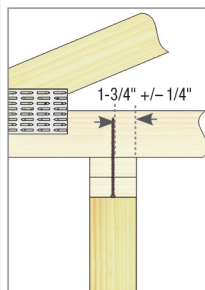


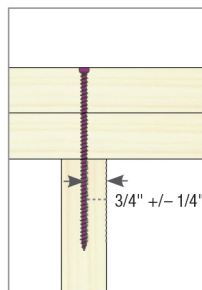
Typical WSTS6 truss aligned directly over wall stud installation

Figure 1A



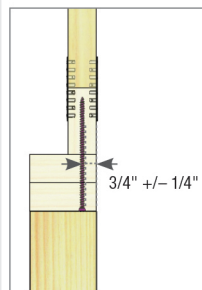
Typical WSTS6 truss between wall studs installation

Figure 1B



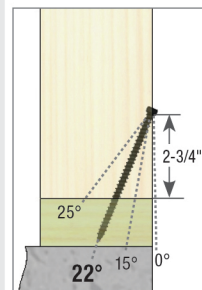
Typical WSTS6 double top plate-to-stud installation

Figure 2



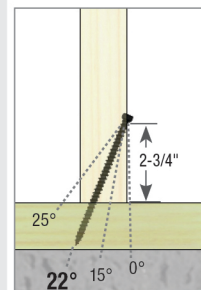
Typical WSTS6 top plate-to-end wall truss installation

Figure 3



Typical WSTS45 stud-to-single bottom plate installation

Figure 4



Typical WSTS45 stud-to-single bottom plate installation

Figure 5

Size (in)	MiTek Stock No.	Ref. No.	Length (in)	Finish ¹	Installation Type ⁵	DF Allowable Loads (Lbs.) ^{2,3,4,8}			SP Allowable Loads (Lbs.) ^{2,3,4,8}			S-P-F Allowable Loads (Lbs.) ^{2,3,4,8}		
						Uplift ⁷ 160%	F1 ⁶ 160%	F2 ⁶ 160%	Uplift ⁷ 160%	F1 ⁶ 160%	F2 ⁶ 160%	Uplift ⁷ 160%	F1 ⁶ 160%	F2 ⁶ 160%
0.152 x 6	WSTS6-EXT	SDWC15600	6	EXT	Figure 1A	715	225	443	802	263	496	573	177	355
					Figure 1B									
					Figure 2									
					Figure 3									
0.152 x 4-1/2	WSTS45-EXT	SDWC15450	4-1/2	EXT	Figure 4	372	--	277	493	--	334	296	--	231
					Figure 5									

1) EXT = Exterior Coat.

2) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

3) Allowable loads are for WSTS screws installed in accordance with installation instructions.

4) When the screw is to be loaded in multiple directions simultaneously, refer to note 1 of *Design Notes* in MiTek's current product catalog.

5) Double top plates should be independently fastened together as required by applicable code.

6) F1 loading is parallel to the top or bottom plate. F2 loading is perpendicular to the top or bottom plate.

7) Designer must ensure that a continuous load path transfers the uplift loads to the foundation.

8) Wood species shall have a minimum NDS referenced specific gravity of 0.50 for DF, 0.55 for SP, and 0.42 for SPF.

9) Table loads do not apply to installations in trusses with end grain bearing.

Refer to MiTek's WSTS Truss and Wall Tiedown Installations technical bulletin at MiTek-US.com for additional design information.