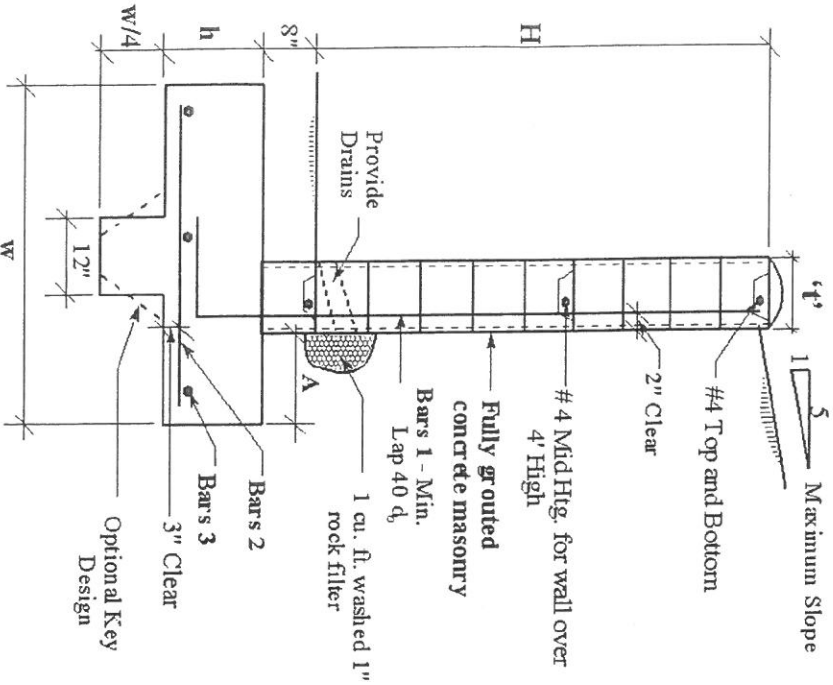


CONCRETE BLOCK RETAINING WALL

Please provide all information requested in the box below.

Proposed Wall Height above final grade ('H' below): _____ ft. _____ in.
 Walls taller than 2' 8" (shaded portion of the chart) require building permits.
 From the Chart Below List the Required:
 Block Size ('t') _____ Footing Width ('w') _____ Footing Thickness ('h') _____



Retaining Wall Specifications

Wall Height 'H' (ft-in)	Wall Thickness 't' (inches)	Footing width 'w' (inches)	Footing thickness 'h' (inches)	Footing heel 'A' (inches)	Wall Vertical Reinforcing Bars 1	Footing Transverse Reinf. Bars 2	Footing Longitudinal Reinf. Bars 3
Up To 2'	6"	18"	8"	4"	#3 at 48" o.c.	-----	2 No. 3
Up To 2' 8"	6"	22"	8"	6"	#3 at 32" o.c.	-----	2 No. 3
Up To 3' 4"	8"	27"	10"	8"	#4 at 48" o.c.	#4 at 48" o.c.	2 No. 4
Up To 4'	8"	32"	12"	10"	#4 at 32" o.c.	#4 at 32" o.c.	3 No. 4
Up To 4' 8"	8"	40"	12"	12"	#4 at 24" o.c.	#4 at 24" o.c.	4 No. 4
Up To 5' 4"	10"	48"	14"	15"	#4 at 24" o.c.	#4 at 24" o.c.	5 No. 5
Up To 6'	10"	56"	16"	18"	#5 at 24" o.c.	#4 at 24" o.c.	5 No. 5

- NOTES:**
1. Concrete Block shall conform to ASTM C55 standards. $f'_m=1500$ psi
 2. Type M, N, or S mortar shall conform to ASTM C 270 and Section 2103.7 IBC.
 3. Concrete Compressive Strength 2500 psi Minimum at 28 days.
 4. Grout shall conform to ASTM C1019. Minimum compressive strength 2,000 psi. Fully grout all cells.
 5. Reinforcing bars shall be grade 40 deformed. Dowels, when used, are to have standard hooks min. 12" length and min. 40 d_b lap splices.
 6. Drainage: 1" PVC weep at base 48" o.c. with 1 cu.ft. 1" washed rock behind the wall as a filter screen at the drains.
 7. No water course or natural drainage shall be obstructed.