

MiTek Stock No.	Ref. No.	Steel Ga.	Plate Size	Fastener Schedule ^{1,7}				Min Stemwall Thickness (in)	Installation Type	Concrete ⁶	DF/SP Allowable Loads (Lbs.) ^{2,3,4}		
				Sill Plate		Stud	Type				Uplift 160%	F1 160%	F2 160%
				Side Qty	Top Qty								
Wind and ASCE Seismic Design A & B													
FA3	--	16	Single 2x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	1350	750	1015
				Cracked	945	525				710			
				One-Tab-Up	2	2			2	Uncracked	1350	750	1015
					Cracked	945			525	710			
			Single 3x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	--	515	--
										Cracked	--	475	--
ASCE Seismic Design C-F													
FA3	--	16	Single 2x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	1120	550	890
				Cracked	830	460				625			
				One-Tab-Up	2	2			2	Uncracked	1120	550	890
					Cracked	830			460	625			
			Single 3x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	--	515	--
										Cracked	--	405	--

1) Predrilled holes are not required.

2) Allowable Stress Design (ASD) values have been adjusted for a load duration factor, C_D , of 1.6 corresponding to a ten-minute load duration (i.e. wind or earthquake loading) in accordance with the NDS. The ASD loads do not apply to loads of other durations.

3) FA3 capacities are based on using a single-ply 2x sill plate.

4) Allowable loads are based on a minimum stemwall thickness of 6", minimum distance from the end of the concrete wall of 4" and minimum anchor spacing of 8".

5) Uplift deformation based on wood connection strength.

6) Minimum concrete strength $f'_c = 2,500$ psi.

7) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long.