

Rugged Rib[®]

The **BEAUTY** of Color.
The **STRENGTH** of Steel.
The **VALUE** of Durability.



American Building Components wants your building to give you years of beauty and reliability. Rugged Rib[®] panels are formed from high tensile strength, 29-gauge steel, which is protected with a Galvalume[®] coating. Our state of the art Millennium 3000[®] paint system is then applied, providing years of warranted protection for our color coated panels. Refer to ABC's published color chart to select any of our many contemporary colors. Rugged Rib[®] is manufactured for your application and is available in cut-to-the-inch lengths.



For a complete line of trim and accessories, please refer to our Trim & Accessories catalog.

* Final color selection should be made from actual color chips.
Refer to our published installation instructions for application information.

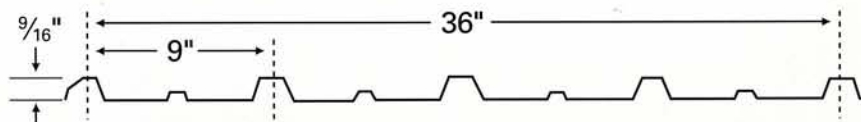
ABC AMERICAN BUILDING COMPONENTS

www.abcmetalroofing.com

- 9/16" rib with 36" coverage
- 9" rib spacing with 5 major ribs and 4 minor ribs
- Our durable baked-on paint finish
- A complete line of trim and accessories
- Anti-siphon feature
- A wide variety of beautiful colors
- Available in 29 gauge (inquire for other gauges)
- Galvanized and Galvalume®

Why American Building Components?

American Building Components manufactures a wide range of building panels in cut-to-the-inch job lot quantities. Since 1908, our large selection of panels, trim and accessories have given buildings the finished look throughout America. For excellence in Commercial, Architectural, or Residential building panels, ask for these products by name: IMPERIAL RIB®, REGAL RIB®, MONARCH RIB®, RUGGED RIB®, AMERI-DRAIN®, PERMA-CLAD®, 7/8" WIDE RIB®, or ROYAL LOCK® and SL-16®, our concealed fastener panels.



Rugged Rib® Available from Omaha, NE & Lubbock, TX

SECTION PROPERTIES								
NEGATIVE BENDING						POSITIVE BENDING		
PANEL GAUGE	WEIGHT (PSF)	FY (KSI)	I _{xe} (IN ⁴ /ft.)	S _{xe} (IN ³ /ft.)	Maxo (Kip in.)	I _{xe} (IN ⁴ /ft.)	S _{xe} (IN ³ /ft.)	Maxo (Kip in.)
29	0.84	60*	0.0044	0.0141	0.5052	0.0057	0.0124	0.4474
26	1.06	60*	0.0060	0.0197	0.7084	0.0082	0.0180	0.6484

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

- NOTES:**
1. All calculations for the properties of Rugged Rib panels are calculated in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
 2. I_{xe} is for deflection determination.
 3. S_{xe} is for bending.
 4. Maxo is allowable bending moment.
 5. All values are for one foot of panel width.

29 GAUGE		ALLOWABLE UNIFORM LOADS (PSF) IN POUNDS PER SQUARE FOOT							
Span Type	Load Type	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
Single	Negative Wind Load	84.2	53.9	37.4	27.5	21.1	16.6	13.5	
	Live Load/deflection	62.3	31.9	18.5	11.6	7.8	5.5	4.0	
2-span	Negative Wind Load	74.6	47.7	33.1	24.3	18.6	14.7	11.9	
	Live Load/deflection	70.9	46.2	32.4	23.9	18.4	13.2	9.6	
3-span	Negative Wind Load	93.2	59.7	41.4	30.4	23.3	18.4	14.9	
	Live Load/deflection	86.9	57.0	34.8	21.9	14.7	10.3	7.5	
4-span	Negative Wind Load	87.0	55.7	38.7	28.4	21.8	17.2	13.9	
	Live Load/deflection	81.7	53.4	37.0	23.3	15.6	11.0	8.0	

26 GAUGE		ALLOWABLE UNIFORM LOADS (PSF) IN POUNDS PER SQUARE FOOT							
Span Type	Load Type	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
Single	Negative Wind Load	118.1	75.6	52.5	38.6	29.5	23.3	18.9	
	Live Load/deflection	89.6	45.9	26.5	16.7	11.2	7.9	5.7	
2-span	Negative Wind Load	108.1	69.2	48.0	35.3	27.0	21.3	17.3	
	Live Load/deflection	101.7	66.5	46.7	34.6	26.6	18.9	13.8	
3-span	Negative Wind Load	135.1	86.5	60.0	44.1	33.8	26.7	21.6	
	Live Load/deflection	124.0	81.7	50.1	31.5	21.1	14.8	10.8	
4-span	Negative Wind Load	126.1	80.7	56.1	41.2	31.5	24.9	20.2	
	Live Load/deflection	116.8	76.7	53.2	33.5	22.4	15.8	11.5	

- NOTES:**
1. Allowable loads are based on uniform span lengths and Fy = 60-ksi.
 2. LIVE LOAD is limited by bending, shear, combined shear & bending and web crippling.
 3. **NEGATIVE WIND LOAD does not contain a 33.333% increase and does not consider fastener pullout or pullover.**
 4. Above loads consider a maximum deflection ratio of L/180.
 5. The weight of the panel has not been deducted from the allowable loads.
 6. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
 7. This material is subject to change without notice.
 8. See www.abcmetalroofing.com for most current information.



AZ: Phoenix (800) 481-3035 • GA: Adel (800) 877-8709
 IA: Oskaloosa (800) 345-0044 • KY: Nicholasville (800) 877-8709
 MI: Big Rapids (866) 334-4222 • MS: Jackson (800) 877-8709
 NE: Omaha (800) 228-2260 • NY: Rome (800) 544-2651
 OK: Oklahoma City (800) 228-2260 • TX: Lubbock (800) 481-3035
 UT: Salt Lake City (800) 481-3035



Call ABC for help locating a distributor near you!

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the North American Specification for the Design of Cold-Formed Steel Structural Members published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

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