

HOME

LIVING ROOM

EXISTING SLIDING GLASS DOOR

### EXISTING SLIDING GLASS DOOR

2"X 8" SMB 4TH WALL BEAM& POST

INSTALL WINDOWS/ DOORS  
PER MANUFACTURER SPECIFICATIONS

HOME

9' 0"

4" COMPOSITE ROOF

COIL KICKPLATE

2"X 3" 0.0045

3"X 3" 0.0090

(1) 1

(2) 1

2"X 3" 0.0045

3"X 3" 0.0090

FULLVIEW

4

3"X 3" 0.0090

COIL KICKPLATE

RAISED SLAB

10' 4" 6 1/2" 3" 4" 6 1/2" 3" 3" 1" 3"

14' 0"

15' 0"



A circular blue ink stamp. The outer ring contains the text "Columbia County Building Department" at the top and "State of Florida" at the bottom. The center of the stamp contains the text "Plans Reviewed for Code Compliance".

**P. 1 of 3**

1. ENGINEERING MEETS OR EXCEEDS 2023 FLORIDA BUILDING CODE (8th EDITION), RESIDENTIAL, PER SECTION R301 USING ASCE-7-22 120 mph BASIC WIND SPEED (Vult). RISK CATEGORY II,  $V_{asd} = 93$  MPH.

2. EXPOSURE C

INTERNAL PRESSURE COEFFICIENT=  $\pm 0.18$

3. ALL ALUMINUM MEMBERS TO BE 6005 T5 OR BETTER BASED ON AVAILABILITY.

- INSTALL CAT III SUNROOM OVER  
RAISED CONCRETE SLAB.

(1)	54-1/2" X 60"	OX	
(2)	54-1/2" X 60"	XO	TEMP
(3)	50-1/4" X 60"	OX	TEMP
(4)	50-1/4" X 60"	XO	
(5)	50-1/4" X 60"	OX	
(6)	50-1/4" X 60"	XO	
(7)	71-1/2" X 60"	OX	
(8)	71-1/2" X 60"	XO	

