

# R-PANEL

Roofing and Siding



**Northland**  
**Steel & Trim**

## R-Panel ... traditional style and value

Northland R-Panel roofing and siding delivers special value for those commercial and light industrial applications where a crisp, handsome appearance is as important as strength and cost effectiveness.

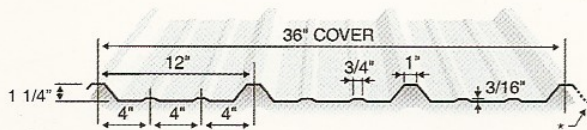
R-Panel durability begins with full hard, 80,000-plus psi, high tensile galvanized steel. Deep primary ribs and shallow ancillary ribs give it the strength to handle extra heavy snow loads; tight seams stay rigid and taut, even in high winds.

### R-Panel paint finishes are part of The System

Northland R-Panel's enhanced paint performance is a product of The System: the most tightly quality-controlled manufacturing and paint finishing process in the industry. Every step – from 100 percent American made, uniform coated galvanized steel through roll forming – is engineered to deliver roofing and siding with increased durability, a superior finish, and greater value.

### R-Panel color selection

The R-Panel color palette is varied and covers the spectrum – from bright contemporary shades to warm earth tones. All are chalk-free and exceptionally fade resistant. Because all colors are not available in all parts of the nation, we recommend contacting your local Northland representative for a color chip chart and a list of the colors available in your area.



\*R-PB (Purlin Bearing Leg) available in all colors and bare Galvalume.

## R-Panel quick specs

- Full-hard, 80,000 psi, high tensile galvanized steel.
- Popular 38" width (36" cover) in lengths from 6 through 50 feet, in even one inch increments.
- Available in galvanized G-90, Galvalume®, or in one of a selection of rich, baked-on enamel colors from The System.
- Deep trapezoidal ribs on 12" centers for exceptional strength and rigidity.
- Standard 26 and 29 gauge.
- Generous 35 year limited warranty.
- Applies over structural framing or solid substrate.
- Wide flat surface allows easy centering, quick fastening.
- Compatible trim and accessories available.

SECTIONAL PROPERTIES / FT.							
Gauge	Weight (PSF)	Top in Compression			Bottom in Compression		
		+I in. <sup>4</sup>	+S in. <sup>3</sup>	+M in-kips	-I in. <sup>4</sup>	-S in. <sup>3</sup>	-M in-kips
26	0.90	0.035	0.033	1.200	0.042	0.049	1.748
29	0.71	0.023	0.021	0.767	0.031	0.037	1.320

#### NOTES:

1. The panel sectional properties have been determined in accordance with the Specifications for the Design of Light Gauge Cold Formed Steel Structural Members, 1986 edition, and 1989 addendum, published by the American Iron and Steel Institute.
2. Property description per foot of panel width:  
I is for deflection  
S is for bending  
M is allowable bending moment.
3. Steel conforms to ASTM A653/A653M-96, SS Grade 80 with a maximum allowable bending stress of 36 KSI.

TOTAL ALLOWABLE UNIFORM LOADS - PSF FOR CONTINUOUS THREE SPAN DESIGN							
Gauge	Design Condition	Span - Ft.					
		3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
26	Stress Load	150	84	56	39	28	22
	Deflection Load	150	84	51	29	18	12
29	Stress Load	100	61	41	29	22	16
	Deflection Load	100	61	35	20	13	8

#### NOTES:

1. Stress load shown is total allowable load. Weight of panel has not been deducted.
2. Deflection loads are limited by a maximum deflection ratio of 180 or maximum bending stress when governing.
3. For positive wind loading, stress loads may be increased by 33%.
4. Load tables do not include web crippling criteria.

