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ARCHITECTURAL SPECIFICATION INFORMATION



Patent Pending

For Attaching Brick Veneer to Wood Frame or Concrete/CMU Backup Walls



Greater Seismic Performance than Standard Corrugated Wall Ties and Complies with OSHA Safety Requirements



A More Efficient and Less Costly Alternative to Dovetail Anchoring Systems.

#383 WWTA™ Features:

- Complies with OSHA safety requirements. Can be safely installed in advance without danger of injury from the protruding sharp edges found in standard corrugated wall ties.
- Complies with ACI 530 building code requirements for masonry structures, UBC, IBC.
- Complies with the latest seismic building code recommendations. Related article: "Seismic Performance of Modern Masonry" report in *The Construction Specifier Magazine*, December 2009 issue.
- Winged Anchor features two wing holes allowing for maximum allowable vertical adjustment of the wire tie for placement into the mortar bed.
- Winged Anchor is die cast from non-corrosive Zamak 3 Zinc Alloy material. Wire ties are Hotdip Galvanized After Fabrication. WWTA™ System is not available in Stainless Steel.
- Standard WWTA™ Pintle Wire Tie is hotdip galvanized after fabrication – 9 gage x 3-1/2" long for a 1" airspace. Custom sizes are available.
- Seismic Pintle Wire Ties are available for IBC seismic zones D, E and F.



For more information about the Winged Wire Tie Anchoring System, please visit our website.

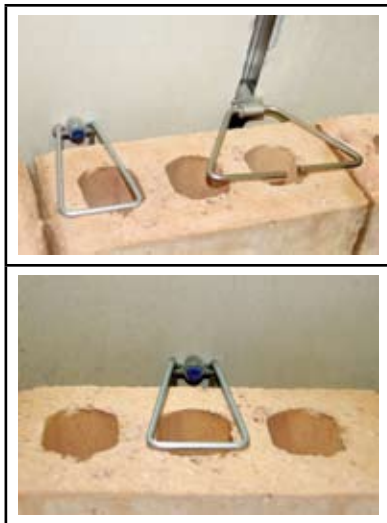
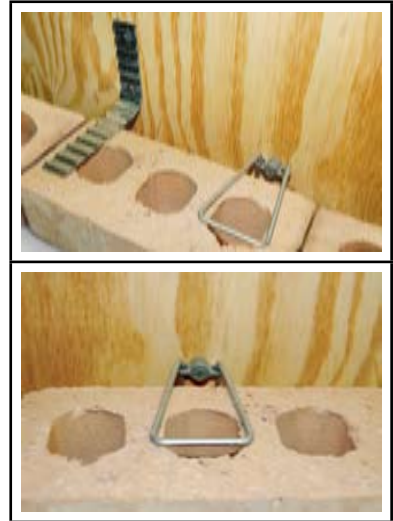
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WWTA™ Advantages Over Standard Corrugated Wall Ties:

- Flimsy corrugated wall ties provide minimal compression resistance & allow moisture to sit on the strap promoting oxidation.
- Standard corrugated wall ties require 2 fasteners for installation. The WWTA™ only requires 1 wood screw, making it easier and quicker to install.
- Winged Anchor is attached to wood stud using a 2-1/2" wood screw. The screw is always concentric with the load to resist larger forces with the same fastener. (**note:** ACI 530 code requires screw to penetrate into wood stud a minimum of 1-1/4". The 2-1/2" screw allows for the 1/2" thickness of the winged anchor and a maximum plywood thickness of 3/4".)



WWTA™ Advantages Over Dovetail Anchoring Systems:

- The WWTA™ system provides greater anchoring performance. Dovetail Anchoring Systems allow greater free play than the WWTA™. Excessive free play can cause cracking in the masonry veneer, especially under high wind loads.
- The materials required for the WWTA™ system are significantly less costly than the materials required for Dovetail Anchoring System.
- The WWTA™ system is much easier to install. The methods used for installing Dovetail Anchoring Systems are time consuming and can also potentially damage the actual concrete forms. The WWTA™ is installed after the concrete form is poured. The Winged Anchor is fastened to the concrete backup wall using a single Concrete/CMU Screw and is installed in a matter of seconds.

Seismic Performance of Modern Masonry

The picture on the right shows the results of using standard corrugated wall ties during a simulated earthquake test. The arrows in the photo highlight corrugated wall ties that failed during testing. For greater seismic performance, use the WWTA™ in place of standard 22 gage corrugated wall ties.

For more information regarding the results of recent shaking-table tests on three-dimensional structures, see the "Seismic Performance of Modern Masonry" report in *The Construction Specifier Magazine*, December 2009 issue.



Brick veneer wall falls under moderate earthquake when attached with 22Ga wall ties and nails.