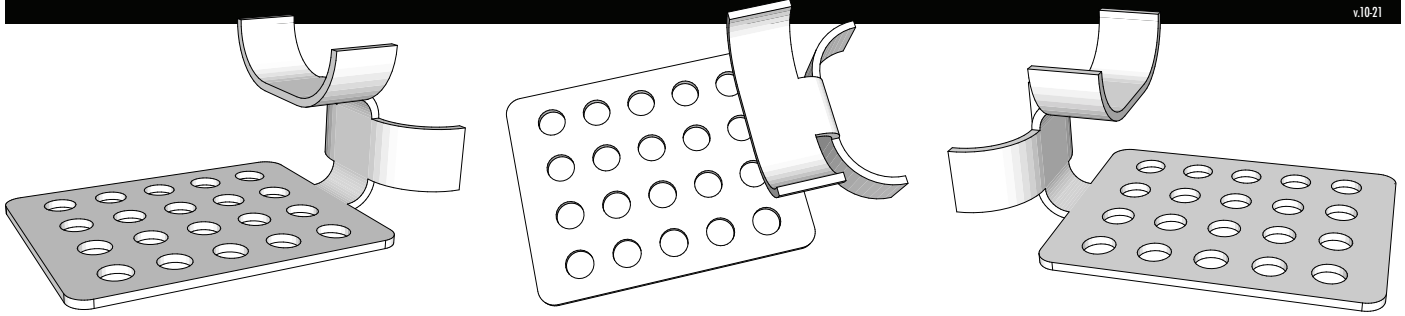


IDP-113 ROOF CLIP INSTALLATION MANUAL



DESCRIPTION

The IDP-113 Roof Clip can be used to secure HeatTapePro—and various other brands of self-regulating heat cable—to a variety of roofing materials including asphalt shingle roofs, standing seam metal roofs and rubber membrane roofs. Seal nails or screws used with this clip with MKS-1022-1 butyl pads (preferred) or caulk with appropriate material depending on substrate (i.e., asphalt shingle, metal, etc.).

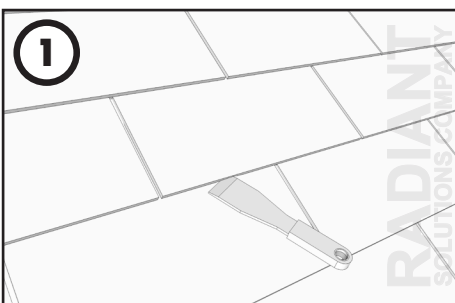
TOOLS REQUIRED

- Hammer
- Putty Knife
- Pliers
- Caulk Gun (if MKS-1022-1 butyl pads are not being used)

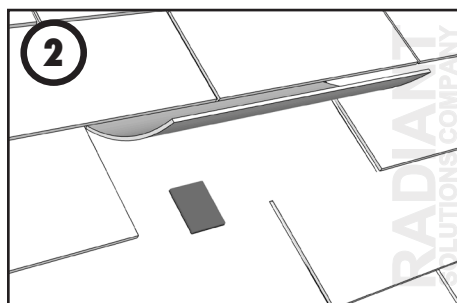
SUPPLIES REQUIRED

- Butyl pads
- Methacrylate Adhesive (Metal Surfaces)
- Bonding Adhesive (Rubber membrane roofs)
- Silicone (Asphalt shingle roofs)

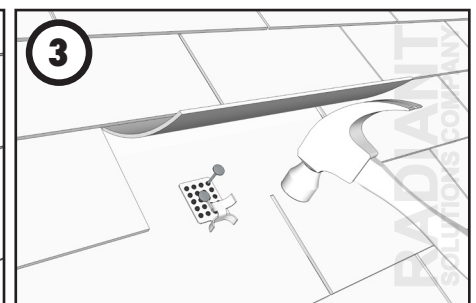
INSTALLING CLIPS ON ASPHALT SHINGLES



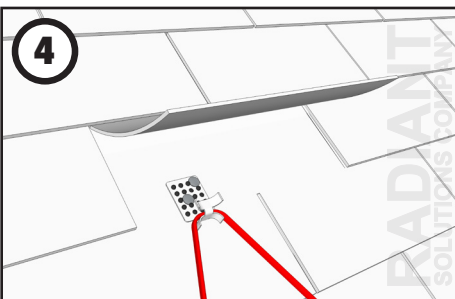
1 Use putty knife if necessary to loosen shingle



