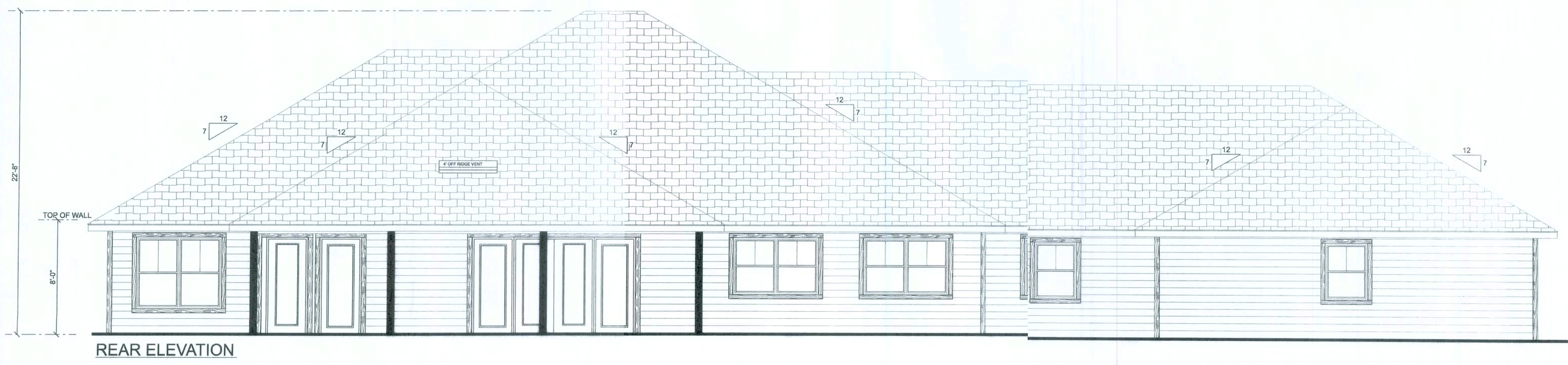
