THE ART OF ARCHITECTURAL METAL

PAC-CLAD® PRODUCT RANGE

Petersen Aluminum Corporation was founded in 1965 as a metals service center to the architectural metal industry. At Petersen we strive to provide products of the highest possible quality within reliable, dependable lead-times. Our strong national sales base allows PAC to maintain large inventories and cost economies to our customers.

Headquartered in Elk Grove Village, IL, located just outside of Chicago, Petersen Aluminum also operates full production facilities in Annapolis Junction, Maryland; Tyler, Texas; Acworth, Georgia; and Fridley, Minnesota. In addition to the information found in this catalog, we maintain an extensive website (www. pac-clad.com). Our complete catalog is available in standard 3-ring binder as well as CD-ROM format and within our e-binder on our website.

Technical assistance and service are provided by our staff and complemented locally by our nationwide organization of architectural representatives. We are prepared to offer assistance in material selection, finish specification, and budgeting. As the scope of our applications is so wide, we encourage your inquiries.

PAC-CLAD ARCHITECTURAL SHEET AND COIL

PAC-CLAD is a versatile prefinished sheet metal coating (Kynar 500® or Hylar 5000®) 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, curtainwall, storefront and trim applications. PAC-CLAD is

now available in 38 colors carefully selected to complement a range of building materials.

PAC-CLAD PANELS

Petersen Aluminum is an industry leader in providing factory-produced metal panels, maintaining extensive roll-forming equipment in each of our regional facilities. Each of our roll formers provides 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 feet. 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 Aluminum fabricates a wide range of roofing accessories from our stocked PAC-CLAD colors and gauges. Trim, gutters and downspouts can all be produced from our 38 standard colors. **For complete information on our coping and fascia products, please see our Perimeter/ Roof Edge Systems catalog or visit www.pac-clad.com.**
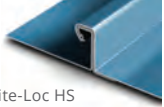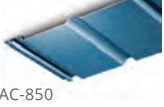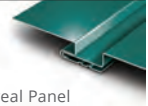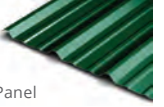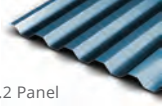
TABLE OF CONTENTS

PAGES   CONTENT

Cover Photo:
New College of Florida Academic Building - Sarasota, FL
Owner: State University System of Florida
Architect: Moule & Polyzoides Architects
Roofing Contractor: Murton Roofing, a TECTA America Company
Profiles: Tite-Loc Plus, PAC-850
Color: Zinc Metallic

Sarasota Yacht Club - Sarasota, FL
Owner: Sarasota Yacht Club
Architect: DSDG Inc.
Roofing Contractor: All Steel Consultants, Inc.
Profile: Tite-Loc Plus
Color: Silver Metallic

Scottish Rite Cathedral Association Headquarters - Bloomingdale, IL
Owner: Scottish Rite Cathedral Association
Architect: Thompson, Ventulett, Stainback & Associates, Inc.
Roofing Contractor: Anthony Roofing, a TECTA America Company
Profile: Curved Tite-Loc
Color: Granite

St. Joseph Mercy Canton Center for Advanced
Medicine and Surgery - Canton, MI
Architect: HKS Architects, P.C.
General Contractor: George W. Auch Company
Roofing Contractor: Lutz Roofing Company, Inc.
Distributor: Oakland Metal Sales, Inc.
Profiles: Tite-Loc Curved, Snap-Clad, Flush Panel, PAC-3000 CS
Color: Hemlock Green

Bay Forest Clubhouse - Ocean View, DE
Owner: Bay Forest LLC/Natelli Communities
Architect: Kishimoto, Gordon, Dalaya PC
General Contractor: Main Street Commercial
Profile: Snap-Clad
Color: Silver

SE Regional Headquarters & Baseball Stadium - Warner-Robins, GA
Architect: JMA Architects Inc.
Distributor: CRS/Commercial Roofing Specialties
Roofing Contractor: Aegis Roofing
Profiles: Tite-Loc Curved & Snap-Clad
Color: Dark Bronze

Joe P. Eblen Intermediate School - Asheville, NC
Owner: Buncombe County Schools
Architect: Architectural Design Studio, P.A.
Roofing Contractor: Peach State Roofing
Roofing Distributor: CRS/Commercial Roofing Specialties
Profiles: Tite-Loc Plus, 7.2 Panel, M-36 Panel, 7/8" Corrugated Panel, PAC-850
Colors: Bone White, Champagne, Colonial Red & Arcadia Green

Chapel Complex & Religious Education Facility - Ft Hood, Texas
Architect: GSC Architects
General Contractor: Solis Constructors, Inc
Roofing Contractor: A.D. Willis Company Roofing & Sheet Metal
Profile: Snap-Clad
Color: Cityscape

Ortega Landing Marina and Condominiums - Jacksonville, FL
Architect: RINK Design Partnership (for Clubhouse)
Roofing Contractor: BBG Contracting
Profile: Snap-Clad
Color: Silver

Iowa City Fire Station #4 - Iowa City, IA
Owner: City of Iowa City
Architect: Rohrbach Associates PC
Roofing Contractor: Modern Builders, Inc.
Profiles: Curved & Tapered Tite-Loc, PAC-750, PAC-3000 AP Composite Panels
Colors: Granite, Bone White, Copper Penny

Randall B. Terry, Jr. Companion Animal Veterinary Medical Center,
North Carolina State University - Raleigh, NC
Owner: North Carolina State University
Architect: Small Kane Webster Conley Architects, & FWAJDB Architects
Roofing Contractor: JEDCO Construction
Profiles: Snap-Clad, 7.2 Panel, Reveal Panel, Continuous Cleat Coping
Colors: Custom Color Patina Green and Warm Silver

PAC-CLAD® COLOR CHART

STANDARD COLORS

Stone White*	Bone White*	Slate Gray*	Musket Gray*	Hunter Green*	Evergreen*	Hartford Green	Forest Green
Almond*	Sandstone*	Granite*	Charcoal*	Patina Green*	Arcadia Green*	Hemlock Green*	Teal*
Sierra Tan*	Terra Cotta*	Colonial Red*	Cardinal Red*	Berkshire Blue	Award Blue	Interstate Blue	Cityscape*
Medium Bronze*	Dark Bronze*	Burgundy	Mansard Brown*	Slate Blue*	Military Blue*	Midnight Bronze	Matte Black

METALLIC COLORS

Zinc*	Silver*
Copper Penny*	Aged Copper*
Champagne*	Weathered Zinc*

Due to the limitations of the four color printing process, this color chart is not an exact representation of our actual colors. Color charts and sample chips are available on request at no charge.

*Denotes PAC-CLAD Cool Colors

TRIM

PAC-CLAD is available in prime quality aluminum (.032 - .063), 24 gauge G-90 galvanized steel and 22 gauge Galvalume Steel, finished with a PAC-CLAD Kynar 500® / Hylar 5000® finish (top side), with a washcoat (bottom side). Other metals available include mill finish aluminum, copper, bare galvanized steel, stainless steel, Galvalume Plus and anodized aluminum.

A strippable vinyl film can be applied to coil, flat stock, or fabricated parts, for protection during fabrication and installation, if desired. Vinyl masking is recommended on all applications where extra handling is expected. **NOTE: The strippable film must be removed immediately after installation.**

FINISH WARRANTY

Life expectancy is 20 years plus on Kynar-finished materials. A 20-year, non-prorated warranty covering color fade, chalking, and film integrity is available at no extra charge. Warranty terms vary slightly for Cardinal Red, Award Blue, Interstate Blue and embossed finishes.

PAC-CLAD METALLICS

Petersen Aluminum 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 20 year, non-prorated finish warranty applies. This is a directional finish.

OUR COMMITMENT TO SUSTAINABILITY

PAC-CLAD products provide not only unmatched aesthetics and performance, but also an element of sustainability to any project. Where possible, our products include a high percentage of recycled material, which lowers the environmental footprint. Additionally, our products offer a long life span, and at the end of their extended service life, are 100% recyclable which may reduce the solid waste stream to landfills.

PAC-CLAD also offers the industry's widest range of color selections, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling energy savings performance. To meet this demand for sustainable and energy efficient products, PAC-CLAD offers 29 finishes that are listed with the Cool Roof Ratings Council, and 31 colors that are Energy Star® approved. In addition, 29 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 our green website – www.pacgreeninfo.com – for the most current information on sustainable cool metal roofing.

