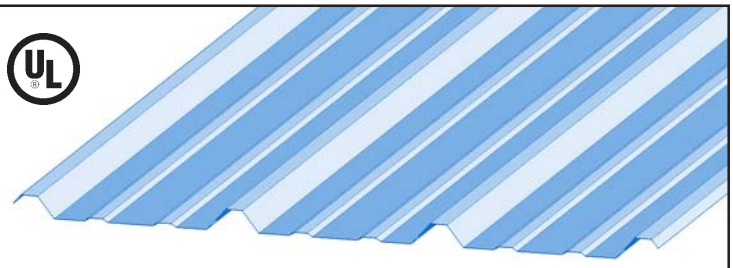
# CTMRS

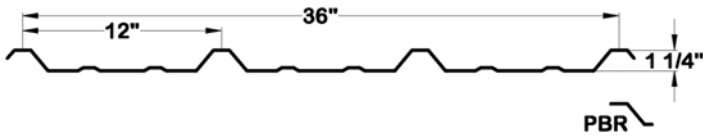
# R Panel

## Central Texas Metal Roofing Supply Co., Inc.

### Description

This versatile exposed fastener general utility panel is excellent for almost any exterior use, including industrial, residential, agricultural and light commercial wall applications. The addition of the purlin bearing rib option offers added strength for roof applications.






### Features

- Full 36" coverage with 1 ¼" deep ribs on 12" centers.
- Standard trim, flashing and accessories.
- High tensile strength steel.
- Minimum 1/12 pitch recommended.

### Performance / Testing

- UL 580 Class 90 Wind Uplift Rated.
- UL 2218 Class 4 Impact Rated.
- UL 790 Class A Fire Rated.

### Substrates and Finish

- 26, 24, 22 Ga Acrylic Coated Galvalume.
- 24 & 26 Ga SMP Color Finish.
- 24 & 22 Ga Kynar500 Color.


Austin
830 Sagebrush Drive Austin, Texas 78758
(512) 452-1515 (800) 428-7412
Fax (512) 833-7499

www.ctmrs.com

email: info@ctmrs.com

Seguin
720 West IH 10 Seguin, Texas 78155
(830) 379-3600 (877) 622-8677
Fax (830) 379-8753

CTMRS

Release: 2-3-06

# R Panel

## Central Texas Metal Roofing Supply Co., Inc.

## Uniform Load Tables in Pounds per Square Foot

| 22 GAUGE (Fy = 50KSI) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SPAN TYPE | LOAD TYPE | SPAN IN FEET | | | | | | |
| | | 3'-0" | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" |
| SINGLE | WIND LOAD | 231.1 | 130.0 | 83.2 | 57.8 | 42.5 | 32.5 | 25.7 |
| | DEFLECTION | 166.1 | 93.4 | 49.6 | 28.7 | 18.1 | 12.1 | 8.5 |
| 2 SPAN | WIND LOAD | 166.1 | 93.4 | 49.6 | 28.7 | 18.1 | 12.1 | 8.5 |
| | DEFLECTION | 163.1 | 92.5 | 59.4 | 41.3 | 30.4 | 23.3 | 18.4 |
| 3 SPAN | WIND LOAD | 207.7 | 116.8 | 74.8 | 51.9 | 38.1 | 29.2 | 23.1 |
| | DEFLECTION | 200.6 | 115.1 | 74.1 | 51.6 | 34.1 | 22.8 | 16.0 |
| 4 SPAN | WIND LOAD | 193.9 | 109.1 | 69.8 | 48.5 | 35.6 | 27.3 | 21.5 |
| | DEFLECTION | 189.5 | 107.6 | 69.2 | 48.2 | 35.5 | 24.2 | 17.0 |

| 24 GAUGE (Fy = 50KSI) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SPAN TYPE | LOAD TYPE | SPAN IN FEET | | | | | | |
| | | 3'-0" | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" |
| SINGLE | WIND LOAD | 162.6 | 91.5 | 58.5 | 40.7 | 29.9 | 22.9 | 18.1 |
| | DEFLECTION | 115.5 | 65.0 | 35.4 | 20.5 | 12.9 | 8.6 | 6.1 |
| 2 SPAN | WIND LOAD | 115.5 | 65.0 | 41.6 | 28.9 | 21.2 | 16.2 | 12.8 |
| | DEFLECTION | 109.4 | 64.2 | 41.3 | 28.7 | 21.1 | 16.2 | 12.8 |
| 3 SPAN | WIND LOAD | 144.4 | 81.2 | 52.0 | 36.1 | 26.5 | 20.3 | 16.0 |
| | DEFLECTION | 124.3 | 79.8 | 51.4 | 35.8 | 26.4 | 16.3 | 11.4 |
| 4 SPAN | WIND LOAD | 134.8 | 75.8 | 48.5 | 33.7 | 24.8 | 19.0 | 15.0 |
| | DEFLECTION | 119.6 | 74.7 | 48.1 | 33.5 | 24.6 | 17.3 | 12.2 |