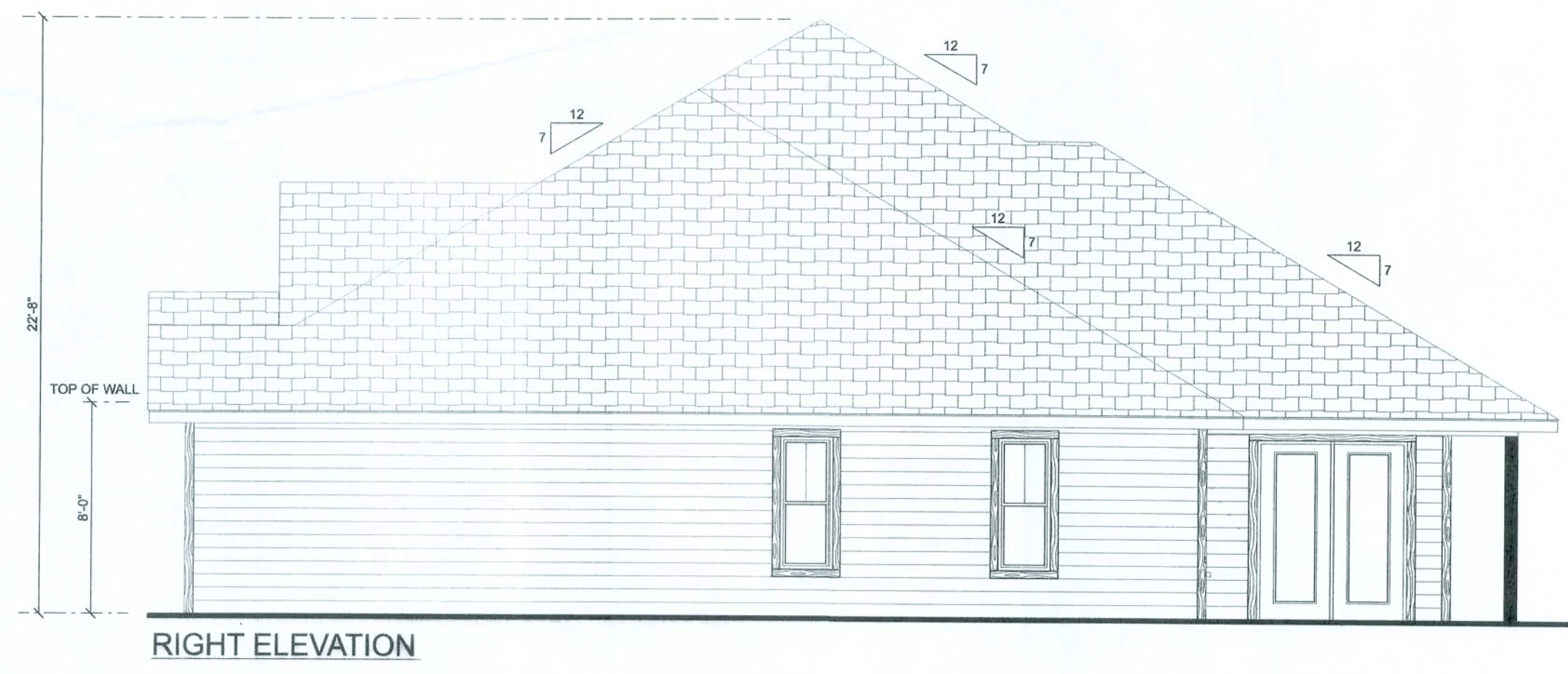
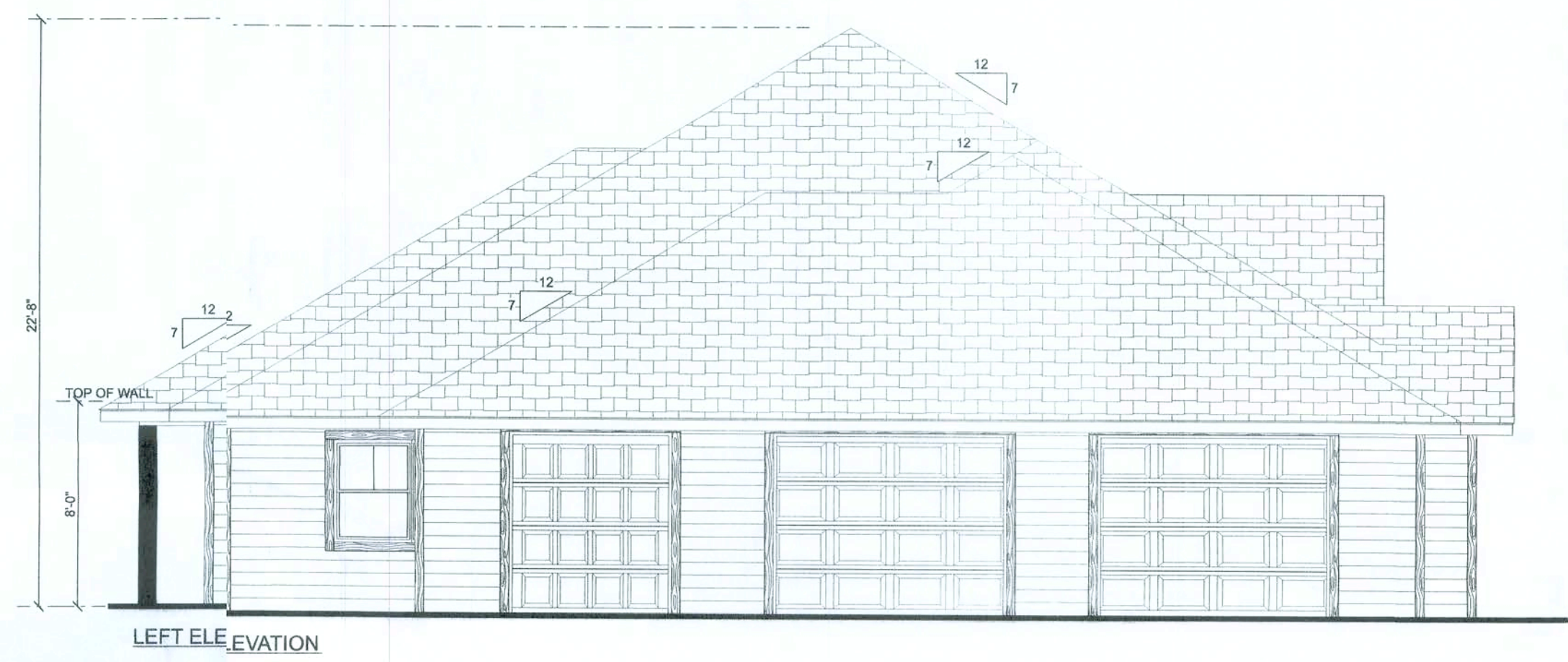
