

# FABRAL®

METAL WALL AND ROOF SYSTEMS



**TOTAL SYSTEMS**  
*Holistic Building*

FULL LINE SYSTEM GUIDE



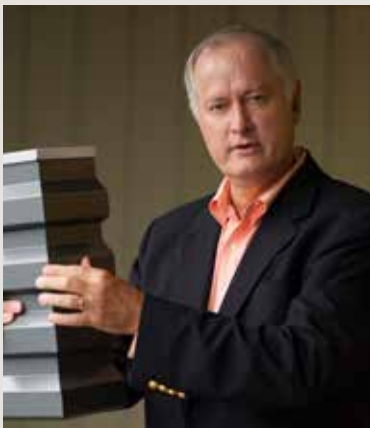
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## FABRAL® TOTAL SYSTEMS

To us, metal is more than a commodity. Our products include a multitude of systems, each delivering different aesthetics, functions and benefits. We offer versatility. And we're also your one-stop shop for all accessories, underlayment and panel system components, providing everything you need for the total system.

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## Education

We've got the knowledge and know-how to bring your vision to life. Through hands-on seminars and web-based classes, we can help you achieve your vision for a building.



## Project Consulting

We're called the "Masters of Metal" for a reason. We work with you to guide you through each phase of your project from design to spec and completion.

# FABRALCORE™

## You challenge us. And we like it.

Your vision for a building and what you want to achieve makes us think harder. It'd be easy to say, "That won't work." Instead, we go with, "Let's see what we can do." As the leading provider of metal for building envelope solutions, we push the envelope.

We like it when you bring us a problem because we know we'll find the solution. We have the products, the manufacturing and the know-how. We offer everything you need for the *total* building envelope solution. At our core, we relish a challenge.

**To learn more contact us at 800.884.4484  
or Fabral.com.**

## System Support

Education  
Project Consulting  
Technical Support  
Customer Care



## Technical Support

Your idea for a building and what you want to achieve challenges us. Bring us your ideas and our engineers will find a way to make them work.



## Customer Care

Have a question? Need a quote? Our Customer Care team is there when you need them, expertly trained to answer your questions.

# ROOF & WALL SYSTEMS



Georgia Institute of Technology, Atlanta GA, USA featuring Stand 'N Seam' and Select Series



College Park Elementary School, Virginia Beach VA, USA featuring Silhouette HCF Series' and 7/8" Corrugated



LYNX Central Florida Regional Transportation Authority, Orlando FL, USA featuring Deep Rib IV



Coleman Park Community Center, Nashville TN, USA featuring Deep Rib II and V-Beam



## Roof & Wall Systems

Fabral® roof and wall systems have been specified for projects in every commercial building segment around the world. We've provided solutions for the most demanding and creative installations. We've got the high-performance solutions and versatile design options you need. And our wide range of substrates and finishes means the possibilities are limitless. Tell us what you need. We're sure to have a system for your application.

### Roof & Wall Systems

- Standing Seam Panels
- Concealed Fastener Panels
- Exposed Fastener Panels
- Interior Wall Liner Panels

# STANDING SEAM PANELS

Fabral® high-performance systems boast one of the highest wind uplift resistance panels in the market. These workhorse panels are factory or field-formed to yield continuous long length panels.



Georgia Institute of Technology, Atlanta GA, USA featuring Stand 'N Seam® and Select Series® 12

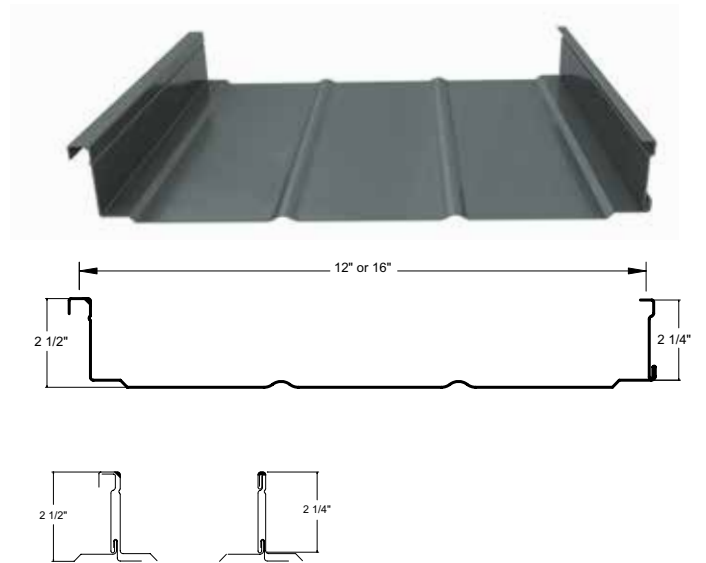
FABRAL® **STAND 'N SEAM®**

## Panel Specs

- Highest wind-uplift resistance of any standing seam panel on the market
- Unrestricted Thermal Movement
- Double Lock-seamed Side Joints
- Factory formed to 12" and 16" or Field-formed to 16"
- Factory Applied Sealant
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel and Copper
- Maximum Panel Length: Factory Forming Option 47'
- Minimum Panel Length: 6'

## Technical Data

<b>Min Roof Slope</b>	1/2:12
<b>Hail Resistance</b>	UL2218, Class 4
<b>Fire Resistance</b>	UL790, Class A
<b>Thermal Cycling Test</b>	100,000 cycles
<b>Wind Uplift</b>	Class 90, #275, 275A, 275B, 319
UL580	Results Vary Depending on Gauge and Panel Thickness
ASTM E330/ASTM E1592	
<b>Air Infiltration</b>	0.006 cfm/ft² @ 20 psf
ASTM E283	No air penetration @ 20 psf
ASTM E1680	
<b>Water Penetration</b>	No Water @ 20 psf
ASTM E331	No Water @ 20 psf
ASTM E1646	No leakage of standing water
ASTM E2140	
<b>Miami Dade Noa (steel &amp; aluminum)</b>	



**A high-performance, mechanically seamed roof system for the most demanding applications.**



# FABRAL POWERSEAM™

## Panel Specs

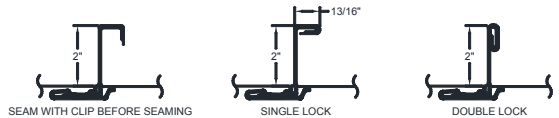
- 90 and 180 Degree Seaming Available
- Curving and Tapering Options Available
- Striations and Shadow Lines Available (varies by facility)
- Factory or Field-forming available in 12", 16" and 18"
- Factory Applied Sealant
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: Factory Forming Option 47'
- Minimum Panel Length: 6'

## Technical Data

<b>Min Roof Slope</b>	1:12
<b>Hail Resistance</b>	UL2218, Class 4
<b>Fire Resistance</b>	UL790, Class A
<b>Wind Uplift</b>	
UL580	Class 90, #90, 176, 180, 238, 548, 549, 675
ASTM E1592	Results Vary Depending on Gauge and Panel Thickness
Factory Mutual FM Class I-180 tested and approved	
<b>Air Infiltration</b>	
ASTM E283	0.01 cfm/ft <sup>2</sup> @ 15 psf
ASTM E1680	0.01 cfm/ft <sup>2</sup> @ 20 psf
<b>Water Penetration</b>	
ASTM E331	No Water @ 6.24 psf
ASTM E1646	No Water @ 20 psf
ASTM E2140	No leakage of standing water
Texas Dept of Insurance Approved	



PowerSeam with clip shoulder



A mechanically seamed structural standing seam roof system with curving and tapering capabilities.

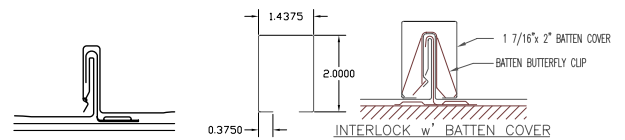
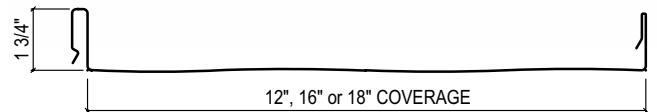
# FABRAL THIN SEAM

## Panel Specs

- Unlimited Thermal Movement
- Factory or Field-forming
- Batten Seam Lines Available
- Striations and Shadow Lines Available
- Tapering Options Available
- Factory Applied Sealant
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel and Copper
- Maximum Panel Length: Factory Forming Option 47'
- Minimum Panel Length: 6'

## Technical Data

<b>Min Roof Slope</b>	1:12
<b>Wind Uplift</b>	
UL580	Class 90 #303, 359, 359A, 343, 417
ASTM E1592	Results Vary Depending on Gauge and Panel Thickness
<b>Air Infiltration</b>	
ASTM E283	0.009 cfm/ft <sup>2</sup> @ 6.24 psf
<b>Water Penetration</b>	
ASTM E331	No Water @ 15 psf
Texas Dept of Insurance Approved	



A snap-together panel for easy installation with no mechanical seaming tools required. Ideal for installation over solid substrate and open framing.

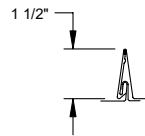
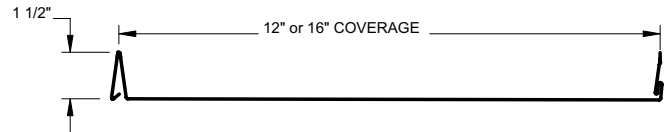
### Panel Specs

- Unlimited Thermal Movement
- Shadow Lines Available
- Tapering Options Available
- Factory Applied Sealant
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel and Copper
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL580	Class 90, #274, 274A, 369
ASTM E1592	24 ga Allowable Load of 48.48 psf @ 2.5'
Air Infiltration	
ASTM E283	0.09 cfm/ft <sup>2</sup> @ 1.57 psf
ASTM E1680	No air penetration @ 20 psf
Water Penetration	
ASTM E331	No Water @ 25 psf
ASTM E1646	No Water @ 12 psf

Texas Dept of Insurance Approved  
FL approved



An economical, high-performance standing seam peak system. Ideal for installation over solid substrate and open framing.

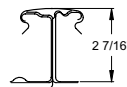
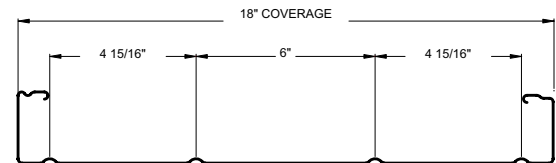
## FABRAL<sup>®</sup> 2 1/2" SSR

### Panel Specs

- Tapering Options Available
- Factory Applied Sealant
- Unlimited Thermal Movement
- Substrate Offering: .032", .040" and .050" Aluminum and 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 51'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL90	#190, 190B
Air Infiltration	
ASTM E283	No air penetration @ 20 psf
ASTM E1680	0.019 cfm/ft <sup>2</sup> @ 20 psf
Water Penetration	
ASTM E331	No Water @ 20 psf
ASTM E1646	No Water @ 20 psf



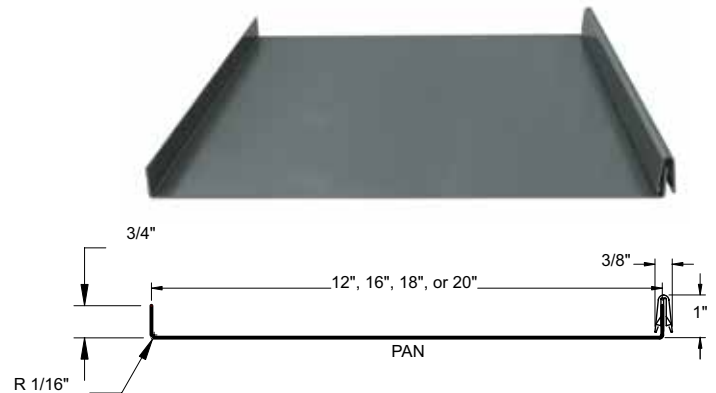
A classically styled panel designed for durability with batten seams and the heaviest gauges available.

FABRAL<sup>®</sup> SNAP ON SEAM**Panel Specs**

- Solid Substrate Installation Only
- Shadow Lines Available
- Tapering Options Available
- Curving Options Available
- Unlimited Thermal Movement
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

**Technical Data**

Min Roof Slope	3:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL580	Class 90, #296, 397, 397A
ASTM E1592	Results Vary Depending on Gauge and Panel Thickness



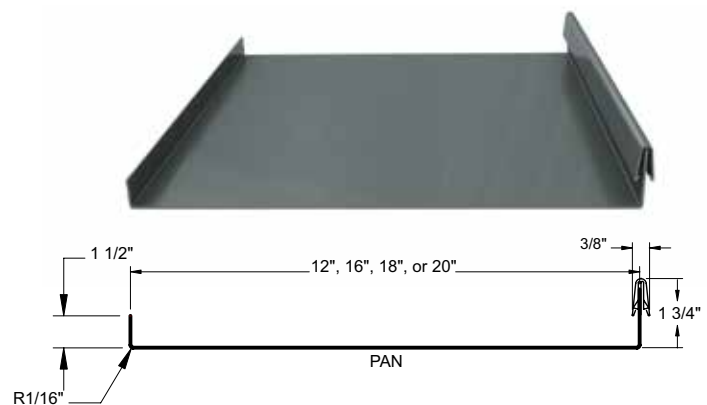
An easy to install, two-component design ideal for roof applications requiring curved panels.

FABRAL<sup>®</sup> SNAP ON SEAM HIGH PROFILE**Panel Specs**

- Solid Substrate Installation Only
- Unlimited Thermal Movement
- Shadow Lines Available
- Tapering Options Available
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

**Technical Data**

Min Roof Slope	3:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



An easy to install, snap-on seam design allows for easy removal of individual panels when necessary.

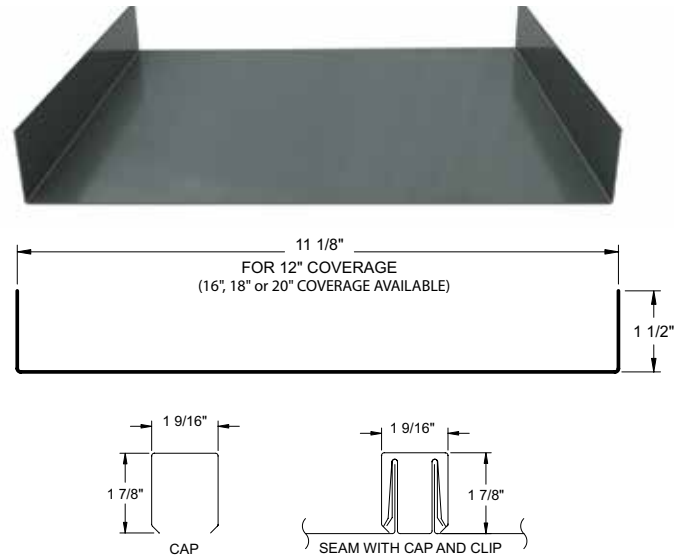
## FABRAL<sup>®</sup> SNAP ON BATTEN

### Panel Specs

- Solid Substrate Installation Only
- Unlimited Thermal Movement
- Shadow Lines Available
- Tapering Options Available
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	3:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



A snap-on seam, wide batten design for bolder design effect.

## FABRAL<sup>®</sup> IP SEAM 3

### Panel Specs

- Mechanically Seamed Panel
- Factory Applied Sealant
- Substrate Offering: 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL90	#93, 210A
ASTM E1592	Results Vary Depending on Gauge and Panel Thickness
Factory Mutual FM Class I-120 Tested and Approved	



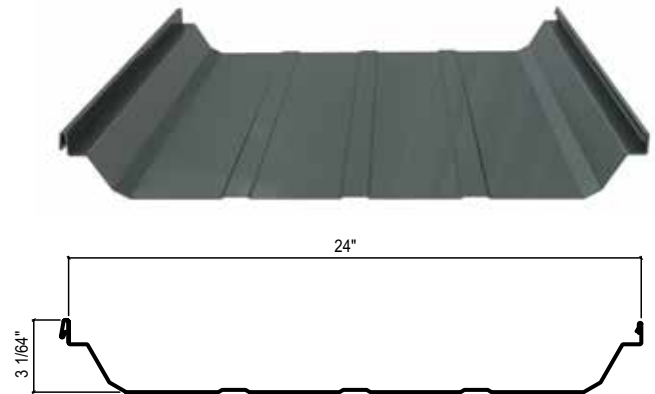
A mechanically seamed, trapezoidal panel design for low-slope industrial applications and high-performance, pre-engineered metal buildings.

FABRAL<sup>®</sup> IP SNAP 3**Panel Specs**

- Snap-Fit Panel
- Factory Applied Sealant
- Substrate Offering: 24 Gauge and 22 Gauge Steel
- Maximum Panel Length: 47'
- Minimum Panel Length: 6'

**Technical Data**

Min Roof Slope	1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	#93, 210A
UL90	Results Vary Depending on Gauge and Panel Thickness
ASTM E1592	
Factory Mutual FM Class I-90 Tested and Approved	



A snap-fit, trapezoidal panel design for low-slope industrial applications and high-performance, pre-engineered metal buildings.



Holy Family Catholic Church, Woodruff WI, USA featuring Thin Seam

# CONCEALED FASTENER PANELS

Fabral® concealed fastener systems combine dynamic design with functional excellence. These systems include a wide range of profile options and configurations for vertical and horizontal orientations.



Lady Bird Johnson Middle School, Irving TX, USA featuring V-Beam, Select Series® 12 and Thin Seam

## FABRAL® SILHOUETTE HCF SERIES™

### Panel Specs

- Panel Options Include Multiple Profiles
- Factory Applied Sealant
- Substrate Offering: .032" - .050" Aluminum and 24 Gauge - 18 Gauge Steel
- Maximum Panel Length: 30'
- Minimum Panel Length: 2'
- Mitered Corners Available

