

ADD ALUM. ROOF (22' x 20') OVER EXISTING SCREEN ENCLOSURE

ENGINEERING NOTES:

1. ENGINEERING MEETS OR EXCEEDS 2023 FLORIDA BUILDING CODE (8th EDITION), RESIDENTIAL, PER SECTION R301 USING ASCE-7-22 130 mph BASIC WIND SPEED (Vult). RISK CATEGORY I, Vasd= 101 MPH.

2. EXPOSURE C

3. ALL ALUMINUM MEMBERS TO BE 6005 T5 OR 6063 T6 BASED ON AVAILABILITY WITH MINIMUM 0.04 INCH THICKNESS.

NOTE: DOOR LOCATION MAY VARY

MD Construction LLC
6656 SR 544, Winter Haven, FL 33881
Office: (321) 663-5203
email: mdconstructionfl@gmail.com
Licensed & Insured
State Certified Specialty Contractor
SCC131151708



OWNER

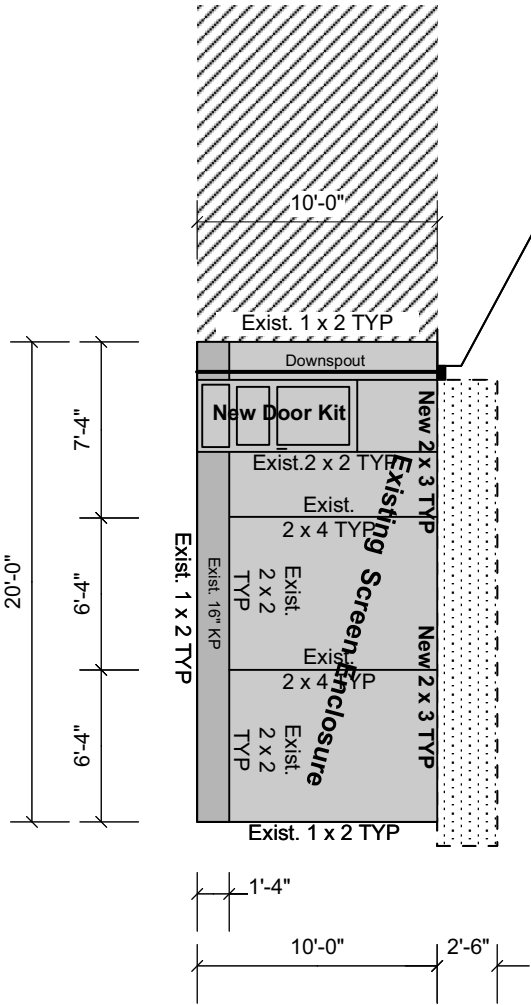
Robert & Christine Neal
Phone: (315) 247-9260
Address: 3799 Via Mazzini Ct
Poinciana – FL 34759

