SECTION 07 42 00

METAL WALL PANELS

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\*\* NOTE TO SPECIFIER \*\* Petersen Aluminum Corporation; products.  
.  
This section is based on products made by Petersen Aluminum Corporation, which is located at:  
 1005 Tonne Road  
 Elk Grove Village, IL 60007  
 Tel: (800) PAC-CLAD  
 Fax: (800) 722-7150  
 Email: rheselbarth@petersenmail.com  
 www.pac-clad.com  
 [click Here] for additional information.  
PAC-CLAD Precision Series architectural wall panels provide design flexibility by combining bold visual effects with easy, cost-effective installation. Multiple profiles are available with a variety of rib patterns. Options for each profile include a no-clip panel, or a clip-fastened panel to accommodate expansion and contraction. The original Precision Series HWP profile features a 7/8 inch depth, while the Precision Series Highline profiles are 1-3/8 inches deep, and can be intermixed to add visual intensity to a building's exterior. Precision Series wall panels can be installed horizontally or vertically. PAC-CLAD series of Composite Wall panel systems provide unmatched performance and stunning visual effects for any commercial or retail application.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Prefinished metal wall panels.
    2. Flashing and trim integral to panels.
    3. Clips, anchoring devices, fasteners, and accessories for installation of panel system.
  1. RELATED SECTIONS

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

* + 1. Section 05 10 00 - Structural Metal Framing [05 10 00] - Structural Metal Framing.
    2. Section 05 40 00 - Cold-Formed Metal Framing [05 40 00] - Cold-Formed Metal Framing: Secondary wind load resisting girts and subgirts for exterior wall framing.
    3. Section 06 10 00 - Rough Carpentry [06 10 00] - Rough Carpentry: Framing and Sheathing
    4. Section 07 27 00 - Air and Moisture Barriers [07 25 00] - Weather Resistive and Air Barrier Assemblies
    5. Section 07 60 00 - Flashing and Sheet Metal [07 60 00] - Flashing and Sheet Metal.
    6. Section 07 91 23 - Backer Rods [07 92 00] - Joint Sealants.
  1. REFERENCES

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

* + 1. ASTM E 283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 1991 (Reapproved 1999).
    2. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
    3. ASTM E 331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000.
    4. ASTM E 1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.
    5. AAMA 501.1-05 - Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure.
    6. US Green Building Council.
  1. DESIGN / PERFORMANCE REQUIREMENTS
     1. Design Requirements for Wall Systems:
        1. System Design: Metal wall system as designed by the manufacturer shall be a complete system. All components of the system shall be supplied by the same manufacturer.
        2. Wall Panels: Wall panels shall be designed in accordance with the local building code using the Manufacturer's published Load Tables from tests in accordance with ASTM E 1592.
        3. Design Loads: Design load application shall be in accordance with local building code.
        4. Wind Loads: Design wind loads shall be based on the wind criteria in accordance with local building code.
        5. Deflection: Deflection requirements shall be in accordance with the applicable building code, or as a minimum, L/180 for wind load (but not less than 10 psf (49 kg/sq m).
        6. Accessories and Fasteners: Accessories and fasteners shall be capable of resisting the specified design wind suction forces in accordance with local building code.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Material type, metal thickness and finish.
        3. Storage and handling requirements and recommendations.
        4. Installation methods.
     3. Shop Drawings:
        1. Show elevations, and plans of wall panels, including sections and details, anticipated loads, flashings, roof curbs, vents, sealants, interfaces with all materials not supplied and proposed identification of component parts and their finishes.
        2. Submit complete shop drawings and erection details to Architect for review. Do not proceed with manufacture prior to review and approval of shop drawings. Do not use drawings prepared by Architect for shop or erection drawings.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable.

* + 1. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
       1. List of proposed materials with recycled content. Indicate post-consumer recycled content and pre-consumer recycled content for each product having recycled content.
       2. Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
       3. List of proposed materials with rapidly renewing content. Indicate rapidly renewing content percentage for each product having rapidly renewing content.

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

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
    2. Verification Samples: Submit 1 foot (305 mm) high by full width sample panel for each profile specified indicating the metal, texture, color and finish.
    3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
    4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing metal panels with a minimum documented experience of ten years.
     2. Installer Qualifications: Company specializing in installation of the products specified for projects of similar size and scope with minimum five years documented experience.

