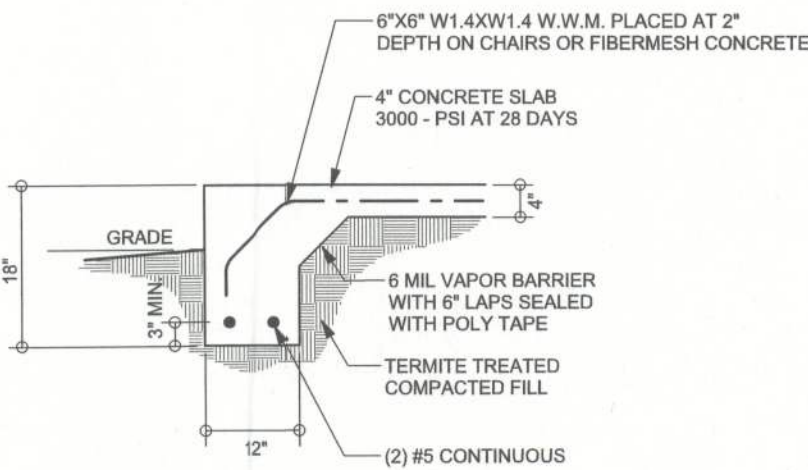
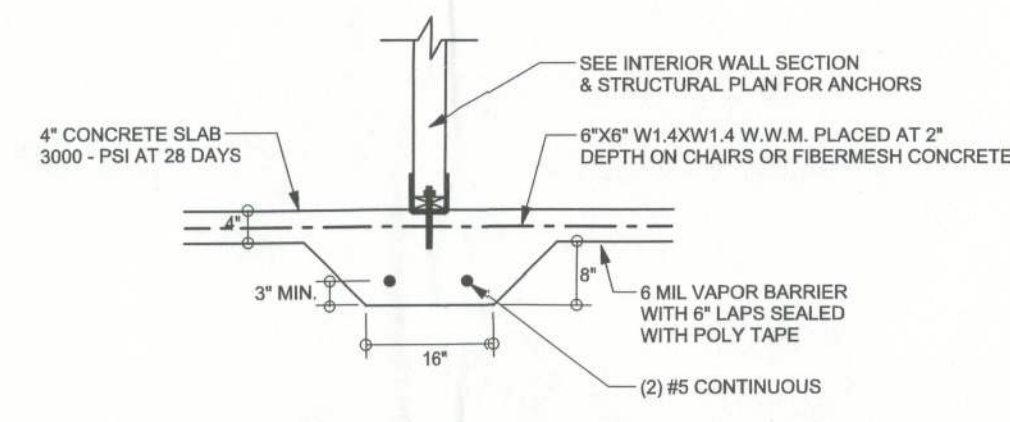


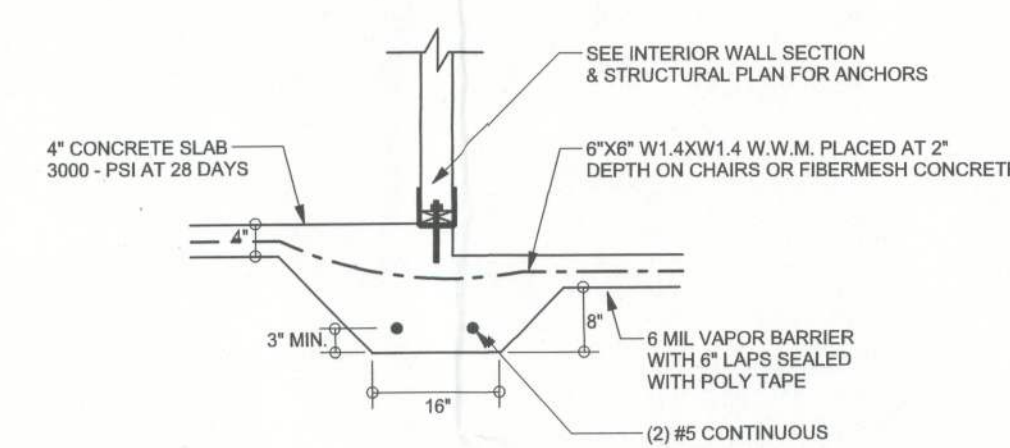
**F9**  
**S-2** **STEM WALL FOOTING**  
SCALE: 1/2" = 1'-0"



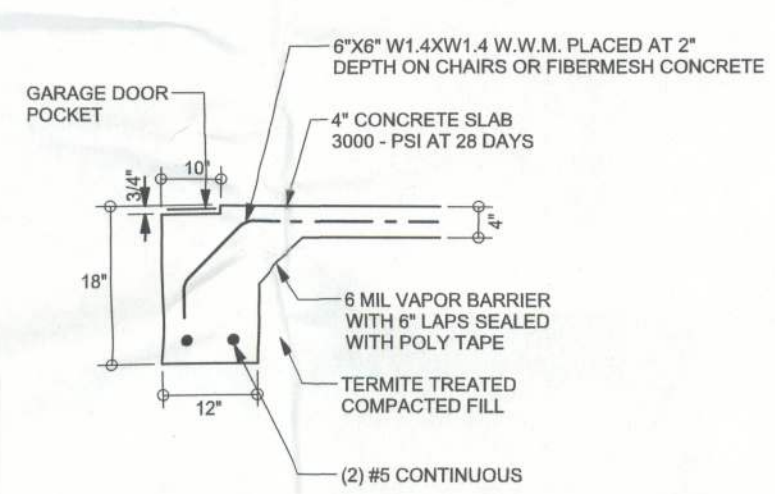
**F1**  
**S-2** **MONOLITHIC FOOTING**  
SCALE: 1/2" = 1'-0"



