



This room may not enclosed a bedroom egress route

GREAT DAY IMPROVEMENTS, RALEIGH GARCIA RESIDENCE

MINIMUM DESIGN LOADS: PER 2018 NC RESIDENTIAL BUILDING CODE / 2015 IRC WITH NC AMENDMENTS

SUNROOM CATEGORY II (PER 2015 IRC R301.2.1.1.1 & AAMA / NPEA / NSA 2100)

DEAD LOADS:  
 1. ROOF: 15 PSF  
 2. WALLS: 20 PSF  
 3. FLOOR: 10 PSF

SNOW LOADS: GROUND SNOW LOAD 20 PSF

ULTIMATE DESIGN WIND SPEED: 120 MPH, 3 SEC. GUSTS

LIVE LOADS:  
 1. ROOF: 20 PSF  
 2. FLOOR: 40 PSF

THIS SUNROOM IS NOT TO BE CONDITIONED OR USED AS A PERMANENT LIVING AREA.

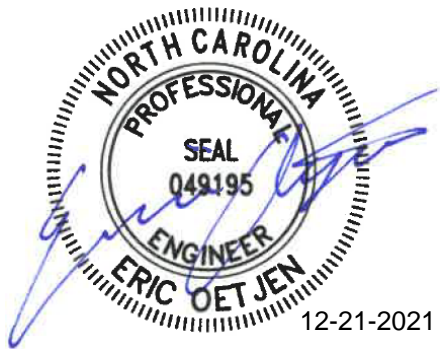
- NOTES:
1. ALLVIEW (AAS) SUNROOM; WHITE IN COLOR
  2. CONSTRUCT SUNROOM ON NEW DECK
  3. NO HEAT BY GDI; ELECTRICAL BY GDI
  4. ALL CONCRETE TO BE 3000 PSI MINIMUM
  5. ALL DECK LUMBER IS PRESSURE TREATED SYP #2 OR BETTER
  6. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS (PER 2015 IRC SECTION N1102.1, NOTE 2)

DRAWING #	DESCRIPTION
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	FOUNDATION PLAN
5	ELECTRICAL PLAN
6	FLOOR PLAN
7	ROOF PLAN
8	SYSTEM DETAILS
9	SYSTEM DETAILS

ALLOWABLE SOIL PRESSURE CONSIDERED (PRESUMPTIVE) = 2000 PSF

NOTE: THIS STRUCTURE HAS BEEN EVALUATED FOR VERTICAL AND LATERAL LOADS REQUIRED BY THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

SQUARE FOOTAGE OF SUNROOM = 138



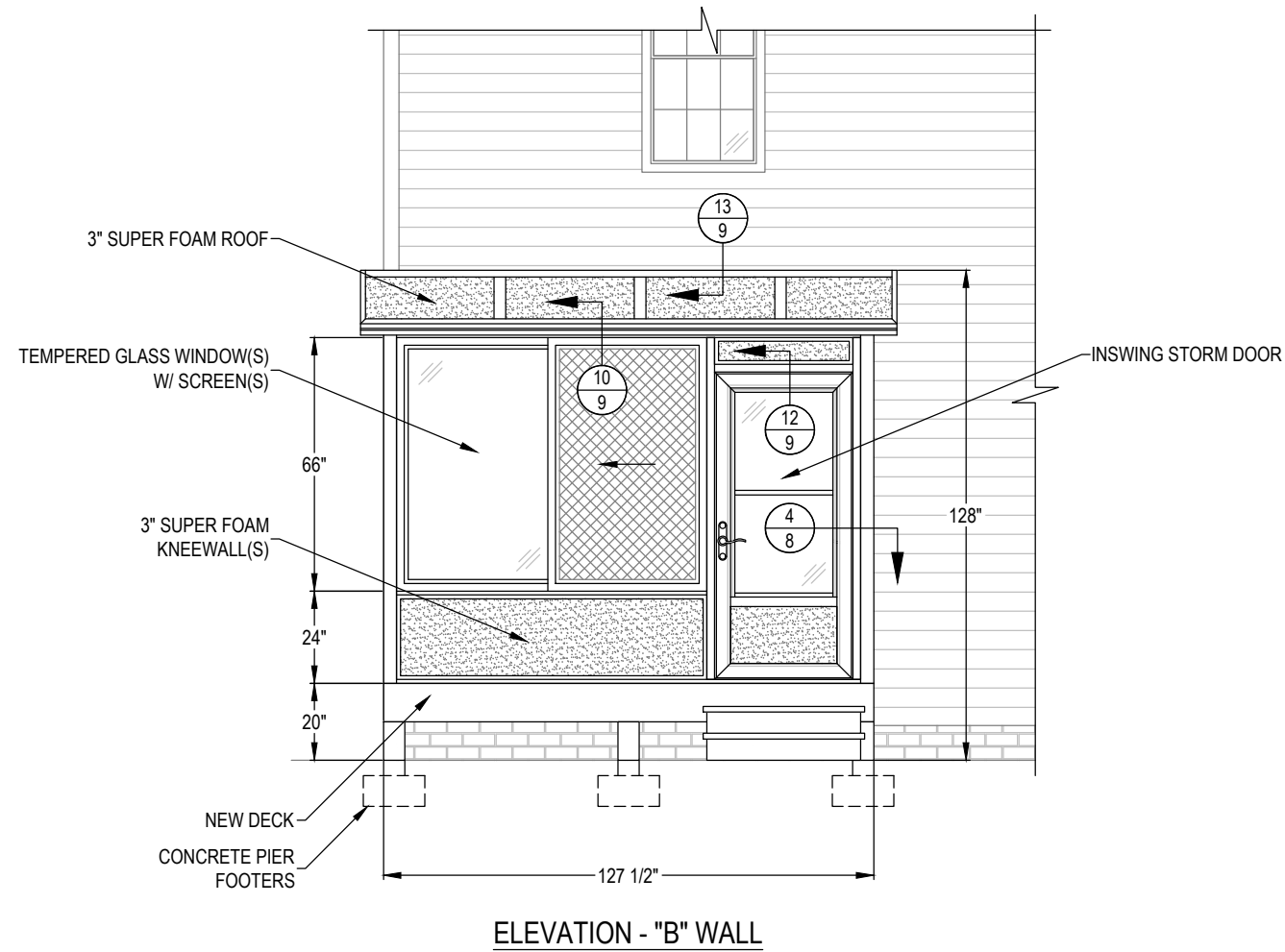
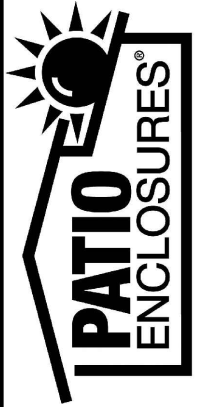
ERIC OETJEN, P.E., M. ENG.  
 NC. PROFESSIONAL ENGINEER (NC. LIC. #049195)  
 5 GREENE STREET  
 FORT THOMAS, KY. 41075  
 PH. # 859-393-9049

