



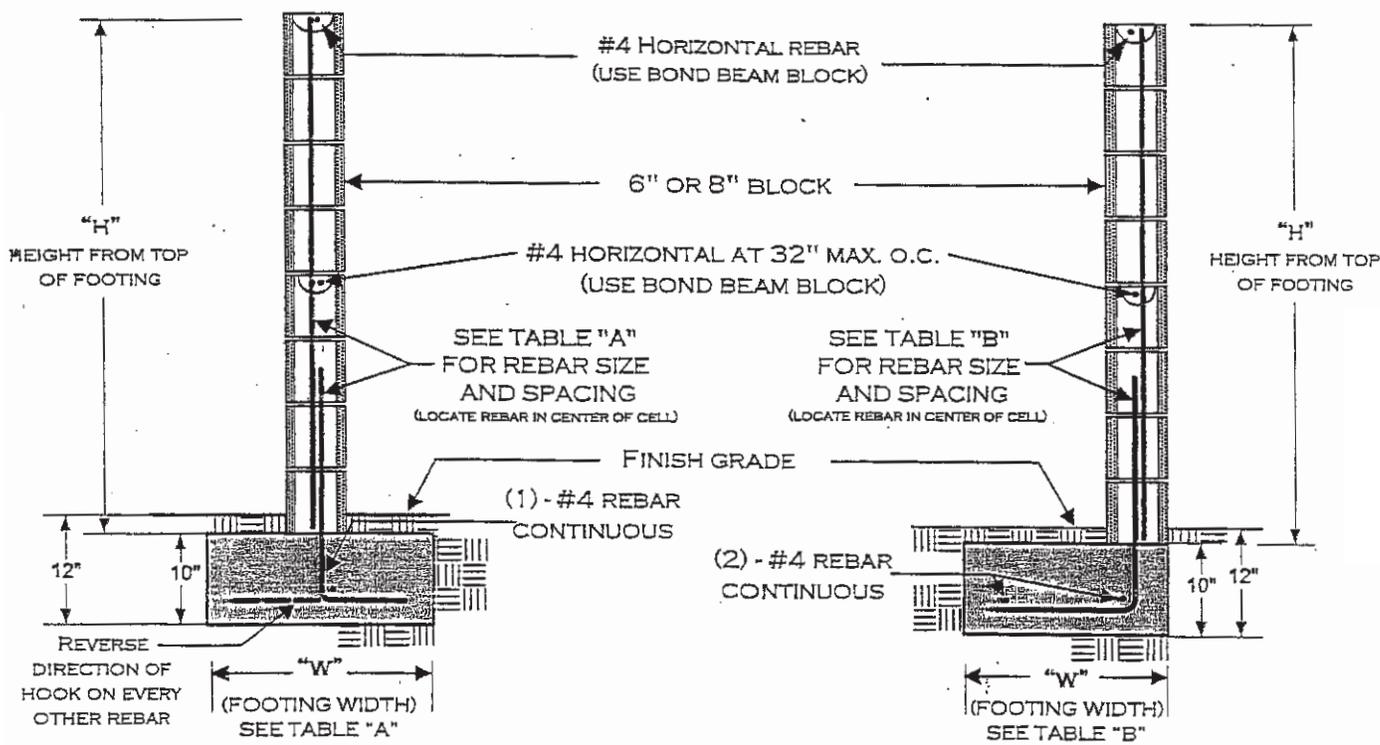
CITY OF EL MONTE

Economic Development Department
Building Division

Garden Wall Standard (Non-retaining)

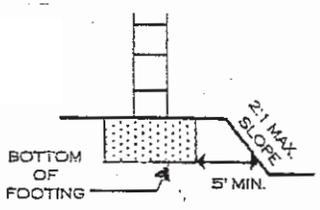
FOOTING OPTION "A"

FOOTING OPTION "B"



"H"	"W"	VERTICAL REINFORCEMENT
3'	17"	#4 @ 48" O.C.
4'	20"	#4 @ 48" O.C.
5'	23"	#4 @ 48" O.C.
6'	29"	#4 @ 24" O.C.