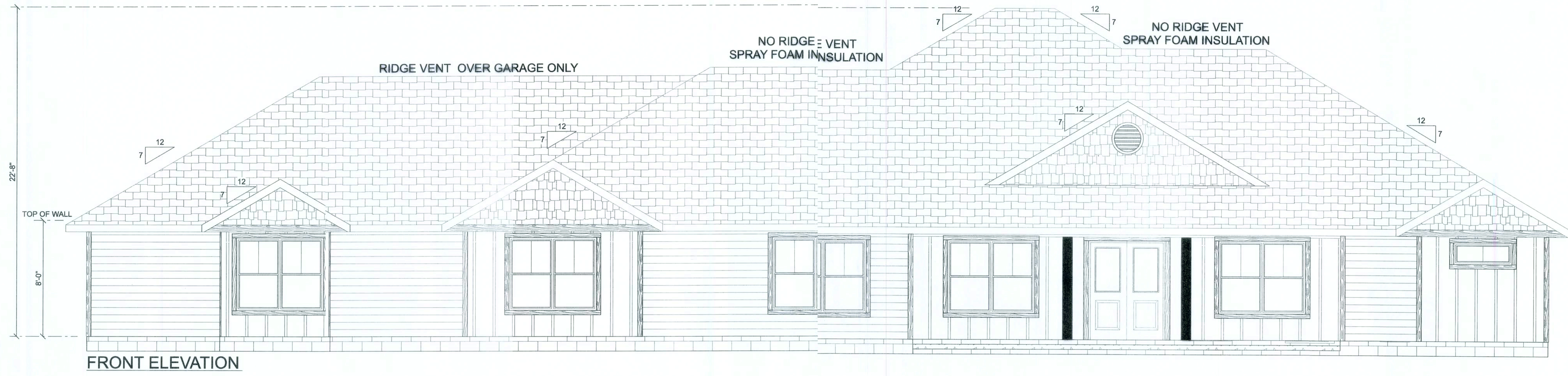


