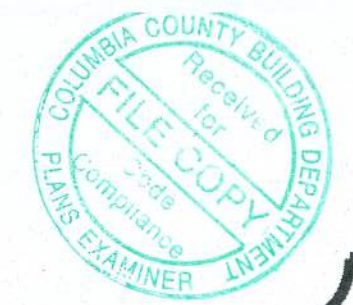


**\* FLOOR PLAN \***  
SCALE : 1/4" = 1'-0"

A/C LIVING AREA	=	2436 S.F.
ENTRY	=	41 S.F.
COVERED BACK PORCH	=	284 S.F.
2 CAR GARAGE/STORAGE AREA	=	739 S.F.
<b>TOTAL AREA UNDER ROOF</b>	<b>=</b>	<b>3500 S.F.</b>

- IMPORTANT NOTES:**
1. IT IS THE BUILDERS RESPONSIBILITY TO VERIFY ALL GEOMETRY AND DIMENSIONS BEFORE ORDERING ANY MATERIALS OR BEGINNING CONSTRUCTION.
  2. THESE PLANS ARE FOR LAYOUT AND DESIGN PURPOSES ONLY ALL STRUCTURAL NOTES AND DETAILS TO BE PROVIDED BY AN ENGINEER.
  3. ALL EXTERIOR WALLS ARE 2X6 FRAME.
  4. ALL INTERIOR DOORS 6'-8".



**RESIDENCE**  
for  
**CONSTANCE**  
**BUCHANAN**

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FLORIDA

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Email: teenaruffo@gmail.com

PRINTED DATE:  
Tuesday, December 1, 2020

DRAWN BY: Teena M. Ruffo  
CHECKED BY:

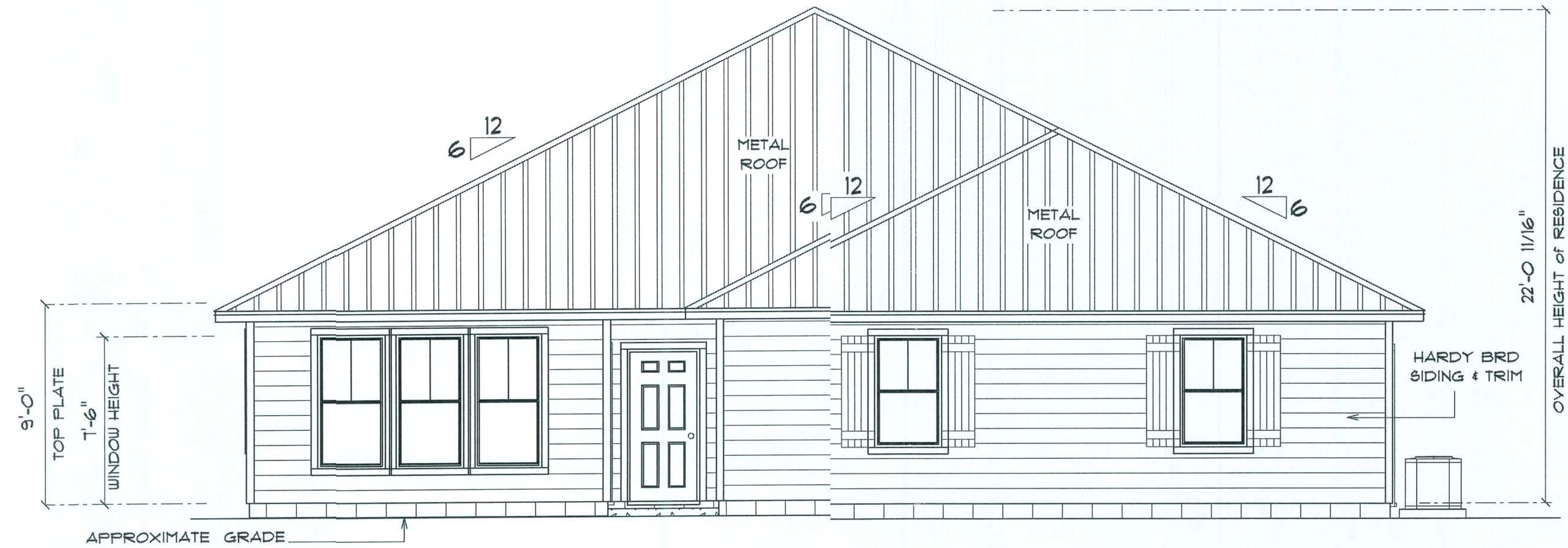
BUILDING CONTRACTOR

FINALS DATE:

JOB NUMBER:

