

ENGINEERING NOTES:

1. ENGINEERING MEETS OR EXCEEDS 2023 FLORIDA BUILDING CODE (8th EDITION), RESIDENTIAL, PER SECTION R301 USING ASCE-7-22 110 mph BASIC WIND SPEED (Vult). RISK CATEGORY I, Vasd= 85 MPH.
2. EXPOSURE C
3. ALL ALUMINUM MEMBERS TO BE 6005 T5 OR BETTER BASED ON AVAILABILITY WITH MINIMUM 0.04 INCH THICKNESS.

NOTE: SCREEN DOOR LOCATION MAY VARY

SCOPE OF WORK:

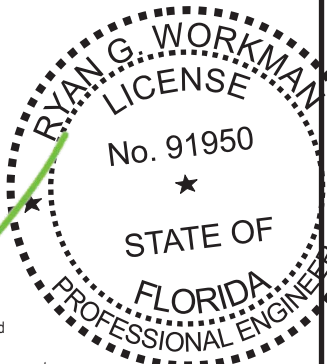
- INSTALL SCREEN CAGE OVER EXISTING CONCRETE SLAB.

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(352) 787-6783

PROJECT FOR:

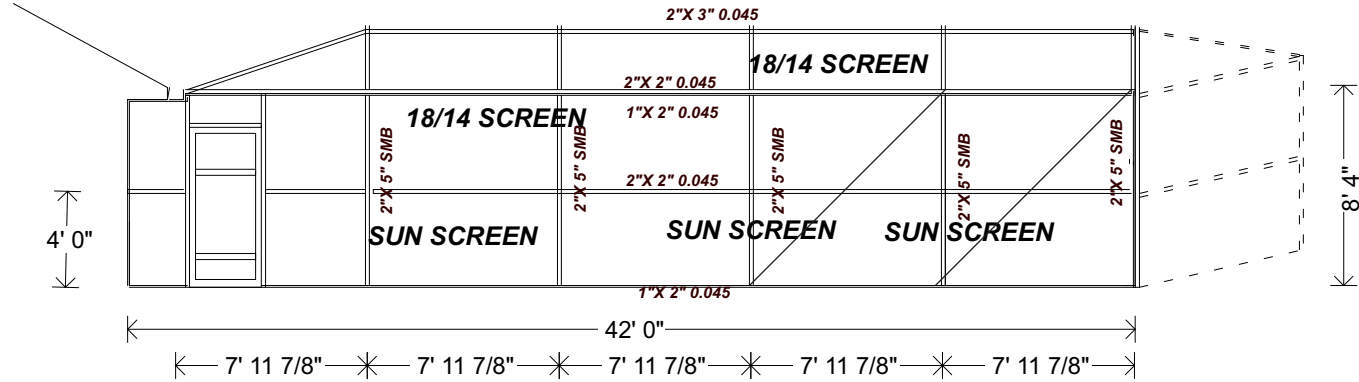
FRED DEGROFF
576 SW BRODERICK DR
LAKE CITY, FL 32025



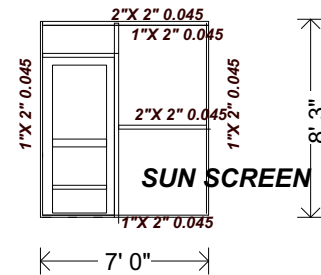
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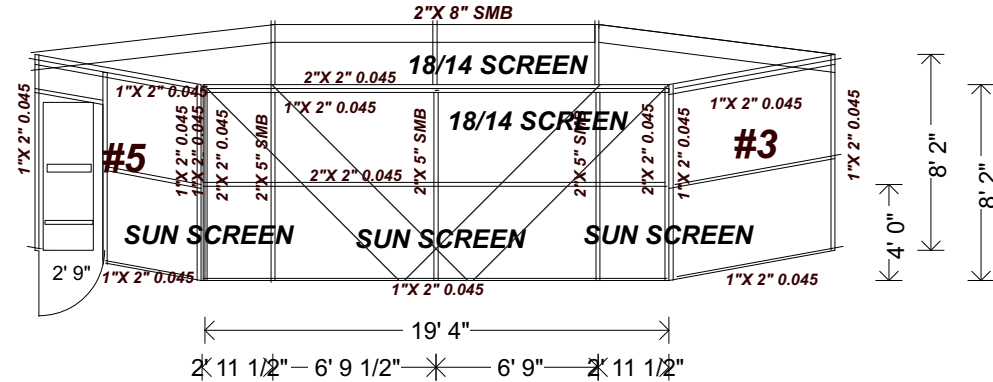
October 8, 2025
Ryan G. Workman PE # 91950



