


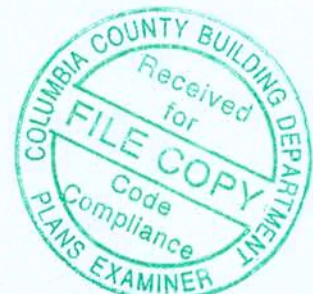


SCALE:  $1/8" = 1'-0"$

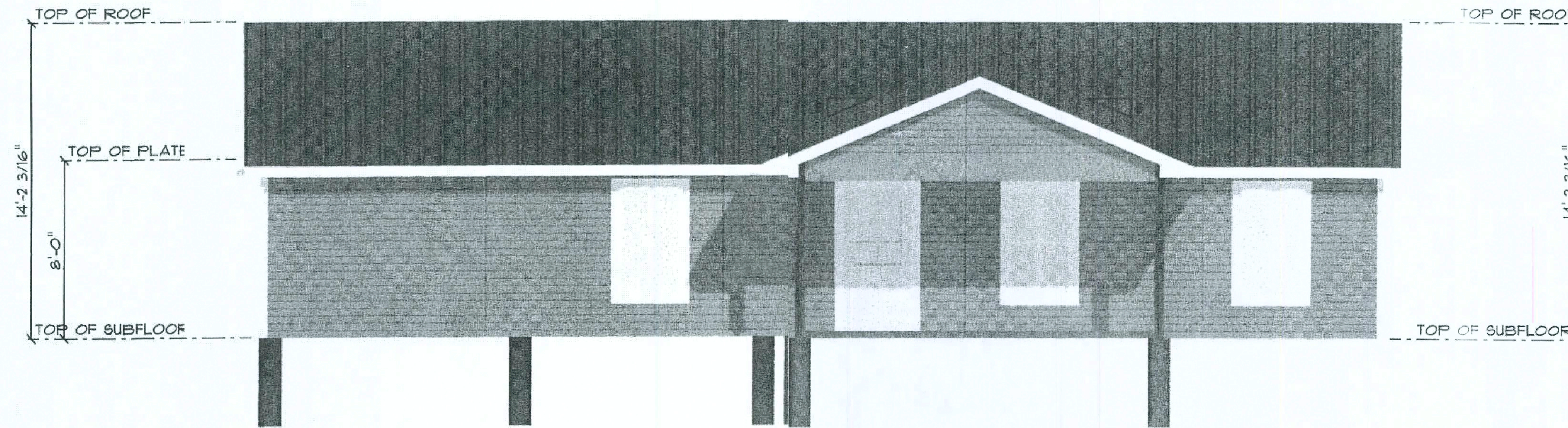
Details:  
8ft wall height; 5/12 pitch  
Hardie Lap siding  
30 year architect shingles  
Aluminum soffit and facing  
Low-E vinyl windows

AREA SCHEDULE		
NAME	COLOR	AREA
Gross Floor Area		1419.6 sq ft.
Area 2		500.0 sq ft.
Area 3		1921.4 sq ft.

Connie Ratliff Residence  
520 Manatee Place  
Lake City, FL 32055

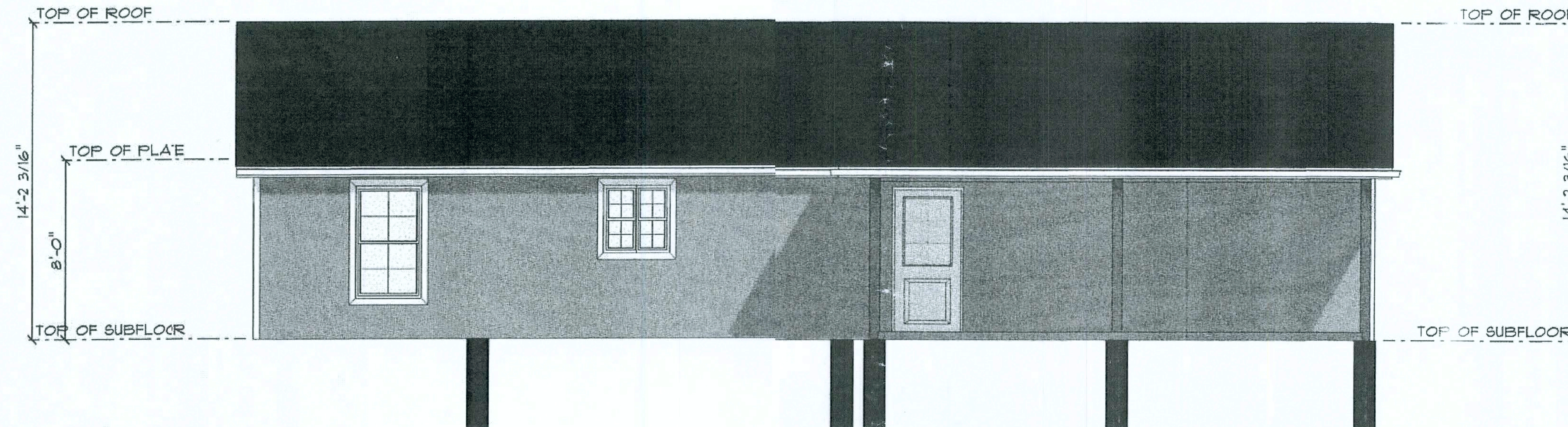






## Front Elevation

SCALE: 1/8" = 1'-0"