DRAWING NUMBER  
**A-3**  
OF 6 SHEETS

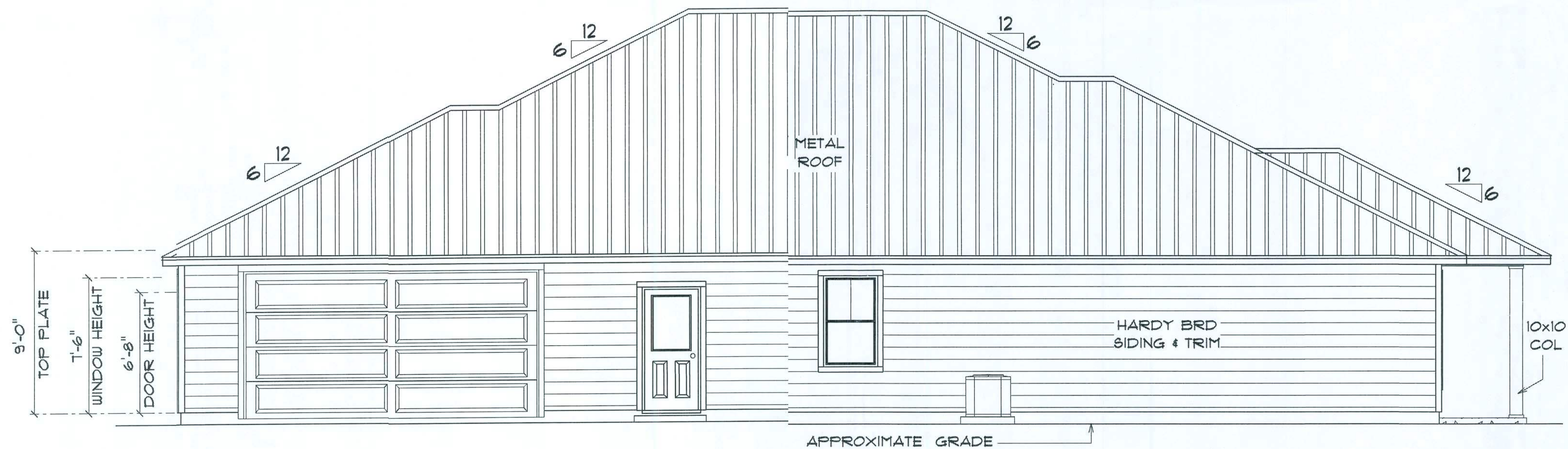




**\* FRONT ELEVATION \***

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

NOTE :  
ROOF PITCH 6/12  
18" OVERHANG ON ALL EAVES



**\* RIGHT SIDE ELEVATION \***

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

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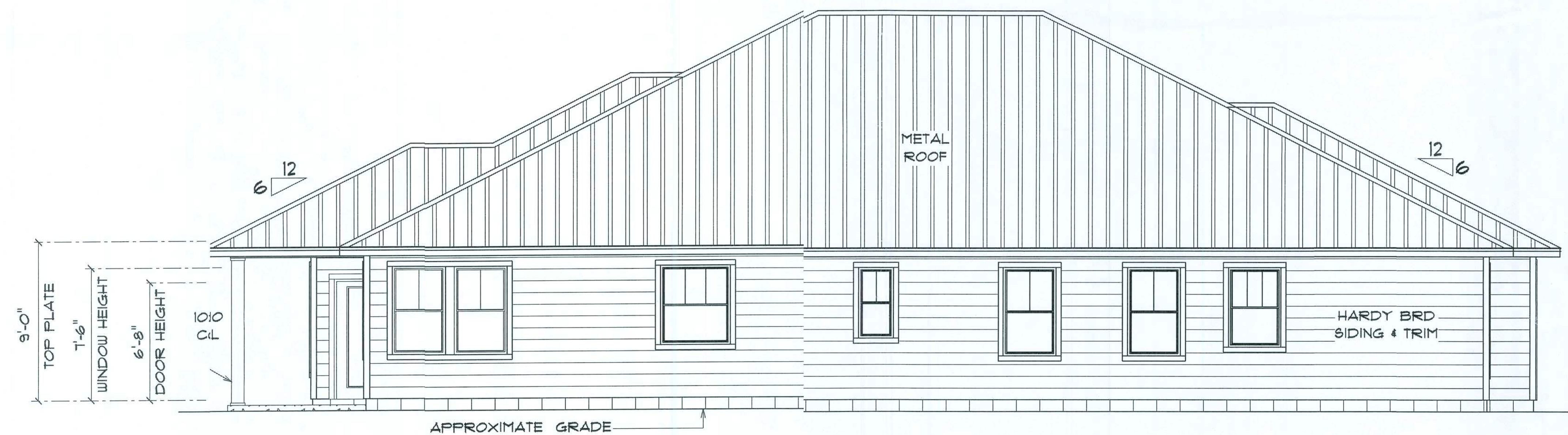
A-4  
OF 6 SHEETS





**\* REAR ELEVATION \***

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



**\* LEFT SIDE ELEVATION \***

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

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OF  
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BUILDING CONTRACTOR

