

METAL ROOF & WALL SYSTEMS

ARCHITECTURAL DESIGN SOLUTIONS
DIVISION 7





STANDING SEAM PANELS

POWERSEAM™/POWERSEAM™ II	1
SLIM SEAM®	3
STAND 'N SEAM®	5
THIN SEAM	7
TWIN-FOLD II	9

EXPOSED FASTENER PANELS

1/2" CORRUGATED	11
7/8" CORRUGATED	13
4" RIB.....	15
DEEP RIB IV	17
FABRIB	19
HEFTI-RIB®/HEFTI-RIB 288	21
PBR/PBU	23
V-BEAM	25

CONCEALED FASTENER PANELS

DÉCOR-FLUSH® II	27
SELECT SERIES® 12	29
SELECT SERIES® 612	31
SILHOUETTE HCF SERIES.....	33
EDGE METAL	35



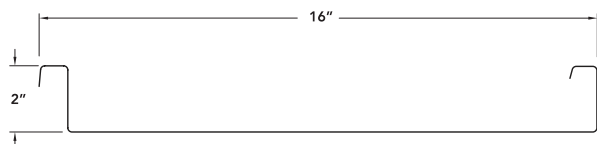
EASTON ARCHERY CENTER, CHULA VISTA, CA

For the indoor archery range, where even the slightest air movement from an HVAC unit can cause a major disturbance for athletes, the design team needed a roofing solution that would aid in climate control and fit the curved radius, PowerSeam™ accomplished that.

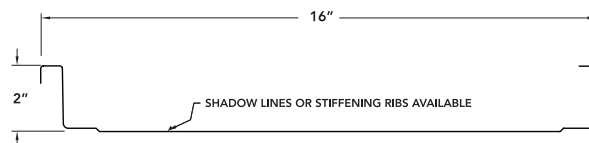
POWERSEAM™ / POWERSEAM™ II

Fabral® PowerSeam™ and PowerSeam™ II are high-performance, mechanically seamed structural standing seam roof panels, offering exceptional strength and spanning capabilities. Engineered for versatility, they are well-suited for a broad range of projects. With a variety of color options available across all Fabral® products, these panels are designed to excel in even the most demanding applications.

POWERSEAM™



POWERSEAM™ II



PRODUCT DESCRIPTION

Acceptable Product: Fabral® PowerSeam™/PowerSeam™ II

Air Infiltration: ASTM E283..... 0.01 cfm/ft² @ 15 psf

ASTM E1680 0.01 cfm/ft² @ 20 psf

Water Penetration: ASTM E331..... No Water Leakage @ 6.24 psf

ASTM E1646 No Water Leakage @ 20 psf

ASTM E2140 No Leakage of Standing Water

Wind Uplift: ASTM E1592 Test Results Vary Depending on Gauge & Panel Thickness

UL580 Class 90, #90, 176, 180, 238, 548, 549

FM* 1-60, 1-75, 1-90, 1-120, 1-165, 1-180

Class 4 Impact: UL2218

Class A Fire: UL790

FL Approved* *FM and FL Approvals on PowerSeam™ Only.

WIND UPLIFT LOAD TABLE (PSF) DOUBLE LOCK

SUBSTRATE	WIDTH	SPAN	1'-0"	1'-3"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24 ga. Steel	16"	3+	-	107	103	94	84	75	66	57	47	38
22 ga. Steel	16"	3+	-	122	118	109	101	92	83	75	66	57
.040" Alum.	16"	3+	157	148	140	122	104	87	69	52	-	-

DESIGN INFORMATION

- 90° and 180° Seaming Available
- Tapering Options Available
- Striations & Shadow Lines Available (Varies by Facility)
- Factory or Field-forming available in 12", 16", 18"
- Factory Applied Sealant
- Substrates: .032" and .040" Alum./24 & 22 Ga Steel
- Max. Panel Length: Factory Forming Option 47'
- Min. Panel Length: 6'
- Roof Slope: Minimum Required - 1:12

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

Industrial	Honda Transmission Manufacturing	Russel Point, OH	SRS, Inc
Education	Lee County School District	Fort Myers, FL	Crowther Roofing
Government	Hanger 753, Langley Air Force Base	Hampton, VA	Roof Services Corp.
Transportation	Delta County Airport	Escanaba, MI	Lindemann Group, Inc



CROSSWAY CHURCH, MILLERSVILLE, PA

This high performance, green building design demonstrates a multitude of resourceful strategies such as spatial flexibility, innovative environmental comfort systems, natural daylight techniques, and eco-friendly product selection.

SLIM SEAM®

With superior strength and spanning capability, Fabral® Slim Seam® is a high-performance structural standing seam roof panel. Slim Seam® features a unique one-piece stainless steel clip system that allows unlimited thermal movement and reduces panel pan uplift under negative load. This standing seam roof panel, available with the limitless color options inherent to all Fabral® products, is primed for use in demanding applications from healthcare to government.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Slim Seam®

Air Infiltration: ASTM E1680 No Air Penetration @ 20 psf
 ASTM E283..... 0.09 cfm/ft² @ 1.57 psf, 0.21 cfm/ft² @ 6.24 psf

Water Penetration: ASTM E1646 No Water Leakage @ 12 psf
 ASTM E331..... No Water Leakage @ 25 psf

Wind Uplift: ASTM E1592 Test Results Vary Depending on Gauge & Panel Thickness
 UL580 Class 90, #274, 274A, 369

Class 4 Impact: UL2218

Class A Fire: UL790 TX Dept of Insurance Approved. FL Approved.

WIND UPLIFT LOAD TABLE (PSF)

SUBSTRATE	WIDTH	SPAN	2'-6"
24 ga. Steel	16"	3	48

DESIGN INFORMATION

- 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'
- Roof Slope: Minimum Required - 1:12

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Government	Keesler AFB Technical Training Facility	Biloxi, MS	Anderson & Associates, Inc
Recreation	Nordstrom's	Paramus, NJ	Custom Specified Products
Healthcare	North Carolina Cancer Center	Raleigh, NC	N.B. Handy Co
Office Building	Marketable Enterprises, Building A & B	Palm Court, FL	B & B Wholesale Metal



GEORGIA TECH INDOOR FOOTBALL FACILITY, ATLANTA, GA

Georgia Tech 3.5 million indoor football facility was built in 2011 and serves as a practice building for the football team and cheerleading squad. Fabral® Stand 'N Seam® was the perfect solution for the roofing.

STAND 'N SEAM®

Fabral® Stand N' Seam® provides the answer to the most demanding roof applications. This high-performance, structural roof system boasts the highest wind uplift resistance of any standing seam panel system. A unique one-piece stainless steel clip allows controlled thermal movement. Continuous length panels can be factory or field-formed, without unsightly end laps.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Stand 'N Seam®

Air Infiltration: ASTM E1680 No Air Penetration @ 20 psf

ASTM E283 0.006 cfm/ft² @ 20 psf

Water Penetration: ASTM E1646 No water leakage @ 20 psf

ASTM E331 No water leakage @ 20 psf

ASTM E2140 No Leakage of Standing Water

Wind Uplift: ASTM E1592 Test Results Vary Depending on Gauge & Panel Thickness

UL580 Class 90, #275, 275A, 275B, 319

Class 4 Impact: UL2218

Class A Fire: UL790 Miami Dade NOA (Steel & Aluminum)

WIND UPLIFT LOAD TABLE (PSF)

SUBSTRATE	SPAN	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24 ga. Steel	16"	96	90	85	80	75	70
22 ga. Steel	16"	121	114	107	101	94	88
.032" Alum.	16"	67	63	59	55	51	48
.040" Alum.	16"	82	79	76	73	70	67

DESIGN INFORMATION

- Highest Wind-uplift Resistance of Any Standing Seam Panel on the Market
- Unrestricted Thermal Movement
- Double Lock-seamed Side Joints
- Factory Formed to 12" & 16", Field Formed to 16"
- Substrate: .032" and .040" Aluminum and 24 and 22 Gauge Steel
- Max. Panel Length: Factory Forming Option 47'
- Minimum Panel Length: 6'
- Roof Slope: Minimum Required - 1/2 :12
- Factory Applied Sealant

INSTALLATION GUIDE

Stand 'N Seam® panels are only recommended for siding, fascias, or soffits and should only be installed vertically for wall applications. Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	Indoor Football Georgia Tech	Atlanta, GA	Knight Architects
Education	Kress Event Center, University of WI	Green Bay, WI	Kahler Slate /Zimmerman Design Group
Government	Lee County Healthcare Center	Cape Coral, FL	Orion Associates, Inc.
Religious	First Baptist Church of Woodstock	Woodstock, GA	Architectural Product Specialists, Inc.
Education	University of Wisconsin	Green Bay, WI	Kahler Slater/Zimmerman

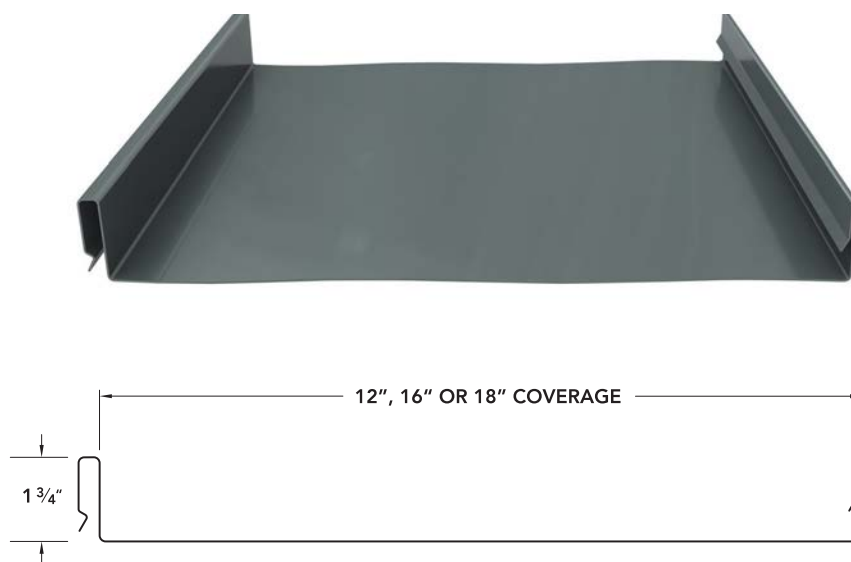


HOLY FAMILY CATHOLIC CHURCH, WOODRUFF, WI

This Wisconsin church wanted a roof that was durable and sustainable. Also, Holy Family Catholic Church wanted a roof that complemented the stone and wood structure. Fabral® Thin Seam panels were the answer.

THIN SEAM

Thin Seam is an engineered, snap-together panel that combines classic design and high performance. Panel seams snap together for easy installation with no mechanical seaming tools required. With standard 12", 16", and 18" widths available, panels can be tapered and installed over open framing or solid substrates. Stiffening ribs or shadow lines are available to meet various aesthetic and performance requirements.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Thin Seam

Air Infiltration: ASTM E283..... .009 @ 6.24 psf

Water Penetration: ASTM E331..... No Water @ 15 psf

Wind Uplift: ASTM E1592 Test Results Vary Depending on Gauge & Panel Thickness
UL580 Class 90, #303, 359, 359A, 343, 417

Hail Resistance: UL2218, Class 4

Fire Resistance: UL790, Class A

FL Approved

WIND UPLIFT LOAD TABLE (PSF)

SUBSTRATE	SPAN	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24 ga. Steel	18"	30.30	30.18	30.06	29.94	29.82	29.70
22 ga. Steel	18"	48.48	44.81	43.76	42.71	41.66	40.61

DESIGN INFORMATION

- Unlimited Thermal Movement
- Factory or Field-forming
- Striations & Shadow Lines Available
- Tapering Options Available
- Factory Applied Sealant
- Substrate Offering: .032" and .040" Aluminum and 24 Gauge and 22 Gauge Steel
- Max. Panel Length: Factory Forming Option 47'
- Minimum Panel Length: 6'
- Roof Slope: Minimum required - 1:12

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	Kennesaw State University Soccer Stadium	Kennesaw, GA	Gregory T Sweeny, Rossetti
Recreation	Mt. Washington Recreation Center	Cincinnati, OH	Norrenbrock Co Inc.
Industrial	4.0 Cellar - Winery	Fredricksburg, TX	Mustard Design Architects
Education	La Grange College- Callaway Auditorium	LaGrange, GA	Perkins & Will



QUEEN ANNE'S COUNTY FAMILY YMCA

This innovative facility in Centreville, Maryland, signifies a bold stride toward delivering health and wellness services to the community. Fabral® Twin-Fold II panels were selected for this project. One Fabral® advantage is providing on-site roll-forming service to its customers.

TWIN-FOLD II

Fabral® Twin-Fold II is a mechanically seamed low profile standing seam panel. This high-performance panel is ideal for roofing applications requiring tapering to ensure a perfect fit.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Twin Fold II
 Air Infiltration: ASTM 283
 Water Penetration: ASTM 331
 Wind Uplift: UL580 & ASTM E1592
 Class 4 Impact: UL2218
 Class A Fire: UL790

WIND UPLIFT LOAD TABLE (PSF) DOUBLE LOCK

SUBSTRATE	WIDTH	SPAN	2'-0"	2'-6"	3'-0"
24 ga. Steel	18"	3+	42.6	40.8	38.9

DESIGN INFORMATION

- Panel Length: Maximum - 47' Minimum - 6'
- Standard Panel Width: 12", 16", 18"
- Minimum Pitch: 1:12
- Tapering Options Available
- Purlin Spacing Max 3'
- Shadow Lines and Stiffening Ribs Available
- Factory Applied Sealant

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

MATERIAL TABLE

SUBSTRATE	PANEL WIDTH	COIL WIDTH	WEIGHT/SQ. PAINTED
22 ga. Steel	12"	15.75"	161.65 lbs.
22 ga. Steel	16"	19.75"	152.02 lbs.
22 ga. Steel	18"	21.75"	148.81 lbs.
24 ga. Steel	12"	15.75"	127.38 lbs.
24 ga. Steel	16"	19.75"	119.79 lbs.
24 ga. Steel	18"	21.75"	117.27 lbs.
.032 Aluminum	12"	15.75"	58.48 lbs.
.032 Aluminum	16"	19.75"	55.01 lbs.
.032 Aluminum	18"	21.75"	53.84 lbs.