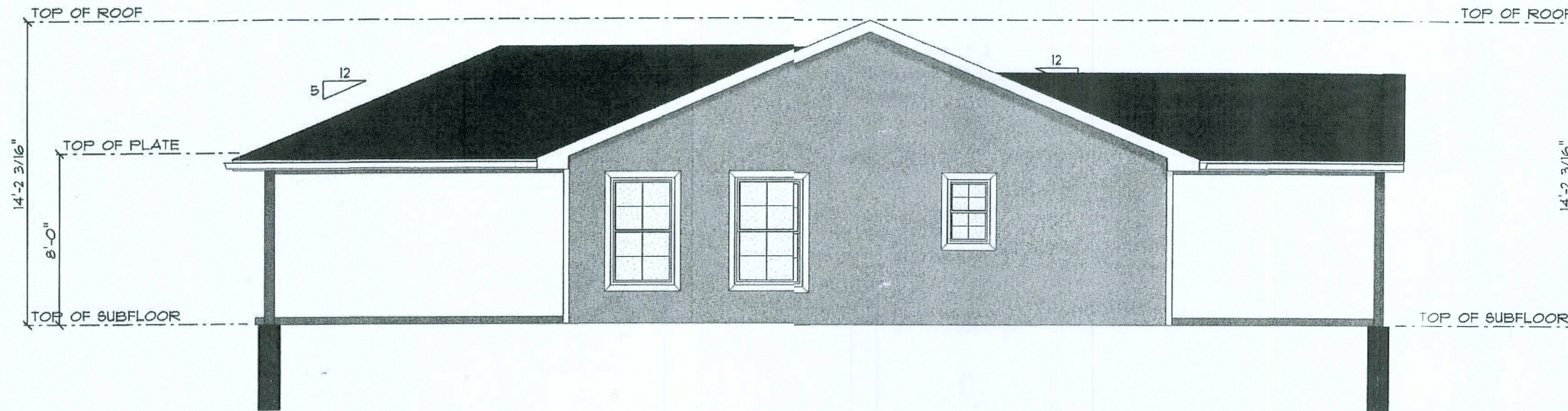


## Rear Elevation

SCALE: 1/8" = 1'-0"

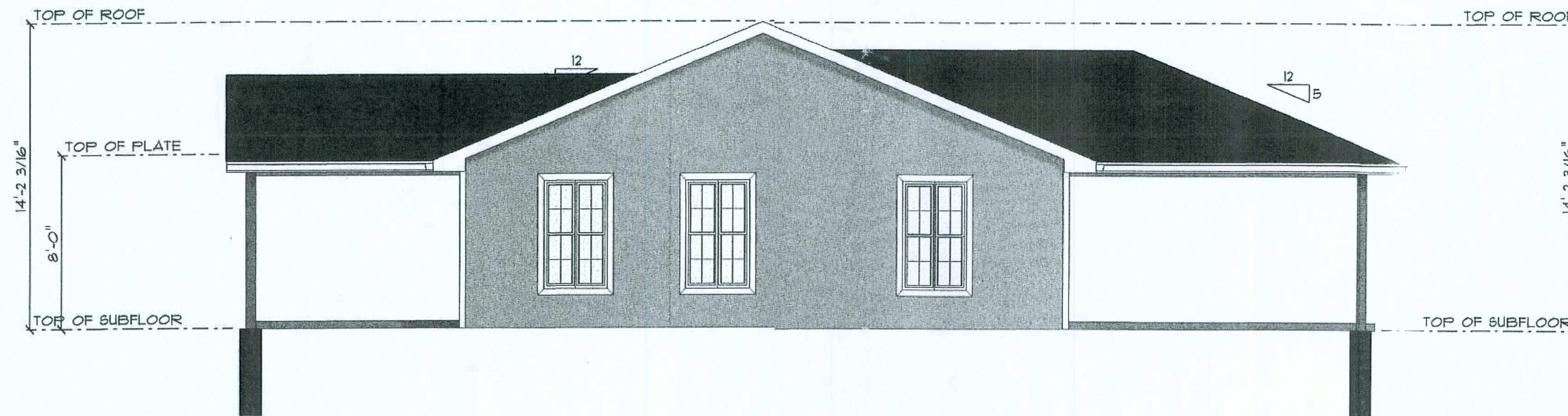
Connie Ratliff Residence  
520 Manatee Place  
Lake City, FL 32055





## Left Elevation

SCALE: 1/8" = 1'-0"