LOCATION  
 GDI - RALEIGH  
 951 AVIATION PKWY, SUITE 1000  
 MORRISVILLE, NC 27560  
 984-212-8850

CHRISTINA GARCIA  
 300 CRESTHAVEN DRIVE  
 SANFORD, NC 27332  
 JOB #20445

DATE	12/20/21
DRAWN	MTS
SCALE	1/4" = 1'-0"
SHEET	1 OF 9

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ELEVATION - "B" WALL



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 MTS

SCALE  
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SHEET  
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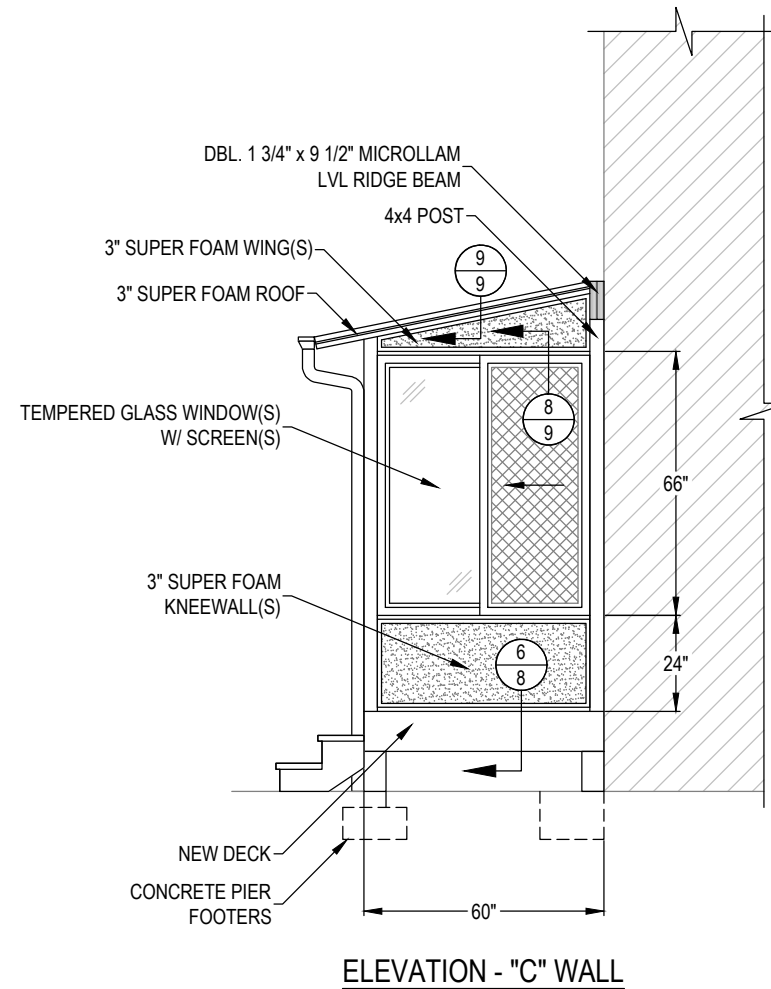
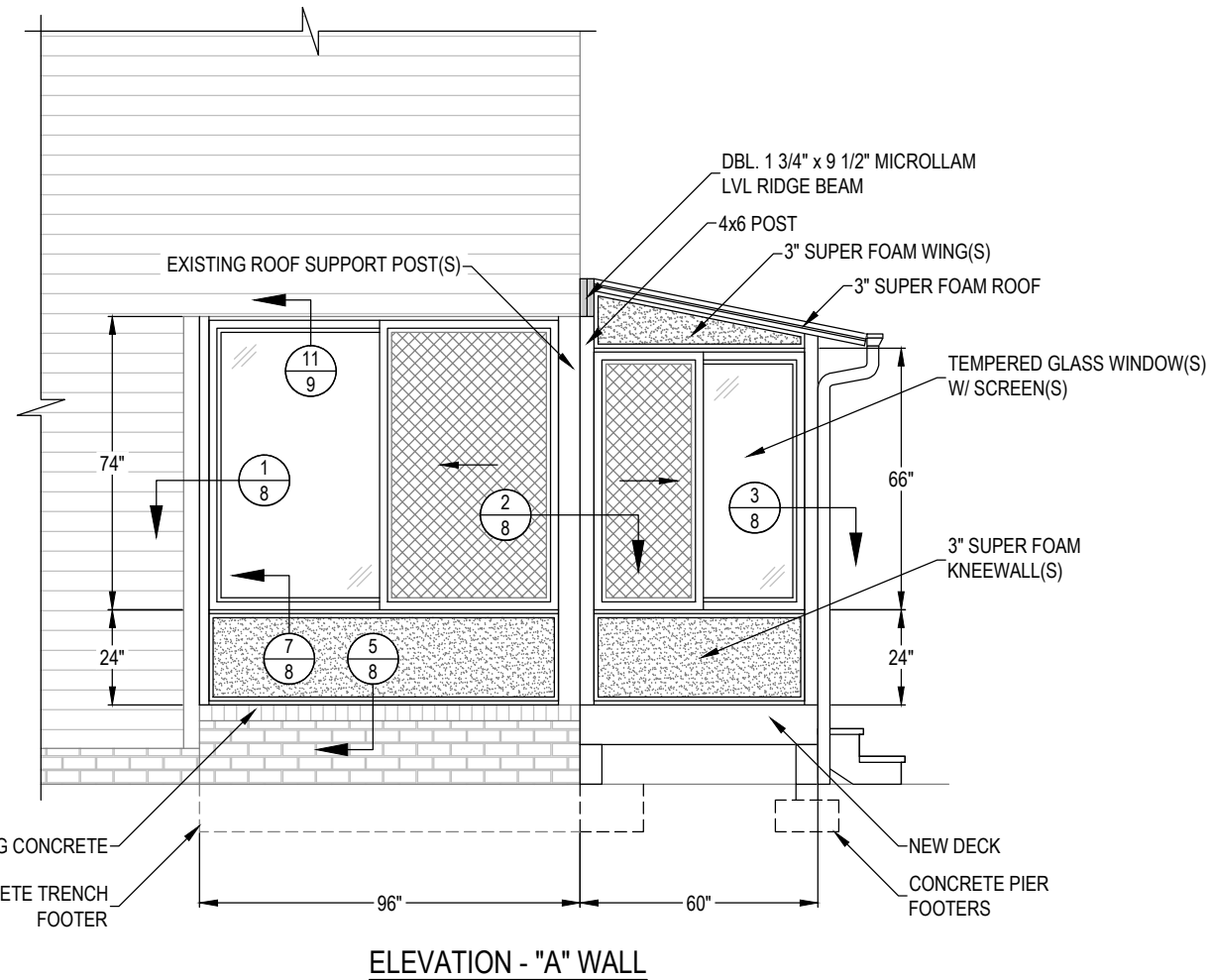
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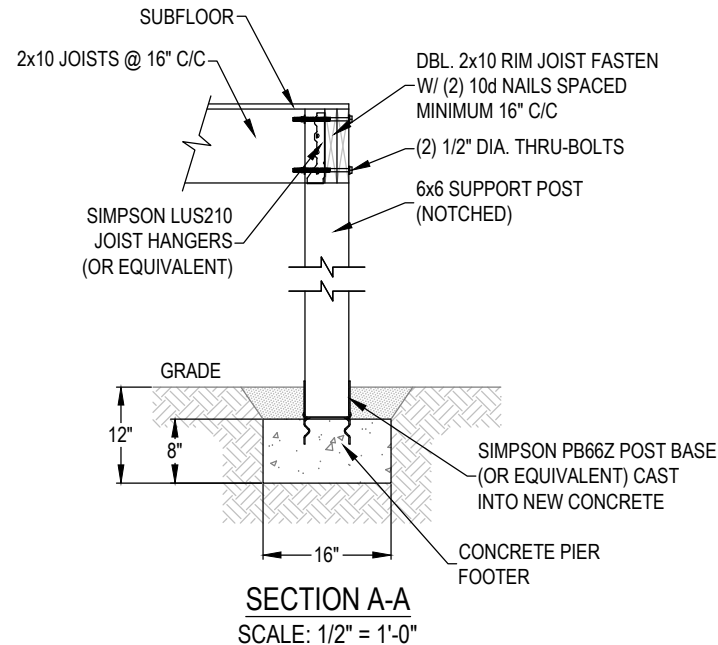
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SCALE	AS NOTED
SHEET	4 OF 9