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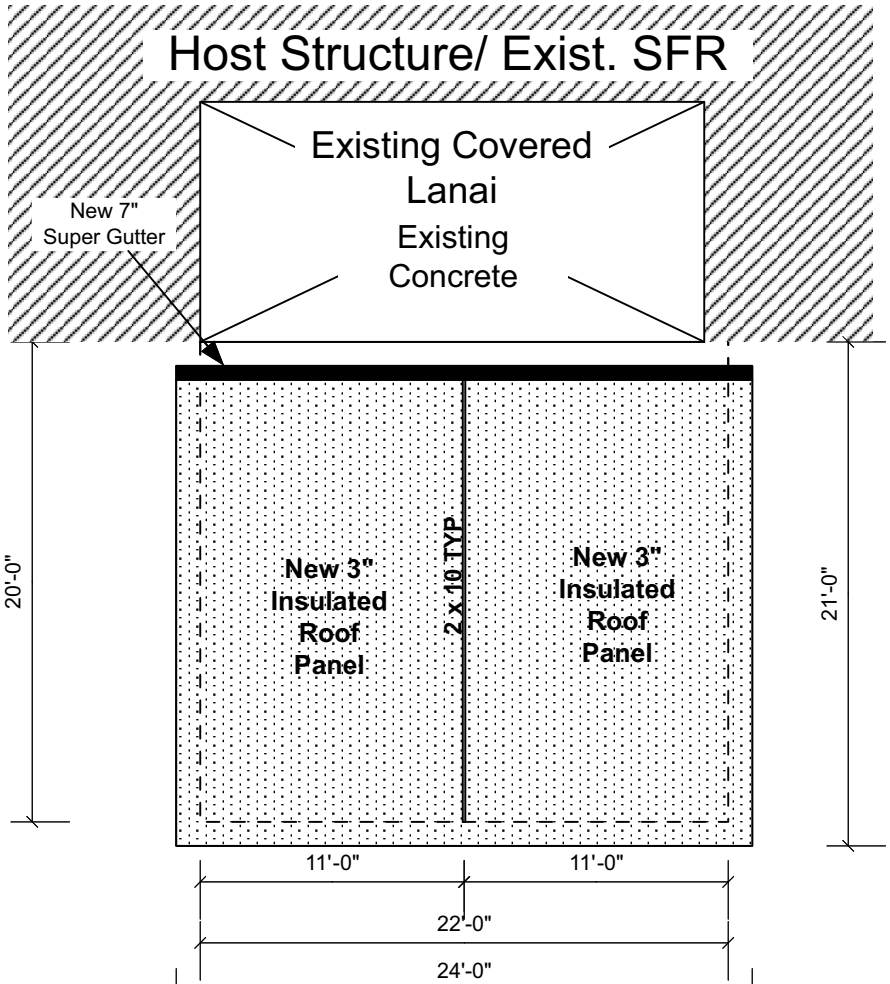
Lildon Engineering Company
548-B South Highway 27
Minneola, Florida 34715
(352) 394-2590
lildonengineering@gmail.com
Cert. of Auth. #2898

