

HOME

LIVING ROOM

EXISTING SLIDING GLASS DOOR

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

6'-8" 11'-4"

CAT III SUNROOM

Diagram showing two vertical dimensions:

- Top dimension: 14' 0"
- Bottom dimension: 15' 0"

DESIGN PRESSURES FOR OPENINGS		
OPENING MARK 	MAX + PRESS. PSF	MAX - PRESS. PSF
1	16.4	-21.2
2	17.2	-23.0
3	16.1	-20.6
4	16.5	-21.5

INSTALL WINDOWS/ DOORS
PER MANUFACTURER SPECIFICATIONS

ENGINEERING NOTES:

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= ± 0.18
3. ALL ALUMINUM MEMBERS TO BE 6005 T5 OR BETTER BASED ON AVAILABILITY.

SCOPE OF WORK

- INSTALL CAT III SUNROOM OVER
RAISED CONCRETE SLAB.

SIMONTON SLIDING WINDOWS
VINYL FRAME WINDOWS
LOW E 366 WHITE FRAME

- | | | |
|-----|------------------|------|
| (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 | |

**CUSTOM WINDOWS PRIME DOOR
FULLVIEW WHITE FRAMEH/R
36"X 80" LOW E 366**

HOME

4" COMPOSITE ROOF

COIL KICKPLATE

RAISED SLAB

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

4" COMPOSITE ROOF

OIL KICKPLATE

RAISED SLAB

~~3"1' 2 1/4"~~~~3"1' 2 1/4"~~~~3"1' 2 1/4"~~~~3"1' 2 1/4"~~~~3"~~

20' 0"

4" COMPOSITE ROOF

COIL KICKPLATE

RAISED SLAB

~~3' 5' 11 1/2"~~ ~~3' 5' 11 1/2"~~ ~~10'~~

HOME

A circular professional engineer seal for Ryan G. Workman. The outer ring contains the text "RYAN G. WORKMAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "LICENSE" at the top, "No. 91950" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. The seal is stamped in black ink on a white background.

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
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P. 1 of 3

PROJECT FOR:

MALINDA CLEMONS
684 SW WHITETAIL CIR
LAKE CITY, FL 32024

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

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

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

Digitally signed by
Ryan Workman
Date: 2024.04.02
09:07:08 -04'00'

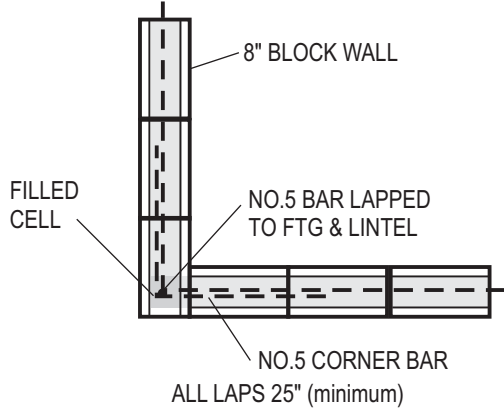
April 2, 2024
Ryan G. Workman PE # 91950

CONCRETE NOTES:

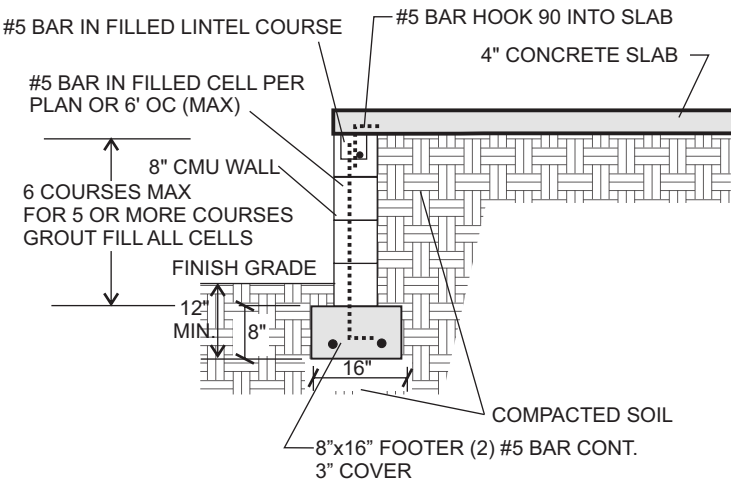
- 1) SLABS AND FOOTINGS SHALL BE MINIMUM 2500 PSI CONCRETE.
- 2) SOIL MUST HAVE A MINIMUM BEARING CAPACITY OF 2000 PSF. ENGINEER OF RECORD SHALL BE CONSULTED WHERE SOIL BEARING PRESSURE DOES NOT MEET OR EXCEED THIS CAPACITY.
- 3) FOOTING REINFORCEMENT TO BE #5 REBAR GRADE 40. REBAR MUST HAVE 3" MINIMUM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

