



ARCHITECTURAL METAL ROOFING & SIDING

PRODUCT GUIDE



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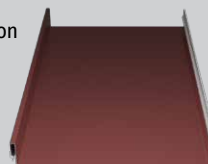


Bare, ZINCALUME®, & Metallic Silver

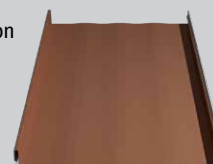


Design Span® hp is a performance-rated structural standing seam metal roof system which does not require field seaming. Recommended as a roof over metal or wood decking, and as fascia or mansard over plywood or supports.

Flat Pan Option



Striated Option



FEATURES AND BENEFITS:

- 12", 16", 17" & 18" net coverage metal roof panel.
- Minimum recommended slope 2:12.
- 22ga and 24ga in standard finishes.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 5'-3" to 45'-0".
- Wide batten cap available for a bold appearance.
- Panel is acceptable for use in metal wall applications.
- Factory applied sealant is a standard offer.
- Striations standard on 16", 17" & 18" panels.
- Factory notching available for turn under at the eave.
- Snap-together panel; no field seaming required.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA and West Sacramento, CA.





Colonial Red
Photo Credit: ©Doug Walker Photography



Zinc Gray



ZINCALUME® Plus
© The Kubala Washatko Architects Inc. Mark F. Heffron Photography

Performance-rated architectural standing seam metal roof systems with a mechanically seamed 2" high rib, providing aesthetic appeal and weathertightness and can be used in a wide variety of new construction or retrofit applications.



FEATURES AND BENEFITS:

- 12" & 16" coverage metal roof panel.
- Minimum recommended slope $\frac{1}{4}$:12.
- 22ga and 24ga in standard finishes and .040 aluminum.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 45'-0". (Aluminum 40'-0").
- Panel is acceptable for use in vertical metal wall applications.
- Striations standard on 16" panel. Flat pan offered by request.
- Factory applied sealant is standard.
- 16" panel available with 2 pencil ribs.
- Factory notching available for 16" panel.
- For end laps, factory swaged panels are available (16" only).
- On-Site roll forming available.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.



Metallic Silver

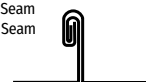
Span-Lok hp
90° Seam



Curved Span-Lok
90° Seam



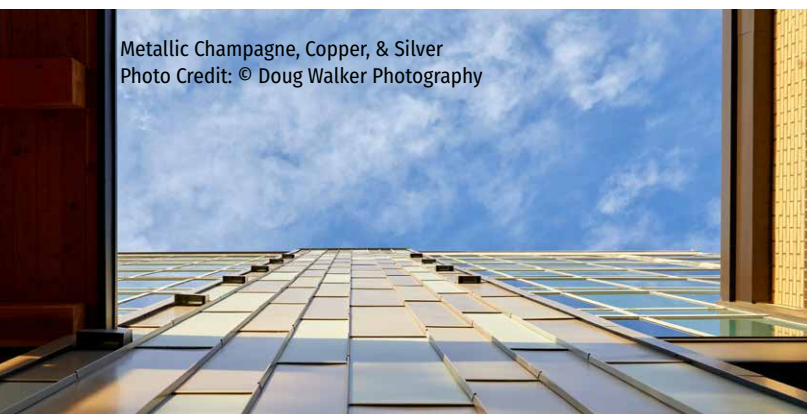
SpanSeam
180° Seam



Sedona Rust, Metallic Silver, & Vintage®
Photo Credit: Vance Fox Photography



Metallic Champagne, Copper, & Silver
Photo Credit: © Doug Walker Photography



Midnight Bronze

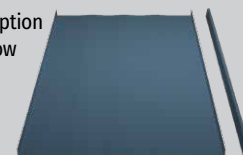


A performance-rated, non-structural, batten seam metal roof system. Its clean wide pan appearance makes it ideal for classic architectural effects. Curved Select Seam is a performance-rated, non-structural, batten seam metal roof that can be curved for radius applications.

Flat Pan Option
with Wide
Batten



Striated Option
with Narrow
Batten



FEATURES AND BENEFITS:

- Narrow Batten coverage 12", 16" and 21¼" metal roof panel.
- Wide Batten coverage 13¼", 17¼" and 22½" metal roof panel.
- Minimum recommended slope 3:12.
- 22ga and 24ga in standard finishes.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 5'-0" to 45'-0".
- Panel is acceptable for use in metal wall applications.
- Staggering 8' lengths vertically provides a modern shingle cladding appearance.
- Subtle striations between ribs are standard.
- Narrow Batten panels can be field curved to a 4' radius.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.

Zinc Gray





Vintage®
Photo Credit: Alan Brandt Photography



Metallic Silver



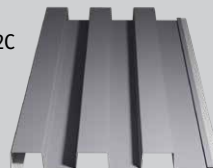
Metallic Champagne & Burnt Rust

Flex Series is a collection of architectural metal siding panels offering design flexibility and versatility. The innovative panel design makes it easy to mix and match any of the four panels together to achieve a distinctive design.

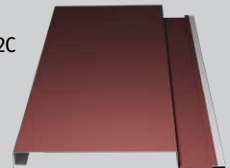
FEATURES AND BENEFITS:

- 12" coverage wall panel.
- Wall Installation: Horizontal or vertical.
- 22ga in standard finishes.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 5'-0" to 40'-0".
- Available in two panel attachment configurations:
 - A directly attached fastening flange.
 - A clip interlocking hem.
- Two high-performance clip attachments available:
 - Flush Mount clip.
 - 1/2 stand-off clip.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.

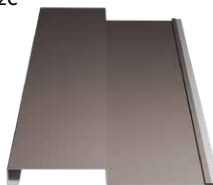
1.2FX10-12C



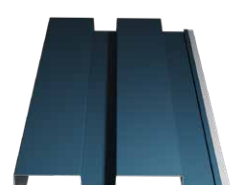
1.2FX20-12C



1.2FX30-12C



1.2FX40-12C



Flush Mount Clip



Stand-Off Clip



Direct Fastened

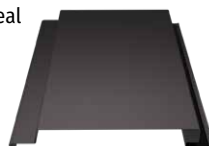


Prestige Series® is a crisp, distinctive solution for exterior and interior walls, fascias and equipment screen applications. Prestige Series can also be used as a soffit or ceiling panel. The panel's concealed fastener system provides a clean, distinctive look in any application.

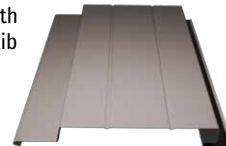
FEATURES AND BENEFITS:

- 12" coverage wall panel.
- Offered in 4 different reveals: 0", 1", 2", and 6".
- Wall Installation: Offered in 22ga minimum.
Soffit or Fascia Installation: Offered in 24ga minimum, except 6" reveal which is offered in 22ga only.
- 22ga and 24ga in standard finishes.
- .040 aluminum available for 12" No Reveal panel only.
- See page 26 for full range of color options and paint systems.
- Custom manufactured metal siding lengths: 6'-0" to 25'-0" for 24ga and 6'-0" to 30'-0" for 22ga.
- Factory applied sealant is a standard offer.
- Available with 1 or 2 pencil ribs.
- No Reveal panel available with wave pattern.
- Perforation options available for No Reveal panel only.
- High performance clip available to meet wind loads.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.

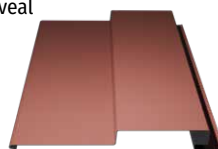
1" Reveal



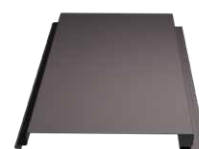
2" Reveal with
2 Pencil Rib
Option



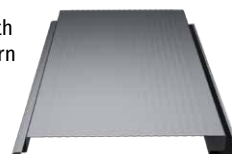
6" Reveal



No Reveal



No Reveal with
Wave Pattern
Option



Zinc Gray
Photo Credit: © Fine Line CAD Home Design, Boswell Photography,
Bryan Wilkinson Design/Build



Custom Blue

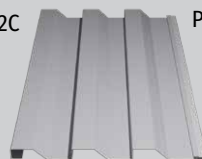


Dark Bronze & Metallic Silver

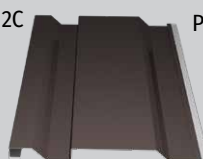


Perception Collection® is a set of five concealed fastened metal siding panels, each with unique geometric angles and rib patterns that can be combined to create distinct designs. Ideal for fascia and equipment screen applications.