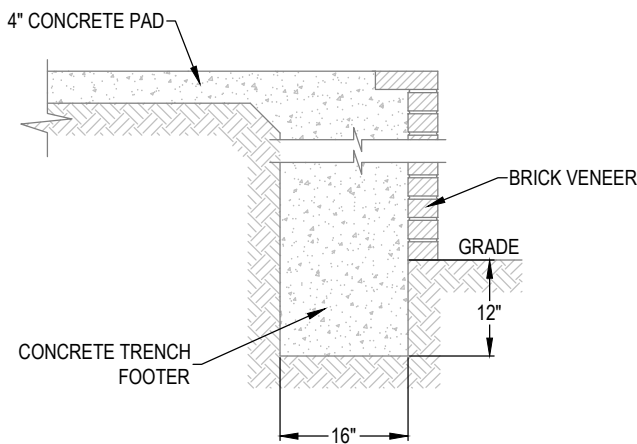
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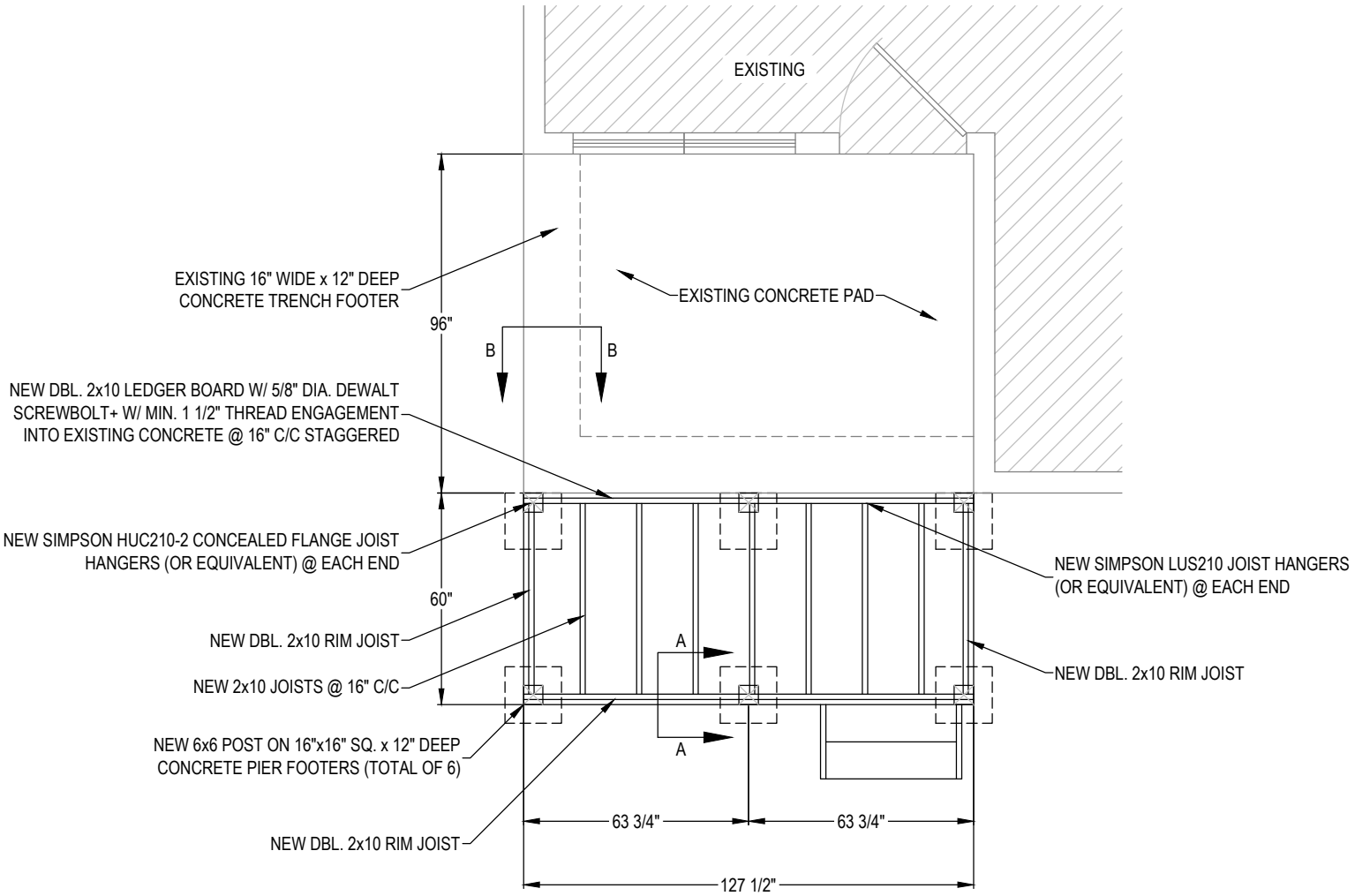
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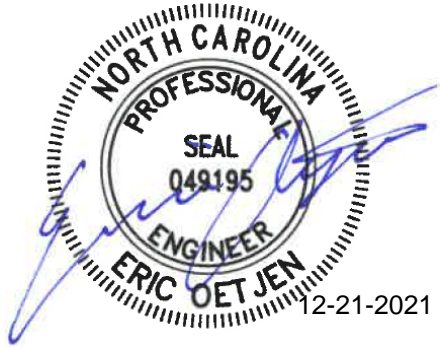
SECTION A-A  
 SCALE: 1/2" = 1'-0"



