

# TYPICAL FOOTING FOR RESIDENTIAL CONSTRUCTION

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER CBC 2007. INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT.

**WALL CONSTRUCTION:** 2X STUDS @ 16" O.C. W/ 3/8" MIN. PLYWD. NAILED W/ 8D OR 10D @ 6" O.C. AT ALL EDGES, AND 12" O.C. FIELD. BLOCK ALL EDGES.

**VENTING:** PROVIDE UNDERFLOOR VENTING. SEE SHEET A3.

**FOUNDATION PLATE:** (CBC 2304.3.1, 2305.3.11, 2308.3.3 & .6 & .12.8 & .12.9) 2X MIN. PRESSURE TREATED WOOD W/ 1/2" OR 3/8" DIA. A.B. W/ 3 X 3 X 1/4" SQ. WASHER @ 4" OR 6" O.C. MAX. WITHIN 4" TO 12" FROM END OF PLATE & (2) MIN.

**REINFORCING:** (CBC 1805.5.1.2, 1908.1.15, 1909.6.1) #4 REBAR CENTERED IN STEM 3" FROM TOP & BOTTOM. WHERE STEM EXCEEDS 24" PROVIDE VERTICAL & HORIZONTAL REINFORCING AT 18" O.C. PLUS #4 VERTS. @ 18" O.C. RECOMMENDED.

FINISH GRADE

UNDISTURBED GRADE

**UNDERFLOOR DRAINAGE:** (CBC 1807.1.2) PROVIDE UNDERFLOOR DRAINAGE WHERE UNDERFLOOR GRADE IS BELOW ADJACENT EXTERIOR GRADE.

**STEM WALL:** PROVIDE 7 1/2" MIN. THICK REINF. STEM WALL. (6" MAY BE ALLOWED IF ENGINEERED)

**GIRDER SUPPORT:** (CBC 2304.10.1.1) PROVIDE 4X MIN. POST W/ SHEET METAL POST CAP & BASE TO P.T. PLATE. SPLICE GIRDERS CENTERED DIRECTLY OVER POSTS WITH SHT. MTL. SPLICE TYPE POST CAP.

12" MIN. - 24" MIN. IF CLAY  
(OR PER SOILS REPORT)

6" OR 8" MIN.

8" CLR. TO NON-P.T. WOOD OR SHTG.

6" CLR. TO SIDING

12" or 18" min

1'-4"

6" (or 8" if not P.T.)

12" MIN. OR P.T.

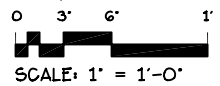
18" MIN. OR P.T.

**SPREAD FOOTING:** 16" X 16" MIN. CONCRETE PAD. FOOTING SPACING SHALL NOT EXCEED 6' O.C.. JOIST SPAN NOT TO EXCEED 12'.

**MODIFIED CBC TABLE 1805.4.2 FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION** (a) (b) (c) (d) (e)

NUMBER OF FLOORS SUPPORTED BY FOUNDATION (e)	WIDTH OF FOOTING	THICKNESS OF FOOTING	DEPTH BELOW UNDISTURBED GROUND SURFACE
1	12"	6"	12" OR PER SOILS ENGR.
2	15"	6"	12" OR PER SOILS ENGR.
3	18"	8"	12" OR PER SOILS ENGR.

- (a) Depth of footings shall be in accordance with Section 1805.2 [12" below undisturbed soil or more if soil is susceptible to moving.]
- (b) The ground under the floor may be excavated to the elevation of the top of the footing.
- (c) Interior stud bearing walls may be supported by isolated footings. The footing width & length shall be twice the width shown in this table & the footing shall be spaced no more than 6' O.C.
- (d) See Section 1908 for additional requirements for footings of structures assigned to Seismic Design Category C, D, E OR F. (note: Santa Rosa is min. D, possibly some E.)
- (e) Footings are permitted to support a roof in addition to the stipulated number of floors. Footings supporting roof only shall be as required for supporting one floor.



Provide consistent Title Block on all sheets. Leave margin on all sides.

This scale is for example only. Use 3/4" or 1" or 1 1/2" = 1'-0". Typical min. sheet size is 11" x 17"

NAME, ADDRESS AND PHONE NO. OF DESIGNER XXX XXX XXX XXX XXX XXX XXX XXX  WET SIGNATURE OF DESIGNER ON EACH SHEET (AND PROFESSIONAL STAMP IF APPLICABLE)	<b>EXAMPLE RESIDENCE</b>  1234 MAIN ST. SANTA ROSA, CA 95401 APN # 000-000-000	<b>FOOTING DET.</b>  SAMPLE DRAWING	SCALE: 1" = 1'-0" DATE: DEC. 15, 2008
			SHEET NO. <b>FDN-1</b>