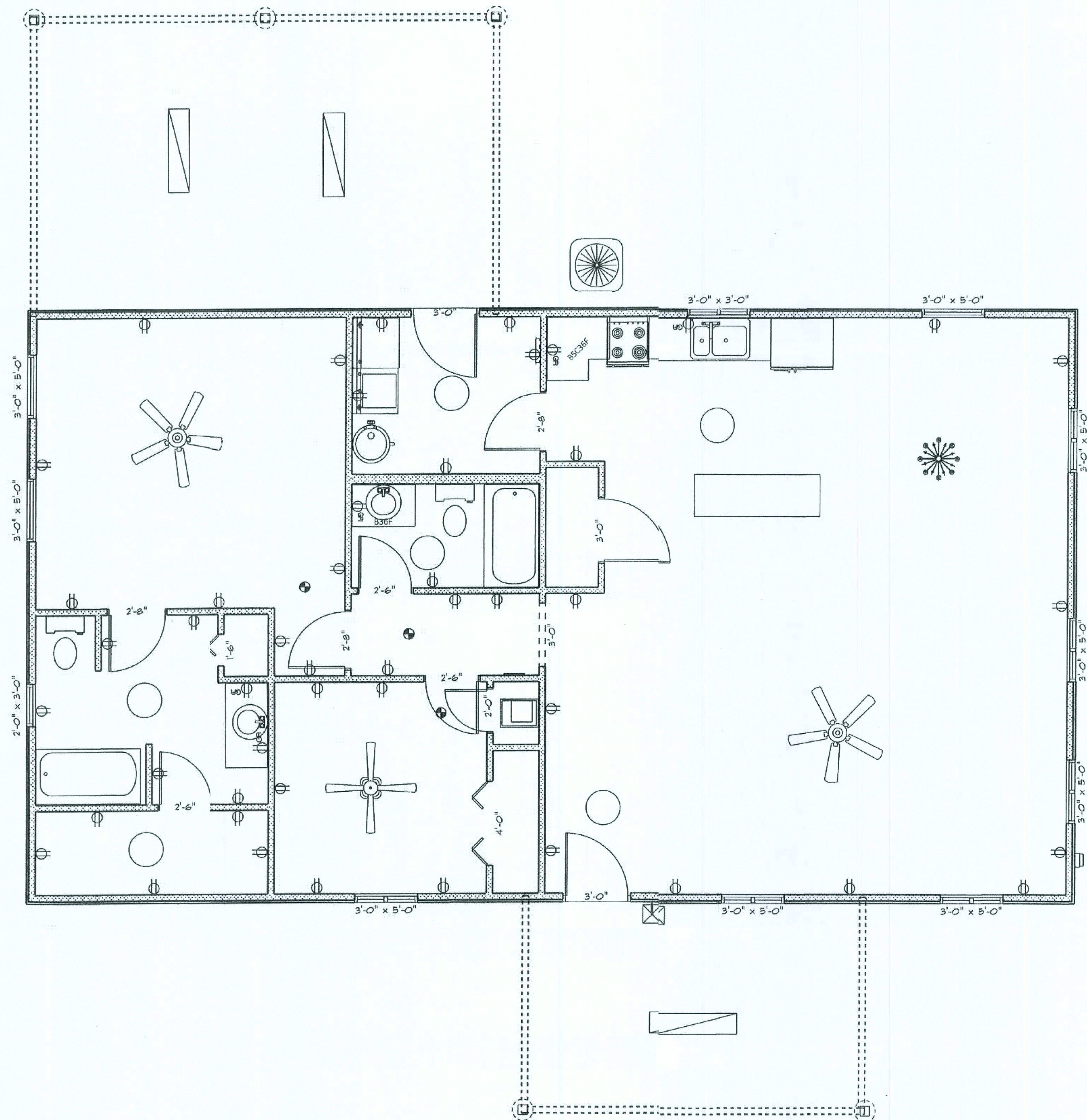


## Right Elevation

SCALE: 1/8" = 1'-0"