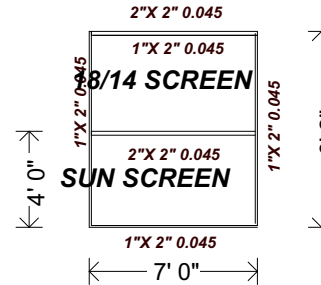
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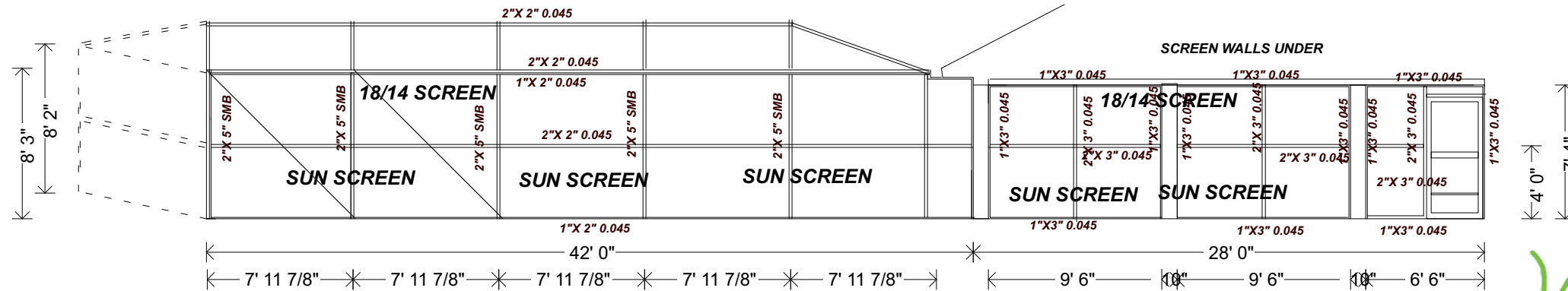
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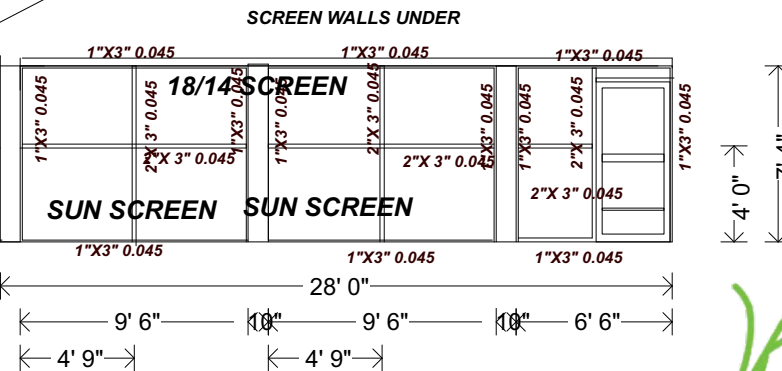
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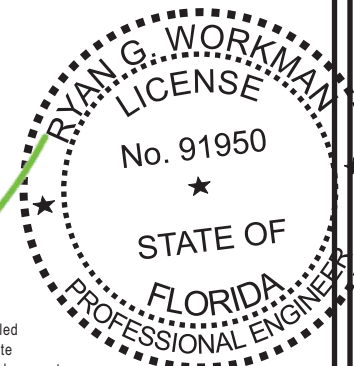


