



R & M STEEL CO

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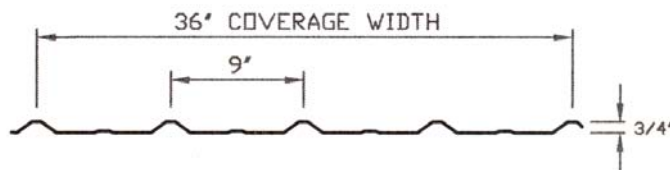
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STEEL BUILDING COMPONENTS

PRIME RIB



Material Specifications

Paint Finish: CERAM-A-STAR™ 1050
40-year SMP Paint System

Yield Strength: 80 KSI

Galvanized Steel: 29-gauge

Description

Prime Rib is a 36" net coverage steel panel with $\frac{3}{4}$ " high ribs at 9" on-center. This panel is designed for application on roof or wall sub-structural members typically at 2' to 4' on-center.



STEEL BUILDING COMPONENTS

PANEL PROFILES

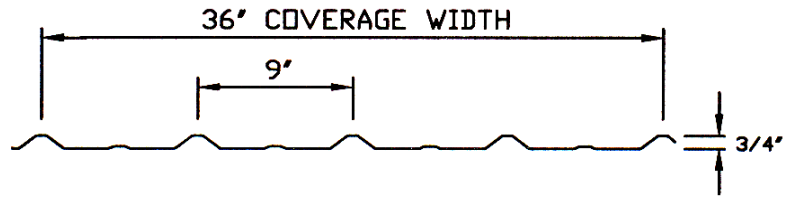
Thank you for your business.
To place an order, you may:

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PRIME RIB

Notes on Section Properties and Load Table

- Section properties and allowables are calculated in accordance with 1996 AISI Specifications.
- *I +/- is for deflection determination.*
- *S +/- is for bending determination.*
- M_a is allowable bending moment.
- All values are for one foot of panel width.
- These loads are for panel strength. Frames, purlins, fasteners and all supports must be designed to resist all loads imposed on the panel.
- Allowable outward loads based on stress have been increased by 33.33% for wind uplift.
- Allowable loads for deflection are based on deflection limitation of span/180.
- For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual "live load" carrying capacity of the panel.
- Minimum bearing length must be checked.
- Minimum deliverable bare steel thickness should not be less than 0.95 of design thickness.
- Theoretical allowable loads are based on uniform span lengths.
- LL (S) is allowable live load based on stress limitation of L/180.
- WL is allowable wind load and has been increased by 33-1/3%.



Section Properties 36" Wide, R & M STEEL CO PRIME RIB 36									
Gauge	Thickness (in.)	Weight (psf)	Yield Stress (ksi)	Top in Compression (Positive Bending)			Bottom in Compression (Negative Bending)		
				I _{xx}	S _{xx}	M _a	I _{xx}	S _{xx}	M _a
				In ⁴ /ft.	In ³ /ft.	In.kips/ft.	In ⁴ /ft.	In ³ /ft.	In.kips/ft.
29	.015	.592	80	0.0060	0.0126	0.4530	0.0060	0.0133	0.4767

Span (ft.)	Three or More Span Condition		
	29-Gauge & 80 ksi		
	LL (S) (psf)	LL (D) (psf)	OUTWARD (S) (psf)
3	41.2	36.7	39.2
4	23.2	15.5	22.1
5	14.8	7.9	14.1