

## **ASG4000G Snow Guard Installation Instructions**

### **Typical Roof Types:**

- Double lock standing seam (ASG4000G-U-AL)
- Single lock standing seam (ASG4000G-T-AL)
- Round "bulb" standing seam (ASG4000G-Z2AL)
- Tee Seam standing seam (ASG4000G-T2-AL)
- Copper standing seam (ASG4000G-U-BR)

### **I. Bracket Installation:**

**Note:** When attaching blocks (clamps) to machine folded seams (regardless of panel profile and geometry), the ASG4000 blocks are designed to engage seams by pinching the seam with 3 stainless steel set screws. For horizontal seam applications (inverted "L"), set screws must be accessible from the top of the block for tightening. On snap-together type seams, orient the block so that the set screws are opposite the open, or overlap side of the seam. On some types of panel seams, the aspect of block orientation is not critical. Some horizontal seams may require additional hand crimping at the block location.

- A. Position the clamps appropriately on the panel seam. Using a 3/16" allen-wrench attachment tip for a 1/4" drive screw gun, tighten and retighten set screws as the seam material compresses. Most industrial grade screw guns are rated at 115 inch-pounds tightening torque and will deliver between 115 and 150 in-lbs (13- 17Nm) at the *highest torque setting*.
- B. Install Pipes, Couplings, End Caps and End Collars (refer to Pipe Style Installation Instructions). Ice Flags are optional.

### **II. Layout for pipe-style snow guard brackets:**

- Contact Alpine SnowGuards for detailed layout information.
- To allow for thermal expansion, do not install runs of snow retention pipe or bar in excess of 100 feet long without a break.
- The first row of snow guards are installed above the outermost wall or support of the building.
- Do not use as Fall Arrest Anchors.
- Be sure that panels are securely fastened to the roof to absorb the loads being transferred by the snow retention system.

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