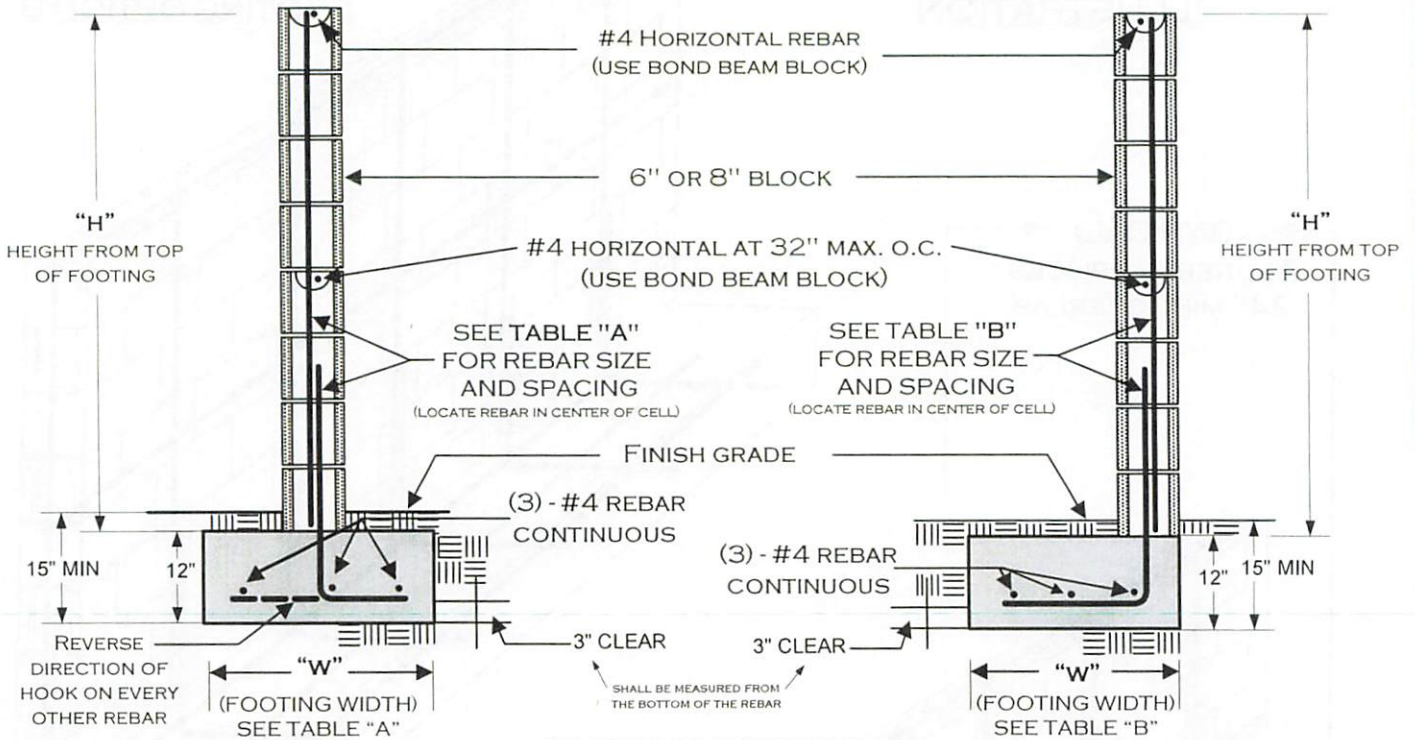


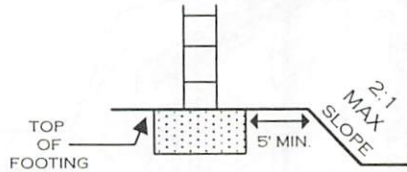
## FOOTING OPTION "A"

## FOOTING OPTION "B"



"H"	"W"	VERTICAL REINFORCEMENT
3'	17"	#4 @ 32" O.C.
4'	20"	#4 @ 32" O.C.
5'	23"	#4 @ 32" 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 @ 32" O.C.
4'	22"	#4 @ 32" O.C.
5'	29"	#4 @ 32" O.C.
6'	34"	#4 @ 24" O.C.