**WA** **WHITE**  
**ALUMINUM & WINDOWS**  
*Improving Home & Life For 60 Years!*

**PROJECT FOR:**

MALINDA CLEMONS  
684 SW WHITETAIL CIR  
LAKE CITY, FL 32024

Ryan  
Workman

**April 2, 2024**

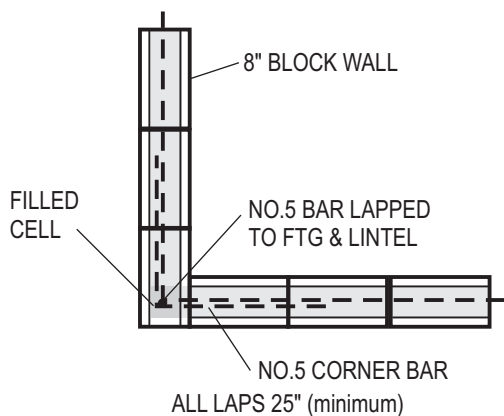
Ryan G. Workman PE # 91950

**CONCRETE NOTES:**

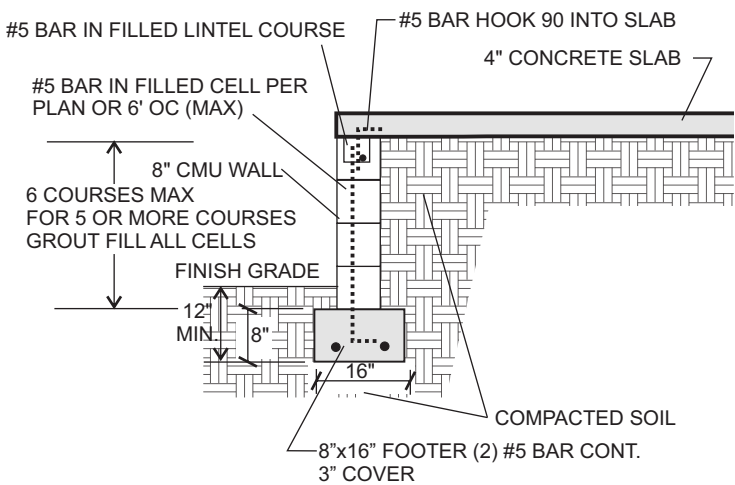
- 1) SLABS AND FOOTINGS SHALL BE MINIMUM 2500 PSI CONCRETE.
- 2) SOIL MUST HAVE A MINIMUM BEARING CAPACITY OF 2000 PSF. ENGINEER OF RECORD SHALL BE CONSULTED WHERE SOIL BEARING PRESSURE DOES NOT MEET OR EXCEED THIS CAPACITY.
- 3) FOOTING REINFORCEMENT TO BE #5 REBAR GRADE 40. REBAR MUST HAVE 3" MINIMUM COVERAGE.

**MASONRY NOTES:**

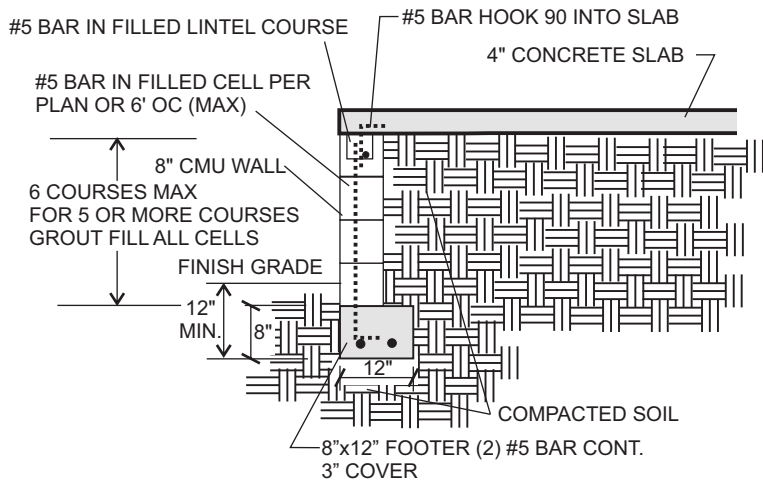
- 1) CONCRETE MASONRY UNITS (CMU) SPECIFIED COMPRESSIVE STRENGTH  $f'_m = 1500$  PSI MIN.
- 2) MORTAR TYPE 'M' OR 'S' COMPRESSIVE STRENGTH: 1900 PSI MIN.
- 3) POURED GROUT SPECIFIED COMPRESSIVE STRENGTH:  $f'_g = 3000$  PSI.
- 4) MASONRY REINFORCEMENT TO BE #5 BAR GRADE 60 WITH 25" MINIMUM SPLICE LAP.



