

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, $V_{asd} = 101$ MPH.

2. EXPOSURE C

INTERNAL PRESSURE COEFFICIENT = ± 0.55

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

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SCC1311151708

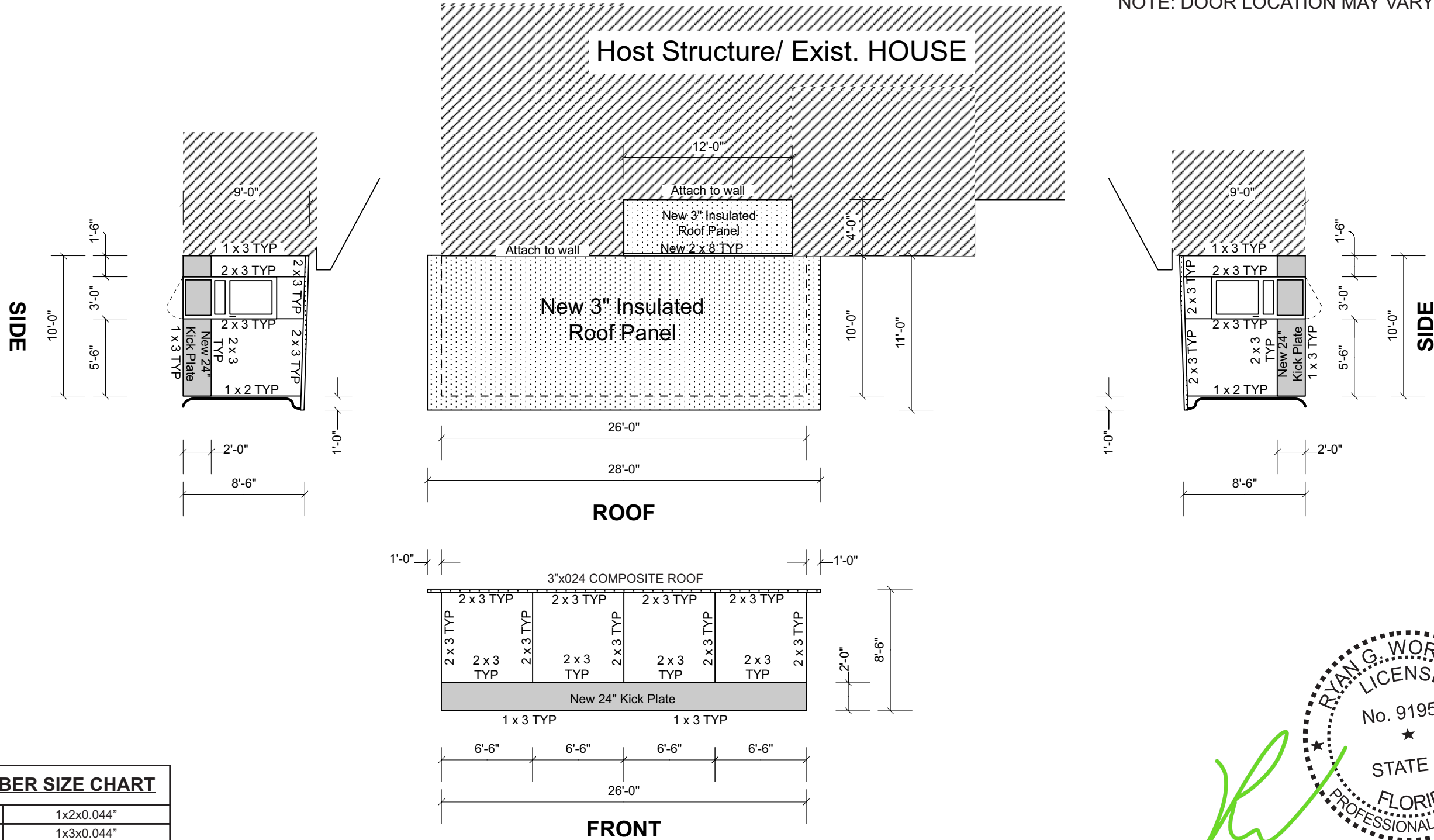


