Architectural Metal Roof, Wall and Perimeter/Roof Edge Systems
<table>
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<td>COMPOSITE WALL PANELS</td>
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<td>FLASHING, TRIM, ANODIZED ALUMINUM</td>
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<tr>
<td>38-39</td>
<td>GENERAL CONSIDERATIONS</td>
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*Available only from our Georgia and Maryland facilities
Petersen Aluminum Corporation (PAC) was founded in 1965 as a metals service center to the architectural metal industry. At Petersen we provide products of the highest possible quality within reliable, dependable lead times. Petersen’s strong national sales base allows for large inventories and cost economies for its customers.

Headquartered in Elk Grove Village, Illinois, located just outside of Chicago, Petersen also operates full production facilities in Annapolis Junction, Maryland; Tyler, Texas and Acworth, Georgia plus a regional sales office in Andover, Minnesota. In addition to the information found in this catalog, PAC maintains an extensive website at pac-clad.com. This catalog is available in digital format and within PAC’s e-binder on its website.

Technical assistance and service are available and complemented locally by a nationwide organization of architectural representatives who can offer assistance in material selection, finish specification and budgeting. Because Petersen’s scope of applications is so wide, inquiries are encouraged.

PAC-CLAD ARCHITECTURAL SHEET AND COIL
PAC-CLAD is a versatile prefinished sheet metal coating of 70% full polyvinylidene fluoride (PVDF) that is applied to G-90 galvanized steel, galvalume steel or prime quality aluminum. Originally developed for use in abrasive environments, PAC-CLAD has proven to be ideally suited for applications in roofing, wall, curtainwall, storefront and trim applications. PAC-CLAD is now available in 45 colors carefully selected to complement a range of building materials.

PAC-CLAD PANELS
Petersen is an industry leader in providing factory-produced metal panels, maintaining extensive roll-forming equipment in each regional facility. Each Petersen roll former produces panels that have been Herr-Voss corrective leveled. Standing seam, exposed fastener, flush wall, soffit and horizontal wall panels are factory-formed in lengths up to 64’. Refer to the specific product pages, or consult the local factory for maximum lengths and capabilities for each facility. Matching flashing and trim may also be factory-formed, or field-formed from PAC-CLAD material.

PAC-CLAD ACCESSORIES
Petersen fabricates a wide range of roofing accessories from stocked PAC-CLAD colors and gauges. Trim, gutters and downspouts can be produced from Petersen’s 45 standard colors.

PERIMETER/ROOF EDGE SYSTEMS
Petersen’s perimeter/roof edge product line provides the complete system to ensure a clean, sure-fitting product while eliminating the need for field fabrication. All PAC perimeter systems are produced in 12’ lengths for an estimated 20 to 40 percent savings in material handling over the typical 8’ or 10’ lengths. Perimeter systems are competitively priced while providing superior strength, aesthetics and ease of installation. Perimeter products are tested to the standards of ANSI/SPRI/ FM 4435/ES-1, Miami-Dade and FM. For information on our coping and fascia products, please see pages 36-37 of this catalog or visit pac-clad.com.

Cape Canaveral Volunteer Fire Station, Cape Canaveral, FL
Architect: BRPH
General contractor: W&J Construction
Installing contractor: Quality Metals
Profile: Tite-Loc Plus
Color: Arcadia Green
**PAC-CLAD® APPLICATIONS**

**Jefferson County Western Health Center, Midfield, AL**
Owner: Jefferson County Department of Health
Architect: Birchfield Penuel & Associates
General contractor: M.J. Harris Construction Services
Installing contractor: CSC Roofing
Profiles: Tite-Loc curved, Reveal Wall Panels
Colors: Cardinal Red, Sierra Tan

**Discovery Center in the Discovery Park of America, Union City, TN**
Architect: Verner Johnson Inc.
Contractor: Allen Searcy Builder-Contractor Inc.
Installing contractor: Ralph Jones Sheet Metal Inc.
Profiles: Tite-Loc, Snap-On
Color: Silver Metallic
Destin Commons, Destin, FL
Owner: Turnberry Associates
Installing contractor: Roof Specialties
Architect: JPKA Architects
Distributor: CRS – Commercial Roofing Specialties
Profiles: Snap-Clad
Colors: Arcaida Green, Slate Gray, Terra Cotta

Walls Residence, Little Rock, AR
Architect: Polk Stanley Wilcox Architects
Installing contractor: Covington Roofing & Sheet Metal
Material: PAC-CLAD 24 ga. steel
Color: Musket Gray
PAC-CLAD® APPLICATIONS

I-Drive 360 Parking Deck, Orlando
Owner: I-Drive Live 360
Architect: Finfrock
General contractor: Finfrock
Installing contractor: Mullets Aluminum Products
Profiles: 7.2 Corrugated perforated
Color: Musket Gray

Mundelein Village Hall, Mundelein, IL
Architect: Wight & Co.
General contractor: Weston Solutions
Installing contractor: Sullivan Roofing
Profiles: Snap-Clad, Snap-On, PAC-750 Soffit, 7.2 Wall Panels
Color: Zinc
Casino Ramona, Ramona, OK
Owner: Cherokee Nation Entertainment
Architect: Selser Schaefer Architects
General contractor: RM Builders
Installing contractor: Abbco Roofing
Profiles: Perforated Flush Panel, Flush Panel, PAC Precision Series HWP, 7.2 Panel, 7/8" Corrugated, Flat sheet
Colors: Colonial Red, custom Bright Red, Copper Penny, Slate Gray

Captiva Fire Department Station 181, Captiva, FL
Owner: Captiva Island Fire Control District
Architect: Sweet Sparkman Architects
Installing contractor: Saint Raphael Roofing
General contractor: JL Wallace
Distributor: ABC Supply Co. Inc.
Profile: Tite-Loc Plus
Color: Silver
PAC-CLAD® COLOR CHART

TRIM
PAC-CLAD products are available in prime quality aluminum (.032 - .063), 24 gauge G-90 galvanized steel and 22 gauge Galvalume steel, finished with a 70% full PVDF (Kynar) finish on the top side, with a washcoat on the bottom. Other metals available include mill finish aluminum, bare galvanized steel, stainless steel, Galvalume Plus and anodized aluminum.

A strippable vinyl film can be applied to coil, flat sheet or fabricated parts, to protect painted surfaces. Vinyl masking is recommended where extra handling is expected. NOTE: Film must be removed immediately after installation.

FINISH WARRANTY
Life expectancy is 30-years plus on 70% full PVDF-finished materials. A 30-year, non-prorated warranty covering color fade, chalking and film integrity is available at no extra charge. Warranty terms vary slightly for Cardinal Red, Interstate Blue and Award Blue.

PAC-CLAD METALLICS
Petersen can supply metallic finishes with the economy of a one-pass, two-coat system at a moderate additional cost. These colors are ideal for curtainwall and roofing applications. A PAC-CLAD metallic 30-year, non-prorated finish warranty applies; proper orientation required. This is a directional finish.

NOTE: Colors below are not exact representations of actual PAC-CLAD colors. Ask a PAC representative for a color-chip chart or painted metal samples before making final color selection.

