26 sri = 25).
      9. Color: Dynaclad Evergreen (tsr = .28 sri = 28).
      10. Color: Dynaclad Patina Copper (tsr = .51 sri = 58).
      11. Color: Dynaclad Terra Cotta (tsr = .40 sri = 43).
      12. Color: Dynaclad Spartan Bronze (tsr = .30 sri = 30).
      13. Color: Dynaclad Colonial Red (tsr = .33 sri = 34).
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      15. Color: Dynaclad Brite Red (tsr = .40 sri = 44).
      16. Color: Dynaclad Musket Grey (tsr = .33 sri = 35).
      17. Color: Dynaclad Charcoal Grey (tsr = .30 sri = 31).
      18. Color: Dynaclad Dark Bronze (tsr = .28 sri = 27).
      19. Color: Dynaclad Matte Black (tsr = .29 sri = 29).
      20. Color: Dynaclad Slate Grey (tsr = .42 sri = 47).
      21. Color: Dynaclad Slate Blue (tsr = .33 sri = 34).
      22. Color: Dynaclad Classic Bronze (tsr = .29 sri = 29).
      23. Color: Dynaclad Hemlock Green (tsr = .31 sri = 31).
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      25. Color: Dynaclad Dove Grey (tsr = .53 sri = 61).
      26. Color: Dynaclad Stone (tsr = .44 sri = 49).
      27. Color: Dynaclad Burgundy (tsr = .33 sri = 34).
      28. Color: Dynaclad Leaf Green (tsr = .31 sri = 31).
      29. Color: Dynaclad Hartford Green (tsr = .27 sri = 26).
      30. Color: Dynaclad Metallic Aged Copper (tsr = .40 sri = 43).
      31. Color: Dynaclad Metallic Silver (tsr = .49 sri = 53).
      32. Color: Dynaclad Metallic Champagne (tsr = 45 sri = 51).
      33. Color: Dynaclad Metallic Copper (tsr = .44 sri = 49).
      34. Color: Dynaclad Metallic Weathered Zinc (tsr = .36 sri = 37).
  1. UNDERLAYMENTS

\*\* NOTE TO SPECIFIER \*\* Polypropylene two-side coated fabric designed for roof underlayment. Containing a patent pending anti-skid coating. DynaClad Underlayment protects your roof from harmful UV rays and inclement weather conditions. It is non-absorbent so it prevents buckling and wrinkling unlike 30# felt. It can be exposed up to six months which makes it great for new construction or remodeling.

* + 1. Product: DynaClad Premium Roofing Underlayment as supplied by Dimensional Metals Inc.
       1. Fabric Specifications:
          1. Weave: Woven white PP scrim (UV stabilized).
          2. Coating: 1.5 mil/1.2 mil average (35/28 g/m2/side).
          3. Color: Gray.
          4. Weight: 4.30 oz/yd2 (146 g/m2) plus or minus 5 percent.
          5. Thickness: 10 mil (0.25 mm) ASTM D5199.
       2. Performance:
          1. Grab Tensile: Warp 133 lb (592 N): Weft 114 lb (507 N): ASTM D5034.
          2. Strip Tensile (N/5cm): Warp 94 lb/in (823): Weft 82 lb/in (718): ASTM D5035.
          3. Tensile Elongation: Warp 20 percent: Weft 20 percent: ASTM D5035.
          4. Tongue Tear: Warp 54 lb (240 N): Weft 46 lb (205 N): ASTM D2261.
          5. Trapezoidal Tear: Warp 52 lb (231 N): Weft 43 lb (191 N): ASTM D4533.
          6. Mullen Burst: 200 psi (1378 kPa): ASTM D376.
          7. Moisture Vapor Transmission: less than 0.1 perms: ASTM E96.
          8. UV Weathering: UV stabilizer added to coating for improved UV resistance, greater than 6 months exposure.
          9. Coefficient of Friction: Warp 1.25: Weft 1.18 (DRY RUBBER). Warp 1.56: Weft 1.53 (WET RUBBER): CAN/CGSB-75.1-M88.
          10. Class A Fire Resistance Rating: ASTM E 108 (2004), UL790 (1997), UBC 15-2 (1997).
          11. Florida Building Code: ICC-ES, AC 188 "Acceptance Criteria for Roof Underlayments".
          12. Miami-Dade County Product Control Approved NOA 07-0307.09 ep. May 24, 2012: Meets the requirements of CAN/CSA A220.1.