**BLOCK CORNER DETAIL**

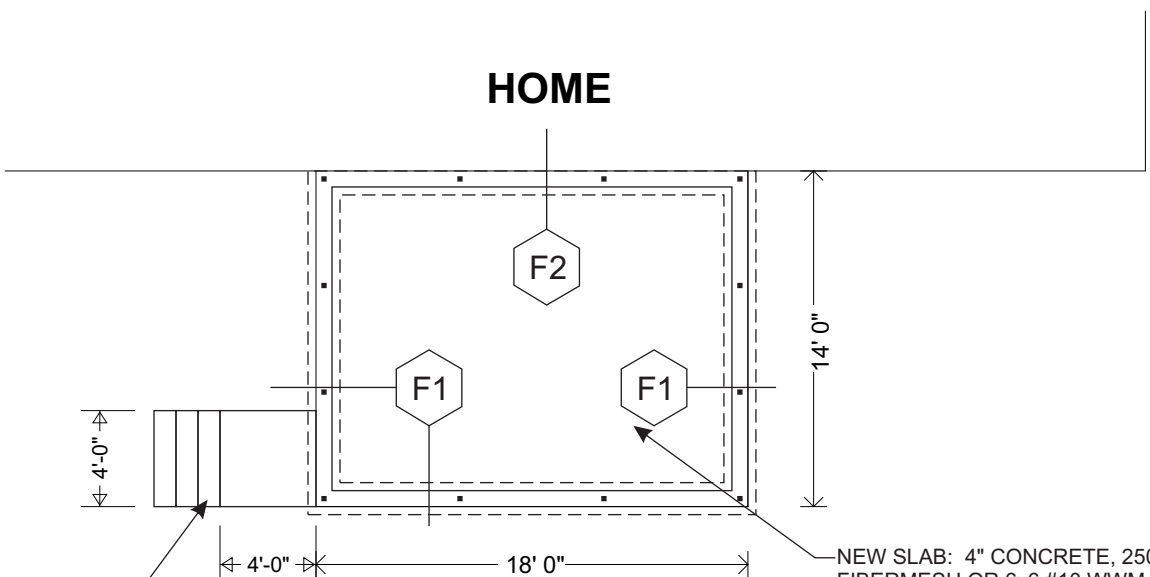


**F1 STEMWALL FOOTING**



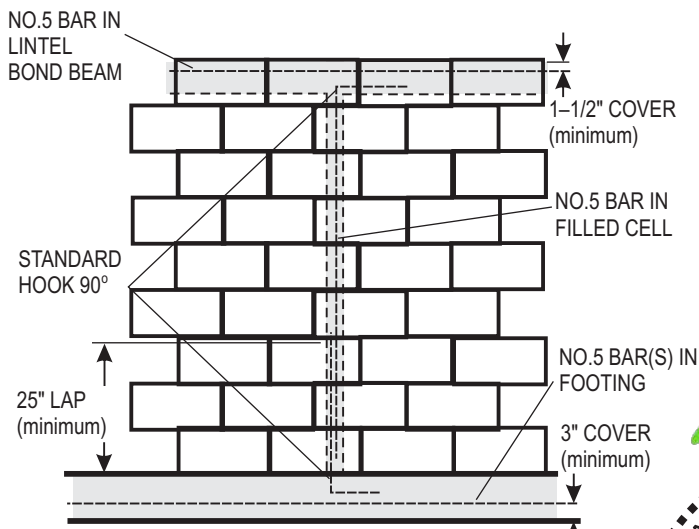
**F2 STEMWALL FOOTING**

FORM AND POUR STEPS (2500 PSI MIN) TO GRADE  
RISERS SHALL NOT EXCEED 7'-1/2"  
TREAD LENGTH SHALL BE 11" OR GREATER



**FOUNDATION PLAN**

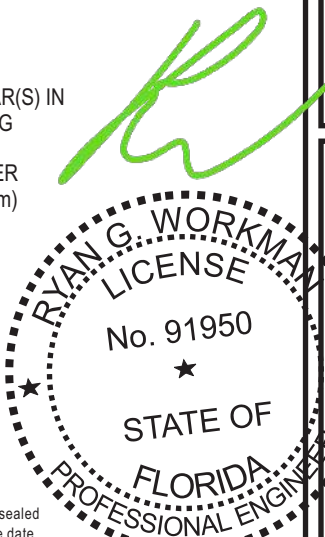
NEW SLAB: 4" CONCRETE, 2500 psi (MIN.) WITH FIBERMESH OR 6x6 #10 WWM OVER CLEAN SOIL. SLOPE CONCRETE 1% MIN. AWAY FROM EXISTING STRUCTURE. VAPOR BARRIER AND TERMITE TREATMENT REQUIRED WITHIN 12" OF EXISTING RESIDENCE.