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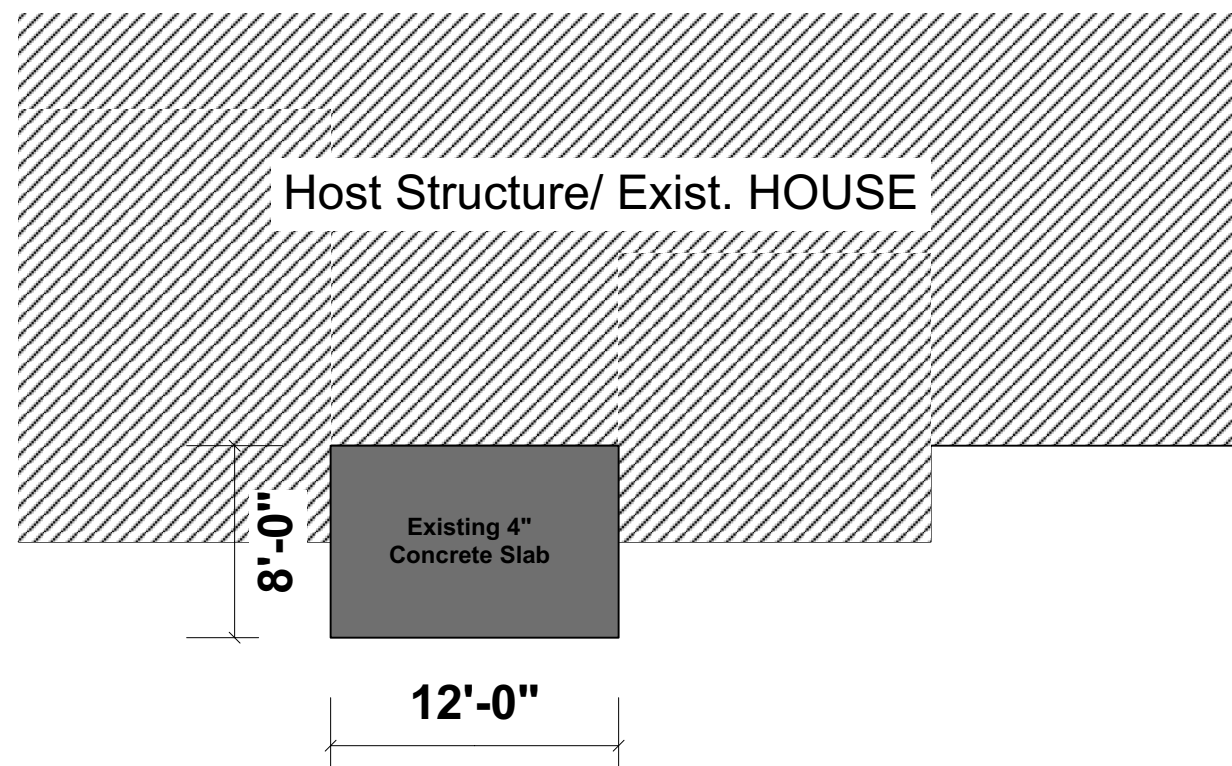
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January 21, 2025
Ryan G. Workman PE # 91950

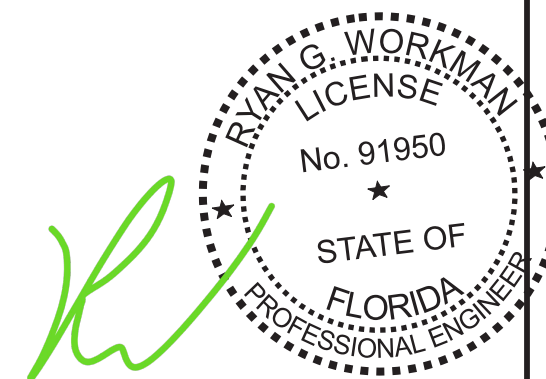


1x2	1x2x0.044"
1x3	1x3x0.044"
2x2	2x2x0.045"
2x3	2x3x0.045"
2x6	2x8x0.072" SMB
3x3	3x3x0.090"

