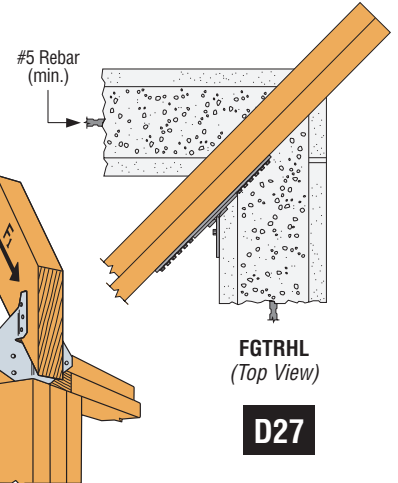
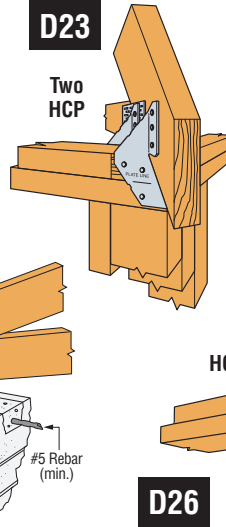
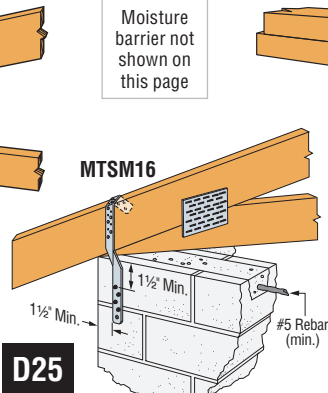
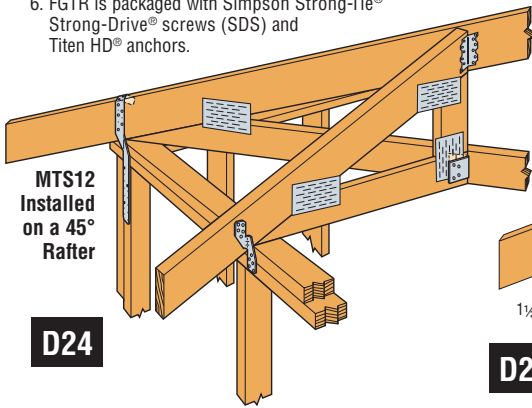
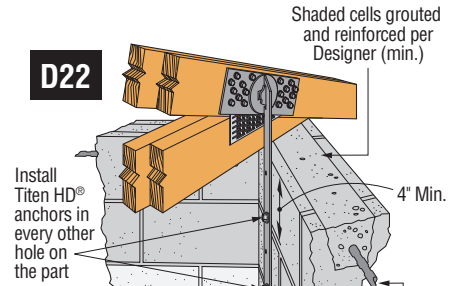


TRUSS/RAFTER HIP TO WALL

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.	Member Size	Fasteners		DF/SP Allowable Loads (160)		SPF Allowable Loads (160)	
		To Truss/Rafter	To Wall	Uplift	F ₁	Uplift	F ₁
		HCP2 ¹	2x	6-10dx1½	6-10dx1½	605	300
HCP1.81 ¹	1¾	6-10dx1½	6-10dx1½	605	300	520	260
MTS12	2x	7-10dx1½	7-10dx1½	840	—	730	—
MTSM16	2x	7-10dx1½	4-¼"x2¼" Titen ³	840	—	730	—
HCP4	4x	8-10d	8-10d	1000	265	860	230
FGTRH L/R ^{5,6}	2-2x	18-SDS ¼"x3"	2-½"x5" Titen HD	3850	—	3850	—

- The HCP can be installed on the inside and the outside of the wall with a flat bottom chord truss and achieve twice the load capacity.
- MTSM16 can be field bent to a 45° angle similar to what is shown for the MTS12.
- For concrete applications for the MTSM16, use ¼"x1¾" Titen® screws.
- Minimum Edge Distance for ¼" Titen® screw is 1½" and ½" Titen HD® anchor is 4".
- 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 is packaged with Simpson Strong-Tie® Strong-Drive® screws (SDS) and Titen HD® anchors.



TRUSS/RAFTER HIP TO END WALL

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.	Member Size (Min.)	Fasteners		DF/SP Allowable Loads			SPF Allowable Loads		
		To Truss	To Wall	Uplift (160)	F ₁	F ₂	Uplift (160)	F ₁	F ₂
		MTSM16 ^{1,3,6}	2-2x	7-10d	4-¼"x2¼" Titen	860	235	90	750
HTSM16 ^{1,3,6}	2-2x	8-10d	4-¼"x2¼" Titen	1175	235	90	1020	235	90
MSTAM24 ^{1,3}	2-2x	9-10d	5-¼"x2¼" Titen	1500	—	—	1500	—	—
MSTAM36 ^{1,3}	2-2x	13-10d	8-¼"x2¼" Titen	1870	—	—	1870	—	—
MSTCM40 ^{1,3}	2-2x	26-16d Sinks	14-¼"x2¼" Titen	4220	—	—	4220	—	—
MSTCM60 ^{1,3}	2-2x	26-16d Sinks	14-¼"x2¼" Titen	4220	—	—	4220	—	—
FGTR ^{2,4,5}	2-2x	18-SDS ¼"x3"	2-½"x5" Titen HD	4685	—	—	4300	—	—

- Minimum Edge Distance for ¼" Titen® screw is 1½".
- Minimum Edge Distance for ½" Titen HD® anchor is 4".
- For concrete tie beam applications, use ¼"x1¾" Titen® screws.
- 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 is packaged with Simpson Strong-Tie® Strong-Drive® screws (SDS) and Titen HD® anchors.
- 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 10dx1½ nails on the wood end of the strap. Any additional required nails may be placed in any open hole on the wood end of the strap.

