

SERIES 300



IMETCO

4648 S. Old Peachtree Rd. | Norcross, GA 30071
800.646.3826 (p) | 770.908.2264 (f)
www.imetco.com





STANDING

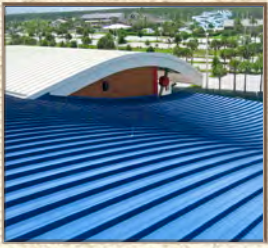
THE TEST OF TIME

Timeless elegance, proven performance, strength and versatility make Series 300 the metal roofing system of choice.

For more than 20 years, the Series 300® standing seam metal roofing system has been protecting buildings across North America. After two decades, even the earliest Series 300 roofs are as resilient and beautiful as ever.

The remarkable Series 300 structural panel adds dynamic visual impact while providing **decades of protection** from even the most severe weather conditions, with a total life-cycle cost that is significantly less than that of other roofing systems.

With its zeal and reputation for excellence, the IMETCO team is dedicated to offering a **level of service and support that exceeds expectations**. Since your satisfaction is our only measure of success, we strive for accuracy, quality and unprecedented service on every order.



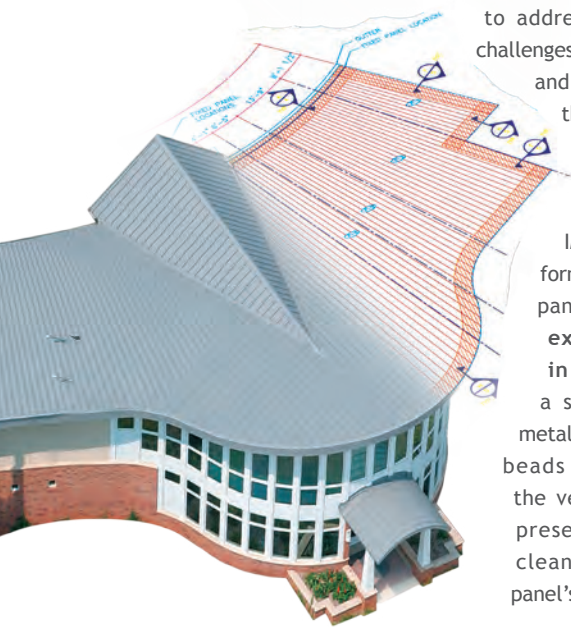
Specialty Manufacturing and Field Services

Tapering

With Series 300, your tapered metal roof design will achieve the **stunning visual impact** desired. Our dedicated manufacturing, engineering, and project management teams work closely with designers and contractors

to address installation challenges, reduce waste, and provide panels that are custom-tapered for a perfect fit.

IMETCO factory-forms each tapered panel, which may **exceed 80-feet in length**, from a single piece of metal, with stiffening beads adjacent to the vertical legs, to preserve the flat, clean look of the panel's center.



Curving

When it comes to curving, no one does it better than IMETCO. The first to curve a symmetrical seam structural panel, IMETCO can achieve the tightest curves in the industry (having curved to radii as tight as 5') and minimize oil-canning.

We continue to raise the standards for performance and design flexibility of metal roofing through ongoing product development. Recently, IMETCO celebrated two groundbreaking achievements in Series 300 panel curving: **A concave curve; and a continuous, smooth concave-to-convex "S" curve.**



These extraordinary **S-shaped panels** are truly a sight to behold as your eye travels along the reverse-curve radius and continues seamlessly along the tangent to the standard convex curve.

Whether manufactured in our factory and shipped to you, or field curved on the job site, IMETCO's curving capabilities are unsurpassed.

Long Panels

When your project calls for long panels, rely on the experts. IMETCO's logistics specialists can coordinate transportation of panels up to 85 feet in length, allowing you the convenience and cost benefits of factory-formed panels for a wider range of projects.



Field Forming and Curving

IMETCO's field formed panels offer the same warranted, tested, and proven performance as those manufactured in our plant.

Our full-service factory-quality forming equipment features **16 roller stations**. It is shipped with a de-coiler to your job site on a 45-foot trailer, and operated on-site by our fabrication experts.



Contact your IMETCO representative for more information.



Re-roofing with Series 300



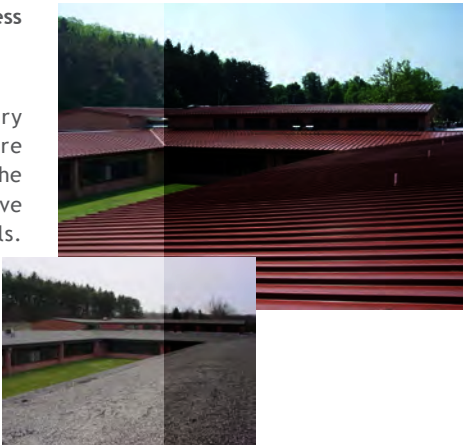
Series 300 is ideal for almost any retrofit or roof replacement application, regardless of existing roof condition or type.



As an economical alternative to replacing an entire roof, Series 300 can be installed directly over the existing roof. This eliminates the cost and environmental impact of tearing off and disposing of the old roofing materials, while providing:

- Long-term weather-tight performance
- An absolutely stunning architectural enhancement
- Additional insulation to improve energy efficiency
- Uninterrupted access to your building

In many cases, very few modifications are required to prepare the existing roof to receive the new metal panels. To make replacing your roof as painless as possible, IMETCO offers engineering services, framing assemblies, and installation support.



SYMMETRY

Series 300 brings the advantages of symmetry to architects, installers and building owners alike.

With vertical legs that are equal in both size and profile, and a separate seam cap that joins the panels, Series 300 can be **installed starting from any point on the roof** to produce a sleek, balanced, proportional look that complements any design.

Installers have better control over when and where panels are installed, and can even run **simultaneous crews** to cut completion time in half.

Since there are no interlocking male/female seams to worry about, **Series 300 panels can be installed in either, or both, directions** at any time. With this innovative system design, roof protrusions and other detail work will not disrupt installation. Crews can simply move around the obstacle and continue working, then return to insert missing panels later.

The seam cap features , with its **factory-applied hot-melt sealant**, is **quickly and mechanically seamed**. IMETCO's seamer permanently seals the caps at a rate of **60 feet per minute**, and runs **in both directions**. This eliminates the need for a third crew member to chase and retrieve the seamer after each course is run.

Series 300 also **reduces material waste** since each piece of a cut panel can be used for the opposite sides of a detail condition.

Perhaps the most compelling advantage of a symmetrical metal roof is that **symmetry simplifies repair**. In the event that a Series 300 panel needs to be removed or replaced, **ONLY** that panel needs to be removed or replaced - not every other panel between it and the roof's edge. And while Series 300 outperforms any other metal roofing panel available, its **symmetry provides peace-of-mind** to building owners, designers and installers who are prepared for any contingency.



Series 300 Testing



No matter where your project is located, or which conditions it will encounter, each of the following tests is an important measure of metal roofing system performance.

Conditions/Components Tested	UL 580	ASTM E-1592	ASTM E-1680	FM® 4471	TAS 201	TAS 203	ASTM E-1646	AAMA 501.1	TAS 100-95	ASTM E-2140	TAS 114 (APP G)	UL 263	TAS 125	ENCON CN 240
Actual edge components (flashings & trim)		✓						✓	✓					
Actual field penetration details										✓**				
Panel end laps										✓	✓			
Tests to failure		✓		✓									✓	
IBC wind uplift requirement*	✓*	✓*												
Utilizes dynamic loading	✓				✓	✓								
Thermal expansion/contraction			✓				✓							✓
Clip wear resistance														✓
Foot traffic resistance				✓										
Impact resistance					✓									
Vertical load resistance	✓									✓	✓			
Energy efficiency			✓											
Moisture control							✓		✓	✓	✓			
Climate-Related Performance														
Wind	✓	✓		✓	✓	✓		✓	✓					✓
Rain			✓				✓	✓	✓	✓	✓			
Snow			✓				✓			✓	✓			
Fire				✓								✓		
Tornado					✓	✓							✓	
Thunderstorm		✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	
Hurricane		✓		✓	✓	✓		✓	✓	✓	✓		✓	
Hail	✓			✓	✓	✓								
Heat/cold variations			✓				✓							✓
Series 300 results	Class 90	Up to 280 psf	No leaks at 20.0 psf	Up to Class 1-150	Small & large missile impact	+/- 130 psf	.001 cfm/sf @ 20 psf	Up to 70 mph	Up to 120 mph	No leaks for 6 hours	No leaks for 168 hours	Up to Class A rating	Up to 360 psf	2" movement for 100,000 cycles

* International Building Code (IBC) requires wind uplift testing in accordance with UL 580 and/or ASTM E1592. Check with your IMETCO representative to determine which test is applicable to your project.