REVISIONS	

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REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
3808 S.F. / 300 x 50% = 6.3 S.F. RIDGE VENT AREA REQUIRED
58 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT
3808 S.F. / 300 x 50% = 6.3 S.F. SOFFIT VENT AREA REQUIRED
210 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN2/FT (.11 FT2/FT)
2. OFF-RIDGE VENTS = .70 FT2 PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN2/FT (.03 FT2/FT)

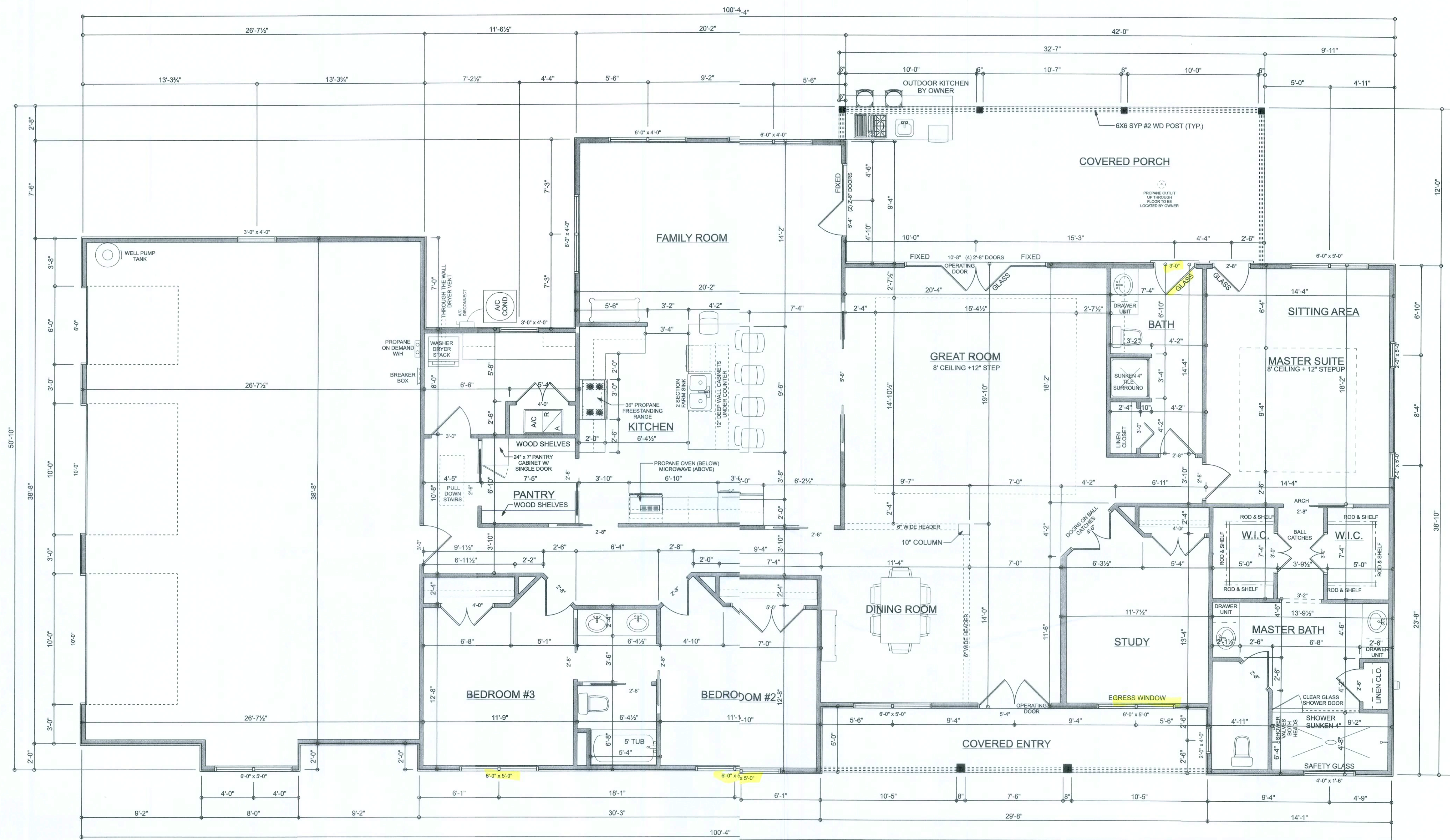
**ERKINGER
CONSTRUCTION
GROUP**

John and Lisa
Hutcherson

ADDRESS:
498 NW Levi Glen
Lake City, FL 32055
Lot#4 Block B
Hills of Hutsville SD
Parcel ID#09-3516-02032-214

PRINTEDATE:
Sunday, June 6, 2021

DRAWING NUMBER
#1
OF 3 SHEETS



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

ALL WINDOWS WITHIN 18" OF FINISH FLOOR
HEIGHT ARE SAFETY GLASS
ALL CEILINGS ARE 8'-0" UNLESS NOTED OTHERWISE

AREA SUMMARY

LIVING AREA	2,881 S. F.
GARAGE AREA	1,058 S. F.
PORCH AREA	526 S. F.
TOTAL AREA	4,465 S. F.

R302.5.1 Opening protection:

Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches in thickness, solid or honeycomb-core steel doors not less than 1 3/8 inches thick, or 20-minute fire-rated doors, equipped with a self-closing device.

TABLE R302.6 DWELLING/GARAGE SEPARATION:

SEPARATION	MATERIAL
From the residence and attic	Not less than 1/2-inch gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 1/2-inch gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

**ERTINGER
CONSTRUCTION
GROUP**

Johr and Lisa
Hucherson

ADDRESS:
498 NW Levi Glen
Lake City, FL 32055
Lot#4 Block B
Hills o Huntsville SD
Parcel ID#0-38-16-02032-214

