

This detail is intended to ensure the watertight integrity of a CertainTeed asphaltic low-slope roof system is maintained when securing a photovoltaic system on a low-slope roof by means of ballast trays with mechanical attachment. CertainTeed is not responsible for proper ballast design, mechanical attachment or calculations.

Protective Membrane

Centered beneath each ballast tray location and extending a minimum 6" beyond the ballast tray perimeter, adhere any Flintlastic® SBS-Modified cap sheet to the top surface of the existing asphaltic low-slope roof system with FlintBond® SBS-Modified Adhesive, Trowel Grade.

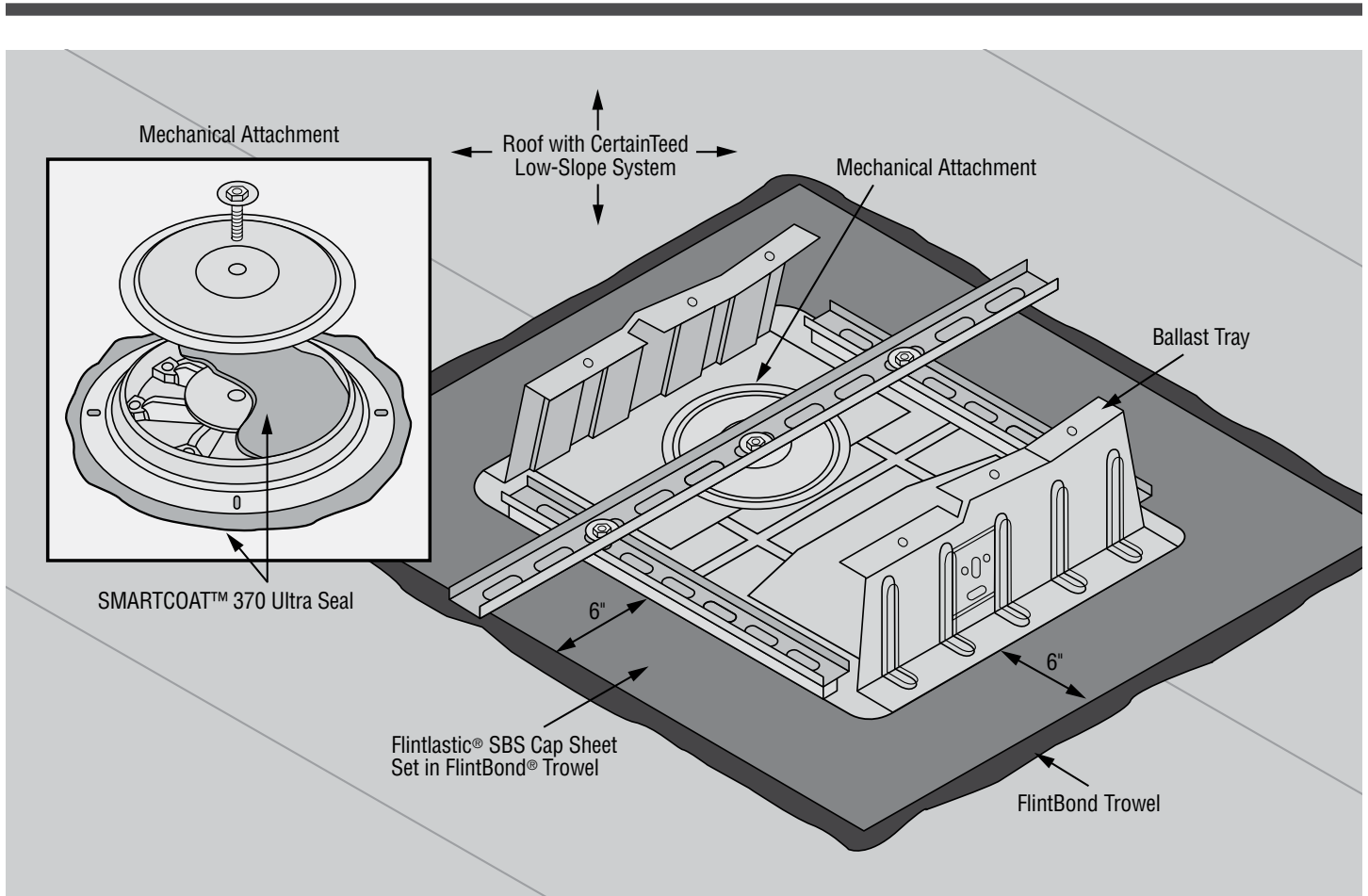
Mechanical Flashing - Step 1

Apply a 5/16" bead of SMARTCOAT™ 370 UltraSeal to the entire bottom perimeter AND to the bottom of each bolt

location to be used. Tool 370 sealant bead to form a smooth surface along the entire bottom perimeter. Position mount. Fasten mount base to the roof using fasteners approved by designer of record and/or mount manufacturer. Drive screws down until the base is firmly attached to the roof and the 370 sealant expands beyond the outer perimeter of the base. Tool 370 sealant bead around entire perimeter of mount base.

Mechanical Flashing - Step 2

Completely fill mount base with SMARTCOAT 370 UltraSeal. Sealant must completely cover all screw heads. Do NOT overfill. Place cap on base and secure racking to mount with hardware provided by mount manufacturer or specified by professional engineer of record.



NOT DRAWN TO SCALE