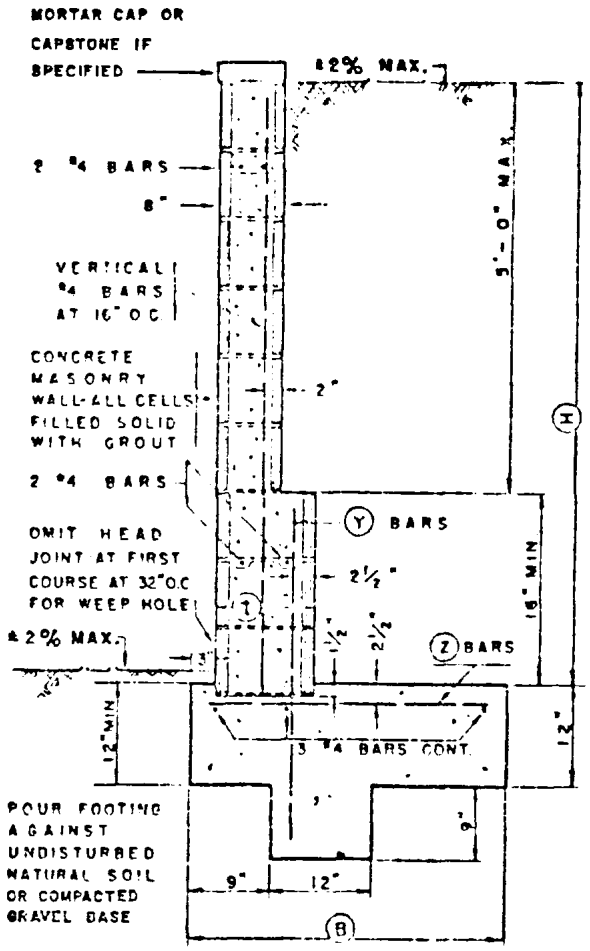
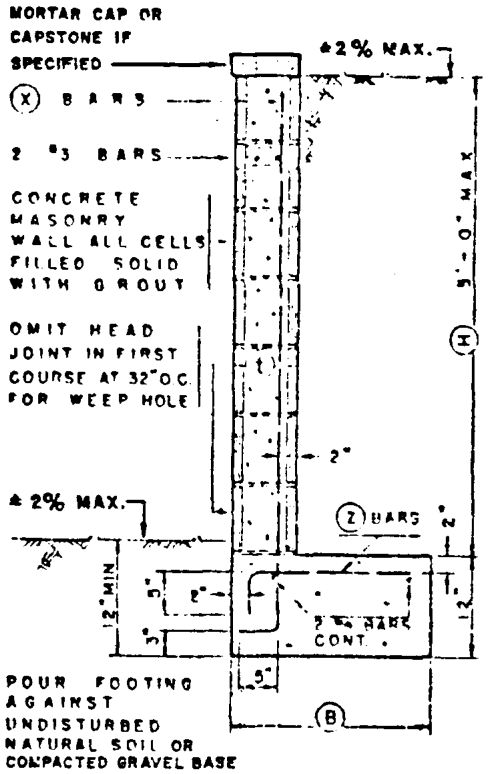
RETAINING WALLS



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	(Z) BARS
3'	6"	1'-10"	#3 AT 24" O.C.	———	#3 AT 48" O.C.
4'	8"	2'-6"	#4 AT 32" O.C.	———	#4 AT 48" O.C.
5'	8"	3'-0"	#4 AT 16" O.C.	———	#4 AT 32" O.C.
6'	12"	3'-8"	———	#4 AT 24" O.C.	#4 AT 24" O.C.
7'	12"	4'-6"	———	#4 AT 16" O.C.	#4 AT 16" O.C.
8'	12"	5'-3"	———	#5 AT 16" O.C.	#5 AT 16" O.C.

MAXIMUM STRESSES

f_s = 18,000 psi

f_m = 200 psi

SHEAR V = 10 psi

BOND U = 90 psi

SOIL PRESSURE = 1800 LBS./SQ FT

CONCRETE TO SOIL COEF FRICTION = 0.6

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. C90-52
GROUT 1 PART CEMENT 3 PARTS SAND

Approved [signature] City Engineer
Date 11-1-66

Sam

SCALE: ½" = 1'-0"

REVISIONS

DATE	MARK	BY	APPROVED

RETAINING WALL

CITY OF RIVERSIDE, CALIFORNIA

DEPT. OF PUBLIC WORKS

STANDARD DRAWING NO. 707