PRINTED DATE:
Sunday, June 6, 2021

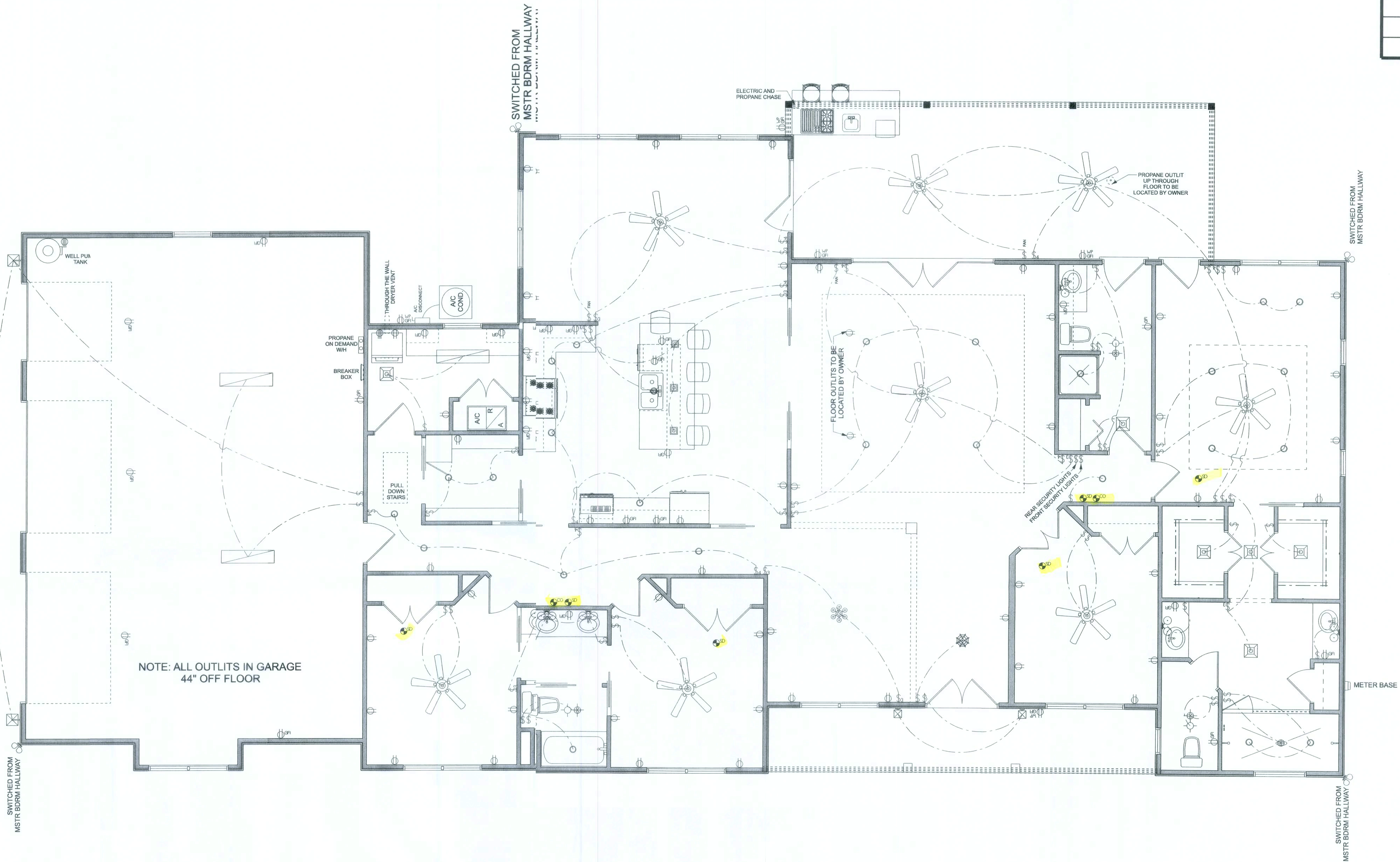
DRAWING NUMBER

#2

OF3 SHEETS

ELECTRICAL LEGEND	
ELECTRICAL	SYMBOL
AC Disconnect	
detector - CO	
detector - smoke	
fan - Bath fan light	
light - can light	
light - exterior spotlights	
light - exterior wall	
light - fluorescent 1 x 4	
outlet	
outlet - 220v	
outlet - WP	
outlet - gfi	
switch	
switch - 3 way	
switch - 4 way	
ceiling fan 5 bladed 03	
ceiling shade square	
chandelier 01	
chandelier 02	
pendant large	
exterior craftsman light fixture	
electrical panel	
fan	
wall mounted 01 2 lights	

