FOOTING OPTION “A”

#4 Horizontal rebar (use bond beam block)

6" or 8" block

#4 Horizontal at 32" max. O.C. (use bond beam block)

See Table "A" for rebar size and spacing (locate rebar in center of cell)

1) #4 rebar continuous

Finish grade

See Table "A" for rebar size and spacing (locate rebar in center of cell)

Reverse direction of hook on every other rebar

“W” (footing width)

12"

Check with the building department to verify if a building permit is required.

When a permit is required, 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/Pre-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) This design does NOT allow grade differentials of more than 6" on opposing sides of the wall. This is NOT a retaining wall.

2) Fence heights are regulated — consult zoning regulations before beginning construction.

3) No water course or natural drainage shall be obstructed.

4) Grout only the cells containing rebar. This wall is NOT designed for all cells to be grouted.

5) All rebar to be ASTM Spec. A615, Grade 40 minimum.

6) All rebar lap splices to be 24" minimum.

7) All masonry units to be ASTM C-90 Grade N.

8) Rebar to be centered in masonry cells.

See page 2 for additional information.

DISCLAIMER: 2019 CA. CODES

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.

Western Riverside County Code Uniformity Program

City of Perris

Building Department

Freestanding Block Wall

135 N D St.
Perris CA. 92570
(951) 443-1029
Fax (951) 657-9685
01/01/2020 PERDeckFNL.vsd
REBAR PLACEMENT ILLUSTRATION

(TYPICAL)
ALL REBAR SPLICES 24" MIN. OVERLAP

FOOTING OPTION A

(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 B

(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:
NA=1.3, Nv=1.6, Z=0.4, SOIL PROFILE=Sd

WESTERN RIVERSIDE COUNTY CODE UNIFORMITY PROGRAM

CITY OF PERRIS
BUILDING DEPARTMENT
FREESTANDING BLOCK WALL

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01/01/2020 PERDEC/FNL/060