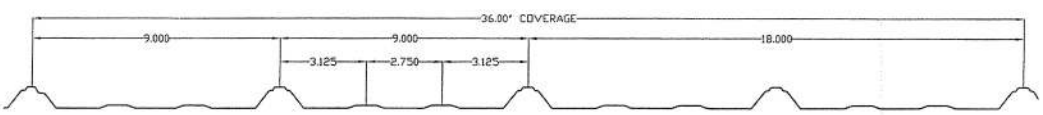
R & M STEEL COMPANY
P.O. Box 580
Caldwell, Idaho 83606

Phone: 1-208-454-1800 Toll Free: 1-866-454-1800
Fax: 1-208-454-1801 Toll Free: 1-866-454-1801

STEEL BUILDING COMPONENTS

BEST PANEL





Material Specifications

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

Yield Strength: 80 KSI

Galvanized Steel: 29-gauge

Description

Best Panel is a 36" net coverage steel panel with ¾" 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.

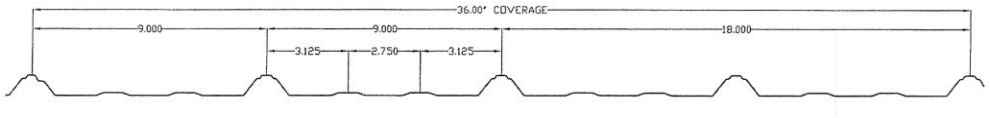
R & M STEEL CO

PANEL PROFILES

Please Fax Your Orders To Us At 208-454-1801 or Toll Free Fax 1-866-454-1801
Or Call Us At 208-454-1800 or Toll Free Phone 1-866-454-1800

BEST PANEL

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 BEST PANEL									
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