| 26 GAUGE (Fy = 60KSI) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SPAN TYPE | LOAD TYPE | SPAN IN FEET | | | | | | |
| | | 3'-0" | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" |
| SINGLE | WIND LOAD | 136.0 | 76.5 | 49.0 | 34.0 | 25.0 | 19.1 | 15.1 |
| | DEFLECTION | 99.1 | 50.4 | 25.8 | 14.9 | 9.4 | 6.3 | 4.4 |
| 2 SPAN | WIND LOAD | 99.1 | 55.7 | 35.7 | 24.8 | 18.2 | 13.9 | 11.0 |
| | DEFLECTION | 87.3 | 54.6 | 35.2 | 24.5 | 18.1 | 13.9 | 10.7 |
| 3 SPAN | WIND LOAD | 123.8 | 69.7 | 44.6 | 31.0 | 22.7 | 17.4 | 13.8 |
| | DEFLECTION | 99.2 | 67.7 | 43.8 | 28.2 | 17.7 | 11.9 | 8.3 |
| 4 SPAN | WIND LOAD | 115.6 | 65.0 | 41.6 | 28.9 | 21.2 | 16.3 | 12.8 |
| | DEFLECTION | 95.5 | 63.4 | 40.9 | 28.6 | 18.8 | 12.6 | 8.9 |

| 29 GAUGE (Fy = 60KSI) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SPAN TYPE | LOAD TYPE | SPAN IN FEET | | | | | | |
| | | 3'-0" | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" |
| SINGLE | WIND LOAD | 95.1 | 53.5 | 34.2 | 23.8 | 17.5 | 13.4 | 10.6 |
| | DEFLECTION | 60.3 | 33.1 | 16.9 | 9.8 | 6.2 | 4.1 | 2.9 |
| 2 SPAN | WIND LOAD | 62.4 | 35.1 | 22.5 | 15.6 | 11.5 | 8.8 | 6.9 |
| | DEFLECTION | 51.6 | 33.8 | 21.9 | 15.3 | 11.3 | 8.7 | 6.9 |
| 3 SPAN | WIND LOAD | 78.0 | 43.9 | 28.1 | 19.5 | 14.3 | 11.0 | 8.7 |
| | DEFLECTION | 58.6 | 41.6 | 27.1 | 18.5 | 11.6 | 7.8 | 5.5 |
| 4 SPAN | WIND LOAD | 72.8 | 41.0 | 26.2 | 18.2 | 13.4 | 10.2 | 8.1 |
| | DEFLECTION | 56.4 | 39.0 | 25.4 | 17.8 | 12.4 | 8.3 | 5.8 |

NOTES:
1. Allowable loads are based on uniform span lengths an Fy of 80 KSI for 26 and 29 gauge and Fy of 50 KSI for 24 and 22 gauge.
2. Live Load is allowable live load.
3. Wind load is allowable wind load and has been increased by 33.333%.
4. Deflection loads are limited by a maximum deflection ratio of L/240 of span or maximum bending stress from live load.
5. Weight of the panel has not been deducted from allowable loads.
6. Load table values do not include web crippling requirements or connection of panel to substrate.
7. minimum bearing length of 1.5" required.

COLOR, SPANGLE, OR UNEVEN WEATHERING OF UNFINISHED PRODUCTS:
1. Galvanized, Galvalume, Acrylume, and Paint Grip are unfinished products. The color or spangle may vary and is not a reason for rejection. To keep a uniform color, use of a painted product is recommended.
2. Paint Grip is intended to be painted.
3. Color differentials of Galvalume, Galvanized and Paint Grip, and uneven weathering is not warranted.
4. Considerations prior to ordering are the variations in Spangle Size, Reflectivity or Surface Roughness.
5. Non- uniform fading and color changes can and may occur, these variations are a natural occurrence produced during the steel manufacturing process, these conditions are not a reason for rejection. To guarantee a uniform color, a painted product is recommended.

OIL CANNING:
1. Oil canning is inherent to roll formed products and shall not be cause for rejection of materials.
2. To help reduce oil canning use 24 gauge. Also use Striation, Stiffener Ribs or Embossing.
3. Flat surfaces will display slight waviness, commonly referred to as (Oil Canning). This phenomenon is caused by steel mill production tolerances and will not be accepted as cause for field rejection