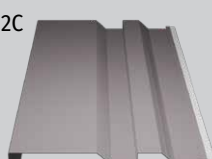
PC10-12C



PC20-12C



PC30-12C

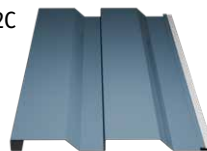


FEATURES AND BENEFITS:

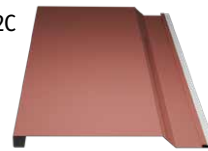
- 12" coverage wall panel.
- Wall Installation: Horizontal or vertical.
- 22ga in standard finishes.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 5'-0" to 40'-0".
- Available in two panel attachment configurations:
 - A directly attached fastening flange.
 - A clip interlocking hem.
- Two high-performance clip attachments available:
 - Flush Mount clip.
 - 1/2 stand-off clip.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.

DESIGN PATENTS: D735355, D734502, D736962, D750278, D734501

PC40-12C



PC50-12C



Flush Mount Clip



Stand-Off Clip



Direct Fastened

Terra-Cotta, Parchment, & Zinc Gray
Photo Credit: © Studio ASAP



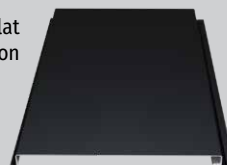
Metallic Silver



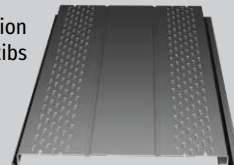
Matte Black

Flush Panel is a low profile, concealed fastener panel ideal for wall, soffit, fascia, and mechanical screen applications. Available in both flat and vented panels, Flush Panel provides a distinct design for any project.

Standard Flat
Pan Option

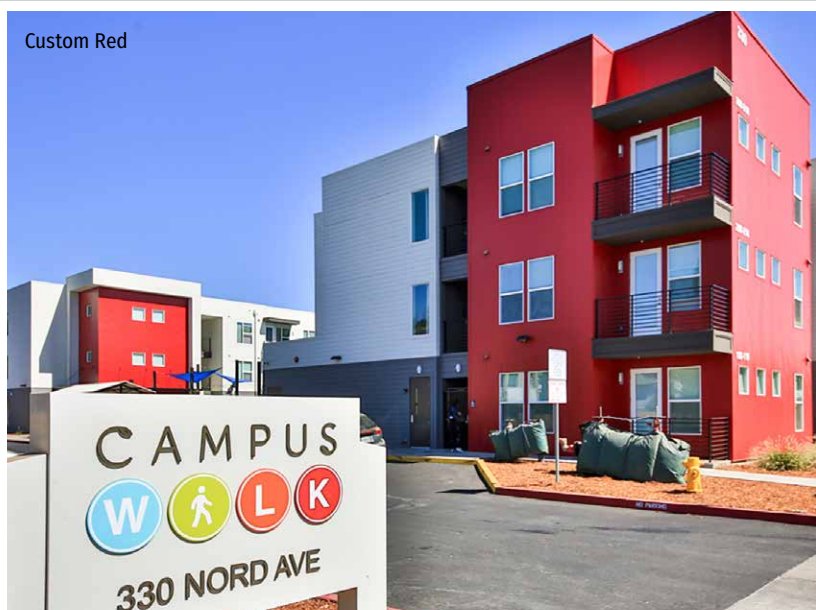


Vented Option
with 2 Pencil Ribs



FEATURES AND BENEFITS:

- 12" coverage wall panel.
- Wall Installation: Offered in 22ga minimum, vertical only.
- Soffit or Fascia Installation: Offered in 24ga minimum.
- 22ga and 24ga in standard finishes.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths:
5'-0" to 30'-0" (22ga) and 5'-0" to 25'-0" (24ga).
- Available with 1 or 2 pencil ribs.
- Venting available. 1 or 2 pencil ribs required for vented panel.
- See page 25 for testing and certifications.
- Manufactured in Tacoma, WA.

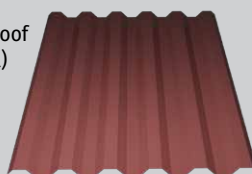


Custom Red

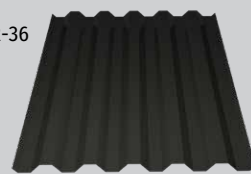


HR-36® metal roofing and siding is a through-fastened panel with 36" net coverage. Predominantly used in industrial and commercial applications. As a wall application, HR-36 can be used both vertically or horizontally.

HR-36 (Roof and Wall)

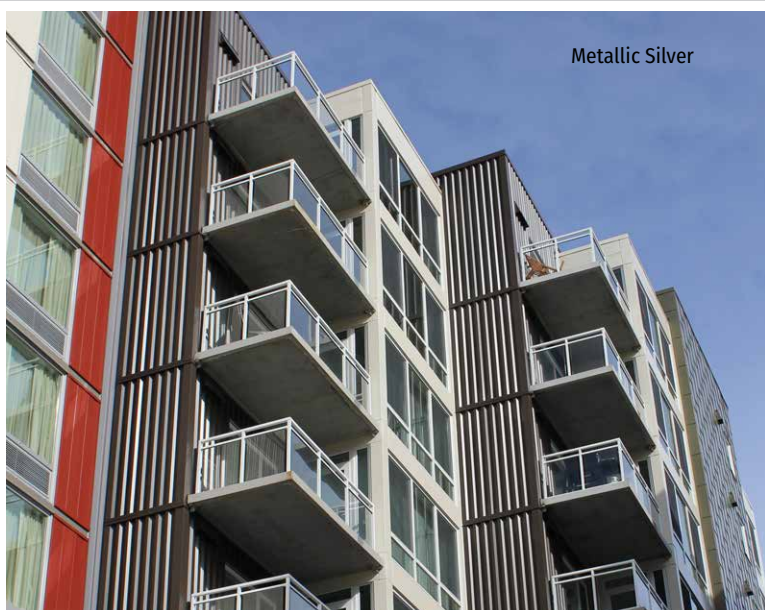


Reverse HR-36 (Wall)



FEATURES AND BENEFITS:

- 36" coverage roof and wall panel.
- Minimum recommended slope 1:12.
- 26ga in Dura Tech® nt, 24ga and 22ga in Dura Tech® 5000/mx. 20ga available in ZINCALUME® Plus.
- Available in .032 and .040 aluminum.
- See page 26 for full range of color options and paint systems
- Custom manufactured panel lengths: 6'-0" to 50'-0".
- Perforation options available for an additional charge.
- See page 25 for testing and certifications.
- Manufactured in West Sacramento, CA.

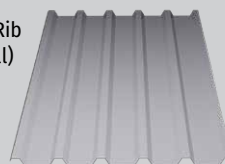


Vintage®
Photo Credit: © Shutter Release Photography

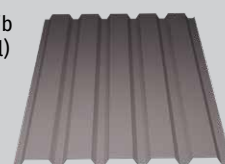


Box Rib™ is a through-fastened metal wall panel with 36" net coverage and is predominantly used for commercial, architectural and industrial metal wall applications. Reversed Box Rib is suitable for roof and wall applications.

Box Rib
(Wall)



Reverse Box Rib
(Roof and Wall)



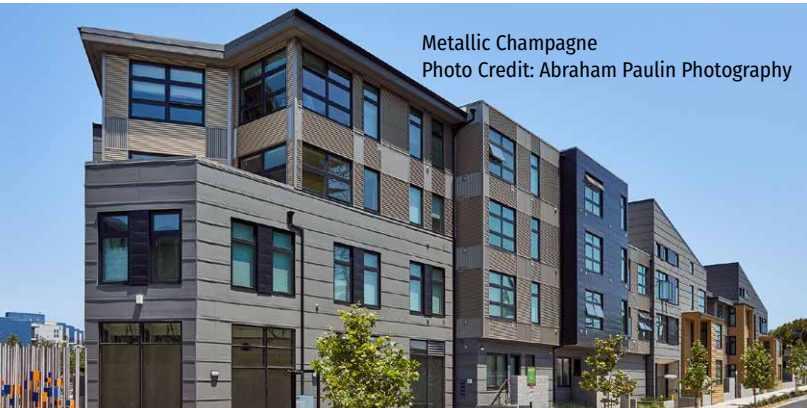
FEATURES AND BENEFITS:

- 36" coverage wall panel.
- Wall Installation: Horizontal or vertical.
- Reversed Box Rib is suitable for roof and wall applications. (Minimum recommended slope 1:12).
- 26ga in Dura Tech® nt, 24ga and 22ga in Dura Tech® 5000/mx. 20ga available in ZINCALUME® Plus.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 50'-0".
- Perforation options available for an additional charge.
- See page 25 for testing and certifications.
- Manufactured in West Sacramento, CA.





Burnt Rust & Zinc Gray
Photo Credit: © Shutter Release Photography



Metallic Champagne
Photo Credit: Abraham Paulin Photography



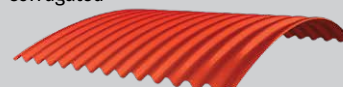
Colonial Red & Custom Green

Nu-Wave® Corrugated is a classic through-fastened metal panel with 7/8" deep corrugations. The panel measures 36" out-to-out, with a 32" net coverage for roof applications and a 34 2/3" net coverage for wall applications.

Nu-Wave
Corrugated

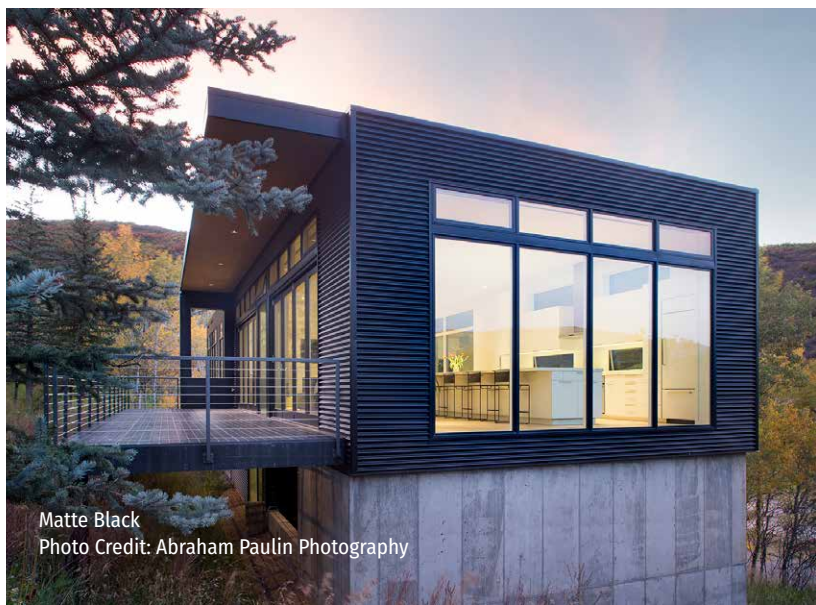


Curved Nu-Wave
Corrugated



FEATURES AND BENEFITS:

- 32" coverage roof panel. 34 2/3" coverage wall panel.
- Minimum recommended slope 3:12.
- 26ga in Dura Tech® nt, 24ga and 22ga in Dura Tech® 5000/mx. 20ga available in ZINCALUME® Plus.
- Available in .032 and .040 aluminum.
- Matching polycarbonate panels available.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 50'-0" (Straight) & 6'-0" to 30'-0" (Curved).
- Perforation options available.
- Available smooth curved to a minimum of 3' radius.
- Available in 22ga IronOx (black steel). Uncoated and unpainted; rusts naturally. No warranty is offered or implied.
- See page 25 for testing and certifications.
- Manufactured in West Sacramento, CA.



Matte Black
Photo Credit: Abraham Paulin Photography



Matte Black



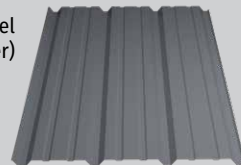
Old Town Gray



Desert Berge

PBR Panel is an economical, through-fastened metal roof or wall panel suitable for pre-engineered metal, post-frame, and agricultural buildings. Our Galvanized G90 PBR Panel is also ideal for use in buildings for livestock and animal confinement.

PBR Panel

Reversed PBR Panel
(Special Order)

FEATURES AND BENEFITS:

- 36" coverage roof and wall panel.
- Minimum recommended slope 1:12.
- 26ga in Dura Tech® nt, 24ga and 22ga in Dura Tech® 5000/mx.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 50'-0".
- Matching polycarbonate panels available.
- Purlin-bearing leg simplifies installation and improves side-lap alignment for a consistent, weather-resistant joint.
- See page 25 for testing and certifications.
- Manufactured in West Sacramento, CA.



Old Town Gray

ZINCALUME® Plus (shown in Reversed U-Panel)



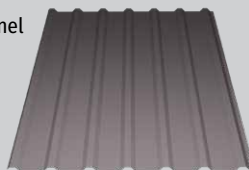
Dark Bronze



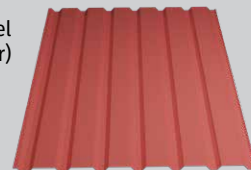
Zinc Gray (shown in Reversed U-Panel)

U-Panel is a “Utility” panel known for its economical through-fastened design preferred for light-commercial and industrial roof or wall applications. U-Panel is especially suitable as an interior partition or liner panel.

U-Panel



Reversed U-Panel
(Special Order)



FEATURES AND BENEFITS:

- 36" coverage roof and wall panel.
- Minimum recommended slope 3:12.
- 26ga in Dura Tech® nt, 24ga and 22ga in Dura Tech® 5000/mx.
- See page 26 for full range of color options and paint systems.
- Custom manufactured panel lengths: 6'-0" to 50'-0".
- Perforation options available.
- Purlin-bearing leg simplifies installation and improves side-lap alignment for a consistent, weather-resistant joint.
- See page 25 for testing and certifications.
- Manufactured in West Sacramento, CA.



ZINCALUME® Plus (shown in Reversed U-Panel)



AEP SPAN IS YOUR SINGLE SOURCE FLAT SHEET VENDOR

AEP Span offers a flat sheet service in a wide range of colors and paint systems, as well as ZINCALUME® Plus (50% Al-Zn).

Painted Flat Sheet Available In: 48 $\frac{3}{8}$ " x 10' and 46" x 10'

- 22ga & 24ga Dura Tech® 5000/mx (PVDF) and ZINCALUME® Plus
- 26ga Dura Tech® nt (SMP)
- 24ga Vintage®
- 24ga Pre-Primer (2 sides) in 48 $\frac{3}{8}$ " x 10'. Only available from Tacoma, WA.
- 20ga ZINCALUME® Plus in 46" x 10' only
- Select colors available in 18ga & 20ga. Inquire for availability and lead times.

Aluminum Flat Sheet Available In: 48" x 10'

- .032" & .040" aluminum
- .040" Stocked dual-sided. Matte Black and Regal White.

Dura Tech® 5000 Colors Available in 24 and 22 Gauge

ZINCALUME® Plus	Cool Regal White	Cool Parchment	Cool Sierra Tan	Cool Walnut
Cool Weathered Copper	Cool Dark Bronze	Cool Terra-Cotta	Cool Colonial Red	Cool Old Town Gray
Cool Zinc Gray	Cool Slate Gray	Cool Midnight Bronze	Cool Matte Black	Cool Tahoe Blue
Cool Regal Blue	Cool Leaf Green	Cool Forest Green		

Dura Tech® mx Colors Available in 24 and 22 Gauge

Cool Metallic Silver	Cool Metallic Copper	Cool ZACTique® II	Cool Metallic Champagne	Pre-Primer
				Primed 2 Sides (24GA)

Dura Tech® nt Colors Available in 26 Gauge

ZINCALUME® Plus	Surf White	Desert Beige	Chestnut Brown	Vintage® (24GA)
Rustic Red	Old Town Gray	Tahoe Blue	Denali Green	Shale - Natural Matte®
Weathered Copper	Winter White	Light Stone		Carbon - Natural Matte®
				Natural Rust

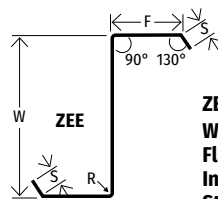
Not all colors stocked in all locations, please contact your AEP Span Representative for details. Premium and metallic colors are subject to upcharge. For additional coating information and performance data, please refer to the AEP Span Color Charts.



AEP Span is your source for steel components in the solar mounting, residential framing and pre-engineered metal building markets. We offer a broad range of light gauge steel components to meet your project needs.

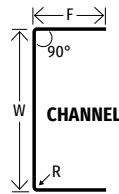
FEATURES AND BENEFITS:

- Broad range of manufacturing capabilities that encompass several variations in part sizes and punching locations.
- Optimum versatility in custom requested punch patterns and punch placements on web and flange areas.
- Large selection of standard punch shapes and sizes.



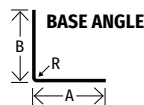
ZEE SECTION CAPABILITIES

Web Height (W): 4" min - 20" max
Flange Size (F): 2 1/2" min - 4 1/2" max
Inside Bend Radius (R): 0.188" typ.
Stiffener Lip Length (S): 5/8" - 3/4"
Steel Thickness: 0.059" (16ga) min to 0.128" (12ga) max



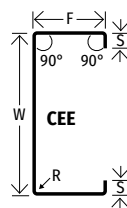
CHANNEL CAPABILITIES

Web Height (W): 4 3/16" min - 10 3/16" max
Inside Bend Radius (R): 0.188" typ.
Flange Size (F): 2" min - 3" max
Steel Thickness: 0.059" (16ga) min to 0.128" (12ga) max



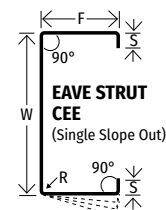
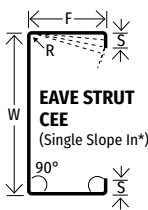
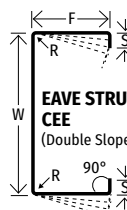
BASE ANGLE CAPABILITIES

Angle Size (BxA): 2" x 2" | 2 1/2" x 2 1/2" | 3" x 2" | 4" x 2"
Inside Bend Radius (R): 0.188" typ.
Steel Thickness: 0.059" (16ga) min to 0.128" (12ga) max



CEE SECTION CAPABILITIES

Web Height (W): 4" min - 20" max
Flange Size (F): 2 1/2" min - 4 1/2" max
Inside Bend Radius (R): 0.188" typ.
Stiffener Lip Length (S): 5/8" - 3/4"
Steel Thickness: 0.059" (16ga) min to 0.128" (12ga) max



EAVE STRUT CEE CAPABILITIES

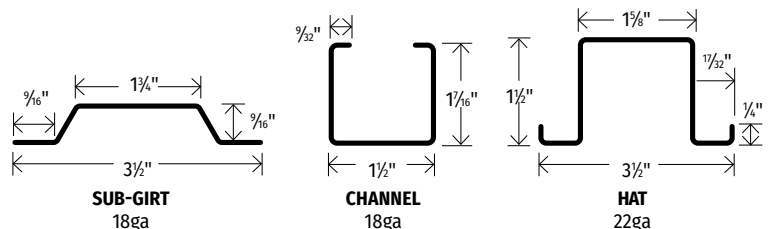
Slope: 1:12 - 4:12
Web Height (W): 8" min - 24" max
Flange Size (F): 2 1/2" min to 5" max
Inside Bend Radius (R): 0.188"
Stiffener Lip Length (S): 5/8" - 3/4"
Steel Thickness: 0.059" (16ga) min to 0.128" (12ga) max

EZ-Form® Structural Sections

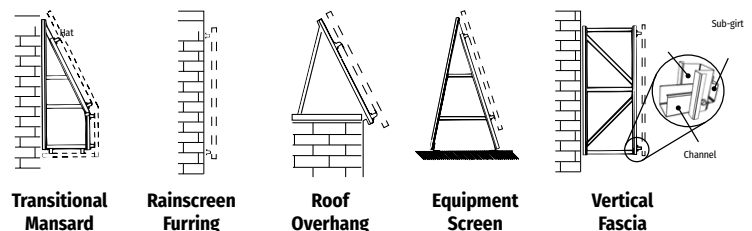
EZ-Form structural sections are light gauge framing solution for maximum design flexibility and ease of installation.

FEATURES AND BENEFITS:

- Nestable hats and channels can be joined without a separate clip angle, increasing speed and reducing cost of on-site fabrication.
- Cost effective alternative to structural steel or wood framing.
- Precision roll formed in twenty foot lengths.
- Hot-dipped galvanized conforming to ASTM A-653, G-60 minimum.



COMMON APPLICATIONS





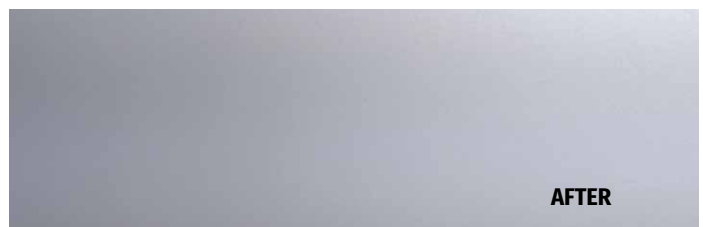
AEP Span is committed to environmental stewardship and leading the way to healthier built living spaces for all. Having completed a cradle-to-gate life cycle assessment, AEP Span's green journey continues with a commitment to supply chain optimization, manufacturing excellence through improved process efficiencies, as well as recycling programs across all plants and administrative facilities. Having completed a comprehensive assessment of how its products can contribute to sustainable building certification programs, AEP Span is ready to help you design and build with confidence. **Visit aepspan.com/sustainability to learn more.**

Graffiti-Resistant Coating System

Architectural metal siding not only shields a building from nature's elements, it can protect your project from graffiti. AEP Span's factory applied Graffiti-Resistant Coating System is formulated to work with World's Best Sensitive Surface Graffiti Remover (SSGR). The graffiti-resistant coating system works as a barrier of protection over prepainted architectural metal panels, preventing most graffiti material from gripping or shadowing the metal surface. If your project is tagged, just use SSGR on the metal surface and the graffiti wipes off..

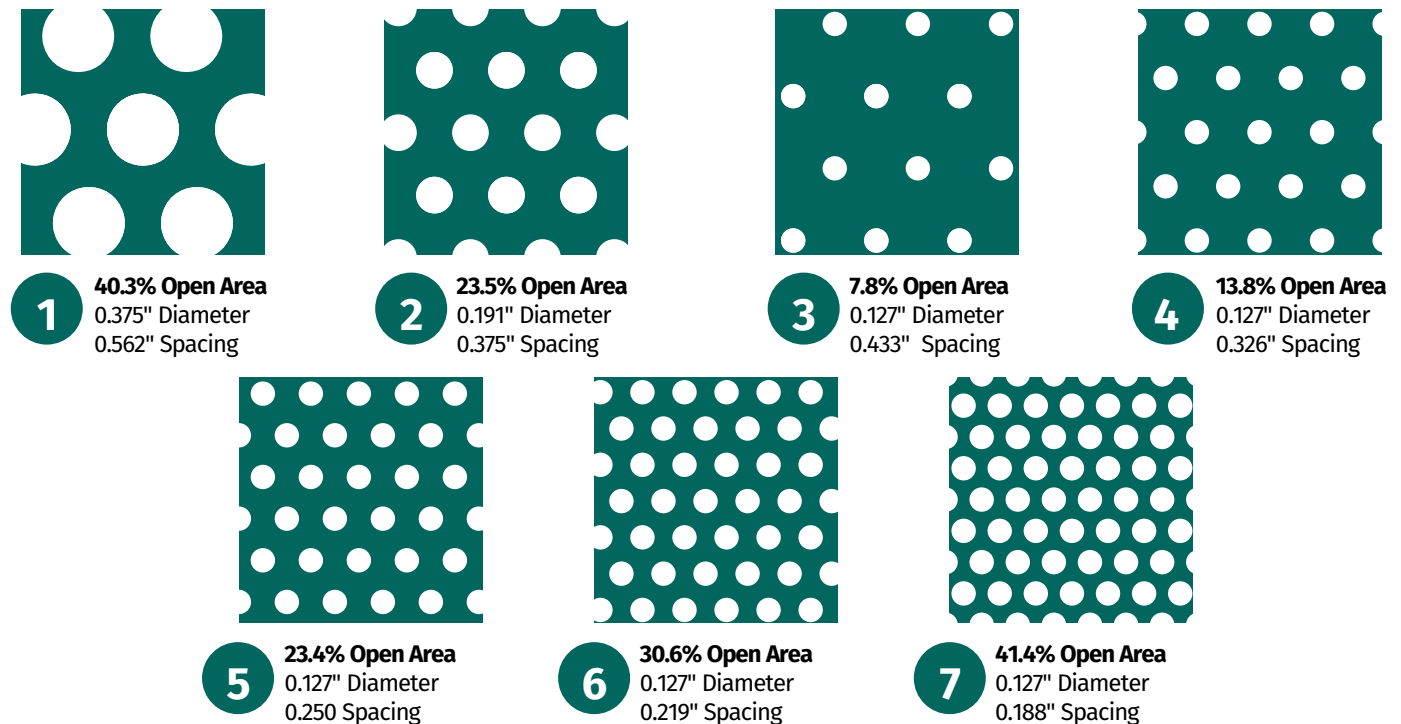
FEATURES AND BENEFITS:

- Lower building maintenance costs.
- Extends the beauty and value of your property.
- Available in a standard low-medium gloss or premium custom high-gloss in a variety of colors.
- Offered on all AEP Span profiles, inquire for lead times.
- 30 year Limited Warranty.
- Sensitive Surface Graffiti Remover (SSGR sold separately through World's Best Graffiti Removal System).



Perforation patterns change the way light, air, liquid, and sound are diffused. In architectural designs, perforated metal walls add character and depth to a building and are perfect for screen walls, partitions, enclosures, and other structures.

SEE CHART BELOW FOR PERFORATION PATTERNS AVAILABLE BY PANEL

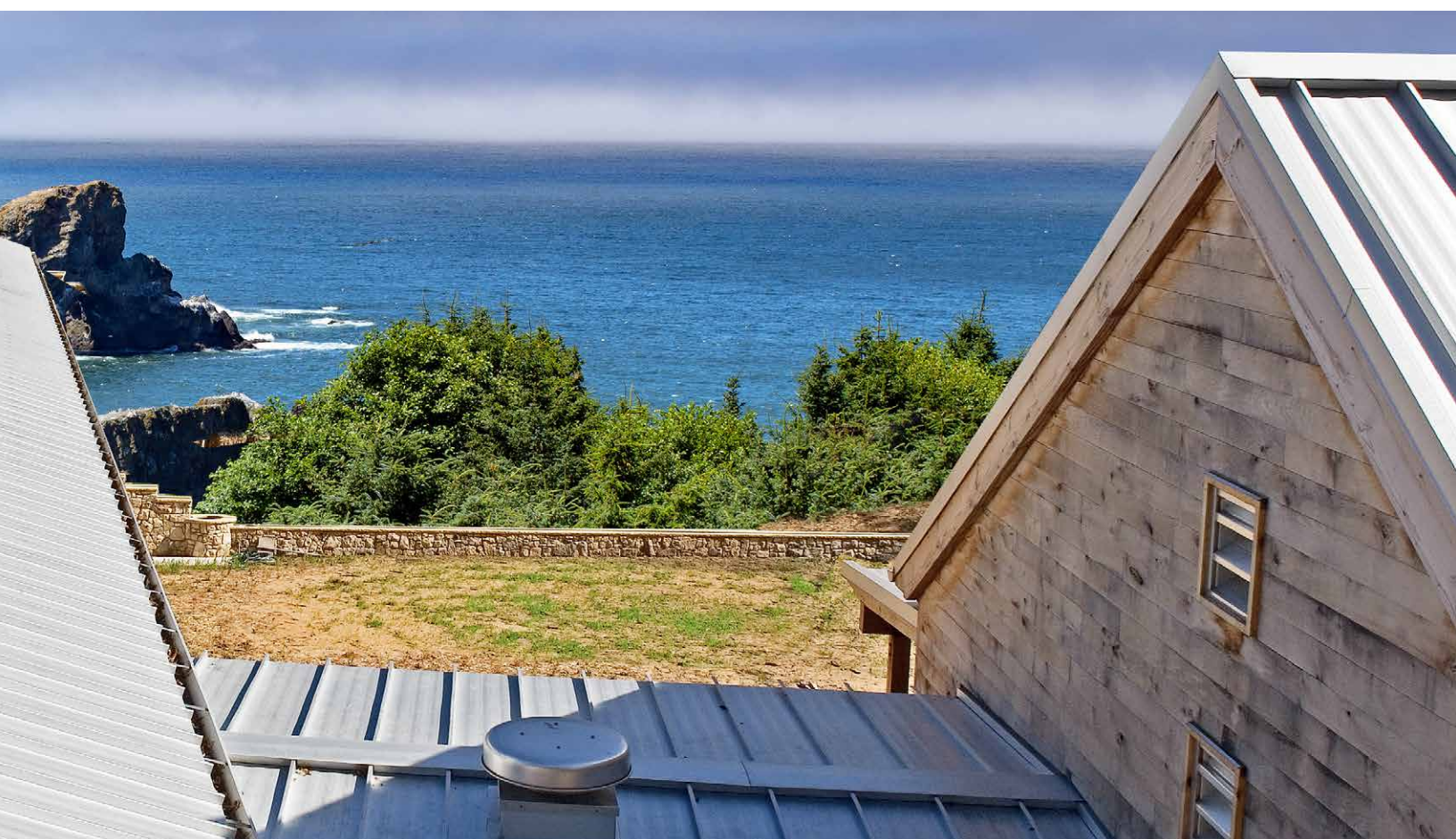


PERFORATION PATTERN		HR-36® Reversed HR-36®						Box Rib™ Reversed Box Rib™						Nu-Wave® Corrugated					U-Panel			PBR Panel			Prestige Series® (No Reveal)			Flat Sheet				
1	40.3% Open Area 0.375" dia. x 0.562"																															
2	23.5% Open Area 0.191" dia. x 0.375"																															
3	7.8% Open Area 0.127" dia. x 0.433"																															
4	13.8% Open Area 0.127" dia. x 0.326"																															
5	23.4% Open Area 0.127" dia. x 0.25"																															
6	30.6% Open Area 0.127" dia. x 0.219"																															
7	41.4% Open Area 0.127" dia. x 0.188"																															
GAUGE		26	24	22	20	18	.040	26	24	22	20	18	26	24	22	20	.040	26	24	22	26	24	22	24	22	.040	26	24	22	20	.040	

Perforations available in: ● Steel ● Aluminum

Notes:

- Minimum setup charge and order quantity is required for perforated panel orders. Please consult your AEP Span Sales Representative.
- Special limitations may apply on any perforated product. Please consult your AEP Span Sales Representative for confirmation on availability.
- All perforated panels have a minimum edge margin to avoid edge breakout. Prestige Series has large edge margins for non exposed areas and along fastening flanges.
- Perforated Prestige Series panels only available in full 12" profile. Perforated Prestige Series 12" panels with a reveal may be available upon special request.
- Full 12" (No Reveal) Prestige Series panels available in 7.8% open area pattern for faster delivery.
- Warranty for perforated steel and aluminum covers chalk and fade; corrosion or loss of paint adhesion as a result of perforating is not covered by limited warranty.