NOTE:  
IF DOWNROD IS OMITTED IN SLAB, ROD MAY BE INSTALLED BY DRILLING 6" DEEP HOLE IN SLAB & SETTING ROD W/EPOXY.

**DOWNPOUR DETAIL**

This item has been digitally signed and sealed by Ryan G. Workman, PE #91950 on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



**WHITE**  
ALUMINUM & WINDOWS  
Improving Home & Life For 60 Years!

2101 Us Hwy 441  
LEESBURG, FL 34748  
(352) 787-6783

**PROJECT FOR:**

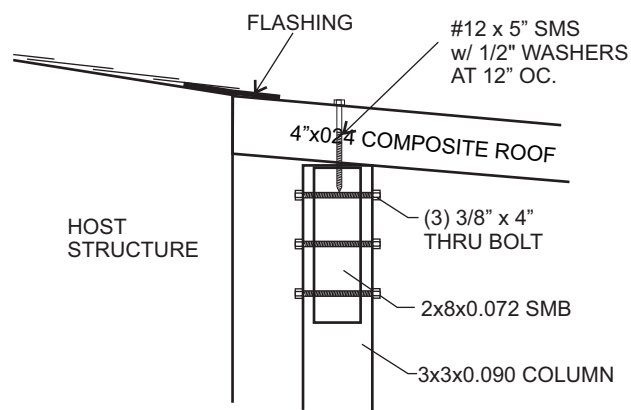
MALINDA CLEMONS  
684 SW WHITETAIL CIR  
LAKE CITY, FL 32024

Lildon Engineering Company  
548-B South Highway 27  
Minneola, Florida 34715  
(352) 394-2590  
lildonengineering@gmail.com  
Cert. of Auth. #2898

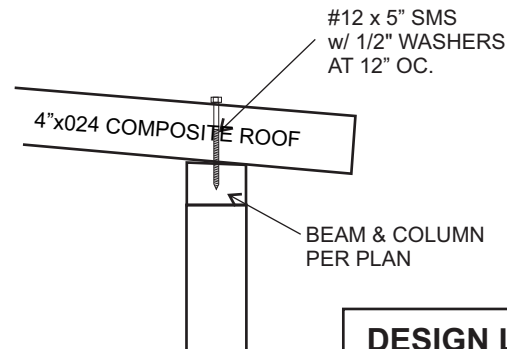
Ryan  
Workman

Digitally signed by  
Ryan Workman  
Date: 2024.04.02  
09:07:35 -04'00'

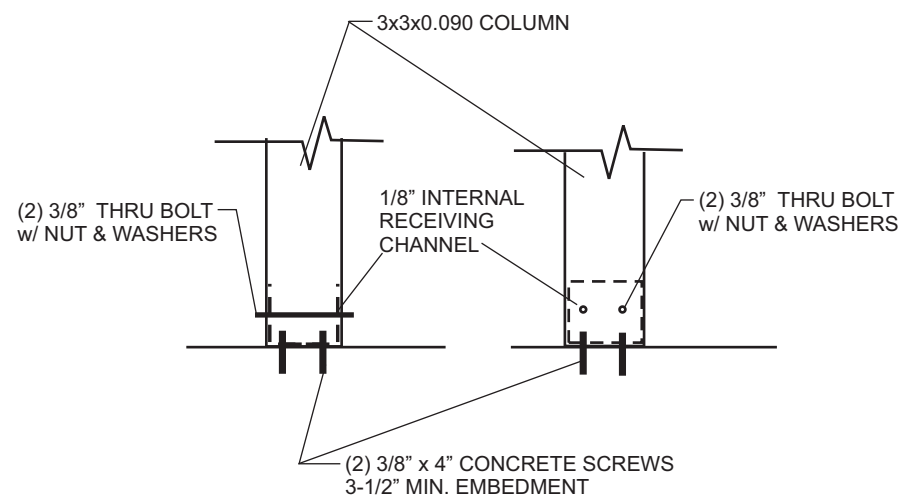
April 2, 2024  
Ryan G. Workman PE # 91950



