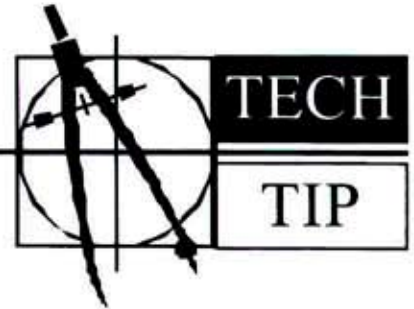


DUTCH Seam Installation Detail



Bulletin 1 June 1998

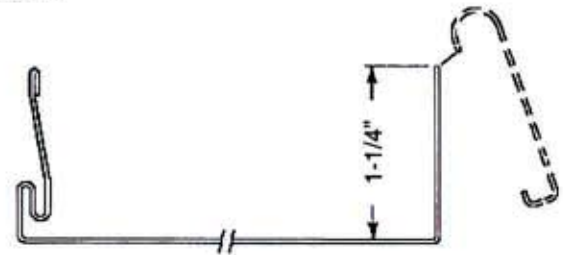
To obtain a symmetrical appearance on a hip or pyramid style roof or to simply have two crews working simultaneously on the same roof plane, it is advantageous to begin the installation of a roof panel system from the center of the roof surface. Since ATAS' DUTCH Seam (MRD.) standing seam panel series is a directional panel system (panel installation proceeds in either a left-to-right or right-to-left manner), a modified panel needs to be created to allow for bi-directional installation.

The field modified DUTCH Seam panel is normally placed in the center of the roof plane. Installation of regular, factory fabricated panels then proceeds in both directions from the modified panel.

The exhibits illustrate how the modification of the DUTCH Seam panel is accomplished using either raised stand-off clips or flush flat clips. First, the exposed portion of the seam is cut-off at approximately 1 -1/4 inch up from the "pan" area of the panel. A specially fabricated clip is then attached to the panel thus securing both the modified panel and the adjacent panel that is installed next. The opposite side of the modified panel will maintain its factory interlock for normal installation.

As with any stucco embossed panel or directional paint system, a metallic type pigmentation such as ATAS' Antique Patina, the panels may show a shade variation where the direction of the panel is changed.

Exhibit 1

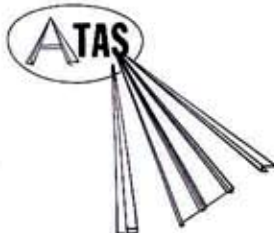
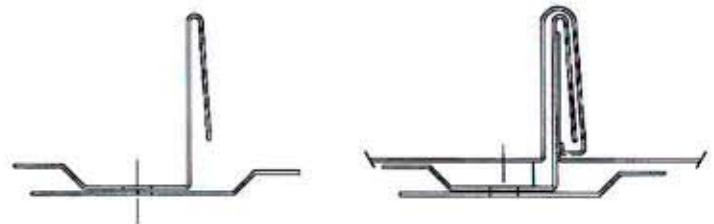


Field cut and remove standing seam at approx. 1-1/4" up from the "pan" area of the panel.

Exhibit 2: "Field Flat" Anchor Clip



Exhibit 3: "Field Raised" Anchor Clip



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