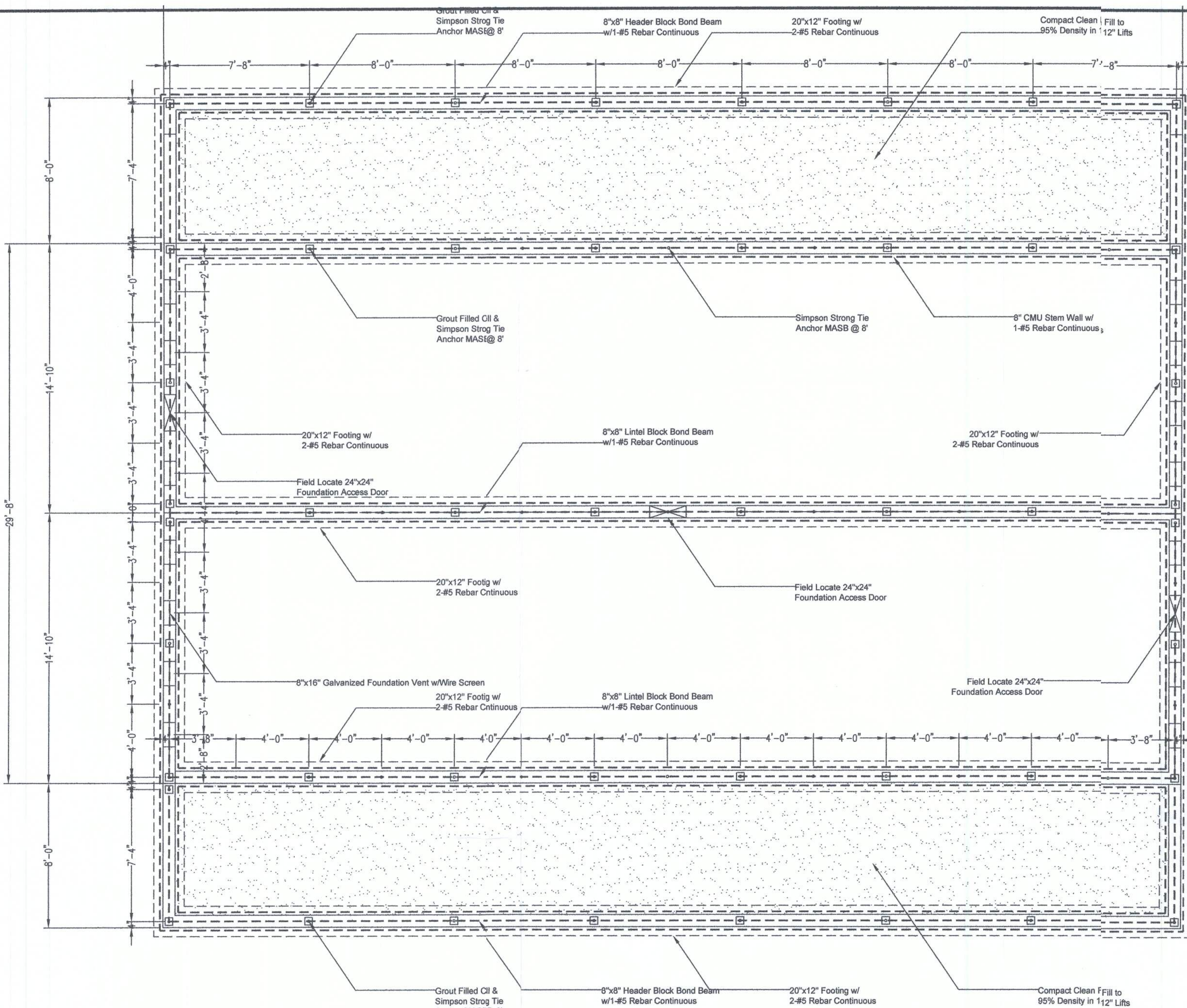
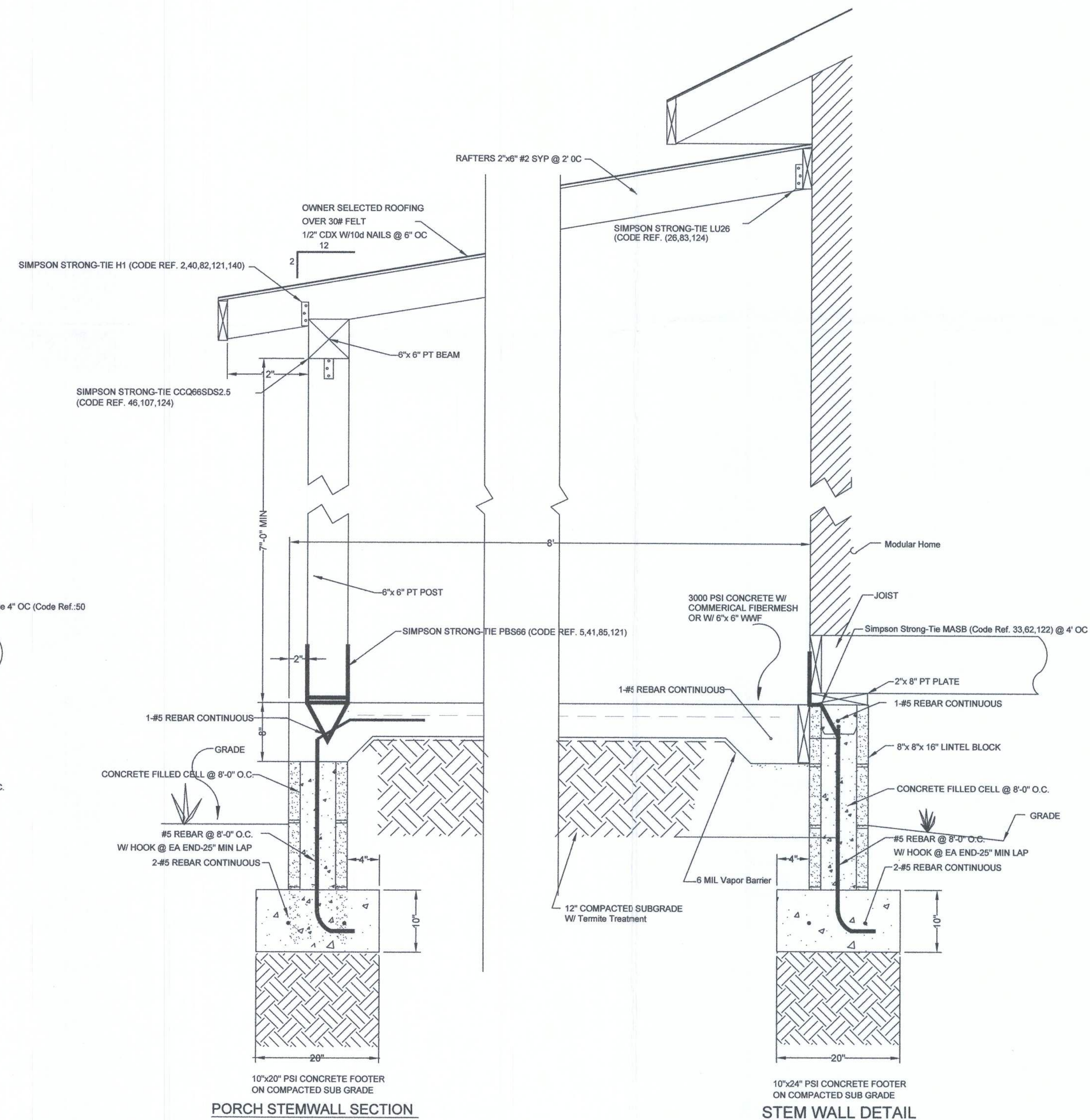




