

# A5 - Sample Footing Detail

## TYPICAL TYPE V RESIDENTIAL CONSTRUCTION CRC 2016

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER CRC 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/ 5/8" 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:** CRC R317  
2X MIN. PRESSURE TREATED WOOD W/ 1/2" OR 5/8" DIA. A.B. W/ 3 X 3 X 1/2" SQ. WASHER @ 4' OR 6' O.C. MAX. WITHIN 4' TO 12" FROM END OF PLATE & (2) MIN.

**REINFORCING:** CRC R403.1.3  
#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

18"-24" min  
(OR PER SOILS REPORT)

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

12" or 18" min

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

**GIRDER SUPPORT:** CRC R502.9 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. 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'.  
6" (or 8" if not P.T.)

**UNDERFLOOR DRAINAGE:** CRC R405  
PROVIDE UNDERFLOOR DRAINAGE WHERE UNDERFLOOR GRADE IS BELOW ADJACENT EXTERIOR GRADE.

MODIFIED CRC TABLE R403.1 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"	18" min. OR PER SOILS ENGR.
2	15"	6"	OR PER SOILS ENGR.
3	23"	8"	OR PER SOILS ENGR.



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)

**EXAMPLE  
RESIDENCE**

**FOOTING DET.**

SAMPLE DRAWING

SCALE: 1" = 1'-0"

DATE:

SHEET NO.

**A5**