August 26, 2025
Ryan G. Workman PE # 91950

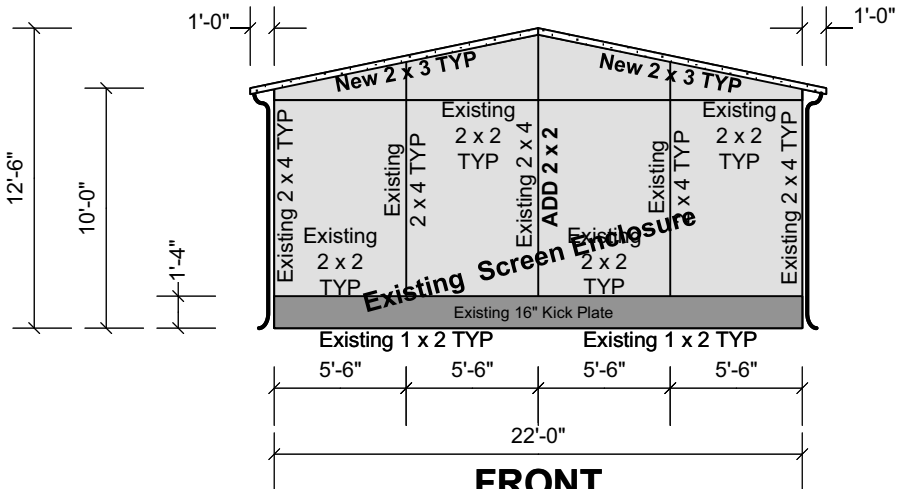
SIDE



BACK

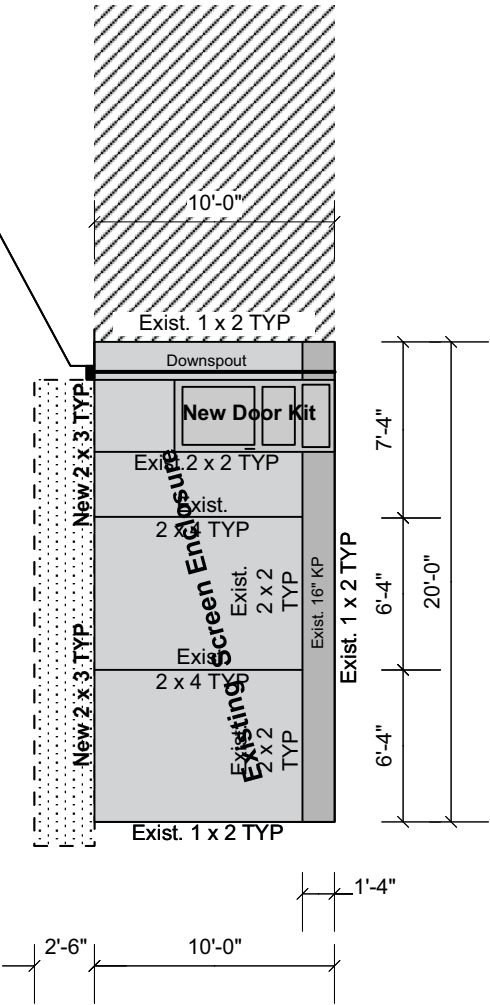


ROOF



FRONT