ELECTRICAL PLAN NOTES:	
E - 1	WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
E - 2	CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
E - 3	ALL INSTALLATIONS SHALL BE PER NATL. ELECTRIC CODE.
E - 4	ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
E - 5	TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNERS DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
E - 6	ELECTRICAL CONTR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
E - 7	ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
E - 8	ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
E - 9	ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION.
E - 10	A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
E - 11	CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.
E - 12	ALL OUTLETS LOCATED IN RESIDENTIAL TO BE TAMPER-RESISTANT PER NEC.
E - 13	A MINIMUM OF 75% OF PERMANENTLY INSTALLED LAMPS OR LIGHTING FIXTURES SHALL BE HIGH EFFICACY FBC EC SEC. R404.1



REVISDNS

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ERINGER
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ADDRESS:
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Lot# Block B
Hills of Huntsville SD
Parcel ID#09-35-16-02032-214

PRINTED DATE:
Sunda, June 6, 2021

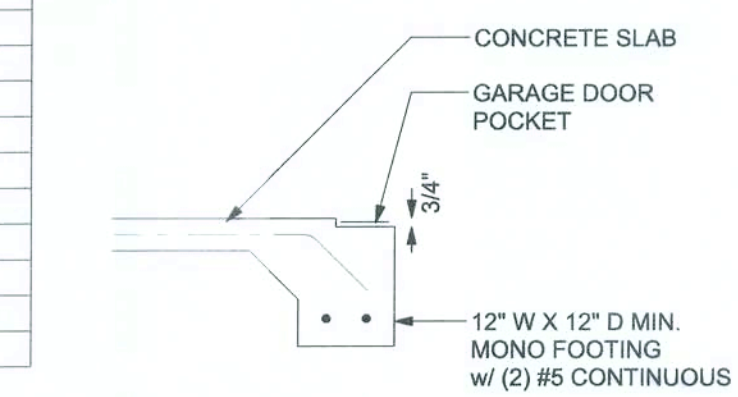
DRAWING NUMBER
#3
OF : SHEETS

MASONRY NOTE: MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.		
ACI 530.1-02 Section	Specific Requirements	
1.4A Compressive strength	8" block bearing walls Fm = 1500 psi	
2.1 Mortar	ASTM C 270, Type N, UNO	
2.2 Grout	ASTM C 476, admixtures require approval	
2.3 CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block.	
2.3 Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"	
2.4 Reinforcing bars, #3 - #11	ASTM 615, Grade 40, Fy = 40 ksi. Lap splices min 40 bar dia. (20" for #5)	
2.4F Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout. ASTM A525, Class 505, 0.60 oz/lb or 304SS	
2.4F Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout. ASTM A153, Class B2, 1.50 oz/lb or 304SS	
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.	

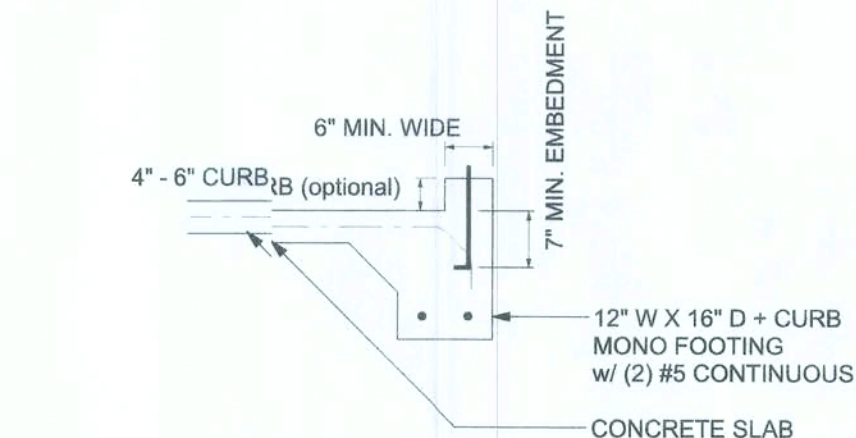
TALL STEM WALL TABLE:							
The table assumes 40 ksi for #5 rebar and 60 ksi for #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duroil ladder reinforcement at 16" OC vertically or a horizontal bond beam with 1#5 continous at mid height. For higher parts of the wall, 12" CMU may be used with reinforcement 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	5	96	96	96
4.0	3.7	96	96	5	96	96	96
4.7	4.3	88	96	5	96	96	96
5.3	5.0	56	96	5	96	96	96
6.0	5.7	40	80	5	80	96	96
6.7	6.3	32	56	5	56	96	96
7.3	7.0	24	40	5	40	80	96
8.0	7.7	16	32	5	32	64	80
8.7	8.3	8	24	5	24	48	64
9.3	9.0	8	16	5	16	40	48

