Tile Conduit Penetration Flashing | QMCPT

Drawing 1

THIS EDGE TOWARDS ROOF RIDGE

Ø 4.25
Ø 2.67

18.00

6.50

9.00

18.00

THIS EDGE TOWARDS ROOF RIDGE

Ø 4.31
Ø 2.67

9.00

4.50

3.50

9.00

SUB FLASHING
ITEM 1

B

2.45

2.65

4.50

9.00

DETAIL B
SCALE 1 : 4

NOTES APPLY TO UPPER AND
LOWER COUNTER FLASHINGS

TOP ID FOR 1/2" CONDUIT
CUT HERE FOR 3/4" CONDUIT
CUT HERE FOR 1" CONDUIT

APPLY EPDM COMPATIBLE SEALANT
WHERE CONDUIT CONTACTS COUNTER FLASHING

ITEM NO.	DESCRIPTION	QTY.
1	SUB-FLASHING, CONE, 9"X9"X.020"/.032", 3003 AL, MILL	1
2	FLASHING, CONE, 18"X18"X.032", 3003 AL, MILL	1
3	COUNTER FLASHING, CONDUIT, 1/2", 3/4", 1", EPDM RUBBER	2

2
3
3
1

NOTES:
1. AVAILABLE IN MILL FINISH, AND BRONZE ANODIZED FINISH.
2. FLASHINGS MAY BE SPUN, OR PRESSED
3. ITEM 1 MATERIAL THICKNESS:
   .020" SPUN, .032" PRESSED

Quick Mount PV

TITLE:
QMCPT: CONDUIT PENETRATION FLASHING, TILE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/8 TWO PLACE DECIMAL ±.19 THREE PLACE DECIMAL ±.094	SIZE **A**	DRAWN BY: RAD	REV **5**
		DATE: 8/17/2016	
	SCALE: 1:8	WEIGHT: 1.33	SHEET 1 OF 2

DO NOT SCALE DRAWING

5   4   3   2   1

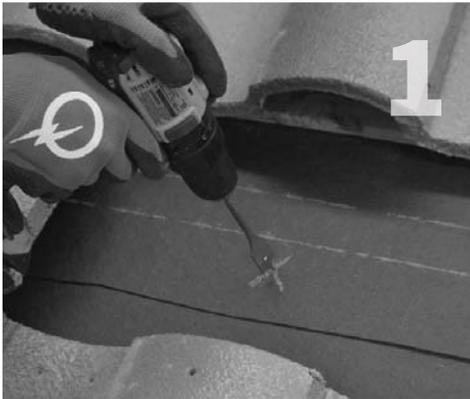**Quick Mount PV®**
RESPECT THE ROOF

# Tile Conduit Penetration Flashing Installation Instructions

Installation Tools Required: tape measure, drill with paddle bit, caulking gun and sealant compatible with roofing material, hook blade, hammer, roofing nails, whisk broom, roofing bar, grinder with diamond blade.

1 Drill your conduit hole next to the rafter so you can secure the conduit below the roof surface (see Drawing 2). For 1/2" conduit, drill a 7/8" hole; for 3/4" conduit, drill a 1" hole; for 1" conduit, drill a 1-1/4" hole.
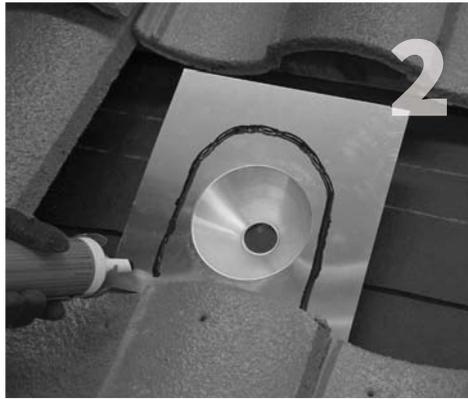
2 Apply sealant compatible with the roofing material on the underside of the subflashing in and upside down U.
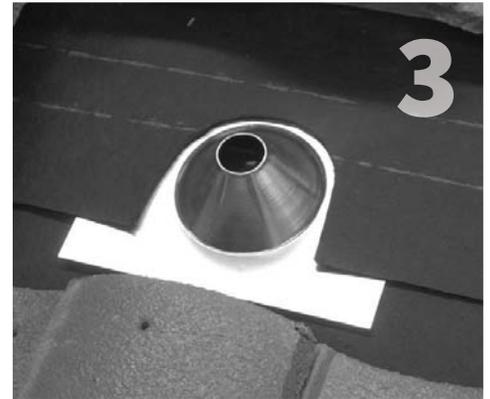
3 Clear away any dust and debris and install subflashing. Waterproof at underlayment level according to roofing manufacturer instructions and Tile Roofing Institute Guidelines.


