

# Technical Bulletin #6

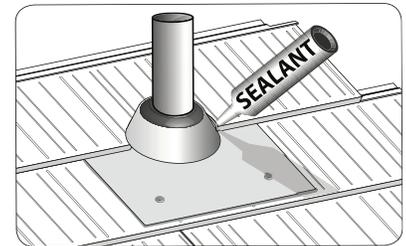
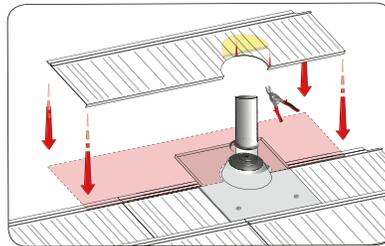
## INSTALLING SOLAR SYSTEMS OVER STONE COATED STEEL

**Date Issued:** June 18, 2014

When installing a solar panel system above a Boral Steel™ stone coated roof, mounting systems that use either vertical ‘Legs’ or ‘Brackets’ to support and elevate the solar panels above the roof material are available. The project specific solar panel manufacturer should be consulted as to the correct support height above the roof, the number of vertical ‘leg’ or ‘bracket’ supports and the fastening method for each, into the roof deck framing for the system being used.

### ‘Leg’ Support Method

Support ‘legs’ are to be flashed with pipe flashings in the same manner as a regular pipe penetration. The “Sandwich” method of placing the pipe flashing between two stone-coat panels is recommended. Refer to pipe penetration flashing details in the Boral Steel installation guides on our website.



**Solar System Flashing Mount:** A round pipe is often used to support solar systems, the details above can be used to flash the supporting solar members.

### ‘Bracket’ Support Method

Using ‘Brackets’ to support the solar panels eliminates penetrations through the roof panels, as the ‘Bracket’ is shaped to fit up and over the panel back lip allowing the bracket to exit between the panel courses and cantilevering past the nose of the upper covering panel. The solar panel manufacturer should be consulted for correct support height above the roof, number of ‘bracket’ supports & fastening method for each, into the roof deck. We recommended a wear-pad using a double layer of peel-n-stick underlay material be adhered to the underside of each ‘Bracket’ that rests on the stone-coat surface after it exits out from between two panels at the course line to prevent excess panel wear.

Installing a solar system above a stone-coated steel roof will not affect the limited warranty. The solar installation company takes full responsibility to ensure long-life weather-proof flashing procedures are followed wherever the roof panels are perforated with ‘Legs’ or ‘Brackets’ as described above.



Height Adjustable 18mm for Side Mountain Rails

*We reserve the right to amend or update these documents at any time.*