PAC-CLAD STANDARD COLORS	REFLECTIVITY	EMISSIVITY	3 YEAR EXPOSURE	SRI	STEEL 24 GA.	STEEL 22 GA.	.032	ALUMINUM .040	.050	.063	ENERGY STAR®
Almond	0.56	0.83	0.57	64	√	√	√	√	√		•
Arcadia Green	0.33	0.84	0.32	33	√		√				•
Bone White	0.71	0.85	0.71	86	√	√	√	√	√	√	•
Cardinal Red	0.42	0.84	0.41	45	√		√		√		•
Charcoal	0.28	0.84	0.28	27	√		√		√		•
Cityscape	0.37	0.85	0.34	39	√		√	√	√		•
Colonial Red	0.34	0.85	0.33	35	√		√	√	√		•
Dark Bronze	0.27	0.85	0.26	26	√	√	√	√	√	√	•
Evergreen	0.27	0.85	0.25	26	√		√				•
Granite*	0.36	0.84	0.35	37	√	√	√	√	√		•
Hemlock Green	0.30	0.85	0.31	30	√	√	√		√		•
Hunter Green	0.26	0.84	0.26	24	√		√				•
Mansard Brown	0.26	0.84	0.24	24	√	√	√	√			•
Medium Bronze	0.30	0.85	0.29	30	√	√	√	√	√	√	•
Military Blue	0.29	0.84	0.28	28	√		√				•
Musket Gray	0.32	0.84	0.31	32	√	√	√		√		•
Patina Green	0.34	0.85	0.33	35	√		√				•
Sandstone	0.51	0.83	0.51	57	√	√	√	√	√	√	•
Sierra Tan	0.38	0.85	0.35	40	√	√	√	√	√		•
Slate Blue	0.25	0.84	0.27	23	√		√				•
Slate Gray	0.38	0.84	0.37	40	√	√	√	√	√		•
Stone White	0.61	0.86	0.59	72	√	√	√	√	√	√	•
Teal	0.26	0.85	0.26	24	√		√				•
Terra Cotta	0.37	0.84	0.37	39	√		√		√		•
PAC-CLAD METALLIC COLORS											
Aged Copper	0.27	0.83	0.25	25	√		√		√		•
Champagne	0.45	0.78	0.41	57	√		√	√			•
Copper Penny	0.45	0.82	0.42	49	√		√	√	√		•
Silver	0.53	0.80	0.51	59	√		√	√	√		•
Weathered Zinc	0.27	0.80	0.27	23	√		√		√		•
Zinc	0.30	0.85	0.30	30	√		√	√	√		•
Galvalume Plus**	0.68	0.14	0.55	57	√						
PAC-CLAD STANDARD COLORS (DO NOT MEET COOL ROOF REQUIREMENTS)											
Award Blue					√		√		√		
Berkshire Blue*					√						•
Burgundy					√		√		√		
Forest Green					√	√	√	√	√		
Hartford Green					√		√	√	√		
Interstate Blue					√		√		√		
Matte Black					√		√	√	√	√	
Midnight Bronze							√				

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 C-1549. *Low Gloss/Low Sheen, full Kynar 500® or Hylar 5000® finish. **Acrylic coated, non-Kynar Finish.

Energystar® Performance Criteria:
Emissivity uses ASTM C1371. Reflectivity uses ASTM C1549.
Samples: These color reproductions are as accurate as modern printing technology will permit. Free material samples are available on request.
Technical Data for Kynar 500®/Hylar 5000® Coating:
• Life Expectancy: 20 years exposure: Chalk – rating of 8 or better. Color - <5ΔE (Hunter Units) change.
• Accelerated Weathering: (ASTM G-23 Type EH Apparatus) 5,000 hours: Chalk – rating of 8 or better. Color: ≤2ΔE (Hunter Units) color change.
• Solvent Resistance: (NCCA procedure 11-18, no comparable ASTM test) – Pass.

• Humidity Resistance: (ASTM D 2247, Apparatus A1) -2,000 hours, hot dipped Galvanized, or 3000 hours, aluminum: No field blisters.
• Salt Spray Resistance: (ASTM B 117), 3,000 hours, aluminum – No creep from scribe; no blisters. 1000 hours, hot dipped galvanized – creep from scribe not to exceed 1/16"; no blisters.
• Chemical/Acid Pollution Resistance: (ASTM D 1308) - Pass.
• Formability: (ASTM D 4145) – 1T – 3T, No loss of adhesion.
• Pencil hardness: (ASTM D 3363) – HB to 2H.

• Specular Gloss: (ASTM D 523) – At 60 degrees; Typical; 20 – 35 (low gloss/low sheen available).
• Abrasion Resistance: (ASTM D 968) – 65±10 liters.
• Adhesion: (ASTM D 3359) – No loss of adhesion.
• Impact Resistance: (ASTM D 2794) – 1/2" ball indenter, Gardner Impact tester: No cracking; no loss of adhesion.
• Flame Test (ASTM E 84) – Class A coating
Recycled Content: For information on recycled content, contact your PAC representative or visit www.pacgreeninfo.com.

SNAP-CLAD PANELS

Snap-Clad Panels feature architectural panel aesthetics as well as structural panel 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 feet and minimum panel length is 4 feet.

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 application 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 20-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.

USE HEMMING TOOL
TO FIELD BEND NOTCH

EAVE NOTCH (OPTIONAL)
AT FORMED SEAMS
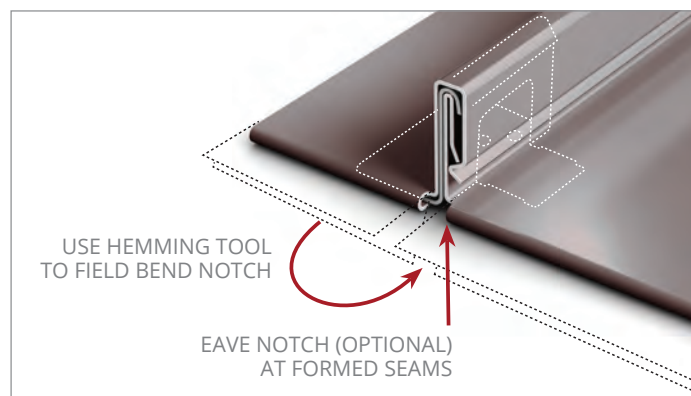
PRODUCT FEATURES

➤ Architectural/structural panel
➤ Herr-Voss corrective leveled
➤ Factory applied sealant available
➤ Continuous interlock
➤ Labor-saving one-piece design
➤ Stiffener beads available
➤ Striations available
➤ Factory eave notching available
➤ 20 year non-prorated finish warranty
➤ Factory produced panel lengths up to 64' (check w/ factory for longer lengths)
➤ Weathertightness Warranty available

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 13 stocked colors (22 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 stocked colors (.040 aluminum)
➤ Panels available in Galvalume Plus and 16 oz. copper

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 our website, www.pac-clad.com, or your local factory, for specific product approval numbers for Snap-Clad.
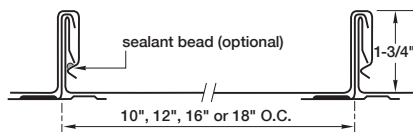
SNAP-CLAD

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

UL 90 CLASSIFIED

MATERIALS
.032 aluminum   24 gauge steel
.040 aluminum   22 gauge steel
16 oz. copper

sealant bead (optional)   1-3/4"

10", 12", 16" or 18" O.C.

Note: UL 90 is available on steel panels up to 18" on center, and on aluminum and copper panels up to 16" on center.

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

Photo at right:
New Hampshire Institute of Art - Manchester, NH
Architect: Dennis Mires, PA, The Architects
Panel Contractor: A.W. Therrien Co.
Material: .032 aluminum PAC-CLAD Flat Sheet
Profiles: Snap-Clad and Flush Panels
Color: Zinc Metallic
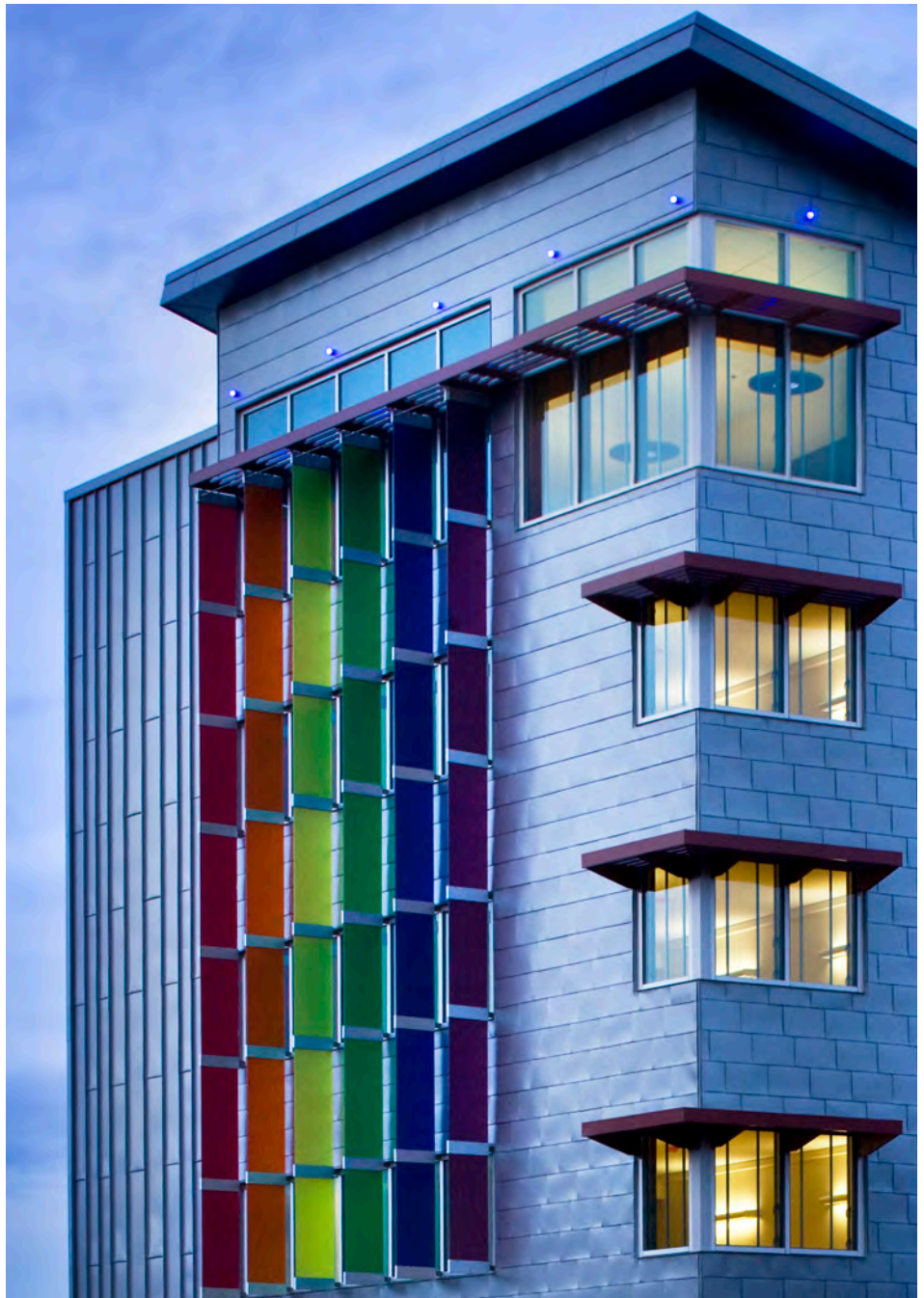
TITE-LOC PANELS

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 feet and minimum panel length is 4 feet. 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 20-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 detail assistance on projects. 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.