1/2" CORRUGATED

EXPOSED FASTENER PANEL

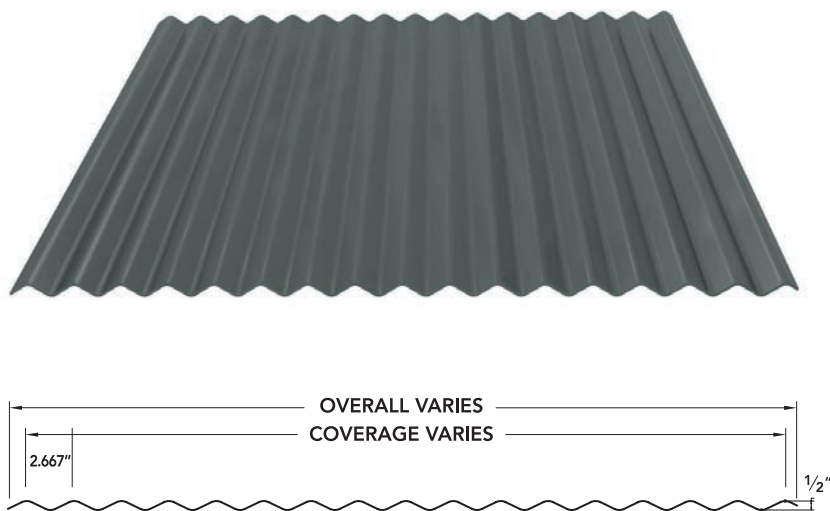


GLEN OAKS COMMUNITY COLLEGE, CENTREVILLE, MI

The science addition for the college is a 1-story classroom and science lab expansion to the original campus building. Fabral's 1/2" Corrugated panels in a mix of Bright Silver and Pewter provide expression and identity for the building while complementing the original structure.

1/2" CORRUGATED

Fabral® corrugated panels are economical and versatile exposed fastener panels with multiple coverage and spacing options. With exceptional durability and unlimited color options, any of Fabral® corrugated panel is perfect for function and creativity. When installed vertically, the panels' construction allows them to follow every curve of your design where needed. They're suitable for use on both wall and roof applications.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® 1/2" Corrugated

Class 4 Impact: UL2218

Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
26 ga. Steel	3	127	81	56	41	32	25	-	-	-
24 ga. Steel	3	158	101	70	52	40	31	25	-	-
22 ga. Steel	3	195	125	87	64	49	39	31	26	22
20 ga. Steel	3	231	148	103	76	58	46	37	31	26
18 ga. Steel	3	299	192	133	98	75	59	48	40	33
.032" Alum.	3	159	101	70	52	40	31	25	-	-
.040" Alum.	3	198	127	88	65	50	39	32	26	-
.050" Alum.	3	246	157	109	80	62	49	39	33	27

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Required - 2 1/2:12
- Factory Curved Options
- Panel Length: Maximum - 45' Minimum - 6'
- Panel Width: Various Widths

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	South LA High School	Los Angeles, CA	Richard L Lofton Co, Inc.
Transportation	Congress Parkway Bridge	Chicago, IL	Crown Corr, Inc
Recreation	Evansville Arena	Evansville, IN	Richard L Lofton Co, Inc.



ALLEGAN WATER TREATMENT FACILITY, ALLEGAN, MI

"For the Allegan Water Treatment Plant, we conceived a barn-like feel to fit the context of the surrounding pastoral landscape. Metal was the first material that came to mind with its durability, low maintenance and color availability." – Jane M. Graham, A.I.A, Hubbell, Roth & Clark, Inc.

7/8" CORRUGATED

Fabral® corrugated panels are classically designed exposed fastener panels with multiple coverage and spacing options. With exceptional durability and unlimited color options, any of Fabral's corrugated panels would be perfect for function and creativity. When installed vertically, the panels' construction allows them to follow every curve of your design where needed. They're suitable for use on both wall and roof applications.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® 7/8" Corrugated

Class 4 Impact: UL2218

Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
24 ga. Steel	3	163	120	92	72	59	49	41	35	30
22 ga. Steel	3	200	147	112	89	72	59	50	43	37
20 ga. Steel	3	235	173	132	104	85	70	59	50	43
18 ga. Steel	3	289	212	163	128	104	86	72	62	53
.032" Alum.	3	134	98	75	59	48	40	33	29	25
.040" Alum.	3	168	124	95	75	61	50	42	36	31
.050" Alum.	3	211	155	118	94	76	63	53	45	39
.050" Alum.	3	246	157	109	80	62	49	39	33	27

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Required - 2 ½:12
- Factory Curved Options
- Panel Length: Maximum - 45' Minimum - 6'
- Panel Width: Maximum - 48" Minimum - 26"

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Healthcare	Lakeland Regional Medical Center	Lakeland, FL	Cladding Systems
Education	Marshall High School	Bend, OR	Central Oregon Roofing
Education	Constantine High School	Constantine, MI	Architectural Glass & Metals, Inc.
Mixed Use	Givens Estates	Asheville, NC	N.B. Handy Co

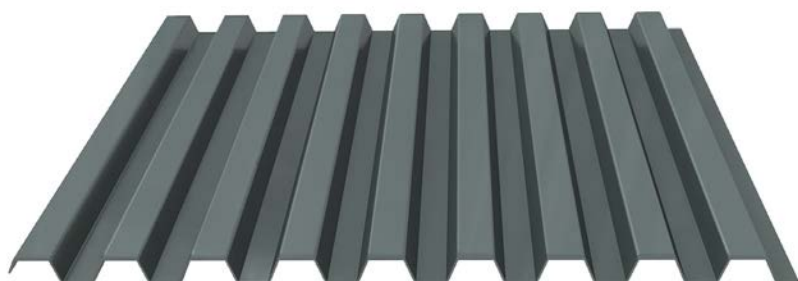


KENNESAW STATE UNIVERSITY SOCCER STADIUM, KENNESAW, GA

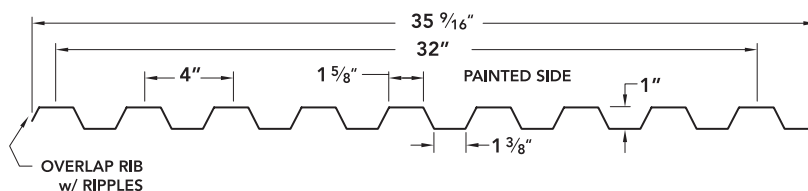
Completed in record time, over 200 squares of 4" Rib® panels were used in a custom black to match the school's color and reflect the surrounding mountains.

4" RIB

A classically designed exposed fastener panel with 4" Rib® spacing, exceptional durability, and unlimited color options. 4" Rib® is a preferred choice for function and creativity. The unique construction allows panels to follow every curve of your design. It's suitable for both wall and roof applications. 4" Rib® can be applied only on siding in vertical and horizontal orientations.



44 3/8" COIL



PRODUCT DESCRIPTION

Acceptable Product: Fabral® 4" Rib

Class 4 Impact: UL2218

Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
26 ga. Steel	3	58	43	33	26	-	-	-
24 ga. Steel	3	58	42	32	26	-	-	-
22 ga. Steel	3	78	57	44	35	28	23	-
20 ga. Steel	3	96	71	54	43	35	29	24
18 ga. Steel	3	126	93	71	56	45	38	32
.032" alum.	3	53	39	30	23	-	-	-
.040" alum.	3	73	53	41	32	26	22	-
.050" alum.	3	97	71	55	43	35	29	24

Note: Allowable loads based on AISI and Aluminum Association Specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Required - 2 ½:12
- Panel Length: Maximum - 45' Minimum - 6'
- Panel Variation 8" Rib is Available

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	Kennesaw State University Soccer Stadium	Kennesaw, GA	Gregory T Sweeny, Rossetti
Industrial	C.E. Storage Building - Air National Guard	Lincoln, NE	Caspers Construction
Religious	Mt Bethel United Methodist Church	Marietta, GA	Orion Associates, Inc
Office Building	Tumwater Office Building	Tumwater, WA	Northshore Sheet Metal

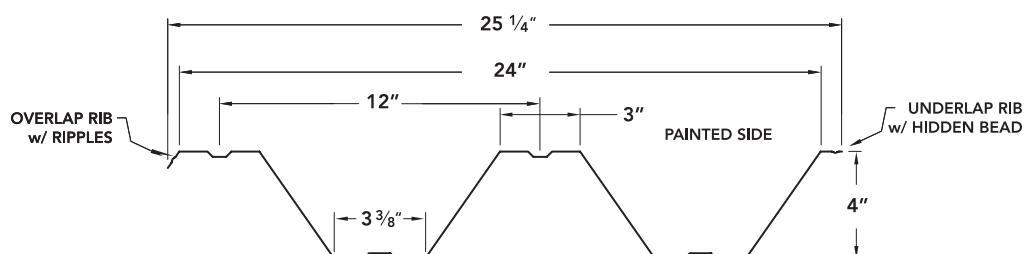
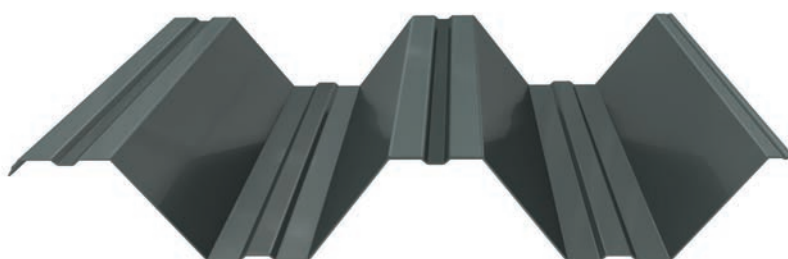


LYNX REGIONAL TRANSPORTATION AUTHORITY, ORLANDO, FL

The Florida Regional Transportation Authority, provides bus transit service for Orange, Seminole, and Osceola counties. The undulating space-frame roofs are clad in Fabral® Deep Rib IV custom curved metal panels to protect the platforms from the elements.

DEEP RIB IV

Fabral® Deep Rib IV panel is a boldly designed exposed fastener panel for a dramatic finished look. With exceptional durability and unlimited color options, Fabral's Deep Rib IV panel is the perfect choice for function and creativity. The construction of the Deep Rib IV panels, with its 4" deep ribs, provides excellent strength and spanning capacity when installed on your project.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Deep Rib IV

Class 4 Impact: UL2218

Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"
22 ga. Steel	3	125	103	94	74	64	55	49
20 ga. Steel	3	146	121	110	93	74	65	57
18 ga. Steel	3	182	151	127	108	93	81	67
SUBSTRATE	SPAN	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"
.032" Aluminum	3	217	139	97	71	54	43	35
.040" Aluminum	3	340	269	151	111	75	67	54
.050" Aluminum	3	526	336	234	172	131	104	84

Note: Allowable loads based on AISI and Aluminum Association Specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Required - 1:12
- Factory Curved Options
- Panel Length: Maximum - 32' (Roof) Minimum - 6'
- Panel Width: 24"

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	QTY	ARCHITECT/DISTRIBUTOR
Government	Lynx Regional Transportation Authority	Orlando, FL	917 sq	Helman Hurley Carvat Peacock
Mixed Use	Purdue Research Foundation	Lafayette, IN	234 sq	ProClad Inc.
Recreation	Grand Rapids Convention Center	Grand Rapids, MI	150 sq	Architectural Glass & Metals
Education	Auburn University Basketball Arena	Auburn, AL		360 Architecture

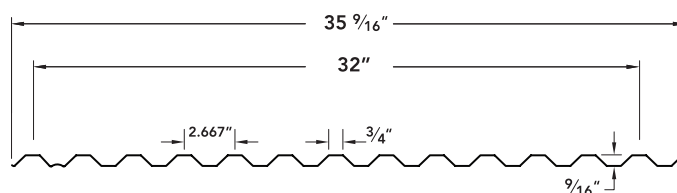


LAGO VISTA HIGH SCHOOL, LAGO VISTA, TX

As with all school construction, employing high-quality and maintenance-free building materials are a priority to withstand the elements. Fabral® FabRib was selected as the material of choice for its durability, low maintenance, and color availability.

FABRIB

Fabral® FabRib is ideal when the project calls for a low-maintenance panel. Available in aluminum and steel, Fabrib stands up to the elements with excellent fire and hail ratings, ensuring overall protection for your building. Fabral® metal panels are made from recycled content and are 100% recyclable, saving the planet's natural resources. Overall width varies based on substrate.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® FabRib
 Class 4 Impact: UL2218
 Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"
29 ga Steel	3	921	589	409	301	230
26 ga Steel	3	1311	839	583	428	328
.018" Aluminum	3	469	300	209	153	117
.021" Aluminum	3	575	368	256	188	144

Note: Allowable loads based on AISI and Aluminum Association Specifications.
 Allowable loads are based on stress only.

DESIGN INFORMATION

- Roof Slope: Minimum Recommended - 2 ½:12
- Aluminum Panel Length: Maximum - 17' Minimum - 4'
- Steel Panel Length: Maximum - 40' Minimum - 4'
- Fabrib Coverage May Vary Depending on Coil Used

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

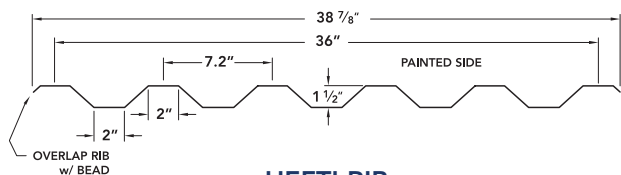
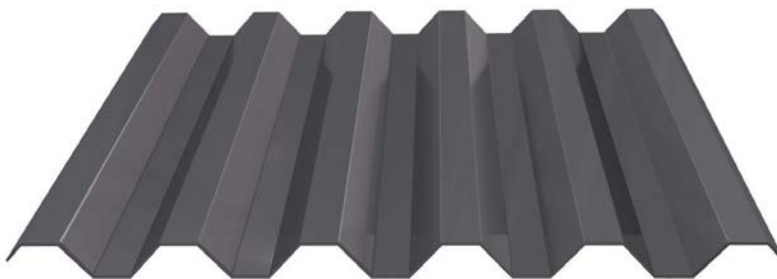


4.0 WINE CELLAR , FREDERICKSBURG, TX

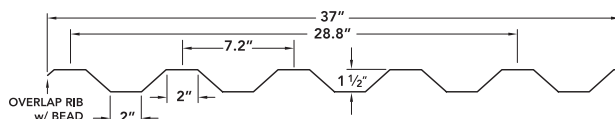
"We selected the Hefti-Rib® panel for this project to create bold shadows. It installed quickly, and was easy to acquire." – Andrew Bray, Mustard Design Architects, Principal, AIA

HEFTI-RIB® / HEFTI-RIB 288

A classic exposed fastener panel with 7.2" rib spacing, and exceptional durability and unlimited color options. Hefti-Rib® is preferred for function and creativity. The unique construction allows panels to follow every curve of your design. It's suitable for both wall and roof applications. Hefti-Rib® can be applied only in vertical and horizontal orientations on siding.



HEFTI-RIB



HEFTI-RIB 288

PRODUCT DESCRIPTION

Acceptable Product: Fabral® Hefti-Rib®
 Air Infiltration: ASTM E28300 cfm/ft² @ 20 psf
 Water Penetration: ASTM E331 No Water Leakage @ 20 psf
 Wind Uplift: UL580 Class 90, #244
 Class 4 Impact: UL2218
 Class A Fire: UL790
 FL Approved

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"
26 ga. Steel	3	133	85	59	43	33	26	-
24 ga. Steel	3	147	94	65	48	37	29	24
22 ga. Steel	3	199	127	88	65	50	39	32
20 ga. Steel	3	254	163	113	83	64	50	41
18 ga. Steel	3	379	242	168	124	95	75	61
.032" Aluminum	3	113	73	50	37	-	-	-
.040" Aluminum	3	167	107	74	54	-	-	-
.050" Aluminum	3	234	150	104	76	-	-	-

Note: Allowable loads based on AISI and Aluminum Association Specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Recommended - 2:12
- Purlin Spacing: Maximum - 5' On-center
- Panel Length: Maximum - 65' Minimum - 4'
- Factory Curved Options

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Government	Philadelphia Post Office	Philadelphia, PA	KlingStubbins
Healthcare	CDC 110 Building	Atlanta, GA	SPS Corp
Recreation	Georgia Aquarium	Atlanta, GA	Architectural Product Specialist
Industrial	Osceola Factory	Osceola, AR	Yancey & Jamieson, Inc.
Education	Val Verde Middle School	Perris, CA	Best Roofing & Waterproofing, Inc.



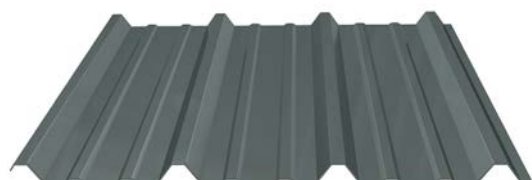
SAFEGUARD SELF STORAGE, NEW ORLEANS, LA, USA

Fabral® PBR exposed fastener panels product offering is the perfect choice for the exterior of Safeguard Self-Storage buildings and other industrial and governmental design projects.

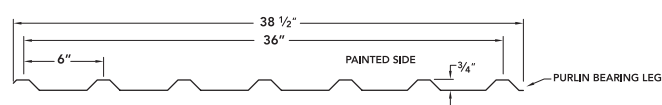
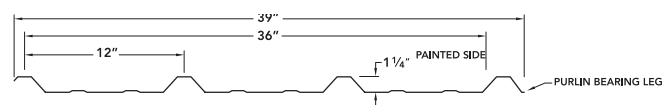
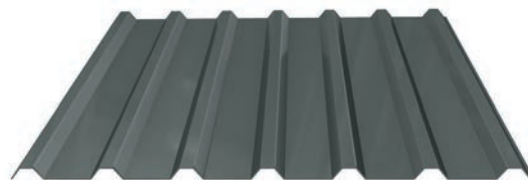
EXPOSED FASTENER ROOFING & SIDING PANEL

Fabral® PBR and PBU panels are economical and versatile exposed fastener panels for roof and wall applications. Their traditional look will add a classic touch to your project. Exceptional durability and a wide range of color options make PBR and PBU panels perfect for function and creativity. Both panels have multiple perforation options for even more design flexibility.

PBR



PBU



PRODUCT DESCRIPTION

Acceptable Product: Fabral® PBR
 Class 4 Impact: UL2218
 Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
PBR 26 GA Galvalume	3	245	170	125	96	76	61
PBU 26 GA Galvalume	3	181	126	92	71	56	45

Note: Allowable loads based on AISI specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- Roof Slope: Minimum required - 1:12 (PBR)
- Purlin Spacing: Maximum - 5' on-center
- Perforated Aluminum Available Upon Request
- Panel Length: Maximum - 45' Minimum - 6'
- Panel Width: 36" Coverage

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

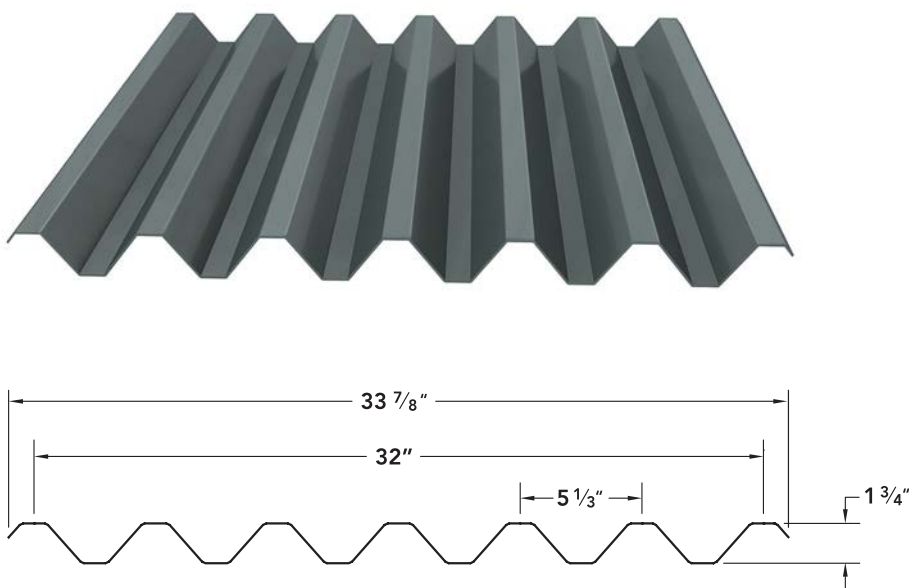


LADY BIRD JOHNSON MIDDLE SCHOOL, IRVING, TX

"Fabral® V-Beam gave us the flexibility to use two different gauges on Lady Bird Johnson Middle School. A heavier gauge was applied to the bottom of the wall for durability but without visually interrupting the design." — Matthew Nicholson, Corgan Associates

