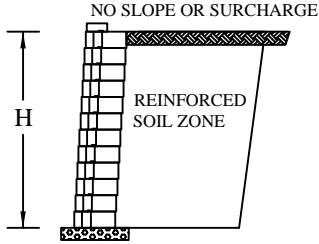
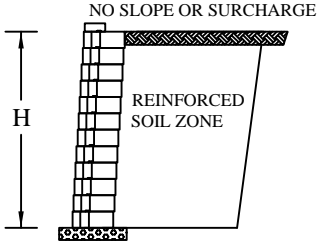
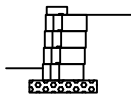
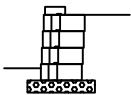
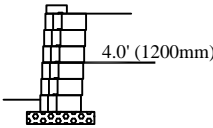
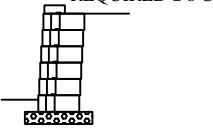
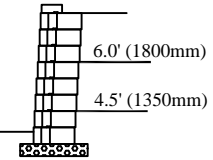
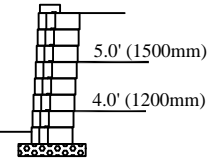
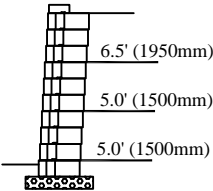
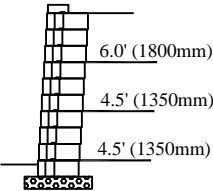
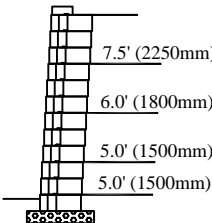
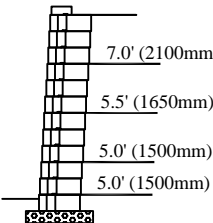
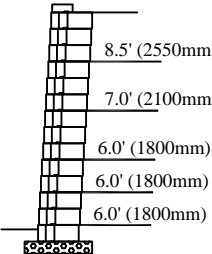
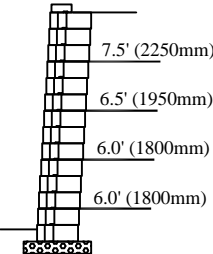


REINFORCEMENT ESTIMATING CHART

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)	
H			H		
4 COURSES 2' 6" - 2' 8" (800mm)		NO REINFORCEMENT REQUIRED ≤ 4 COURSES	4 COURSES 2' 6" - 2' 8" (800mm)		NO REINFORCEMENT REQUIRED ≤ 4 COURSES
6 COURSES 3' 9" - 4' 0" (1200mm)		NO REINFORCEMENT REQUIRED ≤ 6 COURSES	6 COURSES 3' 9" - 4' 0" (1200mm)		NO REINFORCEMENT REQUIRED ≤ 6 COURSES
8 COURSES 5' 0" - 5' 4" (1600mm)		NO REINFORCEMENT REQUIRED ≤ 8 COURSES	8 COURSES 5' 0" - 5' 4" (1600mm)		NO REINFORCEMENT REQUIRED ≤ 8 COURSES
10 COURSES 6' 3" - 6' 8" (2000mm)		NO REINFORCEMENT REQUIRED ≤ 10 COURSES	10 COURSES 6' 3" - 6' 8" (2000mm)		NO REINFORCEMENT REQUIRED ≤ 10 COURSES
12 COURSES 7' 0" 6" - 8' 0" (2400mm)		NO REINFORCEMENT REQUIRED ≤ 12 COURSES	12 COURSES 7' 0" 6" - 8' 0" (2400mm)		NO REINFORCEMENT REQUIRED ≤ 12 COURSES
14 COURSES 8' 9" - 9' 4" (2800mm)		NO REINFORCEMENT REQUIRED ≤ 14 COURSES	14 COURSES 8' 9" - 9' 4" (2800mm)		NO REINFORCEMENT REQUIRED ≤ 14 COURSES