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'-0". 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 capabilities, please contact your local Petersen Aluminum factory.

PRODUCT FEATURES

➤ Herr-Voss corrective leveled
➤ Available in 4 variations shown below (check local factory for availability)
➤ 20 year non-prorated finish warranty
➤ Factory produced panel lengths up to 64' (check w/ factory for longer lengths)
➤ Weathertightness Warranty available

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 13 stocked colors (22 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 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

FLORIDA BUILDING PRODUCT & MIAMI-DADE PRODUCT APPROVALS

Please refer to our website, www.pac-clad.com, or your local factory, for specific product approval numbers for Tite-Loc Plus.
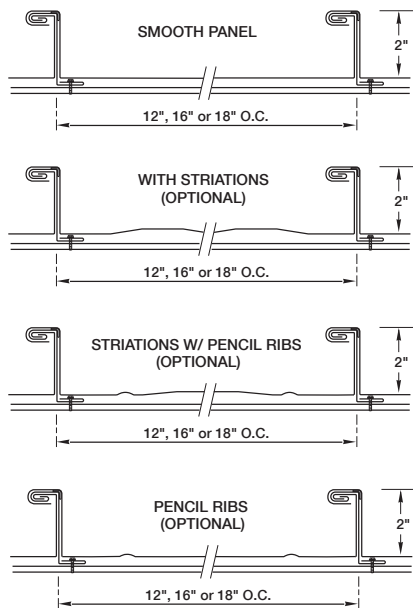

TITE-LOC

SPECS UL 90 CLASSIFIED
12", 16" or 18" O.C.
2" High

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

SMOOTH PANEL — 2" — 12", 16" or 18" O.C.
WITH STRIATIONS (OPTIONAL) — 2" — 12", 16" or 18" O.C.
STRIATIONS W/ PENCIL RIBS (OPTIONAL) — 2" — 12", 16" or 18" O.C.
PENCIL RIBS (OPTIONAL) — 2" — 12", 16" or 18" O.C.

TITE-LOC PLUS

SPECS UL 90 CLASSIFIED FM APPROVED **
12", 16" or 18" O.C.
2" High
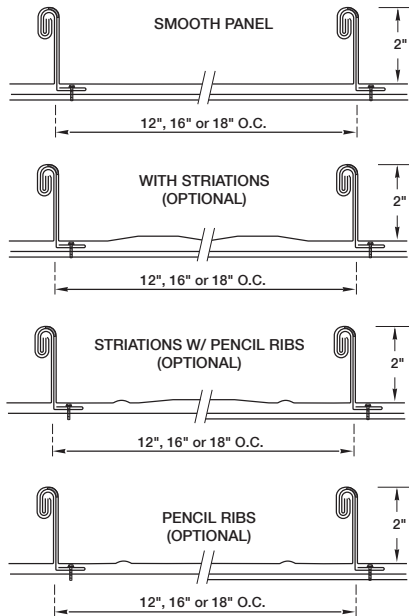
MATERIALS
.032 aluminum*   24 gauge steel*
.040 aluminum*   22 gauge steel*

SMOOTH PANEL — 2" — 12", 16" or 18" O.C.
WITH STRIATIONS (OPTIONAL) — 2" — 12", 16" or 18" O.C.
STRIATIONS W/ PENCIL RIBS (OPTIONAL) — 2" — 12", 16" or 18" O.C.
PENCIL RIBS (OPTIONAL) — 2" — 12", 16" or 18" O.C.

TITE-LOC HS

SPECS UL 90 CLASSIFIED
12", 16" or 17-5/8" O.C.
2" High

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

SMOOTH PANEL — 2" — 12", 16" or 17-5/8" O.C.
WITH STRIATIONS (OPTIONAL) — 2" — 12", 16" or 17-5/8" O.C.
STRIATIONS W/ PENCIL RIBS (OPTIONAL) — 12", 16" or 17-5/8" O.C.

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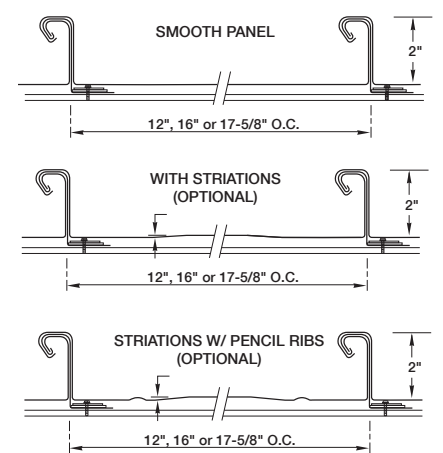
*24 gauge and 22 gauge steel and .032 and .040 aluminum panels are UL-90 classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory. **24 gauge and 22 gauge Tite-Loc Plus panels are FM Approved in 12" and 16" widths over 16 gauge open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

Note: Check with local factory regarding panel condition options. A complete specification is available online at www.pac-clad.com.

SNAP-ON PANELS

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 to be factory roll-formed in continuous lengths. Maximum panel length is 45 feet and minimum panel length is 4 feet.

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 20-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 Non-Penetrating 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 ft. 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
- 20 year non-prorated finish warranty
- Panel lengths up to 45'

MATERIAL

- 37 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 our website, www.pac-clad.com, or your local factory, for specific product approval numbers for Snap-On Panels.
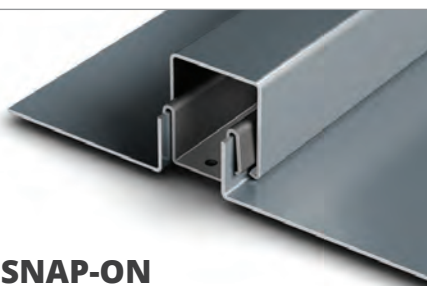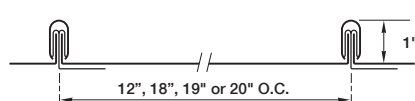

SNAP-ON STANDNG SEAM

SPECS

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

UL 90 CLASSIFIED

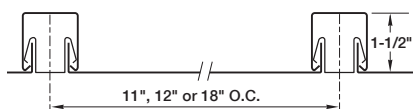**MATERIALS**

.032 aluminum   24 gauge steel*

1"

12", 18", 19" or 20" O.C.

SNAP-ON BATTEN

SPECS

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

UL 90 CLASSIFIED

MATERIALS

.032 aluminum   24 gauge steel*

1-1/2"

11", 12" or 18" O.C.

HIGH SNAP-ON STANDING SEAM

SPECS

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

UL 90 CLASSIFIED

MATERIALS

.032 aluminum   24 gauge steel*

1-1/2"

11", 18" or 19" O.C.
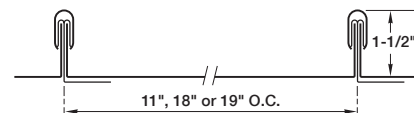
Bank of Georgia - Newnan, GA
Architect: Jefferson Brown Design Group
Roofing Contractor: A.L. Nash Roofing Company
Roofing Distributor: CRS/Commercial Roofing Specialties
Profile: Snap-On Standing Seam
Color: Medium Bronze

*12" and 18" 24 gauge steel Snap-On Standing Seam panels & 11" and 18" 24 gauge steel High Snap-On Standing Seam panels are 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 www.pac-clad.com.

Photo on bottom of page 13:
Shenandoah University History and Tourism Center - Winchester, VA
Architect: Bartzen & Ball
Contractor: Russell's Roofing
Profiles: Snap-Clad Roofing Panels, Snap-On Batten Wall Panels, PAC-850 Half Vent Soffit
Colors: Weathered Zinc, Colonial Red

Northwest Arkansas Community College - Bentonville, AR
Owner: Northwest Arkansas Community College
Architect: MAHG
General Contractor: Nabholz Construction Corp.
Roofing Contractor: Harness Roofing Inc.
Profile: Snap-Clad Panels
Color: Forest Green Striated

REDI-ROOF PANELS

Redi-Roof is an architectural metal roofing system available exclusively from Petersen Aluminum Corporation. It 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 to be factory roll-formed in continuous lengths. Maximum panel length is 45 feet and minimum panel length is 4 feet.

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, insures an extra-snug fit. The one-piece design of the Redi-Roof Standing Seam 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 20-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.

CURVED BATTEN PANEL
The Redi-Roof Batten Panel is the industry's only batten panel which can be radiused concave or convex with a minimum radius of 9 ft. This panel is ideal for barrel vaults and cornices. Curved panels must be installed over a waterproofed solid substrate.