COMMITMENT TO SUSTAINABILITY
PAC-CLAD products provide unmatched aesthetics and performance, plus an element of sustainability. Where possible, Petersen products include a high percentage of recycled material, which lowers their environmental footprint. Additionally, PAC products are 100% recyclable which may reduce the solid waste stream to landfills.

Petersen also offers the industry’s widest range of 45 colors, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling and energy savings performance. PAC-CLAD offers 30 finishes that are listed with the Cool Roof Ratings Council, and 33 colors that are Energy Star®-approved. In addition, 22 PAC-CLAD finishes have an SRI of 29 or higher for steep slope roofs, to allow a building to qualify for credits in the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) Green Building Rating System. Refer to pacgreeninfo.com for the most current information on sustainable cool metal roofing.

STANDARD COLORS

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<tr>
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<td>Stone White*</td>
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<td>Mansard Brown*</td>
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<tr>
<td>Barnished Slate</td>
<td>Aged Bronze</td>
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<td>Terra Cotta*</td>
<td>Colonial Red*</td>
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<tr>
<td>Sandstone*</td>
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PREMIUM COLORS

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* Denotes PAC-CLAD Cool Color

Petersen Aluminum has been a proud partner with Valspar since 1972

NOTE: Colors below are not exact representations of actual PAC-CLAD colors. Ask a PAC representative for a color-chip chart or painted metal samples before making final color selection.
### PAC-CLAD® COLOR AVAILABILITY

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PAC-CLAD® Metallic finishes are available from stock at a moderate extra cost. PAC-CLAD® Copper Penny is a Non-Weathering finish. Solar Reflectance Index calculated according to ASTM E-1980.

*Low Gloss/Low Sheen, full 70% PVDF finish

**ENERGY STAR® PERFORMANCE CRITERIA:**

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<tr>
<th>Property</th>
<th>Criterion</th>
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<td>Emissivity</td>
<td>Uses ASTM C1371 Reflectivity uses ASTM C1549.</td>
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</table>
| Technical Data for Kynar 500®/Hylar 5000® Coating | South Florida Exposure: Color (ASTM D 2244) - No more than 5ΔE Hunter units at 20 years; Chalk (ASTM D 4214) – Rating no less than 8 at 20 years; Film integrity – 20 years.  
Accelerated Weathering (ASTM D 4587, ASTM G 154) - 5000 Hours, QUV-A, 340 NM Bulb – Chalk, per ASTM D 4214, rating of 6 or better; Color, per ASTM D 2244, < S&I (Hunter Units) color change.  
Humidity Resistance (ASTM D 2247): Galvalume or HDG, 100% RH, 2000 hours – No field blisters; Aluminum, 100% RH, 3000 hours – No field blisters.  
Salt Spray Resistance (ASTM B 117): Aluminum, 3000 hours, Galvalume or HDG, 1000 hours – Creep from scribe no more than 0.116”, no field blisters.  
Chemical/ACID Pollution Resistance (ASTM D 1308): Pass  
T-Bend (ASTM D 4145): 1T – 3T with no loss of adhesion  
Pencil hardness (ASTM D 3363): HB – 2B  
Specular Gloss (ASTM D 523) @ 60 degrees: Typical – 20 – 35  
Abrasion Resistance (ASTM D 968) 80 +/- 10 liters  
Cross Hatch Adhesion (ASTM D 3359): No loss of adhesion  
Reverse Impact (ASTM D 2794): Galvalume or HDG, 2x metal thickness inch-pounds, no loss of adhesion; Aluminum, 1.5x metal thickness-inch-pounds, no loss of adhesion  
Flame Test (ASTM E 84): Class A Coating  
Water Immersion (ASTM D 870): 500 hours, 100 degrees, no loss of adhesion |

PAC-CLAD is a registered trademark of Petersen Aluminum Corp. Kynar 500 is a registered trademark of Arkema Inc. Hylar 5000 is a registered trademark of Solvay Solexis.
Snap-Clad panels feature architectural aesthetics as well as structural performance. Snap-Clad panels, produced in continuous lengths, are corrective leveled to provide superior flatness and feature an optional factory-applied sealant bead for improved weather resistance. Maximum panel length is 64’ and minimum panel length is 4’.

Snap-Clad Panels feature a 1-3/4” leg height and a continuous interlock for improved structural performance and wind resistance. A concealed-fastener clip system allows for thermal expansion/contraction while providing extraordinary hold-down strength. Two clips are available: a standard clip for most mansard and fascia applications, and a high-performance clip for roofing applications and UL 90-rated assemblies.

**TRIM**

All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

**INSTALLATION**

Snap-Clad Panels are intended for use in roofing, mansard and fascia applications. Substrates may include 5/8” (min.) plywood, nailboard insulation or equal with an underlayment of ice and water shield or 30# (min.) roofing felt applied horizontally from eave to ridge. Other substrates may include metal decking, purlins or rigid insulation in conjunction with bearing plates. A minimum 2:12 pitch is recommended in most applications. Contact Petersen for detail assistance on projects requiring lower slopes. For coastal applications, aluminum panels along with stainless steel clips must be used for warranty. Consult a local architect/engineer for compliance with local codes and conditions.

**EAVE NOTCHING**

Factory-produced eave notching is available at nominal additional cost on Snap-Clad panels and Redi-Roof standing seam panels. Factory eave notching saves on labor cost by eliminating the need for field cutting to produce a properly trimmed eave detail.

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### PRODUCT FEATURES

- Architectural/structural panel
- Herr-Voss corrective leveled
- Factory-applied sealant available
- Continuous interlock
- Labor-saving one-piece design
- Stiffener beads upon request
- Striations upon request
- Factory eave notching available
- 30-year non-prorated finish warranty
- Maximum factory-produced panel length is 64’ (check with factory for longer lengths)
- Weathertightness warranty available
- 43 stocked colors (24 gauge steel)
- 15 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- Panels available in Galvalume Plus

### UL CLASSIFICATION

- UL-580 Class 90 wind uplift
- UL-1897 wind uplift
- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated
- UL-90 rated aluminum panel up to 16’ O.C.

### ASTM TESTS

- ASTM E1592 tested
- ASTM E283/1680 tested
- ASTM E331/1646 tested

### FLORIDA BUILDING & MIAMI-DADE PRODUCT APPROVALS

Please refer to pac-clad.com or your local factory for specific product approval numbers for Snap-Clad.
MATERIALS

.032 aluminum  24 gauge steel
.040 aluminum  22 gauge steel

SPECS

10”, 12”, 16” or 18” O.C.  1-3/4” High

Note: UL 90 is available on steel panels up to 18” on center, and on aluminum panels up to 16” on center.
Tite-Loc panels combine structural panel performance with architectural panel aesthetics. Tite-Loc panels are corrective leveled to provide superior panel flatness. A factory-applied sealant bead is applied for additional weather resistance. Maximum panel length is 64’ and minimum panel length is 4’. Consult factory for longer lengths.

Tite-Loc panels feature a 2” leg height that requires mechanical field seaming after installation. Panels have a concealed-fastener floating clip system designed to allow for thermal expansion/contraction.