** Testing of field penetration details is optional. Series 300 has been tested with actual field penetration details.



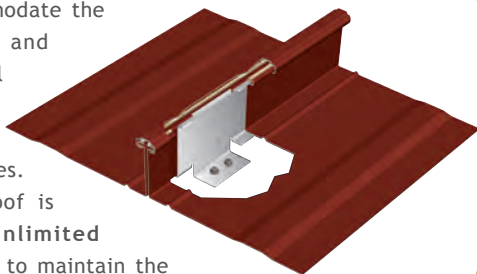
Wind Uplift Analysis

IMETCO provides metal roofing systems that are engineered to the unique needs of each project, bringing the designer's vision to life. The process begins with a **Wind Uplift Analysis for each individual structure**, conducted by IMETCO's engineers. This analysis follows the American Society of Civil Engineers (ASCE 7) standard, Minimum Design Loads for Buildings and Other Structures, to determine a building's design wind loads.

The Wind Uplift Analysis considers a structure's geographic location, mean roof height, roof pitch/geometry, exposure condition, occupancy class, and other factors that impact wind load capacity. Armed with these results, designers can specify **the right roofing system** for their project **every time**, assured of compliance with the International Building Code (IBC).

Unlimited Thermal Movement and Watertight Performance

The dynamic nature of a metal roof is embraced and facilitated by the Series 300 system. The one-piece clip, isolated seam sealant, custom trim, flashing, and system details all work together to accommodate the natural expansion and contraction of metal that occurs when it is exposed to varying temperatures. Each Series 300 roof is engineered for **unlimited thermal movement** to maintain the roof's structural integrity and provide a lifetime of watertight protection.



STRENGTH

Performance-Inspired Metal Roofing

Day after day, roofs are assaulted by rain, snow, heat, wind and other environmental attacks. A Series 300 system, with its lasting resilience, shields its building from these unforgiving conditions and provides building owners with a **lifetime of protection** for their investment.

The precision engineering of a Series 300 roof delivers **long-term weather-tight performance** with **Triple Threat Protection™** against water infiltration from ponding/standing water, daily rainfall, and wind-driven rain. It has been **rigorously tested** to be **leakproof** and to **withstand hurricane-force winds**.

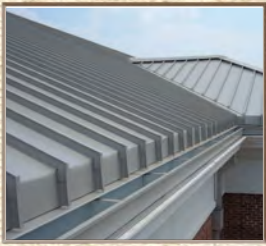
As part of the **Series 300/Perfrom-A-Deck assembly**, the system is engineered and tested as recommended by the **FEMA 361 Design and Construction Guidance for Community Safe Rooms** for resistance to wind uplift and impact from wind-borne debris.

An ideal system for structural and/or architectural applications, Series 300 features a 2 $\frac{3}{8}$ -inch high symmetrical seam with a separate, **easy-to-install** seam cap.

Series 300 can span across open purlins and carry snow and wind loads on slopes as moderate as $\frac{1}{4}$:12. It can also be installed over any solid deck, on steeper slopes, and even vertically as a wall panel.

Series 300's unique **one-piece concealed clip**, made of heavy 16-gauge galvanized or stainless steel, is designed to provide **maximum structural integrity** while allowing **unlimited thermal movement**. The clip also elevates the panel $\frac{3}{8}$ -inch off the substrate to allow for air movement.





It's All in the Details

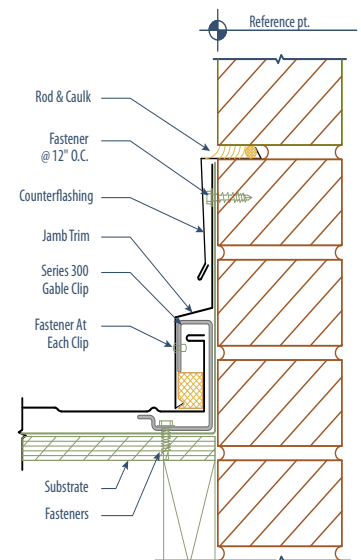
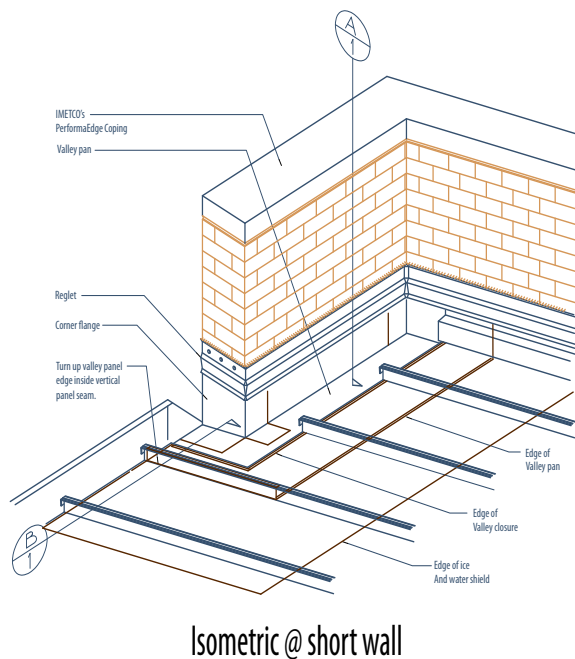
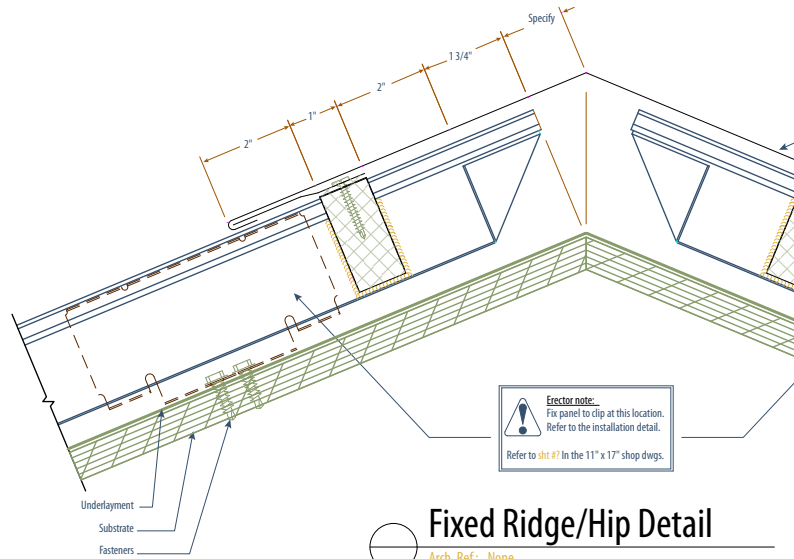
Shop Drawing and Submittal Packages

A thoroughly engineered shop drawing package is crucial to the success of every project. In addition to the standard details that are available for use by designers, IMETCO offers shop drawings that are produced in-house by IMETCO engineers and customized to the unique requirements of your project. This helps **simplify and expedite** resolution of any design challenge you may face during project planning and installation. These comprehensive, engineered packages help ensure **optimum product performance, proper installation, and code compliance**, thereby reducing potential liability for design professionals, installers, and building owners.

Shop drawing packages address myriad design and liability considerations, such as:

- Wind uplift requirements
- Water control, drainage and run-off
- Ice damming
- Snow retention
- Watertight details
- Thermal movement allowances
- Aesthetic considerations
- Proper product installation
- Coordination of transitional conditions and adjacent building materials
- Building code compliance
- Optional P.E. stamping (available for any state)

Each shop drawing package also includes detailed, **illustrated step-by-step installation guidelines**, helping installers ensure a quality, expeditious installation while limiting liability.





SERVICE

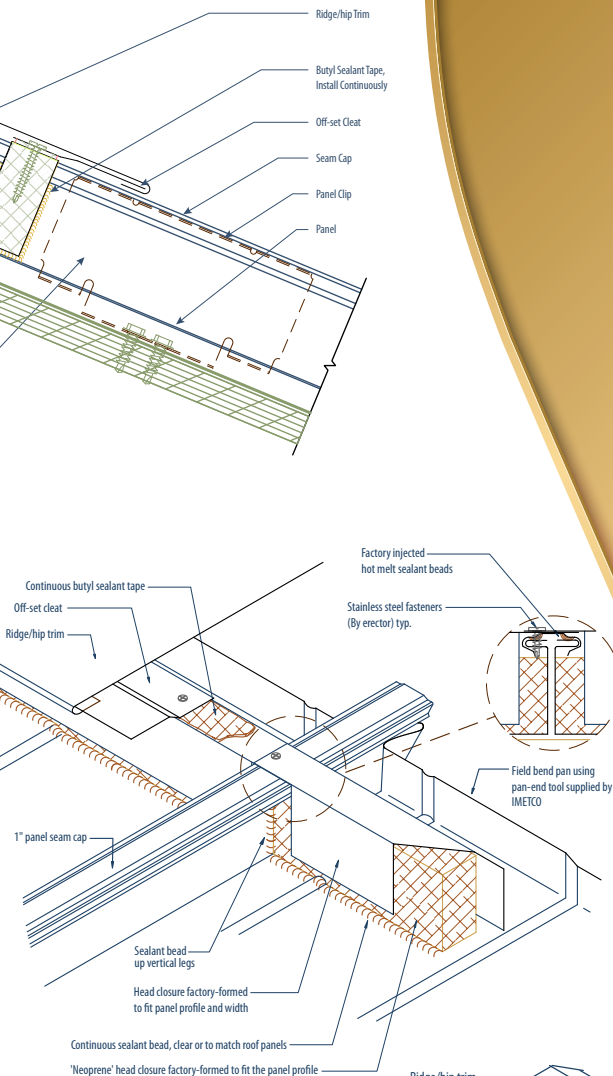
The Total Package

Series 300 is more than just a metal panel. It is a total metal roofing solution, complete with all of the support you need to design and install a high-performance Series 300 metal roof.

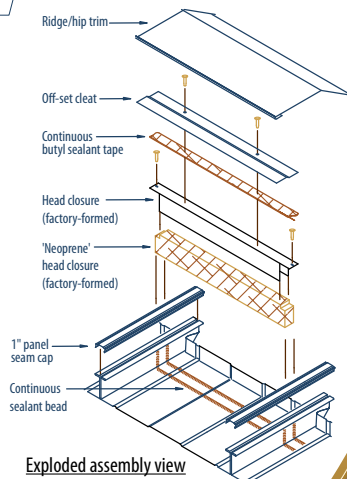
IMETCO's engineering team helps bring your design concepts to life with **custom-tailored and engineered metal systems**. As your metal roofing partners, our field service representatives and inside service teams provide **collaborative support** throughout all phases of your project to ensure budget- and code-compliance with IMETCO's durable, **high-performance metal systems**.

For each individual Series 300 application, IMETCO evaluates an array of variables to help you determine product and installation requirements. From curving and tapering design support to wind uplift and substrate assembly analysis, we are here to assist you. We routinely help our customers determine appropriate materials, panel width and clip spacing. This **hands-on support** is what truly differentiates Series 300 and other IMETCO products.

We at IMETCO are driven by one thing - **customer satisfaction**. It is our mission to ensure proper system performance based on each individual application, and to reduce unnecessary costs associated with improper design.



head assembly detail



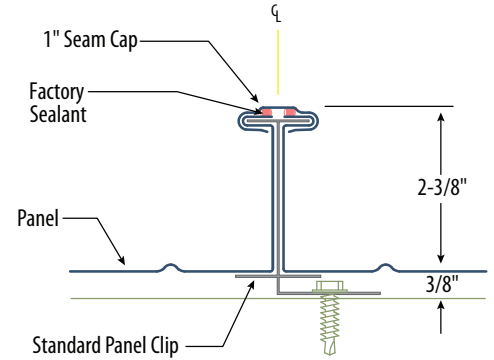
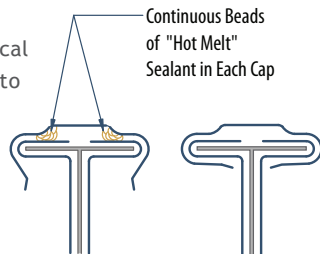
Exploded assembly view



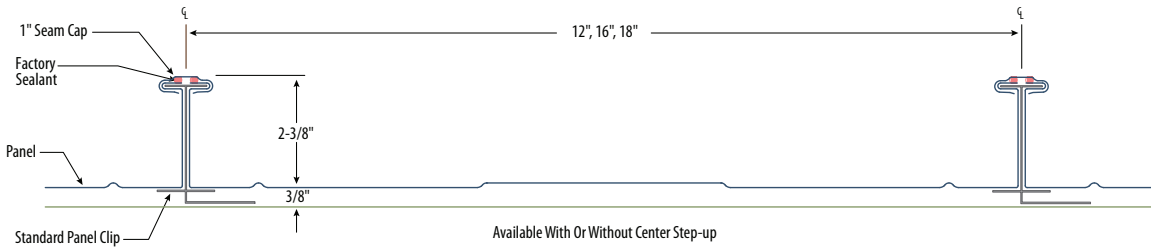
Beauty and Versatility

Series 300 Offers Strength, Beauty and Versatility

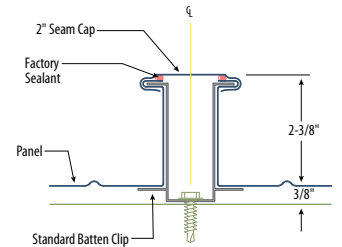
In addition to the wide range of materials, colors, and mechanical finishes available, Series 300 offers a variety of profiles to accommodate both aesthetic and functional demands. The Series 300 standard seam profile is available in 12-, 16-, and 18-inch standard widths. The batten seam profile is available in 11-, 16-, and 19-inch standard widths. Contact your IMETCO representative to inquire about custom panel widths.



Standard Seam Profile



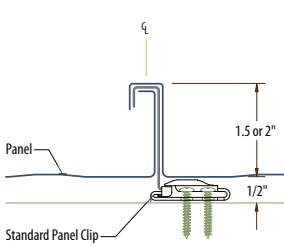
Series 300 Standard Panel Profile



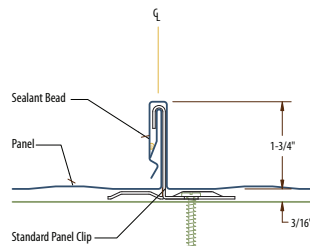
Typical Batten Profile

In Addition to Series 300, IMETCO Offers a Full Line of Other Metal Roofing Systems

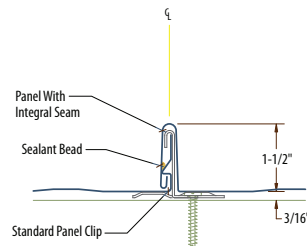
Please contact us at 800.646.3826 for more information about any of these or other IMETCO products.



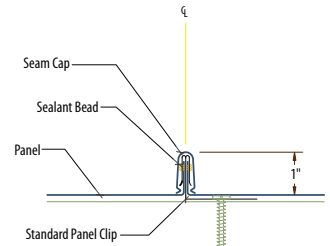
Twin-Loc™



Snap-Lok™



Perm-Loc™

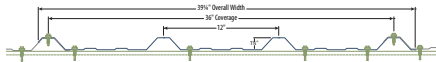


SST™

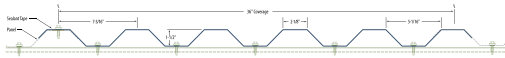


Don't Forget the Walls

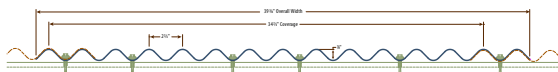
IMETCO's roofing systems are complemented by our full line of metal wall and soffit panels. Contact your IMETCO representative for more information about these and other products.



