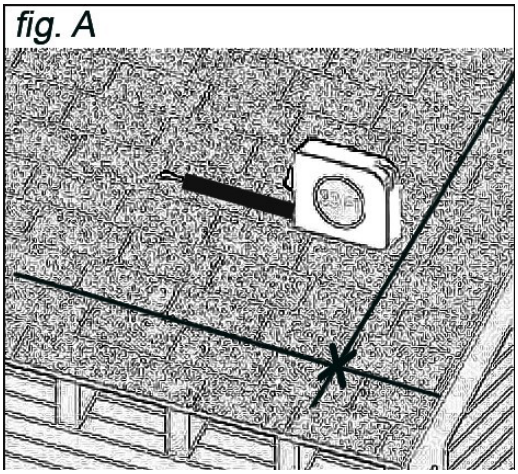
SSG-313H3AL-812BLK Snow Guard
Solar Snow Management

TYPICAL ROOF TYPE

- New / Existing Composition (Asphalt) Shingle

INSTALLATION



Flashing

1. Locate rafters. Snap horizontal and vertical lines to mark the rafter location (*fig. A*).
2. Determine install location of flashing and mark hole placement.

Note: Flashing must be pushed far enough up between shingles to prevent water infiltration through vertical joints.

3. Remove flashing and drill two pilot holes (1/4" diameter) for the lag bolts. Backfill with sealant. Alpine SnowGuards suggests an EPDM mastic.

Note: If not drilling pilot holes, sealant must be applied to the bottom of flashing.

4. Insert top of flashing up and under next row of shingles.

Bracket

1. Line up flashing with pilot holes. Place bracket directly over pilot and flashing holes.

Note: Flat edge of bracket should face downslope.

2. Install included washers and customer-supplied lag bolts (fasteners, may be lag bolts or preferred GRK RSS lag bolt replacement screws) through bracket and bushing of the flashing and into rafter.

Note: Exact torque setting will vary based on roofing substrate and fastener.

When fastened correctly, black material on bonded washer will compress to match edge of metal washer but should not extend past.

3. Install Pipes, Couplings, End Caps, End Collars, and optional Ice Flags (refer to Pipe-Style Installation Instructions.)

ALPINE SNOWGUARDS®

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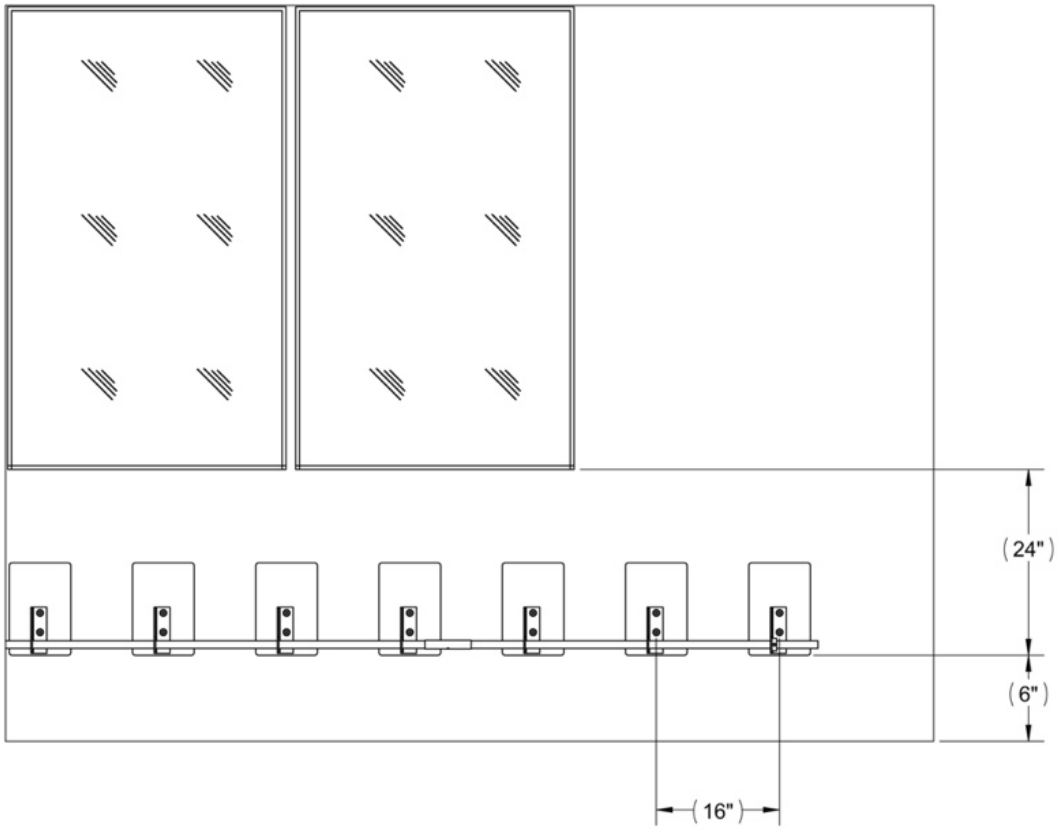
LAYOUT

- It is responsibility of installer or engineer on record to determine if structure is capable of supporting the retained loads.
- Snow guards must be installed into rafters.
- A 24" minimum landing zone between array and snow guards is required. (fig. B)
- Minimum distance for snow guard placement from eave is 6" or the second course of shingles. (fig. B)
- Do not install snow retention pipe/bar runs more than 100 feet long without a break to allow for thermal expansion.

fig. B



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