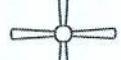

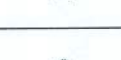











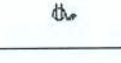


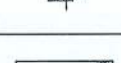






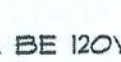

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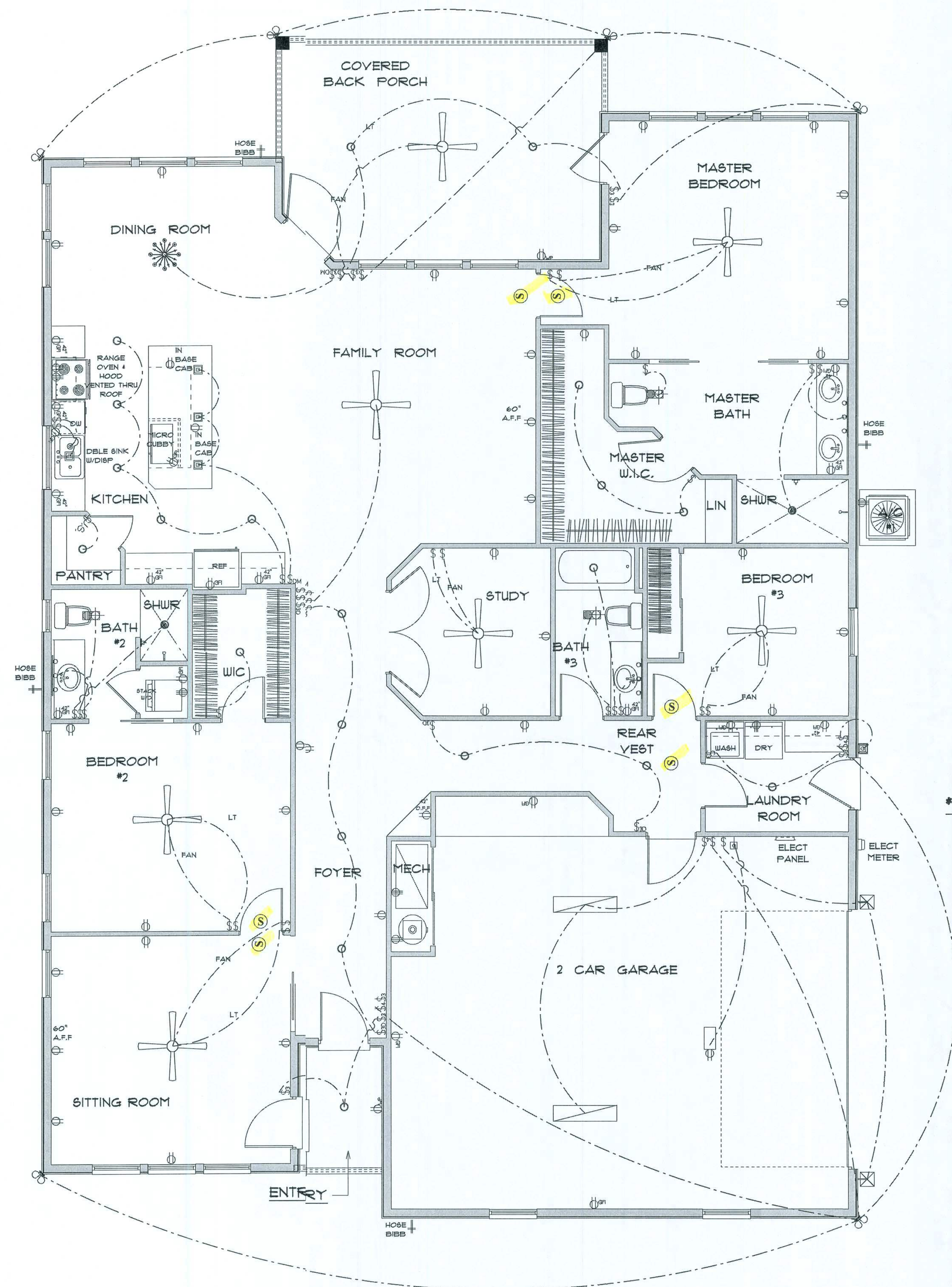
A-5  
OF 6 SHEETS



ELECTRICAL LEGEND		
ELECTRICAL	CONT	SYMBOL
ceiling fan globe OI	7	
ceiling classic	1	
pendant large	4	
pot light	2	
exterior craftsman light fixture	2	
spotlight double	6	
Smoke Detector	6	
wall mount 2	1	
electrical meter	1	
electrical panel	1	
Garbage disposal	1	
automatic garage dr opener	1	
dimmer switch	2	
dimmer switch 3-way	4	
garage dr opener	1	
jamb switch	1	
outlet	36	
outlet 220v	6	
outlet gfi	18	
outlet wp	2	
switch	36	
switch 3 way	9	
switch 4 way	3	
vent light combo	3	
fluorescent light 1 x 4	2	
vanity bar light O2	3	

#### ELECTRICAL PLAN NOTES

- E-1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.
- E-2 ALL INSTALLATIONS SHALL BE PER NATIONAL ELECTRIC CODE.
- E-3 ALL SMOKE /CARBON MONOXIDE DETECTORS SHALL BE 120V W/BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS AS PER CODE.
- E-4 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTION AND IN ACCORDANCE WITH APPLICABLE SECTIONS OF NATIONAL ELECTRIC CODE LATEST EDITION.
- E-5 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-6 ENTRY OF SERVICE UNDERGROUND OR OVERHEAD IS TO BE DETERMINED BY THE POWER COMPANY.
- E-7 ALL BEDROOM RECEPTALS ARE TO BE AFCI (ARC FAULT CIRCUIT INTERRUPT).
- E-8 75% OF ALL PERMANENT LIGHTS TO BE ENERGY EFFICIENT.