Orlando World Center Marriott - Orlando, FL
Owner: Marriott Corporation
Architect: Building Consultants LTD
Roofing Contractor: Nations Roof of Orlando/
Nations Roof of Atlanta
Roofing Distributor: CRS/Commercial Roofing Specialties
Profile: Snap-Clad Panels
Color: Forest Green

PRODUCT FEATURES

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

MATERIAL

- 37 stocked colors (24 gauge steel)
- 36 stocked colors (.032 aluminum)
- 13 stocked colors (22 gauge steel)
- Galvalume Plus available
- 16 oz. cold rolled copper

UL CLASSIFICATION

- UL-580 Class 90 wind uplift
  (steel and copper only)

- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated
- UL-90 rated copper panel up to
  12" O.C. (Standing Seam)

ASTM TESTS

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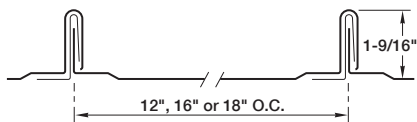- ASTM E331/1646 tested

REDI-ROOF STANDING SEAM W/OFFSETS

SPECS

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

UL 90 CLASSIFIED

MATERIALS

.032 aluminum	24 gauge steel*
16 oz. copper*	22 gauge steel*

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

REDI-ROOF STANDING SEAM W/OUT OFFSETS

SPECS

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

UL 90 CLASSIFIED

MATERIALS

.032 aluminum	24 gauge steel*
16 oz. copper*	22 gauge steel*

1-3/8"
12", 16" or 18" O.C.
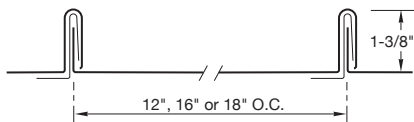
REDI-ROOF BATTEN

SPECS

12" O.C.
1-1/4" High

UL 90 CLASSIFIED

MATERIALS

.032 aluminum	24 gauge steel*
	22 gauge steel*

1-1/4"
12" O.C.
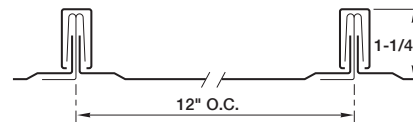
*24 gauge steel, in all O.C.'s, and 16 oz copper in 12" O.C., are UL-90 Classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory.

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

Bells Mill Elementary School - Potomac, MD
Owner: Montgomery County Public Schools
Architect: Walton, Madden, Cooper, Robinson, Poness, Inc
GeneralContractor: Oak Contracting
Roofing Contractor: CitiRoof Corporation
Profile: Snap-On Batten
Colors: Hemlock Green, Colonial Red, Sandstone, Slate Gray

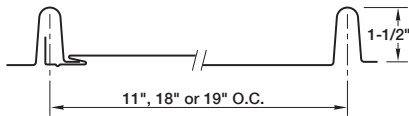## INTEGRAL STANDING SEAM

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

UL 90
CLASSIFIED

MATERIALS
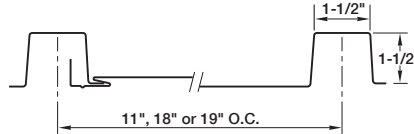.032 aluminum   24 gauge steel*

INTEGRAL BATTEN

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

UL 90
CLASSIFIED

MATERIALS
.032 aluminum   24 gauge steel*

PRODUCT FEATURES

➤ Ideal for transition roofs
➤ Herr-Voss corrective leveled
➤ Stiffener beads available
➤ 20 year non-prorated finish warranty
➤ Panel lengths up to 45 feet

MATERIAL
➤ 37 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)
➤ UL-790 Class A fire rated
➤ UL-263 fire resistance rated
➤ UL-2218 impact resistance rated
➤ Wind load testing results available

ASTM TESTS
➤ ASTM E283/1680 tested
➤ ASTM E331/1646 tested

PAC Integral Panels are designed for roofing applications, mansards, canopies and fascia. The one-piece design of the Integral Panels minimizes labor and allows for quick and easy installation. Integral panels are to be factory roll formed in continuous lengths. Maximum panel length is 45 feet and minimum panel length is 4 feet.

Standard on-center dimensions are 11", 18" and 19", but for renovation projects or additions, on-center dimensions may be custom matched to your requirements. Neoprene panel closures are available for installation at the eave.

FASTENERS
For roofing applications, use Petersen non-penetrating clips. Clips shall be 6061-T6 extruded Aluminum, fastened on 18" centers. Use wood-type screws in fastening clips. For fascia and mansard applications, panels should be positively fastened to the substrate.

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 20-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
Roofing Applications: PAC-CLAD Integral 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 non-penetrating clips, fastened on 18" centers (max.). Minimum slope at 3:12 pitch. Consult a local architect/engineer for requirements of local codes and conditions.

---

*11" and 18" O.C. 24 gauge steel Integral Batten Panels and 11"O.C. 24 gauge steel Integral Standing Seam Panels are 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 www.pac-clad.com.

Our new Edge-Loc Panel is the latest product addition to the PAC metal roofing line. Edge-Loc Panels feature a 1-1/2" leg height and a continuous interlock for improved performance. These panels require no clips. Edge-Loc Panels can be an economical panel solution that meets a variety of roofing design requirements.

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 20-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

Edge-Loc can be used in a variety of applications to accommodate several building designs. Edge-Loc Panels have an integral interlocking system by design, meaning the panels install in one direction. Edge-Loc has a continuous fastening edge that is easily installed using standard screws. Consult with a local architect/engineer for compliance with local codes and conditions. Edge-Loc requires no clips. Please contact Petersen for detail assistance on projects requiring longer panel lengths.
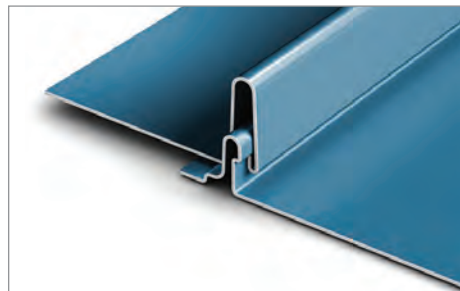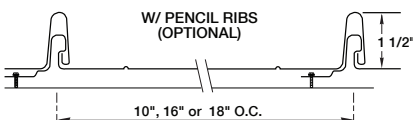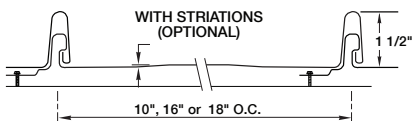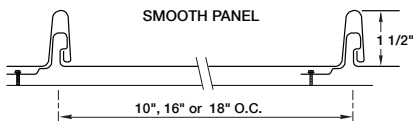
EDGE-LOC

SPECS
10", 16" or 18" O.C.
1-1/2" High

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

SMOOTH PANEL
1 1/2"
10", 16" or 18" O.C.

WITH STRIATIONS (OPTIONAL)
1 1/2"
10", 16" or 18" O.C.

W/ PENCIL RIBS (OPTIONAL)
1 1/2"
10", 16" or 18" O.C.

PRODUCT FEATURES

➤ Continuous Interlock
➤ Labor-saving one-piece design
➤ Striations and pencil ribs available
➤ Panel lengths up to 25 feet
➤ No clips required

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 13 stocked colors (22 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 stocked colors (.040 aluminum)
➤ Galvalume Plus available

McCallum High School Fine Arts Building - Austin, TX
Owner: Austin Independent School District
Architect: SHW Group LLP Roofing
Contractor: Texas Roofing Company
Profiles: Snap-Clad (varied widths) and Flush Panels
Color: Silver Metallic

SOFFIT PANELS

Petersen Aluminum Corporation 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 air flow capacity.

PAC-750 SOFFIT PANELS
Petersen Aluminum Corporation offers a pre-formed soffit panel suitable for both commercial and residential use. These panels are roll-formed of .032 aluminum. Panels are 12" wide with a "vee" groove every 6" center-to-center and furnished in continuous lengths of up to 25 feet. Minimum panel length is 20".

PAC-850 SOFFIT PANELS
Petersen Aluminum PAC-850 Soffit Panels utilize an innovative hook and grab interlock. These panels are roll-formed of .032 aluminum. Panels are 12" wide with a "vee" groove every 6" center-to-center and furnished in continuous lengths of up to 25 feet. 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 as an example.

SOFFIT "J" CHANNEL
Petersen Aluminum can provide Soffit "J" Channel as trim to match any of our soffit panels. "J" Channel is available in lengths up to 12 feet 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 galvanized 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

➤ 4 profiles available
➤ Perforation available for ventilation on aluminum only
➤ Roll-formed to exact lengths
➤ Matching "J" trim available
➤ Flush panels now available with venting
➤ 20 year non-prorated finish warranty

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 13 stocked colors (22 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 stocked colors (.040 aluminum)
➤ Galvalume Plus available