\*\* NOTE TO SPECIFIER \*\* DynaClad Ultra HT Wind & Water Seal™ is a self-adhering waterproofing underlayment composed of a non-slip, cross-laminated polymer film, laminated to a high temperature, aggressive rubberized asphalt adhesive. A protective split release liner is removed during installation. Ultra HT is engineered for use under metal roofing systems. Ultra HT adheres aggressively to most clean, dry substrates including Rigid Insulation, Plywood and Metal Deck. Prime masonry, OSB, exterior grade gypsum roofing products and aged metal surfaces as necessary to achieve good adhesion. Product self-seals around punctures such as screws and nails. This advanced system limits damage caused by water penetration or leaks. Ultra HT is ideal for secondary water resistance and prevents damage from ice dams and wind-driven rain.

* + 1. Product: DynaClad Ultra HT Wind and Water Seal as supplied by Dimensional Metals Inc.
       1. Material Color: White.
       2. Maximum Service Temperature: 250 degree F (121 degree C).
       3. Material Thickness (ASTM D 5147): 45 Mils (1.1 mm) Nominal.
       4. Flexibility at -20 degree F (-28 degree C) (ASTM D 1970): Pass.
       5. Vapor Permeance (ASTM E 96): Less than 0.02.
       6. Nail Sealability (ASTM D 1970):Pass.
       7. Adhesion to Plywood at 75 degree F (24 degrees C) (ASTM D 903/1970): Greater than 12 lbs/ft.
       8. Adhesion to Plywood at 40 degree F (4 degrees C) (ASTM D 903/1970): Greater than 2 lbs/ft.
       9. Results based on modified ASTM standards.
  1. SEALANT FOR METAL ROOFS

\*\* NOTE TO SPECIFIER \*\* Novaflex® Metal Roof Sealant provides unbeatable adhesion to metal, coated metals, wood, masonry, PVC and most common construction materials.

* + 1. Product: Novaflex Metal Roof Sealant as supplied by Dimensional Metals Inc.
       1. Meets or exceeds ASTM C-920, TT-S-001543A and TT-S-230C.
  1. SNOW RETENTION SYSTEMS

\*\* NOTE TO SPECIFIER \*\* The sudden and unexpected release of snow from the roof can be dramatic, posing a serious threat to property and passers-by. ColorGard® dramatically reduces the risks associated with rooftop avalanches and maintains the clean colorful appearance of the roof with perfect color and finish matching, which lasts as long as the roof itself! ColorGard® is the only snow retention system designed and engineered on a site specific basis; guaranteed to perform, to not damage the roof or finish, and to exactly match the roof color-for the entire life of the roof\*.

* + 1. Product: S-5 ColorGard as supplied by Dimensional Metals Inc.
       1. Non-penetrating mechanically clamped continuous snow retaining system. Complete system including S-5 clamps, Versaclips, Snowclips, bar and color insert shall match metal roof.