V-BEAM

With superior strength and spanning capability, Fabral® V-Beam is a high-performance panel suited for both roof and wall applications. V-Beam can be applied in vertical and horizontal orientations to optimize design versatility in siding. This exposed fastener panel, available with the unlimited color options inherent to all Fabral products, is primed for use in demanding applications such as schools likely to see excessive use and abuse.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® V-Beam

Class 4 Impact: UL2218

Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

GRAVITY LOAD TABLE (PSF)

SUBSTRATE	SPAN	4'-0	5'-0	6'-0	7'-0	8'-0	9'-0	10'-0	11'-0
26 ga. Steel	3	156	100	69	51	39	31	25	-
24 ga. Steel	3	210	134	93	68	52	41	34	28
22 ga. Steel	3	272	174	121	89	68	54	43	36
20 ga. Steel	3	324	200	144	106	81	64	52	43
18 ga. Steel	3	427	273	190	139	107	84	68	56
.032" Alum.	3	185	119	82	60	46	37	30	24
.040" Alum.	3	256	164	114	84	64	51	41	34
.050" Alum.	3	320	205	142	105	80	63	51	46

Note: Allowable loads based on AISI and Aluminum Association Specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Roof Slope: Minimum Required - 2:12
- Purlin Spacing: Consult Fabral® for Maximum Purlin Spacing
- Field Curving: Minimum Radius 200'
- Panel Length: Max. - 45' (Steel) 16' (Aluminum) Min. - 4'
- Panel Width: 32" Steel

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Government	Hickam Air Force Base	Oahu, HI	Sure Steel
Education	West End Community College	Nashville, TN	N.B. Handy Co
Government	Port of Seattle, Terminal #46	Seattle, WA	Ballard Sheet Metal
Education	Ensworth Elementary School	Bend, OR	Jica Construction LLC

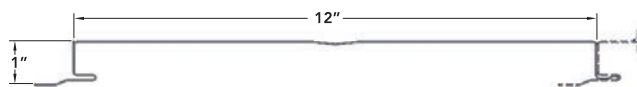
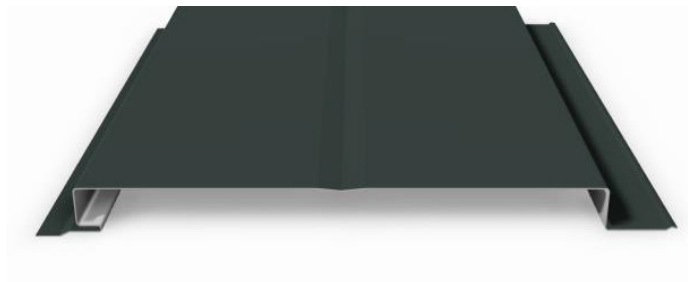


AUBURN UNIVERSITY NEVILLE ARENA, AUBURN, AL

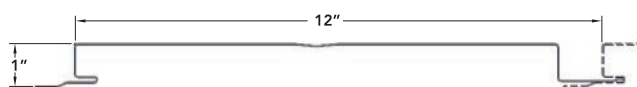
Constructed at a cost of \$86 million, Neville Arena accommodates 9,121 fans for basketball games, providing an intimate and electrifying experience for Tiger fans. Fabral® Décor Flush II panels were the ideal choice for this iconic project, delivering both aesthetic appeal and exceptional performance.

DÉCOR FLUSH II

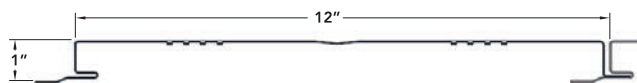
Décor Flush II panels are only recommended for siding, fascias, or soffits. When used for wall applications, Décor Flush II should only be installed vertically. Install panels plumb, level, and straight so they are watertight and without waves or other distortions, allowing for thermal movement considerations. Sealant tape or caulking should be applied as necessary at flashing and panel joints to prevent water penetration.



12" FLUSH PANEL



12" PANEL WITH 1" REVEAL



12" VENTED PANEL

PRODUCT DESCRIPTION

Acceptable Product: Fabral® Décor Flush II
 Class 4 Impact: UL2218
 Class A Fire: UL790

Wind Uplift & Fastener Spacing Calculations are Available Upon Request

MATERIAL TABLE

MATERIAL	PANEL WIDTH	COIL WIDTH	WEIGHT/SQ. PAINTED
22 ga.	12"	15.75"	161.6 lbs.
24 ga.	12"	15.75"	127.0 lbs.
0.032"	12"	15.75"	58.48 lbs.
0.040"	12"	15.75"	72.9 lbs.

DESIGN INFORMATION

- Panel Length: Maximum - 25' Minimum - 6'
- Standard Panel Width: 12"
- Custom Panel Width Available: 6" to 16"*
- Adjustable Reveal up to 1"
- In-line Venting Available in Aluminum
- Stiffening Ribs Available (with 1 or 2 ribs)
- Consult Fabral® for Available Widths or Configurations

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

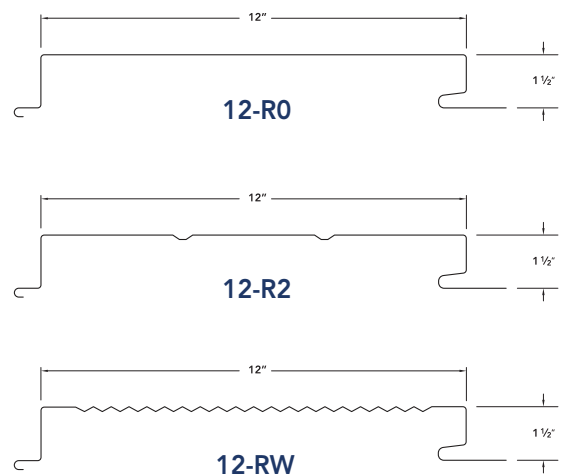


ELECTRONIC THEATRE CONTROLS, MIDDLETON, WI

As one of the world's leading entertainment and architectural lighting manufacturers, innovation is synonymous with Electronic Theatre Controls. Fabral® Select Series® 12 panels were applied as a rain screen system. Accents of colored corrugated panels traverse the exterior, adding a brilliant design element that adds a pop of color to the wall system.

SELECT SERIES® 12

Fabral Select Series® 12, a classic concealed fastener flush panel design, provides a range of profiles and configurations for architectural, commercial and industrial applications. With three options to choose from, architects and designers have at their disposal the ultimate in design versatility in a wall panel, fascia or soffit application. The Select Series® 12 panels can be mixed with Select Series® 612 for varying design elements which demonstrates a unique approach to using metal.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Select Series® 12

Air Infiltration: ASTM E283..... 0.10 cfm/ft² @ 1.57 psf
 0.25 cfm/ft² @ 6.24 psf

Water Penetration: ASTM E331 No Water Leakage @ 12 psf

Wind Uplift: UL580 Class 90, #244

Class 4 Impact: UL2218

Class A Fire: UL790

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Panel Ends can be Swaged for End Laps
- Panel Length: Maximum - 45' Minimum - 4'
- Panel Width: 12"

INSTALLATION GUIDE

Select Series panels are recommended for siding or soffits only. However, they can be installed vertically or horizontally for wall applications. Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	Skidmore College	Saratoga Springs, NY	Quality Roofing Supplies
Education	GA Tech Football Facility	Atlanta, GA	Knight Architects, Inc.
Education	Lady Bird Johnson Middle School	Irving, TX	Corgan Associates