### Technical Data

#### Air Infiltration

ASTM E283                      0.01 cfm/ft² @ 20 psf

#### Water Penetration

ASTM E331                      No Water @ 20 psf

#### Structural Performance

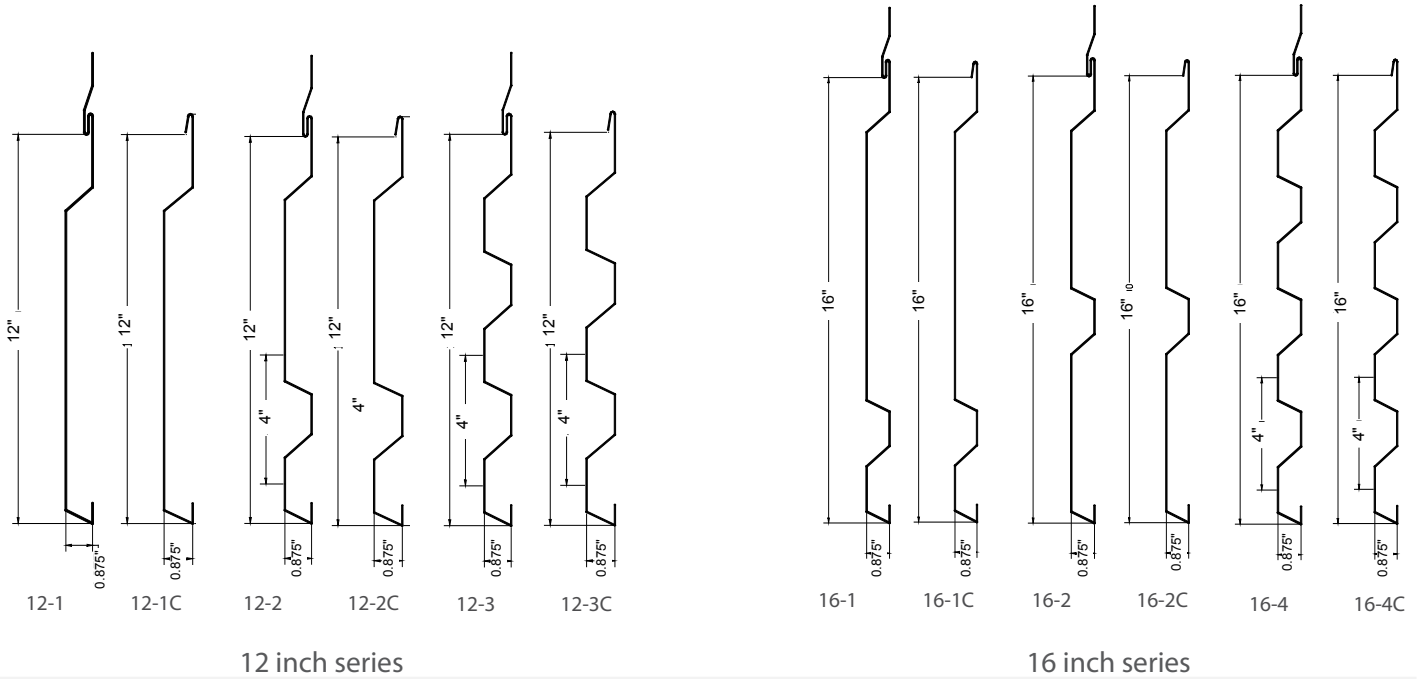
ASTM E330



A horizontal concealed fastener system that provides a range of profiles and configurations for architectural, commercial and industrial applications.



Hand and Microsurgery Associates, Columbus OH, USA featuring Silhouette HCF Series™ and Deep Rib IV



**Silhouette HCF Series™ Panel Options**

Options of one to four ribs and multiple profiles offer ultimate design versatility in a strong, durable wall panel. An interlocking side lap feature hides fasteners and is installed with or without clips.

## FABRAL® SELECT SERIES® 12

### Panel Specs

- Panel Options Available: 12-R2 (Recommended), 12-R0, 12-W
- For Vertical Use Only
- Perforation Available
- Substrate Offering: .032" and .040" Aluminum and 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 4'
- Factory Swedging Available for Endlapping

### Technical Data

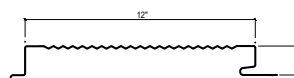
<b>Hail Resistance</b>	UL2218, Class 4
<b>Fire Resistance</b>	UL790, Class A
<b>Air Infiltration</b>	
ASTM E283	0.10 cfm/ft <sup>2</sup> @ 1.57 psf
ASTM E1680	0.25 cfm/ft <sup>2</sup> @ 6.24 psf
<b>Water Penetration</b>	
ASTM E331	No Water @ 12 psf



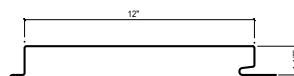
12-R2



12-W



12-R0



A concealed fastener, flush panel design that is suited for monolithic walls, equipment screens, fascia and soffit applications.

## FABRAL® SELECT SERIES® 612

### Panel Specs

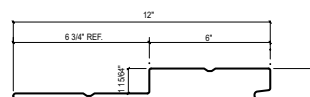
- Panel Options Available: 612-R1 (Recommended), 612
- For Vertical Use Only
- Perforation Available
- Substrate Offering: .032" and .040" Aluminum and 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 4'

### Technical Data

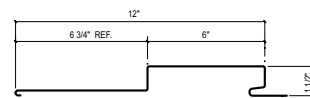
<b>Hail Resistance</b>	UL2218, Class 4
<b>Fire Resistance</b>	UL790, Class A
<b>Air Infiltration</b>	
ASTM E283	0.10 cfm/ft <sup>2</sup> @ 1.57 psf
ASTM E1680	0.25 cfm/ft <sup>2</sup> @ 6.24 psf
<b>Water Penetration</b>	
ASTM E331	No Water @ 12 psf



612-R1



612



A "six up six down" wall panel that requires no panel clips. Ideal for monolithic walls.



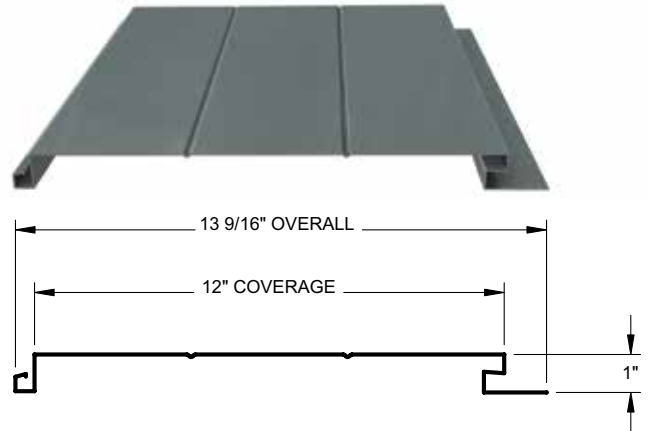
## FABRAL DÉCOR-FLUSH®

### Panel Specs

- For Soffit and Fascia Applications Use Only
- Perforation Available
- Substrate Offering: .032" Aluminum and 24 Gauge Steel
- Maximum Panel Length: 12'
- Minimum Panel Length: 6'

### Technical Data

Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Air Infiltration	
ASTM E283	<0.01 cfm/ft <sup>2</sup> @ 1.57 psf
ASTM E283	<0.01 cfm/ft <sup>2</sup> @ 6.24 psf
ASTM E283	<0.10 cfm/ft <sup>2</sup> @ 20 psf
Water Penetration	
ASTM E331	No Water @ 20 psf
Structural Performance	ASTM E330

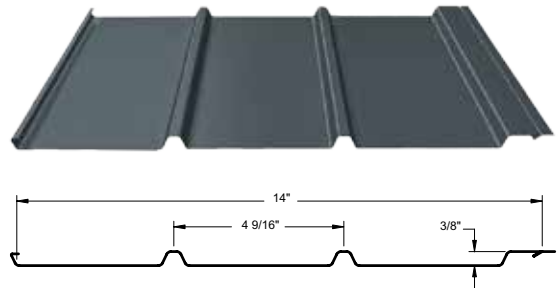


An attractive concealed fastener system ideal for soffit and fascia applications.

## FABRAL POSI-LOCK SOFFIT

### Panel Specs

- Interlocking design with concealed fasteners allows for fast and economical installation
- Fully Vented
- Perforation Available
- Substrate Offering: .032" Aluminum and 24 Gauge Steel
- Maximum Panel Length: 25'
- Minimum Panel Length: 6'



A panel system ideal for soffit applications.



Electronic Theatre Controls, Middleton WI, USA featuring Select Series® 12

# EXPOSED FASTENER PANELS

Fabral® exposed fastener metal wall and roof systems will exceed your expectations. The wide range of panels can be curved and installed vertically or horizontally to create endless design possibilities.



Harvey B. Gantt Center for African American Arts and Culture, Charlotte NC, USA featuring Hefti-Rib®

FABRAL HEFTI-RIB®

## Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Curving Options Available
- Substrate Offering: .032", .040" and .050" Aluminum and 26, 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'
- Panel Variations HR-288 and Reverse Run Hefti-Rib I are Available

## Technical Data

Min Roof Slope	2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift UL580	Class 90, #244
Air Infiltration ASTM E283	No air penetration @ 20 psf
Water Penetration ASTM E331	No Water @ 20 psf

Texas Dept of Insurance Approved  
Passed AS 4040.3 cyclic strength testing



Formed Width includes: 39.625" for 26GA and 38.875" for all other steel and aluminum options

A panel with superior strength-to-weight ratio and spanning capabilities.

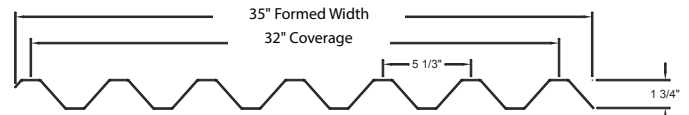
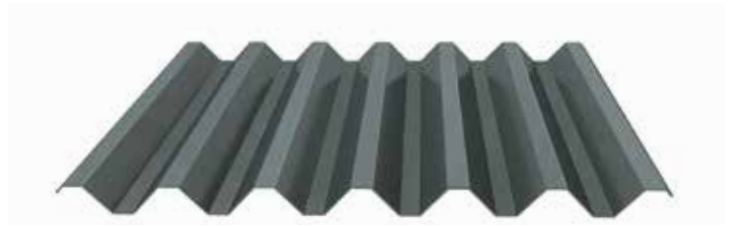
## FABRAL V-BEAM

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Field Curving Options Available
- Substrate Offering: .032", .040" and .050" Aluminum and 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



Aluminum availability includes:  
 44.875" Formed Width with 42.667" Coverage  
 38.125" Formed Width with 32" Coverage

For dramatic wall and roof applications, this striking panel design boasts excellent strength and spanning capabilities.

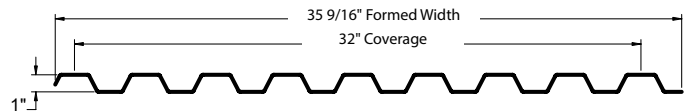
## FABRAL 4" RIB®

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Substrate Offering: .032", .040" and .050" Aluminum and 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'
- Panel Variation 8" Rib is Available

### Technical Data

Min Roof Slope	2 1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



38 1/2" Formed Width with 32" Coverage also available  
 45.625" Formed Width with 44" Coverage in unpainted Aluminum only

An industry standard, these heavy-duty panels are primed for heavy industrial and architectural applications.

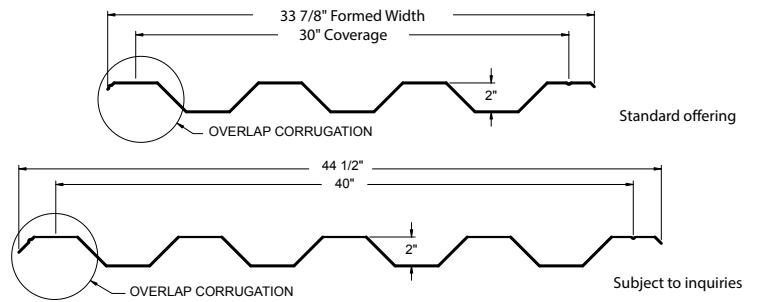
## FABRAL DEEP RIB II

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Substrate Offering: .032", .040" and .050" Aluminum and 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



A 2" panel design with a flat top rib for bold design applications.

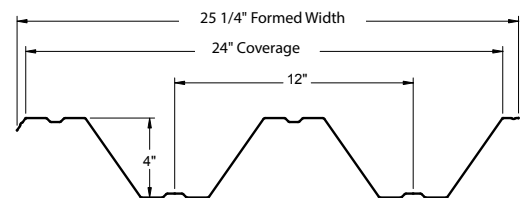
## FABRAL DEEP RIB IV

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Curving Options Available
- Inverted Panel Option Available
- Substrate Offering: .032", .040" and .050" Aluminum and 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



A bold, 4" rib panel for dynamic design appeal.

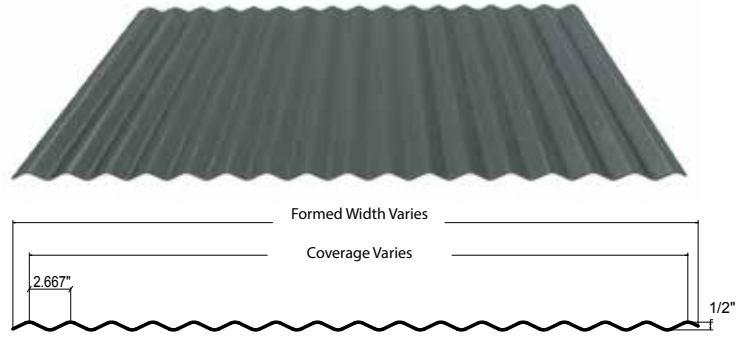
## FABRAL 1/2" CORRUGATED

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Curving Options Available
- Substrate Offering: .032", .040" and .050" Aluminum and 26, 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	2 1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



Panel Width Steel Options include:  
 42.25" Formed Width with 37 1/3" Roof Coverage; 40" Wall Coverage for 26GA only  
 44.50" Formed Width with 40" Roof Coverage; Wall: 42 2/3" Coverage for 24GA only  
 41.25" Formed Width with 37 1/3" Roof Coverage; 37 1/3" Wall Coverage for 24GA - 18GA  
 Panel Width Aluminum Options include:  
 53.125" Formed Width with 48" Roof Coverage; 50.67" Wall Coverage for .032" - .050" unpainted only  
 44.50" Formed Width with 40" Roof Coverage; 42 2/3" Wall Coverage for .032" - .050" painted or unpainted

An economical and versatile wall or roof panel.

## FABRAL 7/8" CORRUGATED

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Curving Options Available
- Substrate Offering: .032", .040" and .050" Aluminum and 26, 24, 22, 20 and 18 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	2 1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A



Panel Width Steel Options include:  
 37.50" Formed Width with Roof and Wall 34 2/3" Coverage for 26GA only  
 39.75" Formed Width with Roof and Wall 37 1/3" Coverage for 24GA only  
 36.25" Formed Width with 32" Wall Coverage; 34 2/3" Roof Coverage for 24GA - 18GA  
 Panel Width Aluminum Options include:  
 47" Formed Width with 42 2/3" Roof and 45 1/3" Wall Coverage for .032" - .050" unpainted only  
 39.75" Formed Width with Roof and Wall 37 1/3" Coverage for .032" - .050" painted and unpainted

An economical and versatile wall or roof panel with bold design appeal.

## FABRAL MIGHTI-RIB®

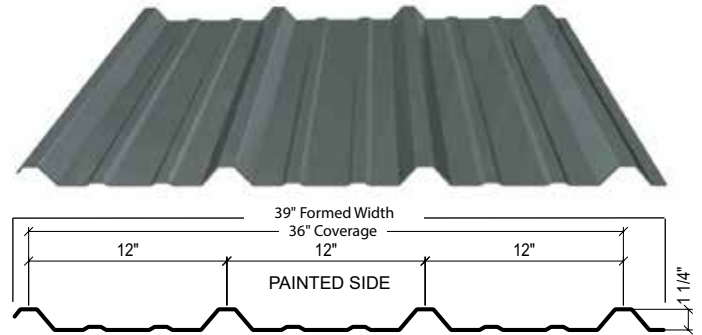
### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Substrate Offering: .032", .040" and .050" Aluminum and 26 and 24 Gauge Steel
- Heavier Gauges Available Upon Request
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'
- Panel Variations R-Panel and W-Panel Are Available

### Technical Data

Min Roof Slope	1:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL580	Class 90, #169
Factory Mutual FM Class I-150	

Texas Dept of Insurance Approved



A traditional R-Panel design for commercial and industrial roof, wall or fascia.

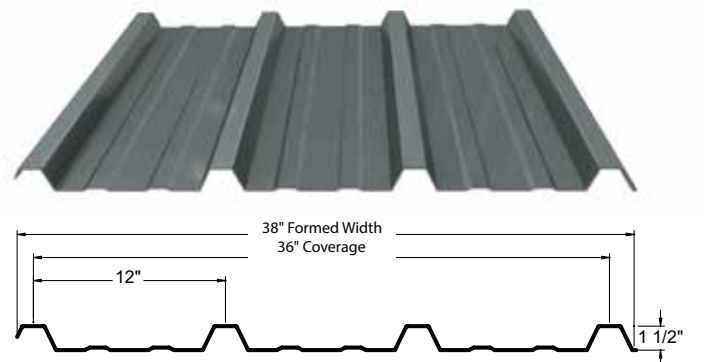
## FABRAL ULTRA RIB®

### Panel Specs

- Vertical and Horizontal Applications
- Mitered Corners Available
- Substrate Offering: .032" Aluminum and 26, 24 and 22 Gauge Steel
- Maximum Panel Length: 40'
- Minimum Panel Length: 6'

### Technical Data

Min Roof Slope	1:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	
UL580	Class 90, #168



38 5/8" Formed Width with 36" Coverage for 26GA and Aluminum also available

An extremely durable 1 1/2" high panel suited for commercial and industrial applications.

FABRAL<sup>®</sup> U PANEL**Panel Specs**

- Vertical and Horizontal Applications
- Mitered Corners Available
- 6" On Center Rib Spacing
- Substrate Offering: 26 Gauge Steel
- Maximum Panel Length: 45'
- Minimum Panel Length: 4'
- Panel Variation PBU Panel with Purlin Bearing Leg is Available

**Technical Data**

Min Roof Slope	2 1/2:12
Hail Resistance	UL2218, Class 4
Fire Resistance	UL790, Class A
Wind Uplift	Class 90, #39, 79



An economical commercial and industrial roof and wall panel ideal for light commercial structures and modular buildings.



4.0 Wine Cellar, Fredericksburg TX, USA featuring Thin Seam and Hefti-Rib<sup>®</sup>

# INTERIOR WALL LINER PANELS

Easy to use wall and roof panels ideal for field-assembled projects requiring insulation.



Hickam Air Force Base, Oahu HI, USA featuring Mighti-Rib® and V-Beam

## FABRAL® LP-15 LINER PANEL

### Panel Specs

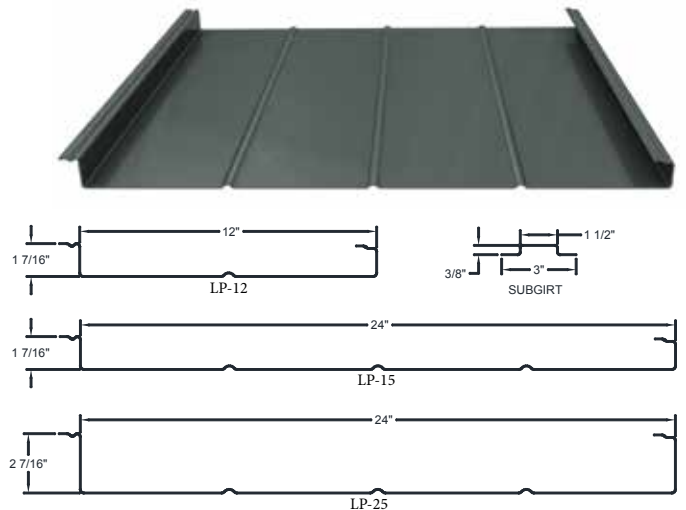
- Perforation Available
- Factory Applied Sealant
- Substrate Offering: Consult Fabral® for Availability
- Maximum Panel Length: 45'
- Minimum Panel Length: 6'
- Panel Variation LP-25 and LP-12 (2 1/2" deep liner panel) is available

### Technical Data

Hail Resistance Class 4

Fire Resistance Class A

Thermal and Acoustical Testing Results Available



Easy-to-use wall and roof panels great for field-assembled projects requiring insulation.



## TESTING, SUBSTRATES AND FIELD ASSEMBLED WALL DETAILS

### Test Reports Include:

ASTM E1592 UPLIFT  
 ASTM E330 STRUCTURAL  
 FACTORY MUTUAL  
 MIAMI DADE APPROVAL  
 UL90 UPLIFT RATING  
 AIR INFILTRATION  
 WATER PENETRATION  
 FIREWALL PANELS  
 HAIL RESISTANCE  
 FIRE RESISTANCE

To learn about these tests, visit [Fabral.com](http://Fabral.com).

Consult Fabral® for test results and other test data availability.

### Substrates

GALVALUME®, Grade 50, AZ50 or AZ55 Aluminum-Zinc alloy coating conforming to ASTM A792

- 24, 22 and 18 gauge standard for all profiles
- 20 gauge available for most profiles
- Acrylic coating standard for unpainted applications

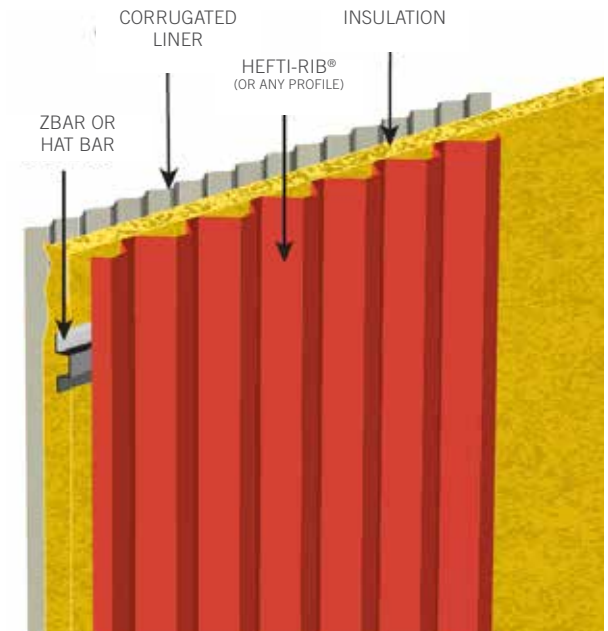
Aluminum

- .032" Aluminum, Alloy 3105 H14 standard for standing-seam panels
- .040" Aluminum available for select standing seam profiles
- .032" and .040" Aluminum, Alloy 3105 or 3004 H36 or equal standard for exposed/concealed fastener panels — .050" available for select profiles
- Alclad (Alloy 3004 with 7072 cladding) Aluminum available for select profiles

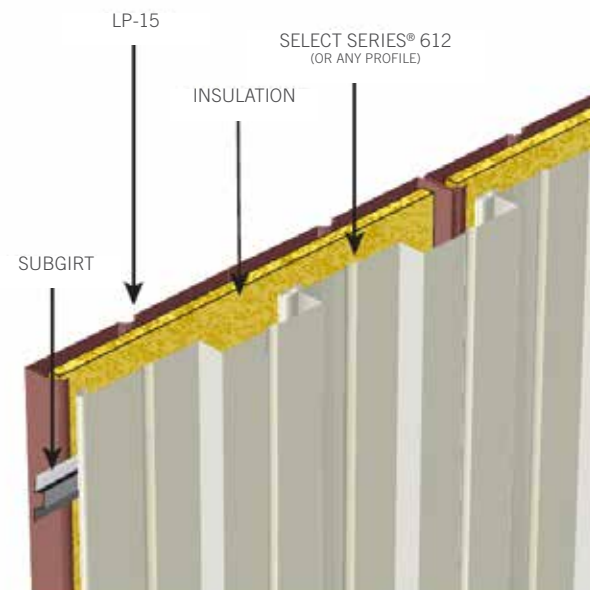
Galvanized Steel, G-90 or Grade 50 conforming to ASTM A653

- 24, 22 and 18 gauge are standard for most profiles—for 20 gauge please inquire

Stainless Steel, Copper, Zinc - please inquire for availability



Field Assembled System — Corrugated Liner



Field Assembled System — Flat Liner

# SYSTEM COMPONENTS



Georgia Institute of Technology, Atlanta GA, USA featuring Stand 'N Seam' and Select Series' 12



Hand and Microsurgery Associates, Columbus OH, USA featuring Silhouette HCF Series™ and Deep Rib IV



Holy Family Catholic Church, Woodruff WI, USA featuring Thin Seam



## System Components

Total system means total system — No element is left out. Fabral® provides all the components needed to complete an installation including clips, fasteners, bearing plates, and snow retention products.

### System Components

- Underlayment
- Snow Retention System
- Clips and Fasteners
- Mitered Corners
- Flashing, Trim and Edge Metals

# UNDERLAYMENT

Fabral® underlayment provides protection to building envelopes, keeping moisture and mold growth at bay.



Roanoke Market, Roanoke VA, USA featuring Aluminum Coil

## Dependable Protection

Fabral® offers two unique varieties of underlayment specifically designed to work with metal roof and wall systems. Underlayment provides protection to the building envelope, helping keep moisture and mold growth at bay.

### 30-Year Peel & Stick

#### Product Specs

- Watertight Asphalt-to-Asphalt Lap System
- Roll Size: 3' W x 72' L
- Minimum Thickness: 1.1mm
- Square Ft Per Roll: 200

### 50-Year Synthetic

#### Product Specs

- Installation Requires Cap Nails
- Roll Size: 4' W x 250' L
- Minimum Thickness: .75mm
- Square Ft Per Roll: 1,000

# SNOW RETENTION SYSTEMS

Ensuring safety in your building is our priority. Fabral® offers a wide range of snow guards and snow retention systems to fit nearly any roof. Our systems work hard to protect your building and the people who use it.



University of Wisconsin Kress Center, Green Bay WI, USA featuring Stand 'N Seam™

## Snow Retention Systems

The right snow guard patterns are key to your building's safety. Fabral® can provide custom snow guard spacing and pattern recommendations. Your installation demands dependability you can count on. Fabral® recommends using Surebond Everseal when using adhesive to install snow guards.



Clamp-on snow guards provide options for Standing Seam roof systems. The AP series is ideal for Fabral® Stand 'N Seam®, Powerseam™, Thin Seam and Slim Seam panels.



Functional for Exposed Fastener roof systems, surface mount snow guards are the right choice when you want to keep the cost down and design simple.



With many different snow guards and retention systems to choose from, Fabral® can help you find the best match for your application.



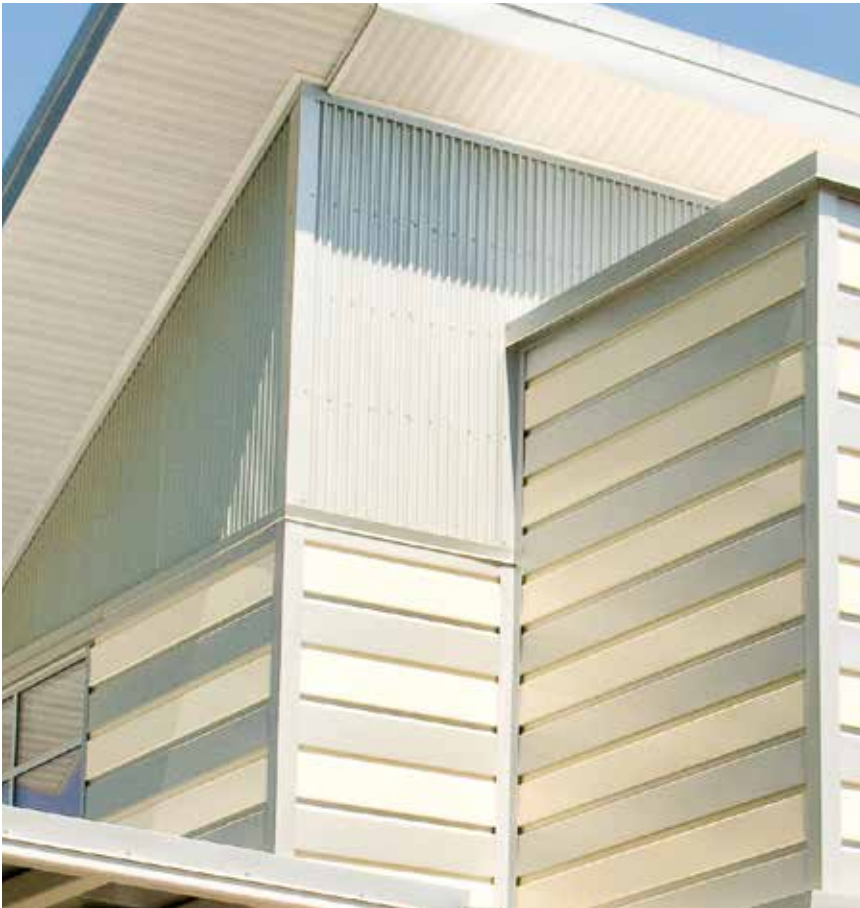
Snow Rail snow retention systems offer additional non-penetrating options for Standing Seam roof systems.

# CLIPS & FASTENERS

Fabral® offers a variety of clips and fasteners appropriate for any roof and wall panel installation.



Holy Family Catholic Church, Woodruff WI, USA featuring Thin Seam



College Park Elementary School, Virginia Beach VA, USA featuring Silhouette HCF Series™ and 7/8" Corrugated

## Structural Integrity You Can Rely On

Fabral® offers a complete line of clips and fasteners appropriate for any roof or wall panel installation. Each component is constructed of superior quality materials to ensure your design is structurally sound.

# MITERED CORNERS

Fabral® mitered corners create dynamic designs. Horizontal metal wall panels are specifically engineered to create seamless continuity.



Coleman Park Community Center, Nashville TN, USA featuring Deep Rib II and V-Beam



Target, Location featuring Deep Rib IV and Hefti-Rib®

## Dynamic Design Continuity

Fabral® mitered corners are mechanically folded to any angle you specify. Structural bonding with a two-part adhesive eliminates transition lines and weld-burn damage for a smooth, continuous panel-line appearance.

# FLASHING & TRIM

Fabral® provides the products you need to give your design the finished look you intended. Flashing metals are available in a variety of substrates, profiles and finishes to match or complement your panel system.



Kennesaw State University, Kennesaw GA, USA featuring Thin Seam and 4" Rib



Lady Bird Johnson Middle School, Irving TX, USA featuring V-Beam, Select Series 12 and Thin Seam

## Design Distinction

Fabral® flashing, trim and edge metals help you achieve the crisp, finished look you intended. These easy-to-install finishing touches help maintain interior temperatures and provide design distinction.

Fabral® flashing, trim and edge metals are available in a variety of substrates, profiles and finishes to complement any roof and wall system. And if you can't find the look you need, we'll work with you to design something that fits.



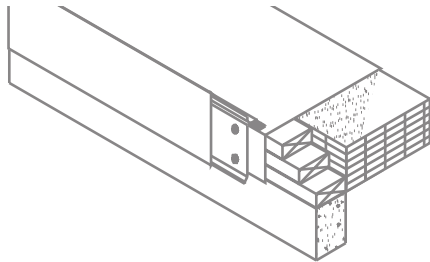
# EDGE METALS

Fabral® edge metals are ANSI SPRI ES-1 approved and: provides a total system solution from one leading supplier.

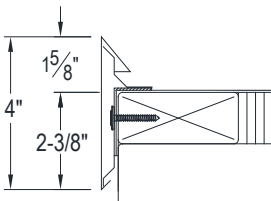
Fabral's offering includes gravel stop edge metals and copings in 24 Gauge and 22 Gauge Steel and .040" and .050" Aluminum.

Both systems feature retainer cleats, allowing for concealed fasteners and a secure system.

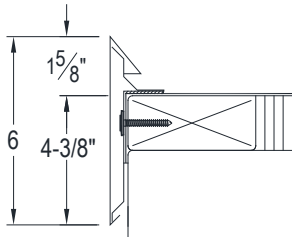
## Edge Metal Offering:



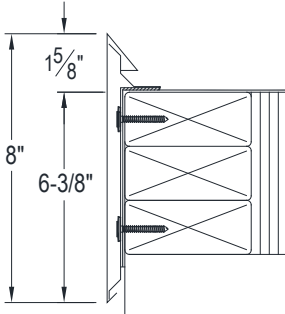
4 inch



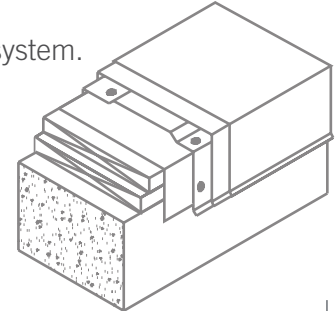
6 inch



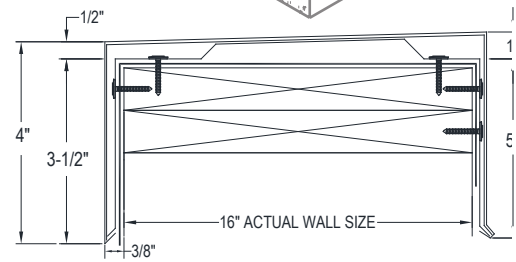
8 inch



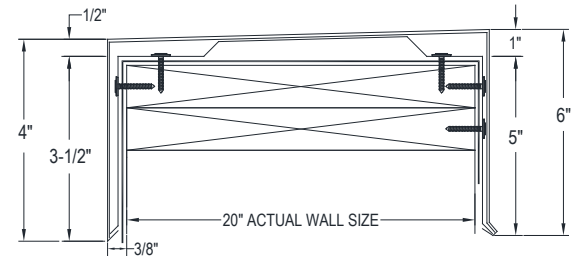
## Coping Offering:



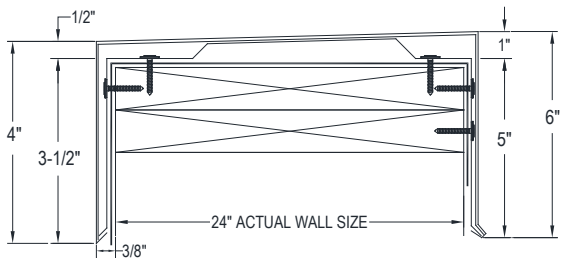
16 inch



20 inch



24 inch



\* Single 2X parapet cap is also tested and available.



West Michigan Aviation Academy, Grand Rapids, MI, USA featuring Silhouette HCF Series™

# COLORS & FINISHES



Ferrari® World, Yas Islands Abu Dhabi, UAE



Kennesaw State University, Kennesaw GA, USA featuring Thin Seam and 4" Rib



Coleman Park Community Center, Nashville TN, USA featuring Deep Rib II and V-Beam



Tandartsenpraktijk, Hazerswoude-Rijndijk, Netherlands



## Colors & Finishes

Fabral color offerings create endless design options. The most requested colors are stocked and ready-to-go with our standard product offerings. Fabral specialty selections provide hard-to-find colors and finishes. And we can deliver any color you specify through our custom color program

### Colors & Finishes

- Standard Stocked
- Specialty
- Custom

# COLORS & FINISHES

Your vision for a building is limitless. We like to keep it that way by offering you unmatched color capabilities as unique as your designs.

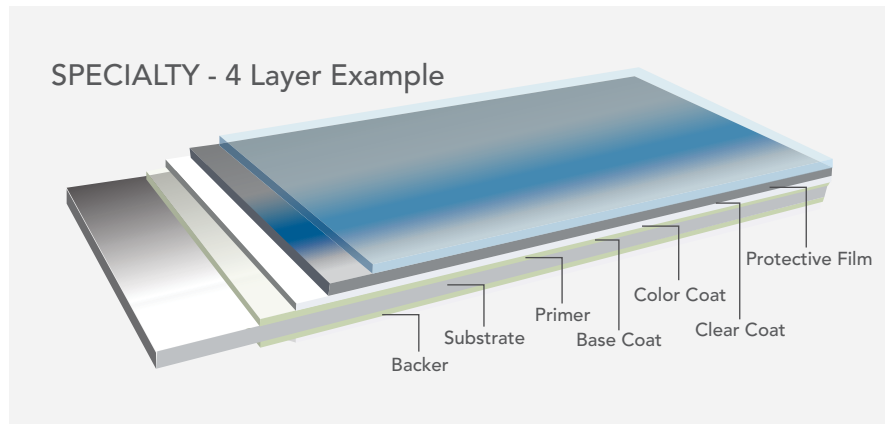
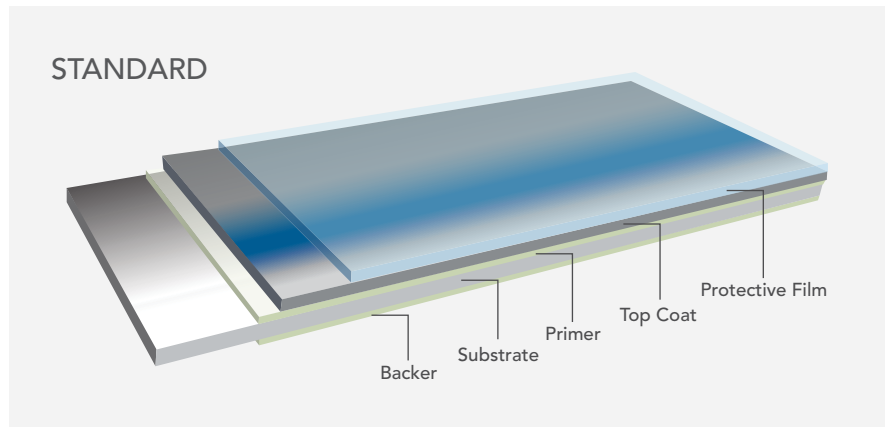


Coleman Park Community Center, Nashville TN, USA featuring Deep Rib II and V-Beam

## Multi-Layer Protection

Fabral® incorporates a multi-layer protection process to ensure color coatings withstand the highest demands. A poly-wash back-coat, corrosion-resistant primer and 70% PVDF (Kynar®/Hylar®) resin top-coat promote long-term color retention, film integrity and performance.

Specialty colors require special protection. Durable resin exterior coatings protect bright colors and withstand UV radiation. Premium fluoropolymer coatings containing 70% PVDF resins prolong metallic effects. This process ensures maximum color integrity for years to come.



# FABRAL STANDARD STOCKED

## Covering the Bases

Fabral® stocks the most requested colors so they are ready-to-go when you need them. The wide range of colors includes a collection of pearlescent finishes. Most standard stocked colors are LEED compliant and ENERGY STAR® approved.



