

Architectural Specifications

1. General

A. Name and Description

Universal Standing Seam

The panels are for use on residential and light commercial roofs, and mansards.

Exposure Length: Panels are cut to length with a minimum length of 4' maximum length of 45'.
Exposure Width: 12" or 16"
Weight /Square: 130 lbs for 12" panels, 121 lbs for 16" panels.

B. Manufacturer

Isaiah Industries, Inc.
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C. Scope

The scope of the work includes, but is not limited to, the installation of all roll-formed panels, pre-formed accessories and field-formed accessories such as miscellaneous flashings and attaching devices as well as sealant.

2. Product

A. Material

All roll-formed panels, including, pre-formed accessories and flashings and matching coilstock are

made of .0217" HDG steel sheet stock with a 33 ksi yield strength and a 45 ksi tensile strength – US G90 galvanized steel.

B. Finish

Universal Standing Seam panels are coated with a baked-on protective primer and a Kynar 500 or Hylar 5000 top coat to provide a high quality finish. Kynar 500 and Hylar 5000 are trade names for polyvinylidene fluoride resin. The backs of the panels are finished with a protective clear coat.

C. Additional Materials

Other materials available from the manufacturer include silicone sealant, touch-up paint, pipe flashings and steel screws.

3. Installation

A. Pitch

Universal Standing Seam panels are designed for installations on roofs with a 2:12 or greater pitch.

B. Decking

The panels are applied over minimum 1/2" decking.

C. Underlayment

The entire roof must be covered with at least one layer of 30 lb. felt underlayment or equivalent. In most cases, a slip-sheet is installed between the underlayment and the standing seam

panels. The slip-sheet allows the panels to expand and contract without tearing the underlayment. If the underlayment will not stick to the back of the panels, no slip-sheet is required.

D. Panels

Universal Standing Seam panels install right to left. The female lock snaps over the male lock. A field-formed lip at the bottom of the panel locks over the drip edge.

E. Anchorage

Fasten the panels to the roof deck with steel panhead screws every 12" through the slots in the anchoring hem. Screws should be of sufficient length to fully penetrate the decking. The slots allow for lineal expansion.