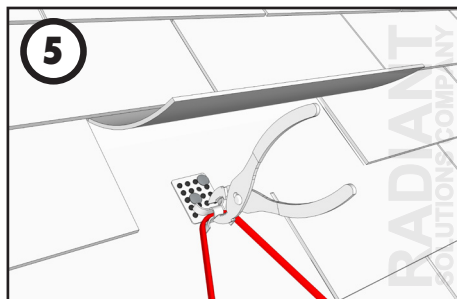
2 Place MKS-1022-1 butyl pad (or caulk)



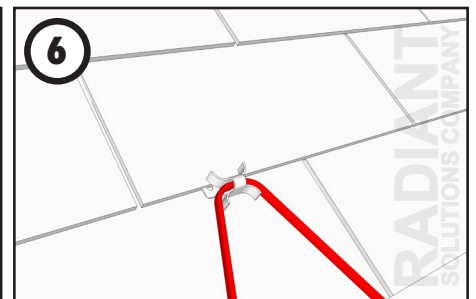
3 Set clip on pad; nail clip to roof



4 Install heating cable into clip



5 Gently pinch clip down onto heating cable



6 Lay asphalt shingle down on original spot

OTHER METHODS

IDP-113 Heat Cable Roof Clips may be installed in many orientations on the roof. They may need to be nailed or screwed on top of the roofing under certain circumstances, such as at the bottom of a tracing pattern, Fig. 1. As an alternate to using butyl pads, apply a large dot of silicone to the roof, Fig. 2.

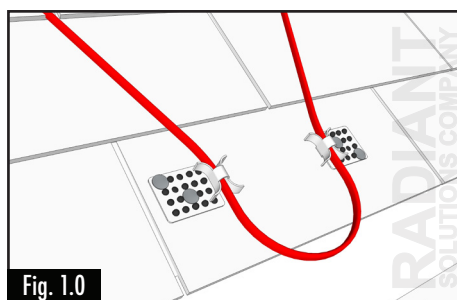


Fig. 1.0

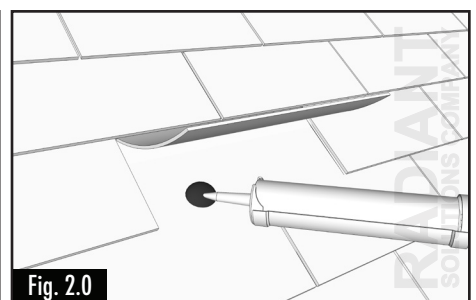
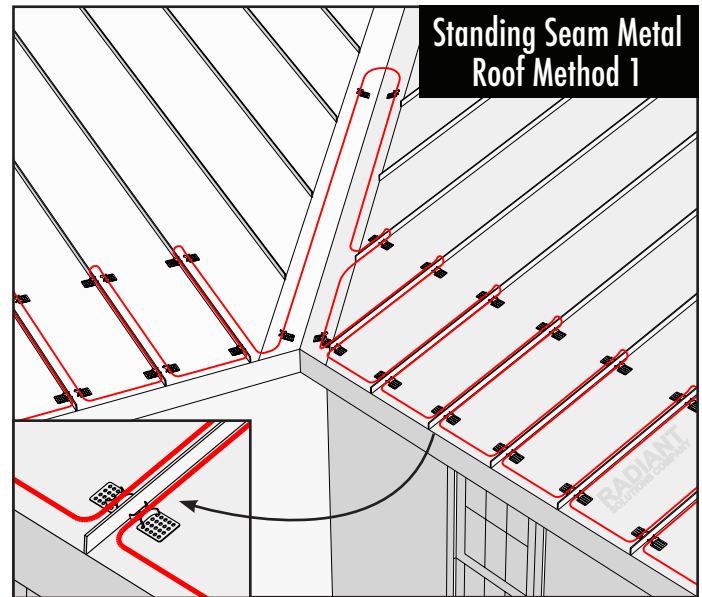
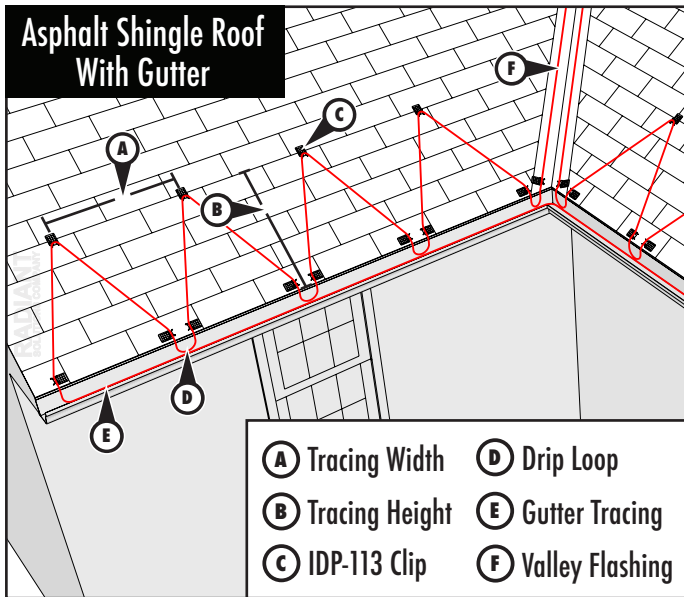