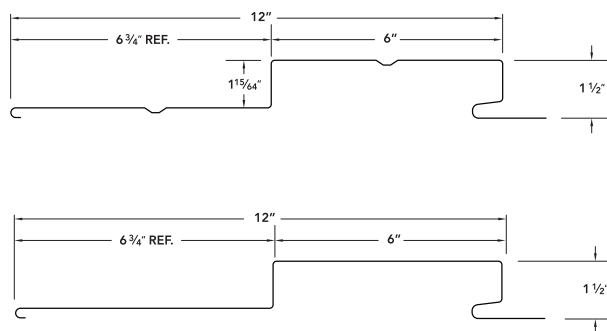


BRUCKNER'S TRUCK SALES & SERVICE, DALLAS, TX

Fabral Select Series® 612 is the perfect wall panel option when you need to add more dimension to a project. In Fabral® standard color, Old Town Gray, the Select Series panel gave this pre-engineered building a bold accent by adding it to the roofline.

SELECT SERIES® 612

Fabral Select Series® 612, a classic six up six down panel design, provides a range of profiles and configurations for architectural, commercial and industrial applications. With two options to choose from, architects and designers have at their disposal the ultimate in design versatility in a wall panel, fascia or soffit application. The Select Series® 612 panels can be mixed with Select Series® 12 for varying design elements which demonstrates a unique approach to using metal.



PRODUCT DESCRIPTION

Acceptable Product: Fabral® Select Series® 612
 Class 4 Impact: UL2218
 Class A Fire: UL790

DESIGN INFORMATION

- Perforated Aluminum Available Upon Request
- Panel Ends can be Swedged for End Laps
- Panel Length: Maximum - 45' Minimum - 4'
- Panel Width: 12" with a 6" Off-set

INSTALLATION GUIDE

Select Series panels are recommended for siding or soffits only. However, they can be installed vertically or horizontally for wall applications. Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	Dougherty High School Addition	Albany, GA	Richter Contracting Co, Inc.
Education	Stephens County High School	Toccoa, GA	Orion Associates
Retail	Musashi Auto Parts	Battle Creek, MI	Delta Design Systems Inc

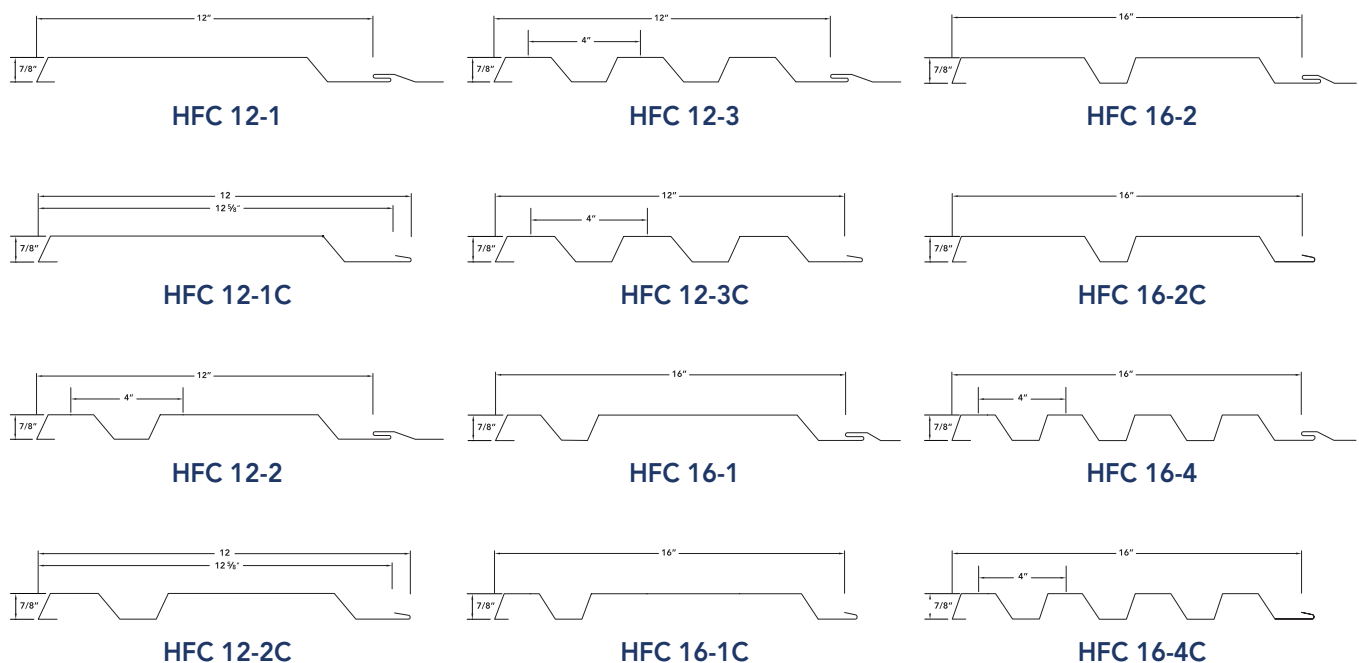


WEST GEORGIA TECHNICAL COLLEGE, NEWNAN, GA

Concealed fastener Silhouette HCF Series wall panels were applied to the walls, and they integrated seamlessly with the existing materials, windows, and other architectural elements.

SILHOUETTE HFC SERIES

This horizontal concealed fastener system provides a range of profiles and configurations for architectural, commercial and industrial applications. With one to four ribs, this strong, durable wall panel system provides design versatility and performance. An interlocking sidelap hides fasteners and can be installed with or without clips to accommodate thermal movement.



SILHOUETTE HFC SERIES

PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Acceptable Product: Fabral® Silhouette HCF Series

Air Infiltration: ASTM E283..... 0.01 cfm/ft²@ 20 psf

Water Penetration: ASTM E331..... No water leakage @ 20 psf

Structural Performance: ASTM E330..... 24 ga steel 2' spacing @ 54.55 psf

4' spacing @ 33.33 psf

.032" Alum. 2' spacing @ 48.48 psf

4' spacing @ 24.24 psf

Class 4 impact: UL2218

Class A fire: UL790

WIND UPLIFT LOAD TABLE (PSF)

SUBSTRATE	SPAN	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
24 ga. Steel	3	54	48	43	38	33
22 ga. Steel	3	60	53	48	42	37
.032" Alum.	3	48	42	36	30	24

DESIGN INFORMATION

- Multiple Panel Profiles with 12" and 16" Options
- Purlin Spacing: Maximum - 4' On-center
- Field Curving: Minimum Radius 200'
- Panel Length: Maximum - 30'
- Panel Width: 12", 16"

INSTALLATION GUIDE

Install panels plumb, level and straight so they are weathertight and without waves or other distortions that may limit thermal movement. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration. To ensure the durability of your panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

RECENT PROJECTS

SEGMENT	PROJECT NAME	LOCATION	ARCHITECT/DISTRIBUTOR
Education	West Georgia Technical College	Newnan, GA	Praxis3/MillerClapperton
Retail	Race Pace Bicycles	Ellicott City, MD	Ammon Heisler Sachs Architects/N.B. Handy, Co.
Healthcare	Hand & Microsurgery Associates	Columbus, OH	Trinity Healthcare Group
Corporate	Landmark Office Building	Wake Forest, NC	N.B. Handy Co.
Education	Lebanon Middle School	Lebanon, NH	Palace Construction, Inc.



