

MiTek Stock No.	Ref. No.	Steel Gauge	Plate Size	Fastener Schedule <sup>1,6</sup>				Min Stemwall Thickness (in)	Installation Type	Concrete <sup>5</sup>	DF/SP Allowable Loads (Lbs.) <sup>2,3,4</sup>				
				Sill Plate		Stud	Type				Uplift 160%	F1 160%	F2 160%		
				Side Qty	Top Qty									Qty	
<b>Wind and ASCE Seismic Design A &amp; B</b>															
FA3	--	16	Single 2x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	1350	750	1015		
				2	2	2				Cracked	945	525	710		
				Single 3x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	--	515	--	
					2	4	--				Cracked	--	475	--	
			<b>ASCE Seismic Design C-F</b>												
			FA3	--	16	Single 2x	2	4	--	10d x 1-1/2	6	Standard	Uncracked	1120	550
2	2	2					Cracked	830	460				625		
Single 3x	2	4					--	10d x 1-1/2	6	Standard	Uncracked	--	515	--	
	2	4					--				Cracked	--	405	--	

1) Predrilled holes are not required.

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

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

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