Connie Ratliff Residence  
520 Manatee Place  
Lake City, FL 32055



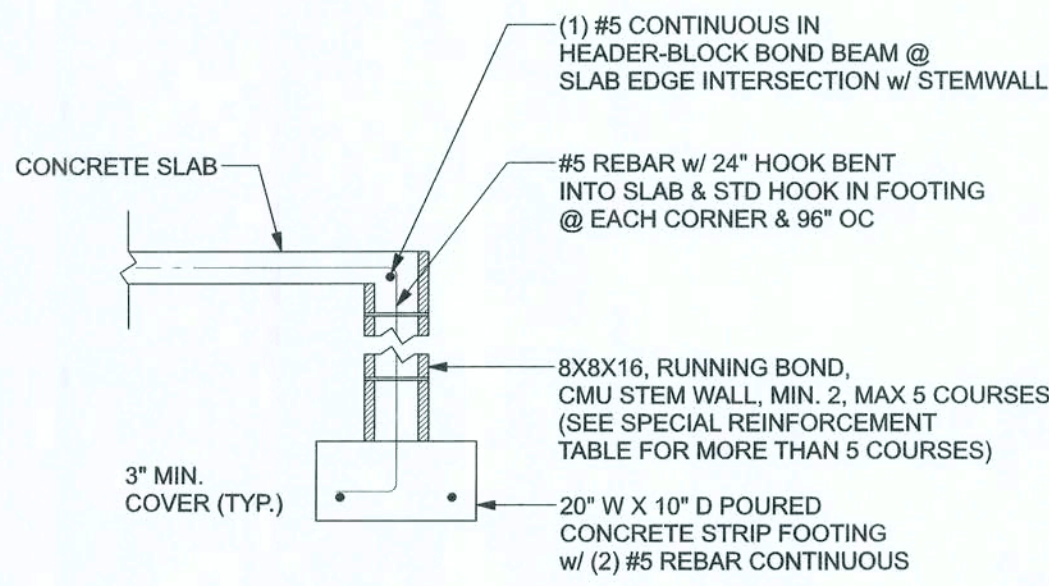


AREA SCHEDULE		
NAME	COLOR	AREA
Gross Floor Area		1419.6 sq ft
Area 2		500.0 sq ft
Area 3		1921.4 sq ft

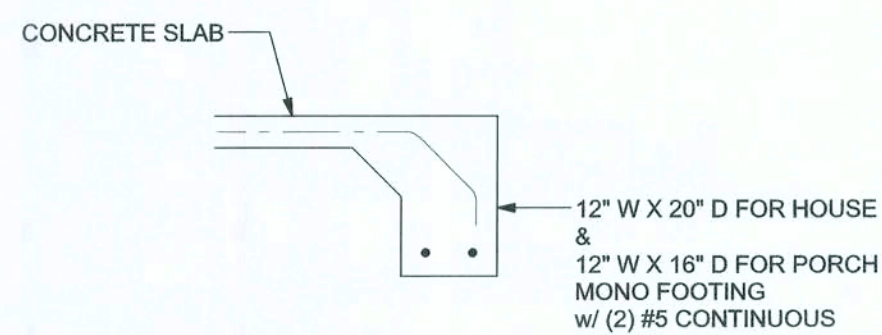




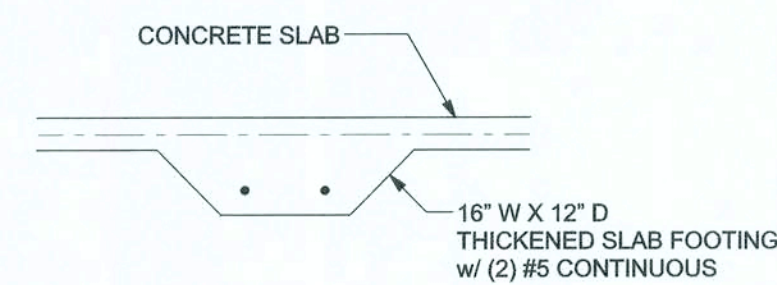




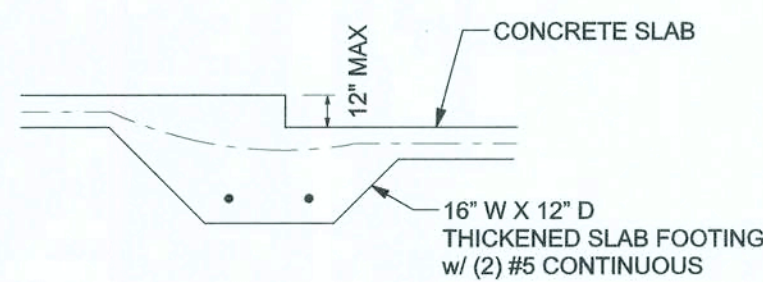
**F1 S-2**  
SCALE: 1/2" = 1'-0"