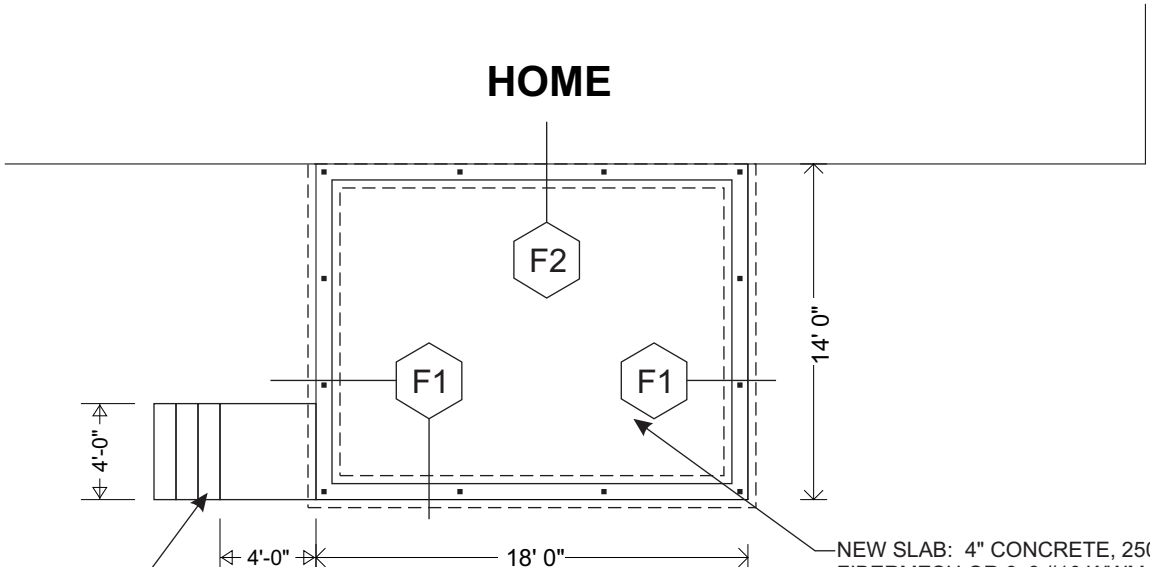


BLOCK CORNER DETAIL



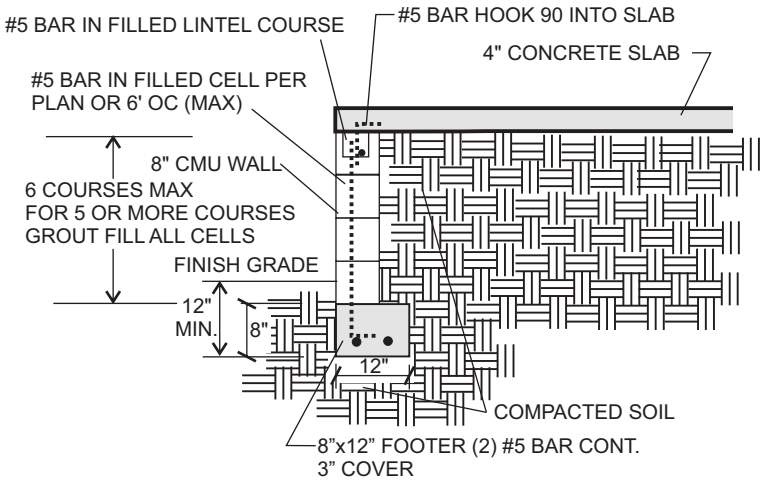
F1 STEMWALL FOOTING

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

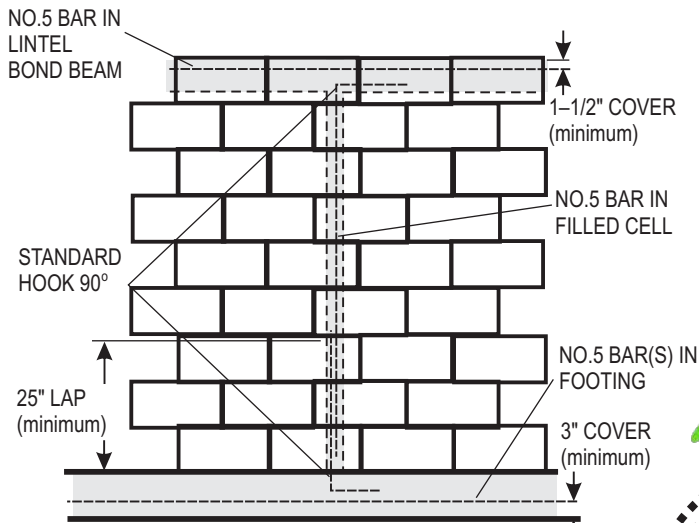


FOUNDATION PLAN

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.