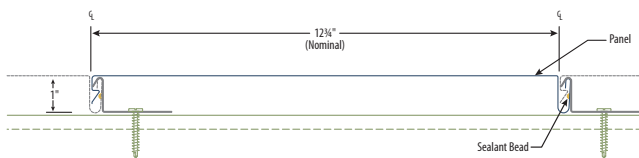
R-Panel Exposed Fastener Wall Panel



7.2 Rib Exposed Fastener Wall Panel

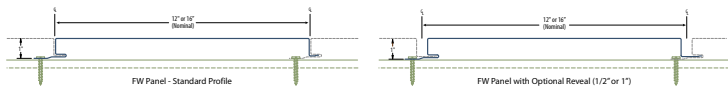


COR-PAN Exposed Fastener Wall Panel

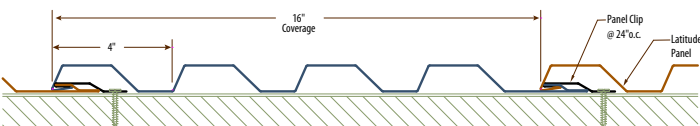


PermWall™ Concealed Clip Wall Panel

(also available with 1/2" vertical leg at 11 3/4 inches wide)

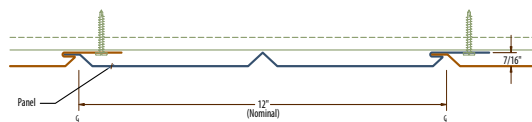


FW-120 Concealed Fastener Wall Panel



Latitude™ Series Wall Panel

(Several 12- and 16-inch profiles for horizontal & vertical application)



SP-120 Concealed Fastener Soffit Panel

SOLUTIONS

Experience the Enduring Beauty and Timeless Appeal of IMETCO Metal Solutions

IMETCO is proud to offer a **full line of metal roof, wall, and edge systems and accessories**. Using only the highest quality metals from select premier mills, IMETCO manufactures its metal products from a wide selection of materials and gauges, including galvanized & Galvalume® steel, aluminum, copper, stainless steel, zinc and titanium.

IMETCO's collection of standard, designer and premium paint finishes provides a **wide range of color choices**.

If the collection does not include your desired color, IMETCO offers **custom colors** for an infinite palette of possibilities.



IMETCO's painted finishes with Kynar® 500 and Hylar® 5000

protective coatings

provide outstanding

resistance to UV and chemical exposure with unmatched performance and color integrity.

From smooth, embossed and low-glare surface textures to striations and minor ribs added during roll-forming, IMETCO offers several textures to accommodate aesthetic and structural requirements.

For a sleek, finished look, IMETCO offers a **wide range of roofing accessories**.

Fascia, coping, gutters and downspouts are all formed by our talented craftsmen.

Fasteners are available in any of our standard, premium, designer, and custom colors.

IMETCO's line of accessories also includes head, hip and valley closures, a wide variety of clips, trim, edge stiffeners, and **snow retention systems**.

Joining the Art of Design and Craftsmanship
to Create a Balance of Timeless Beauty and Lifelong Protection

The Total Solution

IMETCO offers a full line of metal roofing, wall, and edge systems and accessories. Be sure to ask your representative about other products from IMETCO, such as:



- The **only** American-produced zinc for the construction industry
- Corrosion resistant, self-healing
- Environmentally friendly

AquaBlock Underlayment

- Self-adhering, self-sealing
- **100% SBS-modified**, fiberglass-reinforced

PerformaEdge® Fascia & Coping

- Weather-tight, wind-resistant
- Fully tested per ANSI/SPRI ES-1 standards
- **20-year** blow-off and weather-tight warranties

Series 300/Perform-A-Deck Assembly

- Series 300 metal roofing from IMETCO
- Metal deck and insulation from Martin Fireproofing
- **Single warranty for complete assembly**
- Withstands extreme winds and debris impact as recommended by *FEMA 361 Design and Construction Guidance for Community Safe Rooms*

Photovoltaic

Many of IMETCO's roof systems are designed to allow the addition of enhancements such as solar roof panels. Contact your IMETCO representative for more information.