4 Under the top layer of felt, secure the subflashing with 2 roofing nails at the top corner of the subflashing. Apply sealant over the nail heads.
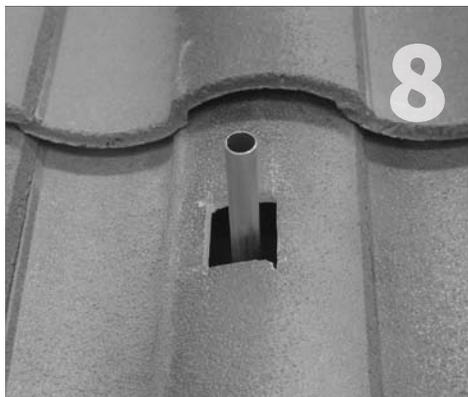

5 Cut the EPDM collar to appropriate conduit size (see Drawing 1, Detail B on cover).
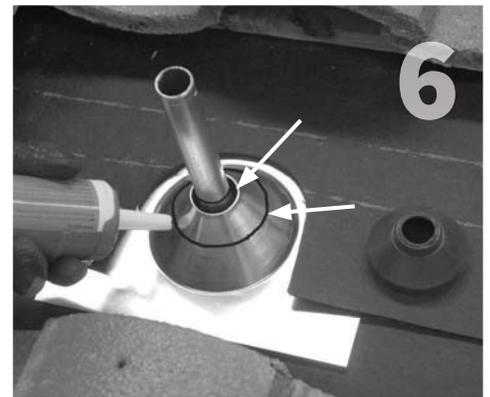
6 Apply a bead of sealant compatible with both the roofing material and EPDM rubber to both the flashing and the conduit in the location of the EPDM collars final position.
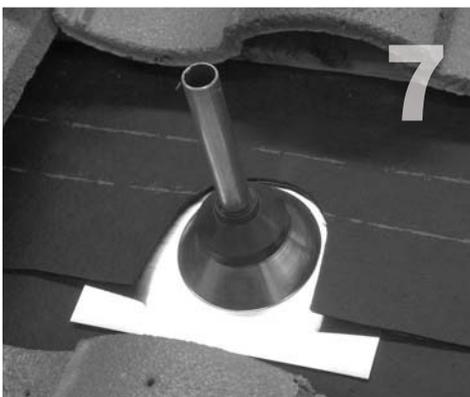
7 Slide the collar over the conduit all the way down to the flashing.

8 With a diamond blade on a grinder or skill-saw, cut tile to allow conduit to pass through. Place cut tile back in position.

9 Bend the flashing to follow the contour of the tiles. Place flashing over conduit and tuck it up under the next course of tiles.

Apply a bead of sealant compatible with the EPDM rubber to both the flashing and the conduit in the location of the EPDM collars final position.