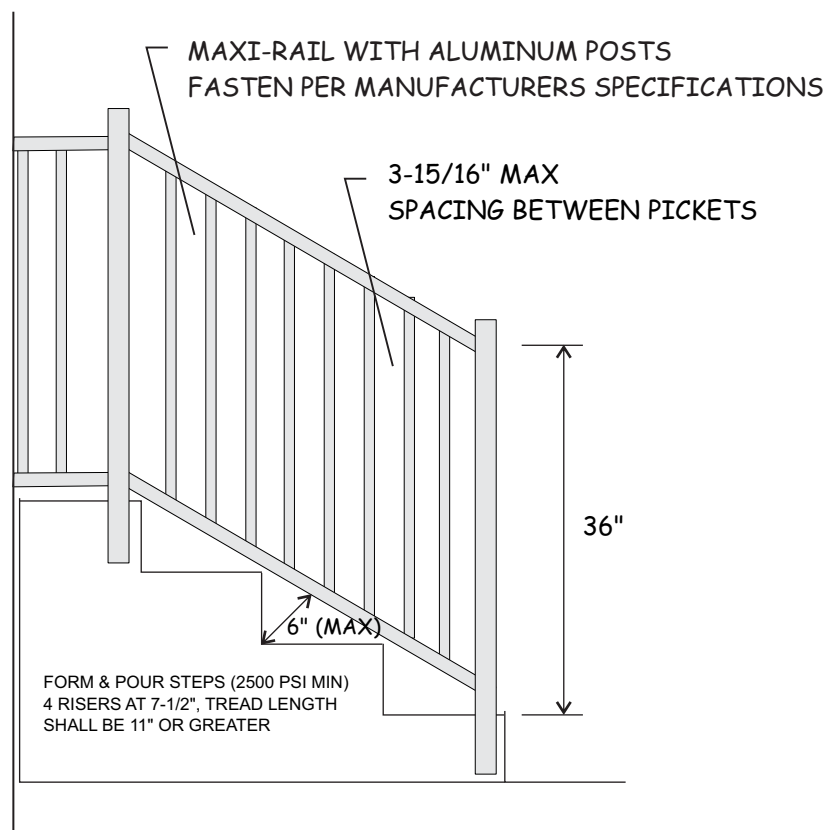
**ROOF SECTION DETAIL**



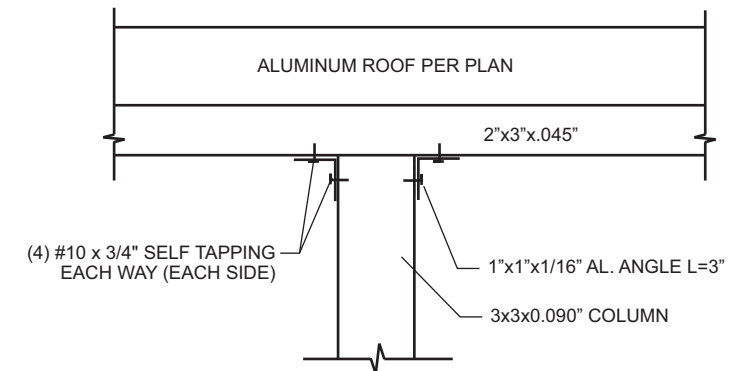
DESIGN LOADS	
GUARDRAILS & HANDRAILS	200 LB
GUARDRAILS IN-FILL COMPONENTS	50 LB



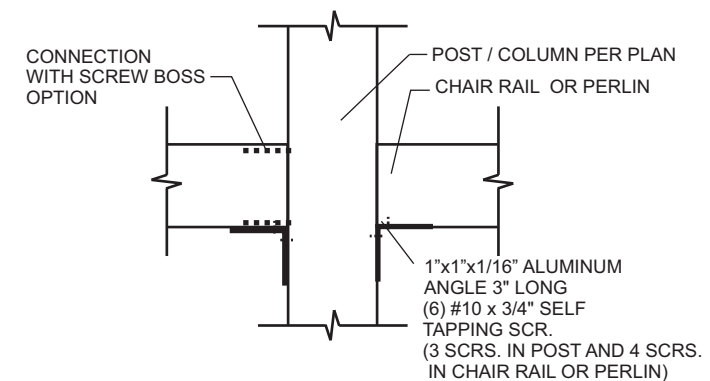
**POST TO CONCRETE DETAIL**



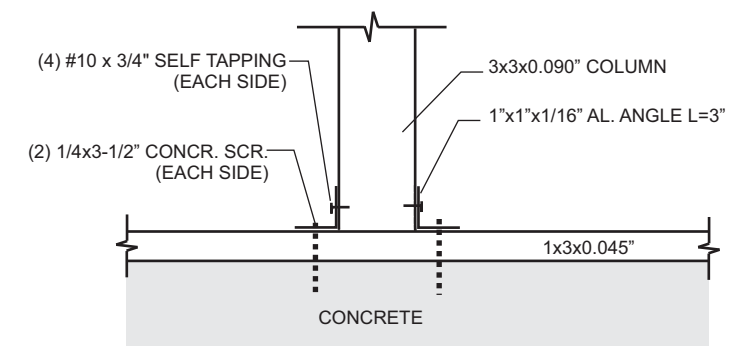
**STAIR RAILING DETAIL**



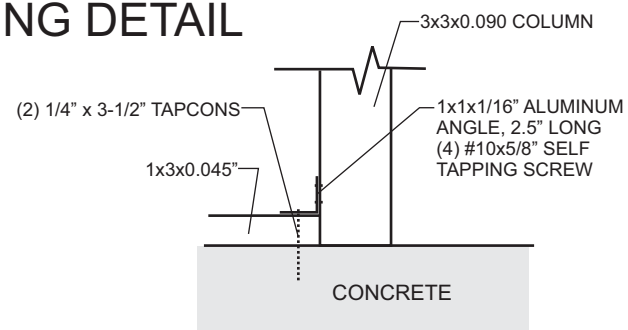
**POST TO HEADER  
FRONT VIEW**



**CROSS CONNECTION DETAIL**



**POST TO CONCRETE  
FRONT VIEW**