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EXISTING FOUNDATION



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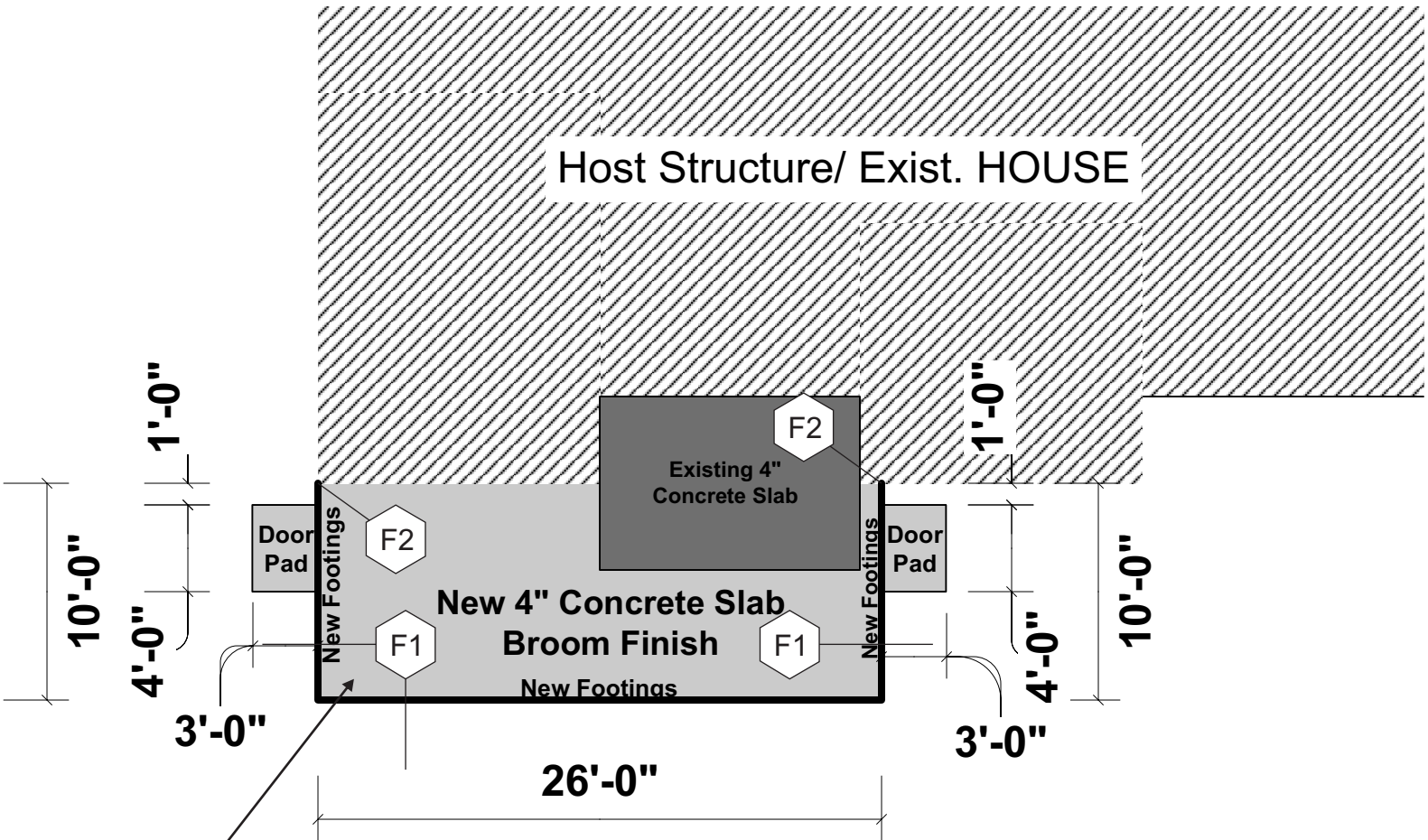
