



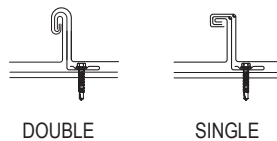
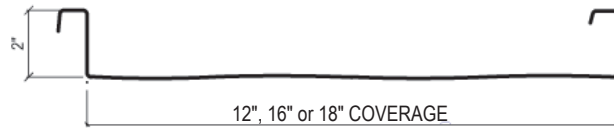
Easton Archery Center, Chula Vista, CA

*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.*

## MECHANICALLY SEAMED, STANDING SEAM ROOF PANEL **POWERSEAM**

With superior strength and spanning capability, Fabral Powerseam is a high-performance, mechanically seamed structural standing seam roof panel. With single and double locked seaming, and the ability to curve to a 10' minimum radius, Powerseam is highly optimizable for your project. This standing seam roof panel, available with the unlimited color options inherent to all Fabral products, is primed for use in demanding applications such as education and mixed use.

### POWERSEAM



*Profiles vary by region.  
Contact your sales representative for more information.*

## PRODUCT DESCRIPTION

<b>Acceptable Product:</b>	Fabral Powerseam	
<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 leakage @ 6.24 psf
	ASTM E1646	No water leakage @ 20 psf
	ASTM E2140	No leakage of standing water
<b>Wind Uplift:</b>	ASTM E1592	Test results vary depending on gauge and panel thickness
	UL580	Class 90, #90, 176, 180, 238, 548, 549
	FM*	1-60, 1-75, 1-90, 1-120, 1-165, 1-180
<b>Class 4 impact:</b>	UL2218	
<b>Class A fire:</b>	UL790	
<b>FL approved*</b>		

\*FM and FL approvals on Powerseam™ only

## WIND UPLIFT LOAD TABLE (PSF) DOUBLE LOCK

Substrate	Width	Spans	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

- Roof Slope: Minimum required - 1:12
- Purlin Spacing: Maximum – 5' on-center
- Field Curving: Minimum radius 200'
- Factory Curving: Minimum radius 10'
- Panel Length: Maximum - 65' Minimum - 4'
- Panel Width: 12", 16", 18"
- Tapering available upon request

## PRODUCT INSTALLATION

Install panels plumb, level and straight so it is watertight and without waves or other distortions, allowing for thermal movement considerations. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration.

## PRODUCT MAINTENANCE AND WARRANTY

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.

To ensure the durability of your Powerseam 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.

## PROJECTS

Segment	Project Name	Location	Architect/Distributor
Industrial	Honda Transmission Manufacturing	Russel Point, OH	SRS, Inc
Education	Lee County School District Elementary Schools	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