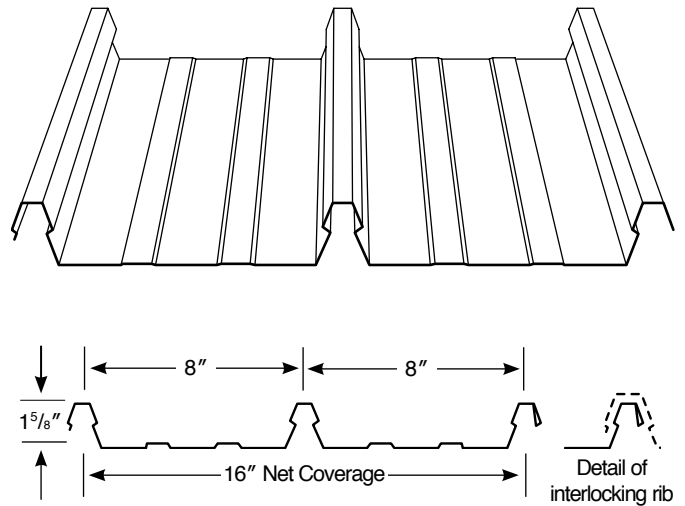


Featuring

## Zincalume® For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

**Klip-Rib** is a performance rated structural and architectural standing seam panel system that snaps positively over concealed anchor clips for quick installation and exceptional strength.



16" Klip-Rib Section Properties

| Gauge | Base Steel Thickness (in) | Yield (ksi) | Tensile (ksi) | Wt. (lbs/ft <sup>2</sup> ) | S+ (in <sup>3</sup> /ft) | I+ (in <sup>4</sup> /ft) | S- (in <sup>3</sup> /ft) | I- (in <sup>4</sup> /ft) |
|-------|---------------------------|-------------|---------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 26    | 0.0183                    | 80          | 82            | 1.0                        | 0.0777                   | 0.0951                   | 0.0629                   | 0.0620                   |
| 24    | 0.0232                    | 50          | 65            | 1.3                        | 0.1037                   | 0.1245                   | 0.0857                   | 0.0848                   |
| 22    | 0.0294                    | 50          | 65            | 1.7                        | 0.1298                   | 0.1545                   | 0.1097                   | 0.1118                   |

**NOTE:** The moments of inertia, I<sup>+</sup> and I<sup>-</sup>, presented for determining deflection are:  $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

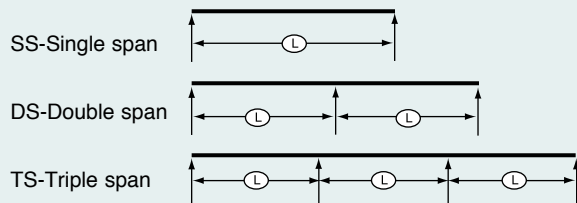
## features | benefits

- Klip-Rib has been tested in accordance with UL580 and meets UL Class 90 wind uplift requirements in 24 and 22 gauge and meets UL Class 60 wind uplift requirements in 26 gauge.
- Tested in accordance with ASTM E1592 for wind uplift capacity.
- Has been tested for air infiltration per ASTM E1680, and water infiltration per ASTM E1646.
- Can be installed over solid substrates or spaced support members.
- Integral ribs have the bold appearance of a batten, but without separate snap-on battens. Preferred for high visibility applications with less likelihood of oil canning than panels with wide flat areas.
- Klip-Rib's locking seam reduces field labor by eliminating field seaming.
- Its patented 21-gauge clip engages two ribs and allows panels to be disengaged if needed.
- Can be installed on pitches as low as 1:12.
- Panels are stiff enough to be shipped without wooden crates. The stretch wrap packaging protects the panels from water and dirt and reduces job site waste.
- Klip-Rib can be crimp curved for radiused applications.
- 24 and 22 gauge panels are available in a wide variety of standard *cool* colors in the DuraTech®5000 (polyvinylidene fluoride) and DuraTech *mx* (metallic colors) coating system, Zincalume® Plus for bare applications.
- 26 gauge panels are available in Zincalume Plus for unpainted applications and a variety of *Cool* colors in the DuraTech®*nt* coating system.

| 16" Klip-Rib |      |       |                          |     |     |     |     |     |     |     |     |
|--------------|------|-------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Gauge        | Span | Cond. | Allowable Load (lbs/ft²) |     |     |     |     |     |     |     |     |
|              |      |       | 3-0                      | 3-5 | 4-0 | 4-5 | 5-0 | 5-5 | 6-0 | 6-5 | 7-0 |
| 26           | SS   | f     | 207                      | 152 | 116 | 92  | 74  | 61  | 51  | 44  | 38  |
|              |      | L/180 | 207                      | 152 | 116 | 91  | 66  | 50  | 38  | 30  | 24  |
|              | DS   | f     | 167                      | 123 | 94  | 74  | 60  | 49  | 41  | 35  | 30  |
|              |      | L/180 | 167                      | 123 | 94  | 74  | 60  | 49  | 41  | 35  | 30  |
|              | TS   | f     | 209                      | 153 | 117 | 93  | 75  | 62  | 52  | 44  | 38  |
|              |      | L/180 | 209                      | 153 | 117 | 93  | 75  | 62  | 52  | 43  | 35  |
| 24           | SS   | f     | 230                      | 169 | 129 | 102 | 82  | 68  | 57  | 49  | 42  |
|              |      | L/180 | 230                      | 169 | 129 | 102 | 82  | 65  | 50  | 39  | 31  |
|              | DS   | f     | 190                      | 139 | 107 | 84  | 68  | 56  | 47  | 40  | 34  |
|              |      | L/180 | 190                      | 139 | 107 | 84  | 68  | 56  | 47  | 40  | 34  |
|              | TS   | f     | 238                      | 174 | 133 | 105 | 85  | 70  | 59  | 50  | 43  |
|              |      | L/180 | 238                      | 174 | 133 | 105 | 85  | 70  | 59  | 50  | 43  |
| 22           | SS   | f     | 288                      | 211 | 162 | 128 | 103 | 85  | 72  | 61  | 52  |
|              |      | L/180 | 288                      | 211 | 162 | 128 | 103 | 81  | 62  | 49  | 39  |
|              | DS   | f     | 243                      | 179 | 137 | 108 | 87  | 72  | 60  | 51  | 44  |
|              |      | L/180 | 243                      | 179 | 137 | 108 | 87  | 72  | 60  | 51  | 44  |
|              | TS   | f     | 304                      | 223 | 171 | 135 | 109 | 90  | 76  | 64  | 55  |
|              |      | L/180 | 304                      | 223 | 171 | 135 | 109 | 90  | 76  | 64  | 55  |

### LOADING TABLE LEGEND

f-Load limited by flexural bending stress  
 L-Span (Inches)  
 L/180-Load limited by a deflection of 1/180 of the span



### Oil Canning

All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.

### NOTES:

- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume®), minimum yield 50,000 psi. for 24 and 22 gauge Steel, minimum yield 80,000 psi for 26 gauge.
- Panel attachment capacity under negative (suction) loading may require a reduction in load from the tabulated values. For assistance, call your AEP Span Representative.
- Spans greater than 5'0" do not have a UL90 rating but are acceptable under certain conditions.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

For slopes lower than 2:12, applications in snowfall areas, or spans greater than 5', please contact your AEP Span Representative for recommendations.

Specifications subject to change without notice.