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



**F3 S-2**  
SCALE: 1/2" = 1'-0"



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

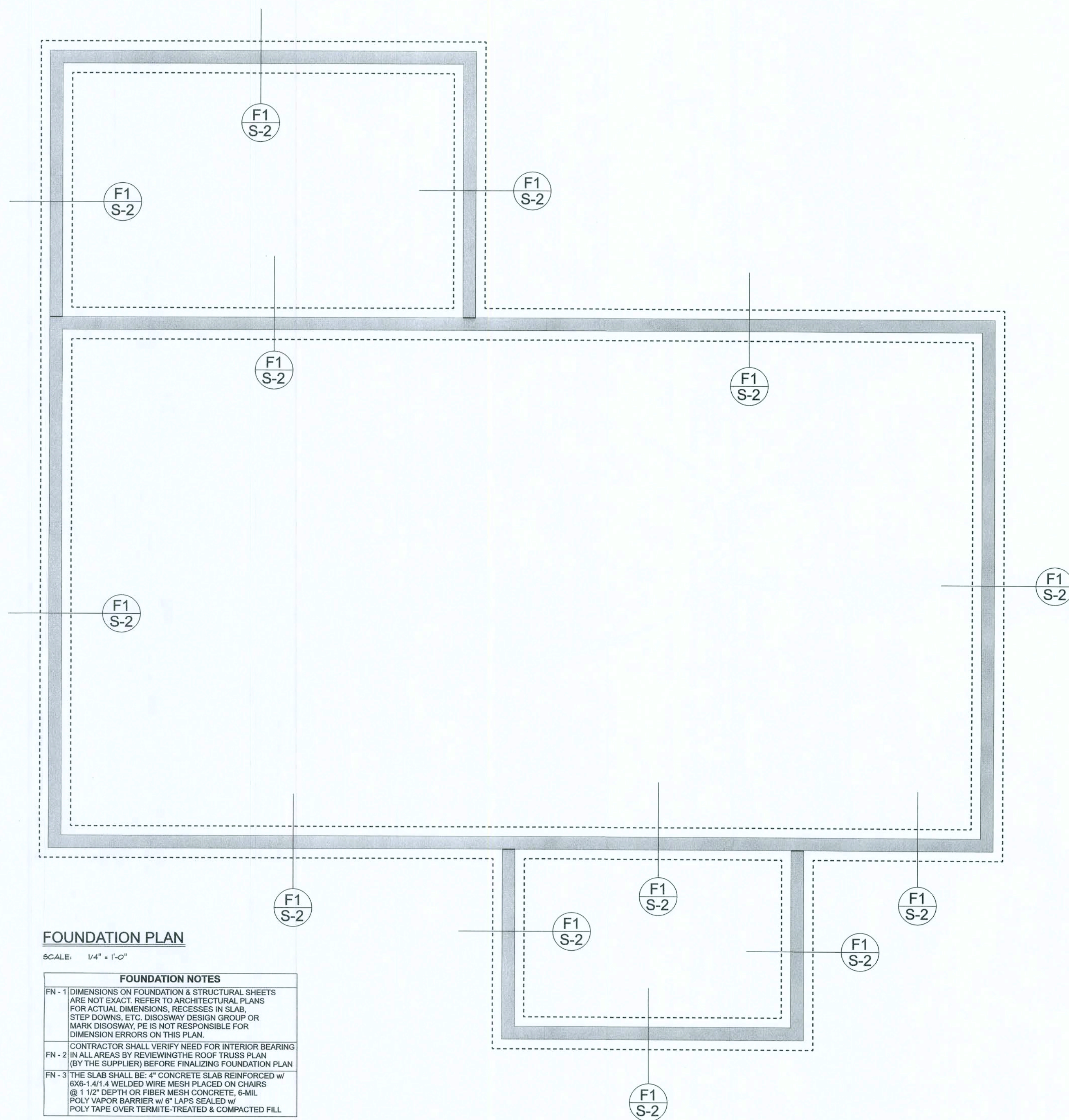
**TALL STEM WALL TABLE:**  
The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Duowall ladder reinforcement at 16" OC vertically or a horizontal bond beam with #5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" 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

**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 $F_m = 1500$ 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, 9"x6"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 60, $F_y = 40$ ksi, Lap splices min 40 bar dia. (35" for #5)
2.4F	Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 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.

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC 2017-RES. SECTION R403.1.4



#### FOUNDATION PLAN

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

#### FOUNDATION NOTES

- FN - 1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOWAY DESIGN GROUP OR MARK DISOWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
- CONTRACTOR SHALL VERIFY NEED 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" CONCRETE SLAB REINFORCED w/ (X48-14) 1/4 WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITES-TREATED & COMPACTED FILL.

John Norris Construction Inc

Connie Ratliff Res.

PROJECT ADDRESS:  
4889 NE Manatee Place  
Lake City, FL 32055

**DIMENSIONS:**  
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, 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 the 6th Edition Florida Building Code Residential (2017) to the best of my knowledge.

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



Wednesday, November 13, 2019

Mark Disoway P.E.  
103 SW Midtown Place  
Suite 103  
Lake City, Florida 32025  
386.754.5419  
disowaydesign@gmail.com