IDEAL FOR COASTAL & CORROSIVE ENVIRONMENTS

Aluminum delivers exceptional corrosion resistance for projects in coastal or other corrosive environments. AEP Span offers aluminum in select roofing and siding profiles that combine long-term durability with refined architectural performance for demanding environments.

Features and Benefits:

- Third-party tested to meet and exceed industry testing standards.
- Pre-painted aluminum in .032" and .040" thicknesses.
- 40-year Finish Warranty offered in a wide range of PVDF colors. (Excludes Vintage® and ZINCALUME® Plus)
- Custom colors available by special order. Consult an AEP Span Sales Representative for lead times and minimum order requirements.
- 20 and 15-year Marine Environment Warranties available.
- Weathertight Warranty available for roof applications only.
- Minimum order requirements and extended lead times apply.

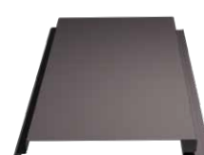
NOTE: ASC Profiles disclaims any and all representations and warranties when aluminum flat sheet is used in automated manufacturing processes and further disclaims any and all liability for such use.

OIL CANNING: All flat metal surfaces can display waviness commonly referred to as "oil canning". Oil canning is an inherent characteristic of metal products, not a defect, and therefore is not a cause for panel rejection.

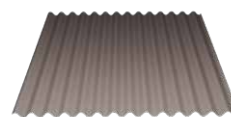
Available in Dura Tech® 5000/mx (PVDF) Colors in the Following Profiles:



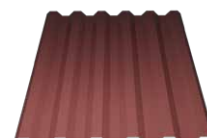
16" Span-Lok™ hp
.040"



Prestige Series® - No Reveal
.040"



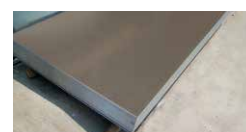
Nu-Wave® Corrugated
.032" and .040"



HR-36®
.032" and .040"



Reverse HR-36®
.032" and .040"



Flat Sheet
.032" and .040"

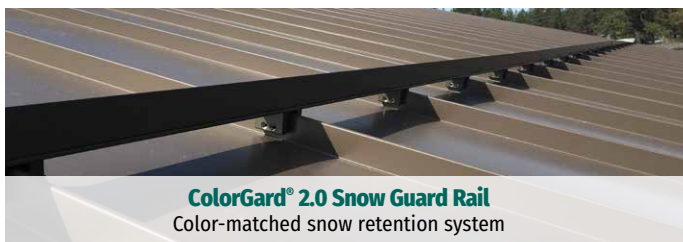


METAL ROOFING SNOW RETENTION SYSTEMS

Snow retention systems help keep snow in place, and allow it to evacuate in a controlled manner. AEP Span offers an integrated snow guard solution. By partnering with S-5!, customers can directly order the S-5! ColorGard® 2.0, X-Gard™ 1.0, or X-Gard™ 2.0 snow retention systems when purchasing AEP Span panels and accessories.

ColorGard® 2.0 is a true lay and play system that does not require any pre-assembly before getting on the roof. This bar-type snow guard system matches the roofing color, offering building owners improved design integration. When installed on standing seam roofs, this system affixes to the metal roofing seams with clamps. These clamps avoid the need to drill or screw through the roofing panel, bypassing potential weathertightness issues. Exposed fastener products will require drilling through the panel to attach the clamp.

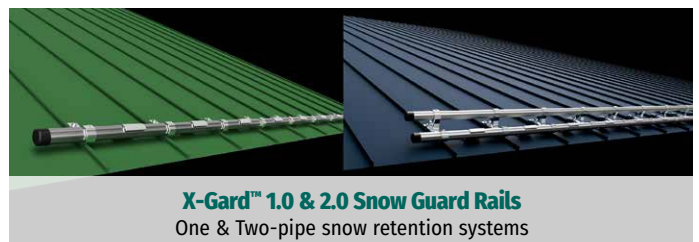
AEP Span manufactures a façade strip for the ColorGard system using the same painted metal as the roofing product, ensuring optimum color integration and consistent color aging.



ColorGard® 2.0 Snow Guard Rail
Color-matched snow retention system

X-Gard™ 1.0 and X-Gard™ 2.0 are heavy-duty, one or two-pipe snow retention systems. Fence-type systems offer higher performance due to superior beam strength, making them ideal for regions with extreme snow. Their tubular, metallic appearance may be more suitable for select design aesthetics. These systems attach to the standing seam panels using the same non-penetrating clamp design as the ColorGard system.

For more information on the ColorGard® 2.0, X-Gard™ 1.0, or X-Gard™ 2.0 snow retention systems visit S-5.com.



X-Gard™ 1.0 & 2.0 Snow Guard Rails
One & Two-pipe snow retention systems

Compatible with the following AEP Span products:

Design Span® *hp*, SpanSeam™, Span-Lok™ *hp*, PBR Panel, Nu-Wave® Corrugated, and HR-36®.

Compatible with the following AEP Span products:

Design Span® *hp*, SpanSeam™, and Span-Lok™ *hp*.

By purchasing these S-5! snow guard products, you agree that you, or your customer, have obtained appropriate engineering and installation advice, and accept all liability, for any potential impacts to AEP Span (drag load calculations, paint and finish warranty impacts, etc.), and have taken appropriate steps to install these products safely and in accordance with industry best practices and building code specifications. AEP Span will not accept returns of S-5! Snow Guard parts for any reason.

ColorGard®, X-Gard™, VersaBracket™, CorruBracket™, and S-5! are registered trademarks of S-5!



POLYCARBONATE SKYLIGHT & SIDELIGHT PANELS

SUNSKY Polycarbonate Panels offer multiple advantages over corrugated panels. Designed specifically to withstand punishing climates and harsh exterior conditions, Sunsky panels are ideal for agricultural, patio cover, and industrial workshop applications.

Features and Benefits:

- Polycarbonate panels are nearly unbreakable, offering up to 20 times greater impact resistance compared to fiberglass panels.
- Panels retain optical clarity far better than any other glazing material for increased light transmission, while offering 100% UV protection. UV protection is only on the standard (non-reversed) side of the panel.
- Panel profiles can handle extreme climates (-40°F to 270°F).
- Panel provides highest resistance to wind uplift (UL 580 Class 90) and hail protection.
- All panels come with 10-Year warranty.

Panel	Length	Clear	White	Location
HR-36®	12'		✓	West Sacramento
Nu-Wave® Corrugated	12'		✓	West Sacramento
PBR Panel	8', 10', 12'	✓		West Sacramento
PBR Panel	8', 10'		✓	West Sacramento (subject to longer lead times & order minimums)

SUNSKY Polycarbonate panels match up to AEP Span's most popular metal panel profiles.

Illustration not representative of actual profile



SUNSKY is a registered trademark of PALRAM Industries LTD.



PROTECT YOUR PROJECT - GUARD YOUR INVESTMENT

AEP Span Underlayment **HT** is a high-tensile strength, SBS¹ modified rubberized asphalt underlayment specifically designed to withstand temperatures up to 250°F (121°C). Ideal for use under steel and aluminum metal roofing where a premium underlayment is desired.* This strong, skid-resistant membrane provides superior protection from water penetration caused by wind-driven rain and ice dams.

Features and Benefits:

- 1/4:12 minimum slope recommendation.
- Protects the roof structure from water seepage caused by ice dams and wind-driven rain.
- Withstands temperatures up to 250°F without degradation of the adhesive.
- Seals around roofing nails, staples, and screws.
- Split-release film provides easier, faster installation.
- Resists cracking, drying, and rotting; providing long-term waterproofing performance and low lifecycle cost.
- Concealed waterproofing system will not detract from the architectural aesthetics of the primary roofing system.
- Exposed rubberized asphalt bead along the membrane edge ensures watertightness of lap seams.
- 180-day UV exposure resistance from time of installation.
- Non-abrasive surface will not scratch or mar backside of panels through thermal movement.

