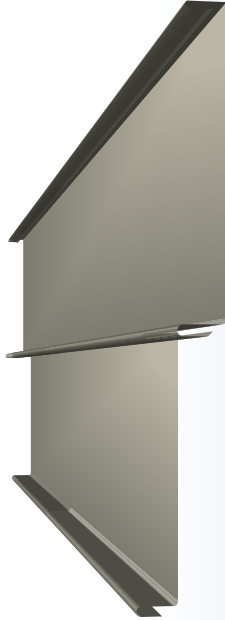


Vertical Seam

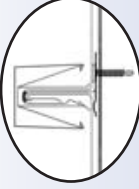
- Architectural/structural integral standing seam panel
- 12", 16", and 18" panel coverage, 1-3/4" rib height
- Gauges: 26ga and 24ga standard, 22ga optional
- Snap together panel system, minimum roof slope: 3:12
- Factory applied side lap sealant
- Concealed clip designed for thermal movement
- Accommodates up to 4" blanket insulation
- Applies over open framing or solid substrate
- Finishes: Kynar 500 (PVDF), MS Colorfast30® and ACG®
- Contact Metal Sales for additional load-carrying capabilities

*Acrylic Coated Galvalume®



Testing:

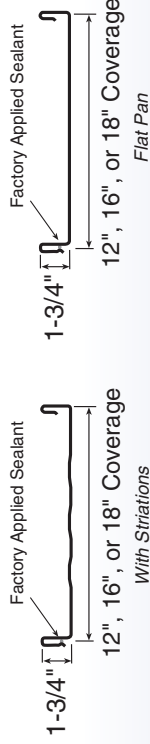
- Texas Windstorm Approved
- UL 263, Fire Resistance Rating
- UL 2218 Class 4 Impact Resistance
- Dade County Approved
- UL 790, Class A Fire Resistance Rating
- ASTM E-1680 Air Infiltration
- ASTM E-1646 Water Penetration
- CEGS-07416 US Army Corps of Engineers Rated-ASTM E-1592
- UL 580, Class 90 Wind Uplift, Construction Numbers 254, 255, 261, 303, 342, 343, 436, 445, 446, 447, 448
- Florida Building Code Approved



Vertical Seam Plus
(PLEASE INQUIRE)



Ledesma Elementary School/Soledad, CA



SECTION PROPERTIES		ALLOWABLE UNIFORM LIVE LOADS PSF ^{1,2,3,4} (3 or More Equal Spans)											
GA.	Width (in.)	Yield KSI	Weight PSF	Top in Compression ¹		Bottom in Compression ¹		Inward (Gravity / Deflection) Load ^{2,4}		Outward Uplift (Stress) Load ²			
				I _{xx} In ² /ft	S _{xx} In ³ /ft	I _{xx} In ² /ft	S _{xx} In ³ /ft	2.5'	3'	3.5'	4'	4.5'	5'
24	12"	50	1.46	.1158	.0010	.0533	.0557	199	140	104	80	63	51
24	16"	50	1.35	.0608	.0606	.0398	.0419	150	105	78	60	48	39

1. Theoretical section properties have been calculated per AISI 1996. "Specifications for the design of cold formed steel members," I_{xx} and S_{xx} are effective section properties for deflection and bending. 2. Tabulated gravity loads are allowable loads calculated in accordance with AISI 1996 specifications considering bending, shear, and combine stresses. (Combined bending and web crippling is omitted per AISI section C.3.5). Gravity Load considers worst of 3 and 4 multiple equal span condition. Panel weight has not been accounted for in gravity load tables. Allowable loads do not address web crippling requirement or fastener/support connection. 3. Allowable wind uplift loads have been increased by 33-1/3% and are based on AISI 1996 "specifications for the Design of Cold Formed Steel Members." Note: During uplift or suction condition panel flat will deflect due to upward load changing shape and reducing these loads. Contact Metal Sales Technical Services for ASTM E-1592 uplift design loads. 4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.