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

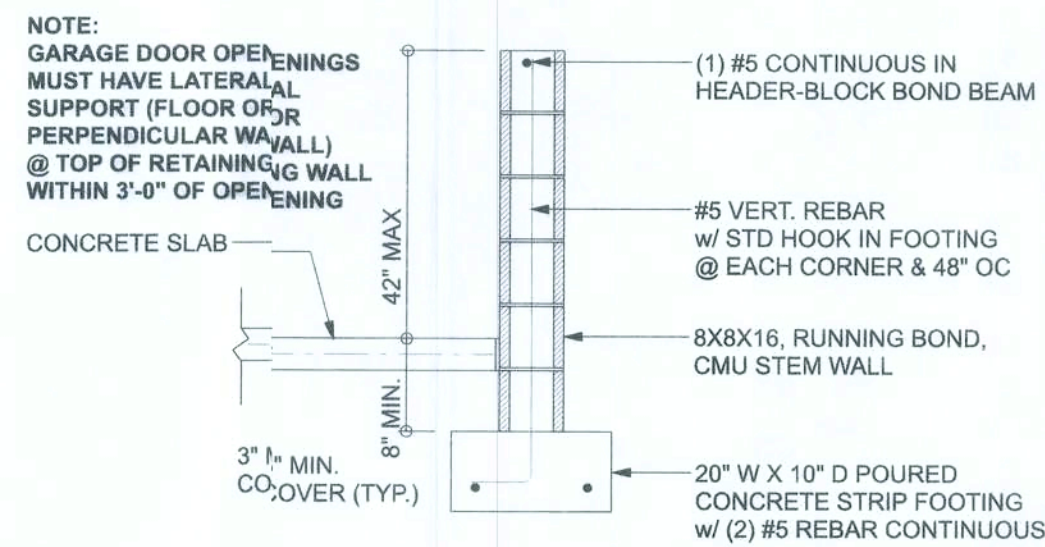
FOUNDATH NOTES	
FN-1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS. CHECKES IN SLAB, STEP DOWNS, ETC. DISCOVERY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
FN-2	CONTRACTOR SHALL VERIFY FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN-3	THE SLAB SHALL BE: 4" CORETE SLAB REINFORCED w/ 6X8-14/14 WELDED WIRE SH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER SH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6PS SEALED w/ POLY TAPE OVER TERMITE TREATED & COMPACTED FILL.



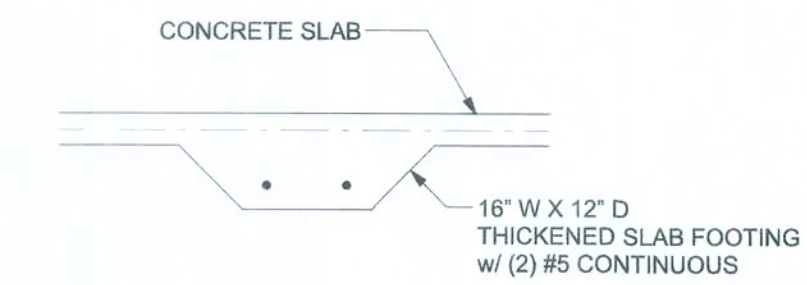
F5 S-2 GARAGE DOOR POCKET FOOTING
SCALE: 1/2" = 1'-0"



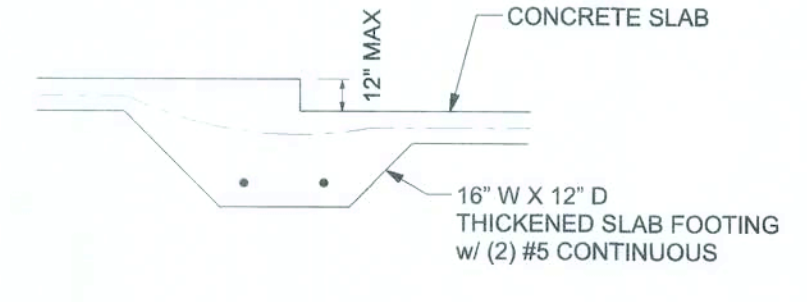
F4 S-2 OPTIONAL MONOLITHIC CURB FOOTING
SCALE: 1/2" = 1'-0"