ALL FOOTINGS ADJACENT TO SLOPES TO BE AT LEAST 5' TO DAYLIGHT AS SHOWN BELOW.



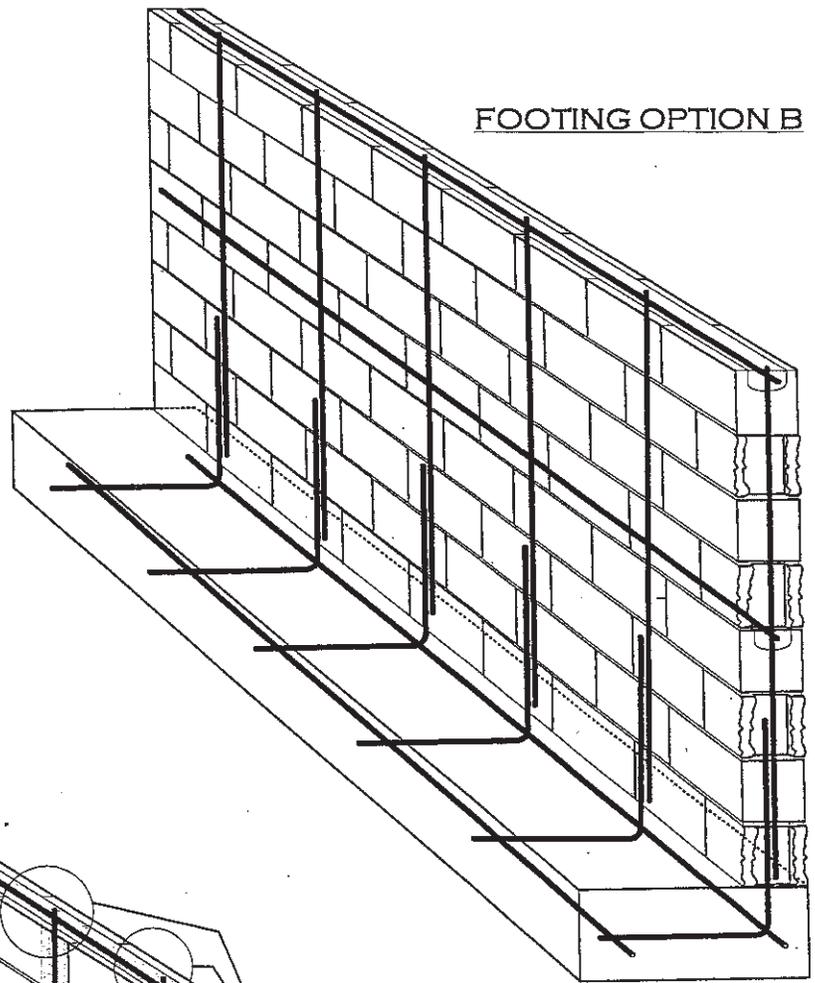
"H"	"W"	VERTICAL REINFORCEMENT
3'	19"	#4 @ 48" O.C.
4'	22"	#4 @ 48" O.C.
5'	29"	#4 @ 48" O.C.
6'	34"	#4 @ 24" O.C.