TRIM
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 -.063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

INSTALLATION
Tite-Loc panels are intended for use in architectural and structural roofing. Substrates may include 5/8” (min.) plywood, nailboard insulation or equal with an underlayment of ice and water shield or 30# (min.) roofing felt applied horizontally from eave to ridge. Other substrates may include metal decking, purlins or rigid insulation in conjunction with bearing plates. A minimum 1/2:12 pitch is required. Contact Petersen for further assistance with projects details.

For coastal applications, aluminum panels along with stainless steel clips must be used for finish warranty. Consult a local architect/engineer for compliance with local codes and conditions.

TITE-LOC/TITE-LOC PLUS PANELS
Tite-Loc and Tite-Loc Plus panels are factory-formed to length and field-seamed to a 90˚ lock (Tite-Loc) or a 180˚ lock (Tite-Loc Plus). The panels have been designed for application over a wide variety of substrates on roof slopes as low as 1/2:12 pitch. Available in 12”, 16” and 18” widths, Tite-Loc and Tite-Loc Plus panels can be produced in 22 and 24 gauge steel or .032 and .040 aluminum.

SEAMING
The Tite-Loc seamer is bi-directional, offering labor savings with the ability to travel up and down slope. However, the seamer should only be used up slope on roofs with a pitch of 6:12 or less.

The Tite-Loc Plus seamer runs in one direction. Tite-Loc Plus panels should be installed from left to right to ensure the seamer travels down slope. The seamer will not travel up slope on a roof pitch greater than 4:12.

CURVED APPLICATIONS
The Tite-Loc panels can be curved to a minimum radius of 20’. Tite-Loc curving can be done in the field or at the factory depending on the radius and length of the panel.

For more details about our curving capabilities, please contact your local Petersen factory.
TITE-LOC

MATERIALS
.032 aluminum*  24 gauge steel*
.040 aluminum*  22 gauge steel*

SPECs
12", 16" or 18" O.C.  2" High

Not all panel conditions are available in each Petersen branch; additional freight charges might apply if specific panel condition is required. Tite-Loc and Tite-Loc Plus panels are supplied as “smooth” as standard. Customer must advise if additional panel conditions are required.

PRODUCT FEATURES
- Herr-Voss corrective leveled
- Pencil ribs (stiffening beads) and striations are only available by request
- 30-year non-prorated finish warranty
- Maximum factory-produced panel length is 64’ (check with factory for longer lengths)
- Weathertightness warranty available

MATERIAL
- 43 stocked colors (24 gauge steel)
- 15 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- Galvalume Plus available

UL CLASSIFICATION
- UL-580 Class 90 rated up to 18” O.C.
- UL-1897 wind uplift
- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated

TESTS (TITE-LOC PLUS ONLY)
- 24 Gauge Steel SSTD Missile Impact Tested - Passed
- .032 Aluminum SSTD Missile Impact Tested - Passed

ASTM TESTS
- ASTM E1592 tested
- ASTM E331/1646 tested
- ASTM E283/1680 tested
- ASTM E2140 (Tite-Loc Plus only)

FLORIDA BUILDING & MIAMI-DADE PRODUCT APPROVALS
Please refer to pac-clad.com or your local factory for specific product approval numbers for Tite-loc Plus.

*24 gauge and 22 gauge steel and .032 and .040 aluminum panels are UL-90 classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory. **24 gauge and 22 gauge Tite-Loc Plus panels are FM Approved in 12” and 16” widths over 16 gauge open purlins only.

** Not available in all locations. Consult PAC rep for availability.

Cape Canaveral Volunteer Fire Station, Cape Canaveral, FL
Architect: BRPH
General contractor: W.A. Construction
Installing contractor: Quality Metals
Profile: Tite-Loc Plus
Color: Arcadia Green
Snap-On panels are ideal for use in roofing, mansard and fascia applications. Snap-On panels are designed to be installed over a waterproofed solid substrate and a minimum 3:12 roof pitch. Snap-On panels are factory roll-formed in continuous lengths. Maximum panel length is 45' and minimum panel length is 4'.

These panels are ideal for specification on applications where roof transitions are required. The simplicity of the pan design combined with corrective leveling provides superior flatness and allows for greater workability on site.

**TRIM**

All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

**INSTALLATION**

Snap-On panels shall be installed over solid decking (5/8” plywood, nailboard insulation or equal) with an underlayment of 30# (min.) roofing felt applied horizontally from eave to ridge. Panels shall be fastened using Petersen nonpenetrating clips, fastening on 18” centers (max.). Minimum slope at 3:12 pitch. Consult a local architect or engineer for requirements of local codes and conditions.

**CURVED PANELS**

The 1” high Snap-On standing seam panel can be curved to a concave or convex radius, with a minimum radius of 9’. This panel is ideal for barrel vaults and entrance ways. Curved panels must be installed over a waterproofed solid substrate.

**PRODUCT FEATURES**

- Ideal for transition roofs
- Her-Voss corrective leveled
- Stiffener beads available
- 30-year non-prorated finish warranty
- Panel lengths up to 45’

**MATERIAL**

- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- Galvalume Plus available

**UL CLASSIFICATION**

- UL-580 Class 90 rated over solid substrate. (steel only - up to 18” O.C.)
- UL-1897 wind uplift
- UL-790 Class A fire rated
- UL-263 fire resistance rated

**ASTM TESTS**

- ASTM E283/1680 tested
- ASTM E331/1646 tested

**FLORIDA BUILDING PRODUCT APPROVALS**

Please refer to pac-clad.com or your local factory for specific product approval numbers for Snap-On Panels.
**Charleston Harbor Resort, Mount Pleasant, SC**

**Owner:** Brothers Property Management Corp.

**Architect:** Glick Boehm

**Installing contractor:** Achelpohl Roofing

**General contractor:** Hogan Construction

**Profiles:** Tite-Loc Plus, Snap-On, PAC-150

**Color:** Silver

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**SNAP-ON STANDING SEAM**

**MATERIALS**

- .032 aluminum
- 24 gauge steel*

**SPECS**

- 12", 18", 19" or 20" O.C.
- 1" High

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**SNAP-ON BATTEN**

**MATERIALS**

- .032 aluminum
- 24 gauge steel*

**SPECS**

- 11", 12" or 18" O.C.
- 1-1/2" High

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**HIGH SNAP-ON STANDING SEAM**

**MATERIALS**

- .032 aluminum
- 24 gauge steel*

**SPECS**

- 11", 18" or 19" O.C.
- 1-1/2" High

---

A complete specification is available online at pac-clad.com.
Redi-Roof may be specified in either a batten or standing-seam profile and is intended for application over a solid substrate with a minimum 3:12 roof pitch. Typical underlayments include plywood, nailboard insulation or equal. Panels are factory roll-formed in continuous lengths. Maximum panel length is 45’ and minimum panel length is 4’.

Redi-Roof panels feature an offset profile which adds strength and allows room for a hex head fastener. The clip, with its button-punched design, ensures an extra-snug fit. The one-piece design allows for ease of installation.