#### \* ELECTRICAL PLAN \*

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

RESIDENCE  
FOR  
CONSTANCE  
BUCHANAN

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DRAWN BY: CHECKED BY:  
Teresa M. Ruffo

BUILDING CONTRACTOR

FINALS DATE:

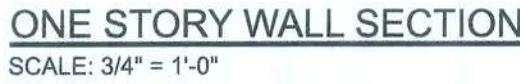
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DRAWING NUMBER

A-6

OF 6 SHEETS



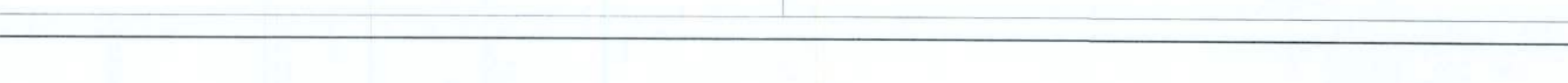


Note:  
For sheathing located a minimum of 4 feet from the penetrator edge of the roof, including 4 feet on each side of ridges and ds, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field.  
Note:  
This table specifies the code minimum thickness of roof sheathing.  
The thickness of the sheathing may need to be increased based in the type of roofing material being used. See manufacturer Florio product approval.



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS:

GRADE & SPECIES TABLE		
		Fb E
2x8	SP #2	925 1.4
2x10	SP #2	800 1.4
2x12	SP #2	750 1.4
GLB	24F-V3 SP	2600 1.9
LSL	TIMBERSTRAND	1700 1.7
LVL	MICROLAM	2950 2.0
PSL	PARALAM	2900 2.0



---

**Gibrallr Contracting, LLC**

**Constance Buchanan Res.**

**PROJECT ADDRESS:**  
Lot 11 Westwind Estates  
Lake City, FL

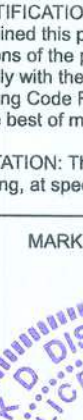
**DIMENSIONS:**  
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**CERTIFICATION** I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 1<sup>st</sup> Edition Florida Building Code Residential (2020) to the best of my knowledge.

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

MARK DISOWAY P.E. 53915



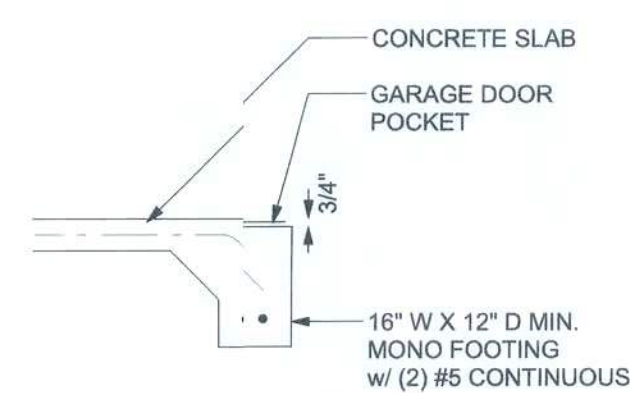
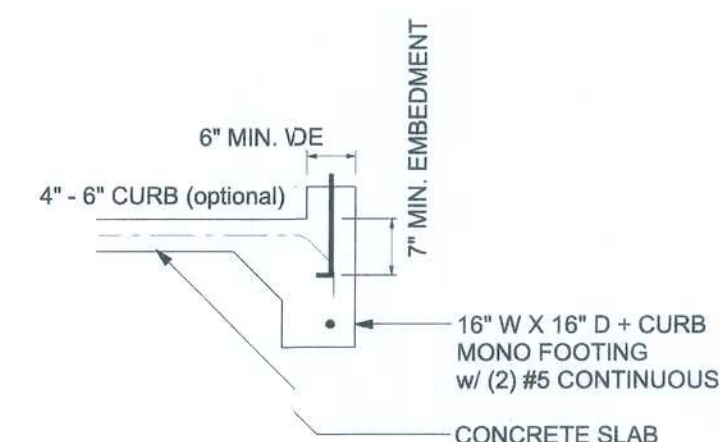
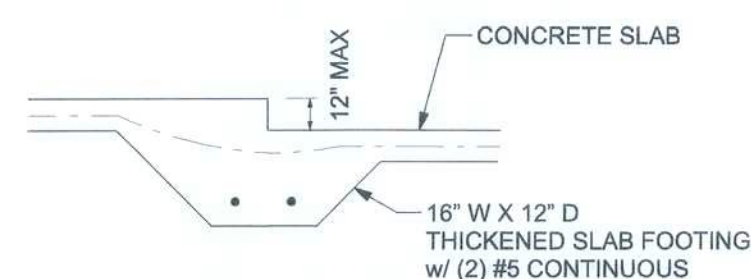
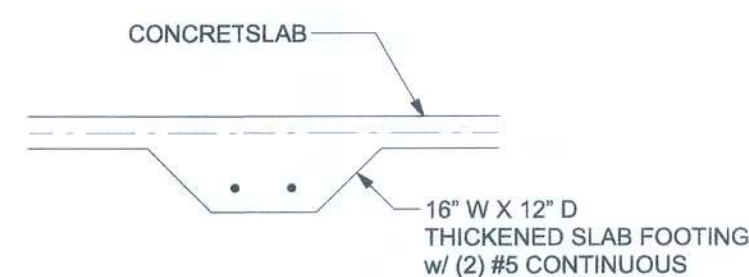
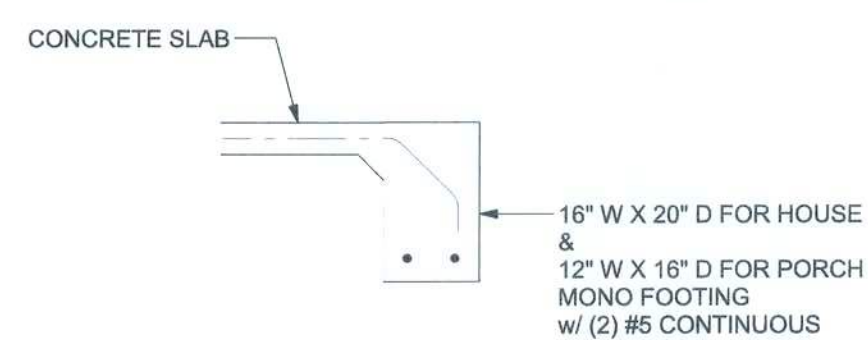
Tuesday, December 15, 2020