### NOTES:

- THIS DESIGN DOES NOT ALLOW GRADE DIFFERENTIALS OF MORE THAN 6" ON OPPOSING SIDES OF THE WALL. THIS IS NOT A RETAINING WALL.
- FENCE HEIGHTS ARE REGULATED - CONSULT ZONING REGULATIONS BEFORE BEGINNING CONSTRUCTION.
- NO WATER COURSE OR NATURAL DRAINAGE SHALL BE OBSTRUCTED.
- GROUT ONLY THE CELLS CONTAINING REBAR. THIS WALL IS NOT DESIGNED FOR ALL CELLS TO BE GROUTED. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000PSI.
- ALL REBAR TO BE ASTM SPEC. A615 GRADE 40 MINIMUM.
- ALL REBAR LAP SLICES TO BE 24" MINIMUM.
- ALL MASONRY UNITS TO BE ASTM C-90 GRADE N WITH A MINIMUM COMPRESSIVE STRENGTH OF F'M=1,500PSI, NORMAL WEIGHT.
- REBAR TO BE CENTERED IN MASONRY CELLS.
- CONCRETE MIX FOR FOOTING TO BE F'C=2,500PSI MINIMUM.
- MORTAR SHALL CONFORM TO ASTM C 270 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,800PSI.

CHECK WITH THE BUILDING DEPARTMENT TO VERIFY IF A BUILDING PERMIT IS REQUIRED.

WHEN A PERMIT IS REQUIRED, THE FOLLOWING INSPECTIONS ARE REQUIRED:

- FOOTING: EXCAVATION TRENCH CLEAN WITH STEEL IN PLACE AND SUPPORTED 3" ABOVE AND AWAY FROM THE SURROUNDING EARTH/DIRT PRIOR TO PLACING THE CONCRETE.
- REBAR/PRE-GROUT: BOND BEAM REBAR AND VERTICAL REBAR IN PLACE - INSPECTION PRIOR TO PLACING GROUT
- FINAL: AFTER GROUT IS PLACED - PRIOR TO ANY DECORATIVE CAP PLACEMENT

\*SEE PAGE 2 FOR ADDITIONAL INFORMATION

### DISCLAIMER:

ALTERNATE DESIGNS MAY BE POSSIBLE WHEN PROVIDED WITH AN ENGINEERED ANALYSIS. USE OF THIS STANDARD DESIGN IS AT THE USER'S RISK AND CARRIES NO IMPLIED OR INFERRED GUARANTEE AGAINST FAILURE OR DEFECTS.



