FOOTING OPTION “A”

#4 Horizontal rebar (use bond beam block)

#4 Vertical rebar at 24” max. spacing (rebar in center of cell)

#4 Horizontal rebar continuous at 32” max. above top of retaining wall (use bond beam block)

Non-retaining portion of wall 8” Block (grout only cells with rebar)

(2) - #4 Horizontal rebars at top of retaining wall (use bond beam block)

Retaining portion of wall 8” Block (solid grout all cells)

Omit Head Joints for drainage (first course only)

(3) - #4 Horizontal rebars

6’ max

6’ max

FINISH GRADE

FINISH GRADE

RETIRED EARTH

RETIRED EARTH

THE FOLLOWING INSPECTIONS ARE REQUIRED:
1) FOOTING: Excavation trench clean with steel in place and supported 3” above and away from the surrounding earth/dirt.
2) REBAR/GROUT: Bond beam rebar and vertical rebar in place - inspection prior to placing grout.
3) FINAL: After grout is placed - prior to any decorative cap placement.

NOTES:
1) FENCE HEIGHTS ARE REGULATED — CONSULT ZONING REGULATIONS BEFORE BEGINNING CONSTRUCTION.
2) NO WATER COURSE OR NATURAL DRAINAGE SHALL BE OBSTRUCTED.
3) ALL REBAR TO BE ASTM SPEC. A615, GRADE 40 minimum.
4) ALL REBAR LAP SPICES TO BE 24” minimum.
5) ALL MASONRY UNITS TO BE ASTM C90 GRADE N.
6) NOT DESIGNED FOR SURCHARGE LOADS FROM VEHICLES OR STRUCTURES.

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.

FOOTING OPTION “B”

#4 Horizontal rebar continuous at 32” max. above top of retaining wall (use bond beam block)

2’ max

2:1 MAX. slope

All footings adjacent to slopes to be at least 5’ to daylight as shown below.

FINISH GRADE

RETIRED EARTH

RETIRED EARTH

#4 Rebar at 24” spacing (with 6” min. hooks at ends for option “B”)

32”

5’ MIN.

*SEE PAGE 2 FOR ADDITIONAL INFORMATION*
REBAR PLACEMENT ILLUSTRATION
(SEE PAGE 1 FOR SPECIFIC REQUIREMENTS)

(TYPICAL)
For the retaining portion of wall
ALL CELLS TO BE GROUTED

(TYPICAL)
For nonretaining portion of wall
ONLY CELLS AND BOND BEAM COURSES
WITH REBAR TO BE GROUTED
(USE GROUT STOP MESH AS APPROPRIATE)

FOOTING OPTION A

(TYPICAL)
ALL REBAR SPLICES
24" MIN. OVERLAP

(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 = 80 MPH, EXPOSURE C
SEISMIC:
N_a=1.3, N_v=1.6, Z=0.4, SOIL PROFILE=Sd

FOOTING OPTION B

WESTERN RIVERSIDE COUNTY CODE UNIFORMITY PROGRAM

CITY OF MURRIETA
BUILDING DEPARTMENT
BLOCK WALL
ATOP 2' RETAINING WALL

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1 TOWN SQUARE
MURRIETA, CA 92562