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**Lake City, Florida 32025**  
**366.754.5419**  
**disowaydesign@gmail.com**

**JOBNUMBER:**  
**201350**

**S-1**  
OF 3 SHEETS





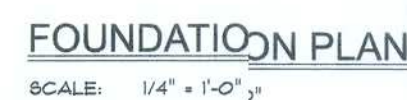
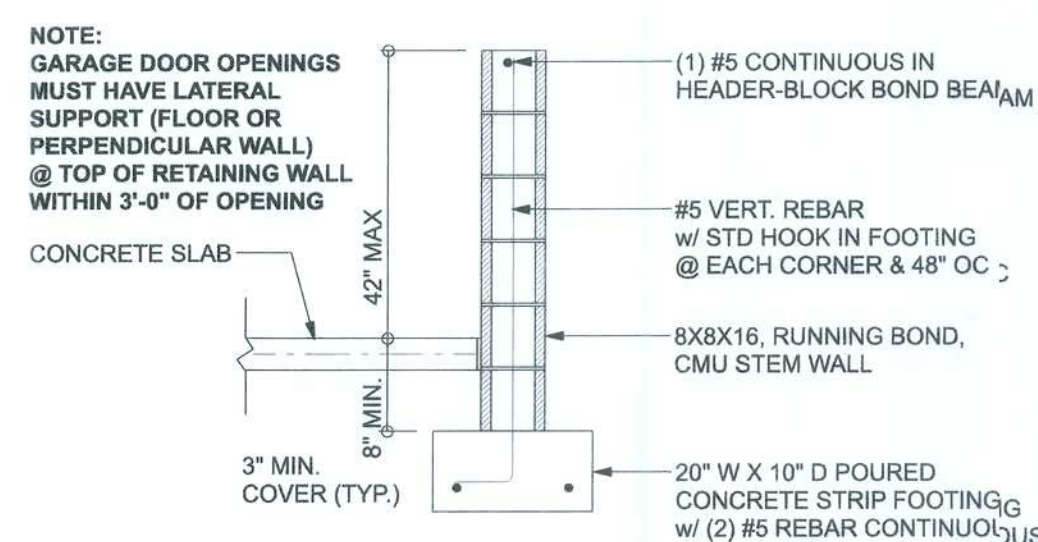
**TALL STEM WALL TABLE:**

The table assumes 40 ksi for #5 rebar and 60 ksi for #7 and #8 rebar with 6" hook  $\ell_d$  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" o 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 band over with 1#5 continuous at mid height. For higher walls, per the notes the 12" CMU will be used with reinforcement as shown in the table below.