Slide the appropriately cut collar over the conduit all the way down to the flashing.
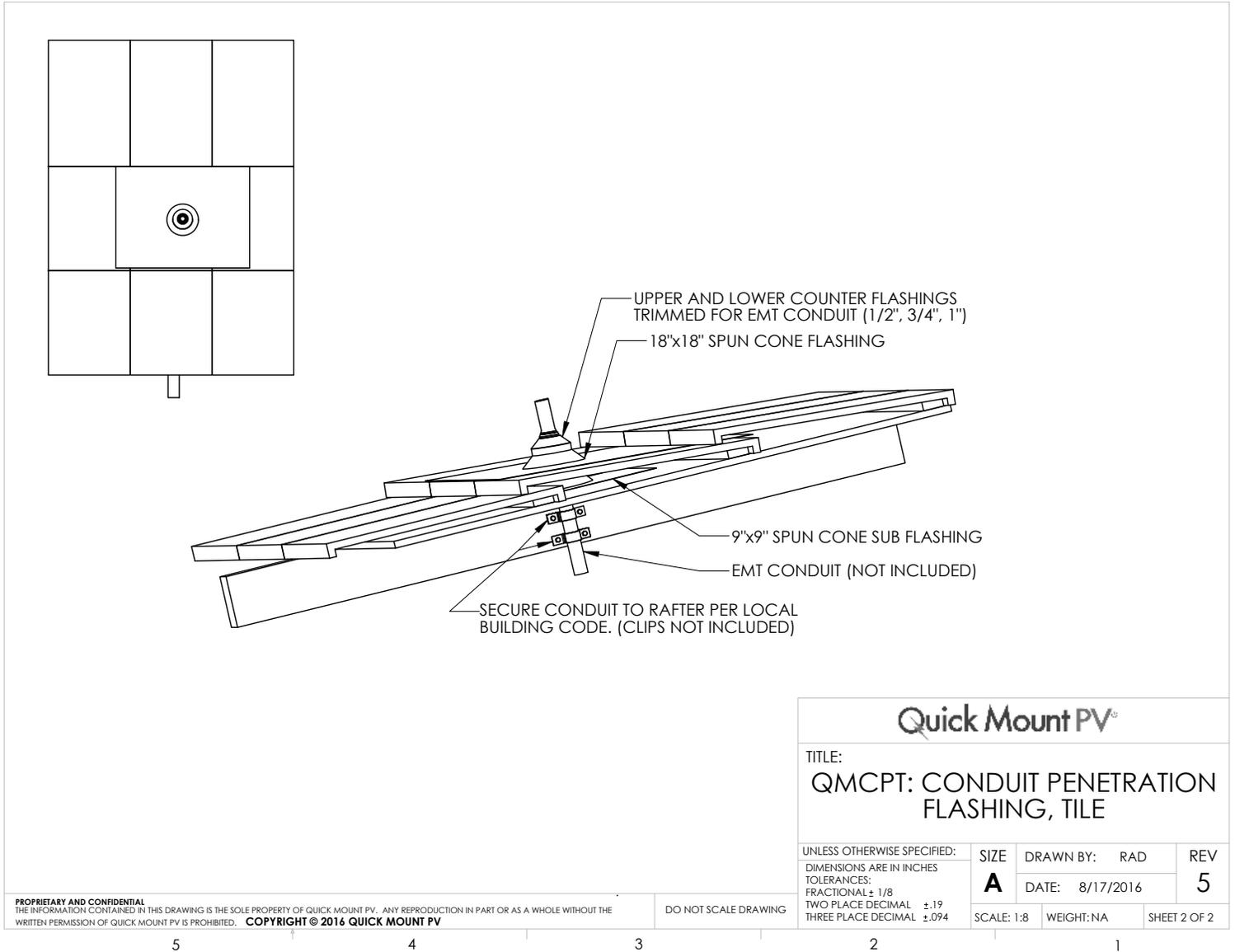
Your conduit penetration flashing is now complete and ready for additional electrical work. Be sure to secure conduit to rafters below the roof surface per local building codes and NEC code requirements.

All roofing manufacturers' written instructions must also be followed Please consult the roof manufacturer's specs and instructions prior to touching the roof.

WARNING: Quick Mount PV products are NOT designed and should NOT be used to anchor fall protection equipment.

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Drawing 2

UPPER AND LOWER COUNTER FLASHINGS
TRIMMED FOR EMT CONDUIT (1/2", 3/4", 1")

18"x18" SPUN CONE FLASHING

9"x9" SPUN CONE SUB FLASHING

EMT CONDUIT (NOT INCLUDED)

SECURE CONDUIT TO RAFTER PER LOCAL
BUILDING CODE. (CLIPS NOT INCLUDED)

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		DATE: 8/17/2016	
	SCALE: 1:8	WEIGHT: NA	SHEET 2 OF 2

DO NOT SCALE DRAWING

5   4   3   2   1

Quick Mount PV®

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