

Snow Guard Guidelines

DETERMINING THE PROPER AMOUNT OF TORQUE FOR SET SCREWS will vary depending on the type and gauge of metal roofing. The recommended method for determining proper torque is to install one unit first, with blade on the uphill side. After tightening the set screws, loosen and remove the unit, inspecting the indentations created in the seam to see that proper compression was obtained. Remember, the screw closest to the blade is the real workhorse as it derives its strength from the blade, and if extra torque is needed, apply it to this screw.

WHEN MECHANICALLY FASTENING SNOW GUARDS, use sealant or neoprene washers to ensure watertight seals. It is imperative to secure these products to a structural membrane rafter or purlin at least 1.5 inches deep.

Berger Building Products, Inc (BBPI) snow guards are devices that are attached to the roof structure in order to provide uniform retention and control the snow from avalanching in large sheets. The snow guards need to be applied in sufficient quantity according to a prescribed pattern in order to be effective. Snow Guards are intended to reduce snow movement and provide for a controlled melt and breakdown of the snow mass into smaller sections. Snow guard placement will vary from region to region and will be influenced by roof pitch, the lengths of roof runs and roof features. Local installation customs may not be the best guide for placement. Additional information can be found in Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) architectural sheet metal manual. Ultimately a qualified professional should determine placement.

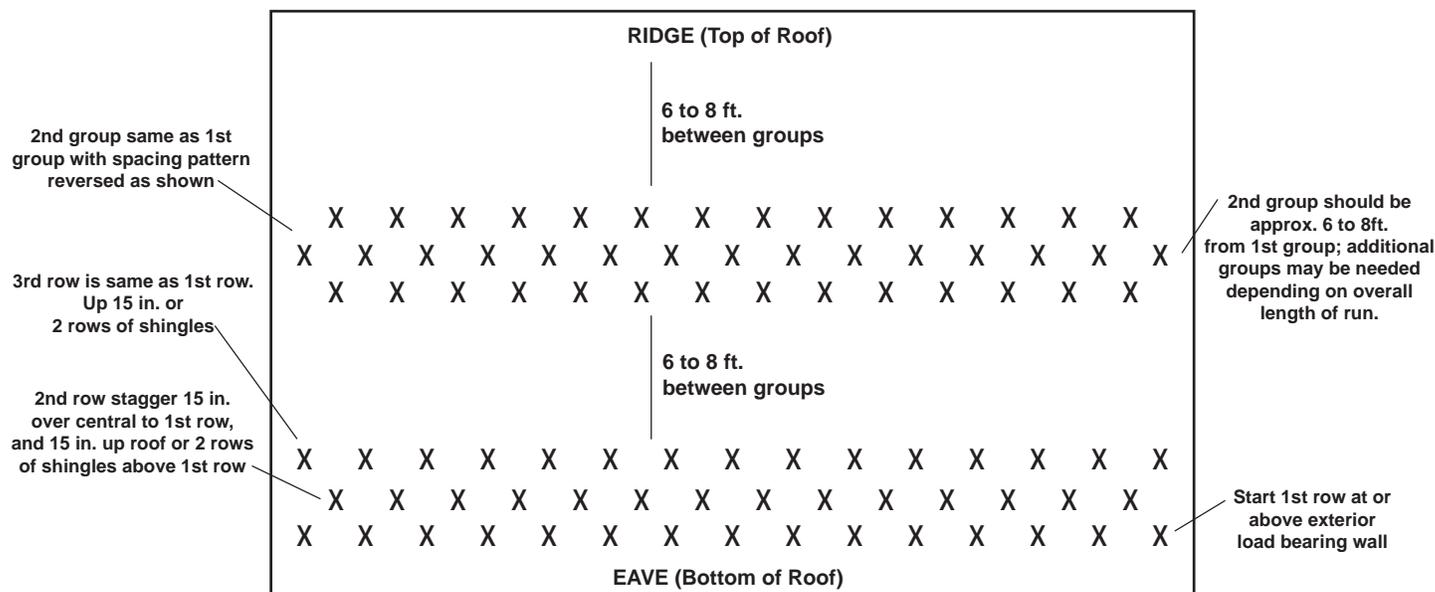
Use Of Snow Guards On Low-Slope Roofs

Snow guards help slow the momentum of a potential snow slide. On low-slope roofs (those with pitches less than 3:12), snow does not typically slide off in the same manner. Under these circumstances, it is often better to allow the snow to naturally clear itself from the roof as quickly as possible or to manually remove it if needed. Therefore, snow guards are not recommended for low-slope roof applications. Check with the roof manufacturer for specific product application limits and observe roof safety guidelines.

Snow Guard Pattern Requirements Typical For Shingled Roofing

Berger will provide a custom snow guard pattern recommendation. Please contact us at 800-523-8852 for your custom layout.

Snow guard patterns provided by Berger are only recommendations. Actual snow guard patterns should be approved by a licensed architect.



Positioning of Berger snow guards required for effective use: 1 every 40 inches over entire roof, or 2 groups of 3 staggered rows on 30 inch centers with 1 group at the eave and 1 group midway on roof slope. On long slopes, multiple groups with 6 ft. space separation maximum. **Snow guards should never be placed beyond the bearing wall on an extended roof section. This can result in ice damming and cause structural damage.**

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