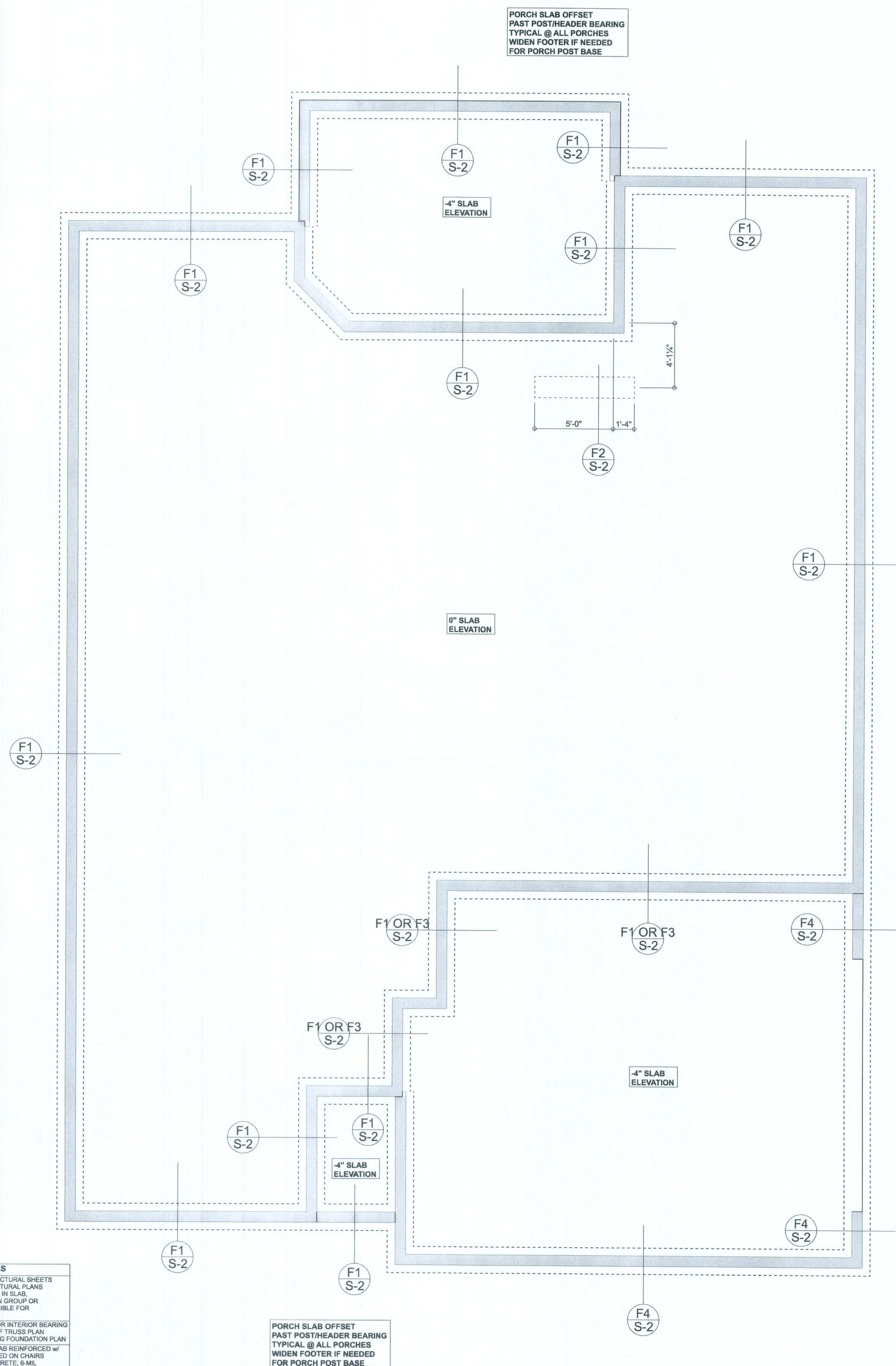
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	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><b>MASONRY NOTE:</b>  <b>MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/MS 602).</b>  <b>THE CONTRACTOR AND MASON SHALL BE RESPONSIBLE BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS.</b>  <b>ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.</b></p>		
	<p><b>ACH3030-1.02 Section</b></p>	<p><b>Specific Requirements</b></p>
1.4A	Compressive strength	8" block bearing walls $f_m = 1500$ psi
2.1	Mortar	ASTM C-270, Type N, LINO
2.2	CMU	ASTM C-90, admittance require approval
2.3	CMU standard	ASTM C-90-02, Normal Weight, Hollow, minimum flange, 8"x8"x16" running bond and 12"x12"x16" 19"x16" column block
2.3	Gray brick standard	ASTM C-216-02, Grade SW, Type FBS, R 290 7 7/16" x 7 1/2" x 3 5/8"
2.4	Reinforcing bars, #3 - #11	ASTM A615, Grade 60, $f_y = 40$ ksi, Lap length 16" for bars, 12" for #8
2.4F	Coating for corrosion protection	Anchor bolts, sheet metal ties completely embedded in mortar or grout; ASTM A255, Class G60, 0.001 in. max. SACS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchor, sheet metal ties not completely embedded in mortar or grout; ASTM A1183, Class B2, 1.50 oz/ft <sup>2</sup> or 345453
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 installed on project drawings

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



<b>FOUNDER NOTES</b>	
<b>FN - 1</b>	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACTLY THE SAME AS DIMENSIONS IN SLAB FOR ACTUAL DESIGN. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS. DISOWSAY DESIGN GROUP OR MEMBER DISOWSAY, PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
<b>FN - 2</b>	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING WALLS BY SURVEYING THE ROOF TRUSS PLAN AND REVISIONS THEREON BEFORE FINALIZING FOUNDATION PLAN.
<b>FN - 3</b>	THE SLAB SHALL BE: 6" CONCRETE SLAB REINFORCED W/ #6X-1/4 DIA. WELDED WIRE FABRIC @ 18" COMPACTED FILL @ 1/2" DEPTH OF CURB OR FIBER MESH REINFORCEMENT, 6-MIL POLY TYPICALLY. ALL JOINTS SHALL BE REINFORCED WITH 6" POLY TAPER. CARRIER W/ 6" LAPS SEALED W/ POLYURETHANE SEALANT. SEE DETAIL FOR COMPLETED JOINT.



Gibraltar Contracting, LLC

Constance Buchanan Res.