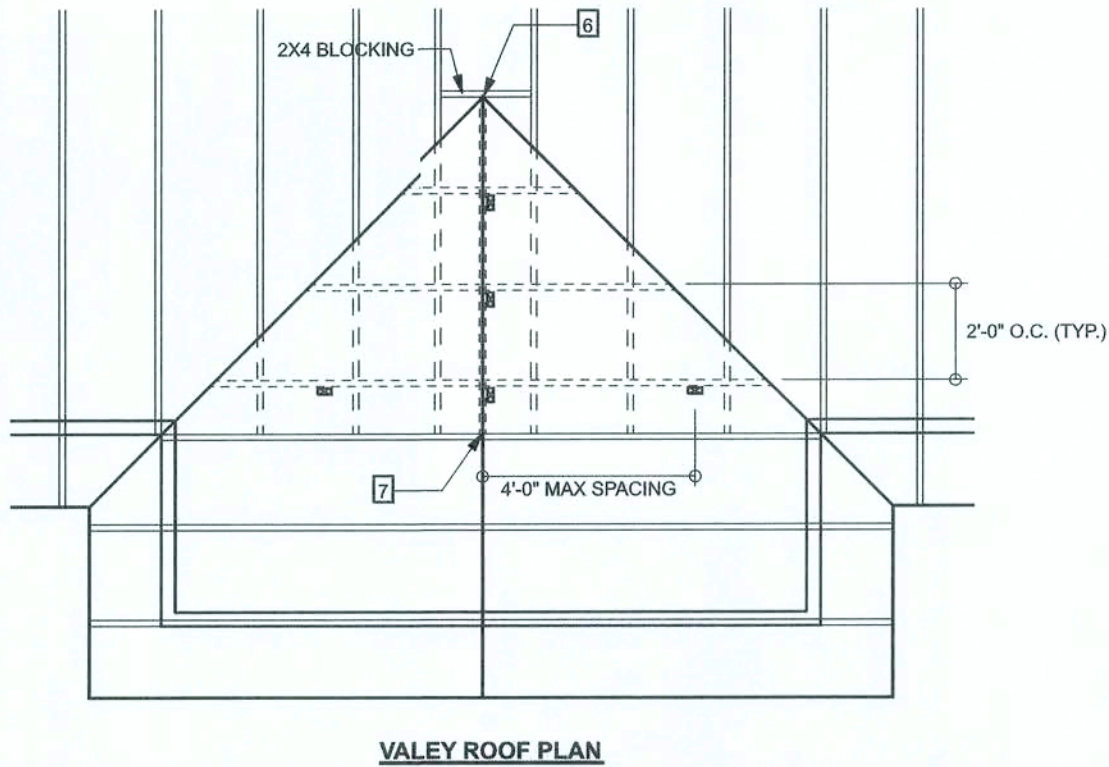
JOB NUMBER:  
191183

**S-2**  
OF 3 SHEETS



# LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



## VALLEY ROOF PLAN MEMBER LEGEND

- TRUSS
- - - TRUSS UNDER VALLEY FRAMING
- · · · · VALLEY RAFTER OR RIDGE
- CRIPPLE

CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP. SHINGLE ROOF) MAX

## CONNECTION REQUIREMENT NOTES

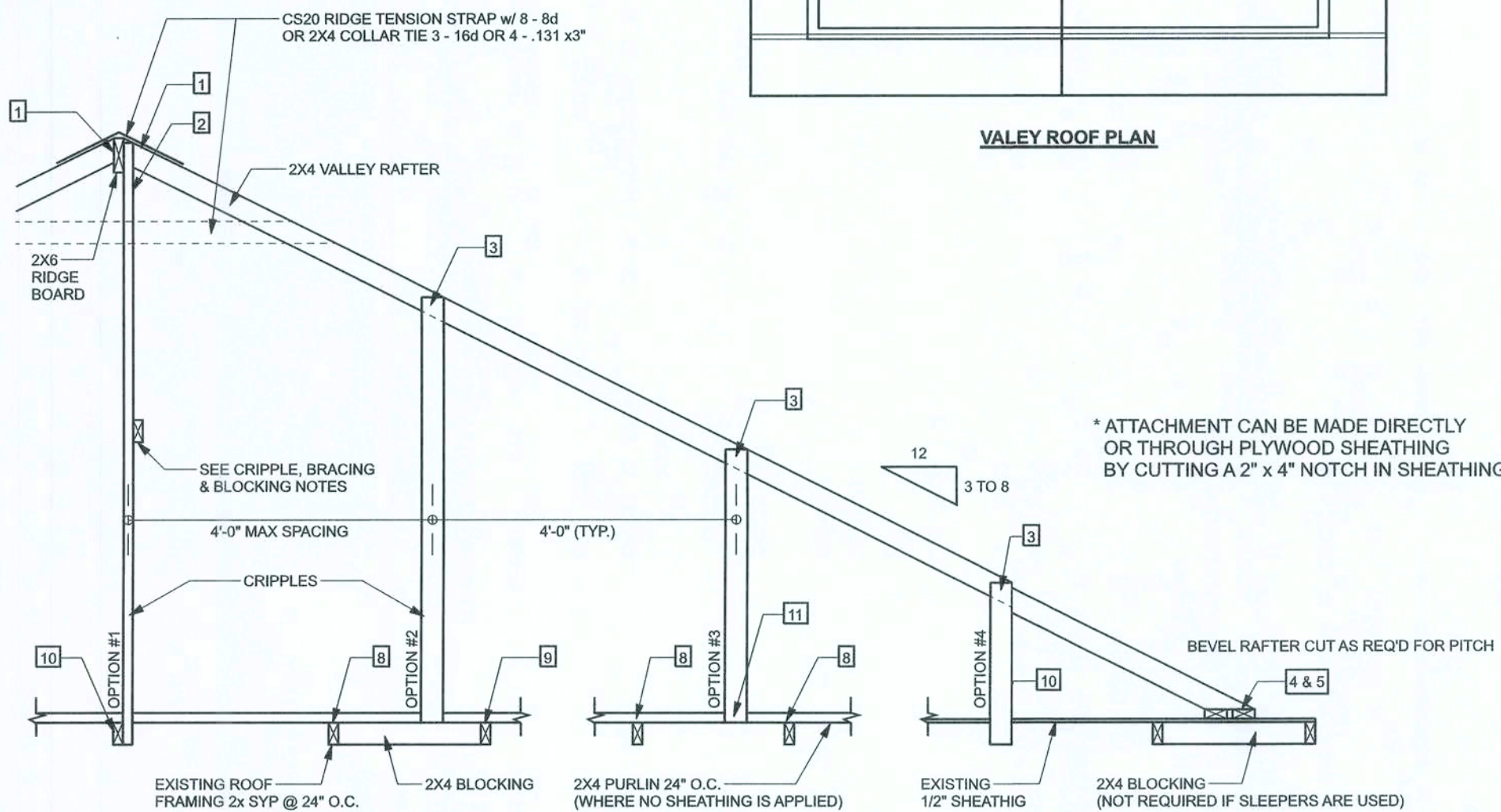
1 2X4 RAFTERS TO RIDGE	3-16d OR 6-131 x 3" TOE NAILS
2 CRIPPLE TO RIDGE	3-16d OR 6-131 x 3" FACE NAILS
3 CRIPPLE TO RAFTERS	3-16d OR 6-131 x 3" FACE NAILS
4 RAFTER TO SLEEPER OR BLOCKING	6-16d OR 12-131 x 3" TOE NAILS
5 SLEEPER TO TRUSS	4-16d OR 8-131 x 3" FACE NAILS EACH TRUSS
6 RIDGE BOARD TO ROOF BLOCK	3-16d OR 6-131 x 3" TOE NAILS
7 RIDGE BOARD TO TRUSS	3-16d OR 6-131 x 3" TOE NAILS
8 PURLIN TO TRUSS (TYP.)	3-16d OR 6-131 x 3" NAILS
9 PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4-16d OR 8-131 x 3" NAILS
10 TRUSS TO BLOCKING	3-16d OR 6-131 x 3" END NAILS
11 CRIPPLE TO TRUSS	3-16d OR 6-131 x 3" FACE NAILS
12 CRIPPLE TO PURLIN	3-16d OR 6-131 x 3" FACE NAILS