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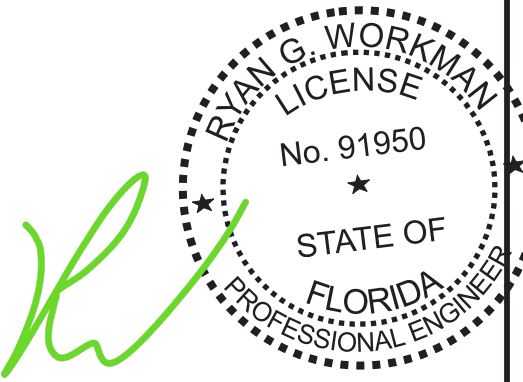
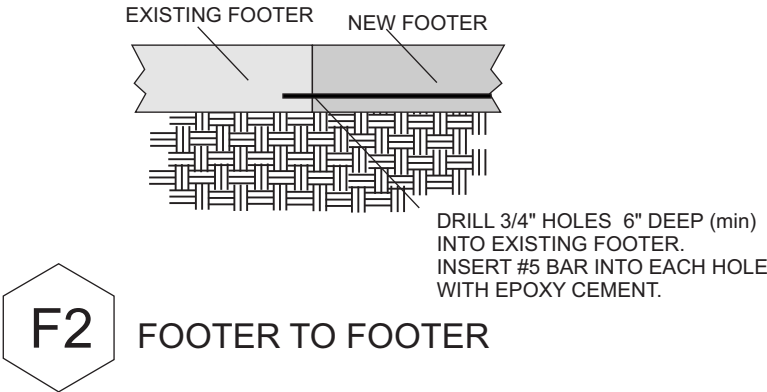
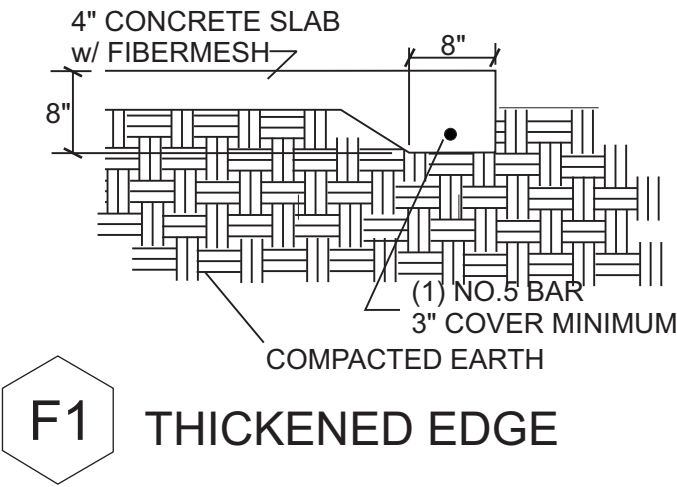
CONCRETE FOOTING NOTES

