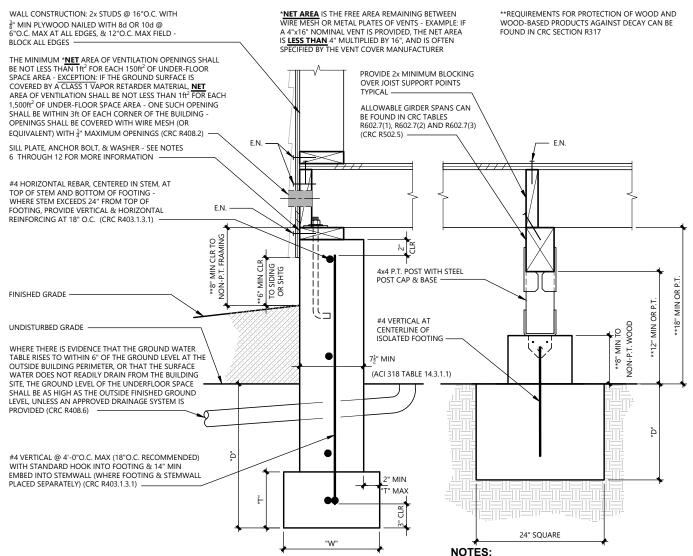
RESIDENTIAL SPREAD FOOTING & PIER REQUIREMENTS

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER THE 2022 CALIFORNIA CODE CYCLE - INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT





MODIFIED CRC TABLE R403.1(1) CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION

NUMBER OF STORIES SUPPORTED BY FOUNDATION	WIDTH OF FOOTING "W" (CRC TABLE R403.1(1))	THICKNESS OF FOOTING "T" (CRC R404.1.3 &	DEPTH BELOW UNDISTURBED GROUND SURFACE "D" (CRC R403.1.4)
1	12"	8"	12" OR PER GEOTECHNICAL ENGINEER
2	15"	8"	12" OR PER GEOTECHNICAL ENGINEER
3	18"	8"	12" OR PER GEOTECHNICAL ENGINEER

MODIFIED CRC TABLE R403.1(2) CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION WITH BRICK VENEER

NUMBER OF STORIES SUPPORTED BY FOUNDATION	WIDTH OF FOOTING "W" (CRC TABLE R403.1(2))	THICKNESS OF FOOTING "T" (CRC R404.1.3 &	DEPTH BELOW UNDISTURBED GROUND SURFACE "D" (CRC R403.1.4)
1	15"	8"	12" OR PER GEOTECHNICAL ENGINEER
2	20"	8"	12" OR PER GEOTECHNICAL ENGINEER
3	25"	8"	12" OR PER GEOTECHNICAL ENGINEER

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- CONCRETE SHALL BE AIR ENTRAINED WITH A TOTAL AIR CONTENT (PERCENT BY VOLUME OF CONCRETE) NOT LESS THAN 5% & NOT MORE THAN 7% (CRC TABLE R402.2, FOOTNOTE d)
- 2. CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH (f'c) OF 3,000psi (CRC TABLE R402.2)
- 3. REBAR SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000psi (CRC R404.1.3.3.7.1)
- 4. THE TOP SURFACE OF FOOTINGS SHALL BE LEVEL (CRC R403.1.5)
 5. THE BOTTOM SURFACE OF FOOTINGS SHALL NOT HAVE A SLOPE EXCEEDING ONE UNIT VERTICAL IN 10 UNITS HORIZONTAL (10% SLOPE) (CRC R403.1.5)
- FOUNDATION SILL PLATES ARE TO BE 2x PRESSURE TREATED OR NATURALLY RESISTANT WOOD AND SHALL BE THE SAME WIDTH AS WALLS ABOVE, MINIMUM (CRC R403.1.6, R602.3.4)
- FOUNDATION SILL PLATES ARE TO HAVE A MINIMUM OF (2) ANCHOR BOLTS WITH ONE BOLT LOCATED NEITHER MORE THAN 12", NOR LESS THAN (7) BOLT DIAMETERS FROM EACH END OF THE PLATE (CRC R403.1.6)
- ANCHOR BOLTS SHALL BE ½" Ø MINIMUM WITH 7" MINIMUM EMBEDMENT INTO CONCRETE & SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE (CRC R403.1.6)
- 10. ANCHOR BOLTS SHALL BE SPACED 6'-0"O.C. MAXIMUM FOR (1) & (2) STORY STRUCTURES, AND 4'-0"O.C. FOR STRUCTURES OVER (2) STORIES (CRC R403.1.6.1)
- 11. ANCHOR BOLTS SHALL HAVE STANDARD STEEL NUTS & 3"x3"x0.229"MIN STEEL WASHERS, TYPICAL (CRC R403.1.6.1(1) & CRC R602.11.1)
- 12. ANCHOR BOLT PLATES SHALL BE $\frac{1}{2}$ " MAXIMUM FROM FACE OF SHEATHING TO FACE OF PLATE