**TRIM**
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

**INSTALLATION**
Redi-Roof panels shall be installed over solid decking with an underlayment of 30# (min.) roofing felt applied horizontally from eave to ridge. Panels shall be fastened using Petersen nonpenetrating clips, fastening on 18” centers (max.). Minimum slope at 3:12 pitch. Redi-Roof batten panels cannot be lapped in the field. Consult a local architect/engineer for requirements of local codes and conditions.

**PRODUCT FEATURES**
- Available with or without offsets
- Factory eave notching available
- Herr-Voss corrective leveled
- Labor-saving one-piece design
- Stiffener beads available
- 30-year non-prorated finish warranty
- Panel lengths up to 45’

**MATERIAL**
- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 15 stocked colors (22 gauge steel)
- Galvalume Plus available

**UL CLASSIFICATION**
- UL-580 Class 90 wind uplift (steel only)
- UL-790 Class A fire rated

**UL-263 fire resistance rated**
**UL-2218 impact resistance rated**

**ASTM TESTS**
- ASTM E283/1680 tested
- ASTM E331/1646 tested

Photo above: Slotnick Residence, Glencoe, IL
Owner: Barry and Natalie Slotnick
Contractor: Scott Simpson Builders
Design Firm: Kipnis Architecture & Planning
Fabricator: Cedar Roofing Company
Roofing material: PAC-CLAD 24 ga. steel
Color: Silver Metallic
Homewood Board of Education, Homewood, AL
Architect: Williams Blackstock Architects
Installing contractor: Quality Architectural Metal and Roofing
Profiles: Snap-Clad, Flush Wall and Soffit Panels, Precision Series
Color: Weathered Zinc

Photo above:
Outlets of Mississippi, Pearl, MS
Owner: Spectrum Capital
Architect: Dale Partners Architects
Installing Contractor: Pierre Construction Group
General Contractor: W.G. Yates Construction Co.
Material Distributor: CRS – Commercial Roofing Specialties
Profile: Snap-Clad
Color: Granite

REDI-ROOF

UL
90

REDI-ROOF STANDING SEAM WITH OFFSETS

MATERIALS
.032 aluminum
24 gauge steel*
22 gauge steel

SPECs
12", 16" or 18" O.C.
1-9/16" High

REDI-ROOF STANDING SEAM WITHOUT OFFSETS

MATERIALS
.032 aluminum
24 gauge steel*
22 gauge steel

SPECs
12", 16" or 18" O.C.
1-3/8" High

*24 gauge steel, in all O.C.’s is UL-90 Classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory.
A complete specification is available online at pac-clad.com.
PAC-150 Panels

PAC-150 standing seam metal roofing panels combine semi-structural metal panel performance with architectural roofing panel aesthetics. PAC-150 roofing coil is corrective-leveled to provide superior panel flatness. Maximum panel length is limited when factory or shop-formed but virtually unlimited when field-formed; minimum panel length is approximately 4’.

PAC-150 roofing panels feature a 1.5” leg height which requires mechanical field seaming to either 90° or 180° depending on the project’s uplift requirements. Panels have a concealed-fastener clip designed to allow for maximum design flexibility. For further details, please contact Petersen Aluminum.

This panel combines an attractive thin-rib profile with superior structural performance. PAC-150 panels are designed for application over a wide variety of substrates in slopes as low as 1/2:12 pitch. PAC-150 roofing panels are available in a wide variety of widths from 12” to 20”. Materials available include 22 and 24 gauge steel; .032 and .040 aluminum.

Regional Availability
PAC-150 is produced only in Georgia and Maryland facilities; additional freight charges might apply.

Curved Applications
The PAC-150 panels can be curved to a minimum radius of 10’. Curving can be done in the field or at the factory depending on the radius and length of the panel. For details about curving capabilities, please contact the Acworth, Ga., or Annapolis Junction, Md., factories.

Photo above:
Vinita Health Center, Vinita, OK
Owner: Cherokee Nation
Architect: Childers Architect
General contractor: Flintco Constructive Solutions
Installing contractor: Harness Roofing
Profile: Snap-Clad
Color: Granite
**PAC-150 90° SEAM**

**MATERIALS**
- .032 aluminum
- .040 aluminum

**SPECS**
- 12", 16", 18"
- or 20" O.C.
- 1-1/2" High

**PAC-150 180° SEAM**

**MATERIALS**
- .032 aluminum
- .040 aluminum

**SPECS**
- 12", 16", 18"
- or 20" O.C.
- 1-1/2" High

---

**PRODUCT FEATURES**

- 30-year non-prorated finish warranty
- Available in four pan variations; smooth, striated, pencil rib or flat rib. Check locally for panel condition availability
- Corrective-leveled coil
- Maximum panel length of 64’ when factory or shop-formed but virtually unlimited when field-formed
- Mechanically seamed in the field to 90° or 180°

**MATERIAL**

- 43 stocked colors (24 gauge steel)
- 15 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- Galvalume Plus available

**UL CLASSIFICATION**

- UL-580
- UL-1897
- TAS-125

**FLORIDA BUILDING PRODUCT APPROVALS**

Contact the Acworth, Georgia facility for PAC-150 product approvals.

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Photo below:
Westminster Woods, Jacksonville, FL
Owner: Westminster Communities of Florida
Architect: Basham & Lucas Design Group
Installing contractor: Mac Johnson Roofing
Profile: Snap-Clad
Color: Galvalume
Flush panels are designed for wall, fascia and soffit applications where a flush or flat appearance is desired. A rounded interlock leg and concealed fastening system improves the flush appearance while providing additional strength. Panels are factory-formed to length to minimize field cutting. Maximum panel length is 25’ and minimum panel length is 4’.

Flush panels are available in on-center dimensions designed to complement Petersen’s roofing panel product line. Flush panels are available in Flush and Reveal joint configurations.

STIFFENING BEADS
The Flush and Reveal panels are available with optional stiffening beads. Stiffening beads are recommended for longer panel lengths. One or two beads are available.

INSTALLATION
Flush panels shall be installed over a solid substrate with appropriate 30# felt or ice and water shield, or in limited applications over framing sections. When used in a windscreen application, panels must be fastened (stitched) through side joints. Consult a local architect/engineer for requirements of local codes and conditions.

CORRECTIVE LEVELING
Petersen’s Flush panels are formed on precision roll-forming equipment that includes in-line Herr-Voss corrective levelers. Corrective leveling removes typical metal conditions including coil set, crowning and edge wave. In-line leveling capabilities allow us to work with source material that is “stillwater” flat. The result is a panel that exhibits superior flatness. Corrective leveling is available at no extra charge.

TRIM
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 -.063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Vinyl masking is recommended on all fabrication applications where extra handling is expected.
Goose Creek High School, Goose Creek, SC  
Owner: Berkeley County School District  
Architect: SGA Architecture  
Installing contractor: Glasgow Roofing  
General Contractor: Thompson Turner Construction  
Distributor: Roofer’s Supply of Greenville  
Profiles: HWPC, Flush Panel with pencil ribs  
Color: Silver

PRODUCT FEATURES

- Corrective leveled for superior flatness
- Available with up to two stiffener beads
- Rounded interlock leg provides improved flush fit
- 30-year non-prorated finish warranty
- Panel lengths up to 25’

MATERIAL

- 43 stocked colors (24 gauge steel)
- 15 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- Galvalume Plus available

ASTM TESTS

- ASTM E330 tested - 12” only

FLORIDA BUILDING PRODUCT APPROVALS

Please refer to pac-clad.com or your local factory for specific product approval numbers for Flush panels.