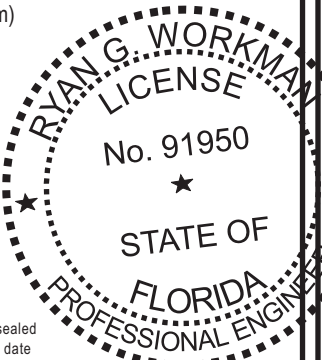
F2 STEMWALL FOOTING



DOWNPOUR DETAIL

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

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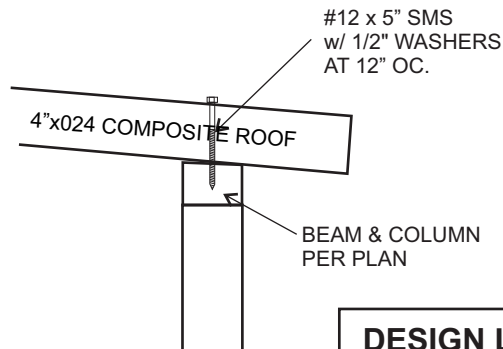
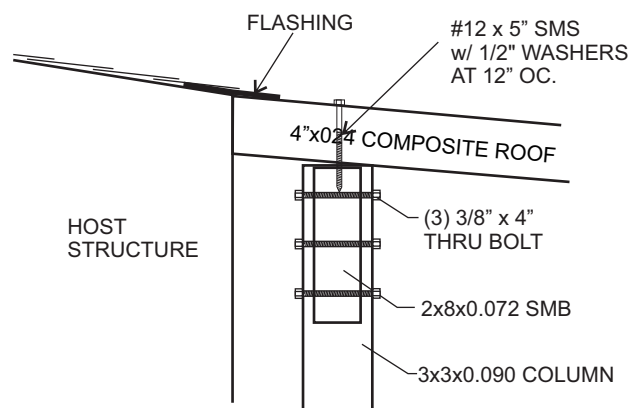
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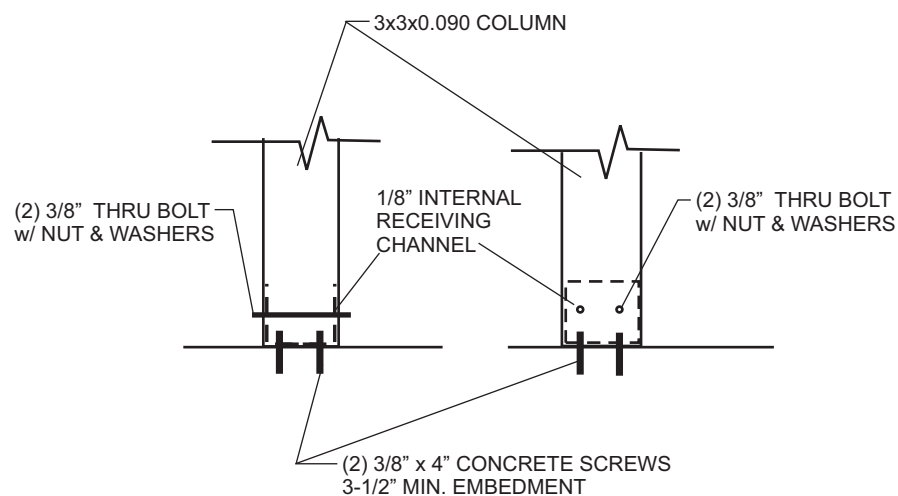
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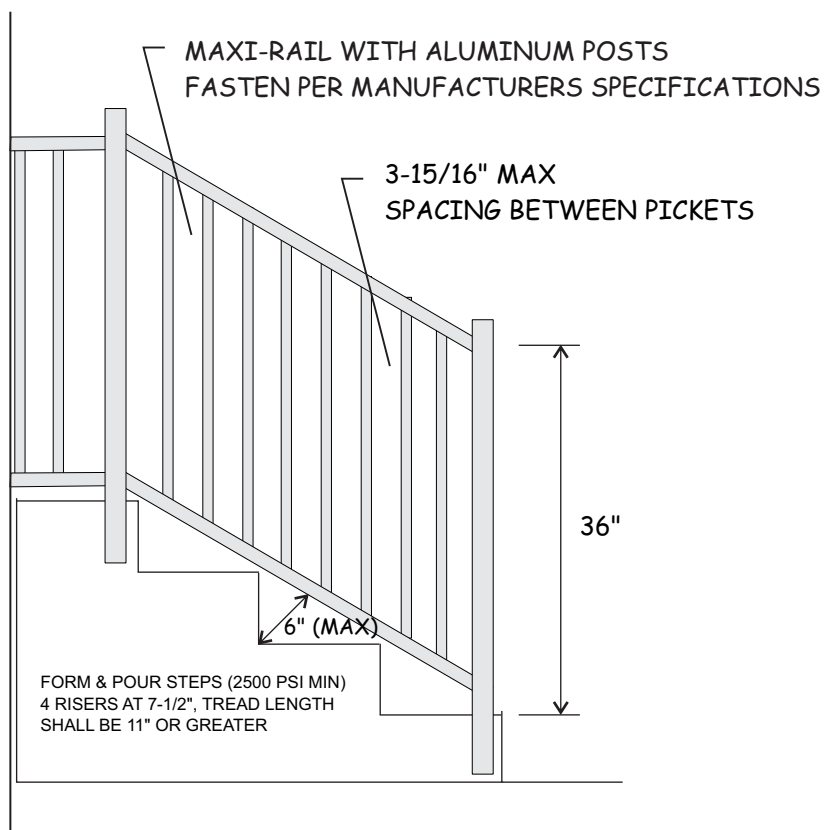
ROOF SECTION DETAIL