**CITY OF EASTVALE  
BUILDING SAFETY DIVISION**

**FREESTANDING BLOCK WALL**

(951) 703-4450

12363 LIMONITE AVE, SUITE 910  
EASTVALE, CA 91752

FAX: (951) 685-1225

06/02/2022

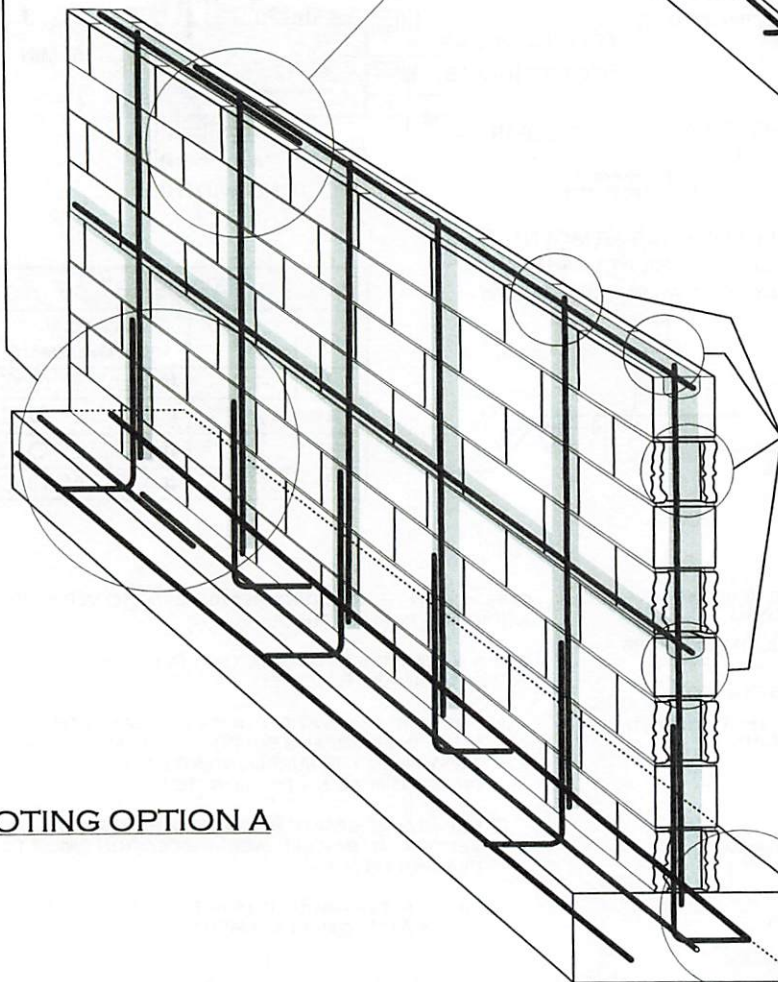
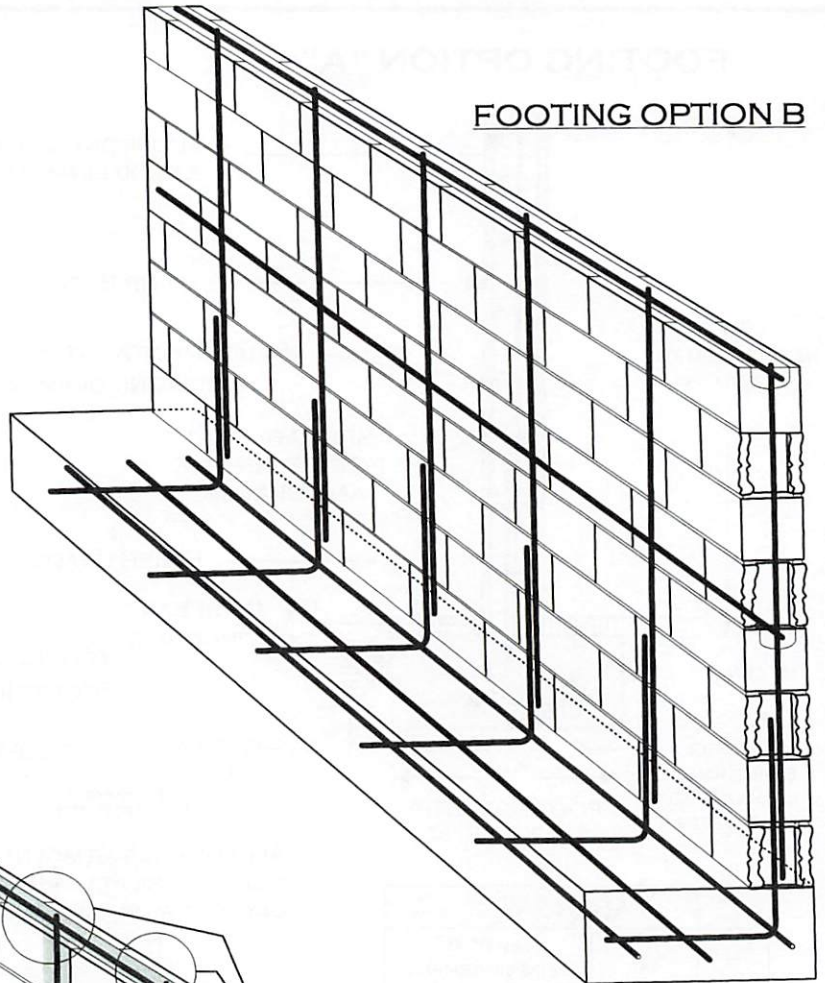
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# REBAR PLACEMENT ILLUSTRATION

FOOTING OPTION B

(TYPICAL)  
ALL REBAR SPLICES  
24" MIN. OVERLAP



(TYPICAL)  
ONLY CELLS AND BOND BEAM  
COURSES WITH REBAR TO BE  
GROUTED  
(DO NOT SOLID GROUT ENTIRE WALL - USE  
GROUT STOP MESH AS APPROPRIATE)

FOOTING OPTION A

(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 = 96 MPH, EXPOSURE C
- SEISMIC: DESIGN CATEGORY D



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