

Table 1.1A MiTek® Hardy Frame® Installation - On Concrete<sup>1,2</sup>

Model Number	Net Height H (in)	Concrete Compressive Strength $f'_c$ (psi)	HD Bolt Dia (in) and Grade <sup>3</sup>	Applied Axial Load <sup>4</sup>	Seismic $R=6.5, C_d=4.0$			Wind		
					Allowable In-Plane Shear $V^5$ (lbs)	Drift at $V^5$ (in)	Uplift at $V^{5,6}$ (lbs)	Allowable In-Plane Shear $V^5$ (lbs)	Drift at $V^5$ (in)	Uplift at $V^{5,6}$ (lbs)
HFX-9x79.5	79 1/2	2,500	1 1/8" STD	2,000	905	0.186	15,510	905	0.186	15,510
		3,000			1,100	0.226	19,220	1,100	0.226	19,220
		4,000			1,350	0.276	21,435	1,350	0.276	21,435
HFX-12x78	78	2,500	1 1/8" STD	1,000	1,750	0.193	19,595	1,750	0.193	19,595
				3,500	1,610	0.178	17,005	1,610	0.178	17,005
				6,500	1,440	0.159	14,325	1,440	0.159	14,325
			1 1/8" HS	1,000	1,750	0.194	19,595	1,750	0.194	19,595
				3,500	1,610	0.179	17,005	1,610	0.179	17,005
				6,500	1,440	0.160	14,325	1,440	0.160	14,325
		3,000	1 1/8" STD	1,000	2,000	0.221	21,575	2,000	0.221	21,575
				3,500	1,970	0.218	21,075	1,970	0.218	21,075
				6,500	1,810	0.200	18,375	1,810	0.200	18,375
			1 1/8" HS	1,000	2,110	0.234	23,750	2,110	0.234	23,750
				3,500	1,970	0.219	21,075	1,970	0.219	21,075
				6,500	1,810	0.201	18,375	1,810	0.201	18,375
		4,000	1 1/8" STD	1,000	2,210	0.245	21,620	2,210	0.244	21,620
				3,500						
				6,500						
			1 1/8" HS	1,000	2,830	0.314	32,065	2,830	0.314	32,065
				3,500	2,695	0.299	29,275	2,695	0.299	29,275
				6,500	2,530	0.281	26,380	2,530	0.281	26,380
HFX-15x78	78	2,500	1 1/8" STD	1,000	2,425	0.252	21,615	2,425	0.251	21,615
				3,500	2,405	0.251	21,380	2,405	0.250	21,380
				6,500	2,350	0.245	20,560	2,350	0.244	20,560
			1 1/8" HS	1,000	2,855	0.298	31,340	2,855	0.298	31,340
				3,500	2,675	0.279	26,150	2,675	0.279	26,150
				6,500	2,425	0.252	21,625	2,425	0.252	21,625
		3,000	1 1/8" STD	1,000	2,590	0.270	21,620	2,590	0.269	21,620
				3,500						
				6,500						
			1 1/8" HS	1,000	3,275	0.341	32,885	3,440	0.358	38,195
				3,500	3,265	0.340	32,600	3,265	0.340	32,600
				6,500	3,020	0.315	27,795	3,020	0.315	27,795
		4,000	1 1/8" STD	1,000	2,800	0.292	21,620	2,800	0.290	21,620
				3,500	2,795	0.291	21,590	2,795	0.290	21,590
				6,500	2,785	0.290	21,445	2,785	0.289	21,445
			1 1/8" HS	1,000	3,275	0.341	26,695	4,160	0.433	39,380
				3,500						
				6,500						
HFX-18x78	78	2,500	1 1/8" STD	1,000	3,050	0.185	19,725	3,195	0.193	21,055
				3,500						
				6,500						
			1 1/8" HS	1,000	4,425	0.269	39,500	4,425	0.269	39,500
				3,500	4,195	0.255	33,700	4,195	0.255	33,700
				6,500	3,885	0.236	28,745	3,885	0.236	28,745
		3,000	1 1/8" STD	1,000	3,050	0.185	18,635	3,305	0.200	20,645
				3,500						
				6,500						
			1 1/8" HS	1,000	4,660	0.283	34,455	4,660	0.283	34,455
				3,500						
				6,500						
		4,000	1 1/8" STD	1,000	3,050	0.185	17,585	3,450	0.209	20,335
				3,500						
				6,500						
			1 1/8" HS	1,000	4,660	0.283	29,645	4,660	0.283	29,645
				3,500						
				6,500						
HFX-21x78	78	2,500	1 1/8" STD	1,000	3,805	0.198	19,685	3,805	0.198	19,685
				3,500						
				6,500						
			1 1/8" HS	1,000	6,005	0.315	40,495	6,230	0.327	44,825
				3,500	6,005	0.315	40,495	6,040	0.317	41,070
				6,500	5,690	0.299	36,045	5,690	0.299	36,045
		3,000	1 1/8" STD	1,000	3,925	0.204	19,585	3,925	0.204	19,585
				3,500						
				6,500						
			1 1/8" HS	1,000	6,005	0.315	34,645	6,875	0.361	43,835
				3,500				6,800	0.357	42,865
				6,500				6,680	0.351	41,480
		4,000	1 1/8" STD	1,000	4,075	0.212	19,460	4,075	0.212	19,460
				3,500						
				6,500						
			1 1/8" HS	1,000	6,005	0.315	30,985	7,295	0.383	40,220
				3,500						
				6,500						

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