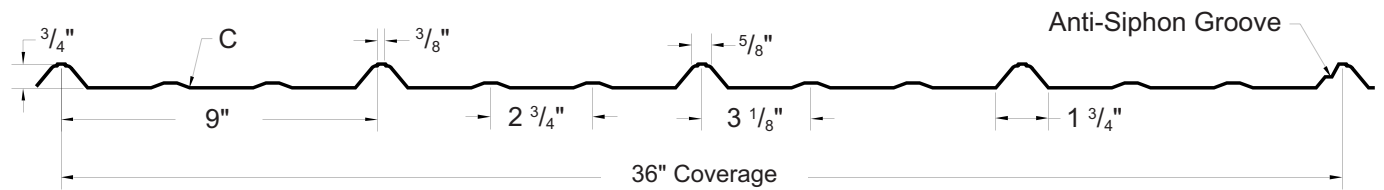


# TUFF-RIB / CLASSIC RIB®



COMMERCIAL  
RESIDENTIAL  
PANEL

DIRECT  
FASTEN

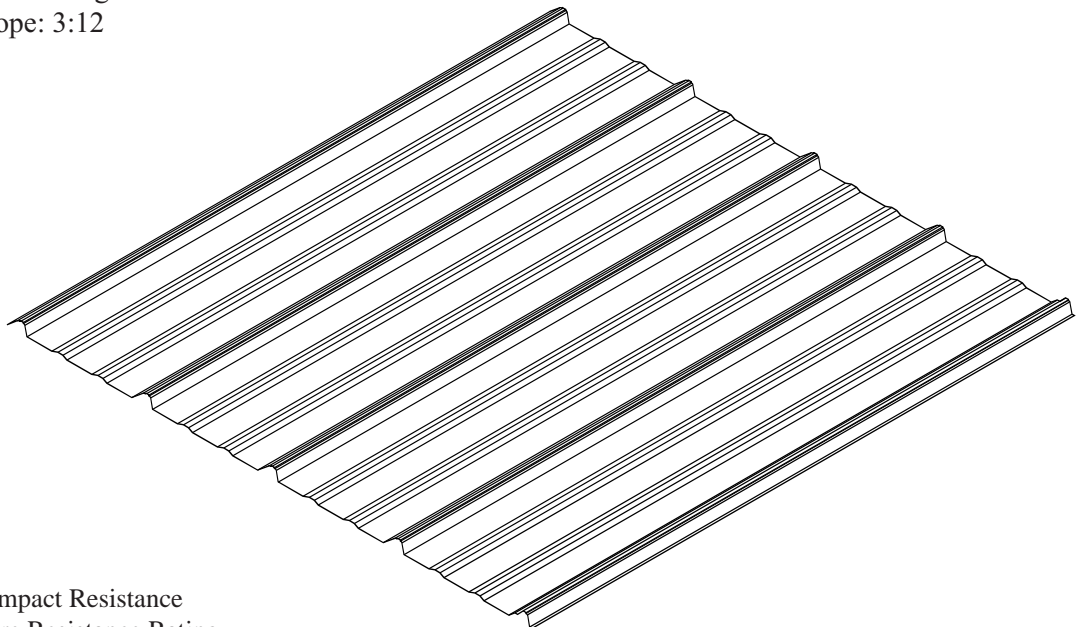
36"  
COVERAGE

MINIMUM  
3:12 SLOPE

OPEN FRAMING OR  
SOLID SUBSTRATE

## PANEL OVERVIEW

- ▶ Finishes: Painted and Acrylic Coated Galvalume®
- ▶ Gauge: 29 and 26ga standard
- ▶ 36" panel coverage,  $\frac{3}{4}$ " rib height
- ▶ Bell top trapezoidal rib on 9" centers
- ▶ Exposed fastened, low profile panel
- ▶ Applies over open framing or solid substrate
- ▶ Minimum roof slope: 3:12

