

ARCHITECTURAL  
COMMERCIAL  
RESIDENTIAL  
APPLICATIONS

EXPOSED  
FASTENED

VARIOUS  
PROFILES

PLEASING  
RUSTIC  
APPEARANCE

OPEN FRAMING  
OR SOLID  
SUBSTRATE

## MATERIAL OVERVIEW

### Material Description

Weathering Steel is known as High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance, per ASTM A 606-04.

Weathering Steel is produced by steel mills under trade names of Corten, Kupten, Triacor and others.

Weathering Steel develops a pleasing iron oxide matte finish over the first few months of exposure to the environment. This finish is developed by natural processes and may result in a non-uniform appearance.

### Expected Mechanical Properties

Tensile Strength: 65 ksi  
Yield Strength: 45 ksi

### Coil Sizes Available

Minimum Thickness: 0.0296"  
Widths: 28" and 45.75"

### Profiles Available

7/8" Corrugated  
2.5" Corrugated  
TRX-7.33  
Vertical Seam

### Application Recommendations

Weathering Steel products should have a minimum slope of 3:12 to allow water to run off.

Where multiple layers of material exist, sealant should be used to minimize the potential for capillary action.

Water running off of Weathering Steel should be diverted from other building materials such as concrete and stucco due to the potential for staining.

Weathering Steel products should be fastened with stainless steel, Type 410 fasteners.

Load Tables are not available for products made of Weathering Steel. As the material rusts, the effective thickness is reduced, reducing allowable loads.

### Corrosion Data

Saltwater, lead, copper and standing water are corrosive to Weathering Steel.

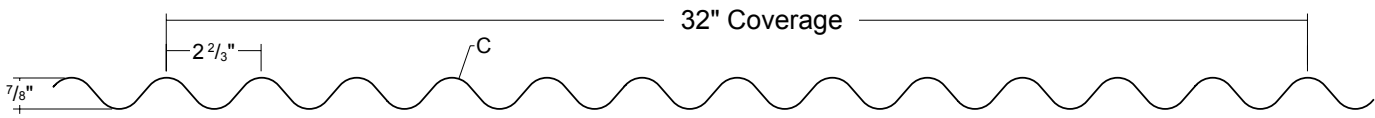
All Weathering Steel surfaces that are continuously wet will corrode at an accelerated rate. Examples include: water trapped by debris, standing water, and water held by capillary action between layers of Weathering Steel panels and trim.

**THE EXPECTED USEFUL LIFE OF WEATHERING STEEL PANELS IS DIFFICULT TO DETERMINE DUE TO THE VARIATION IN ENVIRONMENTAL CONDITIONS AND INSTALLATION PRACTICES. BECAUSE OF THIS DIFFICULTY, NO WARRANTY IS AVAILABLE ON WEATHERING STEEL.**

# WEATHERING STEEL

Condensed  
Technical  
Reference

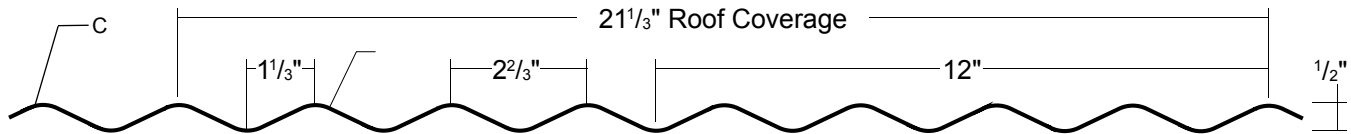
## 7/8" CORRUGATED ROOF PANEL



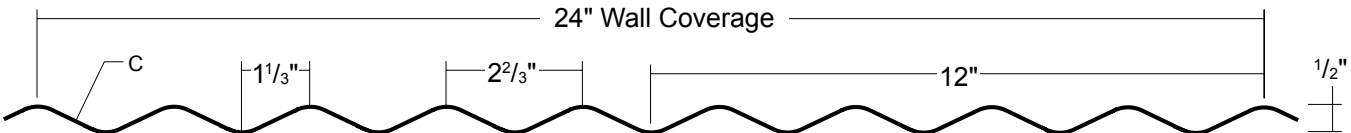
## 7/8" CORRUGATED WALL PANEL



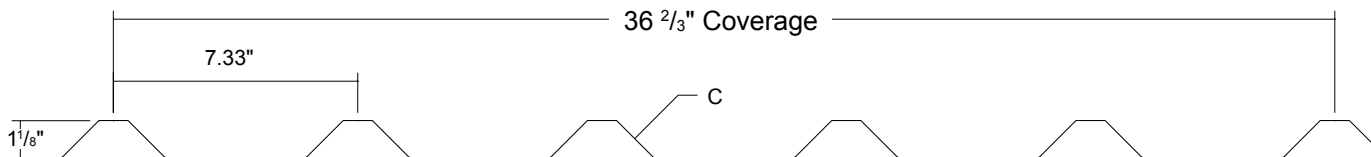
## 2.5" CORRUGATED ROOF PANEL



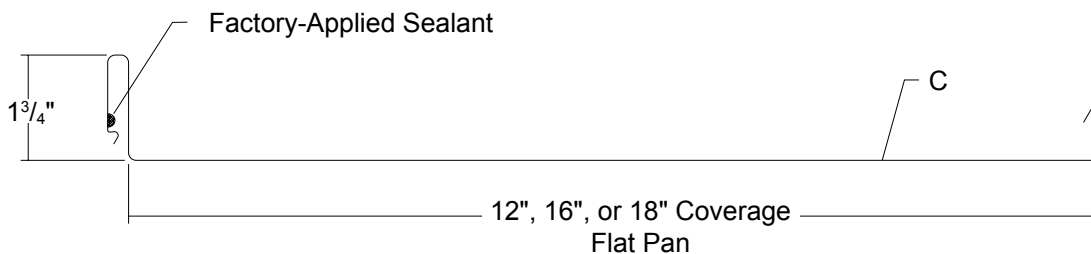
## 2.5" CORRUGATED WALL PANEL



## TRX-7.33 ROOF & WALL PANEL



## VERTICAL SEAM ROOF PANEL



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