**PROJECT ADDRESS:**  
Lot 11 Westwind Estates  
Lake City, FL

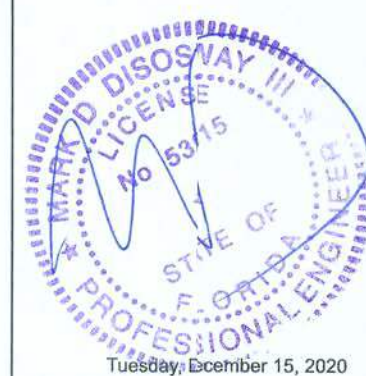
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Stated dimensions upercede scaled  
dimensions. Refer il questions to  
Mark Disosway, P.E for resolution.

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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 7th Edition Florida Building Code Residential (2020)

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

MARK DISDWAY P.E. 53915

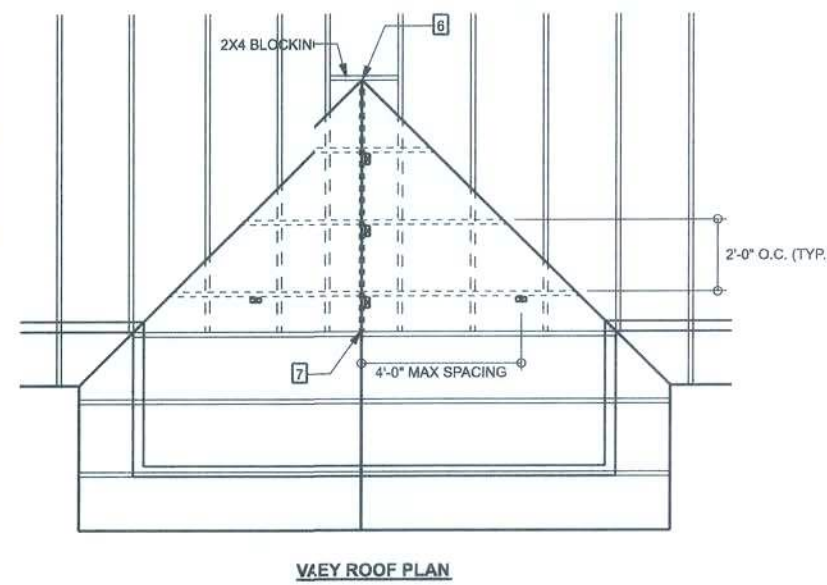


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JOB NUMBER:  
201350

**S-2**  
OF 3 SHEETS





===== TRUSS  
 : : : : TRUSS UNDER VALLEY FRAMING  
 : : : : VALLEY RAFTER OR RIDGE  
 == CRIPPLE  
 CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (T)

CONNECTION REQUIREMENT NOTES		
1	EXTRA RAFTERS TO RIDGE	3 -16d OR 6 - 131 x 3" TIE 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	3 -16d OR 12 - 131 x 3" TIE NAILS
5	SLEEPER TO TRUSS	4 -16d OR 8 - 131 x 3" FACE NAILS EACH TRUSS
6	RISE BOARD TO ROOF BLOCK	3 -16d OR 6 - 131 x 3" TIE NAILS
7	JOIST BOND TO TRUSS	3 -16d OR 6 - 131 x 3" TIE NAILS
8	PURLIN TO TRUSS (TYP)	3 -16d OR 6 - 131 x 3" FACE NAILS
9	PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	3 -16d OR 6 - 131 x 3" TIE 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 TRUSS	3 -16d OR 6 - 131 x 3" FACE NAILS

**MAXIMUM RAFTER SPANS**  
 6'-0" FOR 2x4, 8'-0" FOR 2x6 SYP #2 OR SYP #2.  
**MAXIMUM ROOF AREA PER SUPPORT**  
 1052 IN ZONES 2-3, 2482 IN ZONE 1. (EXAMPLE: 4'-0" O.C. X 4'-0" R. SPAN = 1632 OR 2'-0" O.C. X 8'-0" SPAN = 1632)  
**MAXIMUM OVERLAP SHEATHING**  
 PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM  
 IN CASES THAT THIS IS PRACTICAL. OVERLAP SHEATHING A MINIMUM  
 OF 1'-0" UP TO 1'-6" IN CASES WHERE SHEATHING INTO PURLIN WITH A  
 MINIMUM OF 3'-8" COMMON WERE NAILS  
**THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:**  
 -SPANS (DISTANCES BETWEEN HEADS) 3'-0" OR LESS  
 -MAXIMUM VALLEY WIDTH 4'-0" OR LESS  
 -MAXIMUM WIND SPEED 130 MPH  
 -MAXIMUM MEAN ROOF HEIGHT 30 FEET  
 -MAXIMUM TOTAL LOADING 40 psf  
 -MEETS FBC 2006/2008 7-5-10 WIND REQUIREMENTS  
 -EXPOSURE CATEGORY "C", 1=5, 0, Ket=1.0  
 -ENCLOSED BUILDING

24X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG NAILED W/ 2 - 10d NAILS OR 2X4 "TT" OR SCAB BRACE NAILED TO FLAT EDGE OF CRIPPLE OR TO P.O.C. "TT" OR SCAB BRACE MUST BE 90% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONGS REQUIRE TWO CLB'S OR BOTH FACES W/ "TT" OR SCAB. USE STRESS GRADUATED 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 NUMBER OF CRIPPLES FALL BETWEEN LOWER TRUSS TOP CHORDS AND LATERAL BRACING IS NOT USED.  
- APPLY ALL NAILING IN ACCORDANCE TO NDS-97 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.

