

# Installation of Hurricane Ties

## Placement on the Interior or Exterior Side of Walls

A common method to make the roof to wall connection is with the use of hurricane ties. Most hurricane ties connect the roof to the top plate only. To maintain a continuous load path, a connection must be made to transfer load through the top plate to the wall.

There are multiple methods and connection options to transfer load through the top plate including those mentioned in this bulletin.

- **Wall Sheathing** – Requires sheathing to be properly fastened to framing per building code requirements. The recommended location of the roof to top plate hurricane ties is on the exterior side of the wall (same side as the structural sheathing) when this method is used.
- **MiTek USP Plate to Wall Stud Connectors** – This option is used when the installation of the roof to top plate hurricane ties on the exterior (structural sheathing) side is not feasible or possible.

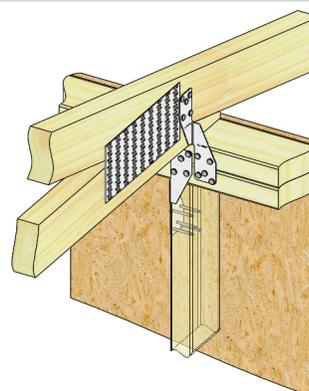
Installation of roof to top plate hurricane ties on the interior face of the wall framing may require additional connectors to transfer the load through the top plate to wall framing. Reference 2008 and 2015 AWC Special Design Provisions for Wind and Seismic (SDPWS) Section 4.4.1.5, 2015 AWC Wood Frame Construction Manual (WFCM) Section 3.2.3.5, and 2014 ICC600-2014 Section 504.1.

### Top Plate to Wall Connector Options

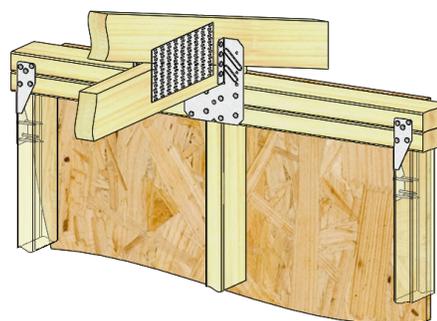
Suggested connectors:

TSP  
 RSPT6  
 RT7A  
 SPT22

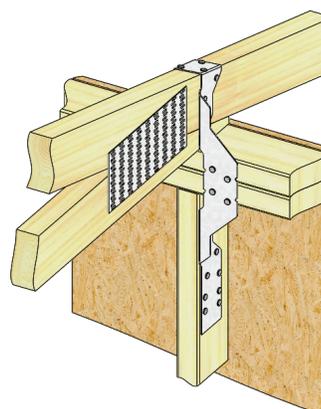
Additional connections to resolve uplift and lateral loads to the foundation, completing the continuous load path will need to be evaluated. Some jurisdictions will require the Engineer of Record to specify the type of connector, sheathing, fasteners, and fastener patterns. In the absence of engineered plans, always follow local building code provisions and prescriptions.



Two hurricane ties for roof to top plate and to stud to top plate connections. (2) RT7A's shown.



Hurricane Ties on adjacent studs to transfer roof load from top plate to wall studs. RT16 and (2) RT7A's shown.



Hurricane Tie that connects roof truss directly to stud. RT20 shown.

### Customer Service & Technical Assistance

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