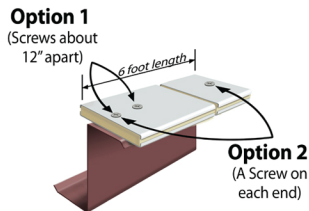




## Thermal Spacer

Our SNS® Thermal Spacers can be installed on the go (option 1) as insulation and roof sheets are installed or they can be installed all at once (option 2) with a man basket, either way, works great.

Each thermal spacer comes in six-foot lengths which are the standard widths of three Standing Seam Roof panels and the typical widths of a metal building insulation roll, making the thermal spacer easy to handle and install.



Each thermal spacer comes with two flat-head screws to hold the six-foot thermal spacer in place. (210 flat screws will be provided for 100 thermal spacers).

### Suggestions:

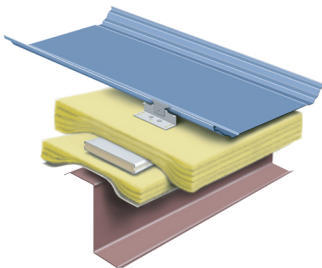
- When installing the thermal spacers, center it over the flange of the purlin
- Butt the thermal spacers, end to end without adding pressure
- Consider the placement of the flat-head screws through the thermal spacers, so that the SSR Panel Clip Screws are not in conflict with the flathead screws
- When installing the insulation blankets, install to industry standards to allow for full expansion of the fiberglass

**Step 1:** Install SNS® Purlin Struts between purlins if needed. (See instructional guidelines for more information)

**Step 2:** Thermal Spacers, are placed and centered over the top of the purlins and are attached by two #12 flat head screws. (Option 1) Place the first flathead screw at the end and the second screw around 12 inches from the first. (Option 2) Place the flathead screw at each end.

### SSR Panel Clip

### Suggestions:



- Only use clips that are ¼" taller than the profile of the panel
- Standing Seam clips should not be located over the joints of the thermal spacer
- Installing the SSR Panel Clip in the center to ensure the clip screws are screwed through thermal spacers, and into the purlin flange below
- Use a longer screw to fasten the SSR Panel Clip through the thermal spacer and into the purlin flange below. (SNS recommends #14 or larger diameter screw and is 1" in length)

**Step 3:** Place the insulation blanket over the thermal spacer and attach the SSR Panel Clip on top of the insulation blanket and centered over the thermal spacer. The SSR Panel Clip will be fastened through the insulation blanket and the thermal spacer to the purlin flange, for a tight connection. Complete the additional steps of the standing seam roof as to manufacturers specifications.

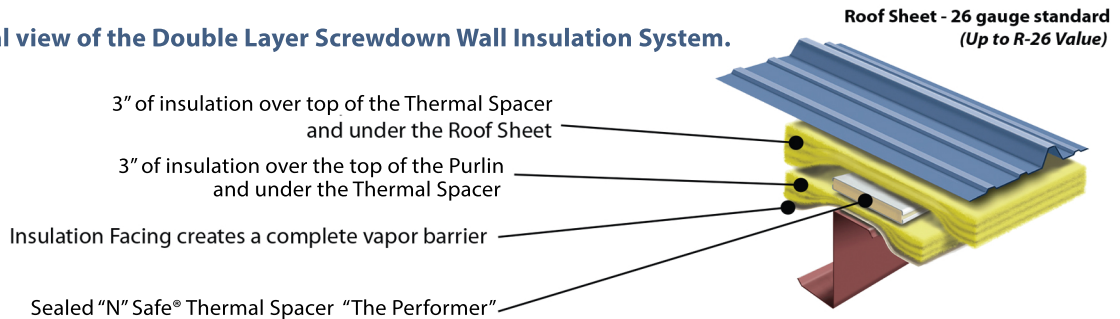
The assembly process is like a typical standing seam roof. The only additional step is to set the thermal spacer in place with two flat-head screws and attach the standing seam clip through the thermal spacer and to the purlin flange.



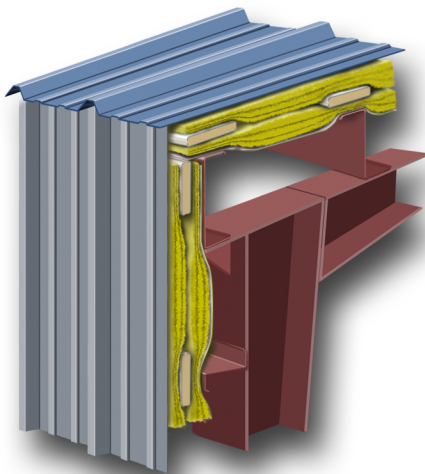
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scan QR code for an instructional video

The only difference between the double layer and the single layer system, is the additional insulation between the girt and the Thermal Spacer. When attaching the Thermal Spacer to the girt, be sure to apply pressure to the Thermal Spacer so that the Thermal Spacer is snug-tight to the girt using the falt-head screws. Do not compress or dimple the Thermal Spacer.

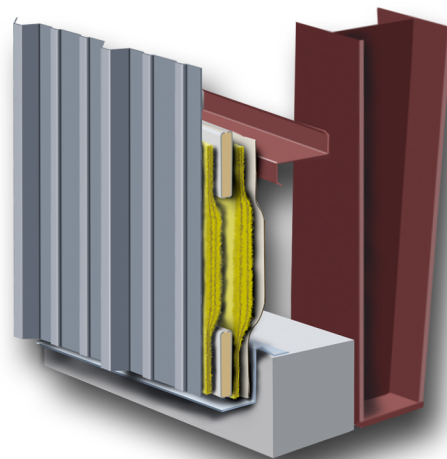
## Cross-sectional view of the Double Layer Screwdown Wall Insulation System.



## Double Layer Roof & Wall Insulation System (Patents Pending)



## Double Layer Wall Insulation System (Patents Pending)



For **Step 1 and 2** of the double layer system, refer to the single layer system, on the other side of this page, and do steps 1 and 2. (When installing the Insulation Blankets, offset the upper and lower insulation side joints from each other to increase efficiency)



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