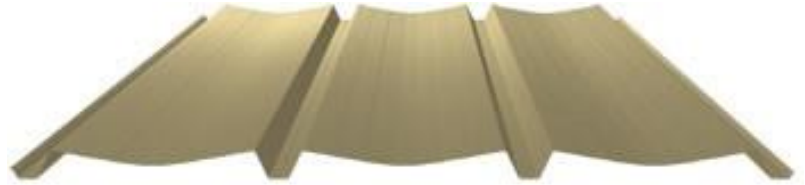# Valley Steel Buildings Group A-Panel Metal Wall Panel System

The architectural features of the A-Panel wall make it ideal for fascias and decorative wall designs. The recessed fasteners provide a clean exterior appearance, and the deep rib configuration creates an attractive shadow pattern. Fasteners for are semi-concealed.

Panel Credentials

- ASTM E283 Test Method for Determining Air Leakage Through Wall Systems
- ASTM E331 Test Method for Water Penetration of Exterior Wall Systems
- State of Florida Product Approval
- UL263 Fire Tests of Building Construction and Materials
- ASTM C1363-11 Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus

Panel Specifications

Gage	Thickness (in.)	Yield (ksi)	Tensile (ksi)	Panel Wt. (psf)	I_x (Gross) (in⁴)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
						S_x (eff.) (in³)	M_a (kip-in)	S_x (eff.) (in³)	M_a (kip-in)
26	0.0177	80	82	0.86	0.0320	0.0417	1.500	0.0367	1.3167
24	0.0222	80	82	1.08	0.0400	0.0537	1.9267	0.0493	1.7700

Panel Capacity (psf)

SPAN (ft.)	26 GAGE		24 GAGE	
	Pressure[7]	Suction[4,8]	Pressure[7]	Suction[4,8]
3.0	78	72	119	75
3.5	67	62	102	64
4.0	58	54	89	56
4.5	52	48	72	50
5.0	43	43	59	45
5.5	36	40	48	41
6.0	30	34	41	38
6.5	26	29	35	35
7.0	22	25	30	32
7.5	19	22	26	28

NOTES

1. Section properties were calculated in accordance with AISI S100/CSA S136, 2016 Edition.

2. Panels were checked for bending, shear, combined bending and shear, web crippling, deflection and panel pullover.

3. Deflection is limited to Span/60.

4. Panel pullover limits are based on d'w = 0.44".

5. Thermal load has not been considered.

6. Capacities are based on a 3-span condition with equal length spans.

7. "Pressure" load is applied inward on the outer surface towards supports.

8. "Suction" load is applied outward on the inner surface away from panel supports.