SECTION B-B  
 SCALE: 1/2" = 1'-0"



FOUNDATION PLAN  
 SCALE: 1/4" = 1'-0"



- NOTES:  
 1. DECK TO BE BUILT PER 2018 NC RESIDENTIAL CODE  
 2. ALL DECK LUMBER IS PRESSURE TREATED SOUTHERN YELLOW PINE

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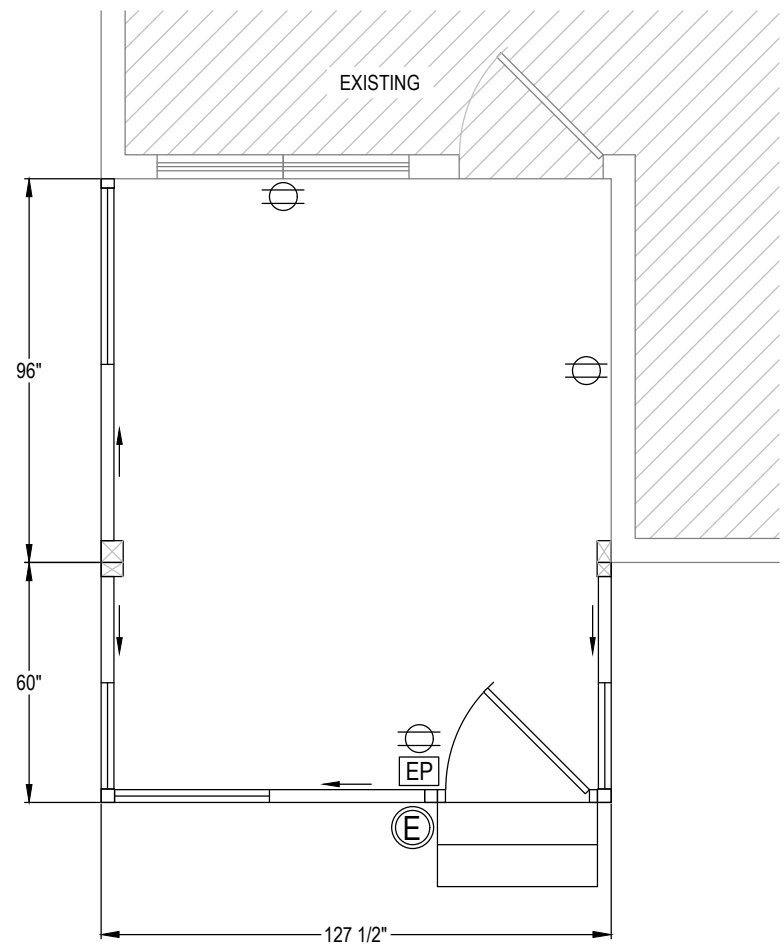