DESIGN LOADS

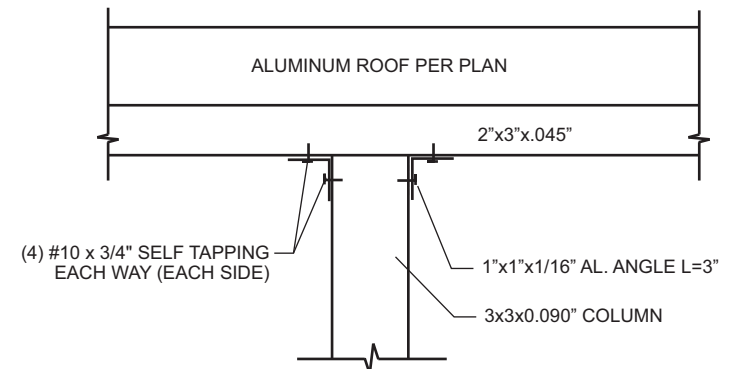
GUARDRAILS & HANDRAILS	200 LB
GUARDRAILS IN-FILL COMPONENTS	50 LB



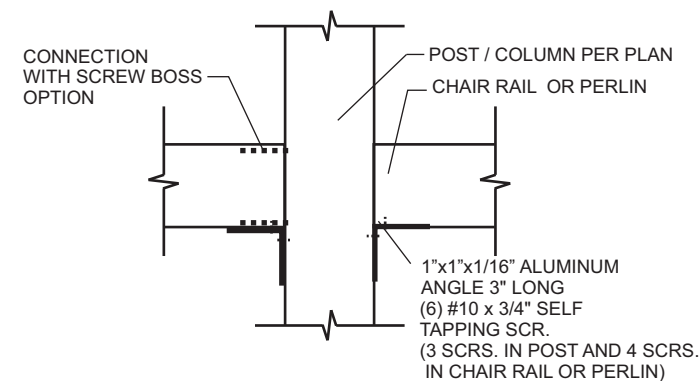
POST TO CONCRETE DETAIL



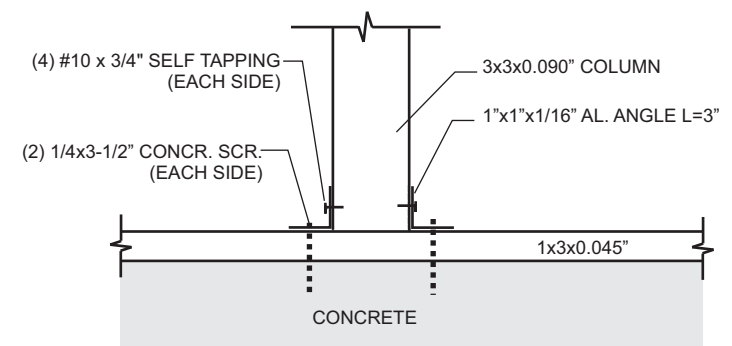
STAIR RAILING DETAIL



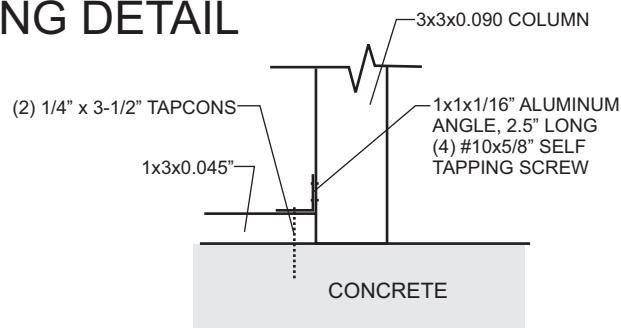
POST TO HEADER FRONT VIEW



CROSS CONNECTION DETAIL



POST TO CONCRETE FRONT VIEW

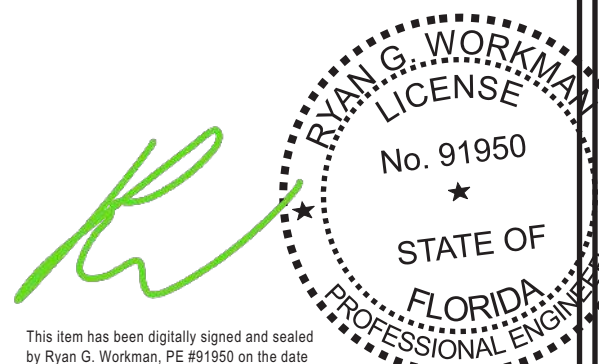


POST TO CONCRETE AT CORNER/DOOR

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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