GENERAL CONSTRUCTION NOTES

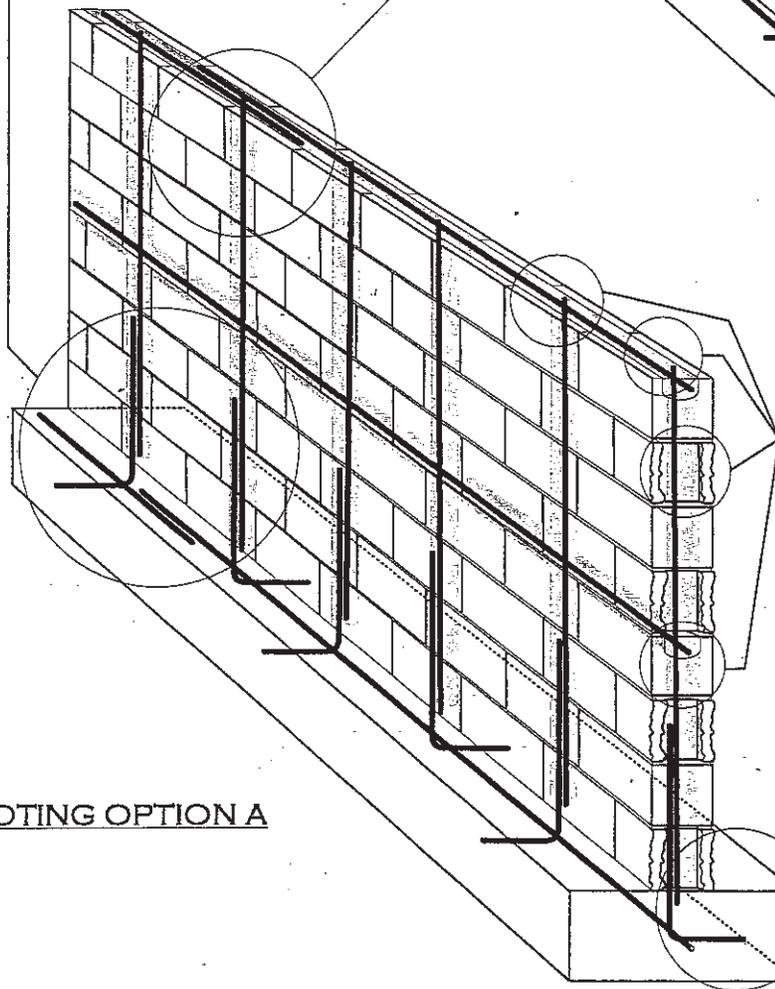
1. ALL MASONRY JOINTS SHALL BE TOOLED AND VOIDS FILLED AND ALL MASONRY UNITS SHALL BE UNIFORM IN SIZE, COLOR AND APPEARANCE.
2. CONCRETE SHALL HAVE AN ULTIMATE 28-DAY COMPRESSIVE STRENGTH OF $f'_c = 2500$ psi.
3. ALL STEEL REBAR SHALL BE THE DEFORMED TYPE, LAPPED MINIMUM OF 24", CHAIRED UP MINIMUM 3" ABOVE THE BOTTOM OF THE FOOTING EXCAVATION AND WIRE TIED TOGETHER.
4. FOOTINGS SHALL BE EXCAVATED INTO UNDISTURBED NATURAL GRADE OR APPROVED COMPACTED FILL.
5. MASONRY UNITS SHALL BE MEDIUM-WEIGHT UNITS CONFORMING TO ASTM C-90 GRADE N, AND HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF $F'_{TD} = 1500$.
6. MASONRY UNITS SHALL BE CLEAN AND FREE OF ALL SUBSTANCES THAT MAY IMPAIR BOND.
7. BOND BEAM TYPE MASONRY UNITS SHALL BE USED FOR ALL HORIZONTAL REINFORCING STEEL.
8. THE BOTTOM OF THE FOOTING SHALL BE MINIMUM OF 5'0" TO DAY LIGHT.
9. GROUT MIX SHALL BE 1 PART CEMENT, 3 PARTS SAND AND 2 PARTS PEA GRAVEL BY VOLUME, AND THE ULTIMATE 28 DAY COMPRESSIVE STRENGTH SHALL BE $f'_c = 2500$ psi. ALL CELLS THAT CONTAIN STEEL SHALL BE GROUTED SOLID.

REBAR PLACEMENT ILLUSTRATION

FOOTING OPTION B



(TYPICAL)
ALL REBAR SPLICES
24" MIN. OVERLAP



FOOTING OPTION A

(TYPICAL)
ONLY CELLS AND BOND BEAM
COURSES WITH REBAR TO BE
GROUTED

(TYPICAL)
ALL REBAR SHALL HAVE A
MINIMUM OF 3" CONCRETE
COVER AT FOOTINGS

DESIGN PARAMETERS:

ACTIVE SOIL PRESSURE (PSF) = 30
 PASSIVE SOIL BEARING (PSF) = 150
 COEFFICIENT OF FRICTION = 0.25
 ALLOWABLE SOIL BEARING (PSF) = 1500

WIND = 85 MPH, EXPOSURE C
 SEISMIC DESIGN CATEGORY 'E', SITE CLASS 'D'