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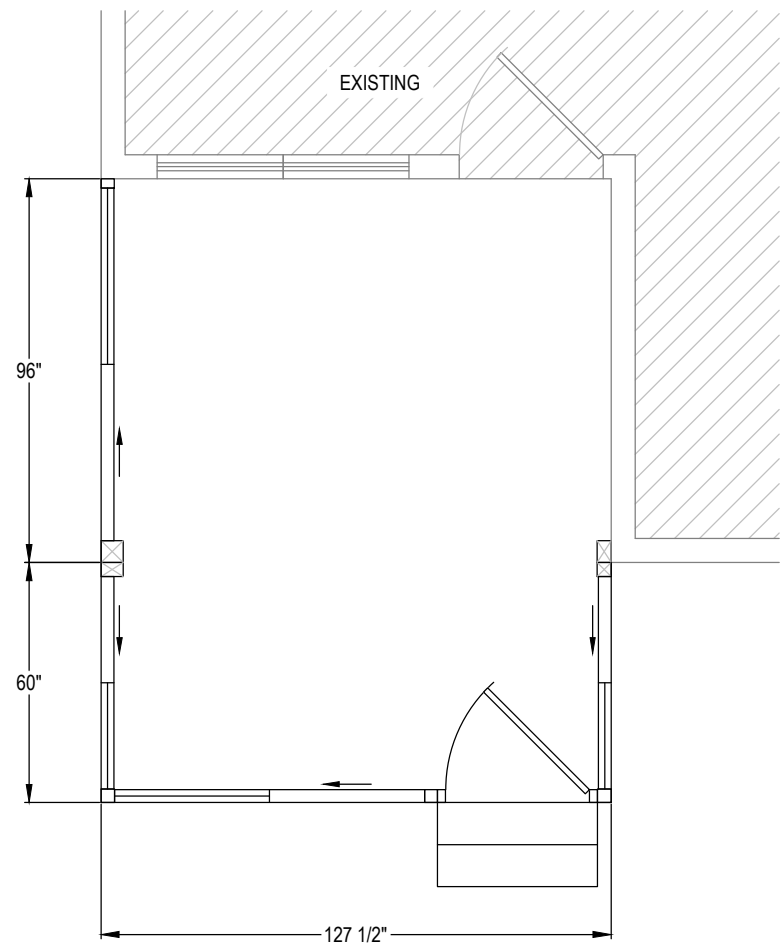


ELECTRICAL PLAN

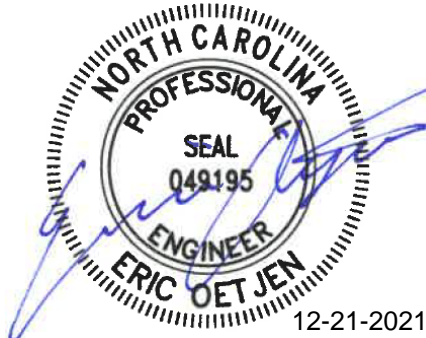
GDI ELECTRICAL SYMBOL LEGEND

-  ELECTRICAL RACEWAY POST
-  DUPLEX RECEPTACLE
-  EXIT LIGHT

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FLOOR PLAN



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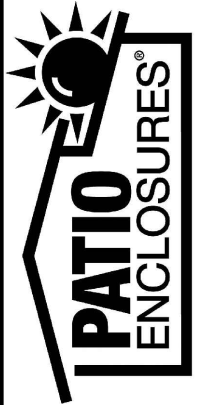
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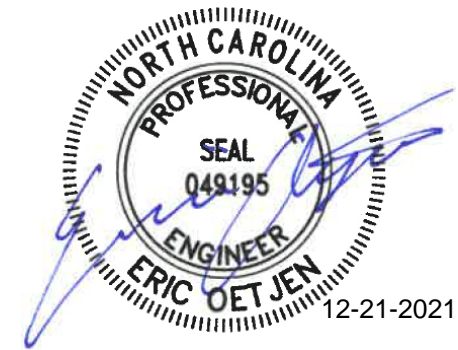