Codes and Standards

- UL Classified.
- ICC-ES ESR #2206.
- 2018 International Building Code™
- 2019 California Building Code™
- Meets ASTM D1970.
- ASTM E108/UL 790 Class A Fire Resistance. **
- 2019 California Building Energy Efficiency Standards, Title 24.
- ICC/ASHRAE 700-2015 National Green Building Standard.



* Can also be used with copper and zinc roofing products.

** Acceptable for use in Class A rated assemblies. Does not promote metal roofing to Class A on its own. Refer to UL listings.

¹ SBS (styrene-butadiene-styrene)



ACCREDITED AIA CONTINUING EDUCATION COURSES

AEP Span offers accredited AIA-approved continuing education courses to educate you on current metal roofing & siding industry topics through an engaging, interactive format. Lunch & Learn formats are available as in-person, online webinar, or on-demand.

Webinar and In-Person Lunch & Learns:

- **Architectural Metal Roofing Systems:** Design, Detailing, and Performance
- **Single Skin Metal Siding:** Performance and Design Considerations

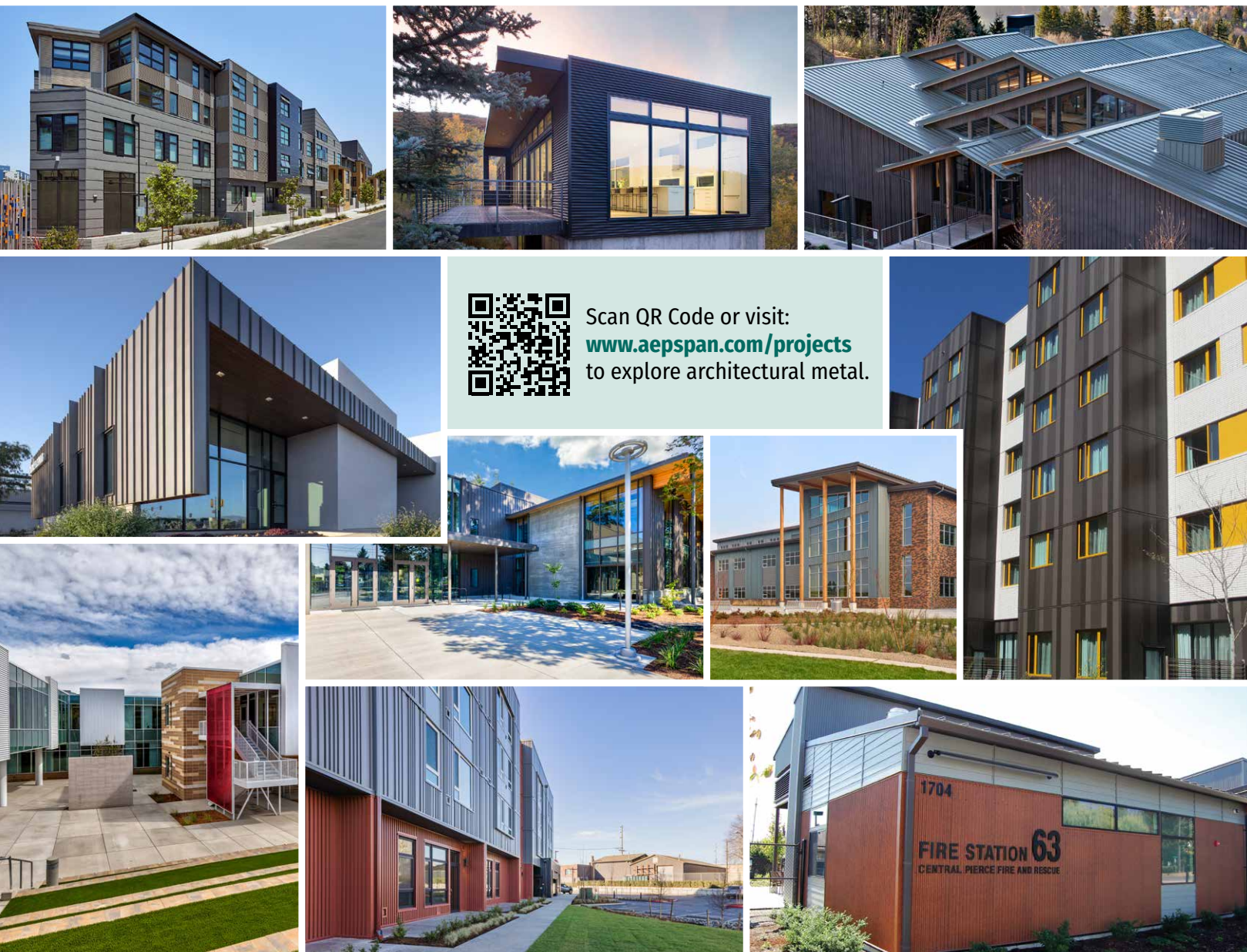


On Demand Virtual Courses:

- **Metal Roofing Installations:** Key Considerations
- **Single-Skin Metal Panels + LEED:** Standards and Certification

Scan to visit our Learning Center, and register today.





Scan QR Code or visit:
www.aepspan.com/projects
 to explore architectural metal.

Specialty Finishes

Premium Special Order Metal Roofing & Siding Colors

The Specialty Finishes collection showcases a curated range of special order (non-stocked) metal finishes, offering expanded design possibilities for distinctive architectural applications. This resource includes detailed specifications and performance data to support confident finish selection and specification.

Learn more at aepspan.com/specialty-finishes-catalog





ADD SUBTLE TEXTURE AND DEPTH WITH STUCCO EMBOSSING

AEP Span offers embossing as a special order enhancement, bringing added texture, visual depth, and functional benefits to select metal roof and wall systems. This optional feature transforms flat metal surfaces with a non-directional stucco embossed pattern.

Embossing is subject to minimum order requirements and longer lead times. Inquire with your AEP Span Representative for more information.



Features and Benefits:

- **Enhanced Visual Depth:** Adds subtle texture that interacts with light for a more dynamic appearance.
- **Minimizes Oil Canning Appearance:** Helps minimize the visual effects of waviness in flat metal panels
- **Expanded Design Flexibility:** Ideal for projects seeking added dimension without altering panel profiles.
- **Improved Durability:** Textured surfaces help mask minor handling marks and jobsite wear.
- **Consistent Finish Quality:** Produced under controlled conditions for uniform appearance.
- **Supports Architectural Finishes:** Ideal for projects requiring elevated design detail and texture
- **Available in a Wide Range of Panels:** Offered as a special order for a variety of metal roofing and siding panels.



