



- INSPECTIONS:**
- 1) Foundation - prior to pour.
 - 2) Bond beam - prior to grouting.
 - 3) Final - before wall is capped.

Retaining Wall Design Detail Dimensions and Steel Requirements						
GRADE	H	H ₁	W	X BARS	Y BARS	Z BARS
Grade sloping behind the wall; Maximum 2:1. Equivalent fluid pressure = 43 psi/ft.	5'-4"	2'-0"	3'-6"	#4 @ 24"	#4 @ 32"	#4 @ 16"
	4'-8"	N/R	3'-0"	#4 @ 24"	#4 @ 32"	#4 @ 24"
	4'-0"	N/R	2'-8"	#4 @ 32"	#4 @ 32"	#4 @ 32"
	3'-4"	N/R	2'-3"	#4 @ 32"	#4 @ 32"	#4 @ 32"
	2'-8"	N/R	2'-0"	#4 @ 32"	#4 @ 32"	#4 @ 32"
Grade level behind the wall. Equivalent fluid pressure = 30 psi/ft.	5'-4"	N/R	3'-0"	#4 @ 24"	#4 @ 32"	#4 @ 24"
	4'-8"	N/R	2'-8"	#4 @ 32"	#4 @ 32"	#4 @ 32"
	4'-0"	N/R	2'-3"	#4 @ 32"	#4 @ 32"	#4 @ 32"
	3'-4"	N/R	2'-0"	#4 @ 32"	#4 @ 32"	#4 @ 32"
	2'-8"	N/R	1'-8"	#4 @ 32"	#4 @ 32"	N/R

- NOTES:**
- 1) All vertical & horizontal steel shall be continuous or have a minimum 24" lap splice.
 - 2) Walls shall not obstruct or concentrate lot drainage.
 - 3) All steel to maintain 3" clear to earth.
 - 4) All footings are to be placed against undisturbed soil.
 - 5) Concrete in footing to test 2000 p.s.i. @ 28 days
 - 6) Concrete block - Grade "N" units A.S.T.M. C-90
 - 7) Grout: 1 part cement, 3 parts sand, 2 parts pea gravel.
 - 8) Mortar - 2 part cement, 1 part lime putty, 9 parts sand.
 - 9) Reinforcing steel minimum grade 40.



Building Department
Retaining Wall
Standard Details