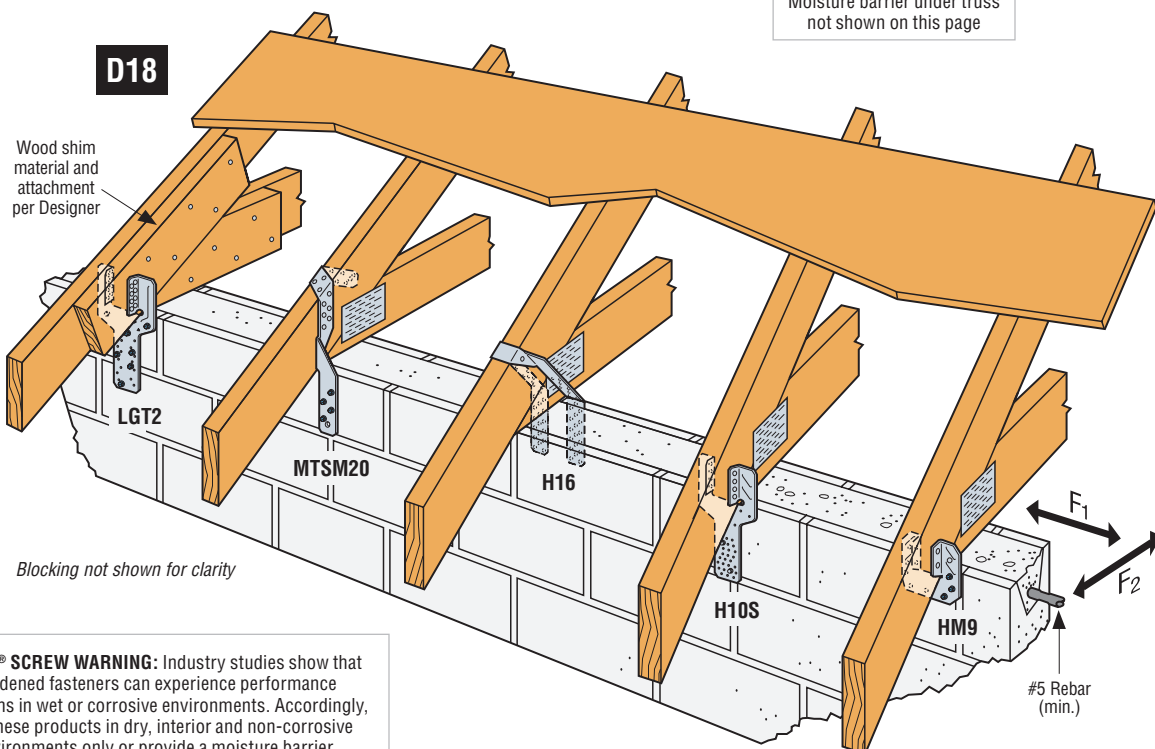
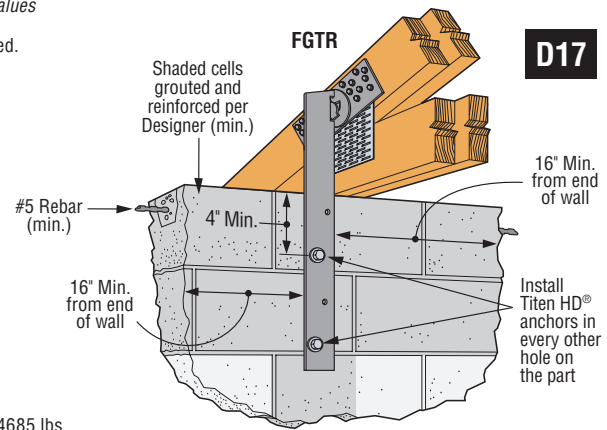