The IMETCO Advantage

For more than a decade, we at IMETCO have enjoyed our reputation as a manufacturer committed to providing products of only the highest quality. Our staff comprises expertise in metal roofing, design, engineering, testing, code compliance, manufacturing, and more. Above all, our staff excels in providing unparalleled customer service.

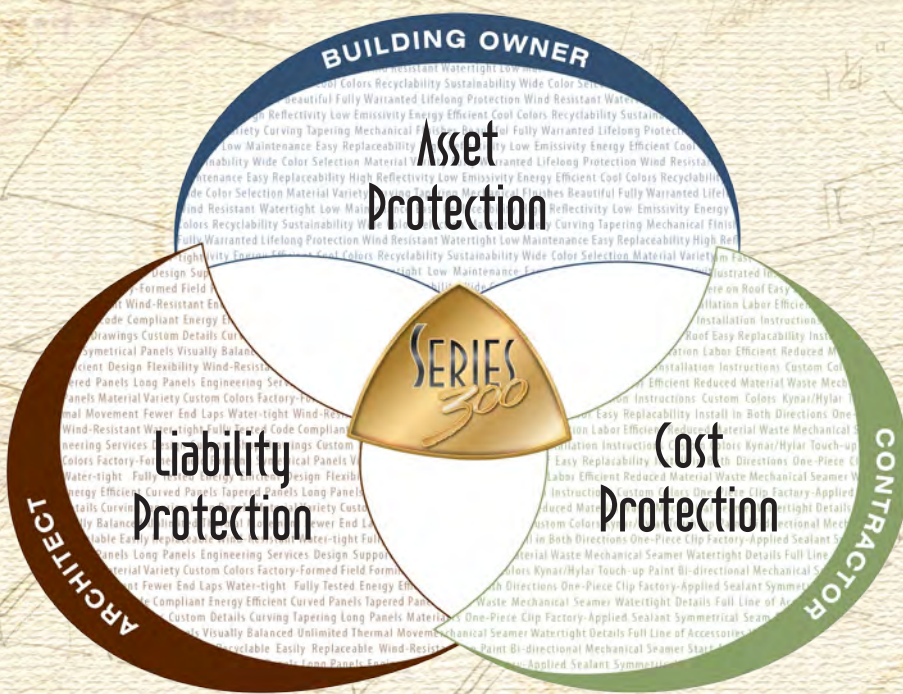
At IMETCO, your satisfaction is our only measure of success!



4648 S. Old Peachtree Rd. | Norcross, GA 30071

800.646.3826 (p) | 770.908.2264 (f)

www.imetco.com



Standard Colors

Irish Mist	Almond Suede	Emerald Forest	Blue Sapphire
Tuscan Slate	Epic Bronze	Solar White	Cadet Gray
Sandstone	Chestnut	Georgian Brick	Opal Star
Colonial Red	Silver Cloud	Wedgewood	Weathered Copper

Designer Colors

Iron Mountain	Cardinal Red	Carolina Coast
Natural Patina	Caribbean Coral	Merlot

Premium Colors

Platinum Silver	Roman Copper	Brite Copper
Champagne	Preweathered Galvalume	Galaxy Blue

Signature Collection - Patterned

Antique Bronze	Artisan Steel	Quartz
Acrylic Galvalume	Copper Patina	Field Stone

Prestige Collection - Natural Metals

United Zinc: Glacier Gray	Copper
United Zinc: Onyx Black	TextureMatte Stainless Steel



Galvalume® is steel pre-treatment and a registered trademark of Bieck International Inc. Hylar® is a fluorocarbon paint finish available on our metal products, and is a registered trademark of Ausimont USA Inc. Kynar® is a fluorocarbon paint finish available on our metal products, and is a registered trademark of Elf Atochem North America Inc. FM® (Factory Mutual) is a world leader in property loss prevention and control engineering, research, and training. Its research-based recommendations set new standards that reduce the chance of property loss due to fire, weather conditions, and failure of electrical or mechanical equipment. It is a registered trademark of Factory Mutual Global, and must be identified as such whenever referred to in print.

Series 300® and all other trademarks are owned by Innovative Metals Company, Inc. (IMETCO).

03/2011