*Limited color availability. 12” O.C. has reduced fastening flange. A complete specification is available online at pac-clad.com.
PRECISION SERIES WALL PANELS

**PRODUCT FEATURES**
- No-clip panel, or clip installation for expansion/contraction
- Multiple rib patterns provide a variety of looks and design options
- Panel depths of 7/8” or 1-3/8”
- Cost-effective installation
- Horizontal or vertical installation
- Panel lengths: 30’ maximum for steel;
- 22’ maximum for aluminum; longer lengths available on clip panels

**MATERIAL**
- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 15 stocked colors (22 gauge steel)
- 22 stocked colors (.040 aluminum)
- 29 stocked colors (.050 aluminum)
- Galvalume Plus available

**TESTS**
- ASTM E330
- ASTM E283
- ASTM E331
- ASTM 501.1-05
- ASTM 1592

**FLORIDA BUILDING PRODUCT APPROVALS**
Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.

**HWP**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 12” or 16” Wide
- 7/8” High

**HIGHLINE B1**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 11.356” Wide
- 1-3/8” High

**HIGHLINE B2**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 15.356” Wide
- 1-3/8” High

**PRODUCT FEATURES**
- No-clip panel, or clip installation for expansion/contraction
- Multiple rib patterns provide a variety of looks and design options
- Panel depths of 7/8” or 1-3/8”
- Cost-effective installation
- Horizontal or vertical installation
- Panel lengths: 30’ maximum for steel;
- 22’ maximum for aluminum; longer lengths available on clip panels

**MATERIAL**
- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 15 stocked colors (22 gauge steel)
- 22 stocked colors (.040 aluminum)
- 29 stocked colors (.050 aluminum)
- Galvalume Plus available

**TESTS**
- ASTM E330
- ASTM E283
- ASTM E331
- ASTM 501.1-05
- ASTM 1592

**FLORIDA BUILDING PRODUCT APPROVALS**
Please refer to pac-clad.com or your local factory for specific product approval numbers for Precision Series panels.

**HWP**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 12” or 16” Wide
- 7/8” High

**HIGHLINE B1**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 11.356” Wide
- 1-3/8” High

**HIGHLINE B2**
**WITH OR WITHOUT CLIP**

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 15.356” Wide
- 1-3/8” High
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” depth, while the Precision Series Highline profiles are 1-3/8” deep to add visual intensity to a building’s exterior. Precision Series wall panels can be installed horizontally or vertically; consult Petersen rep for maximum length. Additionally, these wall panels can be specified as perforated for use in equipment screen applications or over graphics as seen on page 24.

**HIGHLINE C1**
WITH OR WITHOUT CLIP

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 11.356” Wide
- 1-3/8” High

**HIGHLINE C2**
WITH OR WITHOUT CLIP

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 15.356” Wide
- 1-3/8” High

**HIGHLINE M1**
WITH OR WITHOUT CLIP

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 12.043” Wide
- 1-3/8” High

**HIGHLINE S1**
WITH OR WITHOUT CLIP

**MATERIALS**
- .032 aluminum
- .040 aluminum
- .050 aluminum

**SPECS**
- 11.356” Wide
- 1-3/8” High

**HIGHLINE S2**
WITH OR WITHOUT CLIP

**MATERIALS**
- .050 aluminum
- 22 gauge steel

**SPECS**
- 15.356” Wide
- 1-3/8” High
PAC-CLAD WALL PANEL APPLICATIONS

AISD Performing Arts Center, Austin, TX
Owner: Austin Independent School District
Installing contractor: Texas Roofing Co.
Architect: Pfluger Associates Architects
General contractor: American Constructors
Profiles: Flush Panels, M-42 Panel
Colors: Burgundy, Colonial Red, Terra Cotta, Galvalume

IMG Academy, Bradenton, FL
Owner: By The Hand
Installing contractor: Sutter Roofing Co.
Architect: Fawley-Bryant
General contractor: Tandem Construction
Distributor: ABC Supply
Profiles: Highline S1
Colors: Cityscape, Musket Gray

Moving Everest Charter School, Chicago, IL
Owner: By The Hand
Architect: Team A
General contractor: Novak
Installing contractor: WBR Roofing
Profiles: 7/8-in. corrugated, 7/8-in. perforated
Color: Charcoal
Private Residence, Wimberley, TX
Architect: Carson Design Associates
Installing contractor: Dean Contracting Co.
Profiles: Snap-Clad, Precision Series Wall Panel, Composite Panels
Color: Galvalume

Alma Brewer Elementary, Lytton Springs, TX
Owner: Lockhart Independent School District
Installing contractor: Dean Contracting Co.
Architect: Huckabee Inc.
General contractor: Joeris General Contractors
Profiles: HWP, Flush Soffit, Flush Wall
Colors: Slate Gray, Colonial Red, Burgundy

Grammy Museum of Mississippi, Cleveland, MS
Owner: Cleveland Music Foundation
Architect: Dale Partners Architects
Installing contractor: Ralph Jones Sheet Metal
Profiles: ½-in. Corrugated, Tite-Loc Plus,
Flush Panels, 7.2 Panel perforated
Colors: Weathered Zinc, Bone White, custom color Olive
The Precision Series Tiles collection from Petersen includes four metal tile profiles that offer designers, specifiers and installers an alternative to roll-formed panel-style cladding. The stamped tiles can be applied to roof or wall installations, and are offered in four styles including Flat, Cupped, Diamond and TS. Designed to enhance architectural design, the tiles add dimension to the exterior of any structure. The tiles can be applied to either non-residential or residential environments, and are covered by the PAC-CLAD 30-year finish warranty.

The interlocking tiles are formed using progressive tooling to create a uniform and cost-effective cladding solution. This system installs directly over plywood or elevated channels using concealed fasteners. No sealant is required for the tiles’ breathable joints. Thermal gain and movement is not an issue, as the small size of each tile means movement will be minimal. Only basic sheet metal tools are required to work with these products. Minimum slope of 3:12 for roof applications.