1. SLAB AND FOOTINGS: 2500 psi (MIN.)
2. REINFORCEMENT: #5 Bar Grade 40 in footings with 25" minimum splice lap. See details on plans to see if/where rebar is required.
3. REBAR COVERAGE: All rebar in footings to have 3" minimum coverage of concrete.
4. DRAINAGE: Finish Grade to provide positive drainage away from structure to city/counties requirements.
5. SOIL PRESSURE: Soil pressure must provide 2000 psf bearing minimum. Consult Engineer of Record if soil pressure does not meet or exceed 2000 psf.



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.

NEW FOUNDATION



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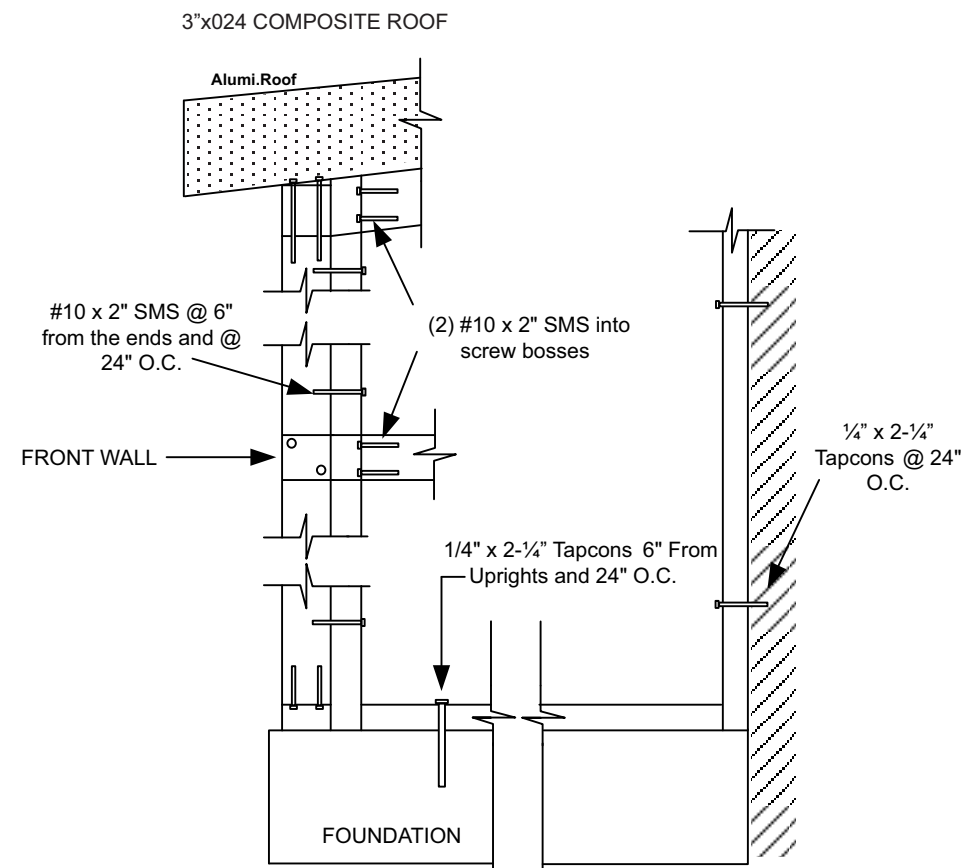
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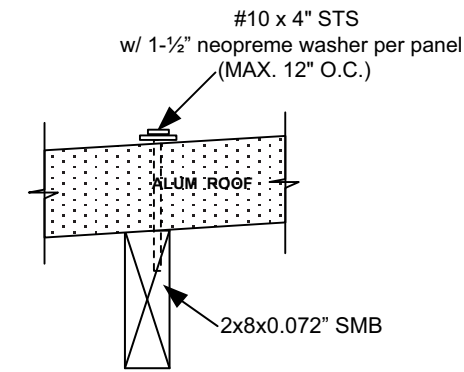
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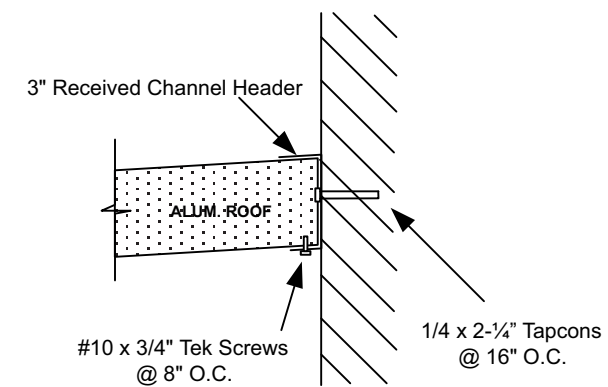
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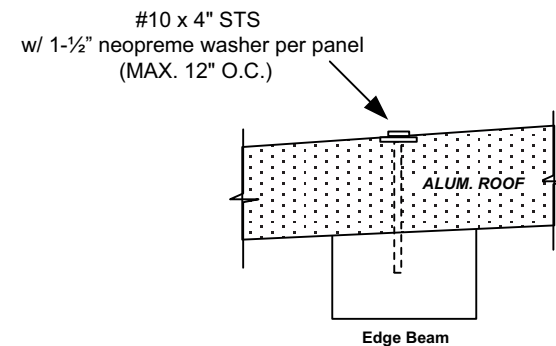
TYPICAL SIDE DETAIL