1. EXECUTION
   1. EXAMINATION
      1. Examine alignment and placement of building roof structure before proceeding with installation of preformed metal roofing.
      2. Examine metal roof deck before starting installation. Deck shall be clear, clean and smooth, free of depressions, waves, or projections, dry and shall remain dry and free of ice and snow, after roofing application commences. Deck flutes shall be clean and dry.
      3. Field check dimensions and check support alignment with taut string or wire. Support misalignment may cause additional stresses in the panels and contribute to oil canning.
      4. Do not proceed with installation until conditions are satisfactory. Notify the architect in writing of unsatisfactory conditions.
      5. Underlayment Installation:
         1. Verify that underlayment has been installed over solid substrate.
         2. Ensure underlayment is installed horizontally, starting at the eave working to the ridge with a 6 inches (152 mm) minimum overlap.
         3. Ensure that all fasteners are totally flush with the substrate.
   2. INSTALLATION
      1. General Requirements:
         1. Install roofing and flashing in accordance with approved shop drawings and manufacturer's product data, within specified tolerances.
         2. Isolate dissimilar metals, masonry and concrete from metal roof system with bituminous coating.
         3. Anchorage shall allow for thermal expansion and contraction without stress or elongation of panels, clips or anchors.
         4. Coordinate flashing and sheet metal work to provide watertight conditions at roof terminations. Fabricate and install in accordance with standards set forth in the SMACNA Manual using continuous cleats at all exposed edges.
      2. Underlayment:
         1. Install proper protection to finished substrate to prevent moisture infiltration to roofing assembly prior to placement of panels.
            1. For Roof Slopes Less than 3:12: Cover complete roof area to receive metal roof panels with DynaClad Ultra HT Wind & Water Seal
            2. For Roof Slopes 3:12 or Greater: cover complete roof with a combination of DynaClad Premium Roofing Underlayment and DynaClad Ultra HT Wind and Water Seal at the eaves, valleys, rake walls, rake edges, and around all penetrations as required.
      3. Preformed Metal Panels:
         1. Fasten anchor clips with fasteners as recommended by the manufacturer as required to meet the performance criteria specified.
         2. Install starter and edge trim before installing roof panels.
         3. Remove strippable plastic film prior to installation of roof panels.
         4. Erect metal roofing with lines, planes, rises and angles sharp and true, and plane surfaces free from objectionable warp, dents, buckle or other physical defects.
         5. Do not allow traffic on completed roof.
         6. Protect installed roof panels and trim from damage caused by adjacent construction until completion of installation.
         7. Remove and replace any panels or flashing components that are damaged beyond successful repair.
      4. Flashing:
         1. Comply with SMACNA "Architectural Sheet Metal Manual" recommendations for installation work where the manufacturer's approved shop drawings do not define a specific detail.
         2. Conceal fasteners and expansion provisions wherever possible.
         3. Hem all exposed edges of sheet metal flashing that are exposed with at least 3/4 inch (19 mm) fold under.
         4. Insert metal flashing into reglets, anchor with wedges and seal all joints.
         5. Set sheet metal items level, true to line and plumb.
         6. Secure all metal flashing to wood nailers with screws as indicated on the approved shop drawings.
         7. Use cleats to keep flashing end laps closed when face width exceeds 8 inches (203 mm).
   3. FIELD QUALITY CONTROL
      1. Tolerances:
         1. Applicable erection tolerances: Maximum variation from true planes or lies shall be 1/4 inch (6 mm) in 20 feet (6.1 m) or 3/8 inch (9.5 mm) in 40 feet (12.2 m).
         2. Metal roof systems cannot correct any previously installed support or wood nailer problems that do not meet the above tolerances.
      2. Manufacturer's Field Service:
         1. Manufacturer's representative shall inspect all Watertight Warranted projects during the installation of the metal roof system.
         2. Inspections shall be scheduled as required by the manufacturer of the roofing system.
         3. Two mandatory visits are required:
            1. Inspection of proper panel and flashing installation.
            2. Final inspection upon completion of the metal roof installation.
         4. Upon final inspection a report will be issued to the installer of any discrepancies and requirements for additional work. If additional work required the manufacturer will provide another final inspection to verify acceptance of completed work.
   4. CLEANING
      1. Clean exposed surfaces of work promptly after completion of installation. To prevent rust from staining the painted finish, immediately remove filings produced by drilling or cutting.
      2. Clean roof in accordance with manufacturer's recommendations.
      3. Touch up minor abrasions and scratches in finish with the manufacturer's supplied PVDF touch up paint.
      4. Remove all scrap and construction debris from the site.
   5. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION