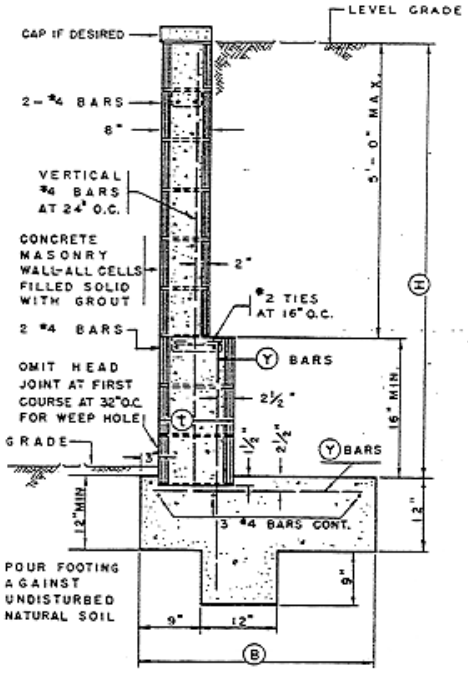
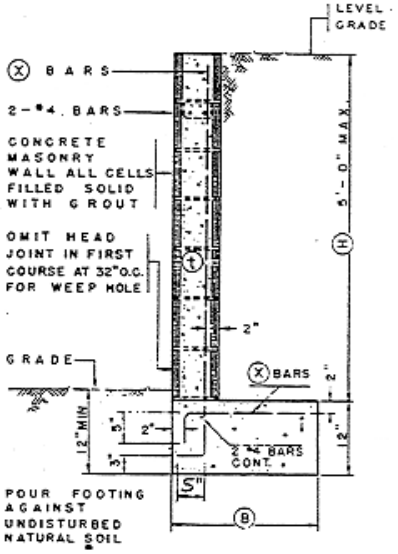
RETAINING WALLS



TYPICAL SECTION OVER 5'-0"
½" = 1'-0"



H	t	B	X BARS	Y BARS
3'	6"	1'-10"	#3 AT 32" O.C.	——
4'	8"	2'-6"	#4 AT 48" O.C.	——
5'	8"	3'-0"	#4 AT 24" O.C.	——
6'	12"	3'-8"	——	#4 AT 24" O.C.
7'	12"	4'-6"	——	#4 AT 16" O.C.
8'	12"	5'-3"	——	#5 AT 16" O.C.

DESIGN FOR LEVEL GRADE ABOVE WALL

NOTE- CONCRETE IN FOOTING TO TEST 2000 LBS. PER SQ. IN. AT 28 DAYS
CONCRETE BLOCK - GRADE "A" UNITS A.S.T.M. C-90
GROUT - 1 PART CEMENT, 3 PARTS SAND, 2 PARTS PEA GRAVEL
MORTAR - 1 PART CEMENT, ½ PART LIME PUTTY, 4½ PARTS SAND

MAXIMUM STRESSES

f_s = 20,000 P.S.I.
f_m = 225 P.S.I.
SHEAR V = 15 P.S.I.
BOND U = 100 P.S.I.
SOIL PRESSURE = 4000 LBS. PER SQ. FT.

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