**F2**  
**S-2** **INTERIOR BEARING FOOTING**  
SCALE: 1/2" = 1'-0"



**F3**  
**S-2** **INTERIOR BEARING STEP FOOTING**  
SCALE: 1/2" = 1'-0"



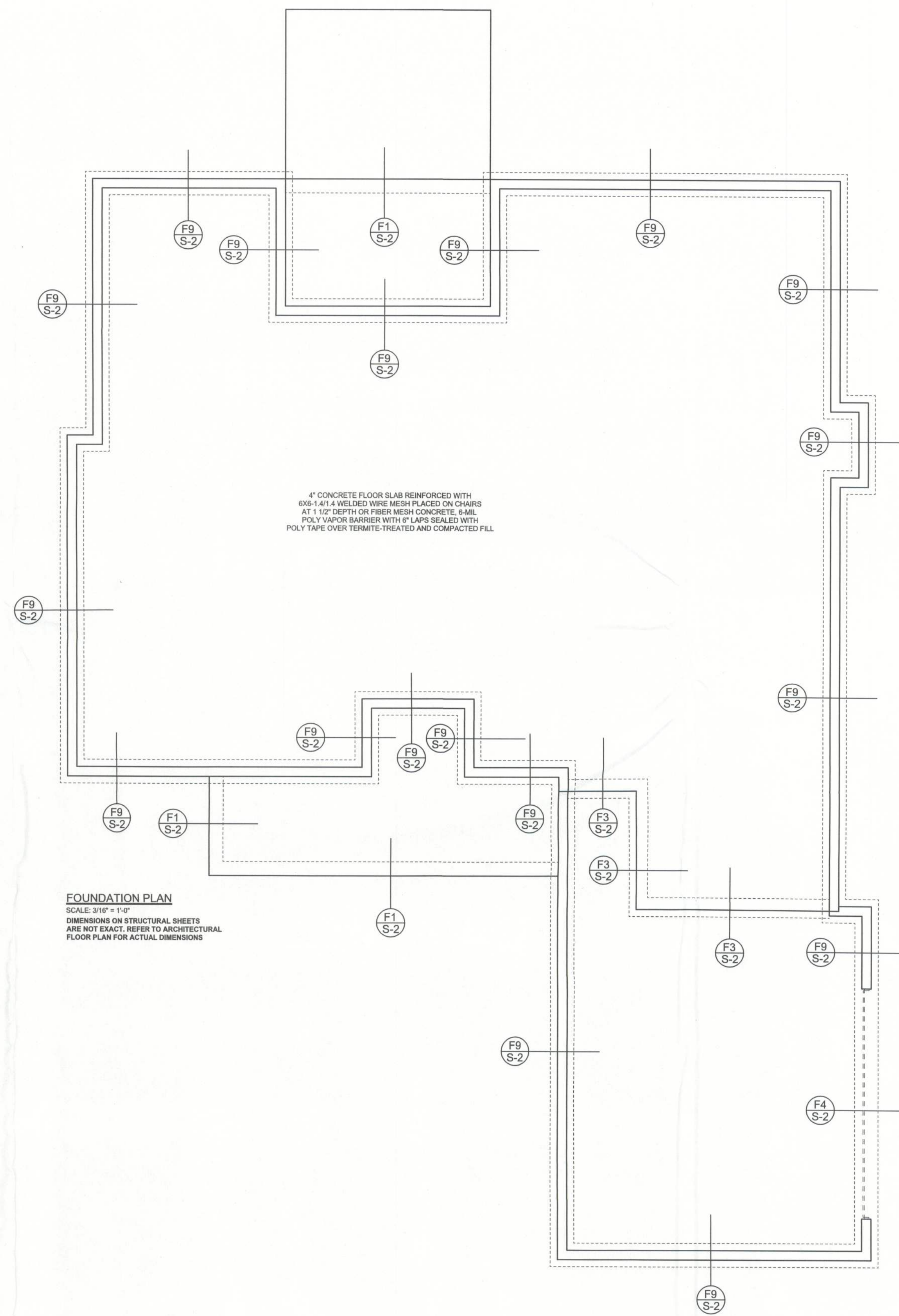
**F4**  
**S-2** **GARAGE DOOR FOOTING**  
SCALE: 1/2" = 1'-0"

**TALL STEM WALL TABLE**

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 16S continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

SEE ARCHITECTURAL FOUNDATION FOR ADDITIONAL NON - STRUCTURAL REQUIREMENTS LIKE STEP DOWNS, SHOWER RECESS, ECT.



**FOUNDATION PLAN**  
SCALE: 3/16" = 1'-0"  
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:  
Mark Disosway, PE  
No.53915, POB 868, Lake City, FL 32056,  
386-754-5419

DIMENSIONS:  
Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, florida building code residential 2007, to the best of my knowledge.

LIMITATION: This design is valid for one building at one location.

MARK DISOSWAY  
P.E. 68975  
No. 53915  
STATE OF FLORIDA  
PROFESSIONAL SEAL

**Bryan Zecher**  
**Construction**

Lester Residence

ADDRESS:  
Columbia County, FL

Mark Disosway P.E.  
P.O. Box 868  
Lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax: (386) 269 - 4871

PRINTED DATE:  
November 14, 2011

DRAWN BY: STRUCTURAL BY:  
David Disosway

FINALS DATE:  
14Nov11

JOB NUMBER:  
1111033

DRAWING NUMBER  
**S-2**  
OF 3 SHEETS