### PRODUCT FEATURES

**MATERIAL**
- 43 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 12 colors (LIC stainless)
- Zalmag® coated steel (26 gauge)

**ASTM TESTS**
- ASTM E283
- ASTM E330
- ASTM E331

**UL CLASSIFICATION**
- UL 580-1897

**AAMA TESTS**
- AAMA 501.1

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**CUPPED TILE**

**FLAT TILE**

**DIAMOND TILE**

**TS TILE**

Project: Print Shop - Cambridge, MA
Profile: Flat Tile
CUPPED TILE
The cupped tile catches light at multiple angles that creates a multi-shade effect as viewing perspective changes. In roof applications, installers can safely walk on the cupped tiles during installation.
- Nominal: 15” x 9-5/8”
- Exposed: 14-1/2” x 8-5/16” +/- 1/16”

FLAT TILE
The flat tile has the flexibility to integrate with both modern and traditional designs.
- Nominal: 15” x 9-5/8”
- Exposed: 14-1/2” x 8-5/16” +/- 1/16”

DIAMOND TILE
Diamond tiles can be installed horizontally, or on an angle to achieve a diamond or clapboard pattern.
- Nominal: 8-5/16” x 9-3/4”
- Exposed: 7-1/4” x 8-5/16” +/- 1/16”

TS TILE
The TS tile’s larger height creates a vertically oriented pattern.
- Nominal: 7-3/4” by 17-1/4”
- Exposed: 7-1/4” by 16-1/4” +/- 1/16”
Petersen offers a complete line of exposed fastener panels, allowing for unmatched design flexibility in a cost-effective yet architecturally attractive metal panel. The versatile 7.2 panel, R-36 and 7/8” Corrugated panels can be specified for a wide range of building envelope applications including roofs, walls and linear panels. The R-41, M-36, M-42 and 1/2” Corrugated panels are suitable for wall and equipment screen projects.

TRIM
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance.

Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

PRODUCT FEATURES
- 30-year non-prorated finish warranty
- Matching screws and rivets
- Closure strips available
- Precut short lengths (5'-0" minimum) (2'-0" on the M-42 and R-41)
- Panel lengths up to 38'

MATERIAL
- 43 stocked colors (24 gauge steel)
- 15 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- 29 stocked colors (.050 aluminum)
- Galvalume Plus available

FLORIDA BUILDING PRODUCT APPROVALS
Please refer to pac-clad.com or your local factory for specific product approval numbers for exposed fastener panels.

AVAILABILITY
M-42 and R-41 are only available in 24 gauge steel and .032 aluminum.
*Note: The M-36, M-42 and the R-41 Panels are not intended for use in the construction of metal buildings or structural roof applications. Please consult with Petersen regarding the application of this panel.

A complete specification is available online at pac-clad.com.
PERFORATED METAL

PERFORATION OPTIONS

Petersen Aluminum offers several wall and soffit profiles for perforation in a nearly endless combination of hole sizes and patterns to complement virtually any architectural design or need. Perforated metal can provide a contrasting look with any non-perforated metal to create visual interest on any project. Perforated panels can be specified to diffuse light, air or sound, or simply for architectural flair. Typical applications include equipment screens, partitions, sign panels, parking decks, guards, interior acoustical applications and enclosures of any kind. Aluminum can be perforated for any project, but perforated steel is limited to interior applications only. An extra charge is applied for perforation. Check with local facility for specific panel profiles that can be perforated.

A NEARLY ENDLESS RANGE OF HOLE SIZES AND SPACING IS AVAILABLE. THE MOST POPULAR EXAMPLES ARE SHOWN BELOW.

1/4” Round Holes
3/8” Staggered Centers
40% Open Area

3/16” Round Holes
5/16” Staggered Centers
33% Open Area

1/8” Round Holes
1/4” Staggered Centers
23% Open Area

I-Drive 360 Parking Deck, Orlando
Owner: I-Drive Live 360
Architect: Finfrock
General contractor: Finfrock
Installing contractor: Mullets Aluminum Products
Profiles: 7.3 Corrugated – perforated
Color: Musket Gray

Sunrise Mainline Toll Plaza - Ft. Lauderdale, FL
Owner: Florida Turnpike Enterprise
Contractor: Allied Architectural Metals
Profile: 7/8” corrugated panels, custom perforated .125 plate aluminum
Design: RS&H
Lead Contractor: MCM Corp.
Color: Silver Metallic
Petersen is stocking the patented ColorGard snow retention system. ColorGard is the only product available which will precisely match the color of any Petersen roof panel. ColorGard achieves this by utilizing a strip of the actual roof material, which is then mounted directly into ColorGard for a perfect match. This strip can be cut in the field or at our factory.

ColorGard utilizes the patented S-5 Clamp for its strength. The S-5 technology involves gripping the seam in such a way that there is no penetration to the panel material. S-5 utilizes round-point set screws for attachment which are specially made for the S-5 ColorGard or SnoFence™ snow retention system. These systems eliminate minimum temperature installation requirements and messy adhesives to apply. ColorGard can be installed at any temperature. For more information regarding ColorGard please contact your local Petersen representative.

In addition to offering the industry’s widest selection of 70% full PVDF (Kynar) finishes in steel and aluminum, Petersen also provides mill finish sheet and coil in a variety of gauges and widths. Anodizing-quality 5005-H34, as well as 3003-H14, is stocked in gauges .032 to .125 for all applications that require fabrication and post-finishing. With its state-of-the-art, cut-to-length and slitting equipment, Petersen can provide flat sheet and coil to exact specifications.
Petersen offers superior design versatility for soffit applications by providing the PAC-750/850 Soffit panels, as well as the Flush panel in a variety of gauges and widths. Both pre-formed profiles are effective solutions in soffit projects, and with the aluminum substrate can be ventilated for increased airflow capacity.

**PAC-750 SOFFIT PANELS**

Petersen offers a pre-formed soffit panel suitable for both commercial and residential use. These panels are roll-formed from .032 aluminum. Panels are 12” wide with a “vee” groove every 6” center-to-center and furnished in continuous lengths of up to 25’. Minimum panel length is 20”.

**PAC-850 SOFFIT PANELS**

PAC-850 Soffit panels utilize an innovative hook-and-grab interlock. These panels are roll-formed from .032 aluminum. Panels are 12” wide with a “vee” groove every 6” center-to-center and furnished in continuous lengths of up to 25’. Minimum panel length is 20”.

**SOFFIT VENTING**

The PAC-750 and PAC-850 Soffit panels can be perforated to allow for air flow and under-eave ventilation. Both PAC-750 and PAC-850 are available fully vented, half vented or solid. See illustrations on page 33 for examples.

**SOFFIT “J” CHANNEL**

Petersen can provide soffit “J” Channel as trim to match any of our soffit panels. “J” Channel is available in lengths up to 12’ in matching colors.

**FLUSH PANELS**

The Flush panel and Reveal panel may be specified for use as soffit panels. They are roll-formed from .032 aluminum, .040 aluminum, 24 or 22 gauge steel and tension-leveled to ensure flatness.

Stiffener beads can be added to the Flush panel for increased strength and aesthetics. Stiffener beads are recommended for longer panel lengths. One or two beads are available at no additional cost.

**FLUSH VENTING**

The Flush panels in aluminum are available ventilated. Consult the local factory for venting options.

---

**PRODUCT FEATURES**

- Four profiles available
- Perforation available for ventilation on aluminum only
- Roll-formed to exact lengths
- Matching “J” trim available
- 30-year non-prorated finish warranty

**MATERIAL**

- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- Galvalume Plus available (Flush/Reveal soffit only)
- 43 stocked colors (24 gauge steel) (Flush/Reveal soffit only)
- 15 stocked colors (22 gauge steel) (Flush/Reveal soffit only)

**ASTM TESTS**

- ASTM E330 Tested: Flush panel (12” only) and PAC-850

**FLORIDA BUILDING PRODUCT APPROVALS**

Please refer to pac-clad.com or your local factory for specific product approval numbers for soffit panels.

