

Table R404.1.1(5)
CONCRETE FOUNDATION WALLS^{h, i, j, k}

MAXIMUM WALL HEIGHT (feet)	MAXIMUM UNBALANCED BACKFILL HEIGHT ^b (feet)	MINIMUM VERTICAL REINFORCEMENT SIZE AND SPACING ^{c, d, e, f, i}												
		Soil Classes ^a and Design Lateral Soil (psf per foot of depth)												
		GW, GP, SW and SP 30				GM, GC, SM-SC and ML 45				SC, ML-CL and inorganic CL 60				
		Minimum Wall Thickness (inches)												
		5.5	7.5	9.5	11.5	5.5	7.5	9.5	11.5	5.5	7.5	9.5	11.5	
5	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
6	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	PC	PC ^g	PC	PC	#4 @ 35" #4 @ 35"	PC ^g	PC	PC	
	6	PC	PC	PC	PC	#4 @ 31" #5 @ 48"	PC	PC	PC	#4 @ 23" #5 @ 36"	PC	PC	PC	
7	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	PC	PC	PC	PC	#4 @ 30" #5 @ 47"	PC	PC	PC	
	6	PC	PC	PC	PC	#4 @ 27" #5 @ 42"	PC	PC	PC	#4 @ 19" #5 @ 30"	#4 @ 31" #5 @ 48"	PC ^g	PC	
	7	#4 @ 29" #5 @ 46"	PC	PC	PC	#4 @ 19" #5 @ 29"	#4 @ 29" #5 @ 46"	PC	PC	#4 @ 15" #5 @ 24"	#4 @ 21" #5 @ 33"	PC	PC	PC
8	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	#4 @ 38" #4 @ 38"	PC ^g	PC	PC	#4 @ 27" #5 @ 43"	PC	PC ^e	PC	
	6	#4 @ 37" #4 @ 37"	PC ^g	PC	PC	#4 @ 23" #5 @ 37"	PC	PC	PC	#4 @ 16" #5 @ 26"	#4 @ 27" #5 @ 43"	PC ^g	PC	
	7	#4 @ 25" #5 @ 40"	PC	PC	PC	#4 @ 16" #5 @ 26"	#4 @ 26" #5 @ 41"	PC	PC	#4 @ 15" #5 @ 24"	#4 @ 19" #5 @ 30"	#4 @ 23" #5 @ 37"	PC	PC
	8	#4 @ 19" #5 @ 30"	#4 @ 30" #5 @ 47"	PC ^g	PC	#4 @ 15" #5 @ 24"	#4 @ 19" #5 @ 30"	PC	PC	#4 @ 12" #5 @ 19"	#4 @ 14" #5 @ 22"	#4 @ 20" #5 @ 31"	PC	PC
9	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	#4 @ 35" #4 @ 35"	PC ^g	PC	PC	#4 @ 25" #5 @ 40"	PC	PC	PC	
	6	#4 @ 34" #4 @ 34"	PC ^g	PC	PC	#4 @ 21" #5 @ 33"	PC	PC	PC	#4 @ 16" #5 @ 25"	#4 @ 25" #5 @ 39"	PC ^g	PC	
	7	#4 @ 23" #5 @ 36"	PC	PC	PC	#4 @ 15" #5 @ 24"	#4 @ 23" #5 @ 37"	PC	PC	#4 @ 15" #5 @ 23"	#4 @ 17" #5 @ 26"	#4 @ 23" #5 @ 37"	PC ^g	PC
	8	#4 @ 17" #5 @ 26"	#4 @ 26" #5 @ 41"	PC ^g	PC	#4 @ 15" #5 @ 23"	#4 @ 17" #5 @ 26"	#4 @ 23" #5 @ 37"	PC ^g	#4 @ 10" #5 @ 16"	#4 @ 13" #5 @ 20"	#4 @ 17" #5 @ 26"	#4 @ 48" ^h #4 @ 48" ^h	PC
	9	#4 @ 15" #5 @ 24"	#4 @ 20" #5 @ 32"	PC	PC	#4 @ 11" #5 @ 18"	#4 @ 13" #5 @ 20"	#4 @ 18" #5 @ 28"	PC	#4 @ 8" #5 @ 13"	#4 @ 10" #5 @ 16"	#4 @ 13" #5 @ 20"	#4 @ 17" #5 @ 26"	PC
10	4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	
	5	PC	PC	PC	PC	#4 @ 33" #4 @ 33"	PC ^g	PC	PC	#4 @ 24" #5 @ 38"	PC	PC	PC	
	6	#4 @ 31" #5 @ 48"	PC ^g	PC	PC	#4 @ 20" #5 @ 31"	PC	PC	PC	#4 @ 15" #5 @ 24"	#4 @ 23" #5 @ 37"	PC	PC	
	7	#4 @ 21" #5 @ 33"	PC	PC	PC	#4 @ 15" #5 @ 24"	#4 @ 21" #5 @ 33"	PC	PC	#4 @ 13" #5 @ 21"	#4 @ 15" #5 @ 24"	#4 @ 21" #5 @ 33"	PC ^g	PC
	8	#4 @ 15" #5 @ 24"	#4 @ 24" #5 @ 38"	PC	PC	#4 @ 13" #5 @ 21"	#4 @ 15" #5 @ 23"	#4 @ 21" #5 @ 33"	PC ^g	#4 @ 10" #5 @ 15"	#4 @ 11" #5 @ 18"	#4 @ 16" #5 @ 24"	#4 @ 20" ^h #5 @ 31" ^h	PC
	9	#4 @ 15" #5 @ 24"	#4 @ 18" #5 @ 28"	#4 @ 48" #4 @ 48"	PC ^g	#4 @ 10" #5 @ 15"	#4 @ 12" #5 @ 19"	#4 @ 16" #5 @ 24"	#4 @ 48" ^h #4 @ 48" ^h	DR DR	#4 @ 10" #5 @ 15"	#4 @ 12" #5 @ 19"	#4 @ 15" #5 @ 23"	PC
	10	#4 @ 12" #5 @ 19"	#4 @ 15" #5 @ 23"	#4 @ 20" #5 @ 31"	PC	DR DR	#4 @ 10" #5 @ 16"	#4 @ 13" #5 @ 20"	#4 @ 17" #5 @ 26"	DR DR	#4 @ 10" #5 @ 15"	#4 @ 10" #5 @ 15"	#4 @ 12" #5 @ 19"	PC