POST INSTALLED TRUSS/RAFTER TO MASONRY/CONCRETE

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

Model No.	Qty. Req'd	Fasteners to Block	Uplift One-Ply Truss		Uplift Two-Ply Truss		Lateral Load	
			Fasteners to Truss/Rafter (Total)	DF/SP Uplift (160)	Fasteners to Truss/Rafter (Total)	DF/SP Uplift (160)	Parallel to Plate (F ₁)	Perp. to Plate (F ₂)
HM9KT	1	5-1/4"x2 1/4" Titen ⁴	4-SDS 1/4"x1 1/2"	595	N/A	N/A	425	200
HGAM10KTA	1	4-1/4"x2 1/4" Titen ⁴	4-SDS 1/4"x1 1/2"	850	N/A	N/A	1005	1105
MTSM16, MTSM20	1	4-1/4"x2 1/4" Titen ⁴	7-10dx1 1/2	860	7-10d	860	235 ⁶	90 ⁶
H10S	1	2-3/8"x4" Titen HD	8-8dx1 1/2	1065	N/A	N/A	—	—
HTSM16, HTSM20	1	4-1/4"x2 1/4" Titen ⁴	8-10dx1 1/2	1175	8-10d	1175	235 ⁶	90 ⁶
H16 ⁵	1	6-1/4"x2 1/4" Titen ⁴	2-10dx1 1/2	1470	N/A	N/A	—	—
H16-2 ⁵	1	6-1/4"x2 1/4" Titen ⁴	N/A	N/A	2-10dx1 1/2	1470	—	—
LTT20B ²	1	1-1/2", 5/8", 3/4" ATR	10-10dx1 1/2	1650	10-16d	1750	—	—
MTSM16, MTSM20	2	8-1/4"x2 1/4" Titen ⁴	14-10dx1 1/2	1650	14-10d	1650	235 ⁶	205 ⁶
HTSM16, HTSM20	2	8-1/4"x2 1/4" Titen ⁴	16-10dx1 1/2	1900	16-10d	1900	235 ⁶	205 ⁶
LGT2	1	7-1/4"x2 1/4" Titen ⁴	16-16d Sinkers ³	2150	16-16d Sinkers	2150	700	170
FGTR ^{7,8,9,10}	1	2-1/2"x5" Titen HD	18-SDS 1/4"x3" ³	5000	18-SDS 1/4"x3"	5000	—	—

- For SPF trusses multiply table uplift and F₂ loads by 0.86 for nailed applications and 0.72 for Simpson Strong-Tie® Strong-Drive® screws (SDS) for uplift and F₂ directions (use F₁ values as shown). Higher loads may be possible (contact Simpson Strong-Tie).
- Add a standard cut washer to seat of LTT20B when 1/2" or 5/8" diameter anchor bolt is used.
- Product may be used for a single-ply truss provided the truss is blocked to receive 3" Simpson Strong-Tie® Strong-Drive® screws (SDS) or 16d sinkers and blocking is attached to the truss to act as a single unit.
- For concrete applications use 1/4"x1 1/4" Titen® screws.
- H16/H16-2 factory sloped to 5:12, but 3:12-7:12 roof slope is acceptable.
- When installing MTSM and HTSM connectors, the following installation instructions are required for lateral loads to apply:
 - The first four holes for Titen® screws after the bend area must be filled on the concrete/masonry end of the connection.
 - The first seven nail holes after the bend area must be filled with 10dx1 1/2 nails on the wood end of the connection. Any additional required nails may be placed in any open hole on the wood end of the strap.
 - MTSM/HTSM connectors shall be installed on opposite faces of masonry/concrete to achieve loads listed for two connectors. If installed on same face of masonry/concrete, maximum uplift is 1340 lbs.
- To achieve the published loads, the FGTR must be attached to a grouted and reinforced block wall or reinforced concrete wall designed by others to transfer the uplift loads to the foundation.
- FGTR installed between 4" and 16" from the end of a wall will have an allowable load of 4685 lbs.
- FGTR is packaged with Simpson Strong-Tie® Strong-Drive® screws (SDS) and Titen HD® anchors.
- Can be installed on roof pitches up to 8:12 or on a bottom chord designed to transfer the loads.



TITEN® SCREW WARNING: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use these products in dry, interior and non-corrosive environments only or provide a moisture barrier.