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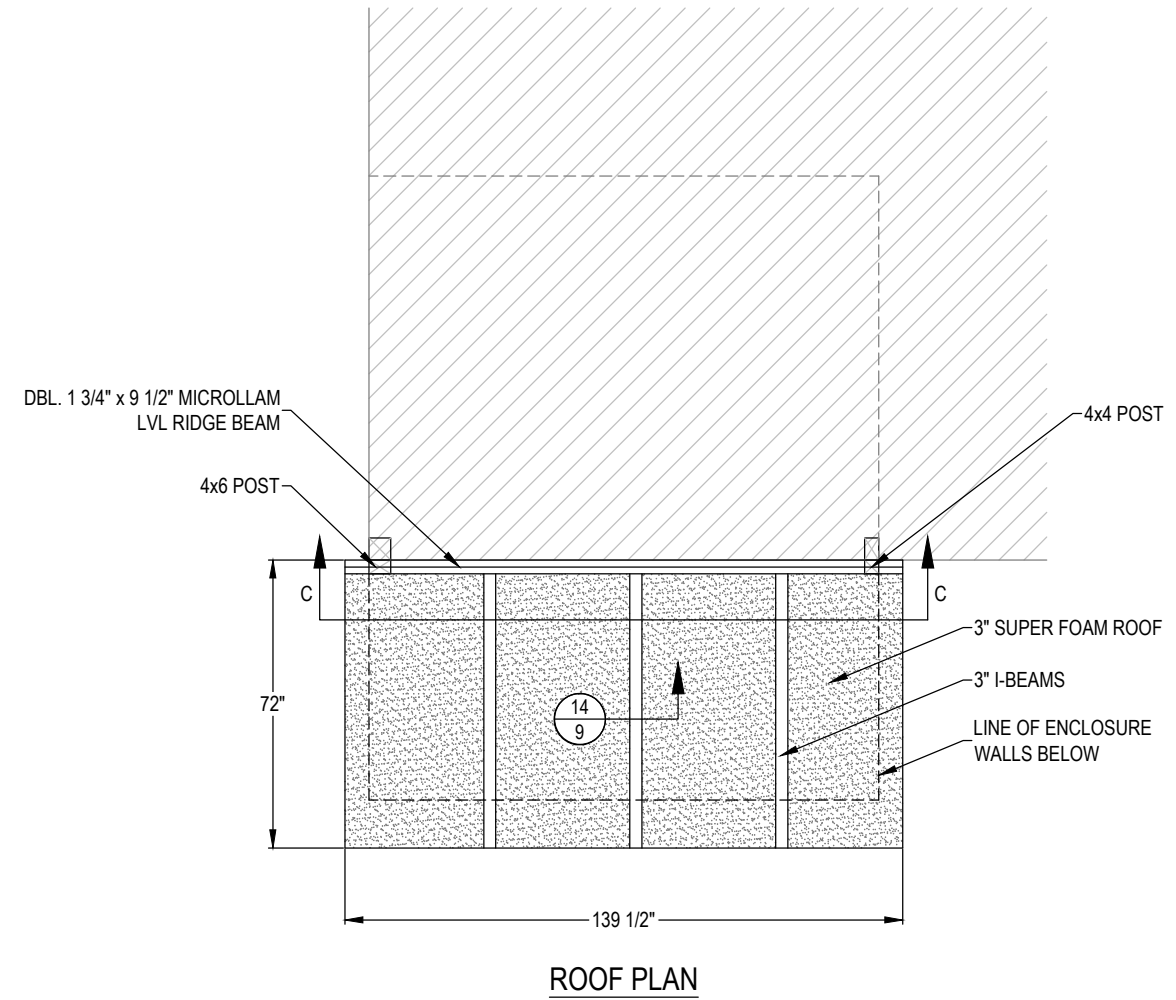
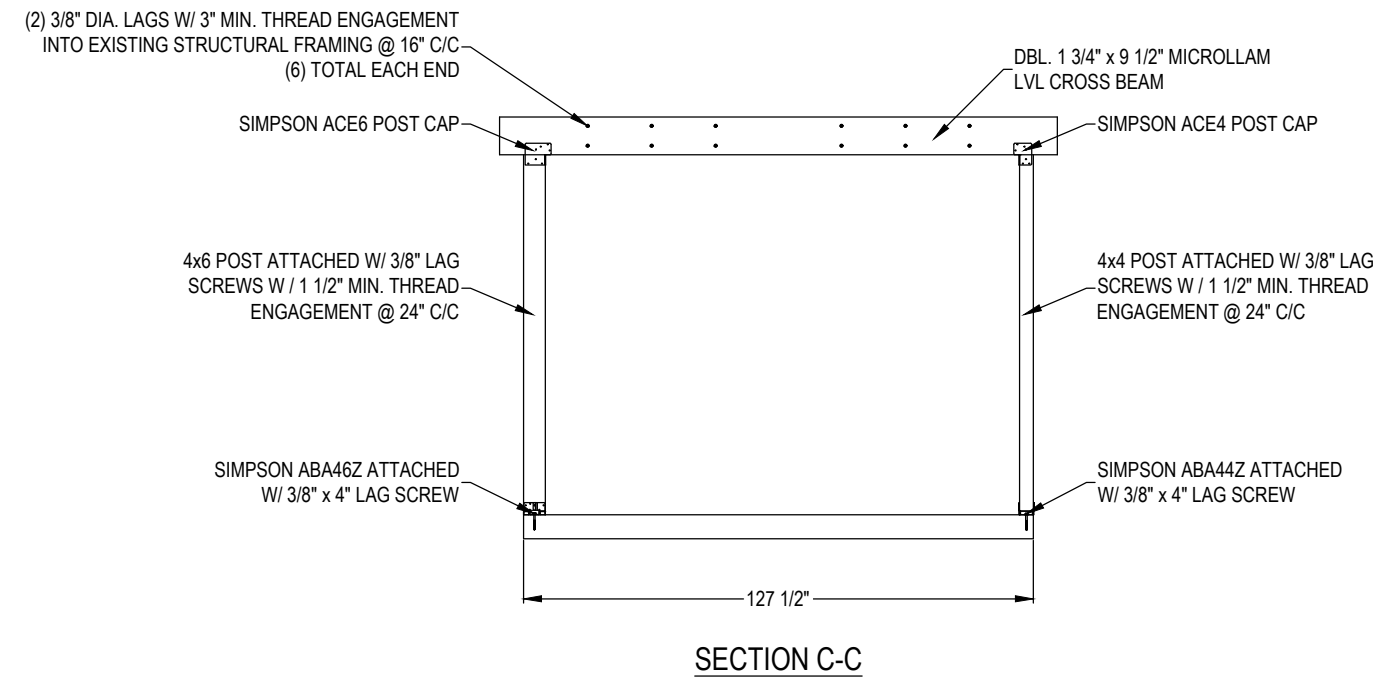
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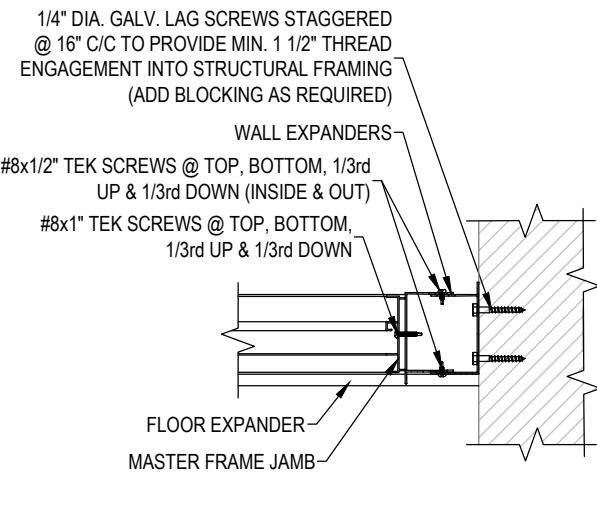
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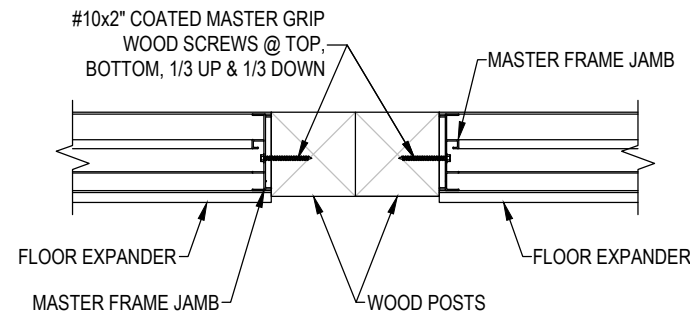
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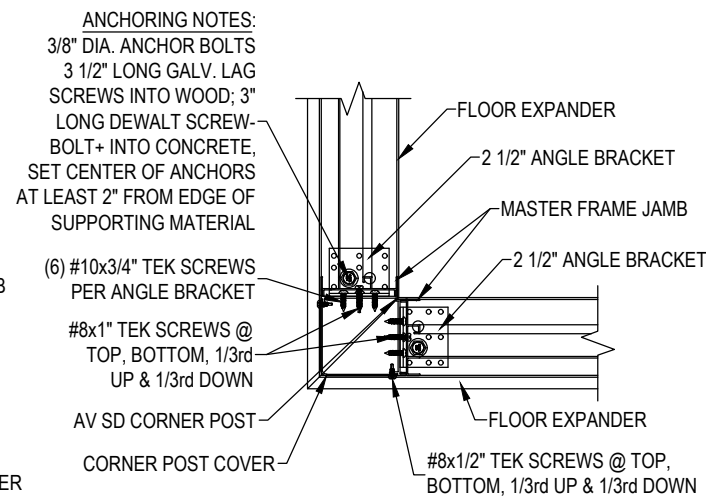