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

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
       4. Accepted mock-ups shall be comparison standard for remaining Work
  1. DELIVERY, STORAGE, AND HANDLING
     1. Deliver panels to job site properly packaged to provide protection against transportation damage.
     2. Exercise extreme care in unloading, storing, and erecting panels to prevent bending, warping, twisting, end and surface damage.
     3. Store products above ground on well skidded platforms in manufacturer's unopened packaging until ready for installation.
     4. Store inside or under breathable waterproof covering. Provide proper ventilation to panels to prevent condensation buildup between each panel. Elevate one end of bundles while being stored.
  2. SEQUENCING
     1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
     2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
  4. WARRANTY

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs as applicable to the products specified.

* + 1. Provide with manufacturer's PAC-Clad 30 Year Limited Warranty applied to applied to aluminum, Galvalume steel or AZ50 zinc-aluminum alloy steel sheet.
    2. Provide with manufacturer's PAC-Clad 30 Year Limited Warranty applied to applied to aluminum sheet in a coastal environment.
    3. Provide with manufacturer's unpainted Galvalume 25 Year Limited Warranty applied to AZ50 zinc-aluminum alloy steel sheet.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Petersen Aluminum Corp., which is located at:1005 Tonne Rd.Elk Grove Village, IL 60007Toll Free Tel: 800-722-2523Tel: 847-228-7150Fax: 847-956-7968Email: [request info (info@pac-clad.com)](https://arcat.com/rfi?action=email&company=Petersen%252BAluminum%252BCorp.&message=RE%253A%2520Spec%2520Question%2520(07412pet)%253A%2520&coid=34773&spec=07412pet&rep=&fax=847-956-7968);Web: <https://www.pac-clad.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 - Product Requirements.
  1. WALL PANELS
     1. Pac-Clad Precision Series HWP: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
        1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required.

* + - * 1. 12 inch, 3 rib profile
        2. 16 inch, 4 rib profile
      1. Panel Height:
         1. 7/8 inch High
      2. Texture:
         1. Smooth
      3. Panel Edge:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required.

* + - * 1. Clip attachment
        2. Nail Flange concealed extended fastener rib.
      1. Substrate:
         1. Nailbase
         2. Plywood
      2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330
         2. ASTM E 283
         3. ASTM E 331
         4. AAMA 501.1-05
         5. ASTM E 1592
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline B1: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 11.356 inch, 2 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330
         2. ASTM E 283
         3. ASTM E 331
         4. ASTM 501.1-05
         5. ASTM 1592
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline B2: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 15.356 inch, 1 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - 1. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330
         2. ASTM E 283
         3. ASTM E 331
         4. ASTM 501.1-05
         5. ASTM 1592
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline C1: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 11.356 inch, 2 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline C2: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 15.356 inch, 2 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330
         2. ASTM E 283
         3. ASTM E 331
         4. ASTM 1592
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline M1: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 12.043 inch, 3 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
        7. Galvalume Plus
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline S1: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 11.356 inch, 1 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330
         2. ASTM E 283
         3. ASTM E 331
         4. ASTM 501.1-05
         5. ASTM 1592
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Pac-Clad Precision Series Highline S2: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 4 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .050 aluminum
      1. Panel Width:
         1. 15.356 inch, 1 rib profile
      2. Panel Height:
         1. 1-3/8 inches High
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip attachment
         2. Nail Flange concealed extended fastener rib.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 29 stocked colors (.050 aluminum)
        2. 15 stocked colors (22 gauge steel)
        3. Galvalume Plus
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Reveal Panel: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 25 feet.

* + - * 1. .032 aluminum (Kynar Coating)
        2. .040 aluminum (Kynar Coating)
        3. 22 gauge steel (Kynar Coating)
        4. 24 gauge steel (Kynar Coating)
      1. Panel Width:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the ones not required.

* + - * 1. 7 inch O.C. with 1-1/2 inch reveal profile
        2. 11 inch O.C. with 1-1/2 inch reveal profile
        3. 12 inch O.C. with 1-1/2 inch reveal profile
      1. Panel Height:
         1. 1 inch High

\*\* NOTE TO SPECIFIER \*\* Select the one of the following optional paragraphs if required and delete if not required. Stiffening beads are recommended for longer panel lengths.

* + - 1. Stiffening Beads: Provide each panel with one stiffening beads.
      2. Stiffening Beads: Provide each panel with two stiffening beads.
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330 (12 inch only)
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. Flush Panels: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 25 feet.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. 22 gauge steel
        4. 24 gauge steel
      1. Panel Type:
         1. Flush profile
      2. Panel Width:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required.

