

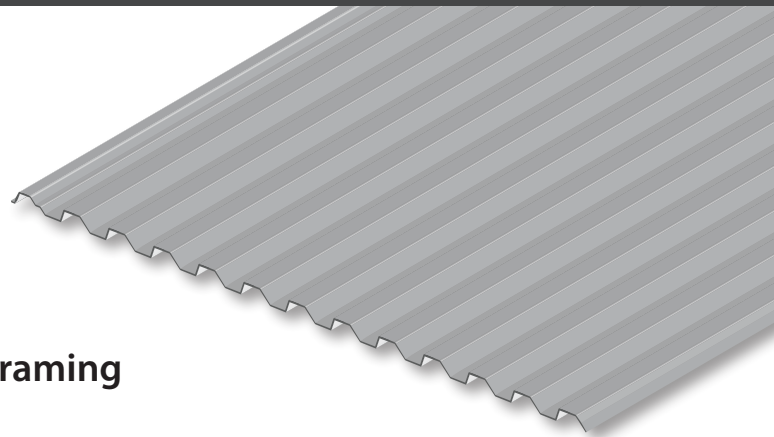
# DL-3 Panel

ms Metal Sales™



## Low Profile Roof, Wall and Liner Panel

- Trapezoidal ribs 3" o.c.
- 29 ga. standard
- Minimum roof slope 3:12
- Available in a wide variety of colors
- Installs over a solid substrate or open framing

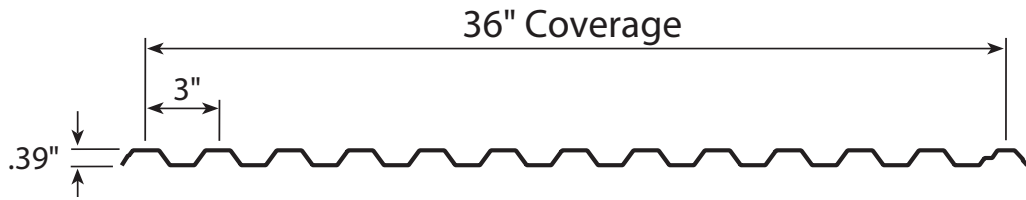
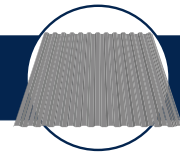


800.406.7387  
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# DL-3 PANEL

# ROOF AND WALL PANEL



## PANEL INFORMATION

- ▷ Gauge: 29 ga standard
- ▷ 36" panel coverage, 0.39" rib height
- ▷ Exposed fastened
- ▷ Trapezoidal rib on 3" centers
- ▷ Minimum roof slope: 3:12

## TESTING AND APPROVALS

- ▷ ASTM E 1592 Structural Performance

## GENERAL INFORMATION

► **Features:** DL-3 panels will not warp, split, crack or curl and are impervious to mildew, rot, termites and pests. Installation over solid substrate or open framing.

► **Substructure:** DL-3 Panel is designed to be utilized over a solid substrate or open framing. To avoid panel distortion, use a properly aligned and uniform substructure.

► **Length:** Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional considerations in packaging, shipping and erection. Please consult Metal Sales for recommendations.

► **Fasteners:** The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

► **Finishes:** MS Colorfast45® colors, Acrylic-Coated Galvalume® & Bare Galvanized.

For all specific warranty, application, installation and technical information regarding these products, contact your representative.

## LOAD TABLE

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings											
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Inward Load						Outward Load					
				Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
29	36	50	0.71	0.0050	0.0214	0.0050	0.0208	210	120	64	37	23	16	216	123	64	37	23	16

1. Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase for wind.
5. The allowable diaphragm strength for a 29 ga panel attached to 16 ga steel supports with the above fastener and fastener pattern has been calculated at 240 plf with supports at 2' oc and 90 plf with supports 4' oc using the "Diaphragm Design Manual", 3rd Edition, Steel Deck Institute.

## Metal Sales Manufacturing Corporation

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