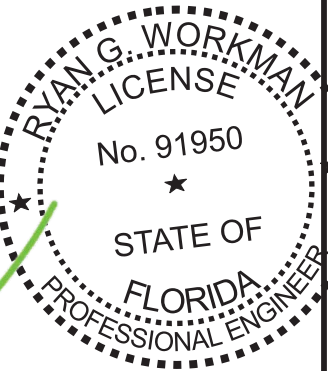
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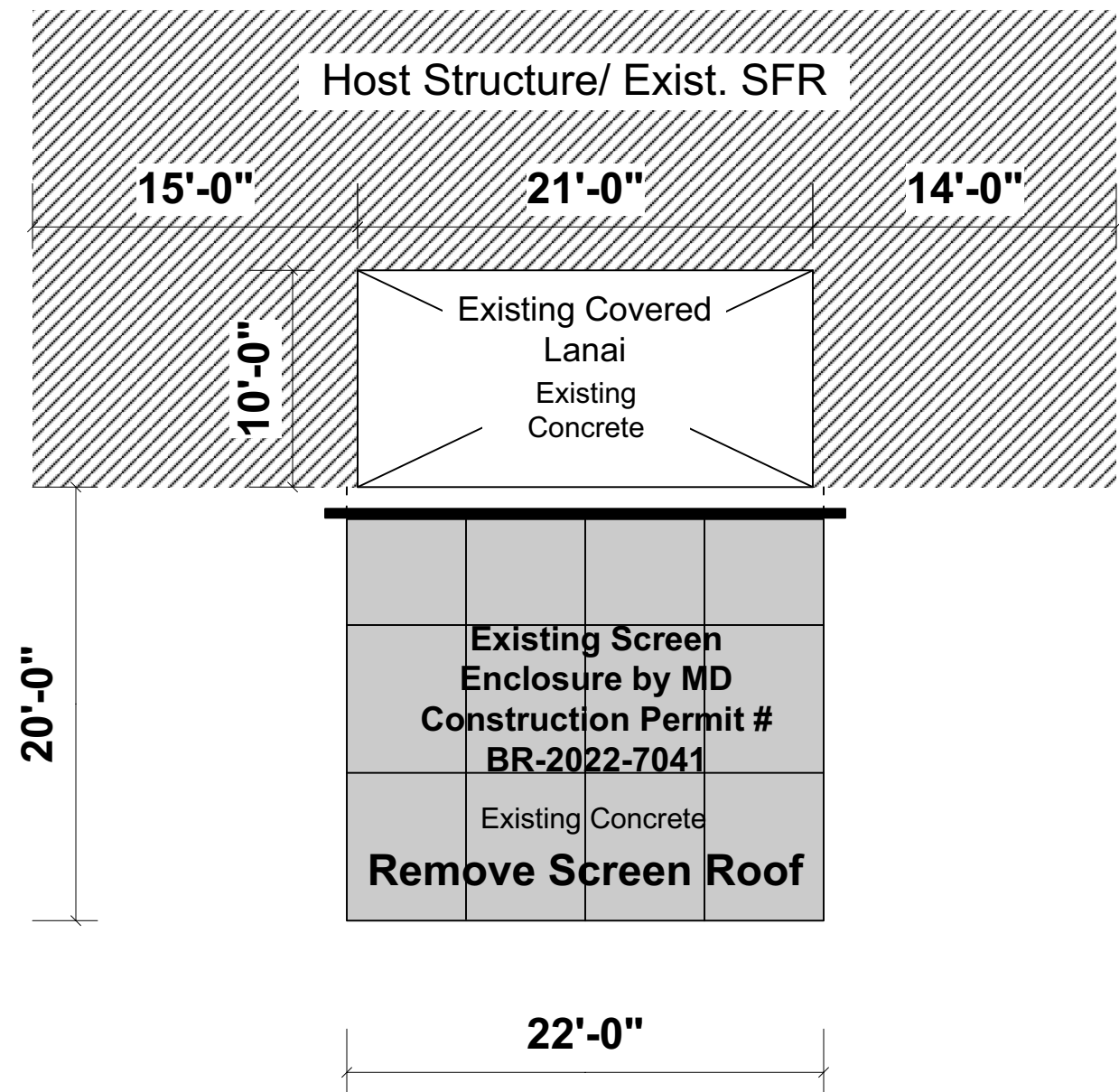
MEMBER SIZE CHART