Product Index & Application Matrix



 FM APPROVED		 UES		APPLICATION				PAINT		FEATURES ¹										PERFORMANCE									
				Roof	Wall	Soffit	Liner Panel	Dura Tech [®] 5000 / mx (PVDF)	Dura Tech [®] nt (SMP)	Coverage (in)	Standard Gauges	Height (in)	Minimum Slope X:12	Spanning Capability	Weather ² tightness	Weather ² tightness Warranty	Machine Curved ³	Attachment	Uplift (ASTM E1592)	Air/Water Infiltration (ASTM)	UL790 Fire - Roof	UL263 Fire - Wall	UL580 Uplift	UL 2218 Impact (Hail)	FM Listed	Code Compliance Report ⁴	Manufacturing Location		
PG	CONCEALED FASTENER PANELS																												
2	Design Span <i>hp</i>	●				●		12, 16, 17, 18	22, 24	1½	2	G	VG	■		CL	●	●	●	●	●	●			●			Tacoma, Washington	
	Design Span <i>hp</i> Wide Batten	●				●		12, 16, 17, 18	22, 24	1½	2	G	VG	■		CL	●	●	●	●	●	●			●				
3	Span-Lok <i>hp</i>	●				●		12, 16	22, 24	2	¼	VG	E	■		CL	●	●	●	●	●	●	●		●	●			
	Curved Span-Lok	●				●		16	22	2	¼	VG	E	■	●	CL	●	●	●	●	●	●							
4	SpanSeam	●				●		16	22, 24	2	¼	VG	E	■		CL	●	●	●	●	●	●	●			●			
	Select Seam Narrow Batten	●				●		12, 16, 21¼	22, 24	1	3	NA	G	■	●	CL	●	●	●	●	●	●			●				
	Select Seam Wide Batten	●				●		13¼, 17¼, 22½	22, 24	1½	3	NA	NA			CL	●	●	●	●	●	●							
5	Flex Series		●			●		12	20, 22	1¼	NA	G	G			CL, D	●	●	NA	●	NA	NA			●				
6	Prestige Series		●	●		●		12	20-24	1½	NA	G	G			CL, D	●	●	NA	●	NA	NA			●				
7	Perception Collection		●			●		12	20, 22	¾	NA	G	G			CL, D	●	●	NA	●	NA	NA			●				
8	Flush Panel		●	●	●	●		12	22, 24	¾	NA	G	G			D	●	●	NA	●	NA	NA			●				
PG	EXPOSED FASTENER PANELS																												
9	HR-36	●	●			●	●	36	20-26	1½	1	VG	VG			D	C	●	●	●		●			●		West Sacramento, California		
	Reversed HR-36		●			●	●	36	20-26	1½	NA	VG	VG			D	C	●	NA	●	NA	NA			●				
10	Box Rib		●			●	●	36	20-26	1½	NA	VG	VG			D	C	●	NA	●	NA	NA			●				
	Reversed Box Rib	●	●			●	●	36	20-26	1½	1	VG	VG			D	C	●		●					●				
11	Nu-Wave Corrugated	●	●			●	●	32 (Roof) 34½ (Wall)	20-26	¾	3	G	G		●	D	C	●	●	●		●			●				
12	PBR Panel	●	●			●	●	36	22-26	1¼	1	G	G			D	C		●	●		●			●				
13	U-Panel	●	●		●	●	●	36	22-26	¾	3	G	G			D	C		●	●		●			●				

TABLE NOTES:

- Primary Application
- Weather²tightness warranty available when used with AEP Span Underlayment *HT*. Minimum slope required. (Roof application only)

G Good

VG Very Good

E Excellent

CL Clip Attached

D Direct Fastened

C Performance calculated per code provisions

(1) Not all product capabilities/ limitations are listed. Chart to be used for general product selection guidance only.

(2) Relative weather²tightness rating based on seam height and panel lap design.

(3) In general, most panels may be sprung curved to large radii (inquire for limitations).

(4) All panels are prescriptive within IBC. Compliance reports provided as convenience.

REPRESENTATION OF COLORS MAY VARY DUE TO PRINTING LIMITATIONS

Request physical color chip samples at www.aepspan.com/sample-request

SPECIALTY PRINTS, ALUMINUM, CUSTOM COLORS, AND HEAVIER GAUGES AVAILABLE AS SPECIAL ORDER

Inquire with your sales representative for lead times and minimum order requirements.

TABLE NOTES:

- 24ga & 22ga
- 24ga Only
- 22ga Only
- △ 26ga - 20ga
- 26ga Only

		SRI: Solar Reflective Index	LRV: Light Reflectance Value	Design Span [®] hp	Span-Lok [™] hp & SpanSeam [™]	Select Seam [®]	Flex Series	Prestige Series [®]	Perception Collection [®]	Flush Panel	HR-36 [®]	Box Rib [™]	Nu-Wave [®] Corrugated	PBR Panel	U-Panel	Flat Sheet 46"	Flat Sheet 48 3/8"
Standard PVDF Colors — Dura Tech[®] 5000																	
Cool Regal White*		88	75	●	●	●	□	●	□	●	●	●	●	●	●	●	●
Cool Parchment		58	40	●	●	●	□	●	□	●	●	●	●	●	●	●	●
Cool Sierra Tan		55	34	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Walnut		38	18	●	●	●	□	●	□	●	○	○	○			○	●
Cool Weathered Copper		34	11	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Dark Bronze		32	8	●	●	●	□	●	□	●	●	●	●	●	●	●	●
Cool Terra-Cotta		41	15	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Colonial Red		35	9	●	●	●	□	●	□	●	○	○	○	○	○	○	●
Cool Old Town Gray		43	27	●	●	●	□	●	□	●	●	●	●	●	●	●	●
Cool Zinc Gray		39	20	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Slate Gray		33	12	●	●	●	□	●	□	●	●	●	●	●	●	●	●
Cool Midnight Bronze		27	7	●	●	●	□	●	□	●	●	●	●			●	●
Cool Matte Black*		29	5	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Tahoe Blue		33	14	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Regal Blue		29	10	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Leaf Green		30	11	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool Forest Green		29	9	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Metallic PVDF Colors — Dura Tech[®] mx																	
Cool Metallic Silver ¹		65	50	●	●	●	□	●	□	●	●	●	●	○	○	●	●
Cool ZACTique [®] II ¹		39	22	●	●	●	□	●	□	●	●	●	●			●	●
Cool Metallic Champagne ¹		54	33	●	●	●	□	●	□	●	●	●	●			●	●
Cool Metallic Copper ¹		53	29	●	●	●	□	●	□	●	○	○	○			○	●
Standard SMP Colors — Dura Tech[®] nt																	
Chestnut Brown		36	12								■	■	■	■	■	■	
Desert Beige		58	39								■	■	■	■	■	■	
Surf White		74	59								■	■	■	■	■	■	
Rustic Red		43	13								■	■	■	■	■	■	
Denali Green		29	11								■	■	■	■	■	■	
Tahoe Blue		33	14								■	■	■	■	■	■	
Old Town Gray		43	27								■	■	■	■	■	■	
Weathered Copper		32	11								■	■	■	■	■	■	
Winter White		88	74								■	■	■	■	■	■	
Light Stone		70	53								■	■	■	■	■	■	
Premium Colors																	
Vintage ^{®1}		22	20	○	○	○		○		○	○	○	○			○	○
Carbon - Natural Matte [®]		NA	4	●	●	●	□	●	□	●							●
Shale - Natural Matte [®]		41	23	●	●	●	□	●	□	●							●
Natural Rust ¹		30	12								■	■	■			■	
Unpainted Products																	
ZINCALUME [®] Plus ¹		64	67	●	●	●	●	●	●	●	△	△	△	●	●	△	●
Pre-Primer		NA	NA														○
IronOx ²													□				

PAINT SYSTEM	SMP	PVDF
OVERALL	Better	Best
PRICE POINT	Moderate	Higher
WARRANTY	Long	Longest
DURABILITY	Good Weatherability	Superior Weatherability
APPLICATION	Residential & Light-Commercial	High-end, Architectural, & Commercial
OTHER ATTRIBUTES	Wide Range of Color & Gloss Options	Excellent Chalk & Fade Resistance

Dura Tech[®] 5000: A premium 70% Polyvinylidene Fluoride (PVDF) paint system.

Dura Tech[®] mx: A premium 70% Polyvinylidene Fluoride (PVDF) Pearlescent paint system.

Vintage[®]: 24ga finish with a FEVE paint system on a TruZinc[®] G90 substrate with graffiti-resistant qualities.

Natural Matte[®]: 24 & 22ga ultra low-gloss finish with a PVDF paint system on a ZINCALUME[®] substrate.

ZINCALUME[®] Plus: 26-20ga bare, unpainted with clear acrylic coating.

Pre-Primer: 24ga pre-primed both sides for field painting.

*** Available in .040" Aluminum:** Stocked dual-sided with Matte Black on one side and Regal White on the other.

¹ Batch Sensitivity: Finishes are batch sensitive (may have color variation) and are directional in nature. Different batches are not to be mixed on projects. AEP Span recommends requesting a sample before ordering to ensure color accuracy. AEP Span is not responsible for color variations.

² IronOx: IronOx is black steel (uncoated and unpainted), that rusts naturally. No warranty is offered or implied.

Oil Canning: All flat metal surfaces can display waviness commonly referred to as oil canning. Oil canning is an inherent characteristic of metal products, not a defect, and therefore is not a cause for panel rejection.

SRI values in accordance with ASTM E1980 and are based on independent testing. Cool Roof Rating Council (CRRC) performance values for CA Title 24 are based on color families and will differ from values in table.





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