* + - * 1. 7 inch O.C. flush profile
        2. 11 inch O.C. flush profile
        3. 12 inch O.C. flush profile
      1. Panel Height:
         1. 1 inch High
         2. 1 inch High

\*\* NOTE TO SPECIFIER \*\* Select the one of the following optional paragraphs if required and delete if not required. Stiffening beads are recommended for longer panel lengths.

* + - 1. Stiffening Beads: Provide each panel with one stiffening beads.
      2. Stiffening Beads: Provide each panel with two stiffening beads.
      3. Texture:
         1. Smooth
      4. Panel Edge:
         1. Clip
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
      1. Tests:
         1. ASTM E 330 (12 inch only)

\*\* NOTE TO SPECIFIER \*\* Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.

* + - 1. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. 7.2 Panel: Pre-finished, pre-fabricated exposed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 38 feet for steel, 22 feet for aluminum and 5 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .040 aluminum
        3. .050 aluminum
        4. 22 gauge steel
        5. 24 gauge steel
      1. Panel Width:
         1. 36 inch, 7.2 inch rib profile
      2. Panel Height:
         1. 1-1/2 inches High
      3. Texture:
         1. Smooth
      4. Fasteners and Panel Edge:
         1. Matching screws and rivets
         2. Closure strips.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum)
        2. 22 stocked PAC-Clad colors (.040 aluminum)
        3. 29 stocked PAC-Clad colors (.050 aluminum)
        4. 15 stocked PAC-Clad colors (22 gauge steel)
        5. 43 stocked PAC-Clad colors (24 gauge steel)
        6. Galvalume Plus
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. 7/8 inch Corrugated Panel: Pre-finished, pre-fabricated exposed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 5 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .050 aluminum
      1. Panel Width:
         1. 39.75 inch overall, corrugated profile
      2. Panel Height:
         1. 7/8 inches High
      3. Texture:
         1. Smooth
      4. Fasteners and Panel Edge:
         1. Matching screws and rivets
         2. Closure strips.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum)
        2. 22 stocked PAC-Clad colors (.040 aluminum)
        3. 29 stocked PAC-Clad colors (.050 aluminum)
        4. 15 stocked PAC-Clad colors (22 gauge steel)
        5. 43 stocked PAC-Clad colors (24 gauge steel)
        6. Galvalume Plus
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. 1/2 inch Corrugated Panel: Pre-finished, pre-fabricated exposed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required. Available in maximum panel lengths of 30 feet for steel, 22 feet for aluminum and 5 foot minimum for steel and aluminum. Longer lengths are available for clip panels.

* + - * 1. .032 aluminum
        2. .050 aluminum
      1. Panel Width:
         1. 44.5 inch overall, corrugated profile
      2. Panel Height:
         1. 1/2 inches High
      3. Texture:
         1. Smooth
      4. Fasteners and Panel Edge:
         1. Matching screws and rivets
         2. Closure strips.
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum)
        2. 22 stocked PAC-Clad colors (.040 aluminum)
        3. 29 stocked PAC-Clad colors (.050 aluminum)
        4. 15 stocked PAC-Clad colors (22 gauge steel)
        5. 43 stocked PAC-Clad colors (24 gauge steel)
        6. Galvalume Plus
      1. Tests:
         1. ASTM E 283
         2. ASTM E 331
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. PAC-3000 RS Composite Wall Panels: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 3 mm composite
        2. 4 mm composite
        3. 6 mm composite
        4. .063 mm aluminum thermo-bonded to a polyethylene or fire-retardant core
        5. .125 mm aluminum thermo-bonded to a polyethylene or fire-retardant core
        6. 22 gauge Galvalume steel thermo-bonded to a polyethylene or fire-retardant core
        7. 24 gauge Galvalume steel thermo-bonded to a polyethylene or fire-retardant core
        8. Stainless steel thermo-bonded to a polyethylene or fire-retardant core
      1. Panel Width:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required.

