

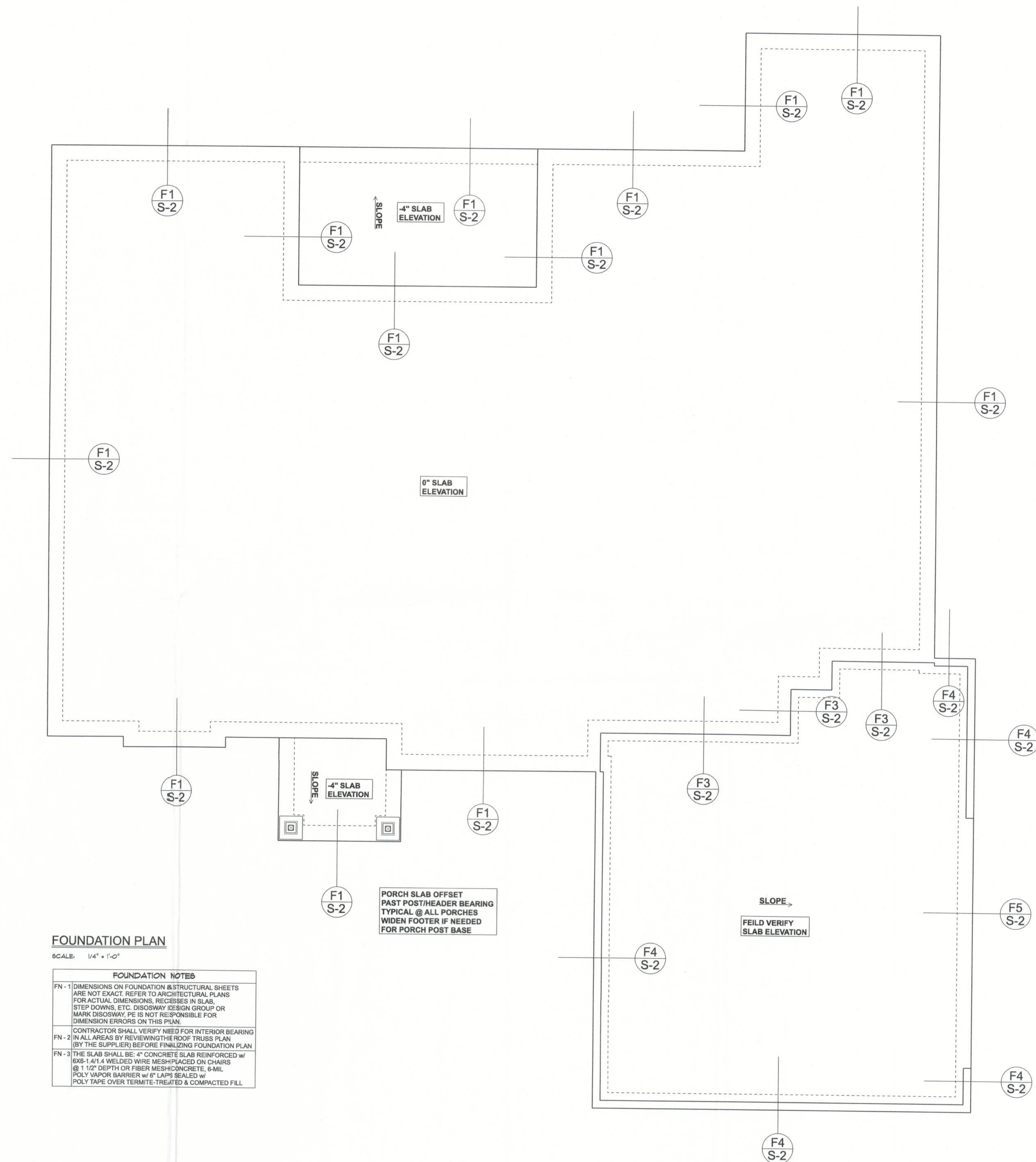
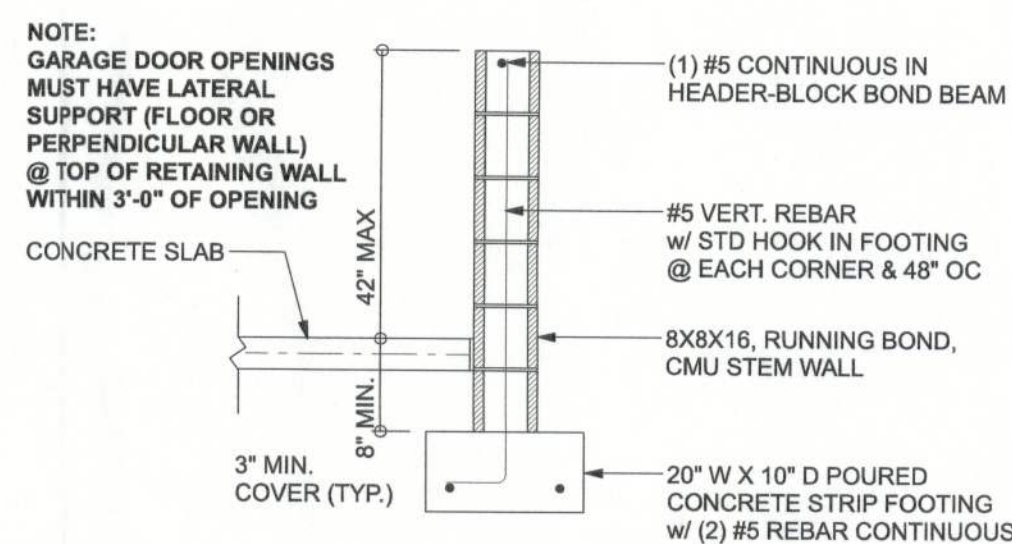
TALL STEM WALL TABLE:

