

BCI

BUILDING COMPONENTS, INC.



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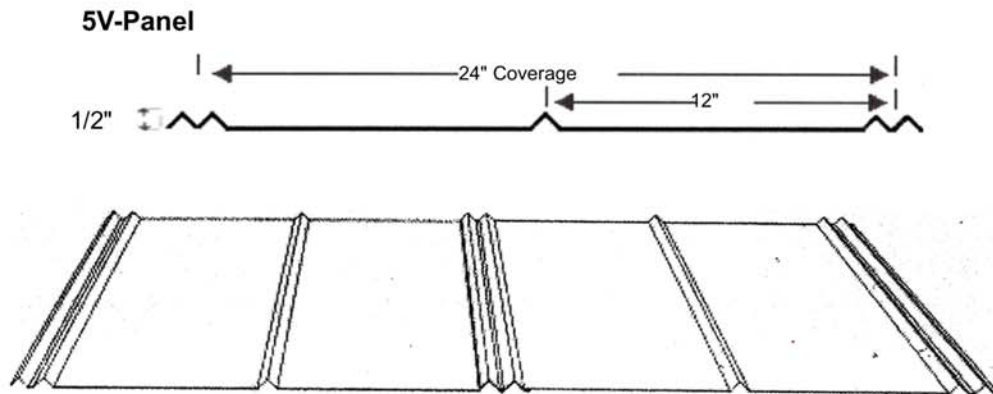
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5V-Panel

The 5V Panels are a high quality steel that provide a classic look. It's versatility makes for a great performance in nearly any style of roofing. The panels double overlap helps assure a water-tight seal. The panels should be installed over plywood and 30 lb. felt.

Features:

- 5V has 1/2" ribs on 12 inch centers.
- 24" panel coverage.
- Used for industrial/commercial, residential and agricultural applications.
- A full line of standard and custom trim items are available.
- Minimum roof slop 3:12.
- Galvalume® warranty 25 years.
- Panels are UL 2218 Class 4 Hail Impact Resistant.
- Texas Windstorm rated.



Panel Section Properties

GA.	Width (in)	Yield KSi	Weight PSF	SECTION PROPERTIES				ALLOWABLE UNIFORM LIVE LOADS PSF ^{1,2,3,4} (3 or More Equal Spans)											
				Top in Compression ¹		Bottom in Compression ¹		Inward (Gravity/Deflection) Load ^{2,4}					Outward Uplift (Stress) Load ²						
				I _{xx} In ⁴ /ft	S _{xx} In ³ /ft	I _{xx} In ⁴ /ft	S _{xx} In ³ /ft	0.75'	1'	1.5'	1.75'	2'	2.5'	0.75'	1'	1.5'	1.75'	2'	2.5'
26	24"	80	0.85	0.0025	0.0069	0.0015	0.0053	249	143	65	48	37	24	415	242	111	82	63	40

- NOTES: 1. Theoretical section properties have been calculated per AISI 1996. "Specification for the Design of Cold-Formed Steel Structural Members" I_{xx} and S_{xx} are effective section properties for deflection and bending.
2. Tabulated loads are allowable loads calculated in accordance with good engineering practices and with AISI 1996 specifications for bending stresses. Panel weight has not been subtracted from allowable gravity loads. Allowable load does not address web crippling requirement, or fastener/support connection.
3. Allowable loads are calculated in accordance with AISI 1996 specifications, and have been increased by 33 1/3% for wind uplift.
4. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
5. Note: 5V-Crimp is not recommended for open frame construction.