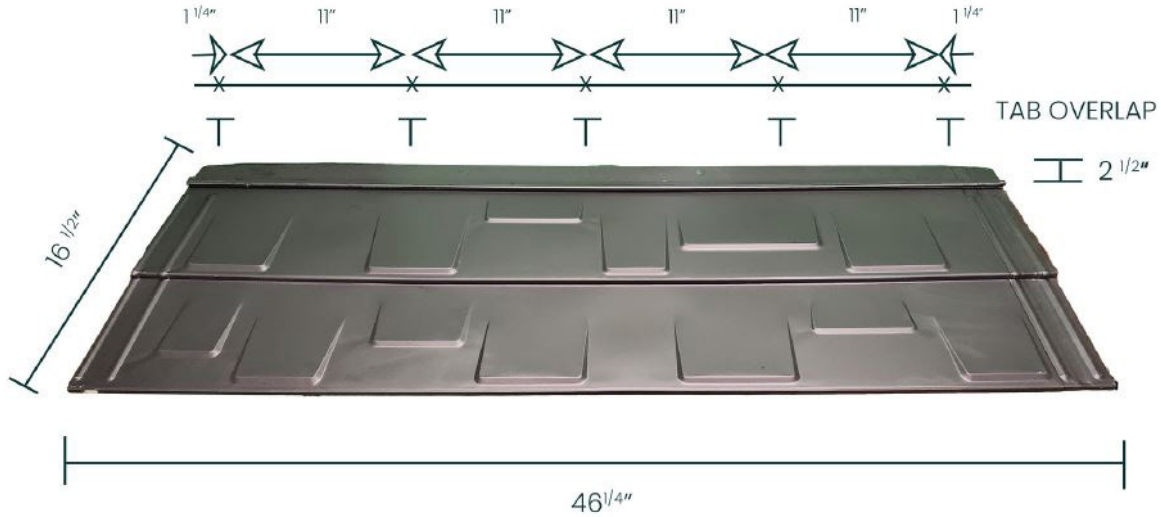


# PRODUCT DATA SHEET

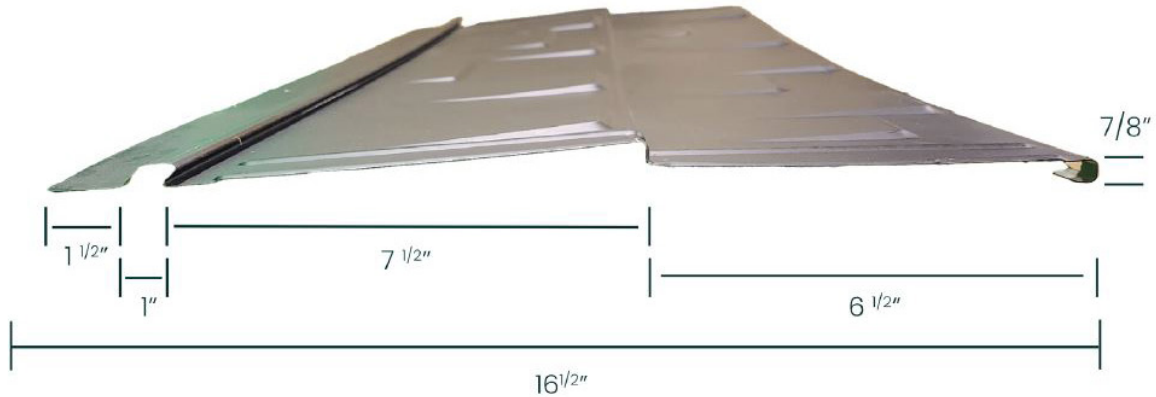
## METAL SHINGLE SERIES (STEEL)

**Product/System Description:**

A 24-gauge steel roofing panel, with the appearance of a traditional asphalt shingle roof, that is attached directly to the deck, using fasteners.



TYPICAL SIDE ELEVATION VIEW





# PRODUCT DATA SHEET

## METAL SHINGLE SERIES (STEEL)

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### **Components, Materials, and Standards:**

Material: Steel

Thickness: 24-Gauge

Panel Length: 46 1/4" (Nominal)

Panel Width: 16 1/2" (Nominal)

Rib Height: 3/4"

Yield Strength: 40 KSI Minimum

Steel Designation: CS-Type B

Corrosion Resistance: In compliance with FBC Section 1507.4.3 and ASTM A653 G90 Galvanized Steel

### **Fasteners (To Plywood Deck 12" on center & rafter/truss top chord 24" on center):**

Type: 17 Point Wood Wafer Head Screws

Size: #10-9 x 2" minimum

Embedment: 1 1/2" minimum into wood rafter top chord

Corrosion Resistance: Per FBC Section 1506.6

Standard: Per ANSI/ASME B18.6.1

### **Underlayment:**

Material and application shall be in compliance with FBC Section 1507.1.1 and in accordance with applicable code sections and manufacturer's recommendations.

### **Support:**

Plywood per FBC Chapter 23, minimum thickness of 15/32"

### **Slope:**

Minimum slope of 4:12 or greater is required

### **Paint Finish:**

Pre-Painted and Mill Finish Steel, painted with 70% PVDF Fluorocarbon. Designed for application to Hot Dipped Galvanized, Zinc-Aluminum Alloy steel, and Aluminum substrates. Dura Coat Products, Inc. Durapon 70 PVDF Fluorocarbon provides a 40 Year Limited Warranty (see full warranty for specifications).

### **Powder Coated Finish (Optional Enhanced Finish):**

MMR applies a proprietary powder mix to the pre-painted steel panels, which is heat cured, ensuring a permanent bond.



# PRODUCT DATA SHEET

## METAL SHINGLE SERIES (STEEL)

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### **Performance:**

Wind Uplift Resistance: Design Uplift Pressure Resistance = 48.5 PSF  
(Based on batten spacing at 14" on center and batten screw spacing at 12" on center)

### **Performance Standards:**

The Metal Shingle Series has demonstrated compliance with:  
UL580-06 - Test for Uplift Resistance of Roof Assemblies  
UL 1897-12 Uplift test for roof covering systems

### **Code Compliance:**

The Metal Shingle Series has demonstrated compliance with:  
International Building Code 2018

### **Installation Methods (See installation manual for details):**

Standard Installation