



**BUILDING OFFICIAL DETERMINATION
No. 4**

Issue: Can Simpson Strong-Tie H 2.5A ties be mounted on the interior side of the wall?


Rule: 2012 IRC R804.3.9 ROOF TIE-DOWN. Roof assemblies subject to wind uplift pressures of 20 pounds per square foot or greater, as established in Table R301.2(2), shall have rafter-to-bearing wall ties in accordance with Table R802.11. Manufacturer's installation specifications require a continuous path of resistance from the truss to the foundation mud sill. A single H2.5A used as a truss tie-down for uplift resistance must be mounted on the exterior of the bearing wall to prevent eccentric loading.

Application: The manufacturer lists alternative truss tie configurations in its publication T-HTIECONPATH10. H2.5A ties are allowed on the interior side of a wall in conjunction with other ties and configurations.

Determination: If a single H2.5A truss tie is used to attach a truss to a bearing wall, it must be mounted on the exterior of the bearing wall. The special nailing instructions listed by the manufacturer for this application must be followed.

An H2.5A truss tie may be mounted on the interior side of a bearing wall if the stud is stacked directly underneath the truss, and the truss is tied to the plates, and the plates are tied to the stud, as shown and described in Simpson Strong-Tie publication T-HTIECONPATH10, figure 3 or 4.


David Wardell, Building Official


Date