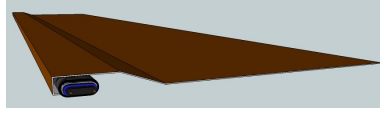




Installing the SnoFree™ SCH System for Existing Roofs



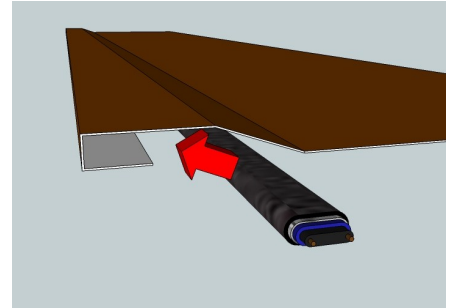
SFP – SCH

Step # 1 **Insert Heat Cable into Slot**

Carefully insert the heat cable into the given slot on the SFP-SCH panel. Cable should be tight fitting and make full contact throughout the entire length.

If cable is not tight fitting once inserted into the channel or easily falls out during installation. Carefully use a pair of pliers to make a slight bend in the metal lip to snugly hold the cable. Ensure that the pressure does not crush the cable or cause any damage.

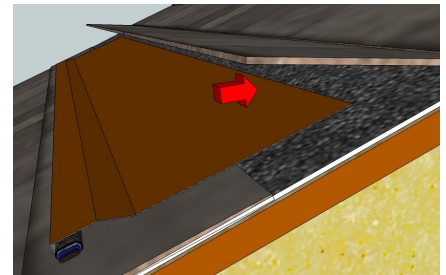
Ensure no sharp edges that could potentially cut into the outer jacket of the heat cable.



Step # 2 **Install the SCH**

Carefully lift the corresponding shingle to receive the SFP-SCH Panel system.

Slide the SCH panel up until the top lip of the panel has arrived to the desired height. Ensure that any water entry points of the shingle will be lower on the deck than the top of the SCH upper lip.

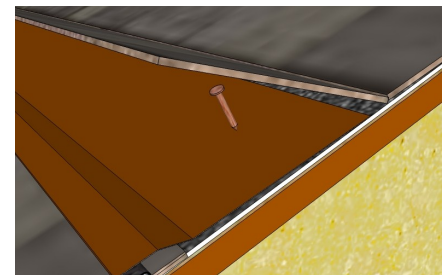


Step # 3 **Fastening the SCH**

With the corresponding shingle lifted. Use a flat headed screw to attach the SCH panel to the roof. Use a minimum of 18" spacing along upper section.

Pre-drilling into metal panel may be necessary.

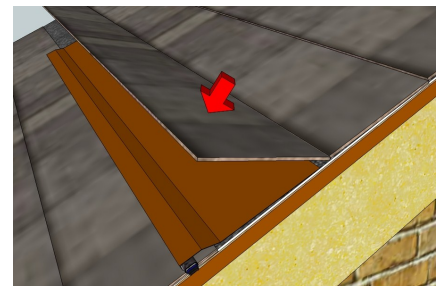
Use appropriate sealant to ensure water entry is not a risk.



Step # 4 **Lay the Shingle Course back to the deck**

Once the SFP-SCH panel has been installed. Return the raised shingle back to the original position which will be resting on top of the SCH panel.

Depending on the age of the shingles, a new bead of sealant, tar, or silicone may be needed to keep the shingle from being damaged by wind.



HINT: Running the cable

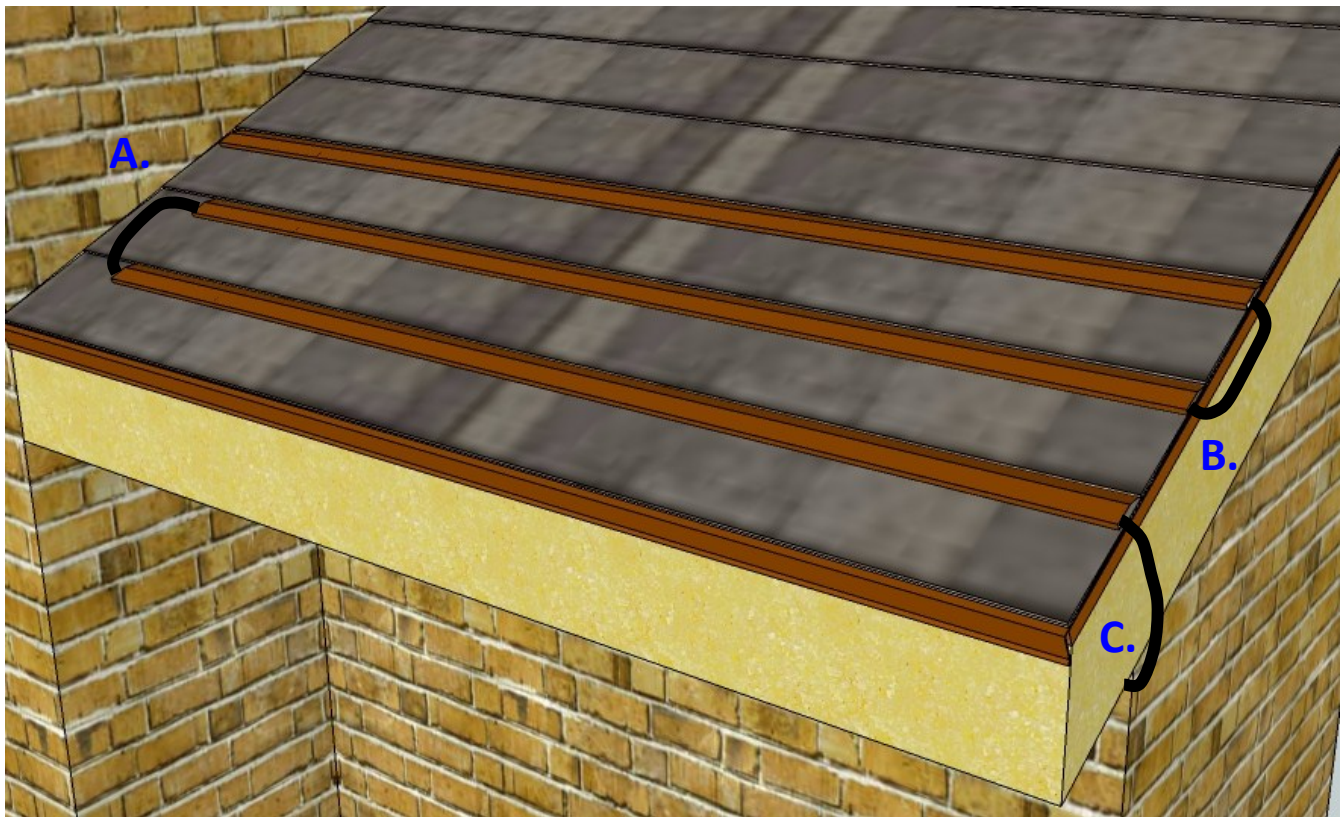
With proper layout design, Exposed heater cable can be avoided. At every entry and exit of the SCH panel where the cable may need to turn. The cable will need to be rolled on to its side to bend at the appropriate radius. This can be tricky if not enough space has been left to roll the cable.