FOUNDATION NOTES, REQUIREMENTS & INSTRUCTIONS	
MASONRY UNITS	ALL MASONRY UNITS DESCRIBED AS 8" X 8" X 16" CMU/S SHALL BE HOLLOW CONCRETE UNITS IN ACCORDANCE W/ ASTM C 90 OR C 145 AND SHALL HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 P.S.I. MASONRY FOUNDATION STEM WALLS SHALL BE RUNNING BOND CONSTRUCTION.
MORTAR	ALL MORTAR SHALL BE EITHER TYPE M OR S IN ACCORDANCE W/ ASTM C 270. ALL GROUT SHALL HAVE A MINIMUM COARSE AGGREGATE SIZE OF 3/8" PLACED AT AN 8 TO 11 INCH SLUMP AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 P.S.I. @ 28 DAYS WHEN TESTED IN ACCORDANCE W/ ASTM C 1019, OR SHALL BE IN ACCORDANCE W/ ASTM C 475. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 P.S.I. @ 28 DAYS. ALL MORTAR JOINTS FOR HOLLOW UNIT MASONRY SHALL EXTEND THE FULL WIDTH OF FACE SHELLS. ALL BED JOINTS SHALL BE 3/8 INCH THICK. HEAD JOINTS SHALL BE 3/8 INCH THICK. THE BED JOINT OF THE STARTING COURSE PLACED OVER FOOTINGS SHALL BE PERMITTED TO VARY IN THICKNESS FROM A MINIMUM OF 1/4" TO A MAXIMUM OF 3/4".
REINFORCING STEEL	REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A 615, A 616, A 617, OR A 706. SPICES SHALL BE LAP SPICES W/ A MINIMUM LAP OF 25" FOR #5 REINFORCEMENT BARS FOR MINIMUM COVER OVER FOUNDATION REINFORCEMENT - SEE DETAILS & SECTIONS THIS SHEET ALL REINFORCEMENT IN CMU/S IS TO EXTEND A MINIMUM OF 6" INTO ALL FOOTINGS W/ A STANDARD BEND OF 6"
METAL ACCESSORIES	ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A 82, ASTM A 36, & ASTM A 366 AS REQUIRED. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 INCH WHEN EXPOSED TO EARTH OR WEATHER. AND A MINIMUM OF 1/2 INCH WHEN NOT EXPOSED TO EARTH OR WEATHER. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION (NOT DIRECTLY EXPOSED TO WEATHER) SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A 153, CLASS B-2. METAL ACCESSORIES FOR USE IN INTERIOR WALL CONSTRUCTION SHALL BE MILL GALVANIZED IN ACCORDANCE W/ ASTM A 641, CLASS 1.
FILL DENSITY	PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM THE BUILDING AREA. DENSITY SHALL NOT BE LESS THAN 98% OF THE STANDARD PROCTOR DENSITY. ALL FILL MATERIAL SHALL BE INORGANIC W/ NOT MORE THAN 30% BY WEIGHT FINER THAN No. 200 U.S. STANDARD SIEVE CONFORMING TO THE FOLLOWING: A. LIQUID LIMIT, LW 30 MAXIMUM B. ELASTICITY, LW - 15, MAXIMUM C. DRY UNIT WEIGHT 100 LBS. PER CU. FT. ALL FILL MATERIAL SHALL BE UNIFORMLY PLACED AT OPTIMUM MOISTURE CONTENT IN 6 INCH UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR AND IN ACCORDANCE W/ ASTM D 698. FOOTINGS EXCAVATIONS SHALL BE INSPECTED BEFORE PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS SHALL REST ON SOUND EARTH. ALL SUBGRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED. SUBGRADE MUST BE ACCURATE WITHIN 1/4 INCH OF THE DESIGNATED LEVEL. ANY WALL WHICH IS TO RECEIVE BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNEVEN LOADS.
GENERAL	FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON THE PLAN VIEWS & DETAILED ELSEWHERE THIS SHEET SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION STEM WALL SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE A MINIMUM OF TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED WITH THE PREVIOUSLY DESCRIBED MASONRY UNITS. ALL STATE & LOCAL CODES SHALL BE COMPLIED WITH BY THE CONTRACTOR. 2500 P.S.I. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS.



