

Wall Section	A	B	C	D	E
Stem Height	19'	16'-6"	14'-6"	12'-6"	10'
Stem Thickness	24"	18"	15"	15"	15"
Footing Width	32'	26'	20'	16'	13'
Footing Thickness	30"	27"	24"	20"	18"
Keyway Depth	4'-6"	4'	3'-9"	2'-6"	1'
Keyway Thickness	24"	18"	15"	15"	15"

Floodwall Usual Loading Results (Water to Design Flood)						
	Required	Wall Section A	Wall Section B	Wall Section C	Wall Section D	Wall Section E
Sliding FOS	1.5	2.34	2.88	4.55	8.03	40.08
Overturning Base in Compression	100%	100%	100%	100%	100%	100%
Bearing FOS	3	3	3.58	3.93	4.53	5.42

Floodwall Unusual Loading Results (Water to top of wall +1')						
	Required	Wall Section A	Wall Section B	Wall Section C	Wall Section D	Wall Section E
Sliding FOS	1.33	1.35	1.34	1.34	1.36	1.89
Overturning Base in Compression	75%	100%	100%	91.10%	80.70%	81.30%
Bearing FOS	2	2.6	3.01	3.19	3.57	4.25