



PAC-CLAD®

P E T E R S E N

A **CARLISLE** COMPANY

Architectural Metal

Custom Fabrication, Curtainwall,
Storefront and Wall Applications



Petersen Aluminum Corporation was founded in 1965 as a metals service center to the architectural metal industry. Since then, Petersen has transformed itself into a respected and recognized leader in architectural metal. With state-of-the-art equipment and a dedicated sales and management team, Petersen has become an innovator in the metals market, and is ready to apply its 50-plus years of experience to the glass industry.

With a complete line of PAC-CLAD metal products including column covers, corrugated panels, metal composite panels, metal plate panels and custom heavy-gauge fabrication, Petersen is dedicated to making projects run smoothly and cost-effectively.

In addition to its Chicago-based headquarters, Petersen maintains full production facilities in Annapolis Junction, Maryland; Tyler, Texas; Phoenix, Arizona; and Acworth, Georgia, plus a regional sales office in Andover, Minnesota. With these locations, Petersen is able to provide high-quality metal products at competitive prices with dependable lead times.

Technical assistance and service are provided by Petersen's staff and complemented locally by its nationwide organization of architectural representatives. Assistance is available for design, budgeting, material and finish selection.

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CUSTOM FABRICATION



Understanding that it's all in the details is how Petersen provides custom fabrication that meets the most exacting requirements. With state-of-the-art technology and insightful expertise, Petersen ensures unmatched quality and service from coil to finished part to complete even the most demanding project.

Petersen's goal is simple: Provide precision-made parts to closely held tolerances to meet all of a customer's expectations. With the most advanced CNC shearing and bending equipment combined with more than 50 years of industry experience, Petersen offers superior innovation and flexibility for producing a wide range of custom architectural components.

FABRICATION CAPABILITIES

- ▶ Ideal for curtain wall, glass and glazing industries
- ▶ Precision shearing to meet exact dimensions
- ▶ Can produce parts up to 20' long
- ▶ Custom radius and bull nose parts
- ▶ Available in custom heavy or light gauge parts:
 - Galvalume steel from 16 to 26 gauge
 - Copper in 16 oz. and 20 oz.
- ▶ Able to achieve custom-designed panels as well as simple angles

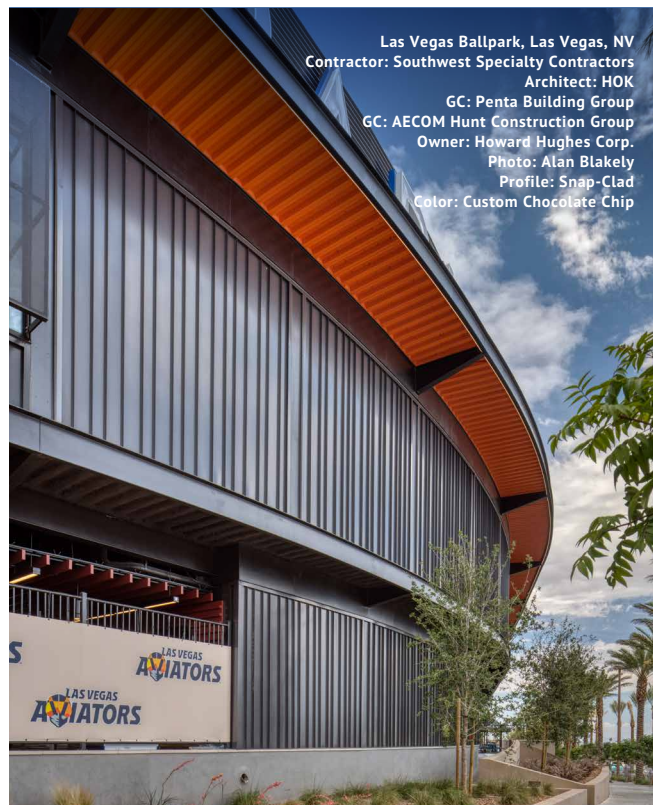
FINISHING CAPABILITIES

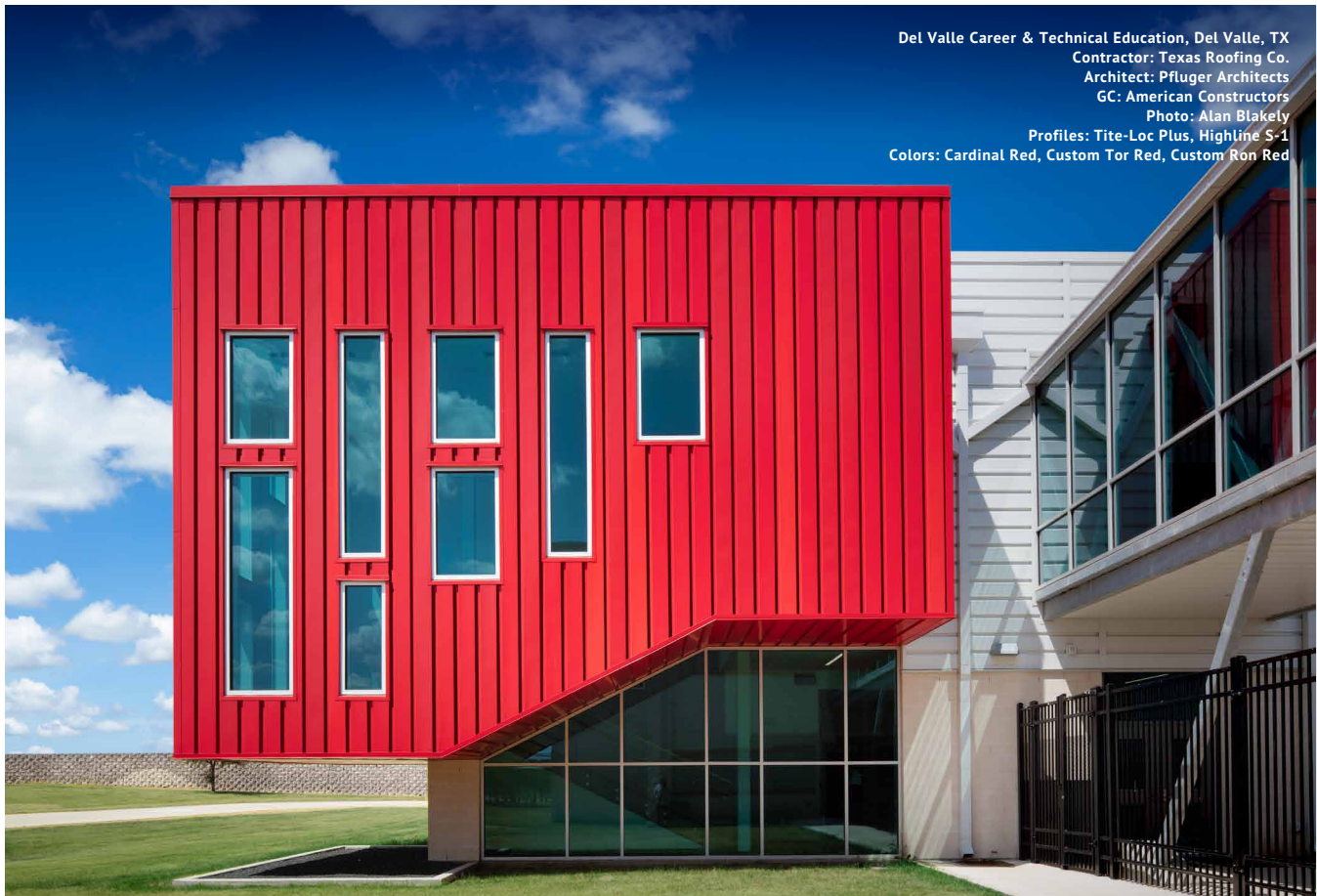
- ▶ Spray-applied, non-standard or custom colors available in Kynar 500 formulation
- ▶ Exterior grade and Class I architectural anodized finishes available