1x2	1x2x0.044"
2x2	2x2x0.045"
2x3	2x3x0.045"
3x2	3x2x0.045"
2x4	2x4x0.045" SMB
2x5	2x5x0.050" SMB
2x6	2x6x0.050" SMB
2x7	2x7x0.055" SMB
2x8	2x8x0.072" SMB
2x9	2x9x0.072" SMB
2x10	2x10x0.092" SMB

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ADD ALUM. ROOF (22' x 20') OVER EXISTING SCREEN ENCLOSURE



EXISTING FOUNDATION PLAN

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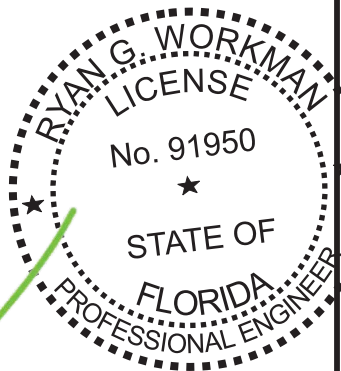


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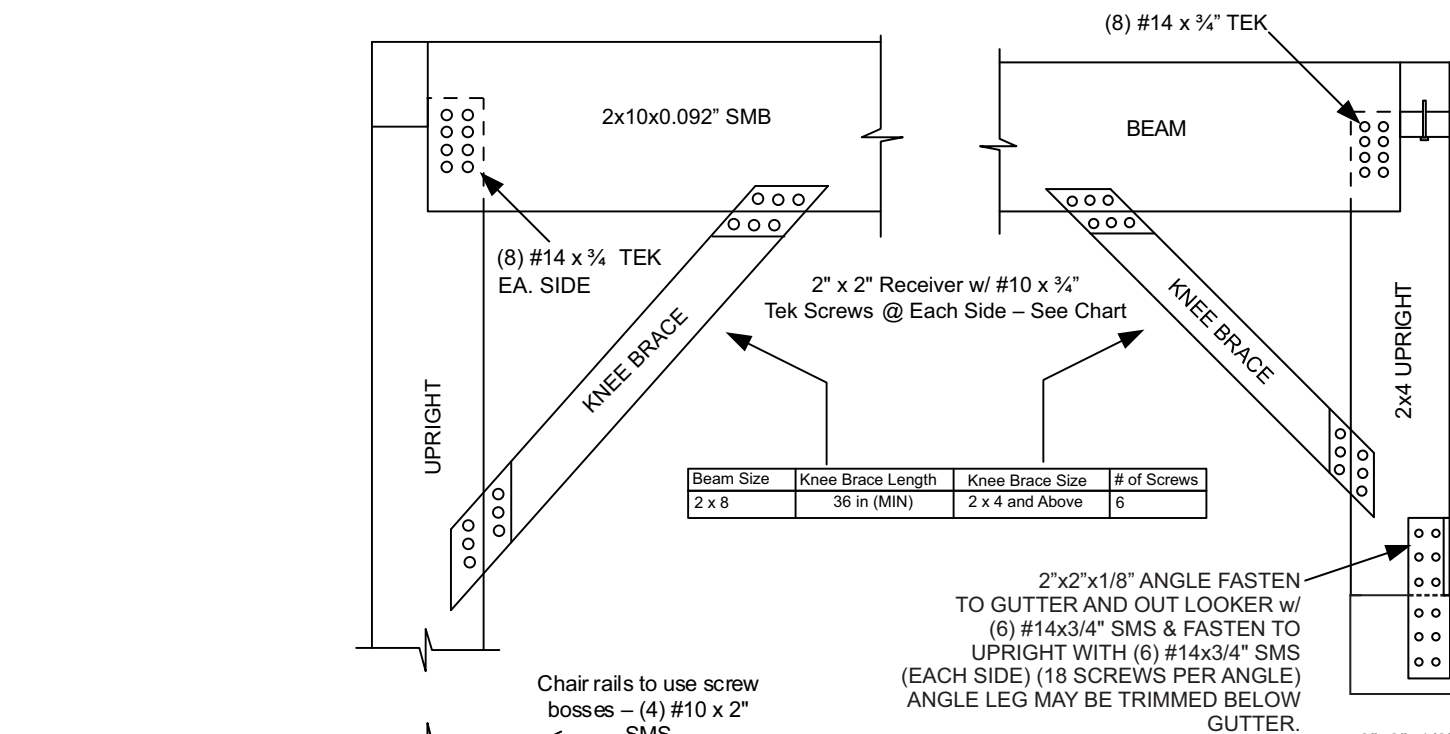
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BEAM TO WALL / KNEE BRACE DETAIL

2"x2"x1/8" ALUM. ANGLE w/ (2) #12 x 3/4" TEK SCREWS AND (1) 1/4"x2-1/4" TAPCONS (EACH SIDE)

1 x 2 (O.B.) to have 1/4 x 2-1/4" Tapcons @ 24 O.C.

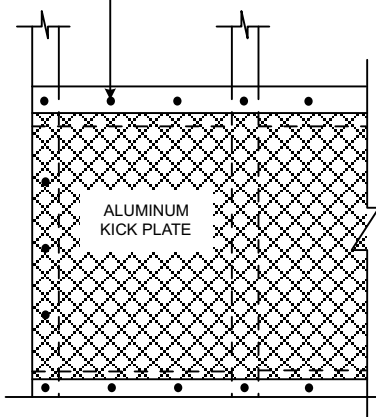
2"x2"x1/8" ALUM. ANGLE w/ (3) #12 x 3/4" TEK SCREWS AND (2) 1/4"x2-1/4" TAPCONS (EACH SIDE)

