

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. New to this year's catalog is information regarding the use of two anchors on single- and multi-ply trusses.

The TSS, a companion product of the META, provides a moisture barrier between the concrete and truss. The preassembled unit is riveted with no height adjustment.

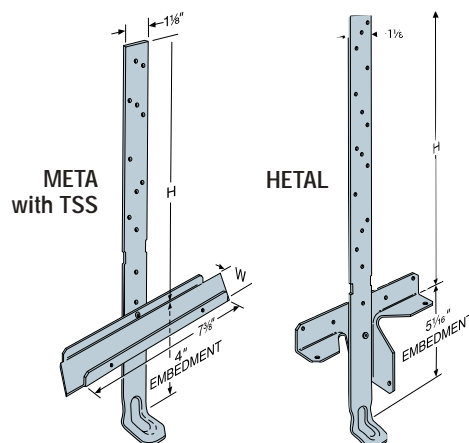
MATERIAL: HHETA-14 gauge; HETA-16 ga; HETAL strap 16 gauge, truss seat 18 gauge; META-18 gauge; TSS-22 gauge.

FINISH: Galvanized. Some products available in Z-MAX; see Corrosion Resistance, page 7.

INSTALLATION: • Use all specified fasteners. See General Notes.

- The META, HETA and HHETA are embedded 4" into a concrete beam or grouted block wall; HETAL is embedded 5 1/8".
- Do not drive nails through the truss plate on the opposite side of the truss, which could force the plate off the truss.
- The TSS moisture barrier may be preattached to the truss using 6d commons.

CODES: See page 8 for Code Listing Key Chart.



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

Model No.	H	Fasteners & Uplift										Lateral Loads (133 & 160)				Code Ref.
		1 Ply Truss	Doug-Fir-Larch/So. Pine Uplift		Spruce-Pine-Fir Uplift		2 or 3 Ply Truss	Doug-Fir-Larch/So. Pine Uplift		Spruce-Pine-Fir Uplift		Doug-Fir-Larch/So. Pine		Spruce-Pine-Fir		
			(133)	(160)	(133)	(160)		(133)	(160)	(133)	(160)	F ₁	F ₂	F ₁	F ₂	
META12	8	7-10dx1 1/2	870	1040	745	895	7-16d	1270	1500	1090	1310	335	635	270	545	160
META14	10	10-10dx1 1/2	1240	1490	1065	1280	10-16d	1500	1500	1500	1500	335	635	270	545	
META16	12	12-10dx1 1/2	1490	1500	1280	1500	10-16d	1500	1500	1500	1500	335	635	270	545	
META18	14	14-10dx1 1/2	1500	1500	1495	1500	10-16d	1500	1500	1500	1500	335	635	270	545	
META20	16	14-10dx1 1/2	1500	1500	1500	1500	10-16d	1500	1500	1500	1500	335	635	270	545	
META22	18	14-10dx1 1/2	1500	1500	1500	1500	10-16d	1500	1500	1500	1500	335	635	270	545	
META24	20	14-10dx1 1/2	1500	1500	1500	1500	10-16d	1500	1500	1500	1500	335	635	270	545	
META40	36	14-10dx1 1/2	1500	1500	1500	1500	10-16d	1500	1500	1500	1500	—	—	—	—	
HETA12	8	6-10dx1 1/2	745	895	640	770	6-16d	1095	1315	945	1135	335	730	270	625	8, 62, 123
HETA16	12	11-10dx1 1/2	1365	1635	1175	1410	11-16d	1890	1890	1730	1890	335	730	270	625	
HETA20	16	10-10dx1 1/2	1240	1490	1065	1280	10-16d	1825	1890	1575	1890	335	730	270	625	62, 123
		12-10dx1 1/2	1490	1785	1280	1535	12-16d	1890	1890	1890	1890	335	730	270	625	
		14-10dx1 1/2	1735	1890	1495	1790	12-16d	1890	1890	1890	1890	335	730	270	625	8, 62, 123
		16-10dx1 1/2	1890	1890	1705	1890	12-16d	1890	1890	1890	1890	335	730	270	625	
HETA24	20	16-10dx1 1/2	1890	1890	1705	1890	12-16d	1890	1890	1890	1890	335	730	270	625	123
HETA40	36	8-10dx1 1/2	990	990	855	1025	8-16d	1460	1755	1260	1510	—	—	—	—	
HHETA16	12	12-10dx1 1/2	1505	1805	1310	1575	12-16d	2225	2310	1920	2305	335	730	270	625	160
HHETA20	16	17-10dx1 1/2	2130	2310	1860	2230	15-16d	2310	2310	2310	2310	335	730	270	625	
HHETA24	20	21-10dx1 1/2	2310	2310	2295	2310	15-16d	2310	2310	2310	2310	335	730	270	625	
HHETA40	36	22-10dx1 1/2	2310	2310	2310	2310	15-16d	2310	2310	2310	2310	—	—	—	—	
HETAL12	7	10-10dx1 1/2	745	895	640	770	10-16d ²	1095	1315	945	1135	415	1100	355	945	8, 62, 123
HETAL16	11	15-10dx1 1/2	1365	1635	1175	1410	15-16d ²	1890	1890	1730	1890	415	1100	355	945	
HETAL20	15	20-10dx1 1/2	1890	1890	1705	1890	20-16d ²	1890	1890	1890	1890	415	1100	355	945	

1. Allowable loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed; reduced where other loads govern.
2. Five nails must be installed into the truss seat.
3. Parallel-to-Plate load towards face of HETAL is 1975 lbs.
4. META, HETA and HHETA with H=12" and greater have the strap wrapped over the heel to provide higher lateral loads.
5. Minimum f'c is 2,000 psi.

Model No.	H	Fasteners & Uplift										Lateral Loads (133 & 160)				Code Ref.
		1 Ply Truss ² Total	DFL/SP Uplift		SPF Uplift		2 or 3 Ply Truss	DFL/SP Uplift		SPF Uplift		DFL/SP		SPF		
			(133)	(160)	(133)	(160)		(133)	(160)	(133)	(160)	F ₁	F ₂	F ₁	F ₂	
Double Embedded Anchor Installation Into Grouted CMU Bond Beam																
META12	8	14-10dx1 1/2	1960	1985	1560	1705	14-16d	1900	1900	1635	1635	1210	1160	1040	1000	160
META14 to 40	Varies	16-10dx1 1/2	1985	1985	1705	1705	14-16d	1900	1900	1635	1635	1210	1160	1040	1000	
HETA12	8	14-10dx1 1/2	1960	2035	1565	1750	14-16d	2500	2500	2150	2150	1225	1520	1055	1305	
HETA16 to 40	Varies	16-10dx1 1/2	2035	2035	1750	1750	14-16d	2500	2500	2150	2150	1225	1520	1055	1305	

1. For concrete tie beam applications for 2 or 3 ply trusses, increase the META load 35% and the HETA load 8%.
2. Divide total number of fasteners equally between both straps.
3. Minimum f'c is 2,500 psi.

