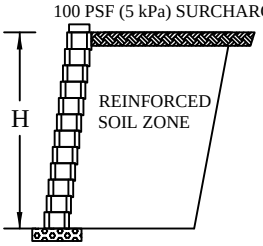
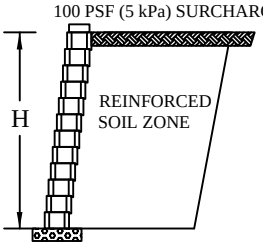
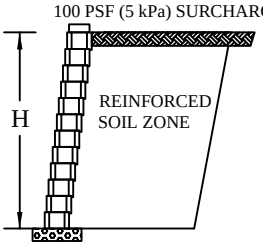
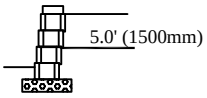
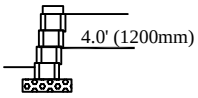
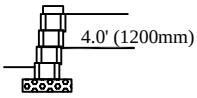
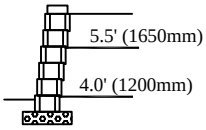
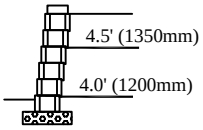
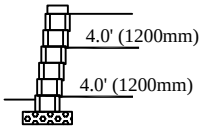
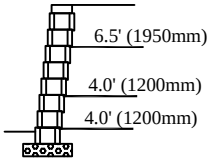
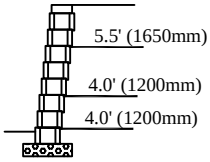
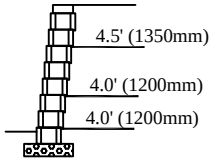
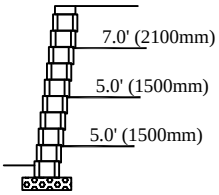
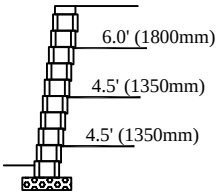
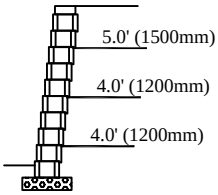
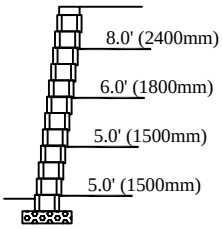
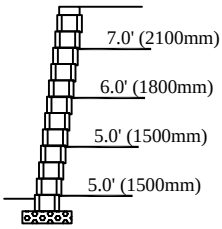
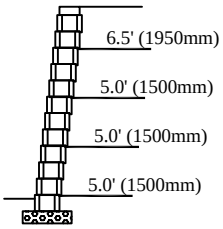
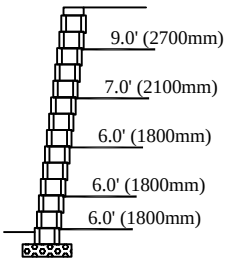
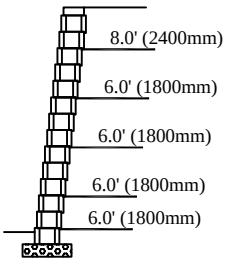
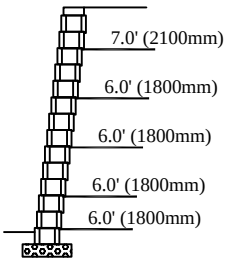
REINFORCEMENT ESTIMATING CHART

CLAY AND SILT SOIL	SILTY/CLAYEY SAND SOIL	CLEAN SAND AND GRAVEL SOIL
H ϕ = 26° γ = 120 pcf (19 kN/cubic meter) 	H ϕ = 30° γ = 120 pcf (19 kN/cubic meter) 	H ϕ = 34° γ = 120 pcf (19 kN/cubic meter) 
4 COURSES 2' 6" - 2' 8" (800mm) 	4 COURSES 2' 6" - 2' 8" (800mm) 	4 COURSES 2' 6" - 2' 8" (800mm) 
6 COURSES 3' 9" - 4' 0" (1200mm) 	6 COURSES 3' 9" - 4' 0" (1200mm) 	6 COURSES 3' 9" - 4' 0" (1200mm) 
8 COURSES 5' 0" - 5' 4" (1600mm) 	8 COURSES 5' 0" - 5' 4" (1600mm) 	8 COURSES 5' 0" - 5' 4" (1600mm) 
10 COURSES 6' 3" - 6' 8" (2000mm) 	10 COURSES 6' 3" - 6' 8" (2000mm) 	10 COURSES 6' 3" - 6' 8" (2000mm) 
12 COURSES 7' 6" - 8' 0" (2400mm) 	12 COURSES 7' 6" - 8' 0" (2400mm) 	12 COURSES 7' 6" - 8' 0" (2400mm) 
14 COURSES 8' 9" - 9' 4" (2800mm) 	14 COURSES 8' 9" - 9' 4" (2800mm) 	14 COURSES 8' 9" - 9' 4" (2800mm)