Lady Bird Johnson Middle School, Irving TX, USA

### Core Colors



**Colonial Red<sup>Δ</sup>**  
SR: .34 IE: .86 SRI: 35



**Brandywine**  
SR: .26 IE: .85 SRI: 24



**Patina Green<sup>Δ</sup>**  
SR: .32 IE: .81 SRI: 31



**Classic Green**  
SR: .26 IE: .84 SRI: 24



**Hartford Green\***  
SR: .10 IE: .82 SRI: 2



**Regal Blue**  
SR: .28 IE: .86 SRI: 27



**Slate Blue**  
SR: .26 IE: .85 SRI: 24



**Stone Gray<sup>Δ</sup>**  
SR: .36 IE: .84 SRI: 37



**Slate Gray<sup>Δ</sup>**  
SR: .37 IE: .86 SRI: 39



**Charcoal<sup>Δ</sup>**  
SR: .32 IE: .85 SRI: 32



**Matte Black**  
SR: .27 IE: .86 SRI: 26



**Dark Bronze**  
SR: .26 IE: .84 SRI: 24



**Mansard Brown<sup>Δ</sup>**  
SR: .29 IE: .86 SRI: 29



**Medium Bronze<sup>Δ</sup>**  
SR: .30 IE: .87 SRI: 31



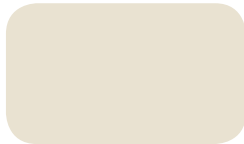
**Sierra Tan<sup>Δ</sup>**  
SR: .38 IE: .86 SRI: 41



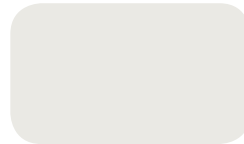
**Surrey Beige<sup>Δ</sup>**  
SR: .40 IE: .86 SRI: 43



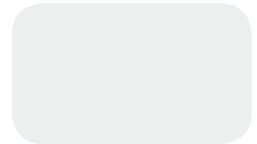
**Sandstone<sup>Δ</sup>**  
SR: .54 IE: .86 SRI: 63



**Almond<sup>Δ</sup>**  
SR: .63 IE: .86 SRI: 75



**Bone White<sup>□</sup>**  
SR: .72 IE: .84 SRI: 87



**Regal White<sup>□</sup>**  
SR: .68 IE: .86 SRI: 82

### Mica Colors<sup>†</sup>

SR = Solar Reflectivity IE = Initial Emissivity SRI = Solar Reflective Index



**Pewter<sup>Δ</sup>**  
SR: .36 IE: .85 SRI: 38



**Bright Silver<sup>Δ</sup>**  
SR: .60 IE: .77 SRI: 68



**Silversmith<sup>Δ</sup>**  
SR: .53 IE: .80 SRI: 59



**Champagne<sup>Δ</sup>**  
SR: .37 IE: .83 SRI: 38



**Bright Copper<sup>Δ</sup>**  
SR: .49 IE: .85 SRI: 55



\*All Standard Stocked colors are ENERGY STAR® approved except Hartford Green.  
□ LEED® compliant for low slope and steep slope.  
Δ LEED® compliant for steep slope only.

<sup>†</sup> Featuring a pearlescent mica finish; subject to premium pricing.  
Colors shown are as close to actual colors as allowed by the printing process. Actual metal samples are available. Colors may appear different when viewed at different angles and under different lighting conditions. Due to product improvements, changes and other factors, we reserve the right to change or delete information herein without prior notice.

### Exploring the Spectrum

Fabral<sup>®</sup> specialty colors provide unlimited options for unique design. The range includes high-performance coatings in a host of colors. A diverse collection of treatments span from self-weathering zinc to brushed and anodized aluminum.



Tandartsenpraktijk, Hazerswoude-Rijndijk, Netherlands

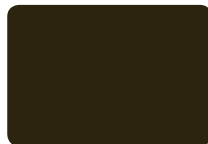
#### ANOMAX



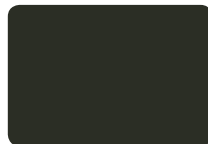
Anodized Gray Black



Dark Bronze



Middle Bronze



Light Bronze



Silver Bronze

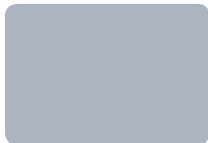


Silver

#### ALUNATUR



Bright TL



Bright Brushed



Orange Gold Brushed



Anodized Brushed



Titanium Brushed



Champagne Brushed

#### MICA



Onyx White Blue



Pyrite Gold Silver



Amethyst Purple Gray



Brilliant Gold Metallic



Pyrite Copper Orange Gold



Pyrite Red Green

#### ZINC



Self-Weathering Zinc

**ANOMAX:** a new and anodized finish

**ALUNATUR:** natural looking finishes

**MICA:** colors that change with lighting

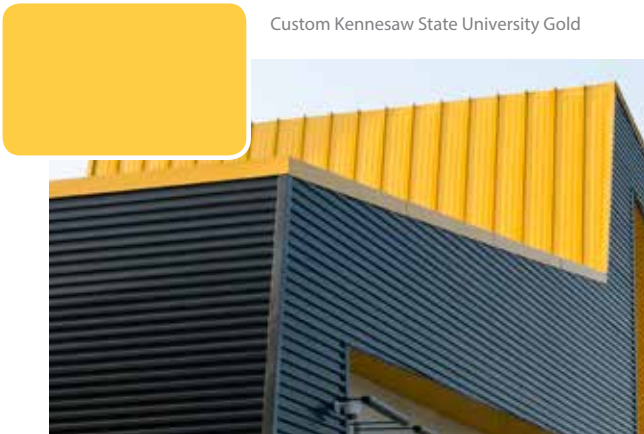
**ZINC:** a self-weathering paint finish

## Limitless Possibilities

Some designs call for spot-on color. Fabral® is ready to tackle the most challenging custom color orders, expertly matching your samples. Beyond color, Fabral® can closely replicate natural materials such as wood and stone on light, formable, maintenance-free aluminum.



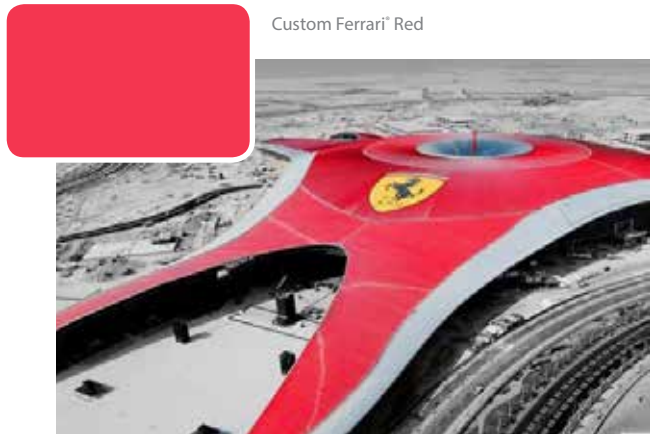
Custom Kennesaw State University Gold



### Kennesaw State University, Kennesaw GA, USA

The university's personality is highlighted boldly across the stadium's exterior using custom-matched team mascot colors. The result is unique and memorable.

Custom Ferrari® Red



### Ferrari® World, Yas Island Abu Dhabi, UAE

Extreme UV exposure was a challenge for maintaining custom color Ferrari® Red. Fabral® combined four layers of topcoat protection and high-performance pigments to ensure the finish will withstand extreme local weather conditions.

## Finishes

Fabral® finishes achieve the design details you want. Closely replicate wood, stone or stylized appearances on light formable, maintenance-free aluminum.



### Corten Steel

Achieve the worn, distressed coloration of corten steel often sought for contemporary design.



### Patina Copper

The dynamic patina of aged copper can be achieved on easy-to-install aluminum.



### Wood

Gain the versatility of wood in a variety of looks – walnut, oak, beech, cherry and more.

# ENERGY MANAGEMENT



College Park Elementary School, Virginia Beach, USA Featuring Silhouette HCF Series™ and 7/8" Corrugated



Lady Bird Johnson Middle School, Irving TX, USA featuring V-Beam, Select Series® 12 and Thin Seam



Electronic Theatre Controls, Middleton WI, USA featuring Select Series® 12 and 7/8" Corrugated





Holy Family Catholic Church, Woodruff WI, USA featuring Thin Seam



## Energy Management

Sustainability is a part of your design. And your designs require cutting-edge products that enhance building performance.

Metal is inherently green. It's durable and easy to recycle. And we're working with metal in a whole new way using special components like Phase Change Material. Many Fabral® metal panels are ENERGY STAR® approved and can help earn U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) points.

### Energy Management

Phase Change Material

# PHASE CHANGE

A new level in green building. High-performing, energy efficient products designed to easily integrate into Fabral® metal roof and wall panel systems.



## FABRAL® PHASE CHANGE MATERIAL

### Product Benefits

Metal panels bring unmatched durability. Insulation can build R-value into the system. Fabral® technology has gone beyond insulation to develop a system integrated with Phase Change Material for maximum energy efficiency and reduced energy consumption.

A natural component that easily integrates with Fabral® roof and wall systems, Phase Change Material increases the thermal mass of a building. This significantly regulates the building's interior temperature, reducing the need for heating and cooling by absorbing heat during the day and releasing it to create a more efficient energy cycle. The result is a more energy-efficient structure.

### Product Attributes

- Compounds liquefy and solidify at pre-Set temperature range
- 100% recyclable and biodegradable
- Reduces overall energy use
- Can be retrofitted
- Non-toxic
- Available for LEED qualifications



Phase Change Material can be optimized when installed in sheets integrated with metal panels and insulation in a complete metal roofing system.