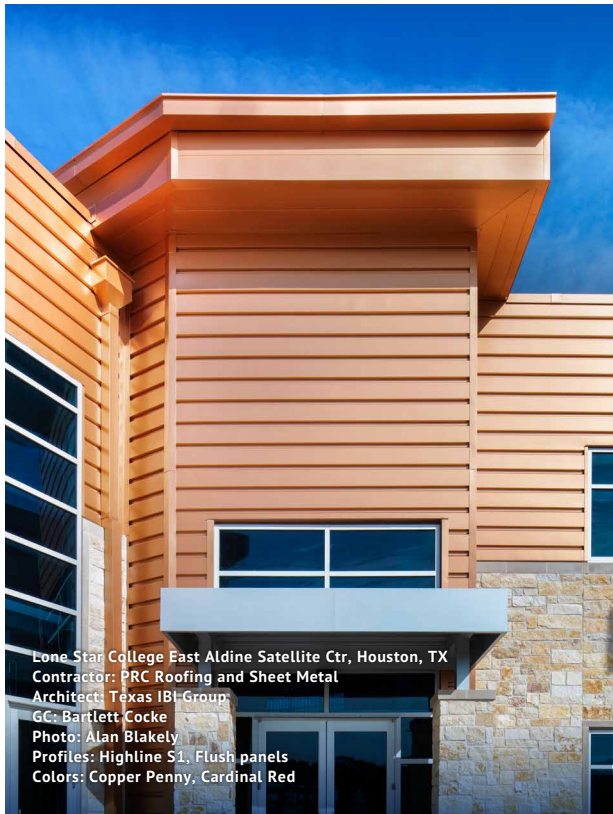
Cover Photo:
Lone Star College East Aldine Satellite Ctr, Houston, TX
Contractor: PRC Roofing and Sheet Metal
Architect: Texas IBI Group
GC: Bartlett Cocke
Photo: Alan Blakely
Profiles: Highline S1, Flush panels
Colors: Copper Penny, Cardinal Red

PAC-CLAD® WALL PANEL APPLICATIONS





Del Valle Career & Technical Education, Del Valle, TX
 Contractor: Texas Roofing Co.
 Architect: Pfluger Architects
 GC: American Constructors
 Photo: Alan Blakely
 Profiles: Tite-Loc Plus, Highline S-1
 Colors: Cardinal Red, Custom Tor Red, Custom Ron Red



Lone Star College East Aldine Satellite Ctr, Houston, TX
 Contractor: PRC Roofing and Sheet Metal
 Architect: Texas IBI Group
 GC: Bartlett Cocke
 Photo: Alan Blakely
 Profiles: Highline S1, Flush panels
 Colors: Copper Penny, Cardinal Red



Private residence, PA
 Contractor: Mount Vernon Roofing
 Architect: 3GHC Architects
 GC: Amicus Construction
 Photo: hortonphotodinc.com
 Profiles: Snap-Clad, Precision Series Tiles cupped
 Colors: Weathered Zinc, Bright annealed

PRECISION SERIES HWP AND HIGHLINE WALL PANELS



Herrington-Ornelas HealthPark
Contractor: Tyler Roofing
Architect: HC Architects
GC: WRL GCs
Owner: Christus Trinity Mother Frances Health System
Photo: Tom Coplen
Profiles: Snap-Clad, HWP, Flush, Custom Coping
Colors: Champagne, Dark Bronze

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 $\frac{7}{8}$ " or $1\frac{3}{8}$ "
- ▶ Cost-effective installation
- ▶ Horizontal or vertical installation
- ▶ Micro-seam corners available
- ▶ Panel lengths:
30' maximum for steel;

22' maximum for aluminum on the thru-fastened leg; longer lengths available on clip panels

MATERIAL

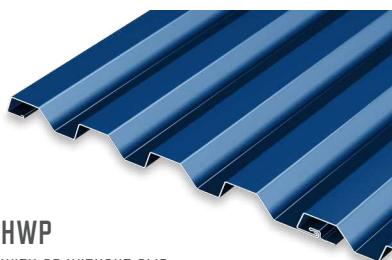
- ▶ 43 stocked colors (24 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 16 stocked colors (22 gauge steel)
- ▶ 22 stocked colors (.040 aluminum)
- ▶ 29 stocked colors (.050 aluminum)
- ▶ Galvalume Plus available

TESTS

- ▶ ASTM E330
- ▶ ASTM E283
- ▶ ASTM E331
- ▶ AAMA 501.1-05-B1, B2, C2, S1
- ▶ 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 24 gauge steel
.040 aluminum 22 gauge steel
.050 aluminum

SPECS

12" or 16" Wide $\frac{7}{8}$ " High



HIGHLINE B1

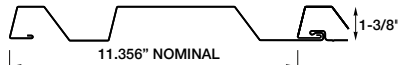
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

11.356" Wide $1\frac{3}{8}$ " High



HIGHLINE B2

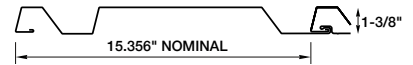
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

15.356" Wide $1\frac{3}{8}$ " High

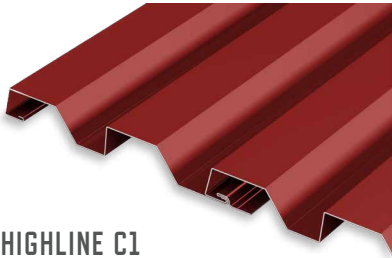


Precision Series architectural wall panels provide design flexibility by combining bold visual effects with easy, cost-effective installation. Multiple profiles are available with a variety of rib patterns. Options for each profile include a no-clip panel, or a clip-fastened panel to accommodate expansion and contraction.