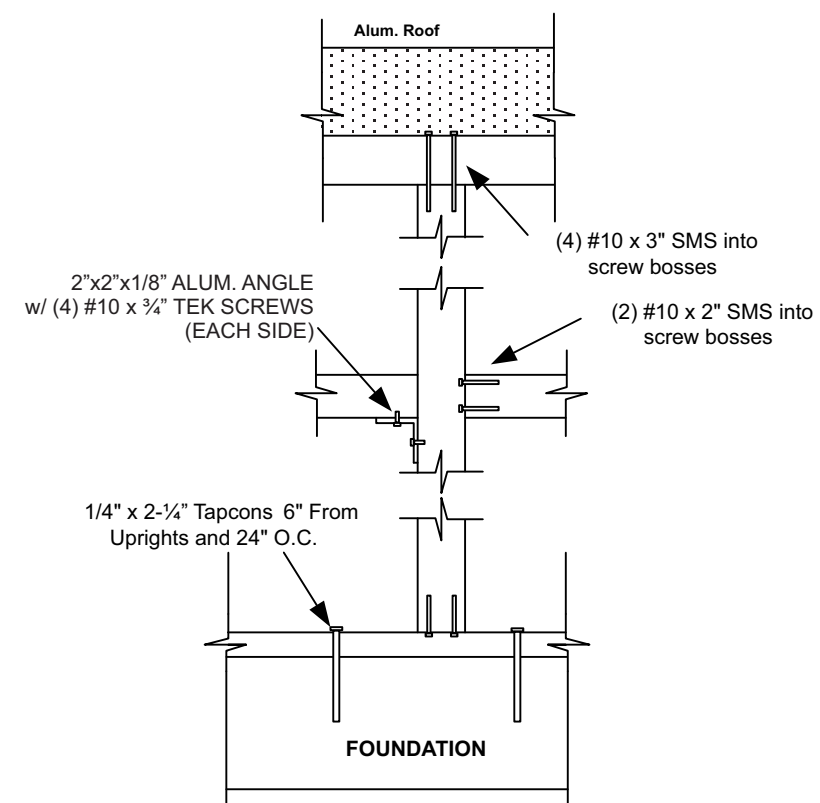
ALUM. ROOF DETAIL



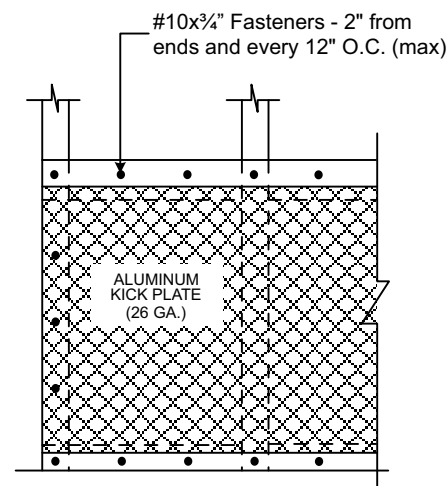
ALUM. ROOF TO WALL



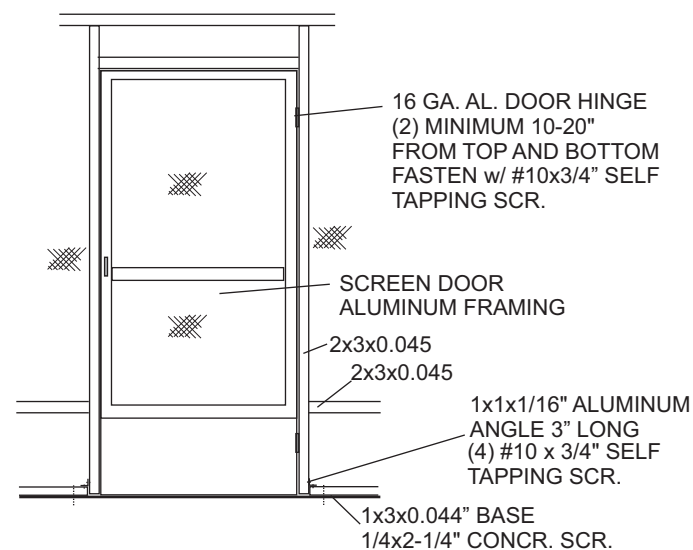
TYPICAL ROOF TO BEAM DETAIL



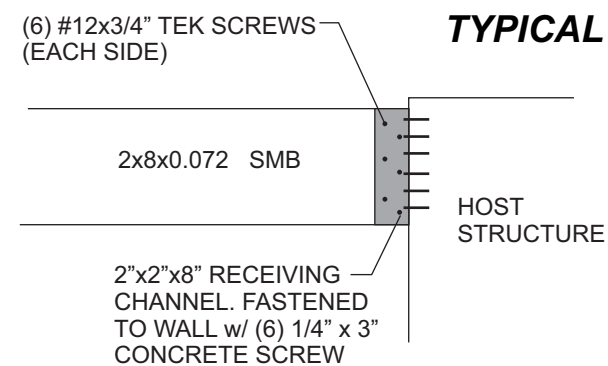
TYPICAL UPRIGHT DETAIL



TYPICAL ALUMINUM KICK PLATE ATTACHMENT



TYPICAL SCREEN DOOR CONNECTION DETAIL



BEAM TO WALL

*NOTE: IF FASTENING THROUGH PAVERS USE 1/4"x5" TAPCONS (1-1/2" MIN EMBEDMENT).

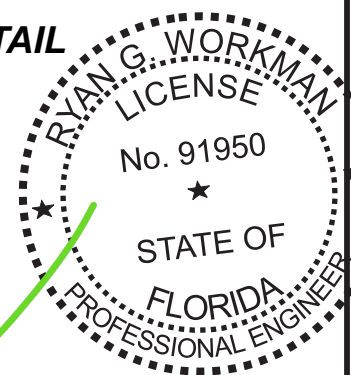
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