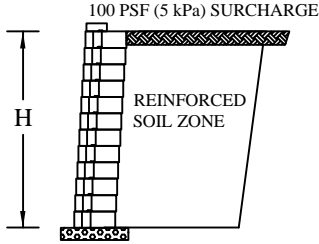
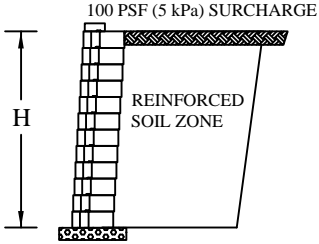
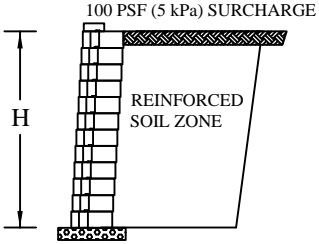
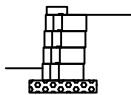
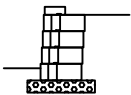
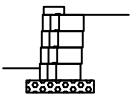
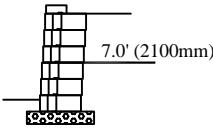
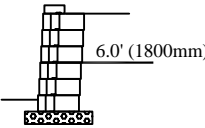
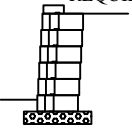
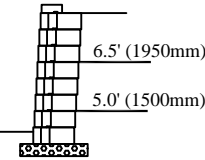
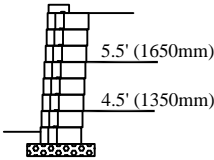
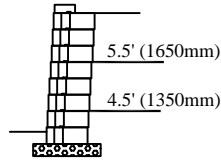
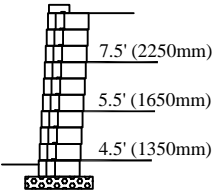
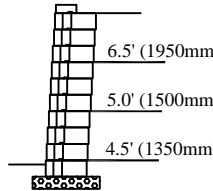
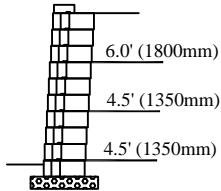
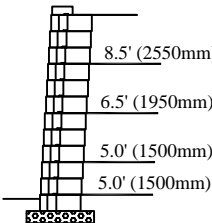
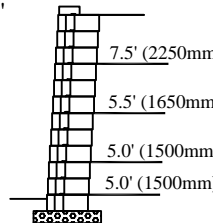
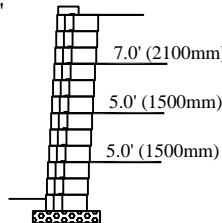
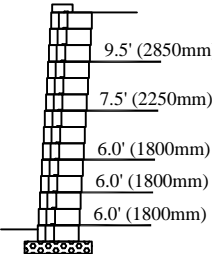
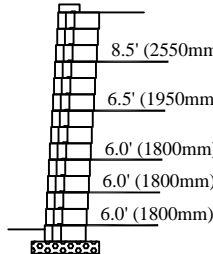


REINFORCEMENT ESTIMATING CHART

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120$ pcf (19 kN/cubic meter)		SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120$ pcf (19 kN/cubic meter)		CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120$ pcf (19 kN/cubic meter)	
<p>H</p> 		<p>H</p> 		<p>H</p> 	
<p>4 COURSES 2' 6" - 2' 8" (800mm)</p> 		<p>4 COURSES 2' 6" - 2' 8" (800mm)</p> 		<p>4 COURSES 2' 6" - 2' 8" (800mm)</p> 	
<p>NO REINFORCEMENT REQUIRED ≤ 4 COURSES</p>		<p>NO REINFORCEMENT REQUIRED ≤ 4 COURSES</p>		<p>NO REINFORCEMENT REQUIRED ≤ 4 COURSES</p>	
<p>6 COURSES 3' 9" - 4' 0" (1200mm)</p> 		<p>6 COURSES 3' 9" - 4' 0" (1200mm)</p> 		<p>6 COURSES 3' 9" - 4' 0" (1200mm)</p> 	
<p>NO REINFORCEMENT REQUIRED ≤ 6 COURSES</p>		<p>NO REINFORCEMENT REQUIRED ≤ 6 COURSES</p>		<p>NO REINFORCEMENT REQUIRED ≤ 6 COURSES</p>	
<p>8 COURSES 5' 0" - 5' 4" (1600mm)</p> 		<p>8 COURSES 5' 0" - 5' 4" (1600mm)</p> 		<p>8 COURSES 5' 0" - 5' 4" (1600mm)</p> 	
<p>10 COURSES 6' 3" - 6' 8" (2000mm)</p> 		<p>10 COURSES 6' 3" - 6' 8" (2000mm)</p> 		<p>10 COURSES 6' 3" - 6' 8" (2000mm)</p> 	
<p>12 COURSES 7' 0" 6" - 8' 0" (2400mm)</p> 		<p>12 COURSES 7' 0" 6" - 8' 0" (2400mm)</p> 		<p>12 COURSES 7' 0" 6" - 8' 0" (2400mm)</p> 	
<p>14 COURSES 8' 9" - 9' 4" (2800mm)</p> 		<p>14 COURSES 8' 9" - 9' 4" (2800mm)</p> 		<p>14 COURSES 8' 9" - 9' 4" (2800mm)</p> 