

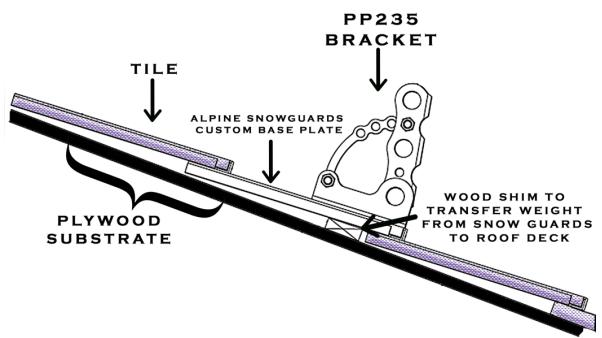
## Installation Instructions for PP235 Snow Guard (Ludowici Spanish, French, Flat & Other Custom Tile)

### I. For Bolt-Down Style Brackets on Tile Roofs

- A. Brackets should be mounted to the base plate using the hex bolts provided (unless bolts are welded to base plate) before the base plate is screwed or bolted to the roof deck.
- B. Install wood shim to support base plate on roof deck. Size/location of the shim required varies by tile profile and roof installation method. (See Fig. 1)
- C. Base plates should be securely bolted or screwed to the roof in place of a tile.

**Note:** Consult with an engineer or fastener company to determine the fastener required to attach the base plate to the building structure.

**FIG. 1**



- D. Install pipes, couplings, end caps and collars per [Pipe Accessories Install](#) document.

### Snow guard layout for pipe style brackets

- Contact the manufacturer for detailed layout.
- Do not install runs of snow retention more than 100 feet long without a break to allow for thermal expansion.
- First row of snow guards is installed above outer most wall or support of the building.

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