**OPEN AIR PERCENTAGES (750/850/FLUSH)**

(These percentages are nominal and may vary per profile)

- Half vented (750/850) - 6%
- Full vented (750/850) - 12%
- Wide vent (Flush/Reveal) - 12%
- Narrow vent (Flush/Reveal) - 6%
SPECS
7”, 11”, or 12” O.C. 1” High

MATERIALS
0.032 aluminum 24 gauge steel
0.040 aluminum* 22 gauge steel*

*S Limited color availability

SOFFIT FLUSH/REVEAL
7”, 11”, or 12” O.C.

Sullivan’s Island Elementary School, Sullivan Island, SC
Owner: Charleston County School District
Architect: Cummings and McCrady Architects
Installing contractor: Keating Roofing & Sheet Metal Co.
Profiles: Tite-Loc Plus, Flush Panels, Flat Sheet
Colors: Champagne, Almond
Petersen offers another dimension in design flexibility with its series of composite wall panels. PAC’s panel systems provide unmatched performance and stunning visual effects for any commercial or retail application.

The PAC-3000 CS panels are comprised of a .020 face and back skin thermobonded to a polyethylene or fire-retardant core. Panels are formed by a rout-and-return process utilizing computer-controlled routing equipment. This state-of-the-art fabrication ensures tight tolerances and accurate panel dimensions. Staggered angle clips mounted to the panel allow for each panel to be installed and adjusted individually.

The PAC-3000 RS is a rain-screen system that eliminates the use of caulk, utilizing clean reveals for an architecturally pleasing system. The system is constructed with metal composite material (MCM), available in a wide range of finishes and colors to complement any design scheme. Extrusions are fixed to the perimeter of the panel and nest into the extruded track which is attached to the substrate. The result is a free-floating panel installation since the panel is not fastened to the substrate.

COLORS
The PAC-CLAD colors on pages 8-9 do not apply to composite panels. Consult Petersen rep for color options.

PRODUCT FEATURES
- Available in a wide variety of colors and finishes
- Precise fabrication to meet exacting tolerances
- Rout-and-return fabrication
- Welded corners available

MATERIAL
- 3mm, 4mm, 6mm – Composite

TESTS
- ASTM E283
- ASTM E330
Petersen maintains complete flashing fabrication capabilities in each of its plant locations to produce trim for our panel profiles. Fabrication capabilities include press-breaking, shearing, notching and welding.

Each trim accessory is factory-formed in a gauge appropriate to the end-use application. Precisely matched color and finish quality is assured. For projects in which installer fabrication is preferred, flat sheet is available for immediate shipment.

A complete set of flashing details for each panel profile is available on our website at pac-clad.com, and includes detailed drawings for many flashing conditions. These flashing details should be followed, especially for any projects requiring a weathertightness warranty. Assistance with difficult or unusual flashing conditions also is available by contacting the local factory.

In addition to standard details, Petersen can provide custom fabrication to meet the most exacting requirements. Please contact Petersen for assistance with custom architectural elements.

Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

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**ANODIZED ALUMINUM**

**PAC 500 BRONZE ANODIZED ALUMINUM**

Petersen’s PAC 500 anodized finishes include a wide range of architectural bronzes and black. A complete range of bronze shades and black can be achieved. PAC 500 is highly resistant to ultraviolet light. With anodized finishes, a color variance is to be expected from batch to batch, so please order enough sheet or coil to complete a project.

**PAC 300 CLEAR ANODIZED ALUMINUM**

PAC 300 clear anodized aluminum consists of anodized quality 5005-H34 aluminum sheet, giving a .0003 thick clear anodized coating. Coil anodizing allows for exceptional control over uniformity of appearance. PAC 300 anodized aluminum is stocked in gauges .032-.125.

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**PAC 300 CLEAR ANODIZED ALUMINUM**

PAC 300 clear anodized aluminum consists of anodized quality 5005-H34 aluminum sheet, giving a .0003 thick clear anodized coating. Coil anodizing allows for exceptional control over uniformity of appearance. PAC 300 anodized aluminum is stocked in gauges .032-.125.
As a key protective element, roof edge and perimeter products are necessary to maintain the integrity of all flat roofing systems. Petersen offers a complete line of fascia and coping products to meet the most stringent engineering requirements as well provide the ideal finishing touch for superior aesthetics.

**FASCIA**

Designed with strength and performance in mind, PAC-Tite fascia products are tested to ANSI/SPRI/FM 4435-ES-1 standards for full compliance with the specification. Available in a multitude of steel and aluminum gauges and face heights, PAC-Tite fascia can meet the needs of any project condition. A lifetime 215 mph warranty is available for PAC-Tite fascia products. For additional design options, Petersen provides the PAC-LOC and the Snap Edge fascia systems.

Each project is custom fabricated and produced to exacting jobsite requirements to ensure proper fit and superior functionality. Available in 45 PAC-CLAD colors, as well as anodized finishes, Petersen fascia products can complement any building’s exterior. Additionally, the products are designed with ease of installation as a priority, and 12' lengths reduce material handling for an estimated 20 to 40 percent savings on labor. Competitive pricing and superior lead times allow the project to stay on budget and on schedule.

Petersen’s fascia and coping systems typically exceed project specifications. Our roof edge systems provide unmatched uplift protection for single-ply and built up/modified roof systems.

Fascia system features include:
- Superior, efficient design for ease of installation
- Extensively tested for reliable, long-term performance
- Welded corners and scuppers available (for aluminum products only)
- Wide variety of colors and finishes
- Pre-punched, slotted holes for precise fastener placement
- Non-penetrating design maintains watertightness integrity
- Reusable and recyclable material
- Custom and radius capabilities available

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**FASCIA SYSTEMS**

**PAC SNAP EDGE FASCIA**

![Fully Adhered/ Mechanically Attached Single-Ply (FA)](image1)

![Stone Ballast Single-Ply (SB)](image2)

![Built-Up/ Modified (BUM)](image3)

**PAC EXTENDED SNAP EDGE FASCIA**

![Fully Adhered/ Mechanically Attached Single-Ply (FA)](image4)

![Built-Up/Modified (BUM)](image5)

**PAC-TITE WT FASCIA**

![Fully Adhered/ Mechanically Attached Single-Ply (FA)](image6)

![Built-Up/Modified (BUM)](image7)

**PAC-TITE WT EXTENDED FASCIA**

![Fully Adhered/ Mechanically Attached Single-Ply (FA)](image8)

![Built-Up/Modified (BUM)](image9)

**PAC-TITE WT CANTED FASCIA**

![WT Extended Canted Fascia w/ Galvanized Waterdam](image10)

![WT Canted Fascia w/ Galvanized Waterdam](image11)

**PAC-LOC FASCIA**

![PAC-LOC FASCIA 2000](image12)

![PAC-LOC FASCIA 3000](image13)

**PAC-TITE ANGULAR FASCIA**

![Fully Adhered/ Mechanically Attached Single-Ply (FA)](image14)

![Built-Up/ Modified (BUM)](image15)
COPING SYSTEMS

COPING

Petersen’s coping systems are the complete package, providing specifiers and contractors with unmatched strength, beauty, ease of installation and verified performance through rigorous testing. Available in many versions, PAC-Tite coping systems provide versatility for use on a variety of parapet conditions, including flat, tapered and existing slope.