The original Precision Series HWP profile features a 7/8" depth, while the Precision Series Highline profiles are 1-3/8" deep,

and can be intermixed 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; minimum panel length is 4'. Additionally, these wall panels can be specified as perforated in aluminum only for use in equipment screen applications, or for architectural flair.



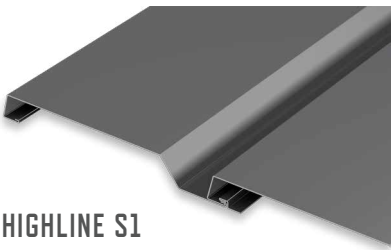
HIGHLINE C1
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

11.356" Wide 1-3/8" High



HIGHLINE S1
WITH OR WITHOUT CLIP

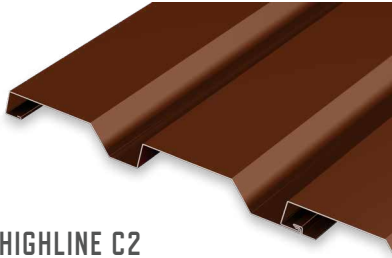
Note: Minimum panel length is 5'

MATERIALS

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

SPECS

11.356" Wide 1-3/8" High



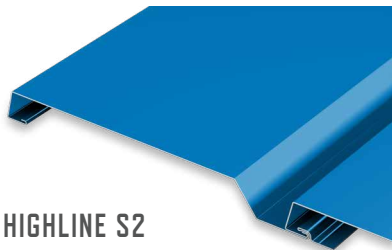
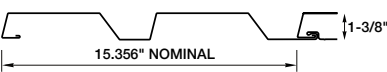
HIGHLINE C2
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

15.356" Wide 1-3/8" High



HIGHLINE S2
WITH OR WITHOUT CLIP

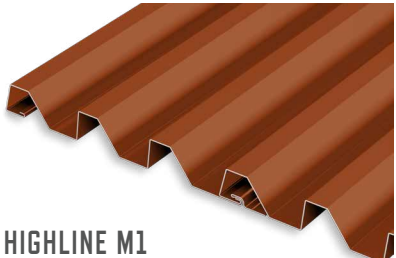
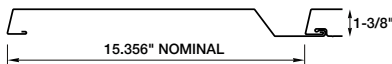
Note: Minimum panel length is 5'

MATERIALS

.050 aluminum 22 gauge steel

SPECS

15.356" Wide 1-3/8" High



HIGHLINE M1
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12.043" Wide 1-3/8" High



Highline panels should be installed in single-piece runs, either horizontally or vertically. For panels more than 20-ft. long, the clip version should be utilized. For panels less than 20-ft. long, the screw leg version is acceptable. For wall elevations with panels longer than 36-ft., flashing breaks must be used as indicated by the architect or designer. Highline panels are NOT designed to be field lapped over one another.

JOINT DETAILS

CLIP



FASTENER
FLANGE



Note: Line drawings on these two pages are not to scale.

PRECISION SERIES BOX RIB WALL PANELS

Precision Series Box Rib 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. Each profile is offered in a no-clip panel, or a clip-fastened panel to accommodate expansion and contraction.

The Box Rib profiles are 1-3/8" deep and a nominal 12" wide. All precision Series profiles, including Box Rib, Highline and HWP, can be intermixed 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; minimum panel length is 4'.

Additionally, Precision Series wall panels can be specified as perforated but only in aluminum for use in equipment screen applications, over graphics or for architectural flair.

PRODUCT FEATURES

- ▶ No-clip panel, or clip installation for expansion/contraction
- ▶ Panel depth 1-3/8" nominal
- ▶ Panel width of 12" nominal
- ▶ Cost-effective installation
- ▶ Horizontal or vertical orientation
- ▶ Micro-seam corners available
- ▶ Panel length: 30' maximum for steel
- ▶ Panel length: 22' maximum for aluminum on the thru-fastened leg (no clip), longer lengths available on clip panels

TESTING

- ▶ ASTM E330
- ▶ AAMA 501.1-05
- ▶ ASTM E283
- ▶ ASTM 1592
- ▶ ASTM E331

MATERIALS

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



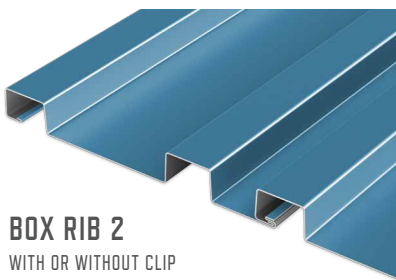
BOX RIB 1
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" Wide 1-3/8" High
Note: Minimum panel length is 4'



BOX RIB 2
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" Wide 1-3/8" High
Note: Minimum panel length is 4'



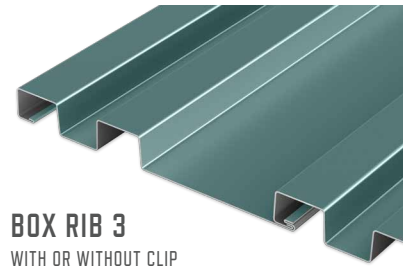
Note: Line drawings on this page are not to scale.

JOINT DETAILS

CLIP



FASTENER
FLANGE



BOX RIB 3
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" Wide 1-3/8" High
Note: Minimum panel length is 4'



BOX RIB 4
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" Wide 1-3/8" High
Note: Minimum panel length is 4'



Box Rib panels should be installed in single-piece runs, either horizontally or vertically. For panels more than 20-ft. long, the clip version should be utilized. For panels less than 20-ft. long, the screw leg version is acceptable. For wall elevations with panels longer than 36-ft., flashing breaks must be used as indicated by the architect or designer. Box Rib panels are NOT designed to be field lapped over one another.

PRECISION SERIES TILES

The Precision Series Tiles collection from Petersen includes three 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 three styles including Cupped, Flat and Diamond. Designed to enhance architectural design, the tiles add dimension to the exterior of any structure. The tiles can be applied to either commercial 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)
- ▶ .032 anodized
- ▶ Zalmag® coated steel (26 gauge) (Sold only in Florida and Texas)

ASTM TESTS

- ▶ ASTM E283
- ▶ ASTM E330
- ▶ ASTM E331

UL CLASSIFICATION

- ▶ UL 580-1897

AAMA TESTS

- ▶ AAMA 501.1

CUPPED TILE



FLAT TILE



DIAMOND 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

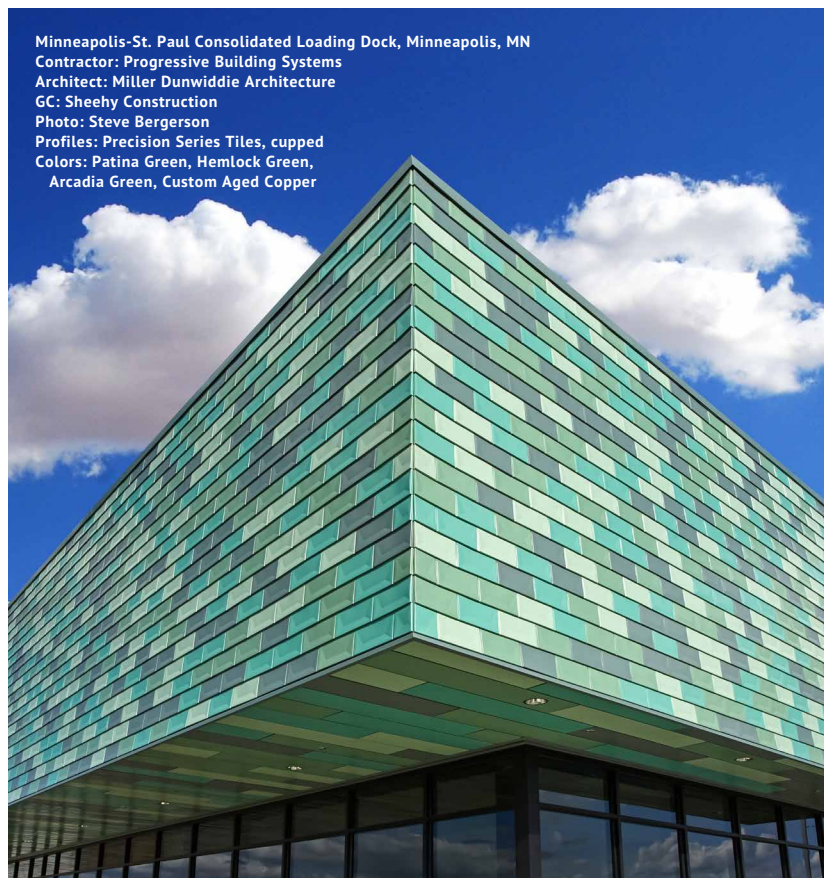
The flat tile has the flexibility to integrate with both modern and traditional designs.

- ▶ 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"



Minneapolis-St. Paul Consolidated Loading Dock, Minneapolis, MN
Contractor: Progressive Building Systems
Architect: Miller Dunwiddie Architecture
GC: Sheehy Construction
Photo: Steve Bergerson
Profiles: Precision Series Tiles, cupped
Colors: Patina Green, Hemlock Green, Arcadia Green, Custom Aged Copper

FLUSH AND REVEAL WALL PANELS

Flush and Reveal panels are designed for wall, fascia and soffit applications where a 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 and Reveal joint configurations are available.

PENCIL RIBS

The Flush and Reveal panels are available with optional pencil ribs. Pencil ribs are recommended for longer panel lengths. One or two ribs are available.

INSTALLATION

Flush and Reveal panels shall be installed over a solid substrate with appropriate 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.

OPTIONAL CLIP

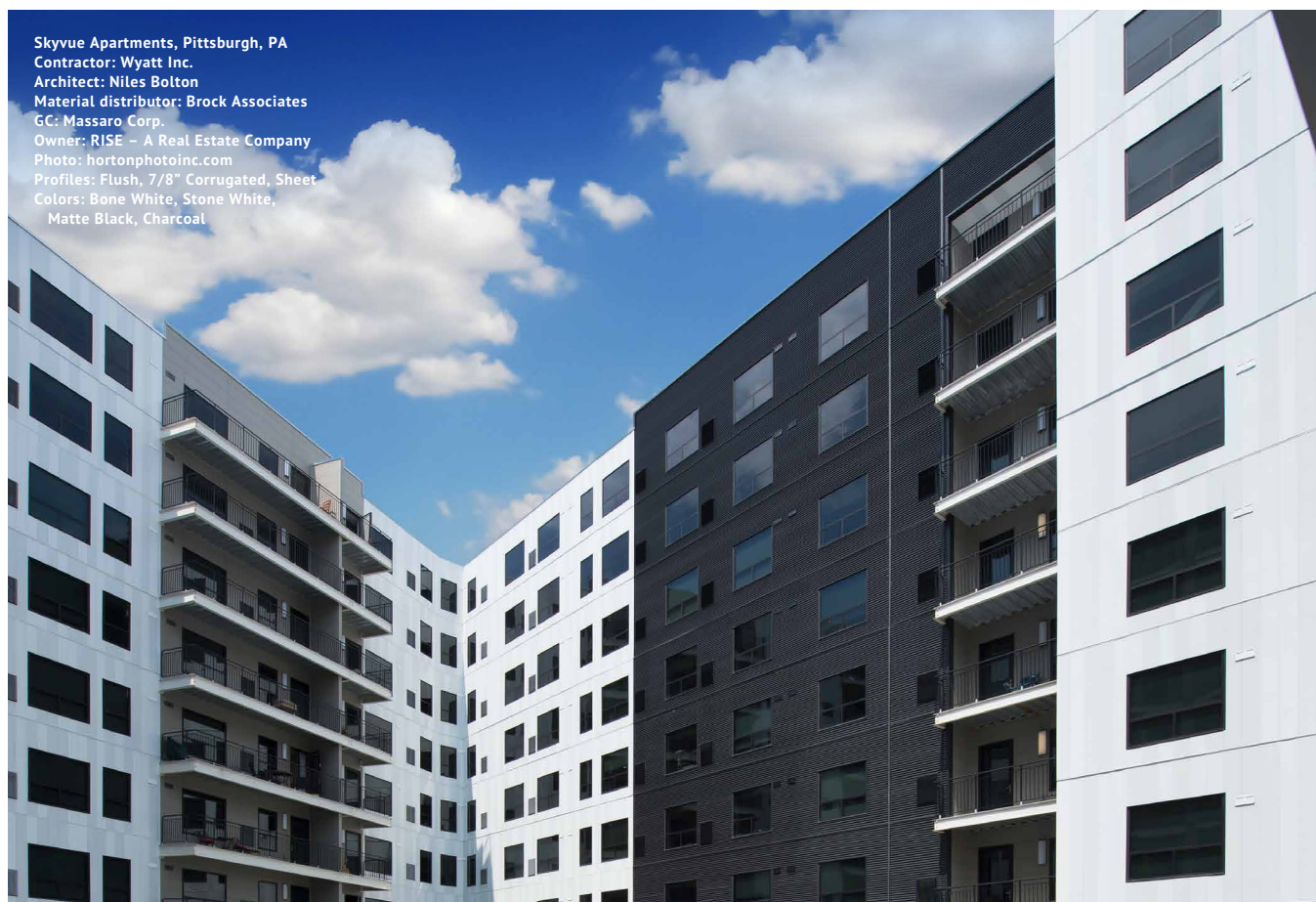
An optional patented concealed fastening clip is available to raise a panel assembly's wind resistance performance level. The optional clip has been designed and tested to resist disengagement during high-wind events.

TRIM

All flashing and trim shall be fabricated by Petersen 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. Minimum bending radius is 2T; consult rep for details. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable vinyl film must be removed immediately after installation.

HORIZONTAL APPLICATIONS

When installing Flush and Reveal panels horizontally, install first panel at top of wall and proceed to bottom.



Skyvue Apartments, Pittsburgh, PA
Contractor: Wyatt Inc.
Architect: Niles Bolton
Material distributor: Brock Associates
GC: Massaro Corp.
Owner: RISE - A Real Estate Company
Photo: hortonphotoinc.com
Profiles: Flush, 7/8" Corrugated, Sheet
Colors: Bone White, Stone White,
Matte Black, Charcoal



Rennen & Beecher Flats, Cincinnati
 Contractor: Deuss Enterprises
 Architect: Perfido Weiskopf Wagstaff + Goettel
 GC: Titan Real Estate Group
 Owner: 3CDC
 Photo: Matt Horton
 Profiles: Flush, Reveal panels
 Colors: Slate Gray



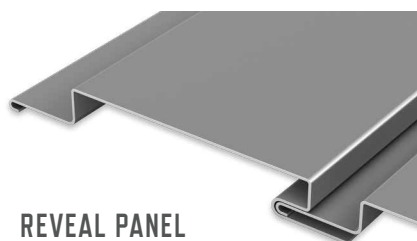
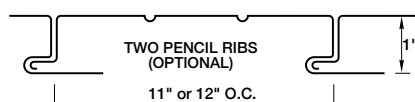
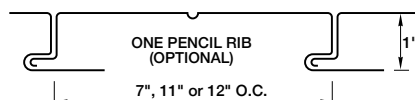
FLUSH PANEL

MATERIALS

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

SPECS

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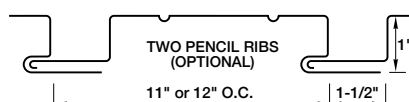
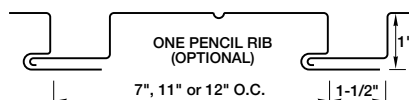
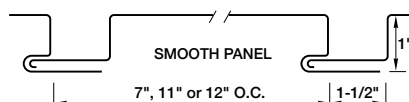
REVEAL PANEL

MATERIALS

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

SPECS

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

- ▶ Available with up to two pencil ribs
- ▶ Rounded interlock leg provides improved flush fit
- ▶ Optional clips available for Miami-Dade wind resistance requirements
- ▶ 30-year non-prorated finish warranty
- ▶ Panel lengths from 4' to 25'

MATERIAL

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

ASTM TESTS - FLUSH

- ▶ ASTM E330 tested - 12" only
- ▶ ASTM 1592
- ▶ ASTM E283
- ▶ ASTM E331
- ▶ AAMA 501.1-05

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 fastener flange. Clip not shown in drawings above.
 A complete specification is available online at pac-clad.com.

EXPOSED FASTENER PANELS



Petersen offers a complete line of exposed fastener panels, allowing for creative design flexibility in a cost-effective yet architecturally attractive metal panel. The versatile 7.2 panel, R-36 and $\frac{7}{8}$ " Corrugated panels can be specified for a wide range of building envelope applications including roofs, walls and linear panels. The M-36, M-42 and $\frac{1}{2}$ " Corrugated panels are suitable for wall and equipment screen projects.

TRIM

All flashing and trim shall be fabricated by Petersen 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. Minimum bending radius is 2T; consult rep for details.

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

Photo above:
Patuxent River Naval Air Museum & Visitor Center, Lexington Park, MD
Installer: AGM Contracting Inc.
Architect: Westlake Reed Leskosky
GC: Biscayne Construction Inc.
Photo: hortonphotoinc.com
Profile: PAC-CLAD 7/8" Corrugated
Color: Custom Cadet Grey

PRODUCT FEATURES

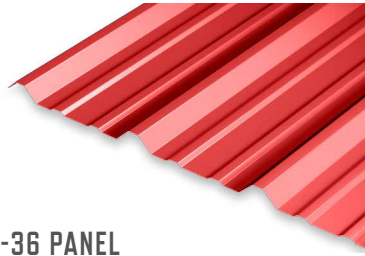
- ▶ 30-year non-prorated finish warranty
- ▶ Matching screws and rivets
- ▶ Closure strips available
- ▶ Precut short lengths (5'-0" minimum) (3'-0" on the M-42)
- ▶ Panel lengths up to 30' on steel and 22' on aluminum

MATERIAL

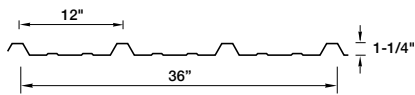
- ▶ 43 stocked colors (24 gauge steel)
- ▶ 16 stocked colors (22 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ 22 stocked colors (.040 aluminum)
- ▶ 29 stocked colors (.050 aluminum)
- ▶ Galvalume Plus available

FLORIDA BUILDING PRODUCT APPROVALS

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



R-36 PANEL

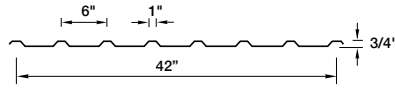


MATERIALS

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

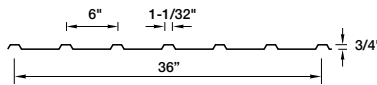


M-42 PANEL*



Note: Made only in Tyler, Texas facility

M-36 PANEL*

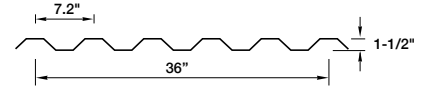


MATERIALS

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



7.2 PANEL

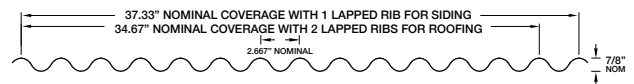


MATERIALS

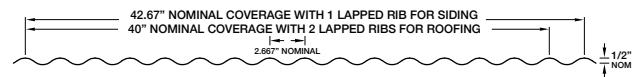
.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel
.050 aluminum	



7/8" CORRUGATED



1/2" CORRUGATED



*Note: The M-36 and M-42 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.

Photo at left:
Hurricane Dockside Grill, Hagerstown, MD
Contractor: Heidler Roofing
Photo: David Fonda
Profile: R-36 panel
Color: Cardinal Red

COMPOSITE WALL PANELS



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 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-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 4-5 *do not* apply to composite panels. Consult Petersen rep for color options.

PRODUCT FEATURES

- ▶ Available in a wide variety of non-PAC-CLAD colors and finishes
- ▶ Precise fabrication to meet exacting tolerances
- ▶ Rout-and-return fabrication
- ▶ Welded corners available

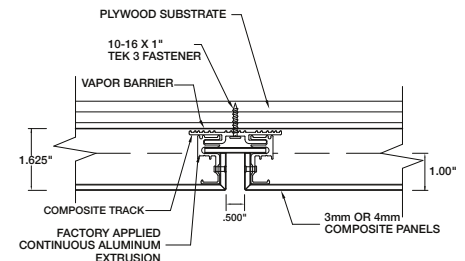
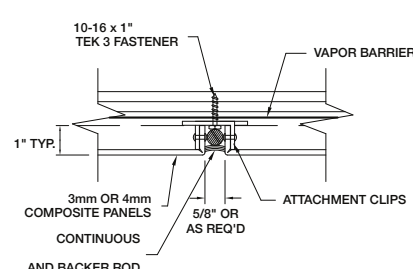
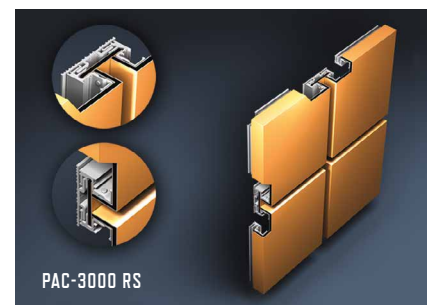
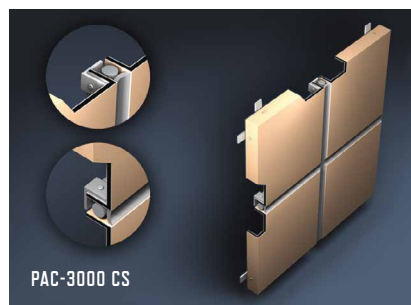
MATERIAL

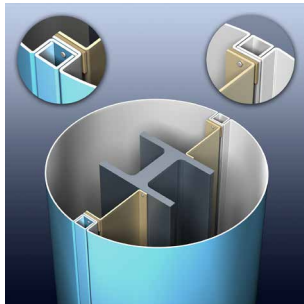
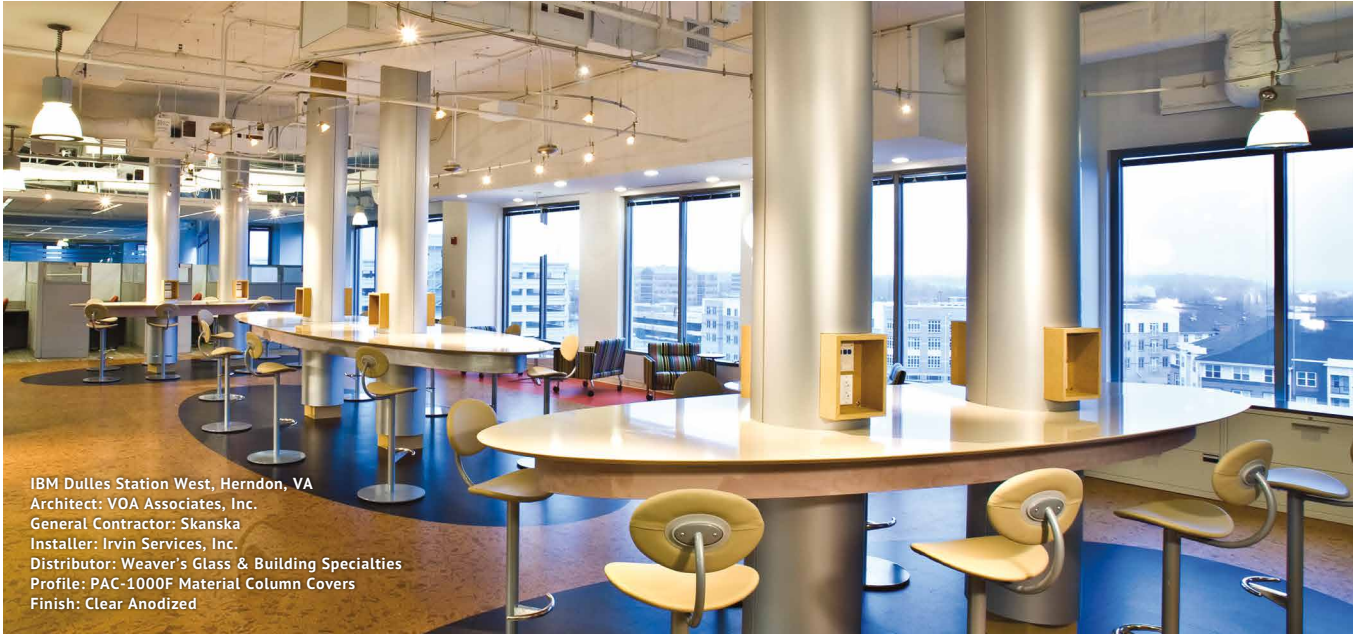
- ▶ 3mm, 4mm, 6mm – Composite
- ▶ .063 - .125 Mill Finish Aluminum
- ▶ Zinc ▶ Stainless steel
- ▶ Anodized aluminum

TESTS

- ▶ ASTM E283*, ASTM E330*, ASTM E331*

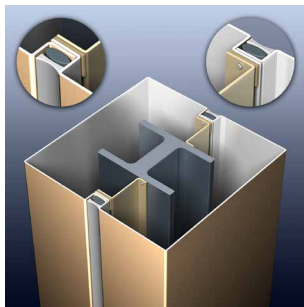
*Composite material only





1000 SERIES

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



2000 SERIES

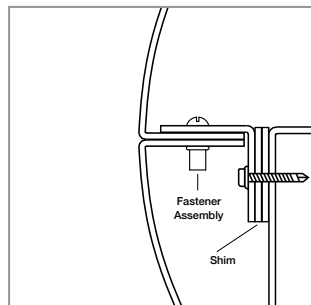
- ▶ PAC-2000F (Flush Joint)
- ▶ PAC-2000C (Caulk Joint)
- ▶ PAC-2000R (Reveal Joint)

PAC-1000 & 2000 SERIES

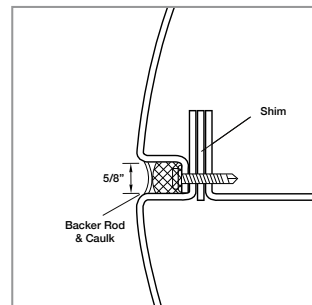
The design of the PAC-1000 and 2000 "F" Series Column Covers allows for a clean, precise installation, revealing a hairline joint. The column sections are assembled using a rivnut/keyhole system to provide a tight, inconspicuous vertical seam.

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 the "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.

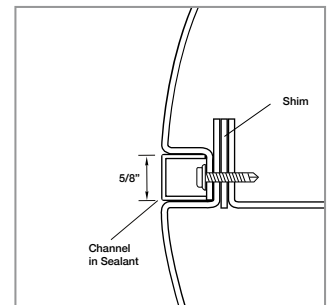
Projects may require column or section designs that are not shown here. Column Covers are available in 16 gauge stainless steel and .063-.125 aluminum. Finishes include custom colors, PAC-CLAD colors shown on pages 14-15, plus anodized options and composite material. Petersen's fabrication capabilities offer flexibility and go far beyond what is displayed on this page. Please contact Petersen with fabrication needs.



FLUSH JOINT



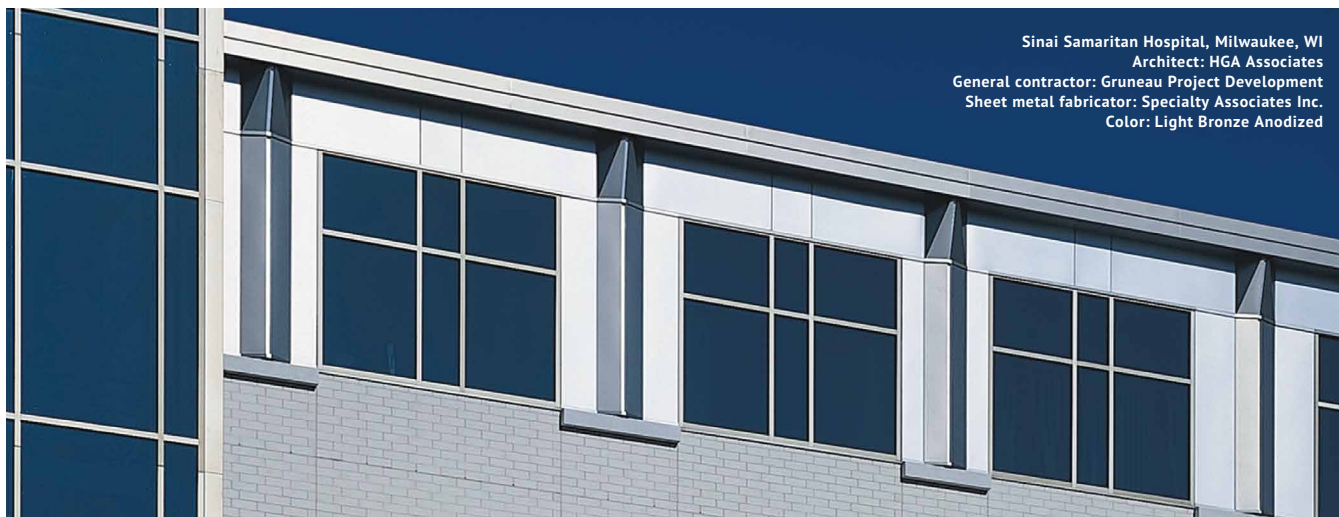
CAULK JOINT



REVEAL JOINT

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

ANODIZED ALUMINUM



Sinai Samaritan Hospital, Milwaukee, WI
 Architect: HGA Associates
 General contractor: Gruneau Project Development
 Sheet metal fabricator: Specialty Associates Inc.
 Color: Light Bronze Anodized

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.

	.032	.040	.050	.063	.080	.125
PAC 500						
CHAMPAGNE	✓	✓	✓	✓		
LIGHT BRONZE	✓	✓	✓	✓		
MEDIUM BRONZE	✓	✓	✓	✓		
DARK BRONZE	✓	✓	✓	✓	✓	
BLACK		✓	✓	✓	✓	✓
PAC 300						
CLEAR	✓	✓	✓	✓	✓	✓

COIL AND FLAT SHEET



In addition to offering the industry's widest selection of 70% PVDF finishes in steel and aluminum, Petersen also provides mill finish sheet and coil in a variety of gauges and widths. Stock includes 5005-H34, as well as 3105 H24, 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.

PVDF WOOD GRAIN FINISHES



When the performance of metal is required but the look of wood is desired, Petersen's wood grain textures are ready to dazzle. Petersen's PAC-CLAD wood grain patterns will convince the casual observer that metal is actually wood. A lineup of 16 wood grain patterns ensures creative design and flexibility and can deliver a finishing touch to any project.

PAC-CLAD PVDF wood grain finishes combine the beauty of wood with the durability of metal. The patterns are nearly indistinguishable from actual wood, and they provide architects and designers with creative flexibility on highly functional surfaces. Wood grain finishes are available on all PAC-CLAD wall panels. Not all colors are stocked, so consult PAC-CLAD representative to discuss warranty, lead time and related issues.

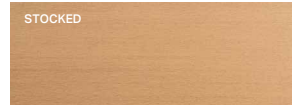
Photo above:
AE Urbia Offices, South Jordan, UT
Architect: AE Urbia
Color: Light Oak



Beechwood*



Copper*



Golden Bamboo*



Long Grain Cherry*



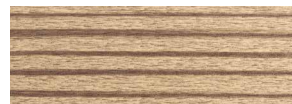
Sycamore



Long Grain Oak



Light Oak



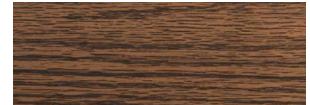
Sugar Maple



Charwood



Dark Oak



Medium Oak



Red Oak



Cherrywood Oak



Golden Maple



Siamese Bamboo



Whitewash Oak

PRODUCT FEATURES

- ▶ Steel: 22 gauge, 24* gauge
- ▶ Aluminum: .032, .040, .050
- ▶ Coil available only in 36.25" width
- ▶ **Colors above marked with an * are stocked in 24 gauge steel. All other colors and gauges are available, but with extended lead times.**

PAC-CLAD® COLOR CHART

TRIM

PAC-CLAD products are available in prime quality aluminum (.032 - .063), 24 and 22 gauge Galvalume steel, finished with a 70% PVDF finish on the top side, with a washcoat on the bottom. Other metals available include mill finish aluminum, 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:** Vinyl film must be removed immediately after installation.

FINISH WARRANTY

Life expectancy is 30 years-plus on 70% PVDF-finished materials. A 30-year, non-prorated finish warranty covering color fade, chalking and film integrity is available at no extra charge. Warranty for Weathered Steel and Weathered Copper does not cover fade. Warranty for Cardinal Red and Award Blue is 10 years for fade and 20 years for chalking and adhesion.

PREMIUM COLORS

Petersen's premium colors include several metallic finishes, plus two two-coat Weathered Steel and Weathered Copper finishes. These colors are ideal for all building envelope applications. A PAC-CLAD 30-year, non-prorated finish warranty applies.

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 stream of solid waste to landfills.


Petersen also offers the industry's widest range of 46 standard colors, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling and energy savings performance. Petersen offers 35 finishes that are rated by the Cool Roof Ratings Council and 31 colors that are Energy Star®-approved. In addition, 35 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.

SHERWIN-WILLIAMS.
Coil Coatings

Petersen Aluminum has been a proud partner with Sherwin-Williams Coil Coatings 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.

STANDARD COLORS

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

* Denotes PAC-CLAD Cool Color

PREMIUM COLORS

	
Anodic Clear*	Silversmith*
	
Silver*	Champagne*
	
Weathered Zinc*	Zinc*
	
Copper Penny*	Aged Copper*
	
Weathered Copper	Weathered Steel

PAC-CLAD® COLOR AVAILABILITY

PAC-CLAD STANDARD COLORS	REFLECTIVITY	EMISSION	3 YEAR EXPOSURE	SRI	STEEL		ALUMINUM				20-IN. COIL		ENERGY STAR
					24 GA.	22 GA.	.032	.040	.050	.063	24 GA.	.032	
AGED BRONZE	0.29	0.87	0.27	29	✓								
ALMOND	0.56	0.86	0.55	65	✓	✓	✓	✓	✓		✓		★
ARCADIA GREEN	0.29	0.87	0.29	29	✓		✓						★
AWARD BLUE***	0.24	0.86	0.23	22	✓		✓		✓				
BERKSHIRE BLUE*	0.30	0.87	0.27	31	✓								
BLACK ALUMINUM**	0.04	0.89	0.04	-2			✓	✓	✓	✓			
BONE WHITE	0.70	0.86	0.69	85	✓	✓	✓	✓	✓	✓	✓	✓	★
BURGUNDY	0.14	0.85	0.13	9	✓		✓		✓				
BURNISHED SLATE	0.32	0.87	0.31	33	✓								
CARDINAL RED***	0.44	0.86	0.44	49	✓		✓		✓				★
CHARCOAL	0.30	0.86	0.30	30	✓		✓	✓	✓		✓	✓	★
CITYSCAPE	0.49	0.86	0.50	56	✓	✓	✓	✓	✓		✓	✓	★
COLONIAL RED	0.31	0.86	0.31	31	✓		✓	✓	✓				★
DARK BRONZE	0.29	0.86	0.29	29	✓	✓	✓	✓	✓	✓	✓	✓	★
EVERGREEN	0.28	0.86	0.26	27	✓		✓						★
FOREST GREEN	0.10	0.86	0.10	4	✓	✓	✓	✓	✓				
GRANITE*	0.33	0.87	N/A	34	✓	✓	✓	✓	✓				★
GRAPHITE	0.29	0.87	0.28	29	✓								
HARTFORD GREEN	0.08	0.88	0.08	3	✓		✓	✓	✓				
HEMLOCK GREEN	0.31	0.87	0.30	32	✓		✓		✓				★
HUNTER GREEN	0.28	0.86	0.27	27	✓		✓						★
INTERSTATE BLUE	0.16	0.87	0.15	12	✓		✓		✓				
MANSARD BROWN	0.31	0.86	0.31	31	✓	✓	✓	✓	✓				★
MATTE BLACK STEEL**	0.26	0.86	0.25	25	✓	✓					✓		
MEDIUM BRONZE	0.30	0.87	0.29	31	✓	✓	✓	✓	✓	✓	✓	✓	★
MIDNIGHT BRONZE	0.06	0.87	0.06	0	✓			✓					
MILITARY BLUE	0.31	0.86	0.30	31	✓		✓						★
MUSKET GRAY	0.32	0.86	0.31	33	✓	✓	✓		✓				★
PACIFIC BLUE	0.28	0.86	0.27	27	✓		✓						★
PATINA GREEN	0.33	0.86	0.32	34	✓		✓						★
SANDSTONE	0.48	0.86	0.48	54	✓	✓	✓	✓	✓	✓	✓	✓	★
SIERRA TAN	0.32	0.82	0.31	31	✓	✓	✓	✓	✓		✓		★
SLATE GRAY	0.38	0.86	0.37	41	✓	✓	✓	✓	✓		✓	✓	★
STONE WHITE	0.69	0.86	0.67	84	✓	✓	✓	✓	✓	✓	✓	✓	★
TEAL	0.32	0.86	0.32	33	✓		✓						★
TERRA COTTA	0.34	0.87	0.33	36	✓		✓		✓		✓	✓	★
PAC-CLAD PREMIUM COLORS													
AGED COPPER	0.55	0.80	0.53	62	✓		✓						★
ANODIC CLEAR	0.32	0.83	0.31	31				✓					
CHAMPAGNE	0.50	0.85	0.49	57	✓		✓	✓	✓				★
COPPER PENNY	0.52	0.81	0.52	58	✓		✓	✓	✓		✓		★
SILVER	0.47	0.87	0.46	53	✓	✓	✓	✓	✓		✓	✓	★
SILVERSMITH	0.32	0.88	0.32	34				✓					
WEATHERED COPPER	0.45	0.88	N/A	51	✓								
WEATHERED STEEL	0.32	0.89	N/A	34	✓								
WEATHERED ZINC	0.48	0.82	0.46	53	✓	✓	✓		✓				★
ZINC	0.42	0.82	0.38	45	✓		✓	✓	✓				★
CLEAR-COAT ACRYLIC FINISH (NON-KYNAR)													
GALVALUME PLUS	0.68	0.14	0.55	57	✓	✓					✓		★

PAC-CLAD Premium 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, 70% PVDF finish ** Appearance differs for Black Aluminum and Matte Black Steel *** 10-year finish warranty

ENERGY STAR PERFORMANCE CRITERIA:

Emissivity uses ASTM C1371 Reflectivity uses ASTM C1549.

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; Chalk, per ASTM D 4214, rating of 6 or better; Color, per ASTM D 2244, < 5ΔE (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 1/16", 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 - 2H
- ▶ Specular Gloss (ASTM D 523) @ 60 degrees: Typical - 20 - 35

- ▶ Abrasion Resistance (ASTM D 968): 67 +/- 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



PETERSEN'S FULL LINE OF PAC-CLAD PRODUCTS INCLUDES:

- ▶ STANDING SEAM METAL ROOFING
- ▶ PRECISION SERIES WALL PANELS
- ▶ FLUSH PANELS
- ▶ EXPOSED FASTENER PANELS
- ▶ FASCIA AND COPING SYSTEMS
- ▶ SOFFIT PANELS
- ▶ COIL AND FLAT SHEET



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

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

1800 S. 7th Ave., Suite 130
 Phoenix, AZ 85007
 P: 833-750-1935
 F: 602-254-6504

9817 233rd Ave. E Suite A
 Bonney Lake, WA 98391
 P: 253-501-2450