

# Architectural Specifications

## 1. General

### A. Name and Description **ClickLock Standing Seam**

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

Exposure Height: Panels are cut to length with a maximum length of 45'  
Exposure Width: 12"  
Weight /Square: 67 lbs.

### B. Manufacturer

Isaiah Industries, Inc.  
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P.O. Box 701  
Piqua, OH 45356 U.S.A.  
Tel. 800/543-8938

Email:  
[info@isaiahindustries.com](mailto:info@isaiahindustries.com)  
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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 .032" 3105 H24 aluminum alloy sheet stock consisting of

at least 98% recycled content with a yield strength of 26,400 psi. and a tensile strength on 27,700 psi.

### B. Finish

ClickLock 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 matching terpolymer butyl rubber sealant, stainless steel hold-down clips, touch-up paint, pipe flashings and stainless steel screws.

## 3. Installation

### A. Pitch

ClickLock 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. The system may also be applied over existing composition roofing provided the existing roofing is smooth. Any curled, rotten, or irregular roofing must be removed or replaced.

### C. Underlayment

In the case of either a new roofing application or re-

roofing, 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 ClickLock 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

ClickLock Standing Seam panels have male lock on the side of panel and a female lock on the opposite side of the panel. The female lock snaps over the male lock. A field-formed lip at the bottom of the panel locks over the starter strip.

### E. Anchorage

ClickLock panels are held in place with stainless steel hold-down clips. The clips lock over the panel's male lock and are fastened to the deck with stainless steel pan head screws. The screws should be of sufficient length to fully penetrate the decking. The clips allow for lineal expansion.