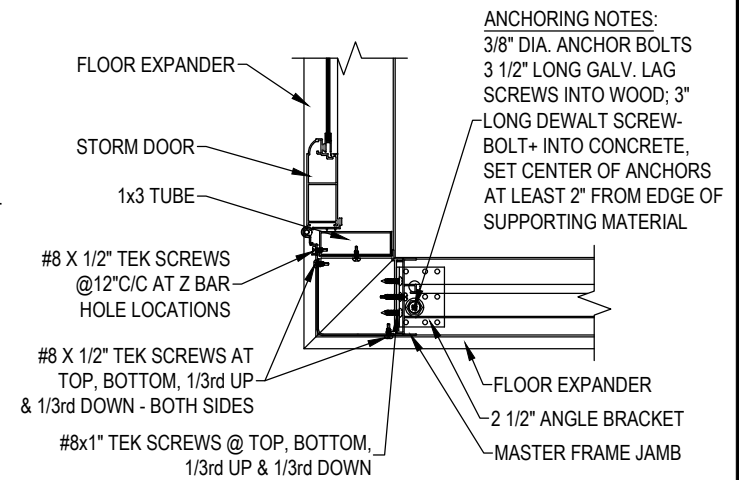
1 PLAN VIEW OF MASTER FRAME JAMB & DBL. EXPANDER CONNECTION @ EXISTING WALL



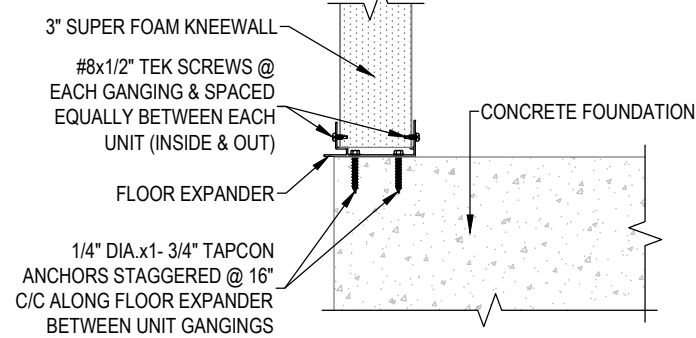
2 PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ WOOD POSTS



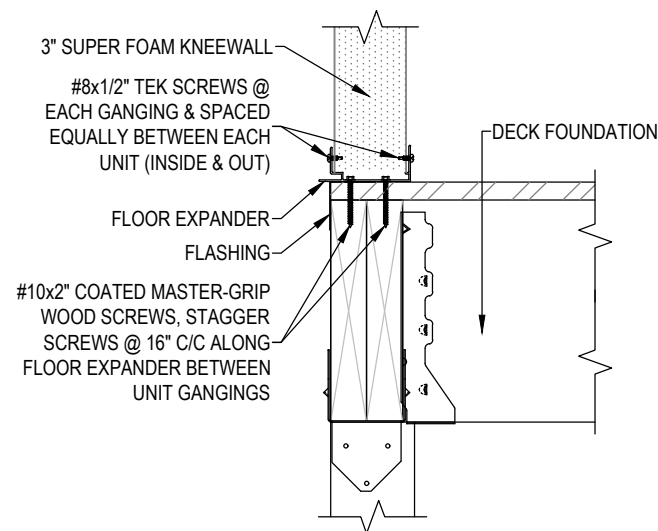
3 PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ CORNER POST