#2



#1

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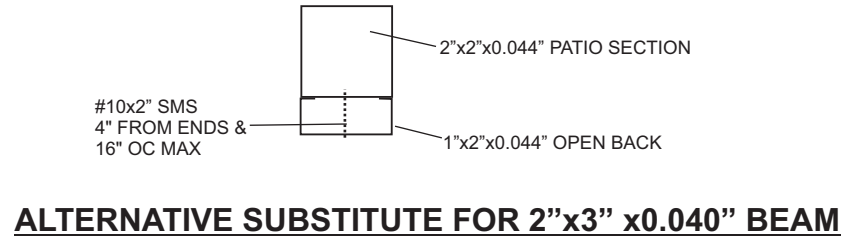
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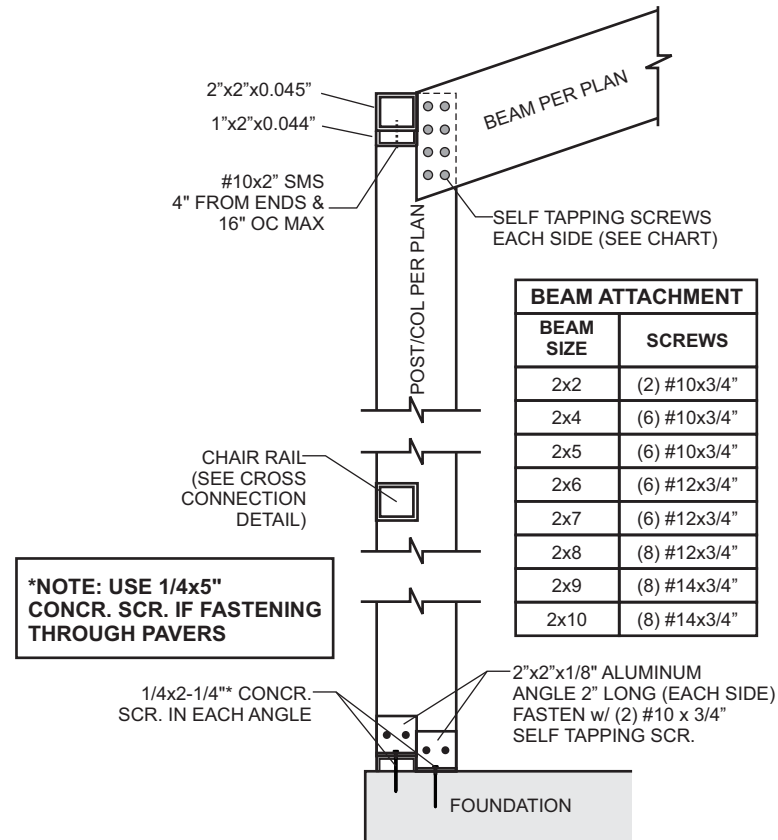
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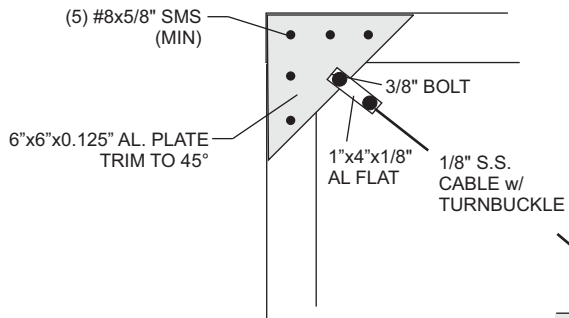
ALTERNATIVE SUBSTITUTE FOR 2"x3" x0.040" BEAM