Featuring a snap-on design, the coping products ensure positive attachment and stability to the roof edge system. PAC-Tite, PAC-Tite Gold and Continuous Cleat coping systems are FM approved for wind uplift protection. PAC-Tite Gold is tested per the ANSI/SPRI/FM 4435 ES-1 Standard. Superior engineering does not compromise the coping system’s simplicity, as it is designed for easy installation to reduce labor costs.

Coping can be customized to meet any unique design requirement including wall widths up to 32” and radius conditions, and precise fabrication can produce miters and transitions to the most exacting demands.

Coping system features include:
- Elimination of field-crimping for certain products
- Wide variety of colors and finishes
- Compliant with most relevant building codes
- Superior, efficient design for ease of installation
- Custom fabricated to the specific job requirements to ensure superior fit
- Extensively tested for reliable, long-term performance
- Miami-Dade approved coping systems: PAC-Tite and PAC-Tite Gold
- Lifetime 215 mph warranty for PAC-Tite Gold and 20-year, 110-mph warranty for PAC-Tite and Continuous Cleat coping systems
- Convenient 12’ lengths
- Reusable and recyclable material
- Custom and radius capabilities available

University of Texas at Dallas Student Housing Living/Learning Center II, Richardson, TX
Owner: University of Texas at Dallas
Architect: Jacobs Engineering Group
General contractor: Hill & Wilkinson Construction Group
Installing contractor: American Roofing & Metal Co. Inc.
Products: Anchor-Tite Coping
Color: Silver Metallic

PAC-TITE COPING

Tapered
Flat
Existing Slope with Nailer

PAC-TITE GOLD COPING

PAC-CONTINUOUS CLEAT COPING
GENERAL CONSIDERATIONS

The following is a summary of conditions and considerations that Petersen considers important when specifying PAC-CLAD metal products. For more project-specific information, please contact 1-800-PAC-CLAD.

FINISHES
PAC-CLAD panels are available standard with a 70% full PVDF finish. Please refer to the color information on pages 8 and 9 for color selection. Samples and photo-accurate color charts are available for your assistance.

SPECIAL COLORS
Special colors are available for most applications of greater than 10,000 ft\(^2\) and may be applied to either aluminum or G-90 galvanized steel. Contact Petersen for information concerning costs and availability.

INSTALLATION
Special care must be taken to ensure that panels are installed over a flat substrate. For roofing applications, panels typically must be installed over 5/8” or 3/4” plywood decking with ice and water shield or 30# roofing felt (minimum) horizontally overlayed from the eave to the ridge. It is recommended that clips be installed on 18” centers for all applications except Snap-Clad, Tite-Loc Plus and Tite-Loc (consult specific UL Construction assemblies for clip spacing). Consult a local architect/engineer for requirements of local codes and conditions.

ACCESSORIES
Most applications require additional metalwork including fascia, storefront trim, copings, gravel stops, downspouts, etc. Such metalwork may be specified for fabrication by manufacturer or for fabrication from flat sheet as provided by manufacturer. Flashings fabricated from PAC-CLAD flat sheet are fully covered under Petersen’s 30-year finish warranty.

PAC-CLAD flat sheet provides an exact color match to PAC-CLAD panels. PAC-CLAD flat sheets, coil and fabricated trim accessories are available with a strippable masking applied. This masking is recommended on all applications requiring extra handling. NOTE: This strippable film must be removed immediately after installation.

PANEL CONDITIONS/VARIATIONS
Pencil ribs (also known as stiffening beads) and striations must be requested by the customer.

LENGTHS
All panels are cut to custom lengths before roll-forming and are available in lengths up to 64’. See specific product pages for maximum panel lengths. Minimum length is 4’. Consult factory for longer lengths. Lengths are accurate to 1/4”.

Custom cut-to-length service is available at no cost and helps to improve project economy.

PANEL WIDTHS
Most PAC-CLAD panels are available in non-standard on-center dimensions. Contact Petersen for product availability and cost. PAC-CLAD panel standard widths are nominal and could vary.

PITCH
Tite-Loc panels are designed for a roof pitch of 1/2:12 or greater. Snap-Clad panels have been designed to be installed on applications as low as 2:12 pitch. Redi-Roof panels and Snap-On panels have been designed for a minimum 3:12 pitch. Greater pitch may be required in snow country and in areas of extreme climate conditions.

Photo above:
Private Residence, Florida
Architect: T. S. Adams Studio Architects
Installing contractor: Cartercraft Roofing
General Contractor: Ray Jackson Construction
Profiles: PAC-150, Flush Panels
Colors: Weathered Zinc, Champagne
FIRE RATINGS
PAC-CLAD panels have been evaluated by Underwriters Laboratories for inclusion in a variety of fire-rated “P-Assemblies” and are classified in section CETW of the UL Fire Resistance Directory - Vol. 1. Several panel assemblies have been evaluated as Class A fire-rated. Contact PAC for complete information on components and assemblies.

OIL CANNING
All Petersen material is prime-quality aluminum, G-90 galvanized or galvalume steel. All materials are specified for roll-forming applications and are, as such, stretcher- and tension-leveled. Panels are inspected in the plant for flatness before shipment. Job-site conditions such as temperature variation, unlevel substrate and/or improper installation may promote oil canning. Oil canning does not affect the finish or structural integrity of the panel and is therefore not cause for rejection.

WARRANTY
A 30-year finish warranty is available covering cracking, peeling and color fade on all PAC-CLAD applications. PAC-CLAD is a 70% full PVDF finish and therefore offers the highest-quality 30-year non-prorated finish warranty available. Finish warranty terms for Cardinal Red, Award Blue and Interstate Blue and all metallic finishes as well as embossed finishes vary slightly. Please refer to pac-clad.com for further details.

Petersen also offers a coastal finish warranty for projects located in the vicinity of the coast or saltwater environments. Aluminum substrates, with stainless steel clips and fasteners, must be used to qualify for the coastal warranty.

For projects utilizing Snap-Clad, Tite-Loc or Tite-Loc Plus factory-formed standing-seam panels, weathertightness warranties for terms up to 30-years are available. Projects must be submitted and pre-approved by PAC technical personnel prior to ordering.

STORAGE
Materials should be stored in a clean, dry place. Suitable facilities for storage and protection of material should be provided at the job site. Store materials out of traffic areas to prevent dents, bending, abrasion, etc.

LIMITATIONS ON LIABILITY
Neither Petersen nor its customer shall be liable for special, indirect or consequential damages. The liability of Petersen in the event of the sale of its products shall be limited to replacement of any defective or nonconforming products or refund of the purchase price.
SNAP-CLAD PANELS
TITE-LOC PANELS
SNAP-ON PANELS
REDI-ROOF PANELS
PRECISION SERIES WALL PANELS
FLUSH PANELS
EXPOSED FASTENER PANELS
FASCIA SYSTEMS
COPING SYSTEMS
SOFFIT PANELS
COIL AND FLAT SHEET