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 BC511-03. BC511-01, BC511-02, & BC511-03; BC511-01, BC511-02, & BC511-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

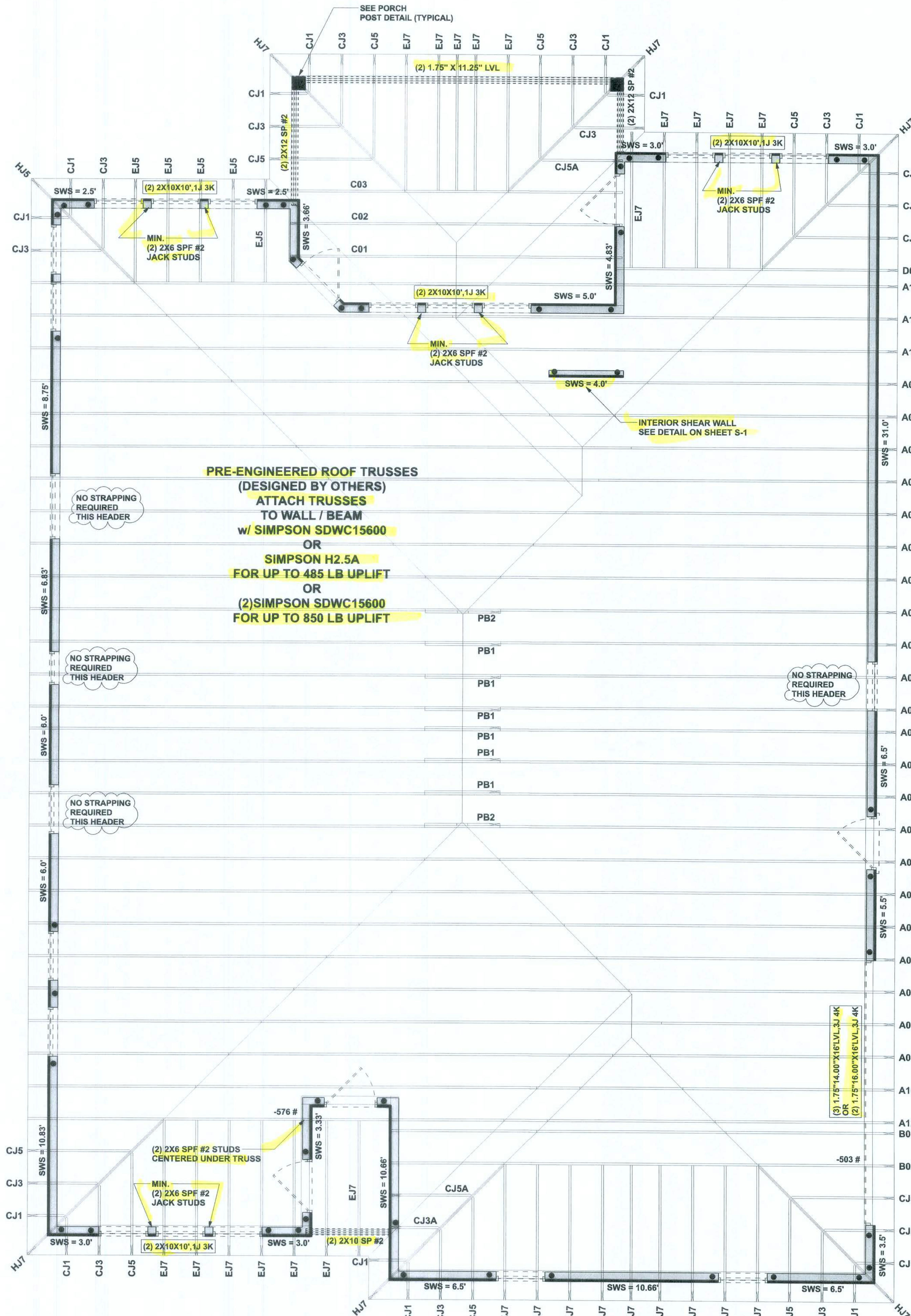
The diagram illustrates the components of a header/beam call-out (U.N.O.) code: **2X10X0'1J1K**. Each part of the code is linked by an arrow to its corresponding description:

- 2**: NUMBER OF KING STUDS (FULL LENGTH)
- X**: NUMBER OF JACK STUDS (UNDER HEADER)
- 10**: SPAN OF HEADER
- X**: SIZE OF HEADER MATERIAL
- 0'**: NUMBER OF PLIES IN HEADER
- 1J**: (Not explicitly defined in the diagram)
- 1K**: (Not explicitly defined in the diagram)

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

ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDINAL
ACTUAL	19864 LBF	25773 LBF
REQUIRED	16578 LBF	10550 LBF

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



CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER. W.B. HOWLAND TRUSS CO.  
JOB #20-4954

Gibraltar Contracting, LLC

Constance Buchanan Res.

**PROJECT ADDRESS:**  
Lot 11 Westwind Estates  
Lake City, FL

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

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LIMITATION: This sign is valid for one building, at specific location.

MARK DISOWAY P.E. 53915



Tuesday, December 15, 2020

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JOB NUMBER:  
201350

**S-3**  
OF 3 SHEETS