Chair rails to use screw bosses – (4) #10 x 2" SMS

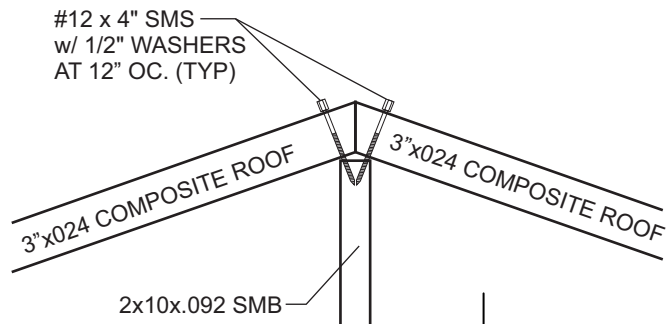
Foundation

BEAM/ UPRIGHT DETAIL

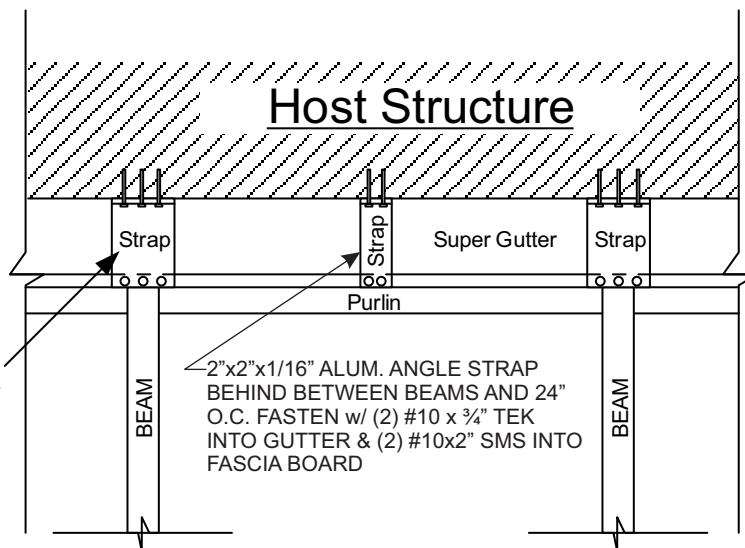
#10x3/4" Fasteners - 2" from ends and every 12" O.C. (max)



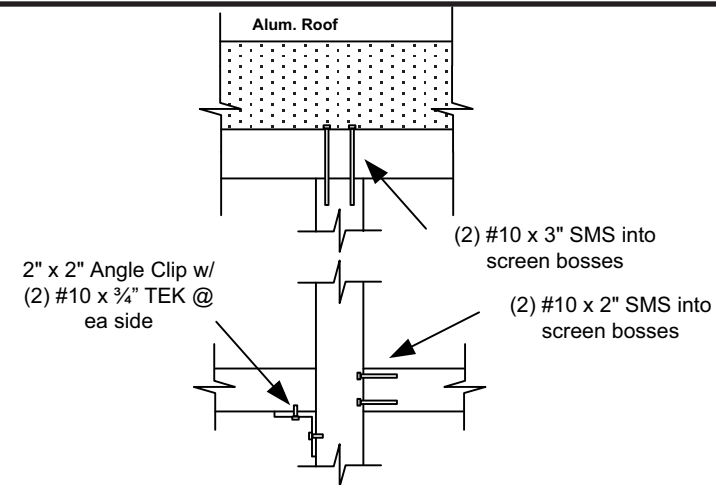
TYPICAL ALUMINUM KICK PLATE ATTACHMENT



2"x4"x1/16" ALUM. ANGLE STRAP BEHIND EACH BEAM, FASTEN w/ (3) #12 x 3/4" TEK INTO GUTTER & (3) #12x2" SMS INTO FASCIA BOARD



GUTTER STRAP DETAIL



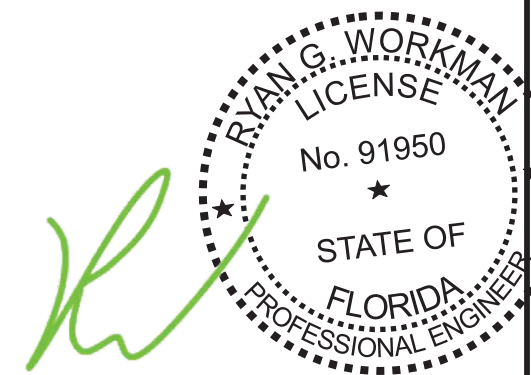
TYPICAL ROOF TO BEAM DETAIL

#10 x 3" SMS 6" FROM ENDS & 16" OC

ADDED 2"x2"x.045"

EXISTING 2"x4"

SECTION THRU COLUMN



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