

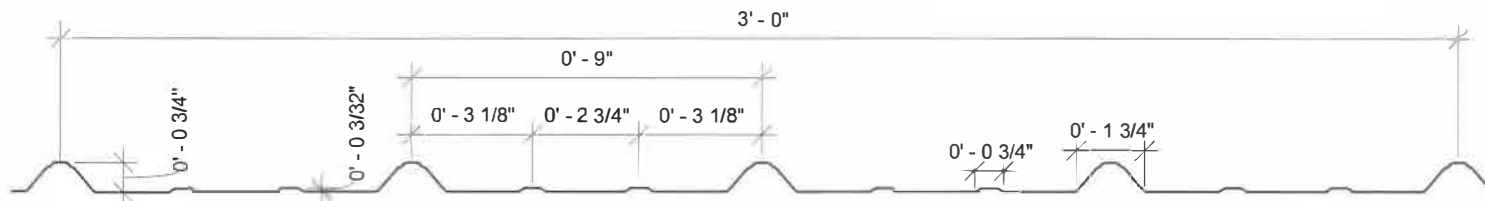
Backed by manufacturer's 40 year warranty

Available in 26 and 29 gauge

G  
rib

JAG

**"METAL PANEL INFORMATION"**



- Ceramic/Inorganic Pigmented Silicone Polyester Baked Enamel
- Urethane Primer
- Bonderizing Treatment
- Zinc/Aluminum Coating
- Steel Substrate
- Zinc/Aluminum Coating
- Bonderizing Treatment
- Urethane Primer
- Pigmented Backer



**DURABILITY** Constructed of 29 gauge high tensile steel (to ASTM A792 Grade E, 80,000 minimum yield - 82,000 minimum tensile specifications), our ribbed panels are easy to install, sturdy and weather tight. Resistance to dents plus minimal expansion/contraction properties make this steel panel and excellent investment, providing lasting protection and greater durability that will enhance all types of structure designs.

**PROTECTION** First, our #1 panel is coated with Galvalume® a patented aluminum-zinc alloy coating for extra protection. Panels are then bonderized and an AkzoNobel® urethane is applied. The primer supplies flexibility and provides an excellent base for the final coat of a ceramic/inorganic pigmented silicone polyester, which supplies strength, hardness and durability against the effects of sun, wind, rain, heat and cold. It is extremely resistant to mildew. No blistering, peeling or flaking either!

SECTION PROPERTIES										
Product Name	NOM. THICK (in.)	WT (PSF)	Fy (KSI)	NET COVERAG E (in.)	PANEL TOP IN COMPRESSION			PANEL BOTTOM IN COMPRESSION		
					Ix (in. <sup>4</sup> /fft.)	Sx (in. <sup>3</sup> /fft.)	Fb (in. /fft.)	Ix (in. <sup>4</sup> /fft.)	Sx (in. <sup>3</sup> /fft.)	Fb (KSI)
G.R.	.015	0.75	80.0	36.0	0.0075	0.0140	36.0	0.0072	0.0405	12.8
	.0198	0.94	80.0	36.0	0.0095	0.0184	36.0	0.0094	0.0623	10.3

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT																					
NOM. THICK (in.)	WIND SUCTION (UPLIFT)							LIVE LOAD (STRESS)							LIVE LOAD DEFLECTION (L/180)						
	2'	2.5'	3'	3.5'	4'	4.5'	5'	2'	2.5'	3'	3.5'	4'	4.5'	5'	2'	2.5'	3'	3.5'	4'	4.5'	5'
0.016	168	110	77	57	43	34	28	138	87	60	44	34	27	22	136	81	47	29	20	14	10
0.02	221	145	101	74	57	45	37	179	114	79	58	45	35	29	179	102	59	37	25	17	13





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**File #R27457**

## **G-Rib**

Meet UL Specifications:

### **Uplift Resistance**

(UL 580)

### **Impact Resistance**

(UL 2218)

### **Fire Exposure**

(UL 790)



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### **Uplift Resistance**

Standard UL 580 provides testing in regards to the amount of uplift resistance a roof decking panel can withstand while it is properly attached to a roofing structure. Roof decking that passes the testing criteria will be listed as either “Class 15”, “Class 30”, “Class 60” or “Class 90”. A “Class 15” rating represents nominal, static uplift-pressure resistance of 15 lbs per square foot while a “Class 90” rating represents nominal, uplift-pressure resistance of 90 lbs per square foot. ***The classified metal roof deck panels used by JAG Buildings are all classified as “Class 90”.***

### **Impact Resistance**

Standard UL 2218 provides testing in regards to impact resistance by performing tests that simulate impact similar to impact a roof decking panel might experience during the course of a hail storm or other impact. All metal roof decking material that is classified as to impact resistance will be rated as “Class 1”, “Class 2”, “Class 3” or “Class 4”. This test involves dropping steel balls of various weights from different heights. These balls are also dropped in areas that might be considered the most vulnerable to impact damage such as corners and edges. In order to obtain a “Class 1” rating, a material must be able to show damage resistance to one and one-quarter inch steel ball dropped from twelve feet. A “Class 4” classification can be attained if the material shows resistance to a two inch ball dropped from twenty feet. ***The classified metal roof deck panels used by JAG Buildings are all classified as “Class 4”.***

### **External Fire Exposure**

Standard UL 790 provides testing in regards to the ability of roof decking to withstand external fire. In order to be classified, material must show resistance to fire, resistance to slipping, and resistance to producing fire ambers. ***The classified metal roof deck panels used by JAG Buildings are all classified as to external fire exposure.***