ASTM TESTS

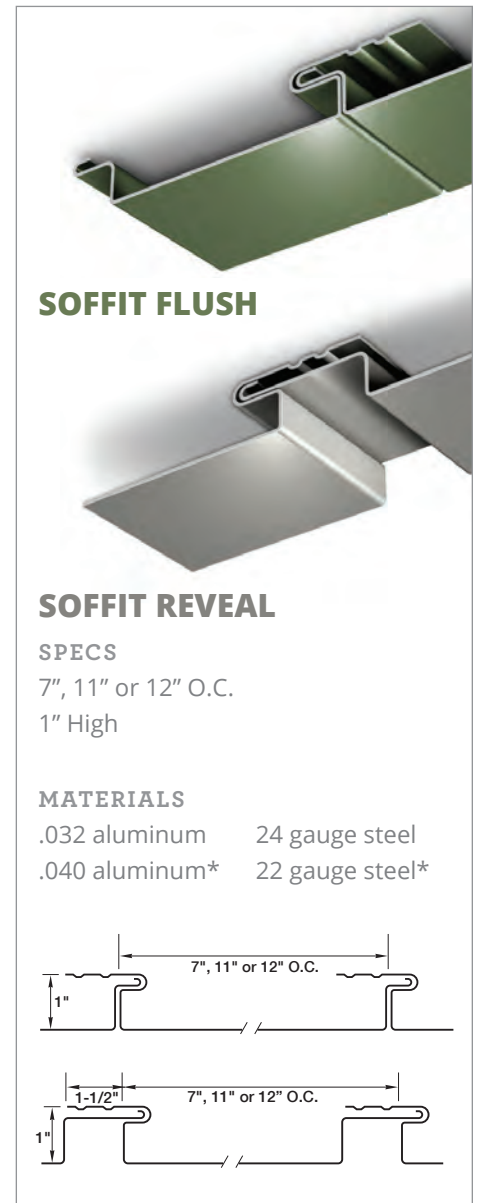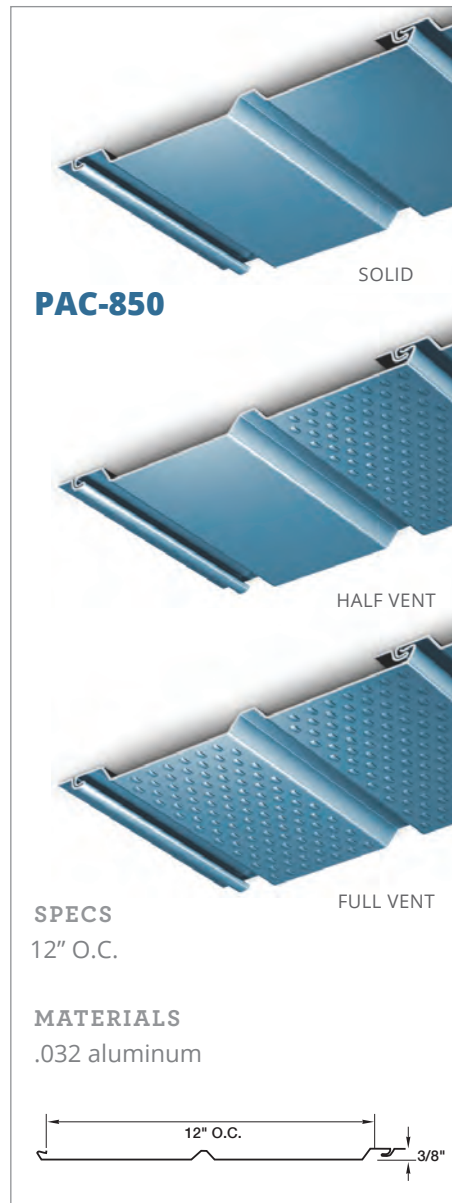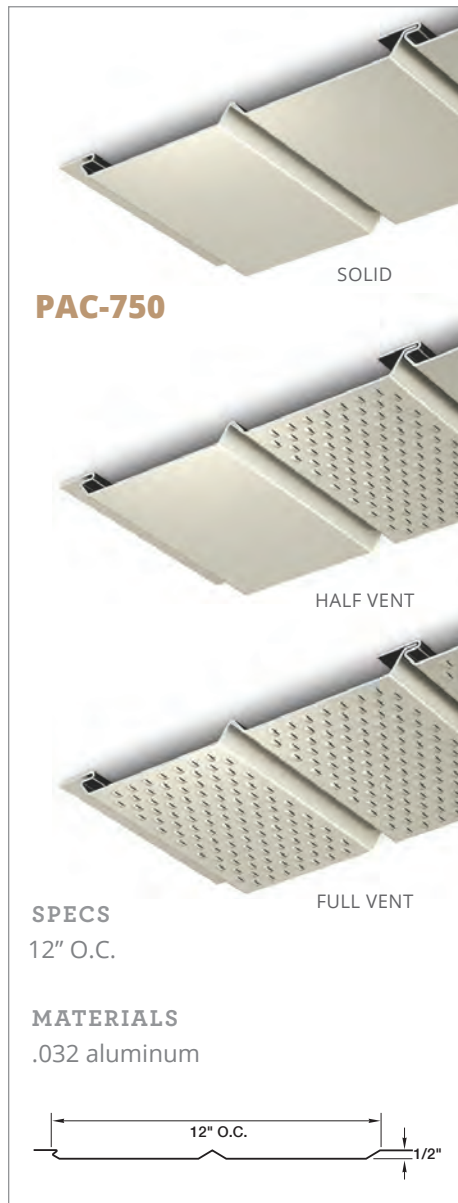➤ ASTM E330 Tested: Flush Panel (12" only) and PAC-850

FLORIDA BUILDING PRODUCT APPROVALS

Please refer to our website, www.pac-clad.com, or your local factory, for specific product approval numbers for Soffit Panels.

OPEN AIR PERCENTAGES FOR PAC 750/850 (these percentages are nominal and may vary per profile)

➤ Half vented - 6%
➤ Full vented - 12%

PAC-750

SOLID

HALF VENT

FULL VENT

SPECS
12" O.C.

MATERIALS
.032 aluminum

12" O.C.   1/2"

PAC-850

SOLID

HALF VENT

FULL VENT

SPECS
12" O.C.

MATERIALS
.032 aluminum

12" O.C.   3/8"

SOFFIT FLUSH

SOFFIT REVEAL

SPECS
7", 11" or 12" O.C.
1" High

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

1"   7", 11" or 12" O.C.

1-1/2"   7", 11" or 12" O.C.
1"

*Limited color availability. A complete specification is available online at www.pac-clad.com.

COLORGARD™ SNOW RETENTION SYSTEMS

Petersen Aluminum Corporation is stocking the patented ColorGard Snow Retention System. ColorGard is the only product available which will precisely match the color of the roof. 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. An architectural alternative to ColorGard is SnoFence, which uses posts and continuous rods.

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 and SnoFence can be installed at any temperature. For more information regarding ColorGard or SnoFence please contact your local Petersen representative.

S-5! ColorGard
(8' sections, prepunched for bolting)
s/s bolt and washer (included)
(mounting hole for horizontal seam application)
prefinished color strip (from roof mat'l)
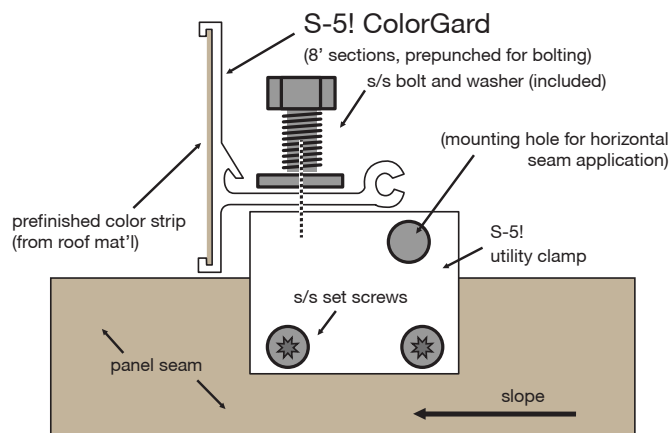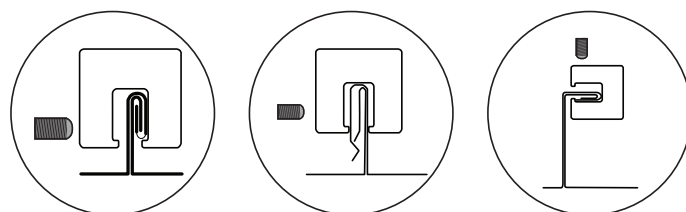S-5! utility clamp
s/s set screws
panel seam
slope

Photo above: Randall B. Terry, Jr. Companion Animal Veterinary Medical Center, North Carolina State University - Raleigh, NC
Owner: North Carolina State University
Architect: Small Kane Webster Conley Architects, & FWAJDB Architects
Roofing Contractor: JEDCO Construction
Profiles: Snap-Clad, 7.2 Panel, Reveal Panel, Continuous Cleat Coping
Colors: Custom Color Patina Green and Warm Silver

PAC SS AIRFLOW SYSTEMS

Petersen Aluminum offers its line of SS Airflow Systems, designed specifically with commercial buildings in mind. Highly suitable for both shingle and metal roofs, the system allows for balanced intake and exhaust ventilation to provide optimal airflow, greatly increasing the roof's longevity and energy efficiency. Each product is specifically engineered to the project conditions to maximize airflow efficiency.

SS VENTED EAVE

The PAC SS Vented Eave is available in vented nailbase and attic vented versions. It greatly improves necessary intake airflow near the eave, preventing heat build-up and moisture accumulation.
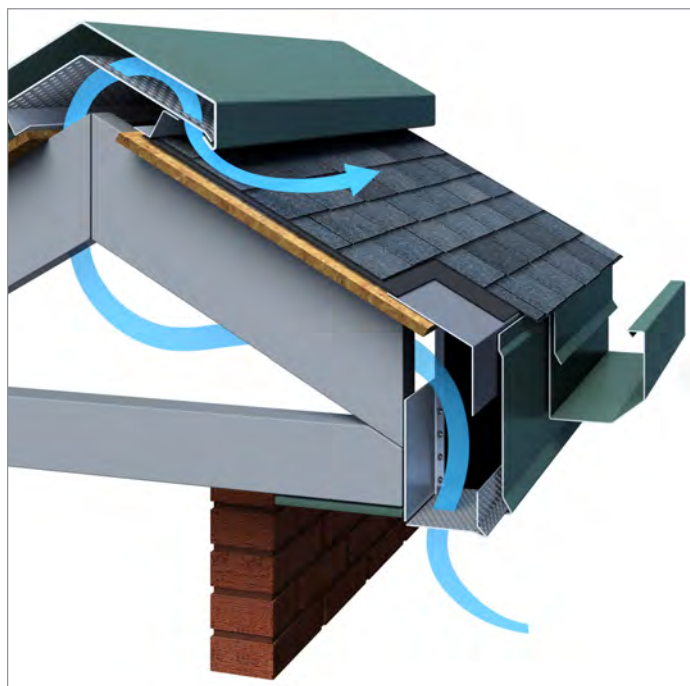
PAC ECO VENTED FASCIA

Highly suitable for light commercial projects requiring roof ventilation, the PAC Eco Vented Fascia is highly functional in systems with or without soffits. With an NFA of 12 or 18 square inches per lineal foot, it allows the precise amount of airflow for superior system ventilation.

NOTE: Not intended for attachment to open ended metal truss or metal bar joist applications.

PAC SS RIDGE VENTS

The PAC SS Ridge Vents, working in conjunction with the intake ventilation systems, are guaranteed to provide the proper exhaust airflow at the ridge. PAC SS Ridge Vents are available in five versions.