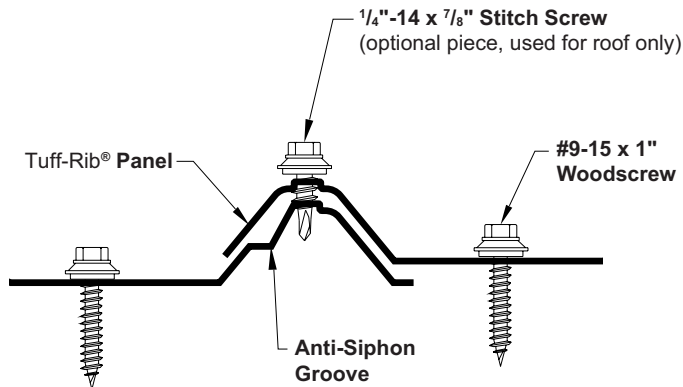


## TESTING

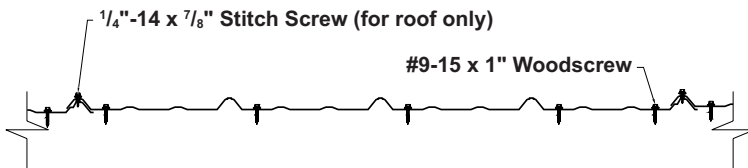
- ▶ UL 2218, Class 4 Impact Resistance
- ▶ UL 790, Class A Fire Resistance Rating
- ▶ Miami-Dade County Approved 06-0410.08
- ▶ UL 580 Class 90 Wind Uplift Construction Numbers 560, 584
- ▶ Florida Building Code Approved 5807.6, 6821.1, 7490.1, 7490.2, 7231.2, 7416.1

# TUFF-RIB / CLASSIC RIB®

## ATTACHMENT DETAIL



## FASTENING PATTERN



## GENERAL INFORMATION

### ► Slope

The minimum recommended slope for Tuff-Rib® roof panel is 3:12. (lower slopes have special requirements)

### ► Substructure

Tuff-Rib® is designed to be utilized over open structural framing, or a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.

### ► Coverage

Tuff-Rib® panels are available in a 3/4" rib height with a coverage width of 36".

### ► Length

Minimum factory cut length is 3'. Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping, and installation. Please consult Best Buy Metals 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.

*NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.*

### ► Availability

Finishes: Acrylic Coated Galvalume® or Painted  
 Gauges: 29 and 26ga

## SECTION PROPERTIES

## ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans)

| Ga. | Width (in.) | Yield KSI | Weight PSF | SECTION PROPERTIES         |                            |                            |                            | ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans) |      |    |      |    |      |                              |      |    |      |    |      |
|-----|-------------|-----------|------------|----------------------------|----------------------------|----------------------------|----------------------------|--|------|----|------|----|------|------------------------------|------|----|------|----|------|
|     |             |           |            | Top in Compression         |                            | Bottom in Compression      |                            | Inward (Gravity / Deflection) Load                       |      |    |      |    |      | Outward Uplift (Stress) Load |      |    |      |    |      |
|     |             |           |            | Ixx<br>In <sup>4</sup> /ft | Sxx<br>In <sup>3</sup> /ft | Ixx<br>In <sup>4</sup> /ft | Sxx<br>In <sup>3</sup> /ft | 1'   | 1.5' | 2' | 2.5' | 3' | 3.5' | 1'                           | 1.5' | 2' | 2.5' | 3' | 3.5' |
| 26  | 36"         | 60        | 0.86       | 0.0123                     | 0.0190                     | 0.0080                     | 0.0160                     | 98   | 65   | 47 | 35   | 27 | 16   | 110                          | 75   | 54 | 41   | 32 | 16   |

- Theoretical section properties have been calculated per AISI 2001. "Specifications for the Design of Cold-formed Steel Structural Members." Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase in uplift.