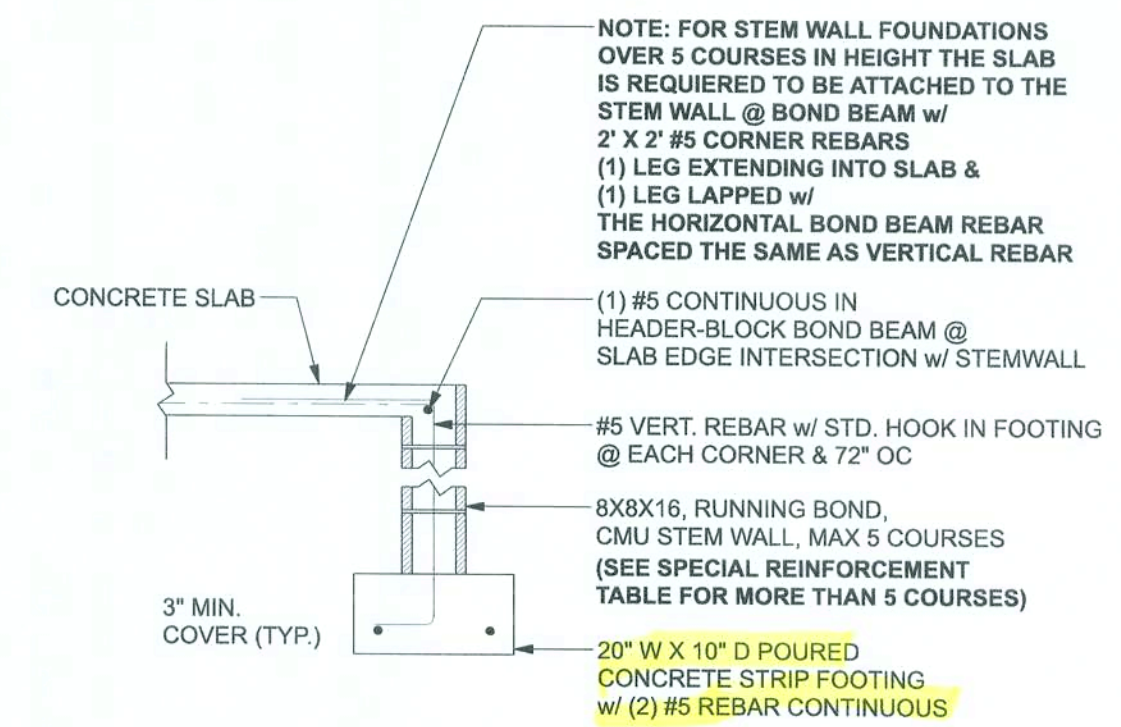
F4 S-2 STEM WALL CURB FOOTING
SCALE: 1/2" = 1'-0"



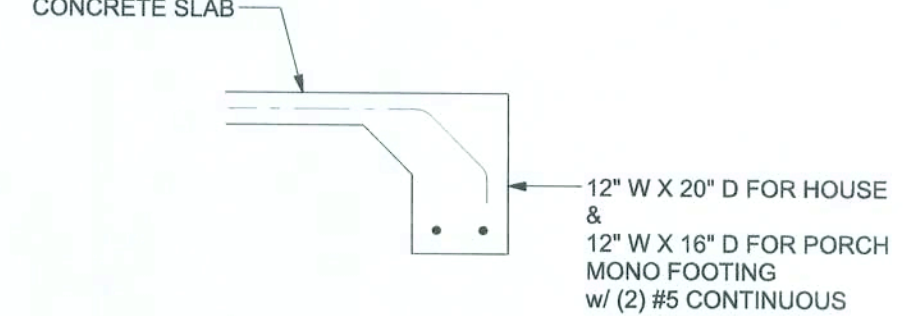
F2 S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



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



F1 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



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

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

ERKINGER
CONSTRUCTION GROUP

John and Lisa
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ADDRESS:
498 NW Levi Glen
Lake City, FL 32055
Linda Block B, Hills of Huntsville SD
Phone: 10495-55-10-02052-14

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

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CERTIFICATION: hereby certify that I have examined this plan and that the applicable portions of the plan relating to civil engineering comply with the 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915



Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City Florida 32025
386754.5419
disoswaydesign@gmail.com

JOB NUMBER:
2 0830

S-2
OF 1 SHEETS