Pine Rest Postma Center for Worship & Education - Grand Rapids, MI
Architect: Integrated Architecture
General Contractor: Pioneer Construction
Roofing Contractor: Buist Sheet Metal Company
Profiles: PAC Flat Seam Panels, PAC Composite Panels
Colors: Evergreen Copper, Classic Bronze & Platinum

Chanooka Healthcare Center - Morris, IL
Architect: CD Group
General Contractor: CD Group
Panel Installer: Sullivan Roofing
Profile: PAC-3000 RS
Color: Bright Silver Metallic

Jacksonville Animal Care - Jacksonville, FL
Architect: Ebert Norman Brady Architects
Roofing Contractor: Thorne Metal Systems
Profiles: 7.2" Rib & Perforated Panels
Colors: Cardinal Red, Interstate Blue & Weathered Zinc

Plaza Westlake - Bloomingdale, IL
Roofing Contractor: ASM Construction, Inc.
Color: Custom Color Light Beige
Profile: Flat Seam Panels

FLUSH PANELS

PRODUCT FEATURES

➤ Corrective leveled for superior flatness
➤ Available with up to 2 stiffener beads
➤ Rounded interlock leg provides improved flush fit
➤ 20 year non-prorated finish warranty
➤ Panel lengths up to 25 feet

MATERIAL

➤ 37 stocked colors (24 gauge gteel)
➤ 13 stocked colors (22 gauge gteel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 stocked colors (.040 aluminum)
➤ Galvalume Plus available

ASTM TESTS

➤ ASTM E330 tested - 12" only

FLORIDA BUILDING PRODUCT APPROVALS

Please refer to our website, www.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.

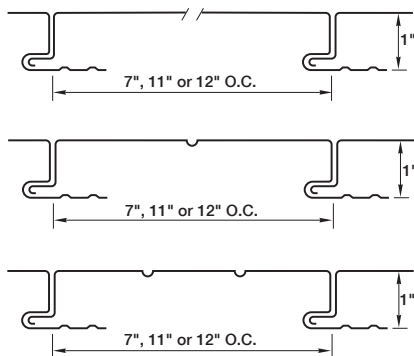A complete specification is available online at www.pac-clad.com.

FLUSH PANEL

SPECS

7", 11", or 12" O.C.
1" High

MATERIALS

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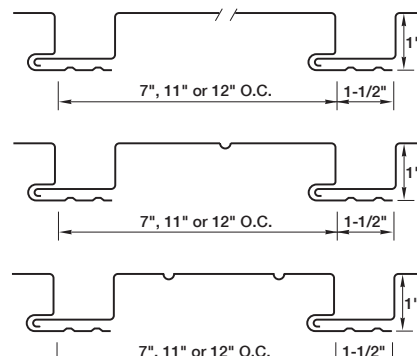.040 aluminum*   22 gauge steel*

REVEAL PANEL

SPECS

7", 11", or 12" O.C.
1" High

MATERIALS

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

PAC 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 feet and minimum panel length is 4 feet.

PAC Flush Panels are available in on-center dimensions designed to complement our roofing panel product line. Flush Panels are available in two configurations: Flush Panel and Reveal Panel.

STIFFENING BEADS

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

INSTALLATION

PAC 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 Flush Panels are formed on precision roll-forming equipment that includes in-line Herr-Voss corrective levelers. Corrective leveling works to remove 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 20-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.

PAC PRECISION SERIES

With the addition of the PAC Precision Series Horizontal Wall Panels to our extensive line of architectural wall panels, Petersen Aluminum offers unmatched design flexibility by combining bold visual effects with easy, cost effective installation. Two profiles are available: The HWP has a concealed extended screw leg, while the HWPC utilizes a clip leg.

Both profiles can be specified in 12" or 16" on center, and the 16" panel has been tested to meet the requirements of ASTM E-330. The 7/8" panel depth provides a dramatic appearance for any building's exterior, and with a full palette of PAC-CLAD finishes to choose from, can complement all architectural elements on the building's envelope.

The PAC Precision Series can also be installed vertically in some applications, and can be produced to a maximum length of 35'. Additionally, The PAC Precision Series Panels can be specified as perforated for use in equipment screen applications.

PRODUCT FEATURES

➤ Direct concealed fastener or clip installation
➤ Repeating rib and interlocking design provide a continuous integrated appearance
➤ Panel depth of 7/8"
➤ Cost effective installation
➤ Horizontal or vertical installation
➤ Panel lengths up to 35 feet

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 13 stocked colors (22 gauge steel)
➤ 20 stocked colors (.040 aluminum)
➤ Galvalume Plus available

TESTS – 16" WIDTH

➤ ASTM E330
➤ ASTM E283
➤ ASTM E331
➤ AAMA 501.1-05

FLORIDA BUILDING PRODUCT APPROVALS

Please refer to our website, www.pac-clad.com, or your local factory, for specific product approval numbers.

HWP

SPECS
12" or 16" O.C.
.875" High

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

HWPC

SPECS
12" or 16" O.C.
.875" H igh

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

Photo above: Georgia State University Piedmont North Student Housing Dining Hall Addition - Atlanta, GA
Owner: Georgia State University
Architect: Richard Wittschiebe Hand Architects: RWH Design
Roofing Contractor: Bristol Engineered Metals
Profile: PAC Precision Series HWP16
Color: Sandstone

EXPOSED FASTENER PANELS

Petersen Aluminum 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.

Petersen's family of corrugated panels can be produced perforated for a variety of exterior projects, such as equipment screens. Perforated corrugated panels are also highly suitable for interior acoustical applications as well. Contact a Petersen Aluminum representative regarding design capabilities for this product.

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 20-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.
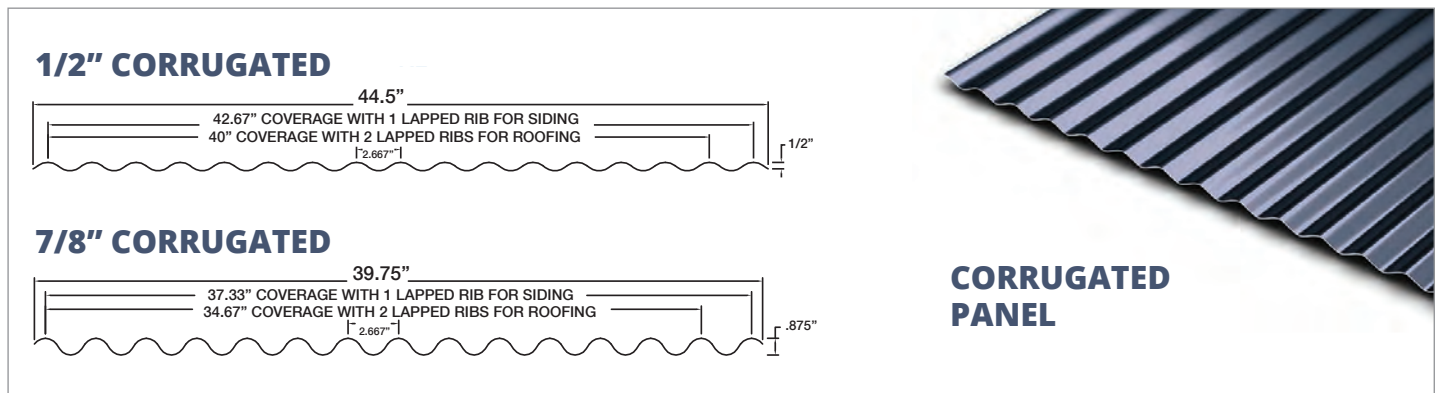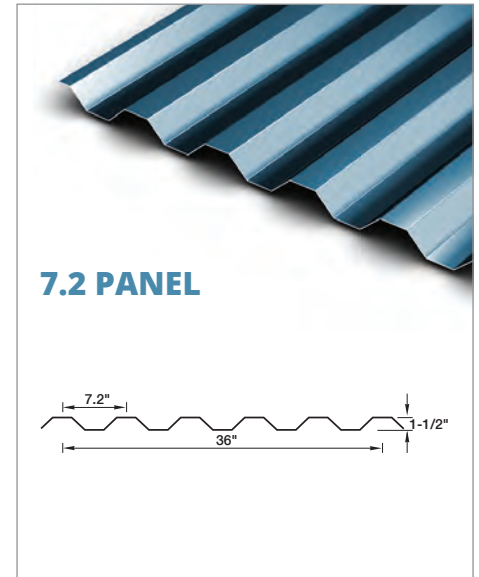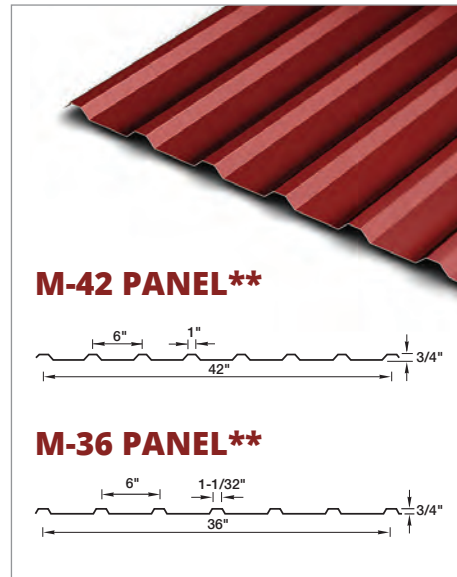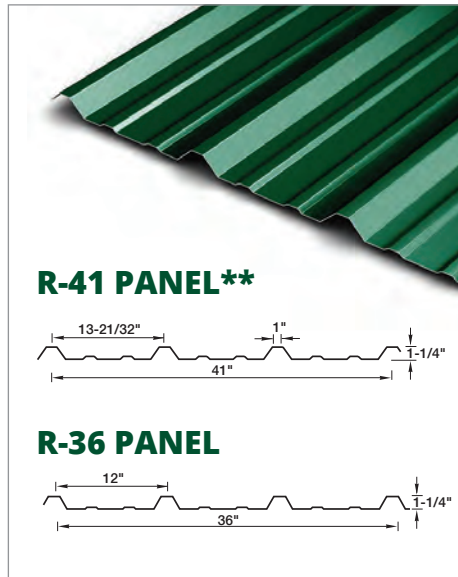
PRODUCT FEATURES

➤ 20 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 feet

MATERIAL

➤ 37 stocked colors (24 gauge steel)
➤ 13 stocked colors (22 gauge steel)
➤ 36 stocked colors (.032 aluminum)
➤ 20 stocked colors (.040 aluminum)
➤ 29 stocked colors (.050 aluminum)
➤ Galvalume Plus available

FLORIDA BUILDING PRODUCT APPROVALS

Please refer to our website, www.pac-clad.com, or your local factory, for specific product approval numbers for Exposed Fastener Panels.