# GREEN BUILDING



Lady Bird Johnson Middle School, Irving TX, USA featuring V-Beam, Select Series<sup>®</sup> 12 and Thin Seam

## Leadership in Energy and Environmental Design

We know that your vision for a building is about more than aesthetics. Fabral<sup>®</sup> provides a full range of systems and components that can help earn LEED<sup>®</sup> points. Our metal roof and wall panels offer superior durability for a more sustainable life cycle. Most substrates are recycled and easily recyclable.

High Definition Coating systems allow many of our colors to reflect significant amounts of heat away from the structure. Many Fabral<sup>®</sup> panels have earned ENERGY STAR<sup>®</sup> approval.



## Recyclable

- Most substrates are made from recycled metal
- Metal panels are easy to recycle
- Recycling one ton of steel saves 2500 lbs of iron ore, 1400 lbs of coal and 120 lbs of limestone

## Cool Colors

- HD Coatings reflect significant amounts of UV rays
- Many panels are ENERGY STAR<sup>®</sup> approved

# COPPER FABRICATION

The CopperCraft line of architectural sheet metal products includes chimney pots, cupolas, dormers, louvers, spires and finials and is available nationwide.



H 52 1/8"  
BISHOP

H 38 5/8"  
BISHOP II

H 38 5/8"  
ROUND

H 43 3/4"  
KNIGHT

H 38 3/8"  
KNIGHT II

H 44 3/4"  
SQUARE

H 35 1/2"  
OCTAGON

H 25 3/4"  
PAWN

## An Impressive Statement

Chimney pots give your design the edge you crave while protecting the interior from pests and water. With a variety of styles, sizes and finishes, Fabral® makes an impressive statement.

H 47 3/4"  
KING

H 41 1/8"  
QUEEN





## Architecturally Designed

Fabral® by CopperCraft offers high-quality sheet metal. CopperCraft combines old world craftsmanship with modern day technology and equipment, adding distinct design appeal to any application.

# STRUCTURAL MEMBERS



## Structural Secondary Framing

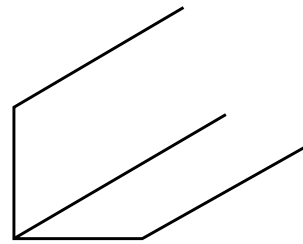
Fabral® manufactures a full line of light gauge cold-formed steel sections for use in secondary framing applications. Steel sections provide economic secondary structural framing for pre-engineered metal buildings, carports, canopies, walkway covers, parking covers and eyebrow canopies. They are also used as the primary structural framing of single story mini-storage structures.

Fabral's manufacturing capabilities produce Zee purlins to symmetrical or asymmetrical designs. Eave Struts can be produced for high and low eaves and are available in single and double slope configuration. Standard purlin punching patterns include A, B, C, G and H web punching which allows for simple span, short lap and long lap conditions. Custom punch patterns and custom shapes are available; please consult your Fabral representative for details.

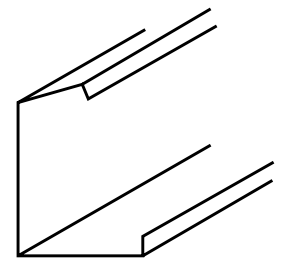
### Structural Member Benefits:

- Made to order
- ASTM A570 and ASTM A653 qualified
- Full range of sizes and shapes
- Wide variety of punch patterns and hole sizes available
- Complete inventory of accessory parts

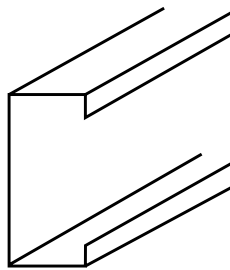
To learn more about the Structural Members offering, visit [Fabral.com](http://Fabral.com).



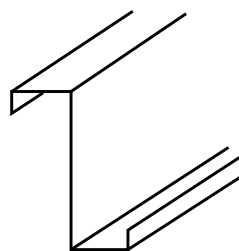
Angles



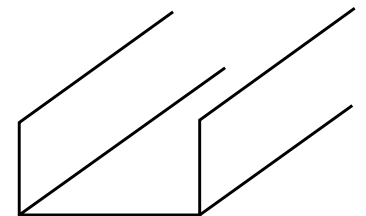
Eave Strut



Cee

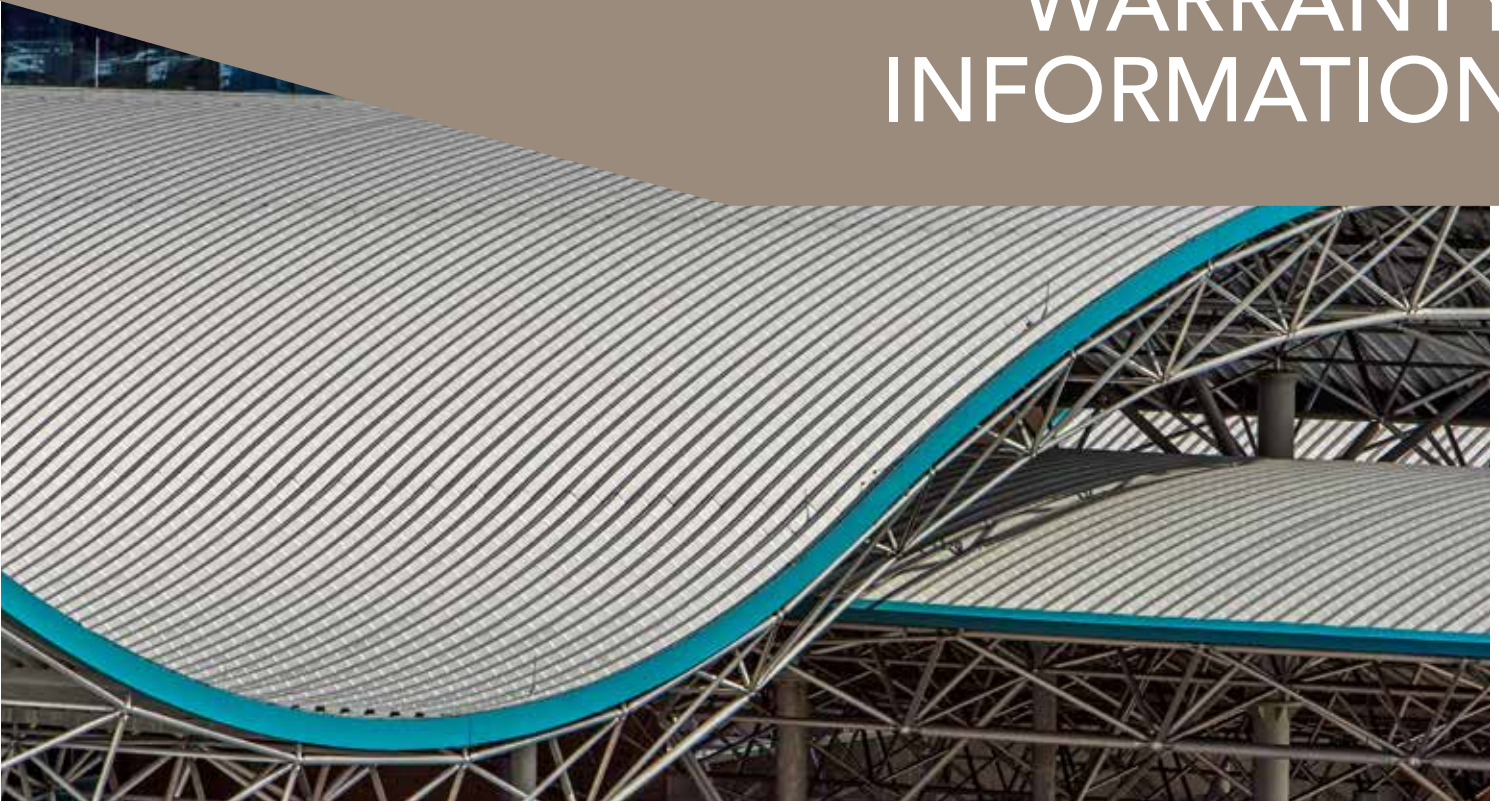


Zee



Channel

# WARRANTY INFORMATION



## Product Performance You Can Rely On

You design buildings to stand the test of time. We understand this means you need products you can rely on. Fabral understands you need products you can rely on. And we know what you need to make them last. That's why we've customized our warranty offerings to fit the needs of each product.

- Extensive Product Testing for Performance Insurance
- 30-year Paint Finish Warranty
- Wide Selection of Weathertightness Warranties
- 20-year Corrosion Warranties Available for Galvalume and Aluminum Substrates

### **30 Year Paint Finish Warranty:**

Fabral® provides a twenty (30) year warranty on the paint finish covering chalking, cracking, checking, chipping, blistering, peeling, flaking and fading.

### **Weathertight Warranty:**

Fabral® also offers a weathertight warranty, ensuring total peace of mind. Once a project is approved for a weathertight warranty, the project specifications (if applicable) must be purchased from Fabral® and must include the following items:

- Peel and stick underlayment
- Synthetic underlayment and its associated fastener
- Panel associated trim pieces
- Snow retention systems (snow guards or snow rails) and their associated fasteners
- Panel clips and attachment fasteners

The following products qualify for the Weathertight Warranty:

- Stand N Seam®
- PowerSeam™
- Slim Seam®
- Thin Seam
- 2 1/2" SSR
- IP Seam



# FABRAL<sup>®</sup>

METAL WALL AND ROOF SYSTEMS

Fabral.com  
800.884.4484