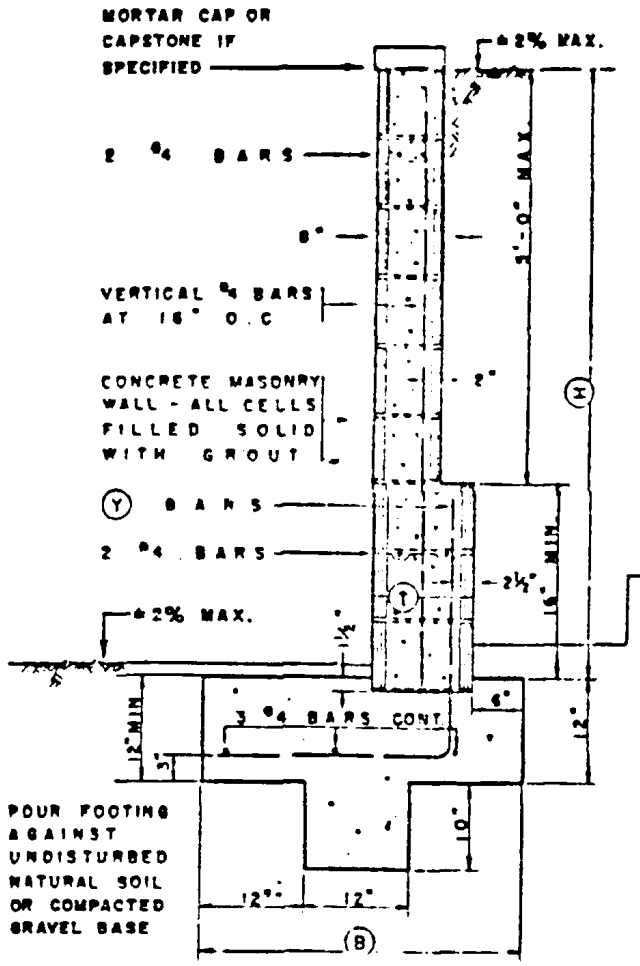
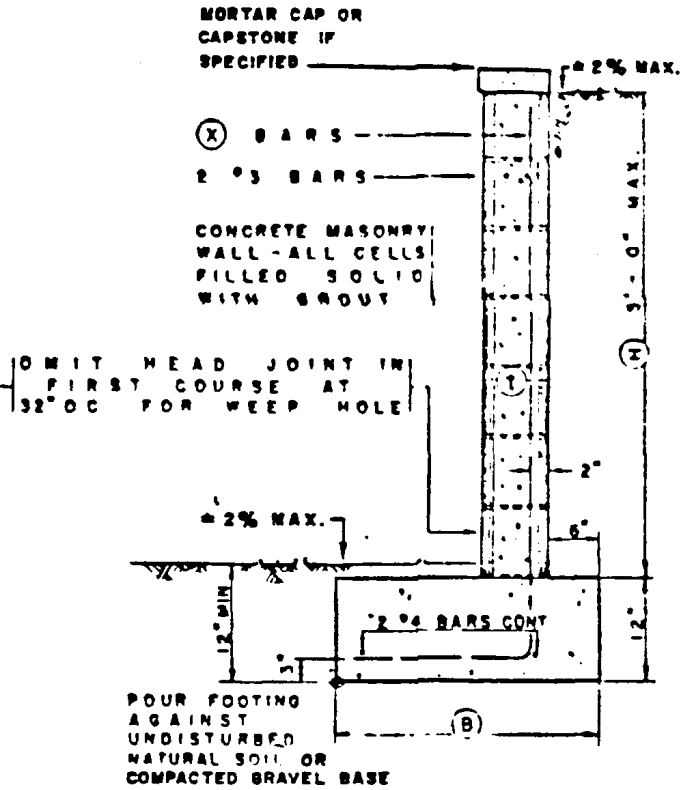
RETAINING WALLS



TYPICAL SECTION OVER 5'-0"

ADAPTED FROM CONCRETE MASONRY ASSOCIATION AND DEPT. OF BUILDING SAFETY COUNTY OF RIVERSIDE



TYPICAL SECTION 5'-0" MAX.

(H)	(T)	(B)	(X) BARS	(Y) BARS
3'	6"	1'-9"	#3 AT 24" OC	———
4'	8"	2'-2"	#4 AT 32" OC	———
5'	8"	2'-9"	#4 AT 16" OC	———
6'	12"	3'-3"	———	#4 AT 24" OC
7'	12"	3'-10"	———	#4 AT 16" OC
8'	12"	4'-6"	———	#5 AT 16" OC

MAXIMUM STRESSES

f_s = 18,000 psi

f_m = 200 psi

SHEAR V = 10 psi

BOND U = 90 psi

SOIL PRESSURE = 1000 LBS/SQ FT

CONCRETE TO SOIL COEF FRICTION = 0.4

NOTE: ASSUMED THAT THERE IS NO SURCHARGE ON WALL.
GRADE AT ±2% MAXIUM ABOVE AND BELOW WALL FOR DISTANCE EQUAL TO WALL HEIGHT
CONCRETE IN FOOTING TO TEST 2000 LBS. PER SQ INCH AT 28 DAYS.
CONCRETE BLOCK GRADE "A" UNITS A.S.T.M C 90 - 52
GROUT 1 PART CEMENT 3 PARTS SAND.

Approved [signature] City Engineer
Date 11-[illegible]-66

Sam

SCALE: ½" = 1'-0"

REVISIONS			
DATE	MARK	BY	APPROVED

RETAINING WALL

CITY OF RIVERSIDE, CALIFORNIA

DEPT. OF PUBLIC WORKS

STANDARD DRAWING NO. 708