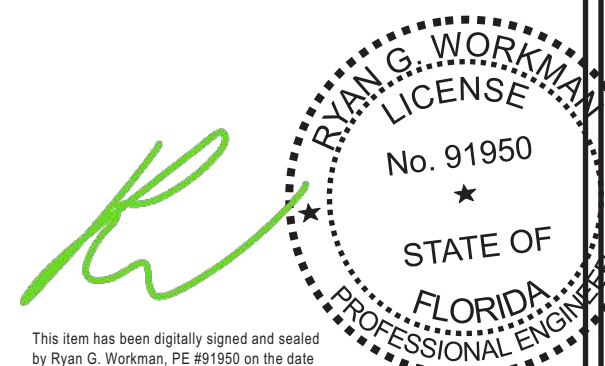


**POST TO CONCRETE  
AT CORNER/DOOR**

1x2x0.044" OR 1x3x0.044"  
FASTEN TO CONCRETE SLAB,  
CMU WALL WITH 1/4x3-1/2"  
CONCR. SCR. 24" OC.  
FASTEN TO FRAME WALL OR  
WOOD POST WITH  
#10x3-1/2" SCR. 24" OC.  
FASTEN TO ALUMINUM POST  
WITH #10x1-1/2" SMS 24" OC.

**ALUMINUM TO FRAME,  
CMU WALL, OR CONCRETE SLAB**

KICK PLATE NOTE:  
26 GA. AL COIL FILL  
FASTEN WITH #8x9/16  
TEK SCREWS AT 12" OC.



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