

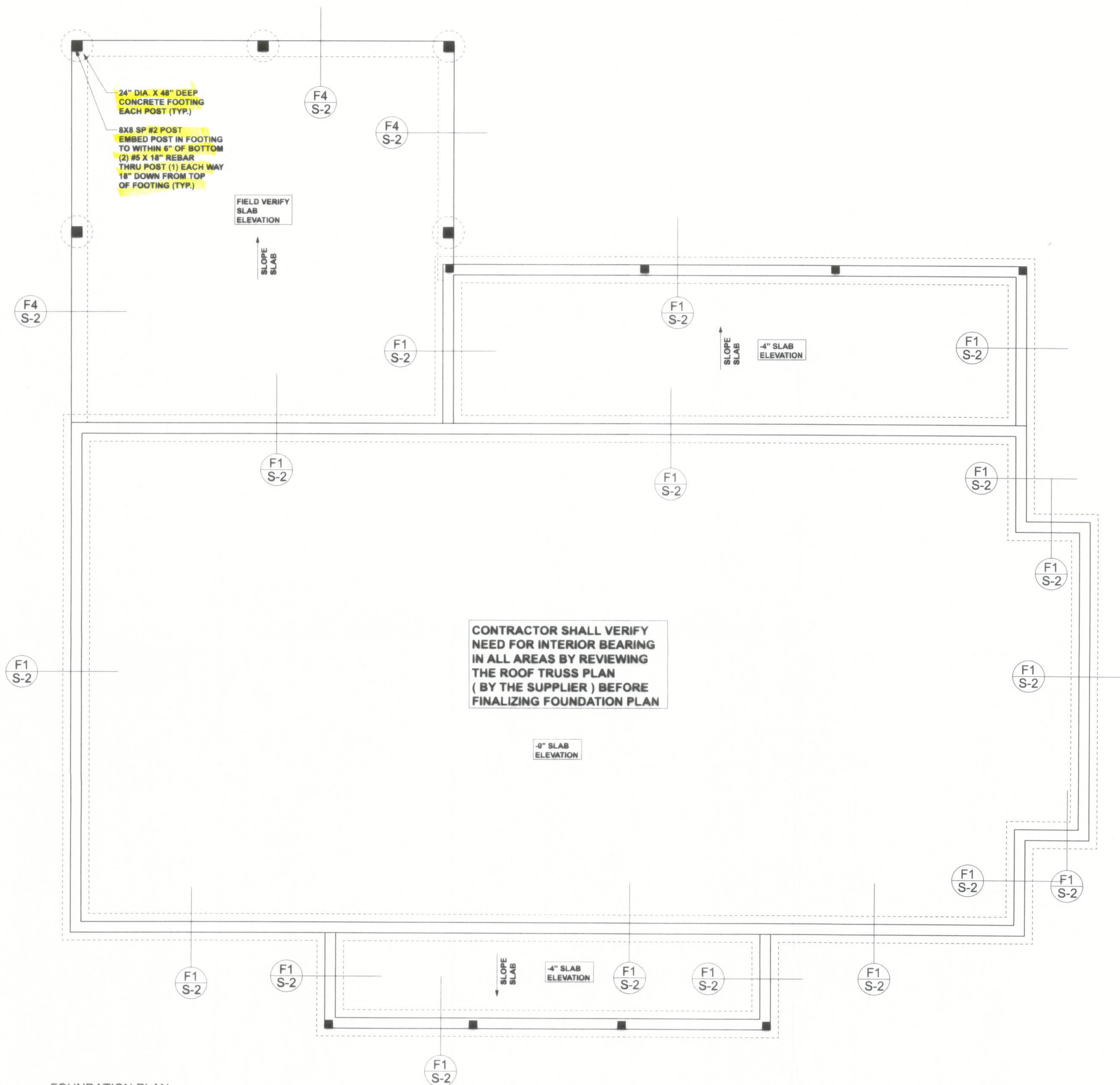
TALL STEM WALL TABLE:

The table assumes 40 ksi for #5 bar and 60 ksi for #7 & #8 bar 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 face of the wall). 3" wall is for high Durcrete® concrete reinforcement at 18"OC vertically or a horizontal bond beam with 196 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

<p>MASONRY NOTE:</p> <p>ALL MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 308.1M, 1988 AND ACI 308.2M). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 308.1-82 AND THESE DESIGN DRAWINGS. ANY EXCEPTION TO ACI 308.1-82 MUST BE APPROVED BY THE ENGINEER IN WRITING.</p>	
<p>ACI308.1-02 Section</p>	<p>Specific Requirements</p>
<p>1.AA Compressive strength</p>	<p>8" block bearing walls $F_m = 1500$ psi</p>
<p>2.1 Mortar</p>	<p>ASTM C 270, Type N, UNO</p>
<p>2.2 Grout</p>	<p>ASTM C 476, admixtures require approval</p>
<p>2.3 CMU standard</p>	<p>ASTM C 90-02, Normal weight, hollow, surface finish, B, 8"x8"x16" running bond and 1/2"x12"x16" header course</p>
<p>2.3 Clay brick standard</p>	<p>ASTM C 216-02, Grade SW, Type FBS, 5 1/2"x7 1/2"x16"</p>
<p>2.4 Reinforcing bars, #3 - #11</p>	<p>ASTM A15, Grade 40, $F_y = 40$ ksi, Lap splices at 40 bar dia.</p>
<p>2.4F Coating for corrosion protection</p>	<p>ASTM A95, sheet metal ties completely embedded in mortar or grout, ASTM A225, Class G60, 0.60 oz./sq. ft. S454S</p>
<p>2.4F Coating for corrosion protection</p>	<p>Joint reinforcement in walls exposed to moisture or wet areas, sheet metal ties not completely embedded in mortar or grout, ASTM A15, Class B2, 1.50 oz/sq ft or S454S</p>
<p>3.3.E.2 Pipes, conduits, and accessories</p>	<p>Any not shown on the project drawings require engineering approval.</p>
<p>3.3.E.7 Movement joints</p>	<p>Contractor assumes responsibility for type and location of movement joints not installed on project drawings.</p>

**BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF
12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL**



**CONTRACTOR SHALL VERIFY
NEED FOR INTERIOR BEARING
IN ALL AREAS BY REVIEWING
THE ROOF TRUSS PLAN
(BY THE SUPPLIER) BEFORE
FINALIZING FOUNDATION PLAN**

-0" SLAB
ELEVATION

FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FOUNDATION NOTES	
FN - 1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT REFERENCE ARCHITECTED FOUNDATION PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISALLOW DESIGN GROUP OR DISALLOW DISALLOW IS DISALLOW DESIGN GROUP FOR DIMENSION ERRORS ON THIS PLAN.
FN - 2	CONTRACTOR SHALL VERIFY NEED FOR INTERNAL BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) AND THE FOUNDATION PLANS.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ 6X6-1/4 WELDED WIRE MESH PLACED ON CHAIRS @ 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY FIBER BARRIER W/ 6 MIL CAPS SEALED W/ POLY TAPE OVER JOINTS AND ALL REINFORCED FILL.

FOUNDATION DESIGN: Size footings per truss reactions and other loads. Locate footings per truss bearings. Interior shear walls require a thickened slab footing. For point loads > 5000 lb or repetitive loads > 3000 lb per truss provide pad footing 1' x 1' sqft, #5, 8"oc each way per 1500 lb of load.

B&B HOMES

Columbia County, FL



Friday, September 15, 2023

MEASUREMENTS:
Estimated dimensions supercede scaled dimensions. Refer all questions to Mark Discoway, 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 provisions of the plan, relating to wind engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

MITIGATION: This design is valid for one building, at specified location.

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OB NUMBER:
231112

S-2

3 SHEETS