RACE PACE BICYCLES, ELLICOTT CITY, MD

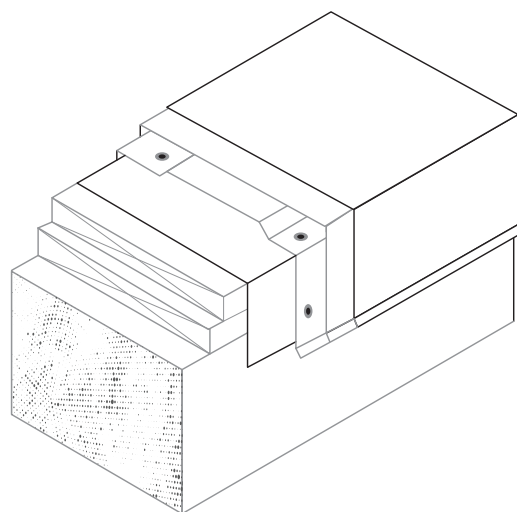
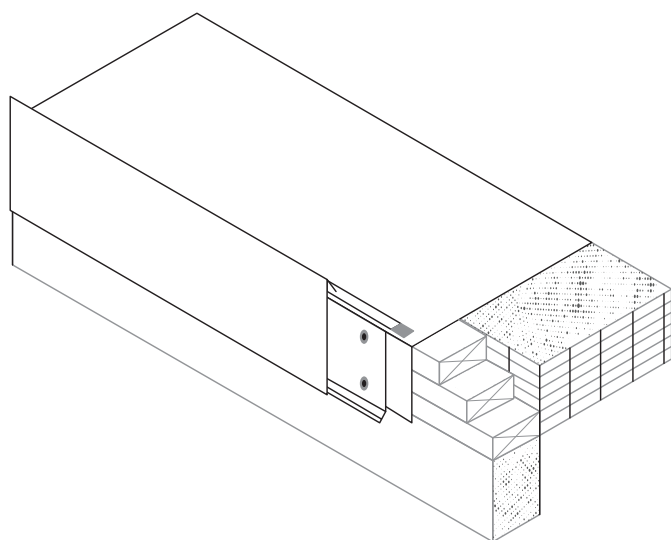
What was once a prefabricated metal warehouse and office building is now an eye-catching retail and service outlet that conveys strong brand values. This small project has had a large impact to the intersection and property value, and it has become a thriving location for active cyclists.

EDGE METAL AND COPING

For the desired look, Fabral® offers flashing, trim, and edge metals in a variety of substrates, profiles, and finishes. The easy-to-install finishing touches maintain temperature and create design distinction.

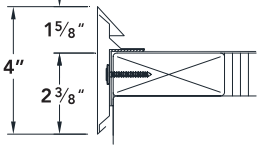
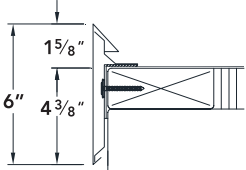
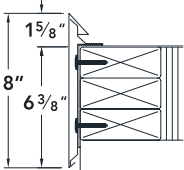
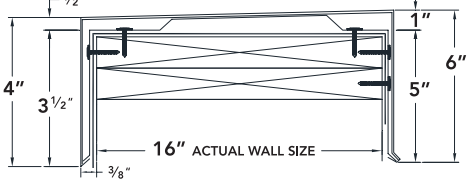
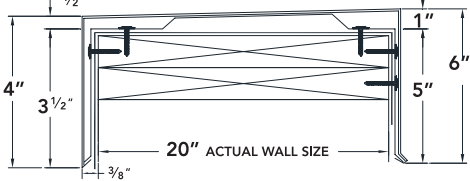
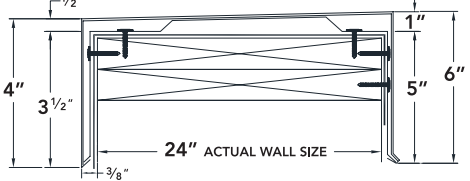
Fabral® Edge Metal is ANSI SPRI ES-1 tested and approved and includes:

- 4" Face Edge Metal
- 6" Face Edge Metal
- 8" Face Edge Metal
- 16" Coping
- 20" Coping
- 24" Coping



EDGE METAL

ANSI/SPRI ES-1 TESTING RESULTS SUMMARY

	MATERIAL				
		24 ga Steel	24 ga Steel	0.04 Alum.	.050 Alum.
4" FACE EDGE METAL 	FRONT FACE	400 PSF	500 PSF	330 PSF	430 PSF
6" FACE EDGE METAL 	FRONT FACE	320 PSF	350 PSF	320 PSF	220 PSF
8" FACE EDGE METAL 	FRONT FACE	230 PSF	250 PSF	250 PSF	230 PSF
16" COPING 	FRONT FACE TOP	61 PSF 100 PSF	73 PSF 120 PSF	61 PSF 100 PSF	67 PSF 110 PSF
20" COPING 	FRONT FACE TOP	43 PSF 70 PSF	61 PSF 100 PSF	43 PSF 70 PSF	61 PSF 100 PSF
24" COPING 	FRONT FACE TOP	37 PSF 60 PSF	49 PSF 80 PSF	37 PSF 60 PSF	43 PSF 70 PSF

MANUFACTURER LOCATIONS

PANEL AVAILABILITY VARIES BY REGION

FT. WORTH, TX[†]

300 Railhead
Ft Worth, TX 76106

LANCASTER, PA[†]

3449 Hempland Rd
Lancaster, PA, 17601

SPOKANE, WA

E 6207 Desmet Ave.
Spokane, WA 49212

GRIDLEY, IL

Route 24 West
Gridley, IL 61744

MARSHFIELD, WI

1820 East 26th
Marshfield, WI 54449

ST. JOSEPH, MN

PO Box 98
St. Joseph, MN 56374

JACKSON, GA[†]

Fabral, 308 Alabama Blvd
Jackson, GA 30233

SALT LAKE CITY, UT

1845 W 1040 S, Suite 4
Salt Lake City, UT 84104

[†] Indicates an architectural product production location.

WARRANTY INFORMATION

We want your building to stand the test of time. That's why we offer a wide variety of coverage options custom-built for each Fabral® product. From 30-year paint protection to weathertight warranties, we've got you and your project covered.

Fabral® provides a 30-year paint-finish warranty for cracking, chipping, peeling, fading and chalking, and a wide selection of weathertightness warranties are available for up to 20 years – providing confidence in a long-lasting application.

**FOR ORDERS AND INQUIRIES
CONTACT YOUR FABRAL® SALES REPRESENTATIVE**

FABRAL®
A FLACK GLOBAL METALS COMPANY

FABRAL.COM | 800-4FABRAL (432-2725)

CUSTOMERCARE@FGMFABRAL.COM