Fig. 2.0

OTHER INSTALLATION DETAILS



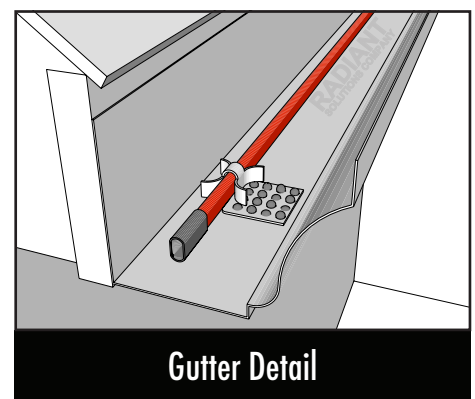
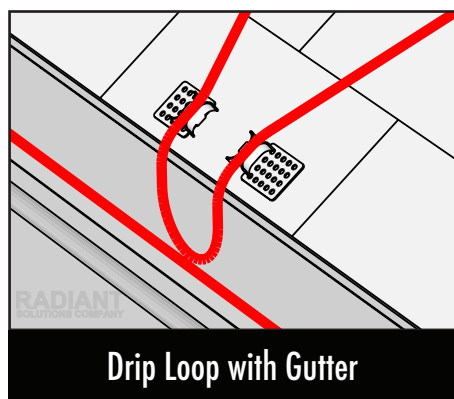
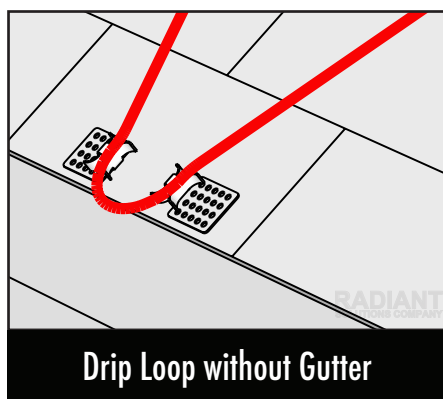
ASPHALT ROOF INSTALLATIONS

Point 'A', the width between each tracing pattern should be 24" for most standard heating cable installations. Point 'B' is the tracing pattern height, which changes project to project depending on the eave depth. Extra clips may be used as necessary in areas where extra stress may be put on the heat cable system. Refer to heat cable manufacturers installation instructions for specifics.

METAL ROOF INSTALLATIONS

The IDP-113 Roof Clip can be installed on metal roofs using methacrylate adhesives. Clean the area on the metal thoroughly before installing the clip to ensure a good adhesive bond. Place clip on the prepared surface and press down until the adhesive flows through the holes. Do not trim back the adhesive as the excess flow through helps hold the clip. Allow adhesive to cure per manufacturer's specifications before installing heating cable.

ADDITIONAL INSTALLATION DETAILS



! WARNING

IDP-113 Heat Cable Roof Clips should be installed in accordance with the heat cable manufacturers recommendations. Follow all design, installation, assembly and test instructions carefully. This product must be installed by a qualified person in accordance with this installation handbook and with the National Electric Code (U.S.) as applicable. All electric connections must be made by a qualified electrician according to the electrical and building codes effective in your region. Do not use IDP-113 Roof Clips for installation on slate or tile roofs as damage may occur to roof material. Consult roofing manufacturer for components approved for use on specific roofing materials.