* + - * 1. \_\_\_ inch square flush profile
        2. \_\_\_ inch square flush profile
        3. \_\_\_ inch square flush profile
        4. \_\_\_ inch square flush profile
      1. Panel Height:
         1. 1 inch and 1.625 inch High with composite track and aluminum extrusion mount.
      2. Panel Joints:
         1. .500 inch.
      3. Texture:
         1. Smooth
      4. Mount:
         1. Composite track and aluminum extrusion mount
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Product Features:
         1. Precise fabrication to meet exacting tolerances.
         2. Panels fabricated with factory applied continuous aluminum extrusion at interior edges of each panel.
         3. Welded corners available.
      7. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
        7. Stainless steel.
      1. Tests:
         1. ASTM E 283 (composite only)
         2. ASTM E 330
         3. ASTM E 331 (composite only)
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
    1. PAC-3000 CS Composite Wall Panels: Pre-finished, pre-fabricated concealed fastener metal wall system designed for horizontal and vertical applications.
       1. Materials:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 3 mm composite
        2. 4 mm composite
        3. 6 mm composite
        4. 063 mm aluminum thermo-bonded to a polyethylene or fire-retardant core
        5. .125 mm aluminum thermo-bonded to a polyethylene or fire-retardant core
        6. 22 gauge Galvalume steel thermo-bonded to a polyethylene or fire-retardant core
        7. 24 gauge Galvalume steel thermo-bonded to a polyethylene or fire-retardant core
        8. Stainless steel thermo-bonded to a polyethylene or fire-retardant core
      1. Panel Width:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required.

* + - * 1. \_\_\_ inch square flush profile
        2. \_\_\_ inch square flush profile
        3. \_\_\_ inch square flush profile
      1. Panel Height:
         1. 1 inch not including attachment clip.
      2. Panel Joints:
         1. 5/8 inch.
      3. Texture:
         1. Smooth
      4. Mount:
         1. Attachment clip with TEK 3 fasteners
      5. Substrate:
         1. Nailbase
         2. Plywood
      6. Product Features:
         1. Precise fabrication to meet exacting tolerances
         2. Welded corners available.
      7. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete those not required.

* + - * 1. 36 stocked PAC-Clad colors (.032 aluminum) (Kynar Coating)
        2. 22 stocked PAC-Clad colors (.040 aluminum) (Kynar Coating)
        3. 29 stocked PAC-Clad colors (.050 aluminum) (Kynar Coating)
        4. 15 stocked PAC-Clad colors (22 gauge steel) (Kynar Coating)
        5. 43 stocked PAC-Clad colors (24 gauge steel) (Kynar Coating)
        6. Galvalume Plus PAC-Clad Clear Coat Acrylic (Non-Kynar)
        7. Stainless steel.
      1. Tests:
         1. ASTM E 283 (composite only)
         2. ASTM E 330
         3. ASTM E 331 (composite only)
      2. Florida Building Code Product Approvals
         1. Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.
  1. ACCESSORIES

\*\* NOTE TO SPECIFIER \*\* Include the following accessories as required for the project. Delete if not required.

* + 1. Metal Components:
       1. Provide accessories and other items essential to a complete roof or wall panel installation including panel clips, trim, closures, fascia, soffits, caps and similar metal components.
       2. Metal components fabricated from same gauge and finish as metal panels, unless otherwise noted.
       3. Flashing: Provide the same gauge and finish as the exterior panel, unless otherwise noted.
    2. Fasteners:
       1. Exposed fasteners shall be hex head self-drilling screws with bonded washers and color to match panels. Screws may be either plated steel or stainless steel as noted on the Drawings.
    3. Closure Strips: EPDM rubber to match configuration of the covering.
    4. Sealants:
       1. Exposed Sealants: One component silicone based as recommended by panel manufacturer: field applied.
       2. Concealed Sealants: Non-curing, non-skinning butyl, polyisobutylene or polybutane tape as recommended by panel manufacturer; field applied.

1. EXECUTION
   1. EXAMINATION
      1. Verify that substrates are acceptable for installation in accordance with manufacturer's instructions.
      2. Examine alignment of structural steel and related supports, primary and secondary framing, solid sheathing, prior to installation
      3. Verify wall openings, windows, doors, or louvers through walls are properly located.
      4. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions and recommendations including approved shop drawings.
      2. Form panel shape as indicated on Drawings, accurate in size, square, and free from distortion or defects.
      3. Install flashing and trim true and in proper alignment.
      4. Separate dissimilar metals to prevent galvanic action.
      5. Use fasteners recommended by panel manufacturer; conceal fasteners wherever possible; cover and seal exposed fasteners.
      6. Provide uniform, neat seams; provide sealant-type joint where indicated and form joints to conceal sealant.
      7. Install sealants where indicated to clean dry surfaces only without skips or voids, to ensure weather tightness and integrity of the vapor barrier.
   4. CLEANING
      1. Replace damaged panels and other components of work, which cannot be repaired by finish touch-up or similar minor repair.
      2. Wipe finished surfaces clean of any filings caused by drilling or cutting to prevent rust staining.
   5. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION