PAC-CLAD®

PETERSEN

A CARLISLE COMPANY

Architectural Metal Roof, Wall and Perimeter/Roof Edge Systems

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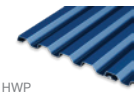
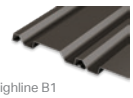
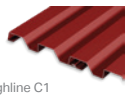

HWP

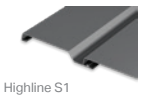

Highline B1

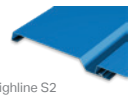
Highline B2


Highline C1

Highline C2

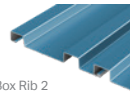
Highline M1

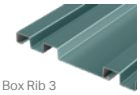

Highline S1

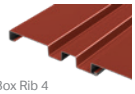

Highline S2

10 PRECISION SERIES BOX RIB WALL PANELS

Box Rib 1

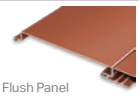

Box Rib 2


Box Rib 3


Box Rib 4

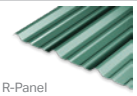
11 PRECISION SERIES TILES

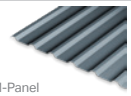
12-13 FLUSH AND REVEAL WALL PANELS


Flush Panel

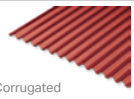
Reveal Panel

14-15 EXPOSED FASTENER PANELS


R-Panel


M-Panel

7.2 Panel


Corrugated

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Snap-Clad

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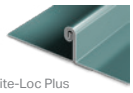
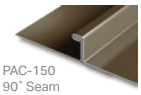
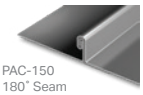
Tite-Loc


Tite-Loc Plus

26-27 PAC-150*

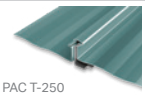
* Available only from our Georgia, Arizona and Maryland facilities


PAC-150 90˚ Seam


PAC-150 180˚ Seam

28-29 PAC T-250

**Available only in Illinois and Texas facilities


PAC T-250

30-31 SNAP-ON

Snap-On SS

Snap-On Batten

High Snap-On SS

32-33 REDI-ROOF

Redi-Roof SS w/ Offsets

Redi-Roof SS w/o Offsets

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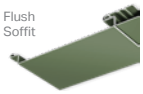
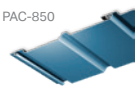

Flush Soffit

Reveal Soffit


PAC-850

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Cover photo:
Myrtle Beach Middle School, Myrtle Beach, SC
Installing contractor: Spann Roofing and Sheet Metal Inc.
Architect - exterior: Mozingo + Wallace Architects
Architect of record: SfL+a Architects
Owner: Horry County Schools
Photo: hortonphotoinc.com
Profile: Precision Series HWP
Colors: Charcoal, Silver

PAC-CLAD® PRODUCT RANGE

Petersen, a Carlisle company, manufactures PAC-CLAD architectural metal cladding products in multiple gauges of steel and aluminum. PAC-CLAD products include wall and roof panel systems and accessories, plus coil and flat sheet, all of which can be applied to nonresidential and residential structures. Founded in 1965 and headquartered in Elk Grove Village, IL, Petersen also operates full production facilities in Georgia, Texas, Maryland and Arizona plus a regional sales office in Minnesota. Petersen maintains a national network of field sales representatives to provide service to all 50 United States plus locations in Canada, Mexico and the Caribbean.

The range of PAC-CLAD products includes factory-produced wall and roof panel systems, soffit panels, flat sheet and coil, perforated aluminum, coping and fascia, column covers, snow retention systems, custom fabrication services, plus glass trim and storefront products. Available materials include PAC-CLAD prefinished 24 and 22 gauge steel; .032, .040, .050 and .063 gauge aluminum; 032 – .125 gauge mill finish aluminum; and anodized aluminum in .032 through .125 gauge.

WALL PANEL SYSTEMS

Wall systems include hidden-fastener and exposed-fastener panels, composite systems plus column covers. Aluminum panels, coil and flat sheet are available perforated in multiple combinations of hole sizes, shapes and spacing.

ROOF PANEL SYSTEMS

Standing seam roof panel profiles include mechanically seamed and snap-seam profiles. Multiple styles of soffit panels are offered in either solid or vented.

PERIMETER / EDGE PRODUCTS

Coping and fascia systems are available with matching flashing and trim, which can be factory-formed or field-formed from PAC-CLAD material. Trim, gutters and downspouts can be produced as well. All Petersen perimeter systems are produced in 12′ lengths for savings in material handling over typical 8′ or 10′ lengths. Perimeter products are tested to the standards of ANSI/SPRI/FM 4435/ES-1, Miami-Dade and FM.

PAC-CLAD COLORS

PAC-CLAD is a versatile and durable coating of 70% polyvinylidene fluoride (PVDF) made with Kynar 500 resin that is applied to Galvalume steel or prime quality aluminum. A 30-year finish warranty is included with Petersen's standard colors. Custom colors are available; 16 PVDF wood grain finishes are offered on most wall panels, coil and flat sheet. Most colors meet LEED and Energy Star requirements and are rated by the Cool Roof Rating Council. Galvalume Plus is available.

WARRANTIES

Petersen offers a 30-year finish warranty against fading and chipping, plus a coastal finish warranty against saltwater exposure for PAC-CLAD aluminum only. An optional weathertightness warranty is offered. Technical assistance and service are available from a nationwide network of architectural representatives who can assist with material selection, finish specification, installation and budgeting. In addition to the information found in this catalog, Petersen maintains an extensive website at pac-clad.com where this catalog and other literature is available in digital format.

Latrobe Elementary School, Latrobe, PA
Contractor: Pennsylvania Roofing Systems
Architect: Axis Architecture
Photo: hortonphotoinc.com
Profiles: Tite-Loc Plus, PAC-750 Soffit
Color: Custom Marquis Orange

PAC-CLAD® COLOR CHART

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 finishes Weathered Steel and Weathered Copper. These colors are ideal for all building envelope applications. A PAC-CLAD 30-year, non-prorated finish warranty applies.

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.

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) 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

PREMIUM COLORS

* Denotes PAC-CLAD Cool Color

PAC-CLAD® COLOR AVAILABILITY

PAC-CLAD STANDARD COLORS	REFLECTIVITY	EMISSIVITY	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	✓	✓	✓		✓				★
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 BLUE	0.28	0.86	0.27	27	✓		✓						★
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.

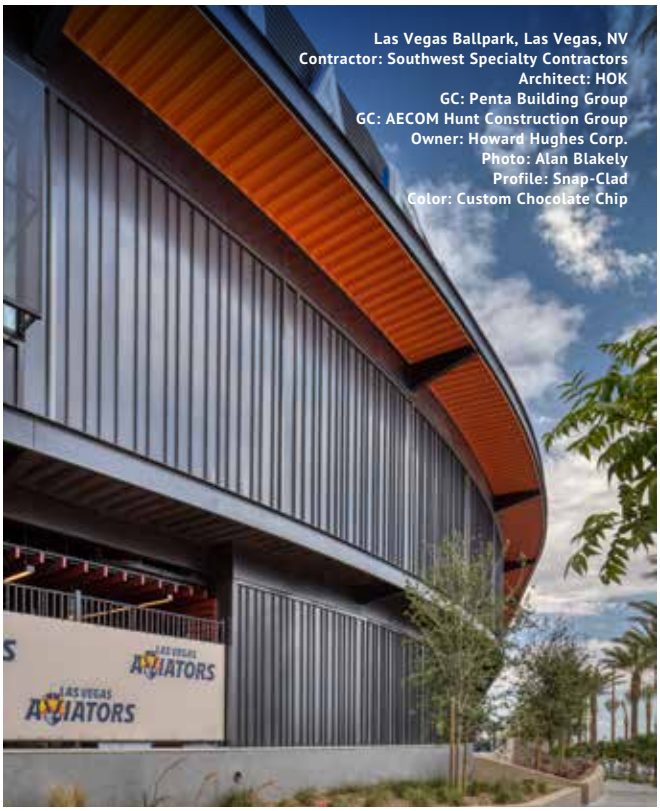
TECHNICAL DATA FOR KYNAR 500/HYLAR 5000 COATING:

- 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, creep from scribe no more than 1/16" (2mm), no field blisters. Galvalume or HDG: 2000 hours, creep from scribe no more than 1/8" (4mm), 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): 80 Liters/Mil +/- 5 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

PAC-CLAD is a registered trademark of Petersen Aluminum Corp. Kynar 500 is a registered trademark of Arkema Inc. Hylar 5000 is a registered trademark of Solvay Solexis.

PAC-CLAD® WALL PANEL APPLICATIONS

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



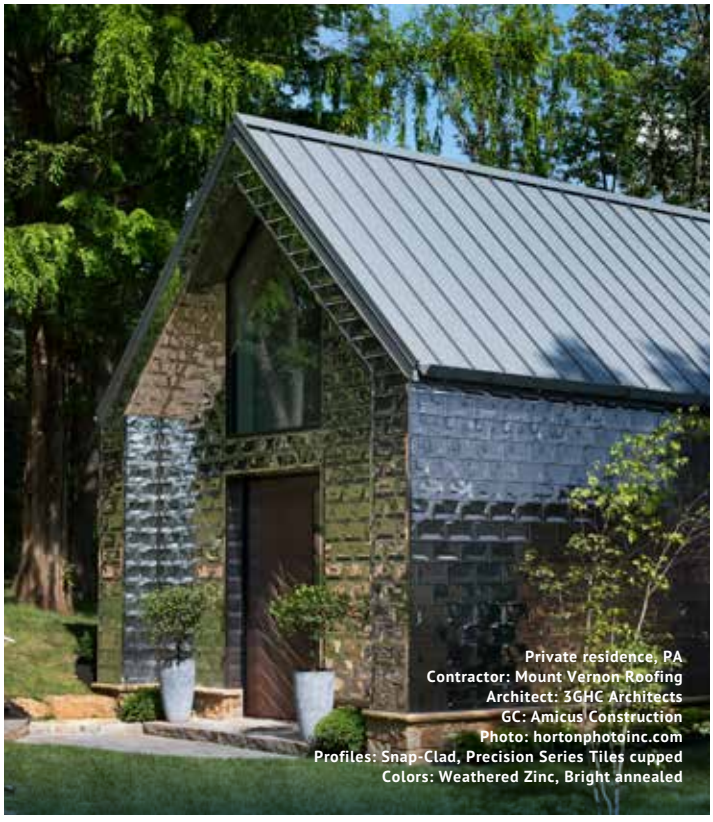
Las Vegas Ballpark, Las Vegas, NV
Contractor: Southwest Specialty Contractors
Architect: HOK
GC: Penta Building Group
GC: AECOM Hunt Construction Group
Owner: Howard Hughes Corp.
Photo: Alan Blakely
Profile: Snap-Clad
Color: Custom Chocolate Chip

Moving Everest Charter School, Chicago, IL
Contractor: WBR Roofing
Architect: Team A
GC: Novak
Owner: By The Hand
Photo: Scott Bell
Profiles: 7/8-in. corrugated,
7/8-in. perforated aluminum
Color: Charcoal

Note: Image is behind the perforated metal.
Image was not supplied by Petersen.

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: hortonphotoinc.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 ⅞" or 1-⅜"
- 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

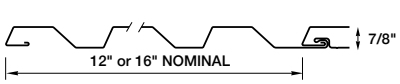
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" or 16" Wide
7/8" High



HIGHLINE B1

WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

11.356" Wide
1-3/8" High

HIGHLINE B2

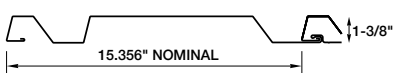
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

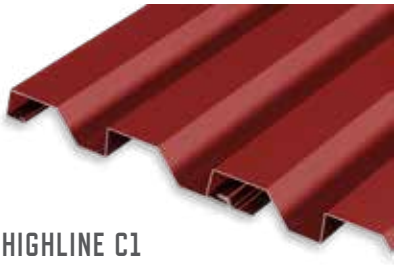
15.356" Wide
1-3/8" High



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

The original Precision Series HWP profile features a ⅞" depth, while the Precision Series Highline profiles are 1-⅜" 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
.040 aluminum
.050 aluminum
24 gauge steel
22 gauge steel

SPECS

11.356" Wide
1-3/8" High

HIGHLINE C2

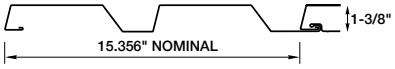
WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

15.356" Wide
1-3/8" High



HIGHLINE M1

WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12.043" Wide
1-3/8" High

HIGHLINE S1

WITH OR WITHOUT CLIP

Note: Minimum panel length is 5'

MATERIALS

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

SPECS

11.356" Wide
1-3/8" High

HIGHLINE S2

WITH OR WITHOUT CLIP

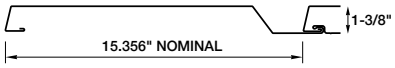
Note: Minimum panel length is 5'

MATERIALS

.050 aluminum
22 gauge steel

SPECS

15.356" Wide
1-3/8" High



Highline 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
- ASTM E283
- ASTM E331
- AAMA 501.1-05
- ASTM 1592

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

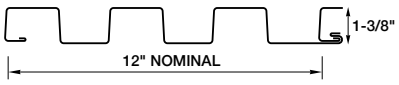
MATERIALS

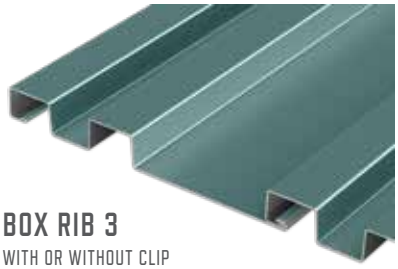
.032 aluminum
.040 aluminum
.050 aluminum
24 gauge steel
22 gauge steel

SPECS

12" Wide
1-3/8" High

Note: Minimum panel length is 4'





BOX RIB 3

WITH OR WITHOUT CLIP

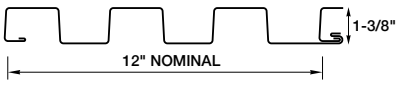
MATERIALS

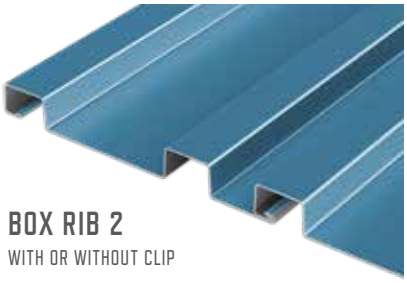
.032 aluminum
.040 aluminum
.050 aluminum
24 gauge steel
22 gauge steel

SPECS

12" Wide
1-3/8" High

Note: Minimum panel length is 4'





BOX RIB 2

WITH OR WITHOUT CLIP

MATERIALS

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

SPECS

12" Wide
1-3/8" High

Note: Minimum panel length is 4'

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

BOX RIB 4

WITH OR WITHOUT CLIP

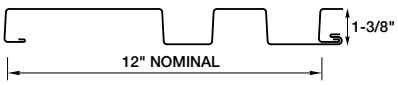
MATERIALS

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

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.

JOINT DETAILS

CLIP	
FASTENER FLANGE	

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

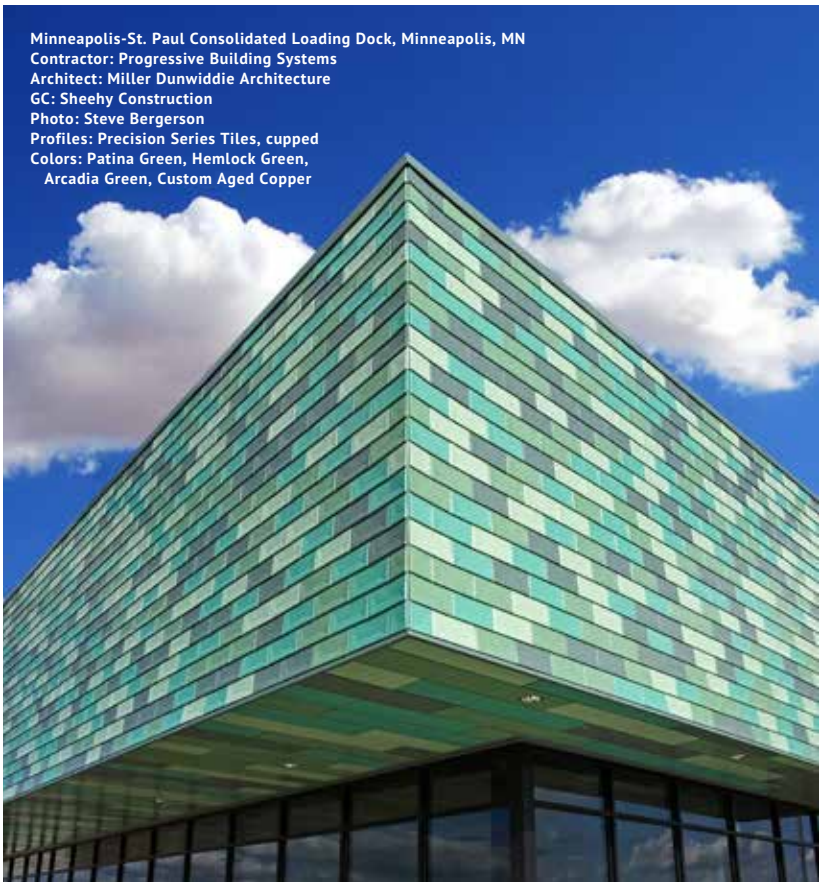
The flat tile has the flexibility to integrate with both modern and traditional designs.

- 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

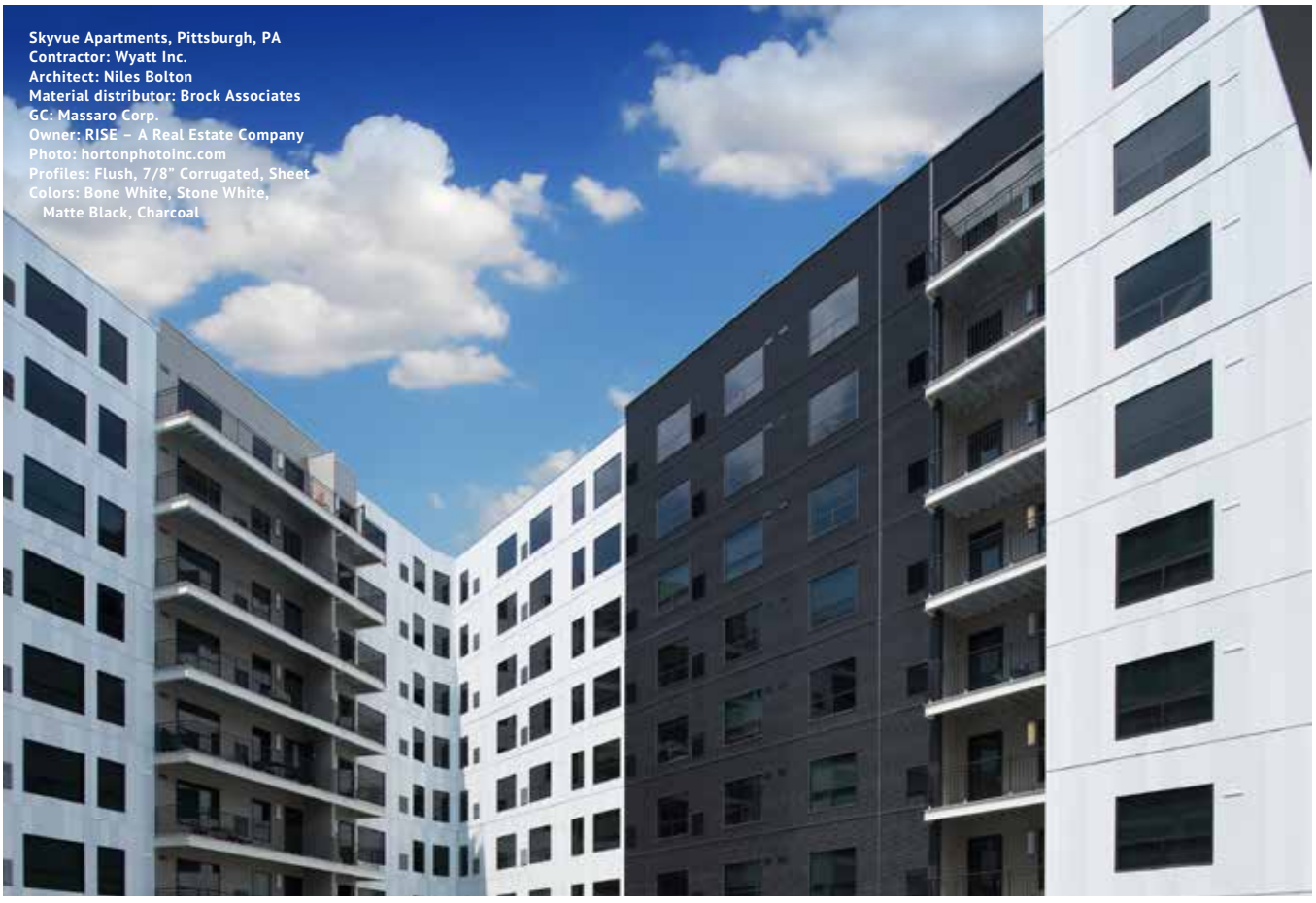
An optional patented concealed fastening clip is available on the 12" panel only to raise a panel assembly's wind resistance performance level. The optional clip has been designed and tested to resist disengagement during high-wind events.

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.

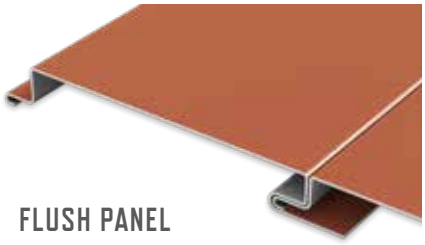
HORIZONTAL APPLICATIONS

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

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



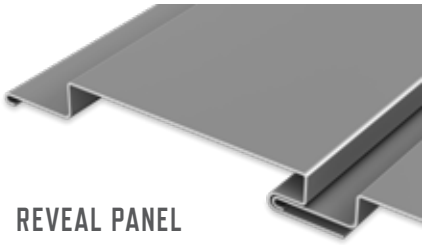
FLUSH PANEL

MATERIALS

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

SPECS

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



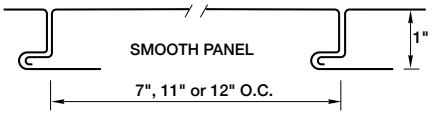
REVEAL PANEL

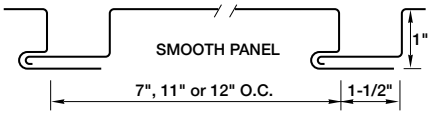
MATERIALS

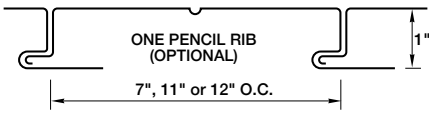
.032 aluminum	24 gauge steel
.040 aluminum*	22 gauge steel*

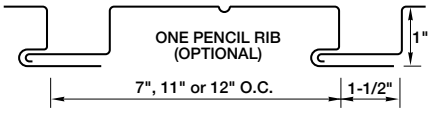
SPECS

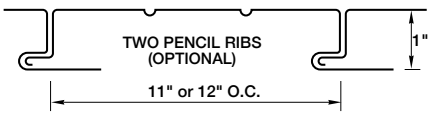
7", 11", or 12" O.C.	1" High

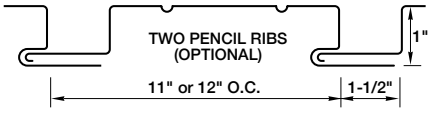












- 12" O.C. has reduced fastener flange
- Clip not shown in drawings above
- A complete specification is available online at pac-clad.com.

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 stoc ked 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.

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 ⅞" 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 ½" 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

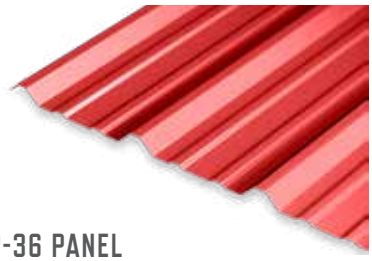
- 30-year non-prorated finish warranty
- Matching screws and rivets
- Closure strips available
- Precut short lengths (5'-0" minimum) (3'-0" on the M-42)
- Panel lengths up to 30' on steel and 22' on aluminum

MATERIAL

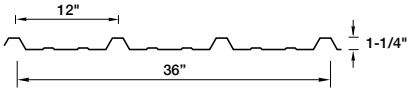
- 43 stocked colors (24 gauge steel)
- 16 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 22 stocked colors (.040 aluminum)
- 29 stocked colors (.050 aluminum)
- Galvalume Plus available

FLORIDA BUILDING PRODUCT APPROVALS

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



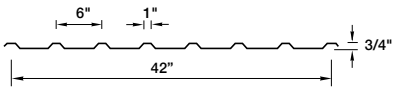
R-36 PANEL



MATERIALS

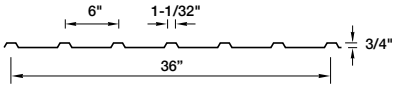
.032 aluminum
.040 aluminum
.050 aluminum
24 gauge steel
22 gauge steel

M-42 PANEL*



Note: Made only in Tyler, Texas facility

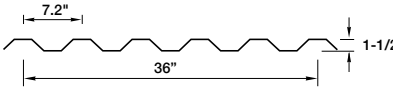
M-36 PANEL*



MATERIALS

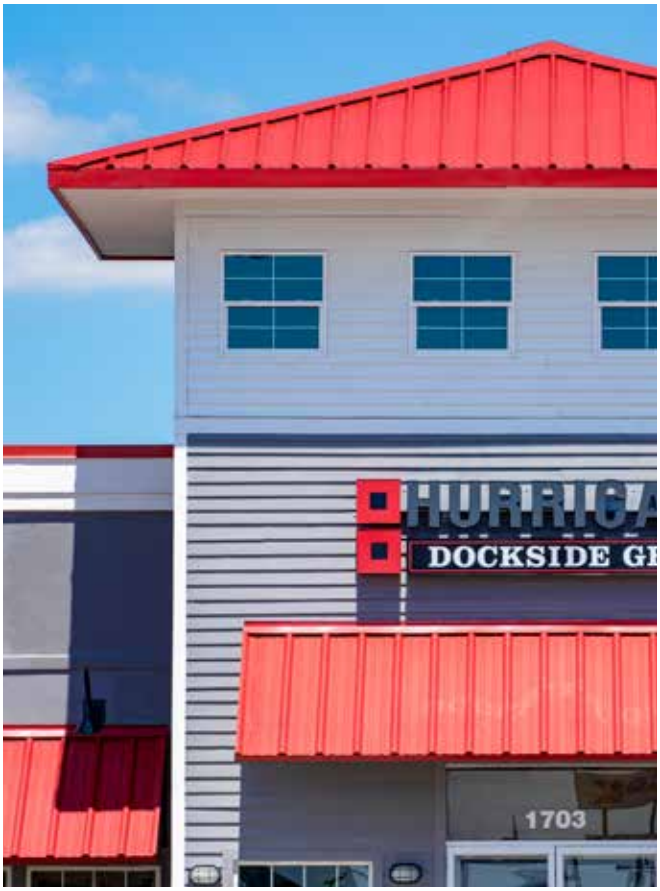
.032 aluminum
.040 aluminum
.050 aluminum
24 gauge steel
22 gauge steel

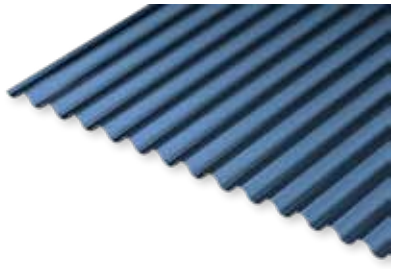
7.2 PANEL



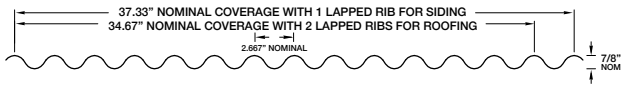
MATERIALS

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

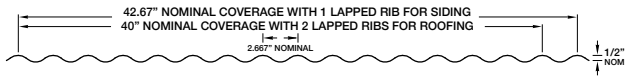




7/8" CORRUGATED



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

Dearing Elementary School, Pflugerville, TX
Contractor: Dean Contracting Co.
Architect: SHW Group
GC: Bartlett Cocke GCs
Owner: Pflugerville Independent School District
Photo: Dror Baldinger FAIA
Profiles: Composite Panels, Flush Wall Panels
Colors: Copper Penny, Silver Metallic

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

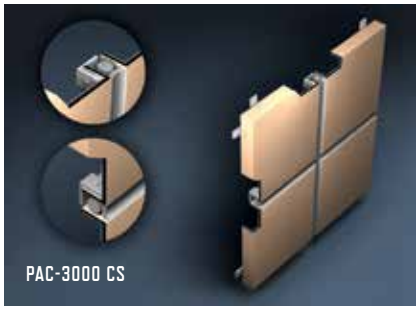
MATERIAL

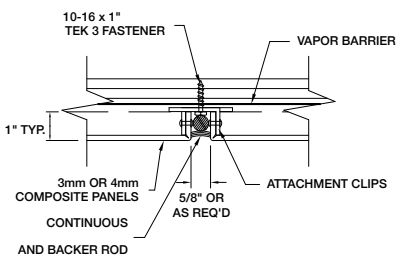
- 3mm, 4mm, 6mm – Composite
- .063 - .125 Mill Finish Aluminum
- Zinc
- Stainless steel
- Anodized aluminum

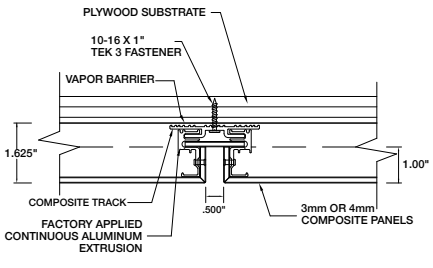
TESTS

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

*Composite material only



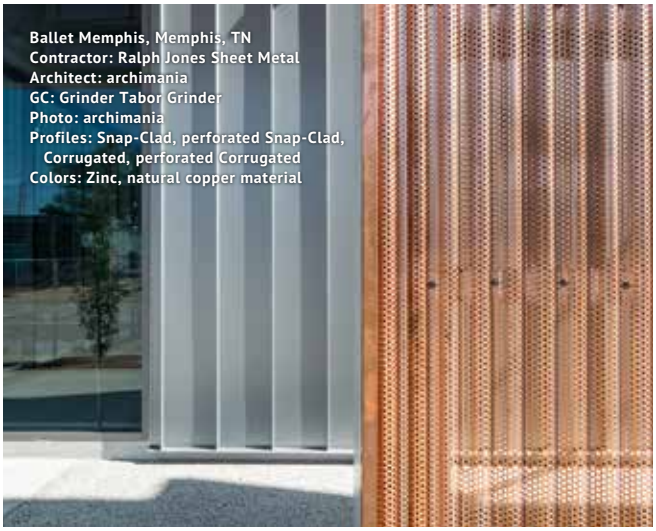




PERFORATED METAL

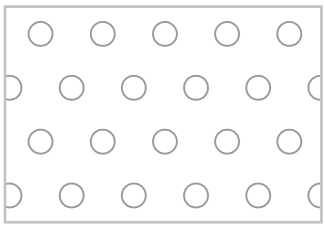
Petersen offers perforation of select PAC-CLAD metal wall panels and flat sheet. Perforated panels and metal can provide a contrasting look with any non-perforated metal to create visual interest on any project. Architects can specify perforated aluminum and copper to diffuse light, air or sound, or simply for architectural flair. Typical applications include equipment screens, partitions, sign panels, parking decks, guards, interior acoustical applications and enclosures of any kind.

Perforation is available in a nearly endless combination of hole sizes, spacing and open space percentages to complement virtually any architectural design or need. Perforation options will vary by panel profile and metal thickness; consult factory for details.



Ballet Memphis, Memphis, TN
Contractor: Ralph Jones Sheet Metal
Architect: archimania
GC: Grinder Tabor Grinder
Photo: archimania
Profiles: Snap-Clad, perforated Snap-Clad, Corrugated, perforated Corrugated
Colors: Zinc, natural copper material

THE MOST POPULAR EXAMPLES ARE SHOWN BELOW. ADDITIONAL OPTIONS ARE AVAILABLE.



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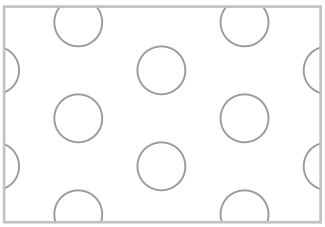

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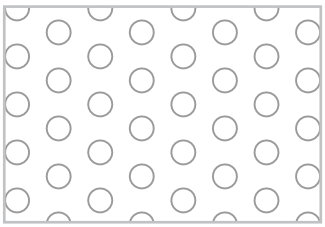

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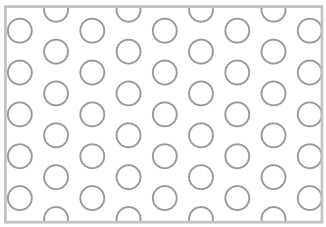

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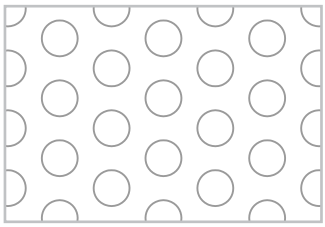

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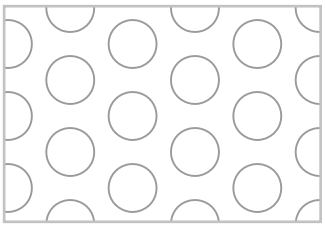

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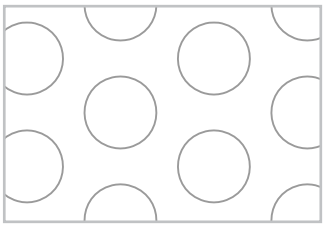


g

For availability details, match the letters beneath each image with the letters in the chart below.

	PATTERN SPECS			AVAILABLE ROLL-FORMED PANELS							SHEET
	DIAMETER	CENTERS (staggered)	OPEN AREA	FLUSH/REVEAL	HWP	HIGHLINE	CORRUGATED	7.2 PANEL	R-36	M-36	
a	1/8" Round	0.324"	13.5%	**	✔	✔	✔	✔	✔	✔	✔
b	1/4" Round	1/2"	23%	**	✔	✔	✔	✔	✔	✔	✔
c	1/8" Round	1/4"	23%	**	✔	✔	✔	✔	✔	✔	✔
d	1/8" Round	7/32"	30%	**	✔	✔	✔	✔	✔	✔	✔
e	3/16" Round	5/16"	33%	**	✔	✔	✔	✔	✔	✔	✔
f	1/4" Round	3/8"	40%	**	✔	✔	✔	✔	✔	✔	✔
g	3/8" Round	9/16"	40%	**	✔	✔	✔	✔	✔	✔	✔

✔ Available in .032, .040 and .050 roll-formed products | ** Available in .032 and .040 roll-formed products

Consult local factory for additional pattern options not shown on the above chart.

Notes: Extra charges are applied for perforation Steel will not be perforated Limitations might apply for certain perforation specs; check with Petersen facility for details and options.

PAC-CLAD® ROOF AND WALL PANEL APPLICATIONS

Rennen & Beecher Flats, Cincinnati, OH
Contractor: Deuss Enterprises
Architect: Perfido Weiskopf Wagstaff + Goettel Architects
Distributor: Allied Building Products
GC: Titan Real Estate Group
Owner: 3CDC
Photo: hortonphotoinc.com
Profiles: Reveal Panel, flat sheet
Color: Slate Gray

Sandra Stetson Aquatic Center, DeLand, FL
Contractor: Quality Metals Inc.
Architect: Preston T. Phillips Architect
GC: Charles Perry Partners Inc.
Owner: Stetson University, DeLand, FL
Photo: hortonphotoinc.com
Profile: PAC 150
Color: Custom Stetson Green

Destin Commons, Destin, FL
Contractor: Roof Specialties
Architect: JPRA Architects
Distributor: CRS – Commercial Roofing Specialties
Photo: hortonphotoinc.com
Profile: Snap-Clad
Colors: Arcadia Green, Slate Gray, Terra Cotta

Ballet Memphis, Memphis, TN
Contractor: Ralph Jones Sheet Metal
Architect: archimania
GC: Grinder, Taber & Grinder, Inc.
Photo: courtesy of archimania
Profile: Snap-Clad, perforated Snap-Clad, perforated Corrugated
Colors: Zinc, natural copper material

PAC-CLAD® ROOF AND WALL PANEL APPLICATIONS

Cade Museum, Gainesville, FL
Contractor: Architectural Sheet Metal,
Architect: GWWO Inc. Architects
Photo: hortonphotoinc.com
Profile: 7/8-in. corrugated
Color: Galvalume Plus

Shirley Ryan Ability Lab, Burr Ridge, IL
Contractor: All American Exterior Solutions
Architect: HDR Architecture
GC: Krusinski Construction Co.
Owner: Shirley Ryan Ability Lab
Photo: A. J. Brown
Profiles: Tite-Loc Plus, PAC 750, PAC 1000
Color: Weathered Zinc

Eloy City Hall, Eloy, AZ
Contractor: Progressive Roofing
Architect: Smith Group
GC: Core Construction
Owner: City of Eloy, AZ
Photo: Alan Blakely
Profile: 7.2 Panel perforated
Color: Aged copper

Craig Ranch Phase III, McKinney, TX
Contractor: Stazon Roofing
Architect: JHP Architecture
Material distributor: Roofing Supply Group
GC: Amicus Construction
Owner: Lincoln Property Co.
Photo: Tom Coplen
Material: Steel coil
Colors: Weathered Steel, Zinc

SNAP-CLAD PANELS

Snap-Clad panels feature architectural aesthetics as well as structural performance. Snap-Clad panels, produced in continuous lengths, are leveled to provide superior flatness and feature an optional factory-applied sealant bead for improved weather resistance. Maximum panel length is 64′ and minimum panel length is 4′. Consult factory for longer lengths.

Snap-Clad panels feature a 1-¾" leg height and a continuous interlock for improved structural performance and wind resistance. A concealed-fastener clip system allows for thermal expansion/contraction while providing extraordinary hold-down strength. Two clips are available: a standard clip for most mansard and fascia applications, and a high-performance clip for roofing applications and UL 90-rated assemblies.

TRIM

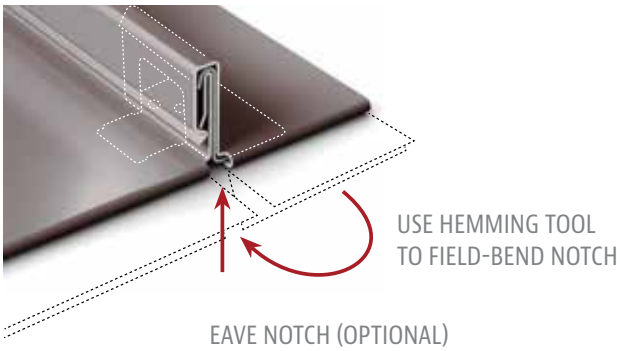
All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032 - .063 gauge as specified) or PAC-CLAD steel (24 gauge or 22 gauge as specified). A 30-year non-prorated finish warranty can be supplied covering finish performance. Minimum bending radius is 2T; consult rep for details. Vinyl masking is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

INSTALLATION

Snap-Clad panels are intended for use in roofing, mansard and fascia applications. Substrates may include ⅝" (min.) plywood, nailboard insulation or equal with an underlayment of ice and water shield applied horizontally from eave to ridge. Other substrates may include metal decking or rigid insulation in conjunction with bearing plates. A minimum 2:12 pitch is recommended in most applications. Contact Petersen for assistance with details 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.



EAVE NOTCH (OPTIONAL)
AT FORMED SEAMS

PRODUCT FEATURES

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

UL CLASSIFICATION

- UL-580 Class 90 wind uplift
- UL-1897 wind uplift
- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated
- UL-90 rated aluminum panel up to 16" O.C.
- UL-90 rated steel panel up to 18" O.C.

ASTM TESTS

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

FLORIDA BUILDING & MIAMI-DADE PRODUCT APPROVALS

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

Private Residence, Chicago, IL
Contractor: Custom Installations
Architect: Kipnis Architecture and Planning
Distributor: Sheet Metal Supply
GC: Shardon Builders
Photo: A.J. Brown
Profile: Snap-Clad
Color: Weathered Zinc

UL 90 ICC ES

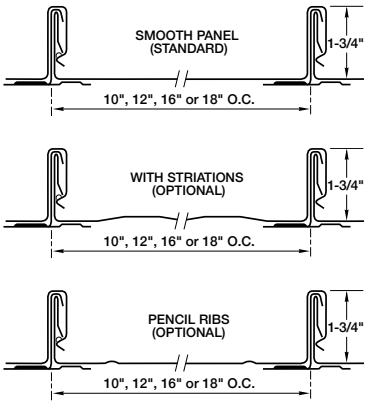
SNAP-CLAD

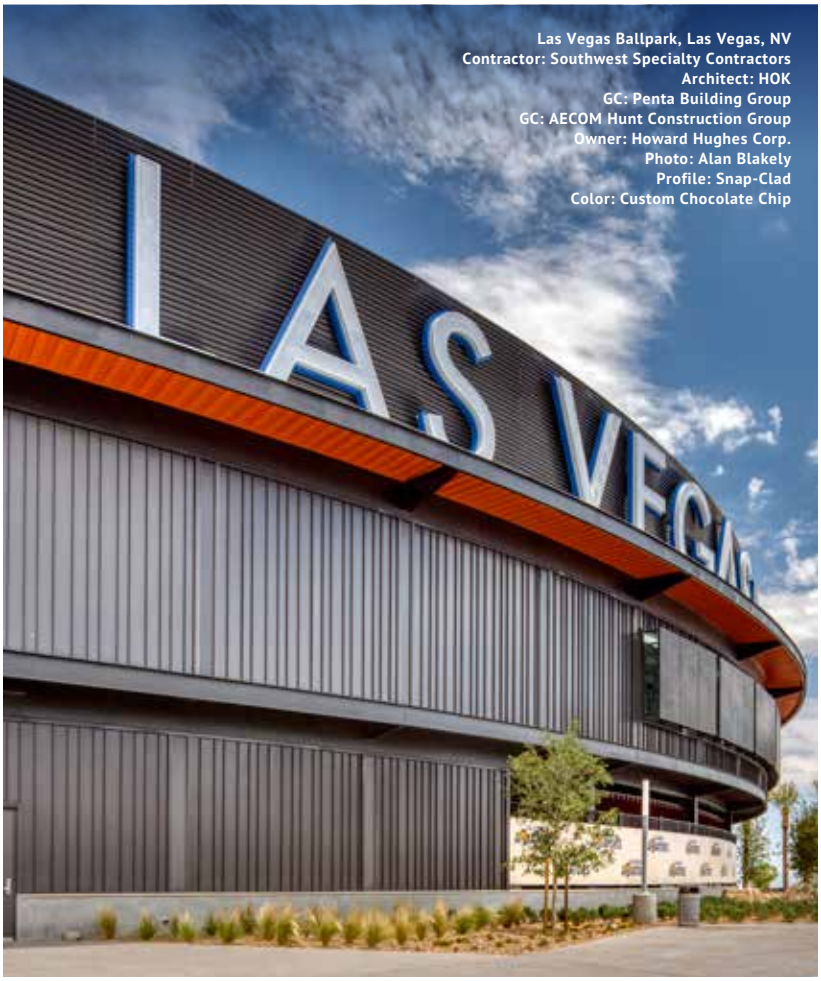
MATERIALS

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

SPECS

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





Las Vegas Ballpark, Las Vegas, NV
Contractor: Southwest Specialty Contractors
Architect: HOK
GC: Penta Building Group
GC: AECOM Hunt Construction Group
Owner: Howard Hughes Corp.
Photo: Alan Blakely
Profile: Snap-Clad
Color: Custom Chocolate Chip

TITE-LOC PANELS

Innovation Amphitheater, Winder, GA
Contractor: Saco Systems
Architect: Lindsay Pope Brayfield Clifford
Distributor: CRS: Commercial Roofing Specialties
Owner: Barrow County, GA
Photo: hortonphotoinc.com
Profiles: Tite-Loc, Snap-Clad
Color: Charcoal

Tite-Loc panels combine structural panel performance with architectural panel aesthetics. Tite-Loc panels are leveled to provide superior panel flatness. A factory-applied sealant bead can be applied for additional weather resistance. Maximum panel length is 64′ and minimum panel length is 4′. Consult factory for longer lengths.

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

TRIM

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

INSTALLATION

Tite-Loc panels are intended for use in architectural and structural roofing. Substrates may include ⅝″ (min.) plywood, nailboard insulation or equal with an underlayment of ice and water shield applied horizontally from eave to ridge. Other substrates may include metal decking, purlins or rigid insulation in conjunction with bearing plates. A minimum ½:12 pitch is required. Contact Petersen for further assistance with projects details.

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

TITE-LOC/TITE-LOC PLUS PANELS

Tite-Loc and Tite-Loc Plus panels are factory-formed to length and field-seamed to a 90° lock (Tite-Loc) or a 180° lock (Tite-Loc Plus). The panels have been designed for application over a wide variety of substrates on roof slopes as low as ½:12 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

Tite-Loc and Tite-Loc Plus panels require the use of mechanical seamers. When seaming panels on slopes greater than 6:12, caution must be exercised to prevent seamer slippage and resulting finish scratches that may void the warranty. Seamers are available along with hand crimpers and other tools through D.I. Roof Seamers, which is the only supplier of this equipment approved by Petersen. For details and rental information visit pac-clad.diroofseamers.com.

CURVED APPLICATIONS

The Tite-Loc panels can be curved to a minimum radius of 20′. Tite-Loc curving can be done in the field or at the factory depending on the radius and length of the panel. Tite-Loc Plus panels cannot be curved.

For more details about Petersen's curving capabilities, please contact your local Petersen factory.

TITE-LOC

MATERIALS

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

SPECS

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

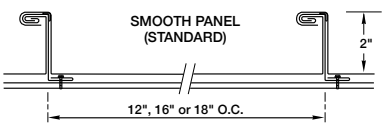
TITE-LOC PLUS

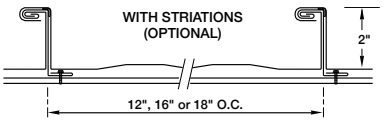
MATERIALS

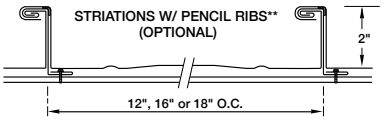
.032 aluminum* 24 gauge steel*
.040 aluminum* 22 gauge steel*

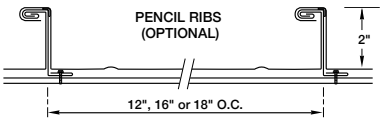
SPECS

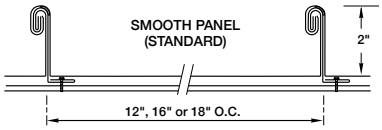
12", 16" or 18" O.C. 2" High

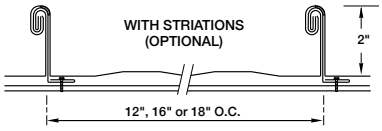


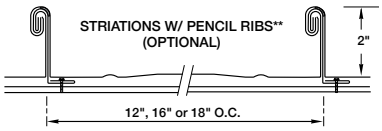


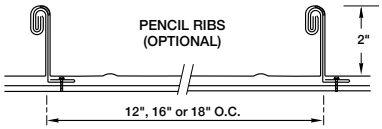












Not all panel conditions are available in each Petersen branch; additional freight charges might apply if specific panel condition is required. Tite-Loc and Tite-Loc Plus panels are supplied "smooth" as standard. Customer must advise if additional panel conditions are required.

PRODUCT FEATURES

- Pencil ribs and striations are only available by request
- 30-year non-prorated finish warranty
- Maximum factory-produced panel length is 64' (check w/factory for longer lengths)
- Weathertightness warranty available

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

UL CLASSIFICATION

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

TESTS (TITE-LOC PLUS ONLY)

- 24 Gauge Steel SSTD Missile Impact Tested - Passed
- .032 Aluminum SSTD Missile Impact Tested - Passed

ASTM TESTS

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

FLORIDA BUILDING & MIAMI-DADE PRODUCT APPROVALS

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

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

Cape Canaveral Volunteer Fire Station, Cape Canaveral, FL
Contractor: Quality Metals
Architect: BRPH
GC: W&J Construction
Photo: hortonphotoinc.com
Profile: Tite-Loc Plus
Color: Arcadia Green

PAC-150 PANELS

Private Residence, FL
Contractor: Moore Roofing
Distributor: ABC Supply
Photo: hortonphotoinc.com
Profile: Snap-Clad
Color: Cityscape

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

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

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

REGIONAL AVAILABILITY

PAC-150 is produced only in Petersen's Georgia, Maryland and Arizona facilities; additional freight charges might apply.

CURVED APPLICATIONS

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

SEAMERS

PAC-150 panels require the use of mechanical seamers. When seaming panels on slopes greater than 6:12, caution must be exercised to prevent seamer slippage and resulting finish scratches that may void the warranty. Seamers are available along with hand crimpers and other tools through D.I. Roof Seamers, which is the only supplier of this equipment approved by Petersen. For details and rental information visit pac-clad.diroofseamers.com.

PAC-150
90° SEAM

MATERIALS

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

SPECS

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

PAC-150
180° SEAM

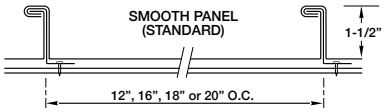
ICC ES

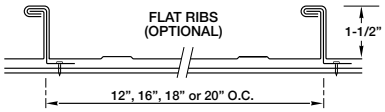
MATERIALS

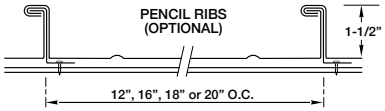
.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel

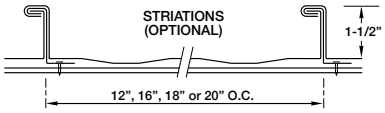
SPECS

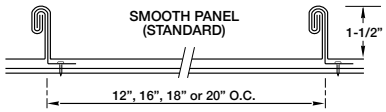
12", 16", 18" or 20" O.C.	1-1/2" High

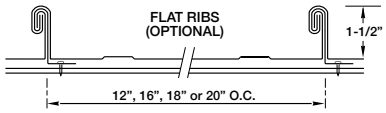


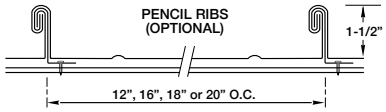


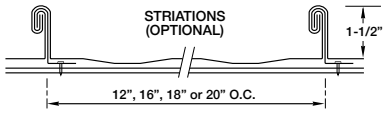












PRODUCT FEATURES

- 30-year non-prorated finish warranty
- Weathertightness warranty available
- Available in four pan variations; smooth, striated, pencil rib or flat rib. Check locally for panel condition availability
- Maximum panel length of 64' when factory or shop-formed but virtually unlimited when field-formed
- Mechanically seamed in the field to 90° or 180°
- NOTE: Seamers for PAC-150 are available from pac-clad.diroofseamers.com

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

UL CLASSIFICATION

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

FLORIDA BUILDING PRODUCT APPROVALS

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

Photo below: Theodore Roosevelt National Wildlife Refuge Visitor's Center, Onward, MS
Contractor: Central Roofing
Architect: John S. Odom Architect
Distributor: MS Roofing Supply
Owner: U.S. Fish and Wildlife Service
Photo: hortonphotoinc.com
Profile: PAC-150 Color: Weathered Steel

PAC T-250 PANELS

PAC T-250 panels are factory-formed or field formed to length and field-seamed. The panels have been designed for application over a wide variety of substrates on roof slopes as low as ½ : 12 pitch. PAC T-250 panels can be produced in 22 and 24 gauge steel or .032 and .040 aluminum. The PAC T-250 panels combines structural panel performance with architectural panel aesthetics. PAC T-250 panels feature a 2.5" nominal finished panel height from the deck with seam cap that requires mechanical field seaming after installation. T-250 panels have a continuous and/or intermittent concealed-fastener clip system designed to allow for thermal expansion/contraction. Adhesive beads are factory-applied to the seam cover.

TRIM

All flashing and trim shall be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum or steel. A 30-year non-prorated finish warranty can be supplied covering finish performance. Minimum bending radius is 2T; consult rep for details. Vinyl film is recommended on all fabrication applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

INSTALLATION

PAC T-250 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 applied horizontally from eave to ridge. Other substrates may include metal decking, purlins or rigid insulation in conjunction with bearing plates. Maximum seam cap length is 25'. Contact Petersen for further assistance with project details. For coastal applications, aluminum panels along with stainless steel clips must be used for finish warranty. Consult a local architect/engineer for compliance with local codes and conditions.

SEAMING

PAC T-250 panels require the use of mechanical seamers, which are available along with hand crimpers and other tools through D.I. Roof Seamers, which is the only supplier of this equipment approved by Petersen. For details and rental information visit pac-clad.diroofseamers.com.

REGIONAL AVAILABILITY

PAC T-250 is produced only in Petersen's Illinois and Texas facilities; additional freight charges might apply.

PRODUCT FEATURES

- Smooth panels are standard
- Maximum factory-produced panel length is 54 ft. (check w/factory for longer lengths)
- Architectural/structural panel
- Factory-applied sealant in seam cover
- 30-year non-prorated finish warranty
- Field forming panels are available for long length requirements
- Weathertightness warranty available
- Continuous and/or intermittent clips
- Not available in all locations. Consult PAC rep for availability.

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

TESTING

- ASTM 283 & 331 tested
- ASTM 1680 & 1646 tested
- ASTM E1592 tested
- ASTM E2140 tested
- FM 4474
- UL-580
- UL-897

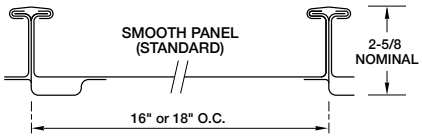
PAC T-250

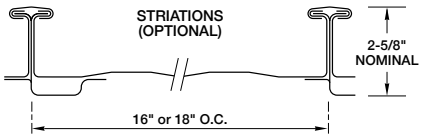
MATERIALS

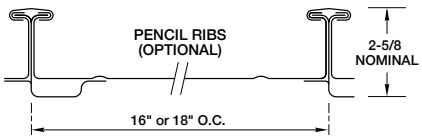
.032 aluminum	24 gauge steel
.040 aluminum	22 gauge steel

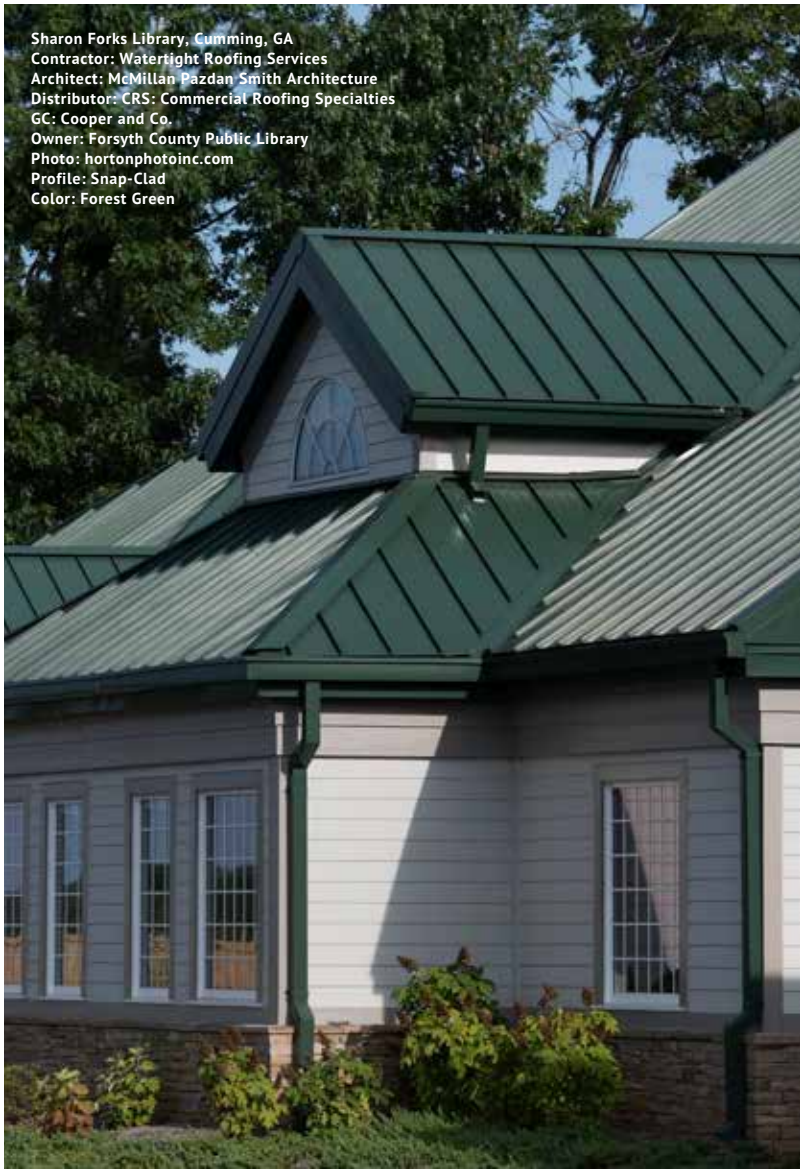
SPECS

16", or 18" O.C.	2-5/8" nominal high



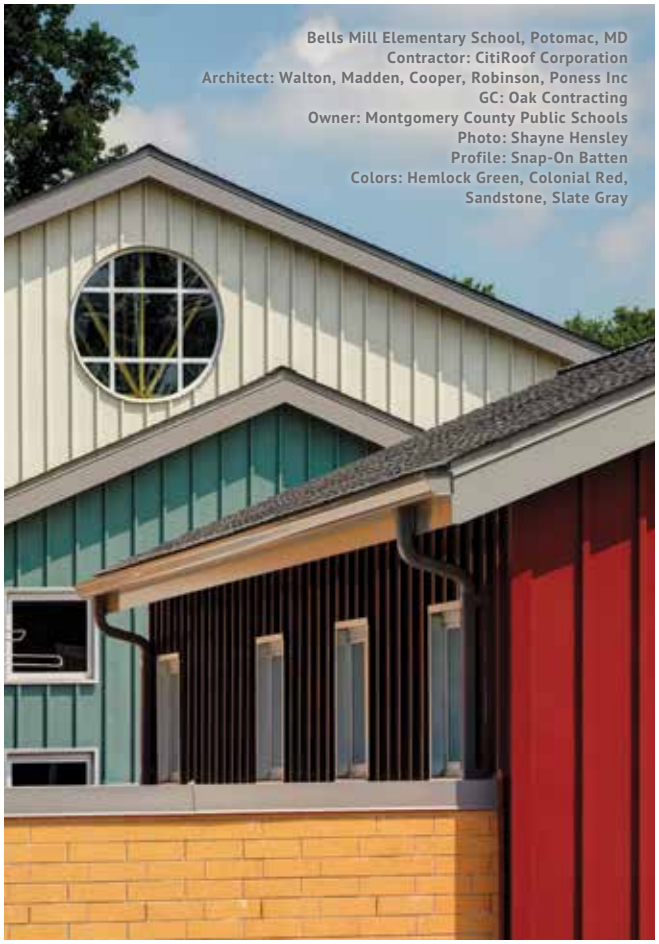






Sharon Forks Library, Cumming, GA
Contractor: Watertight Roofing Services
Architect: McMillan Pazdan Smith Architecture
Distributor: CRS: Commercial Roofing Specialties
GC: Cooper and Co.
Owner: Forsyth County Public Library
Photo: hortonphotoinc.com
Profile: Snap-Clad
Color: Forest Green

SNAP-ON PANELS



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

Snap-On panels are ideal for use in roofing, mansard and fascia applications. Snap-On panels are designed to be installed over a waterproofed solid substrate and a minimum 3:12 roof pitch. Snap-On panels are factory roll-formed in continuous lengths. Maximum panel length is 35′ and minimum panel length is 4′. Consult factory for nonstandard lengths.

The simplicity of the pan design combined with leveling provides superior flatness and allows for greater workability on site.

TRIM

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

INSTALLATION

Snap-On panels shall be installed over solid decking (⅝" plywood, nailboard insulation or equal) with an underlayment applied horizontally from eave to ridge. Panels shall be fastened using Petersen nonpenetrating clips, fastening on 18" centers (max.). Minimum slope at 3:12 pitch. Consult a local architect or engineer for requirements of local codes and conditions.

CURVED PANELS

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

PRODUCT FEATURES

- Ideal for transition roofs
- Pencil ribs available
- 30-year non-prorated finish warranty
- Panel lengths up to 35′

MATERIAL

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

UL CLASSIFICATION

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

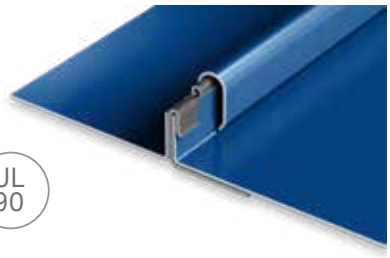
ASTM TESTS

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

FLORIDA BUILDING PRODUCT APPROVALS

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

Charleston Harbor Resort, Mount Pleasant, SC
Contractor: Achelpohl Roofing
Architect: Glick Boehm
GC: Hogan Construction
Owner: Brothers Property Management Corp.
Photo: hortonphotoinc.com
Profiles: Tite-Loc Plus, Snap-On, PAC-150
Color: Silver



UL 90

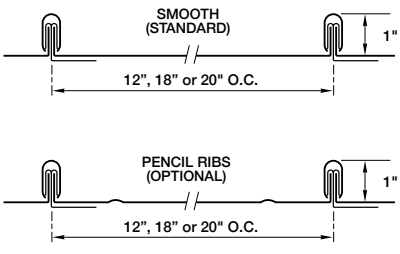
SNAP-ON STANDING SEAM

MATERIALS

.032 aluminum
24 gauge steel*

SPECS

12", 16", 18" or 20" O.C.
1" High



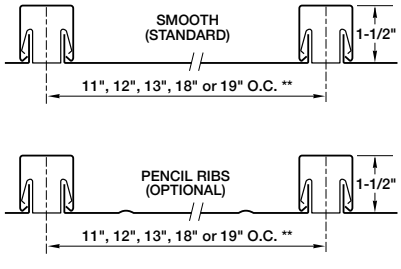
SNAP-ON BATTEN

MATERIALS

.032 aluminum
24 gauge steel

SPECS

11", 13", 17" or 18" O.C.**
1-1/2" High



UL 90

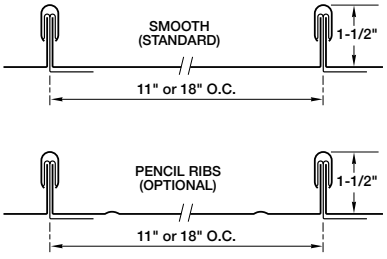
HIGH SNAP-ON STANDING SEAM

MATERIALS

.032 aluminum
24 gauge steel*

SPECS

11", 12", 16" or 18" O.C.
1-1/2" High



*12" and 18" 24 gauge steel Snap-On Standing Seam panels and 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 at pac-clad.com.

**** Panel width varies by factory. Consult PAC rep for details.**

REDI-ROOF PANELS

Redi-Roof standing seam is intended for application over a solid substrate with a minimum 3:12 roof pitch. Typical substrates include plywood, nailboard insulation or equal. Panels are factory roll-formed in continuous lengths. Maximum panel length is 45′ and minimum panel length is 4′.

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

TRIM

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

INSTALLATION

Redi-Roof panels shall be installed over solid decking with an underlayment applied horizontally from eave to ridge. Panels shall be fastened using Petersen nonpenetrating clips, fastening on 18″ centers (max.). Minimum slope at 3:12 pitch. Consult a local architect/engineer for requirements of local codes and conditions.

PRODUCT FEATURES

- Available with or without offsets
- Factory eave notching available
- Labor-saving one-piece design
- Pencil ribs available
- 30-year non-prorated finish warranty
- Panel lengths up to 45′

MATERIAL

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

UL CLASSIFICATION

- UL-580 Class 90 wind uplift (steel only)
- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated

ASTM TESTS

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

Photo above:
Latrobe Elementary School, Latrobe, PA
Contractor: Pennsylvania Roofing Systems
Architect: Axis Architecture
Distributor: Brock Associates

Owner: Greater Latrobe School District
Photo: hortonphotoinc.com
Profiles: Tite-Loc Plus, PAC-750 Soffit
Color: Custom Marquis Orange

UL 90

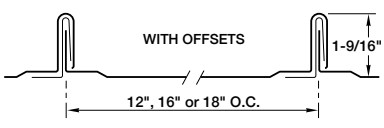
REDI-ROOF STANDING SEAM WITH OFFSETS

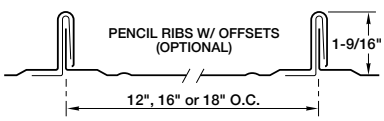
MATERIALS

.032 aluminum
22 gauge steel
24 gauge steel*

SPECS

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





UL 90

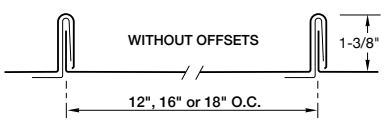
REDI-ROOF STANDING SEAM WITHOUT OFFSETS

MATERIALS

.032 aluminum
22 gauge steel
24 gauge steel*

SPECS

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



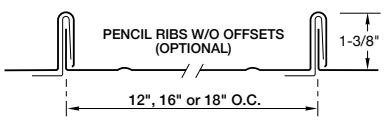
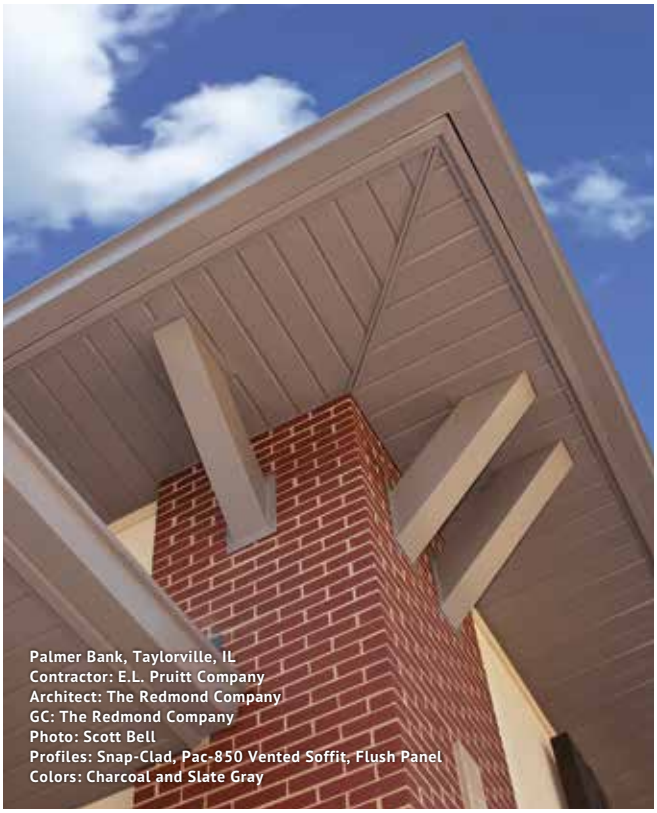


Photo above:
Fields Residence, Downers Grove, IL
Contractor: Complete Flashings
Architect: Kuklinski+Rappe Architects
GC: Roberts Design+Build
Photo: Tom Harris
Profile: Redi-Roof
Color: Weathered Zinc

*24 gauge steel, in all O.C.'s is UL-90 Classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory.

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

SOFFIT PANELS



Palmer Bank, Taylorville, IL
Contractor: E.L. Pruitt Company
Architect: The Redmond Company
GC: The Redmond Company
Photo: Scott Bell
Profiles: Snap-Clad, Pac-850 Vented Soffit, Flush Panel
Colors: Charcoal and Slate Gray

Petersen offers superior design versatility for soffit applications by providing the PAC-750/850 Soffit panels, as well as the Flush panel in a variety of gauges and widths. Both pre-formed profiles are effective solutions in soffit projects, and with the aluminum substrate can be ventilated for increased airflow capacity.

PAC-750 SOFFIT PANELS

Petersen offers a pre-formed soffit panel suitable for both commercial and residential use. These panels are roll-formed from .032 aluminum. Panels are 12" wide with a "vee" groove every 6" center-to-center and furnished in continuous lengths of up to 25'. Minimum panel length is 24".

PAC-850 SOFFIT PANELS

PAC-850 Soffit panels utilize an innovative hook-and-grab interlock. These panels are roll-formed from .032 aluminum. Panels are 12" wide with a "vee" groove every 6" center-to-center and furnished in continuous lengths of up to 25'. Minimum panel length is 24".

SOFFIT VENTING

The PAC-750 and PAC-850 Soffit panels can be lanced to allow for airflow and under-eave ventilation. Both PAC-750 and PAC-850 are available fully vented, half vented or solid. See illustrations on page 35 for examples and limitations.

SOFFIT "J" CHANNEL

Petersen can provide soffit "J" Channel as trim to match any of its soffit panels. "J" Channel is available in lengths up to 12' in matching colors.

FLUSH PANELS

The Flush panel and Reveal panel may be specified for use as soffit panels. They are roll-formed from .032 aluminum, .040 aluminum, and 24 or 22 gauge steel. Maximum panel length is 25' and minimum panel length is 4'.

Pencil ribs can be added to the Flush panel for increased strength and aesthetics. Pencil ribs are recommended for longer panel lengths. One or two ribs are available at no additional cost. See drawings on page 13.

FLUSH AND REVEAL VENTING

The Flush and Reveal panels only in .032 aluminum are available ventilated. Consult the local factory for venting options.

PRODUCT FEATURES

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

MATERIAL

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

ASTM TESTS

- ASTM E330 Tested: Flush panel (12" only) and PAC-850
- 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 soffit panels.

OPEN AIR PERCENTAGES (750/850/FLUSH)

(these percentages are nominal and may vary per profile)

- Half vented (750/850) - 6%
- Full vented (750/850) - 12%
- Wide vent (Flush/Reveal) - 12%
- Narrow vent (Flush/Reveal) - 6%

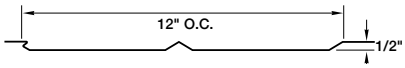
SOLID

HALF VENT

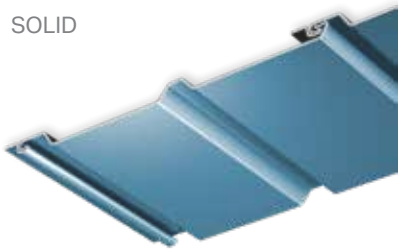
FULL VENT

PAC-750

MATERIALS	SPECS
.032 aluminum	12″ O.C.



SOLID

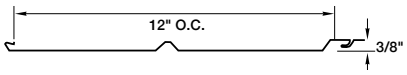


HALF VENT

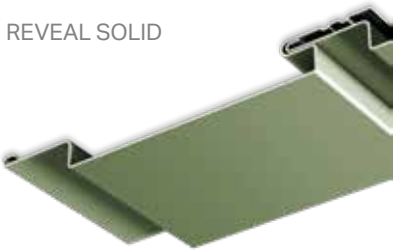
FULL VENT

PAC-850

MATERIALS	SPECS
.032 aluminum	12″ O.C.



REVEAL SOLID



FLUSH SOLID

SOFFIT FLUSH AND REVEAL

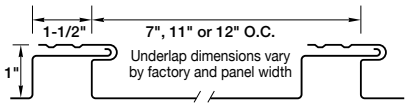
MATERIALS

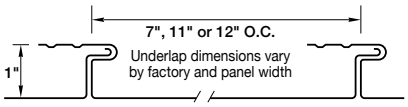
.032 aluminum	24 gauge steel
.040 aluminum*	22 gauge steel*

*Limited color availability

SPECS

7″, 11″, or 12″ O.C.	1″ High

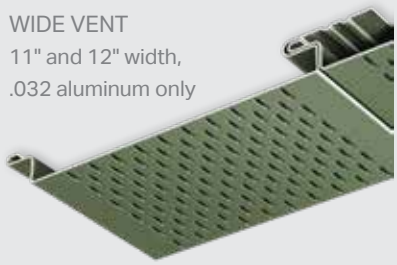




Moe & Gene Johnson High School, Buda, TX
Contractor: Dean Contracting Co.
Architect: Stantec
GC: Bartlett Cocke GCs
Owner: Hays Consolidated Indep. School Dist.
Photo: Alan Blakely
Profiles: Tite-Loc Plus, Highline B-1 perforated, Flush Wall Panels, Flush Soffit, PAC-3000
Color: Silversmith

FLUSH AND REVEAL VENTING OPTIONS

WIDE VENT
11" and 12" width,
.032 aluminum only



NARROW VENT
7", 11" and 12" width,
.032 aluminum only

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*

Charwood

Copper*

Dark Oak

Golden Bamboo*

Medium Oak

Long Grain Cherry*

Red Oak

Sycamore

Cherrywood Oak

Long Grain Oak

Golden Maple

Light Oak

Siamese Bamboo

Sugar Maple

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.**

COLORGARD® SNOW RETENTION SYSTEM

Petersen is stocking the patented ColorGard snow retention system. ColorGard is the only product available which will precisely match the color of any Petersen roof panel. ColorGard achieves this by utilizing a strip of the roof material, which is then mounted directly into ColorGard for a perfect match. This strip can be cut in the field or at Petersen's factory.

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

PAC-CLAD® FLASHING AND TRIM

Petersen maintains complete flashing fabrication capabilities in three of its plant locations to produce trim. Fabrication capabilities include press-breaking, shearing, notching and welding.

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

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

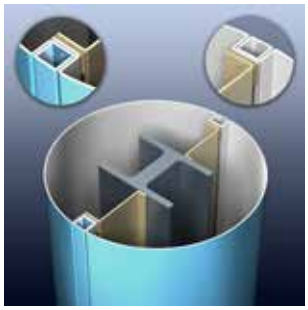
In addition to standard details, Petersen can provide custom fabrication to meet the most exacting requirements. Please contact Petersen for assistance with custom architectural elements.

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

Minimum bending radius is 2T; consult rep for details.

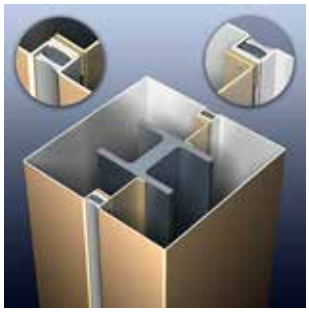
Florence Middle School, Florence, AL
Contractor: M.G. Roofing Inc.
Architect: Lambert Ezell Durham Architecture
Owner: Florence City Board of Education
Photo: hortonphotoinc.com
Profiles: Flush Panels with ribs, Flush Panels lanced, flat sheet
Color: Almond

COLUMN COVERS



1000 SERIES

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



2000 SERIES

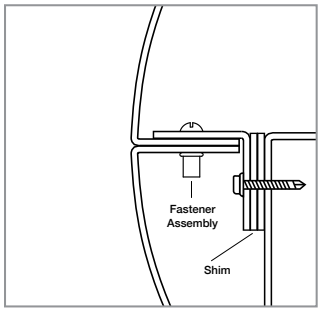
- PAC-2000F (Flush Joint)
- PAC-2000C (Caulk Joint)
- PAC-2000R (Reveal Joint)

PAC-1000 & 2000 SERIES

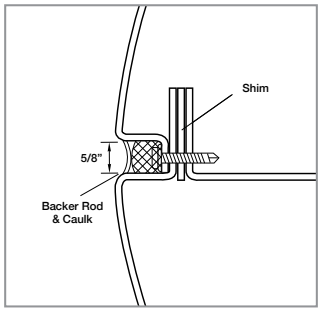
The design of the PAC-1000 and 2000 "F" Series Column Covers allows for a clean, precise installation, revealing a hairline joint. The column sections are assembled using a rivnut/ keyhole system to provide a tight, inconspicuous vertical seam.

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.

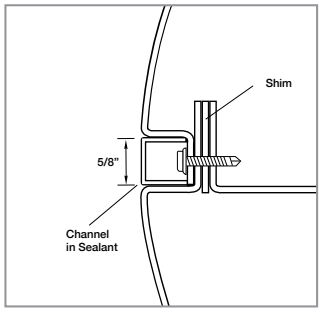
Projects may require column or section designs that are not shown here. Column Covers are available in 16 gauge stainless steel, and .090 and .125 aluminum, but check with rep to confirm. Finishes include custom colors, PAC-CLAD colors shown on pages 4-5, plus anodized options and composite material. Maximum length can vary. 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.

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.

BENDING GUIDELINES

METAL BENDING GUIDELINES

Proper bending techniques must be followed when fabricating PAC-CLAD steel and aluminum. Failure to follow bending guidelines can result in product and/or paint failure. To remain in compliance with Petersen's finish warranty for PAC-CLAD metal, follow the guidelines outlined in this document.

BENDING TOLERANCES

The PAC-CLAD finish is engineered to be durable, but it can be stretched, cracked or exhibit compromised adhesion if bent beyond its tensile strength limits. Additionally, metal can crack, fracture or become weakened if bent improperly. The following tolerances apply when bending PAC-CLAD metal into 180-degree angles.

MATERIAL THICKNESS	BEND TYPE
.032" aluminum	2T
.040" aluminum	2T
.050" aluminum	2T
.063" aluminum	2T
22 gauge steel	2T
24 gauge steel	2T

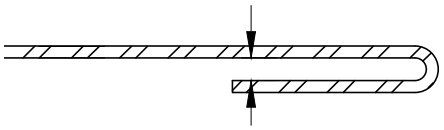
TERMINOLOGY

Metal bends are given descriptions such as 0T, 1T, 2T, etc., where T refers to the thickness of metal. These designations are used to measure the inner radius of the bend applied to sheet metal in a 180-degree bend. Typical bends are defined as follows (see right):

RECOMMENDED

2T BEND (TWO-T BEND)

The inside radius of the bend is equal to 2x the metal thickness.

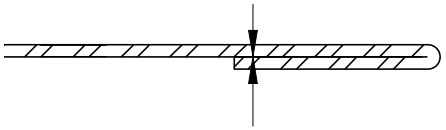


2x the metal thickness

VOIDS WARRANTY

0T BEND (ZERO-T BEND)

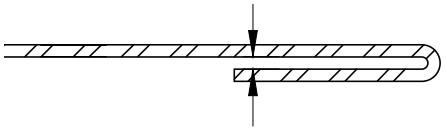
Inside radius of the bend is zero. The legs of the bend are fully compressed together.



0x the metal thickness

1T BEND (ONE-T BEND)

The inside radius of the bend is equal to 1x the metal thickness.



1x the metal thickness

ANODIZED ALUMINUM

PAC 500 BRONZE ANODIZED ALUMINUM

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

PAC 300 CLEAR ANODIZED ALUMINUM

PAC 300 clear anodized aluminum consists of anodized-quality 500-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.

Finish warranty not available on anodized aluminum. Class I and II anodizing available upon request.

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

FASCIA SYSTEMS

As a key protective element, roof edge and perimeter products are necessary to maintain the integrity of all flat roofing systems. Petersen offers a line of fascia and coping products to meet the most stringent engineering requirements as well as provide the ideal finishing touch for superior aesthetics.

FASCIA

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

Each project is custom-fabricated and produced to exacting jobsite requirements to ensure proper fit and superior functionality. Available in 46 standard PAC-CLAD colors, as well as anodized finishes, Petersen fascia products can complement any building's exterior. Additionally, the products are designed with ease of installation as a priority, and 12' lengths reduce material handling for an estimated 20 to 40 percent savings on labor. Competitive pricing and superior lead times allow the project to stay on budget and on schedule.

Petersen's fascia and coping systems typically exceed project specifications. PAC's roof edge systems provide unmatched uplift protection for single-ply and built-up/ modified (BUM) roof systems.

Fascia system features include:

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

PAC SNAP EDGE FASCIA

Fully Adhered/ Mechanically Attached Single-Ply (FA)

Stone Ballast Single-Ply (SB)

Built-Up/ Modified (BUM)

PAC EXTENDED SNAP EDGE FASCIA

Fully Adhered/ Mechanically Attached Single-Ply (FA)

Built-Up/Modified (BUM)

PAC-TITE WT FASCIA

Fully Adhered/ Mechanically Attached Single-Ply (FA)

Built-Up/Modified (BUM)

PAC-TITE WT EXTENDED FASCIA

Fully Adhered/ Mechanically Attached Single-Ply (FA)

Built-Up/Modified (BUM)

PAC-TITE WT CANTED FASCIA

WT Extended Canted Fascia w/ Galvanized Waterdam

WT Canted Fascia w/ Galvanized Waterdam

PAC-LOC FASCIA

PAC-LOC FASCIA 2000

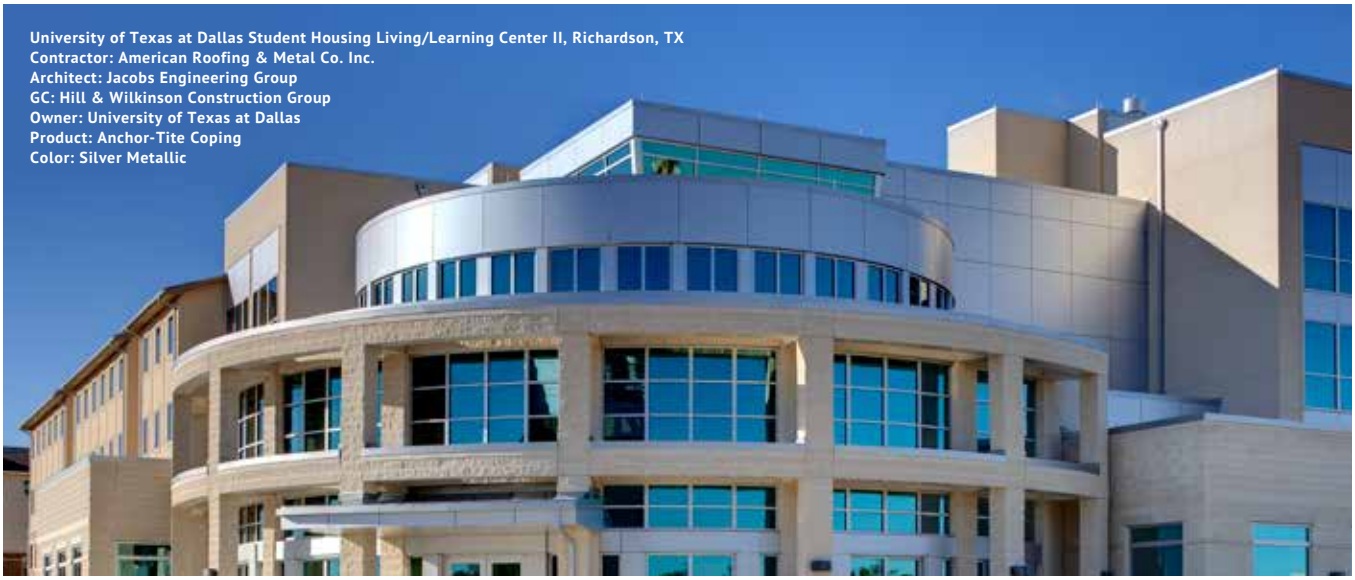
PAC-LOC FASCIA 3000

PAC-TITE ANGULAR FASCIA

Fully Adhered/ Mechanically Attached Single-Ply (FA)

Built-Up/ Modified (BUM)

COPING SYSTEMS



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

COPING

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

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

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

Coping system features include:

- Elimination of field-crimping for certain products
- Wide variety of colors and finishes
- Compliant with most relevant building codes
- Superior, efficient design for ease of installation
- Custom fabricated to specific job requirements to ensure superior fit
- Extensively tested for reliable, long-term performance
- Miami-Dade-approved coping system: PAC-Tite
- Lifetime 215 mph warranty for PAC-Tite Gold and 20-year, 120-mph warranty for PAC-Tite and Continuous Cleat coping systems
- Convenient 12′ lengths
- Reusable and recyclable material
- Custom and radius capabilities available

PAC-TITE COPING

Tapered

Flat

Existing Slope with Nailer

PAC-TITE GOLD COPING

PAC-CONTINUOUS CLEAT COPING

GENERAL CONSIDERATIONS

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

FINISHES

PAC-CLAD panels are available standard with a 70% PVDF finish. Please refer to the color information on pages 4 and 5 for guidance of color selection. Samples and photo-accurate color charts are available for your assistance.

CUSTOM COLORS

Custom colors are available for most applications of greater than 10,000 sq. ft. and may be applied to either aluminum or Galvalume steel. Contact Petersen for information concerning costs and availability.

INSTALLATION

Special care must be taken to ensure that panels are installed over a flat substrate. For roofing applications, panels typically are installed over ⅝" or ¾" plywood decking with ice and water shield horizontally overlayed from the eave to the ridge. It is recommended that clips be installed on 18" centers for all applications except Snap-Clad, PAC-150, PAC T-250, 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 properly fabricated from PAC-CLAD flat sheet are fully covered under Petersen's 30-year finish warranty.

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

PANEL CONDITIONS/VARIATIONS

Pencil ribs and striations must be requested by the customer.

PANEL DIMENSIONS

All dimensions appearing in this catalog are nominal. Consult Petersen rep for more information.

Moe & Gene Johnson High School, Buda, TX
Contractor: Dean Contracting Co.
Architect: Stantec
GC: Bartlett Cocke GCs
Owner: Hays Consolidated Indep. School Dist.
Photo: Alan Blakely
Profiles: Tite-Loc Plus, Highline B-1 perforated, Flush Wall Panels, Flush Soffit, PAC-3000
Color: Silversmith

LENGTHS

All panels are cut to custom lengths before roll-forming and are available in lengths up to 64'. See specific product pages for maximum panel lengths. Minimum length is 4'. Consult factory for longer lengths. Lengths are accurate to ¼". Custom cut-to-length service is available at no cost and helps to improve project economy.

PANEL WIDTHS

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

PITCH

Tite-Loc and PAC T-250 panels are designed for a roof pitch of ½:12 or greater. PAC-150 minimum pitch is 1:12. Snap-Clad panels have been designed to be installed on applications as low as 2:12 pitch. Redi-Roof panels and Snap-On panels have been designed for a minimum 3:12 pitch. Greater pitch may be required in snow country and in areas of extreme climate conditions.

FIRE RATINGS

PAC-CLAD panels have been evaluated by Underwriters Laboratories for inclusion in a variety of fire-rated "P-Assemblies" and are classified in section CETW of the UL Fire Resistance Directory - Vol. 1. Several panel assemblies have been evaluated as Class A fire-rated. Contact Petersen for complete information on components and assemblies.

OIL CANNING

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

WARRANTY

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

Petersen also offers a coastal finish warranty for projects located in the vicinity of the coast or within 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, Tite-Loc Plus, PAC-150 and PAC T-250 factory-formed standing-seam panels, weathertightness warranties for terms up to 20 years are available. Projects must be approved for warranty by Petersen prior to ordering.

STORAGE

Clean, dry facilities for storage and protection of material should be provided at the job site. Store materials out of traffic areas to prevent dents, bending, abrasion, etc.

LIMITATIONS ON LIABILITY

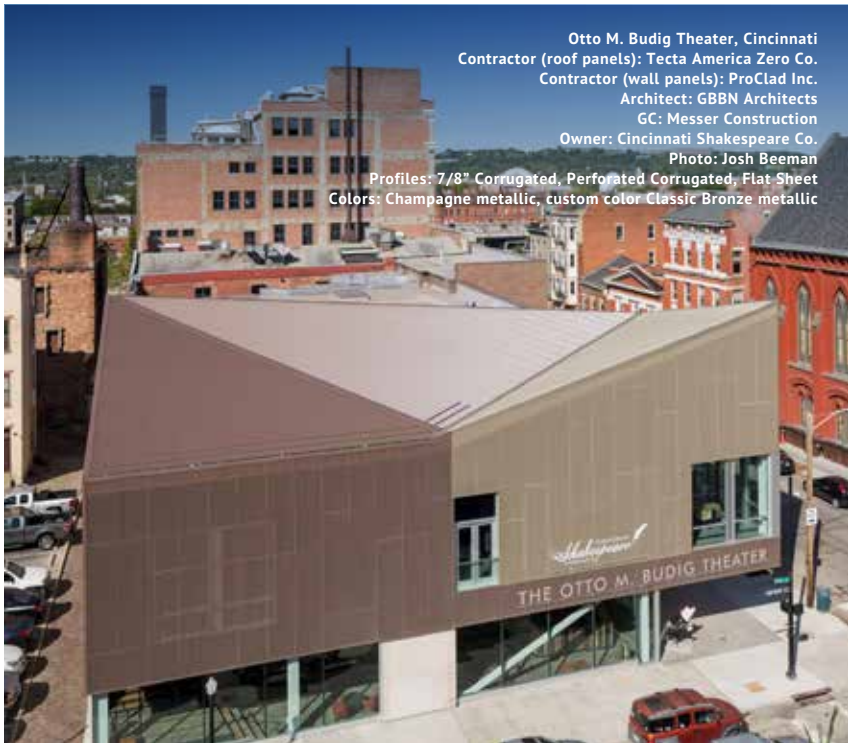
Neither Petersen nor its customer shall be liable for special, indirect or consequential damages. The liability of Petersen in the event of the sale of its products shall be limited to replacement of any defective or nonconforming products or refund of the purchase price.

BENDING LIMITS

Bending limitations apply to PAC-CLAD metal. Bending beyond the approved 2T limit will void warranty. Refer to page 39, consult a Petersen rep for more information or visit pac-clad.com.

Katie Seashole Pressly Stadium, Gainesville, FL
Contractor: Thorne Metal Systems
Architect: Walker Architects
GC: Scorpio
Owner: University of Florida
Photo: hortonphotoinc.com
Profile: Tite-Loc Plus
Color: Terra Cotta

Ridley Township Marina, Ridley, PA
Contractor: E.P. Donnelly Inc.
Architect: Catania Engineering Associates
GC: J.S. McManus Inc.
Photo: © hortonphotoinc.com
Profiles: Snap-Clad, PAC-750 vented
Color: Copper Penny



Otto M. Budig Theater, Cincinnati
Contractor (roof panels): Tecta America Zero Co.
Contractor (wall panels): ProClad Inc.
Architect: GBBN Architects
GC: Messer Construction
Owner: Cincinnati Shakespeare Co.
Photo: Josh Beeman
Profiles: 7/8" Corrugated, Perforated Corrugated, Flat Sheet
Colors: Champagne metallic, custom color Classic Bronze metallic

- PRECISION SERIES WALL PANELS
- FLUSH AND REVEAL PANELS
- EXPOSED FASTENER PANELS
- PERFORATED METAL
- SNAP-CLAD PANELS
- TITE-LOC PANELS
- SNAP-ON PANELS
- REDI-ROOF PANELS
- PAC-150 PANELS
- PAC T-250 PANELS
- SOFFIT PANELS
- FASCIA SYSTEMS
- COPING SYSTEMS
- COIL AND FLAT SHEET

PAC-CLAD®
PETERSEN
A CARLISLE COMPANY

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

9060 Junction Drive, Suite 1
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

1885 Station Parkway NW, Suite B
Andover, MN 55304
P: 877-571-2025
F: 866-901-2935

 PAC-CLAD® is a registered trademark of Petersen Aluminum Corporation. The PAC-CLAD finish is 70% polyvinylidene fluoride (PVDF). 3/21