

# 1 1/2" MECHANICAL

**METAL  
FORMED  
GOODS** COMPANY

Hilliard, Ohio

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[www.metalformedgoods.com](http://www.metalformedgoods.com)

## Advantages

- ◆ Available widths from 12" to 20"
- ◆ Can be installed on solid substrates or over open framing
- ◆ Mechanically seaming provides maximum uplift resistance
- ◆ Nominal 1 1/2" seam height with hidden fasteners
- ◆ Seams can be single or double locked
- ◆ 30 Year Finish Warranty
- ◆ 24 gauge Kynar steel standard

## Materials:

24 gauge galvanized / galvalume steel (Standard)  
22 & 26 gauge galvanized / galvalume steel  
.032 Aluminum (Kynar or Anodized)  
16 & 20 ounce copper

## Performance:

ASTM 1592 Wind Uplift  
ASTM 1680 & 283 Air Infiltration  
ASTM 1646 & 331 Water Penetration  
ASTM 330 Structural Performance  
ASTM 380 Concentrated Load Test

Load Span Table for 1 1/2" Mechanical Seamed Panel  
18.25" Width

| Material | 24 Gauge          |      |       | 22 Gauge          |       |       |
|----------|-------------------|------|-------|-------------------|-------|-------|
|          | THREE EQUAL SPANS |      |       | THREE EQUAL SPANS |       |       |
| SPAN     | W (PSF)           | RE   | RI    | W (PSF)           | RE    | RI    |
| (FT)     |                   |      |       |                   |       |       |
| 2        | 162.5             | 130  | 357.5 | 218.75            | 175   | 481.2 |
| 2.5      | 104               | 104  | 286   | 140               | 140   | 385   |
| 3        | 72.22             | 86.7 | 238.3 | 97.22             | 116.7 | 320.8 |
| 3.5      | 53.06             | 74.3 | 204.3 | 71.43             | 100   | 275   |
| 4        | 40.63             | 65   | 178.8 | 54.69             | 87.5  | 240.6 |
| 4.5      | 32.1              | 57.8 | 158.9 | 43.21             | 77.8  | 213.9 |
| 5        | 26                | 52   | 143   | 35                | 70    | 192.5 |

W = Allowable Uniform Load

RE = End Support Reaction (#/ft)

RI = Intermediate Support Reaction (#/ft)

