**ARCHITECTURAL SPECIFICATION INFORMATION**

**Pos-i-Tie® and Thermal Clip®**

Eliminates Thermal Shorts

Designed exclusively for:

**The Original Pos-i-Tie® Veneer Anchoring System**

- **ThermalClip®** creates a break in the thermal transfer between the veneer wire tie and the barrel.

- **ThermalClip®** allows for use of dissimilar metals between the veneer anchor and barrel screw.

- The Pos-i-Tie® ThermalClip® system fully complies with all code requirements.

- Offers efficient labor and cost-saving installation.

- Safe to install. No "spinning wings" that can potentially cause damage to fingers.

- Pos-i-Tie® Barrel section is made of Zamac 3, a 92% zinc alloy which is highly resistant to corrosion. No need for stainless barrels in the backup wall.

- Allows for use of 4' x 8' insulation sheets. The Pos-i-Tie® holds the insulation in place!

- EPDM washer completely seals the hole blocking ALL air and moisture penetration. There is no need for an internal washer.

- Pullout & compression loads exceed code requirement.

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**Steel Stud Backup Wall Application**

- Drills directly through insulation, vapor barrier and dens glass sheathing to the steel stud backup.

- EPDM washer completely seals the hole blocking ALL air and moisture penetration.

- Tested and passed E-331 moisture and vapor barrier test.

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**Concrete/CMU Backup Wall Application**

- This application can be used with Concrete, CMU, ICF, Wood, and Brick backup walls.

- Pre-drill pilot hole using the Con-Drive® Adapter and drill bit as explained in the INSTALLATION section.
Pos-I-Tie® ThermalClip® Installation

Install the Original Pos-I-Tie® into the backup wall using a chuck adapter and power drill.

Insert the ThermalClip® as shown and fold over the head of the Original Pos-I-Tie® Anchor.

The ThermalClip® is secured when both sides are snapped into place.

Insert the pintle wire tie or stone anchor into the two holes of the ThermalClip®.

Composite Resin Material:
- High strength composite resin acts as a thermal break between the wire tie and the Barrel Screw.
- The proprietary composite resin has very low thermal conductivity; over 100 times less than metals such as steel.
- Flame resistant with a UL 94 V-0 rating
- Meets “freeze-thaw” conditions
- No reaction with alkalines in mortar

Screw Types

3 types of screws for various types of backup walls.
- Concrete / CMU ICF / Wood Screw
- Steel Stud Screw
- Structural Steel Screw

Thermal Testing

- Thermal break head transfers less heat from inside to outside
- Reduces the impact of the steel connector thermal short
- May improve overall wall system R-value 1% to 3%

Barrel Lengths

The Original Pos-I-Tie® is available in 9 Barrel Lengths - from 5/8” to 4-1/2”

Wire Ties & Stone Anchors

#282-N Double Pintle Wire Ties:
- 3/16” diameter x 3”, 3-1/2”, 4” & 5”. Special Lengths are available.
- Seismic Clip available.
- Hotdip After Fabrication, Stainless Steel.

#78 Stainless Steel Pintle Stone Anchors:
- 1/8” thick x 2” wide. Made to Order.
- See Pos-I-Tie® KeyBolt for heavier applications.