R-41 PANEL**

13-21/32" 1" 1-1/4"
41"

R-36 PANEL

12" 1-1/4"
36"

M-42 PANEL**

6" 1" 3/4"
42"

M-36 PANEL**

6" 1-1/32" 3/4"
36"

7.2 PANEL

7.2" 1-1/2"
36"

1/2" CORRUGATED

44.5"
42.67" COVERAGE WITH 1 LAPPED RIB FOR SIDING
40" COVERAGE WITH 2 LAPPED RIBS FOR ROOFING
2.667" 1/2"

7/8" CORRUGATED

39.75"
37.33" COVERAGE WITH 1 LAPPED RIB FOR SIDING
34.67" COVERAGE WITH 2 LAPPED RIBS FOR ROOFING
2.667" .875"

CORRUGATED PANEL

PROFILE	MIN. SLOPE
7/8" Corrugated	2 1/2: 12
1/2" Corrugated	2 1/2: 12
R-36 Panel	2:12*
7.2 Panel	2:12*

**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 Aluminum regarding the application of this panel.
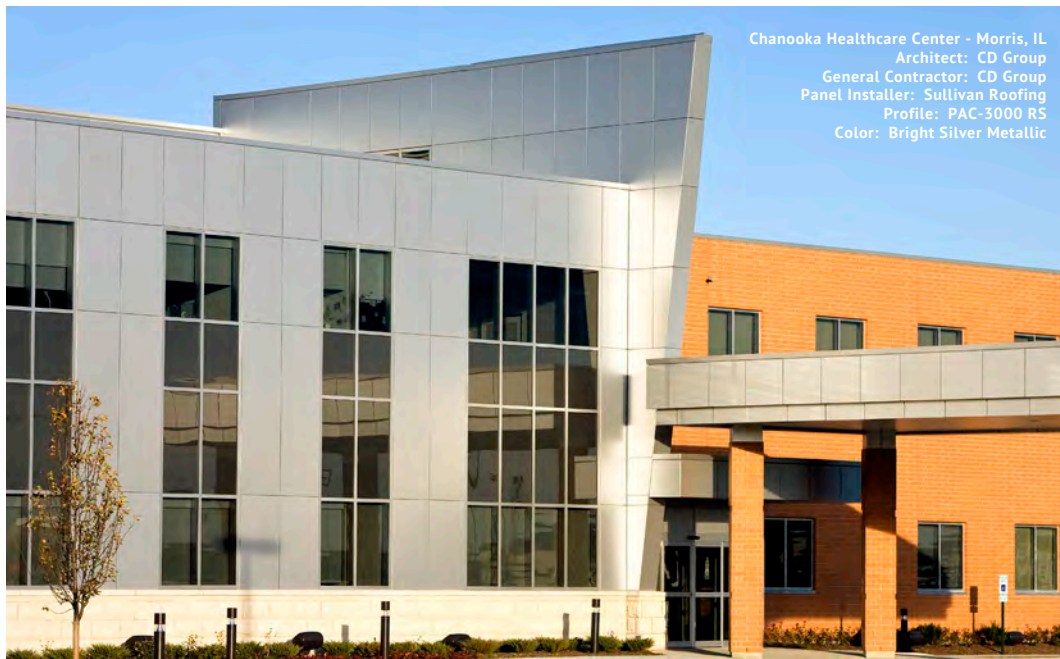
A complete specification is available online at www.pac-clad.com.

Chanooka Healthcare Center - Morris, IL
Architect: CD Group
General Contractor: CD Group
Panel Installer: Sullivan Roofing
Profile: PAC-3000 RS
Color: Bright Silver Metallic

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
➤ .063 - .125 Mill Finish Aluminum
➤ Zinc
➤ Copper
➤ Stainless Steel
➤ Anodized Aluminum

TESTS

➤ ASTM E283
➤ ASTM E330
➤ ASTM E331
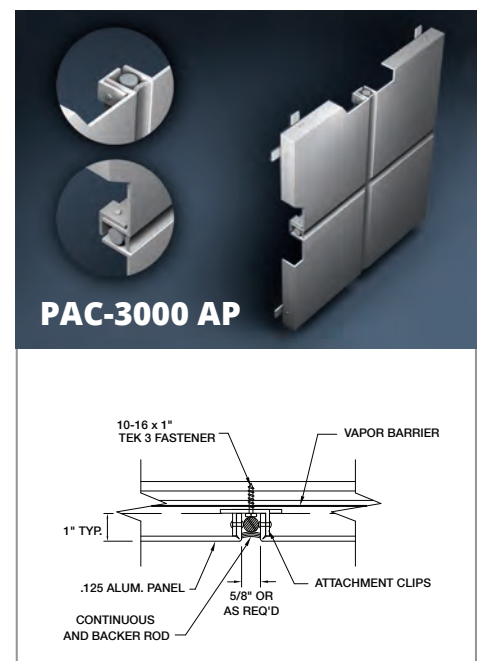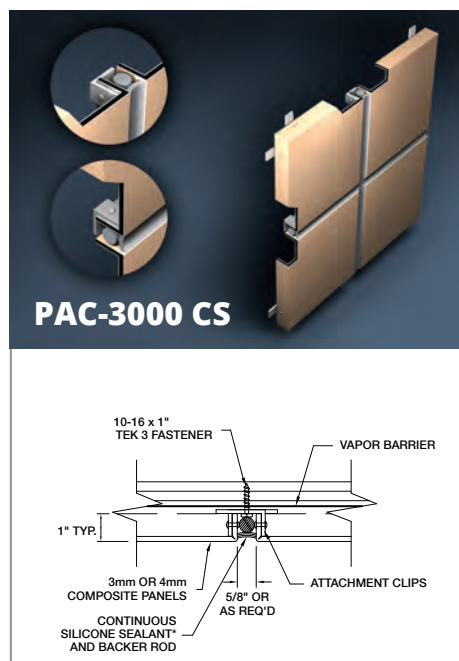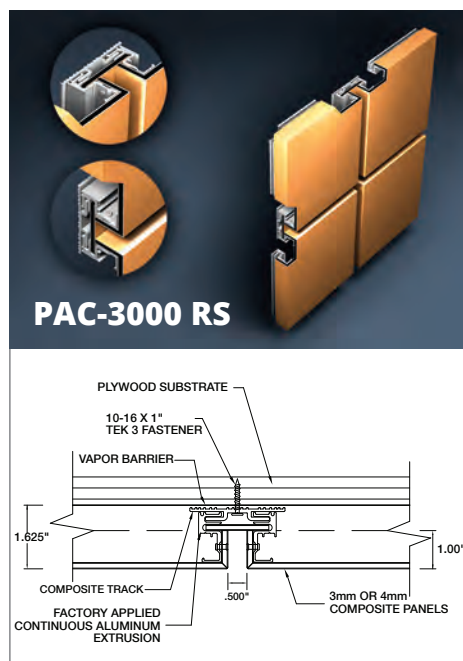
COMPOSITE WALL PANELS

Petersen Aluminum 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 an .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 art fabrication insures 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 aluminum composite material (ACM), 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.

The PAC-3000 AP Panels provide a nearly endless selection of materials, finishes and configurations. Panels can be fabricated out of painted or anodized aluminum as well as stainless steel. Panel configurations can be customized to suit your application.


PAC-3000 RS

PLYWOOD SUBSTRATE
10-16 X 1" TEK 3 FASTENER
VAPOR BARRIER
1.625"
1.00"
COMPOSITE TRACK
.500"
3mm OR 4mm COMPOSITE PANELS
FACTORY APPLIED CONTINUOUS ALUMINUM EXTRUSION

PAC-3000 CS

10-16 x 1" TEK 3 FASTENER
VAPOR BARRIER
1" TYP.
3mm OR 4mm COMPOSITE PANELS
5/8" OR AS REQ'D
ATTACHMENT CLIPS
CONTINUOUS SILICONE SEALANT* AND BACKER ROD

PAC-3000 AP

10-16 x 1" TEK 3 FASTENER
VAPOR BARRIER
1" TYP.
.125 ALUM. PANEL
5/8" OR AS REQ'D
ATTACHMENT CLIPS
CONTINUOUS AND BACKER ROD

COLUMN COVERS

PAC-1000 & 2000 SERIES

The design of the PAC-1000 and 2000 "F" Series Column Covers allows for a clean, precise installation, revealing a hairline joint. The column sections are assembled using a rivnut/keyhole system to provide a tight inconspicuous vertical seam.
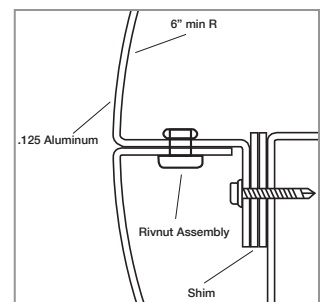
The PAC-1000 and 2000 "C" and "R" Series Column Covers are designed to leave a small open vertical reveal where the sections meet. Backer rod and caulk are applied to the vertical reveal joint to complete the installation of our "C" Series Column Cover. For the "R" Series Column, a metal channel filler is fabricated to fit into the vertical joint, and is set in sealant.