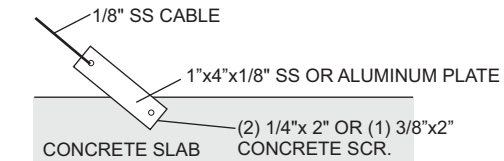
BEAM/UPRIGHT DETAIL



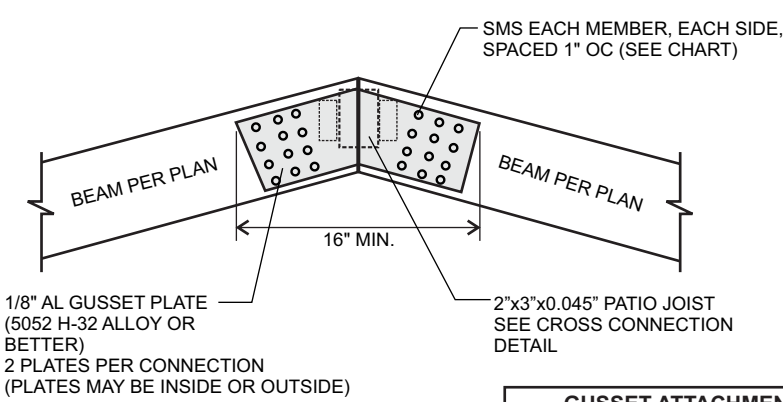
ALUMINUM TO FRAME, CMU WALL, OR CONCRETE SLAB



CABLE TO FRAMING

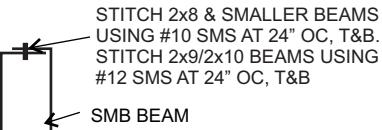


CABLE TO CONCRETE ANCHOR

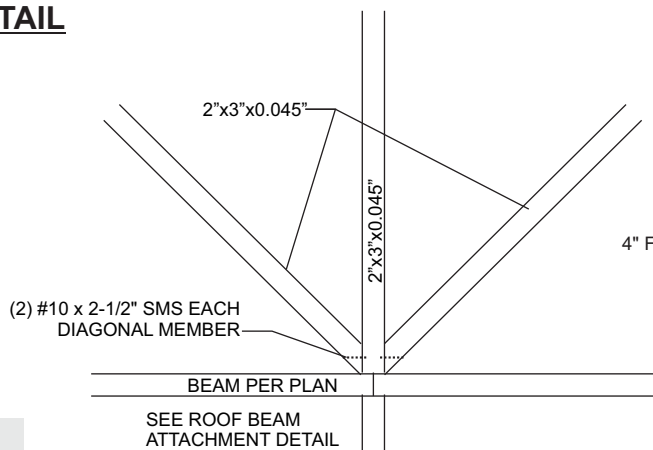


GUSSET DETAIL

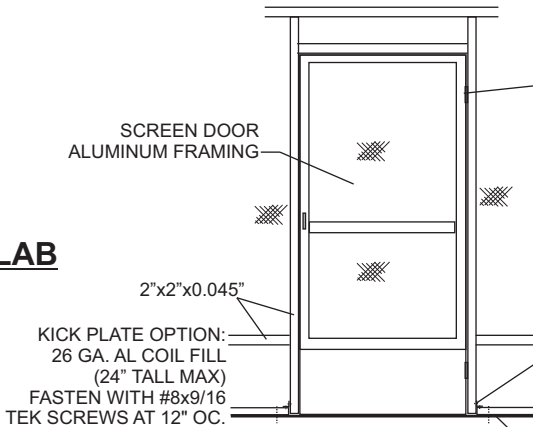
GUSSET ATTACHMENT	
BEAM SIZE	SCREWS (EACH HALF/EACH SIDE)
2x4	(10) #10x3/4" (40 TOTAL)
2x5	(10) #10x3/4" (40 TOTAL)
2x6	(10) #12x3/4" (40 TOTAL)
2x7	(14) #12x3/4" (56 TOTAL)
2x8	(14) #12x3/4" (56 TOTAL)
2x9	(16) #14x3/4" (64 TOTAL)
2x10	(20) #14x3/4" (80 TOTAL)