At example **A.** this shows the SCH panel stopping short of the end wall by approximately 6" to allow sufficient space for the cable to exit the panel and roll to bend the cable. Once the appropriate turn has been made, the cable will need to roll again in order to lay flat for re-entry into the next SCH panel. A roofing clip may be needed to ensure the cable does not move after installation and to keep the cable protected.

At example **B.** this shows the SCH panel stopping at a rake of the roof. Similar to example "A" the cable will need to be rolled to make the turn. Stopping the SCH panel short and using a rubber coated D38 roofing clip may be needed to ensure the cable does not lay against a sharp rake edge or twist within the SCH panel causing damage. Using a D38 clip against the fascia or drip edge may be needed to hold the cable firmly in place.

At example **C.** this shows the heater cable exiting the system entirely. This may be a power connection location or an end seal location. Using a D38 clip against the fascia or drip edge may be needed to hold the cable firmly in place.

Ensure no sharp edges that could potentially cut into the outer jacket of the heat cable.





Tools Needed:

- **1)** Radial arm saw or “chop saw” to cut the aluminum extrusions. A 100 tooth carbide tipped saw blade is suggested. **2)** Metal shears or “tin-snips”. **3)** Use the appropriate metal cutting blade to trim the cladding (sheet metal) as needed. **4)** Hand and/or powered screwdriver(s) with the appropriate tip(s) for the attachment screws to be used. All screws should be the flush head type (Pan Headed) for best results. **5)** A folding bar to create or modify any bends. **6)** Safety Glasses and/or any other safety equipment needed. **7)** Use all ladders in a safe & responsible manner and avoid overhead power lines.

LEGAL DISCLAIMER:

- This installation manual shows the best known method of installation at the time of the writing of this document. Heat Trace Specialists recommends all parties that install these systems to use their best judgment on common roofing and sheet metal installation methods. We only guarantee the product material supplied by Heat Trace Specialists.
- Heat Trace Specialists designed this system for certified and qualified contractors and any other licensed construction professionals. Any professional installer of these products understands that any property damage from water that entered through any penetration from the system will not hold Heat Trace Specialists or any affiliate liable for expenses or damages. All penetrations into the deck of the roof must be properly sealed and covered.
- All installers of Heat Trace Specialists’ products are legally required to install all products according to local, state and federal laws and codes.
- While installing Heat Trace Specialists’ products use all protective gear and proper tools that are recommended in electrical installation and in the construction industry. Heat Trace Specialists is not liable for any product that is installed incorrectly or damaged during the installation process.
- Because roofs and buildings are all different, Heat Trace Specialists recommends you use your best judgment when installing our products to achieve the best possible results for appearance, safety, and effective operation.
- Heat Trace Specialists does not offer instructions for every aspect of the installation process, we only offer the basics and we rely on the common knowledge and ability of the final installer to find the proper method of installation within their own industry and according to their local codes. Any installer should be trained in working with sheet metal and capable of finishing all parts and connections with the best of their ability and workmanship capabilities. Heat Trace Specialists does not warranty any workmanship of said installers and hereby is exempt from all liability.
- If any panel is being installed in an area with high winds. A few self-tapping screws can be installed on the nose of the system per section and end caps to ensure minimal damage does occur.
- Heat Trace Specialists products must be installed, operated and maintained in accordance with Heat Trace Specialists instructions. Heat Trace Specialists is not liable for damage or unsatisfactory performance of products resulting from accident, negligence, alteration, unauthorized repair, improper application or installation of the products. Heat Trace Specialists is not liable for any incidental or consequential damages.
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