

META/HETA/HHETA/HETAL/DETAL/TSS/TBP8

Embedded Truss Anchors and Truss Seat Snap-In

The embedded truss anchor series provides an engineered method to properly attach roof trusses to concrete and masonry walls. The products are designed with staggered nail patterns for greater uplift resistance. Information regarding the use of two anchors on single- and multi-ply trusses is included.

Simpson Strong-Tie provides two different moisture barrier plates between the concrete/masonry and truss. The TSS is a preassembled, companion product of the META. The TBP8 seat plate also provides a moisture barrier installed prior to truss placement. The seat plate is installed with prongs, instead of fasteners.

The DETAL20 is a high-capacity embedded truss anchor for attachment of single-ply trusses to concrete and masonry walls. It combines dual embedded anchors with a structural moisture-barrier seat that is partially embedded in the concrete or grout. This seat serves to protect the truss and also provides additional lateral and uplift capacity. The embedded anchors are pre-attached to the moisture barrier through slots that allow for a slight amount of adjustability, providing flexibility during installation to avoid rebar. The moisture-barrier seat includes tabs at each end for optional attachment to the form board in concrete tie-beam applications.

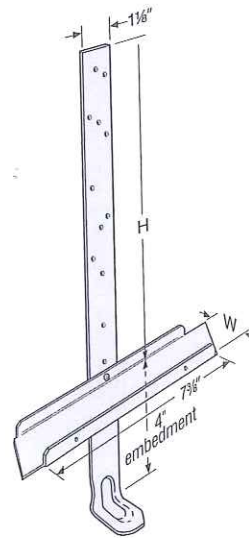
Material: HHETA — 14 gauge; HETA — 16 gauge; HETAL — strap 16 gauge, truss seat 18 gauge; META — 18 gauge; TSS/TBP8 — 22 gauge; DETAL — 16 gauge (Barrier — 18 gauge)

Finish: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, pp. 15–18.

Installation:

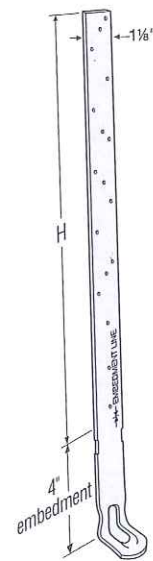
- Use all specified fasteners; see General Notes.
- The META, HETA and HHETA are embedded 4" into a 6" min. concrete beam or 8" nominal grouted block wall; HETAL is embedded 5 1/16"; DETAL is embedded 4 1/2".
- The DETAL20 is installed centered and flush on top of an 8" masonry bond beam or concrete tie beam. The moisture barrier seat bears on masonry face shell or concrete tie beam form boards; the two flanges embed into grout or concrete. The two embedded anchors shall be installed vertically into grout or concrete.
- The TSS moisture barrier may be preattached to the truss using 6d commons.
- For mislocated truss anchors which are greater than 1/8" but less than 1 1/2" from the face of the truss, a shim must be provided. Shim design by Truss Engineer. When gap is greater than 1 1/2", install new anchors.
- In double embedded anchor installations, do not install fasteners where the straps overlap when wrapped over the truss heel.

Codes: See p. 14 for Code Reference Key Chart

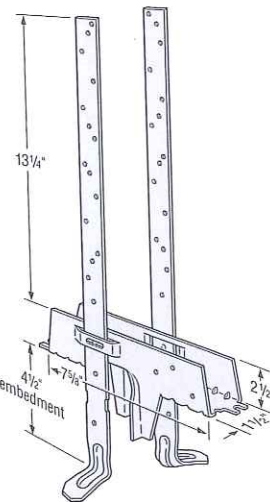


META with TSS

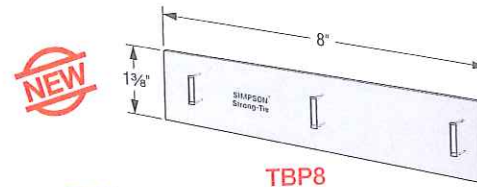
Model No.	W (in.)
TSS2	1 3/4
TSS2-2	3 1/8
TSS4	3 3/8



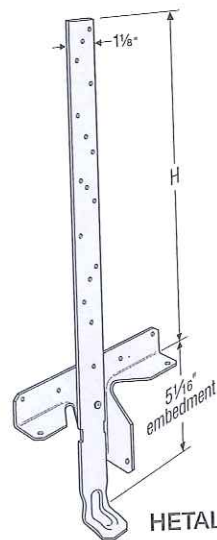
HETA20
(HHETA similar)



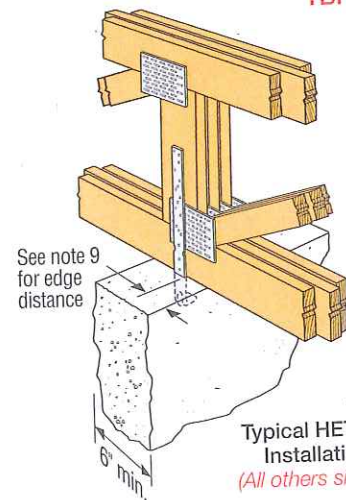
DETAL20
U.S. Patent 7,987,636



TBP8

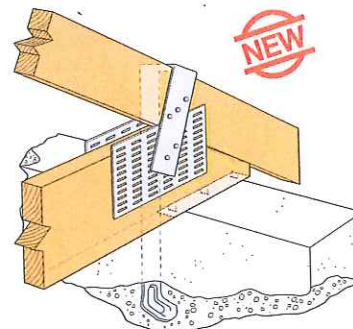


HETAL

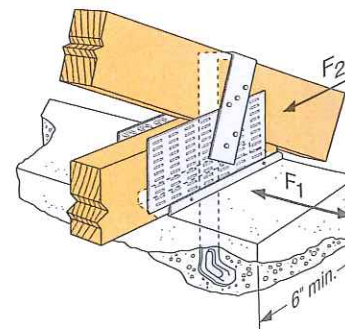


Typical HETA20 Installation
(All others similar)

Moisture barrier not shown (typ)



Typical META Installed with TBP8



Typical META Installed with TSS