CERTIFICATION:

THE STRUCTURE WILL BE USED FOR TYPE "R" OCCUPANCY.
MINIMUM SOIL BEARING PRESSURE = 1000 PSI
THE STRUCTURE WILL CONSIST OF TYPE "VI" CONSTRUCTION.
THESE PLANS COMPLY WITH SECTION 1908 OF THE 2004 RESIDENTIAL FLORIDA BUILDING CODE AS AMENDED FOR A 90 mph FASTEST MILE WIND SPEED.
THE WIND LOAD DESIGN PROVIDES:
1) BASIC WIND SPEED: 110 mph (3 sec. GUST FOR CLADDING, WINDOWS & DOORS)
2) IMPORTANCE FACTOR: 1.0
3) WIND EXPOSURE: B
4) INTERNAL PRESSURE: 0.0 (OPEN)
5) DESIGN WIND PRESSURE FOR COMPONENTS & CLADDING:
ROOF: 10.0 & -26.8

CENTER STEM WALL DETAIL

END STEM WALL DETAIL

PORCH STEMWALL SECTION

STEM WALL DETAIL

CERTIFICATION:

THIS DESIGN IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS APPROVED BY THE GOVERNING AUTHORITIES AND ISSUED FOR CONSTRUCTION BY THE ENGINEER.

SUWANNEE VALLEY ENGINEERING
P.O. Box 1388
203 E. DUVAL ST.
LIVE OAK, FL 32064
CALL: 386-892-7750
FAX: 386-362-4476
Peter M. Hahn
16328
FL PE
3572
FL CA
22052
FL CBC
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MODULAR HOUSE FOUNDATION
AARON AND DAWN BOX
LAKE CITY, FLORIDA 32025

FOUNDATION PLAN

PROJECT: 0605
SHEET

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OF 1 SHEETS