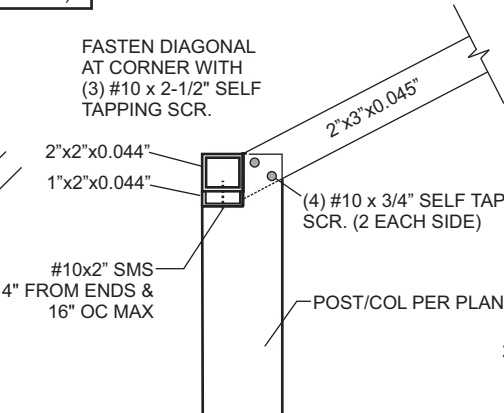
SMB DETAIL



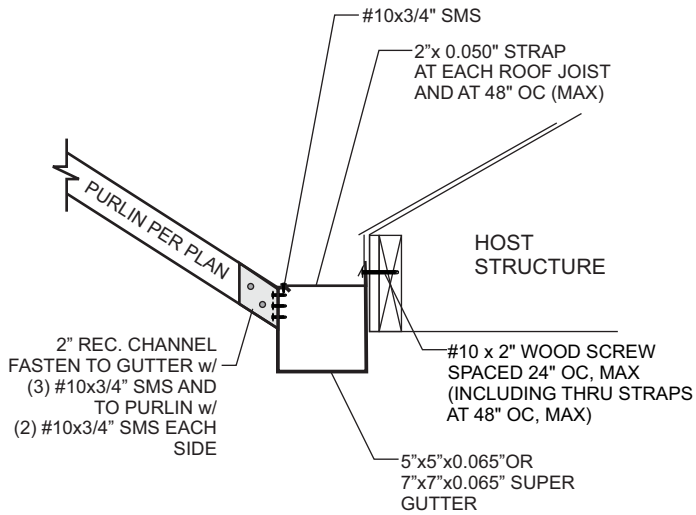
ROOF BEAM DIAGONAL ATTACHMENT



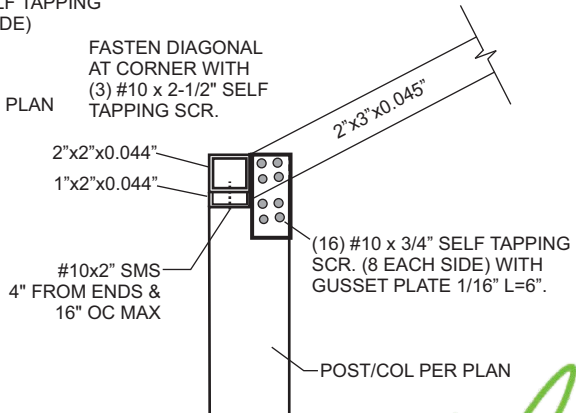
TYPICAL SCREEN DOOR CONNECTION DETAIL



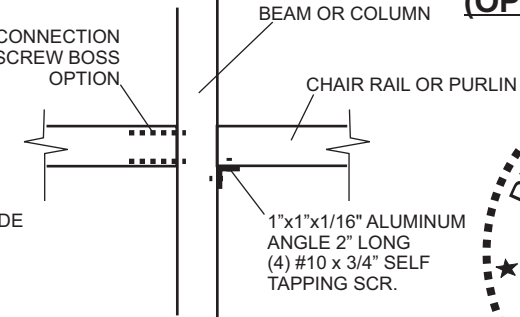
PURLIN TO POST (OPTION 1)



PURLIN TO GUTTER DETAIL

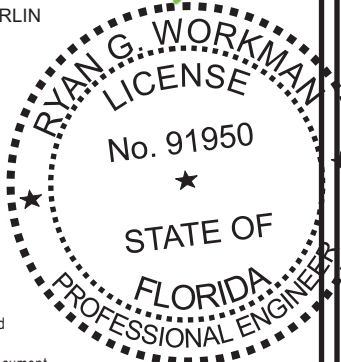


PURLIN TO POST (OPTION 2)



CROSS CONNECTION DETAIL

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