Your project may require column or section designs that are not shown here. Column Covers are available in 16 gauge stainless steel, .063 -.125 aluminum finished to a wide range of colors and anodized options, and composite material. Petersen Aluminum Corporation's fabrication capabilities offer a great deal of flexibility and go far beyond what we can display on this page. Please contact us with your fabrication needs.
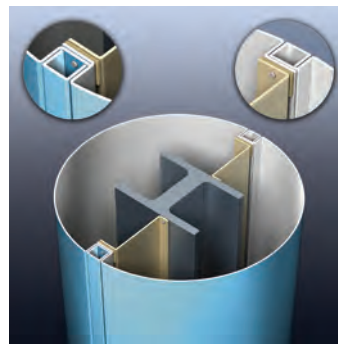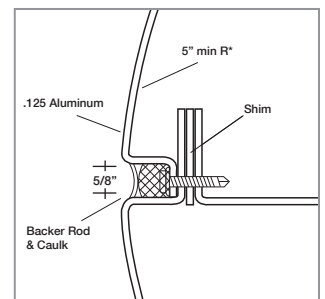

1000 SERIES
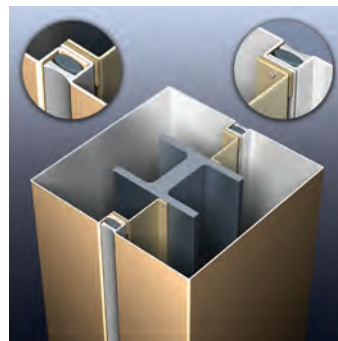
PAC-1000F (Flush Joint)
PAC-1000C (Caulk Joint)
PAC-1000R (Reveal Joint)

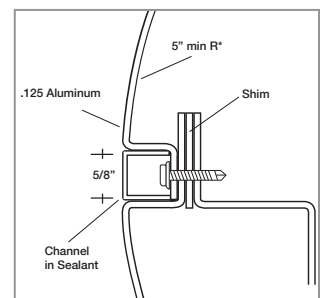**2000 SERIES**

PAC-2000F (Flush Joint)
PAC-2000C (Caulk Joint)
PAC-2000R (Reveal Joint)

FLUSH JOINT

CAULK JOINT

REVEAL JOINT

*NOTE - Consult factory if tighter radius for Reveal or Caulk Joint required.

PAC-CLAD FLASHING AND TRIM

Petersen Aluminum maintains complete flashing fabrication capabilities in each of its plant locations to produce trim for our specific 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 stock is available for immediate shipment.

A complete set of flashing details for each panel profile is available on our website at www.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 is also available by contacting the local factory.

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

FLAT AND COIL STOCK

In addition to offering the industry's widest selection of Kynar finishes in steel and aluminum, Petersen Aluminum also offers pre-painted aluminum and mill finish sheet and coil in a variety of gauges. With state-of-the-art cut-to-length and slitting equipment, Petersen can provide flat and coil stock to the most exacting specifications.

PAC PAINTED ACRYLIC SHEET

Dark Bronze, Medium Bronze, White, Blue, Yellow, Brown, Black and Red painted sheet is stocked for immediate delivery. PAC pre-painted aluminum may be sheared and formed over a 1-1/2 to 2 T bend radius. Life expectancy is 10 years plus.

This material is highly suitable for a wide range of applications, including signage and the race car industry. No warranty is available on this product.

MILL FINISH

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.

COPPER AND STAINLESS STEEL

Petersen Aluminum offers a full range of copper and stainless steel products to meet your project requirements. Stainless steel is available in Types 304 2B and 304 #4 Polished in a variety of gauges. Cold rolled copper is also available in sheet and coil form, ideal for custom fabrication or panel roll-forming. Consult your local factory for specific gauges available.

Firecreek Restaurant - Downingtown, PA
Owner: Silverang Hallowell Development Company / Carroll Contractors
Architect: Carroll Design Build
Roofing Contractor: Munn Roofing
Material: 24 ga. Galvalume Plus, 16 oz. Copper
Profiles: High Snap-On Standing Seam, 1/2" Corrugated

ANODIZED ALUMINUM

PAC 500 BRONZE ANODIZED ALUMINUM

Petersen Aluminum Corporation's line of PAC 500 anodized finishes features a wide range of architectural bronzes and black. The PAC 500 finish is accomplished through a progressive electrolytic process. The metal is first anodized in a sulfuric acid bath. The material then passes through an electrically charged bath of cobalt mineral salts. The finishing process is completed as the metal passes through a sealing tank.

A complete range of bronze shades and black can be achieved through variation of the current through the coloring tank. PAC 500 is highly resistant to ultra-violet light. The coil anodizing capability allows us to hold extremely tight control over color range, making PAC 500 the finish of choice for architectural applications where an anodized finish is desired. With anodized finishes, a color variance is to be expected from batch to batch. To minimize the color variance, please order enough sheet or coil to complete the 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.

	.032	.040	.050	.063	.080	.125
PAC 500						
Bright Clear		√				
Bright Gold		√				
Champagne	√	√	√	√		
Light Bronze	√	√	√	√		
Medium Bronze	√	√	√	√		
Dark Bronze	√	√	√	√	√	√
Black		√	√	√	√	√
PAC 300						
Clear	√	√	√	√	√	√

GENERAL CONSIDERATIONS

The following is a summary of conditions and considerations that we consider important to the design and specification of PAC-CLAD Panel projects. For more specific information concerning your projects, please contact us directly on our technical service line: 1-800-PAC-CLAD. We will gladly provide you with any additional information you may need.

FINISHES

PAC-CLAD PANELS are available as standard with a full strength Kynar 500® or Hylar 5000® finish. Please refer to the color charts on pages 7 & 8 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 square feet and may be applied to either aluminum or G-90 galvanized steel. Contact Petersen for information concerning relative costs and availability.

INSTALLATION

Special care must be taken to insure 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 20 year finish warranty.

PAC-CLAD flat sheet provides an exact color match to PAC-CLAD Panels. PAC-CLAD flat sheets and 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.

LENGTHS

All panels are custom cut-to-length before roll-forming and are available in lengths up to 64'. See specific product pages for maximum panel lengths. Minimum length is 4'-0". Lengths are accurate to 1/4". Custom cut-to-length is available at no up-charge and helps to improve project economy. Consult factory for longer lengths.

PANEL WIDTHS

Most of our PAC-CLAD Panels are available in non-standard on-center dimensions. Contact Petersen Aluminum 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. Integral Panels, 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.

FIRE RATINGS

PAC-CLAD Panels have been evaluated by Underwriter's 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 used are specified for rollforming 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 aggravate this condition. Oil canning does not affect the finish or structural integrity of the panel and is therefore not cause for rejection.

WARRANTY

A full 20 year finish warranty is available covering cracking, peeling and color fade on all PAC-CLAD applications. PAC-CLAD is a full Kynar 500®/ Hylar 5000® finish and therefore offers the highest quality 20 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 www.pac-clad for further details.

Petersen Aluminum 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 20 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 Aluminum Corporation nor its customer shall be liable for special, indirect, or consequential damages. The liability of Petersen Aluminum Corporation 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.

Shenandoah University History and Tourism Center - Winchester, VA
Contractor: Russell's Roofing
Architect: Bartzen & Ball
Profiles: Snap-Clad Roofing Panels, Snap-On Batten Wall Panels, PAC-850 Half Vent Soffit
Colors: Weathered Zinc, Colonial Red

SPECIFY PETERSEN...YOU HAVE OUR ASSURANCE OF QUALITY.

Visit our web site to download product CAD drawings and much more: WWW.PAC-CLAD.COM

- PAC-CLAD Aluminum
- PAC-CLAD Steel
- Tite-Loc Panels
- Snap-Clad Panels
- Redi-Roof Panels
- Integral Panels
- Snap-on Panels
- PAC SS Airflow
- PAC Precision Series
- Edge-Loc Panels
- Exposed Fastener Panels
- Flush Panels
- Soffit Panels
- Framing Systems
- PAC Insulated Metal Panels
- Flashing and Trim
- Coping and Gravel Stops
- Anodized Aluminum
- Copper and Stainless Steel
- Column Covers
- Composite Panels

Our Lady of Good Counsel High School - Olney, MD
Owner: Roman Catholic Archdiocese of Kensington
Architect: DCMM Architects
General Contractor: Coakley Williams Construction, Inc.
Roofing Contractor: Interstate Corporation
Profile: Snap-Clad Panels
Color: Sierra Tan

In presenting this catalog, we serve only in an advisory capacity and can undertake no liability. Consideration should be given on local conditions in selecting materials and panel profiles. The photographs appearing in this catalog show typical PAC-CLAD applications.

Kynar 500® is a registered trademark of Atochem Inc. and Hylar 5000® is a trademark of Ausimont USA Inc.

For complete information on our coping and fascia products, see our Perimeter/Roof Edge Brochure or visit www.pac-clad.com

PAC-CLAD Petersen Aluminum

PACGREENINFO.COM
YOUR GREEN METAL RESOURCE

HQ: 1005 Tonne Road
Elk Grove Village, IL 60007
P: 800-PAC-CLAD
F: 800-722-7150

9060 Junction Drive
Annapolis Junction, MD 20701
P: 800-344-1400
F: 301-953-7627

10551 PAC Road
Tyler, TX 75707
P: 800-441-8661
F: 903-581-8592

350 73rd Ave., NE, Ste 1
Fridley, MN 55432
P: 877-571-2025
F: 866-901-2935

102 Northpoint Parkway
Acworth, GA 30102
P: 800-272-4482
F: 770-420-2533