The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar 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 Durowall ladder reinforcement at 16"OC vertically or a horizontal bony or bar with 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 6" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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: MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1-02, 530.1-04, 530.1-08, 530.1-10, 530.1-12). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTION TO ANY REQUIREMENT OF ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.</p>	
ACI530.1-02 Section	Specific Requirements
1.AA Compressive strength	8" block bearing walls W/F = 1500 psi
2.1 Mortar	ASTM C 270, Type N, UNO
2.2 Grout	ASTM C 478, admixture requires approval
2.3 CMU standard	ASTM C 90, Normal weight, Hollow, medium surface finish, 16"x8"x16" running bond and 12"x12"x16" for T-cavity block
2.3 Gray brick standard	ASTM C 216/60, Grade SW, Type FBS, R 20/20-11.5
2.4 Reinforcing bars, #3 - #11	ASTM #15, Grade 40, YF = 40 ksi, Lap splices min 6 bar dia. (25" for #4)
2.4F Coating for corrosion protection	Anchor metal tie plates completely embedded in mortar or grout. ASTM A225, Class 600, 0.005 in. max. 254505
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wet lines, anchors, steel metal ties not completely embedded in mortar or grout, ASTM A155, Class 2, 1.50 oz/ft ² or 3040S
3.3.E.2 Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7 Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

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



FOUNDATION PLAN

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

FOUNDATION NOTES	
FN - 1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOWAY DESIGN GROUP OR ITS SUBSIDIARY, INC. IS NOT RESPONSIBLE 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) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE FOUNDATION SHALL BE: CONCRETE SLAB REINFORCED W/ 6X6-1/4" 4 WELDED WIRE BARS @ 12" DEPTH OR FIBER MESH REINFORCED, 6-MIL. POLY VAPOR BARRIER W/ 6" LAP'S SEALED W/ 100% BUTYL GUM OVER TOP OF CONCRETE.

Gibraltar Contracting, LLC

The McCormick's

PROJECT ADDRESS:
Lot 5, Rose Creek Plantation,
Lake City, FL 32024

FL PE 53915

This item has been digitally signed and sealed by Mark Disoway PE on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be



DIMENSIONS:
Stated dimensions supercede scale
dimensions. Refer all questions to
Mark Disosway, P.E. for resolution.

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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 the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

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

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JOB NUMBER:
231538

S-2
OF 3 SHEETS