## GENERAL NOTES

- MAXIMUM RAFTER SPANS: 6'-0" FOR 2X4, 9'-0" FOR 2X6 SPF #2 OR SYP #2.
- MAXIMUM ROOF AREA PER SUPPORT: 1682 IN ZONES 2 & 3, 2482 IN ZONE 1. (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 1682 OR 2'-0" X 8'-0" SPAN = 1682)
- PURLINS REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED.
- PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM.
- IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF 6", AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 8-8d COMMON WIRE NAILS.
- THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
  - SPANS (DISTANCES BETWEEN HEELS) 40'-0" OR LESS
  - MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS
  - MAXIMUM WIND SPEED: 130 MPH
  - MAXIMUM MEAN ROOF HEIGHT: 30 FEET
  - MAXIMUM TOTAL LOADING: 40 psf
  - MEETS FBC 2014/ASCE 7-10 WIND REQUIREMENTS
  - EXPOSURE CATEGORY "C", I = 1.0, K2 = 1.0
  - ENCLOSED BUILDING

## CRIPPLE, BRACING, & BLOCKING NOTES

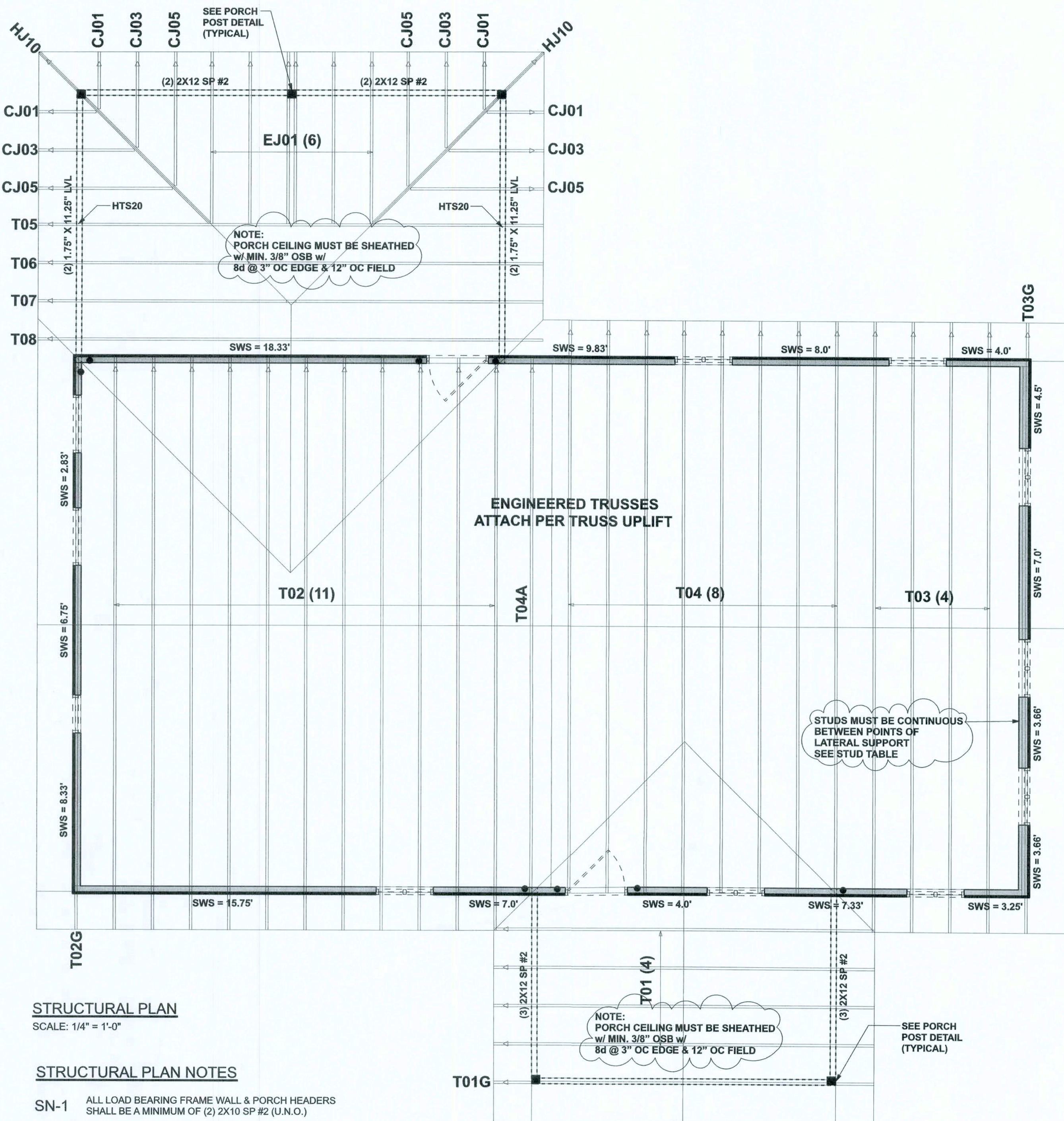
- 2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG NAILED w/ 2-10d NAILS OR 2X4 "T" OR SCAB BRACE NAIL TO FLAT EDGE OF CRIPPLE WITH 8d NAILS @ 16" O.C. "T" OR SCAB MUST BE 90% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLB'S OR BOTH FACES w/ "T" OR SCAB. USE STRESS GRADED LUMBER & BOX OR COMMON NAILS.
- NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER, AS LONG AS THE PROPER NUMBER OF NAILS ARE INSTALLED INTO RIDGE BOARD.
- INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED.
- INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES FALL BETWEEN LOWER TRUSS TOP CHORDS AND LATERAL BRACING IS NOT USED.
- APPLY ALL NAILING IN ACCORDANCE TO NDS-1997 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.



SECTION CUT PARALLEL TO VALLEY RAFTER

## ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.



## STRUCTURAL PLAN

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

## STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SP #2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-4 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-5 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCS1-03, BCS1-01, BCS1-02, & BCS1-03. BCS1-01, BCS1-02, & BCS1-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

## HEADER LEGEND

- (2) 2X10X0'-1J 1K — HEADER/BEAM CALL-OUT (U.N.O.)
- ↑ NUMBER OF KING STUDS (FULL LENGTH)
- ↑ NUMBER OF JACK STUDS (UNDER HEADER)
- ↑ SPAN OF HEADER
- ↑ SIZE OF HEADER MATERIAL
- ↑ NUMBER OF PLIES IN HEADER

## THREADED ROD LEGEND

- ⊙ INDICATES LOCATION OF: 3/8" A307 ALL THREADED ROD

## ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	11019 LBF	18597 LBF
REQUIRED	9707 LBF	8927 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #2145911

John Norris Construction Inc.

Connie Ratliff Res.

PROJECT ADDRESS:  
4600 S.W. 11th Ave  
Lake City, FL 32055

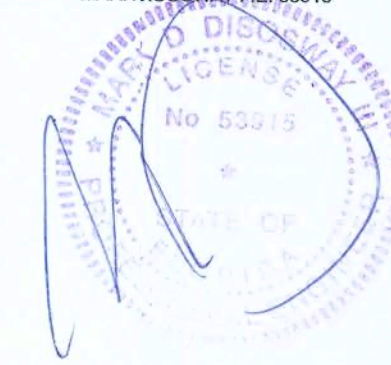
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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 3rd Edition Florida Building Code Residential (2017) to the best of my knowledge.

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

MARK DISOWAY P.E. 53915



Wednesday, November 13, 2019

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Lake City, Florida 32025  
316.754.5419  
disowaydesign@gmail.com

JOE NUMBER:  
191183

S-3

CF 3 SHEETS