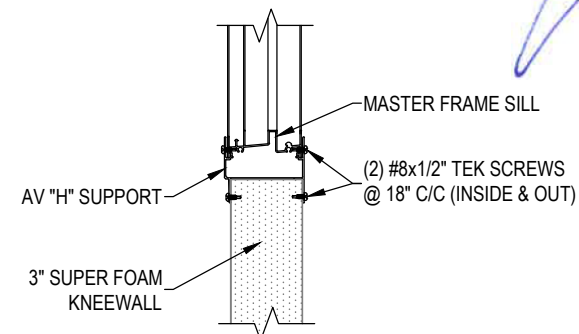
4 PLAN VIEW OF MASTER FRAME & STORM DOOR JAMBS CONNECTION @ CORNER POST



5 SECTION THROUGH FOAM KNEEWALL CONNECTION @ CONCRETE FOUNDATION



6 SECTION THROUGH FOAM KNEEWALL CONNECTION @ DECK FOUNDATION



7 SECTION THROUGH MASTER FRAME SILL CONNECTION @ FOAM KNEEWALL



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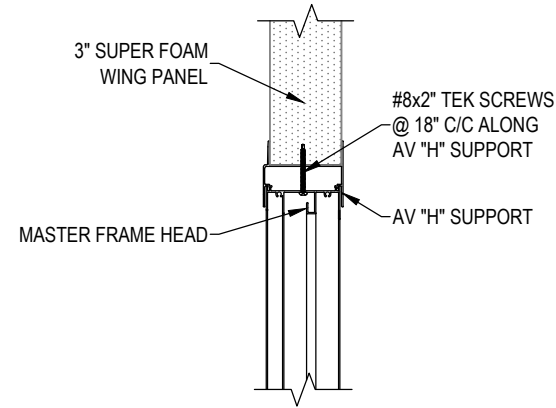
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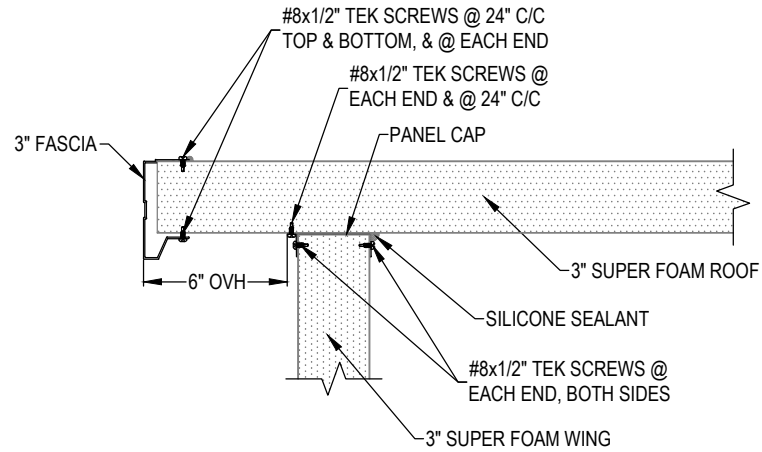
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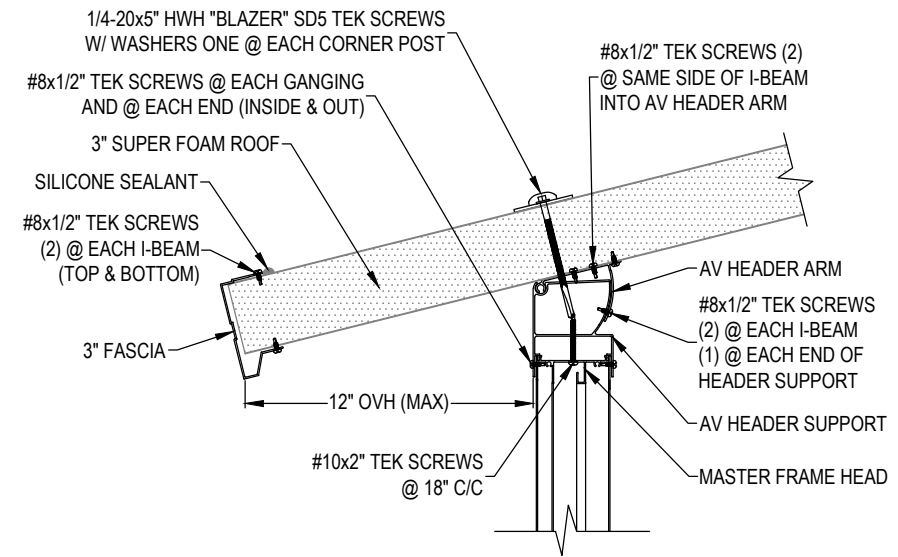




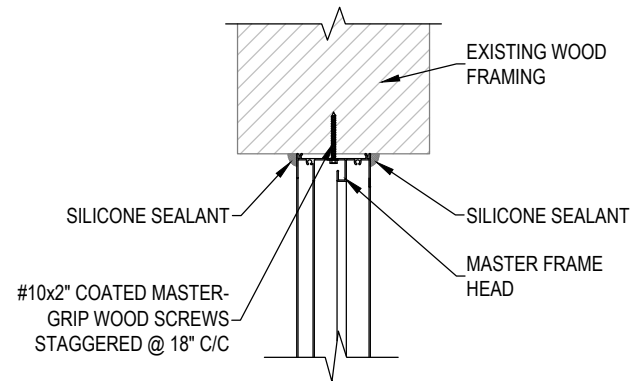
8 SECTION THROUGH MASTER FRAME HEAD CONNECTION @ FOAM WING



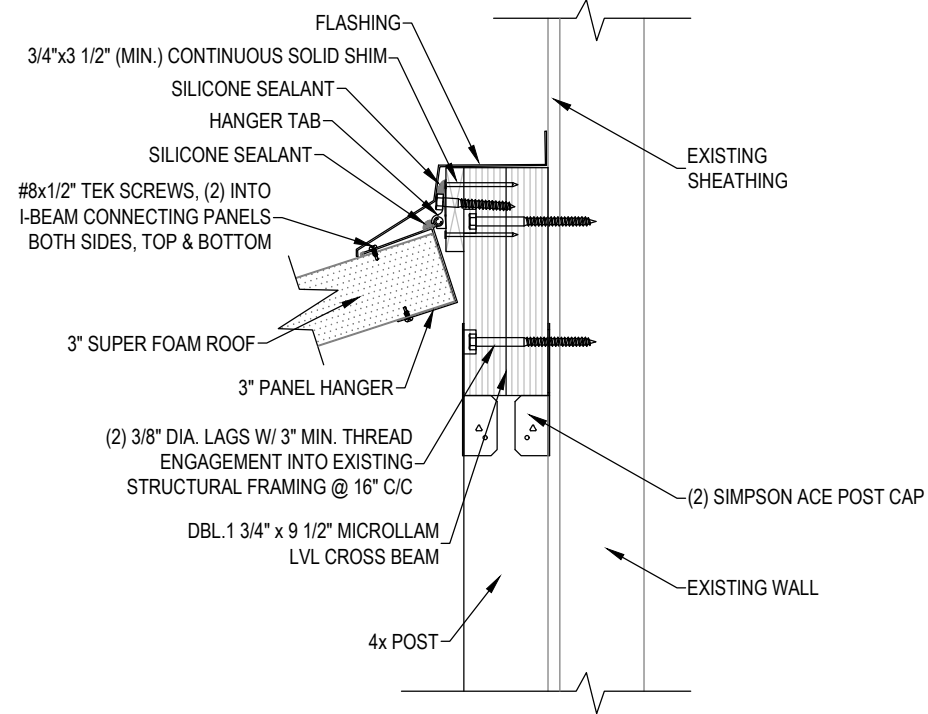
9 SECTION THROUGH 3" SUPER FOAM ROOF PANEL CONNECTION @ 3" SUPER FOAM WING PANEL



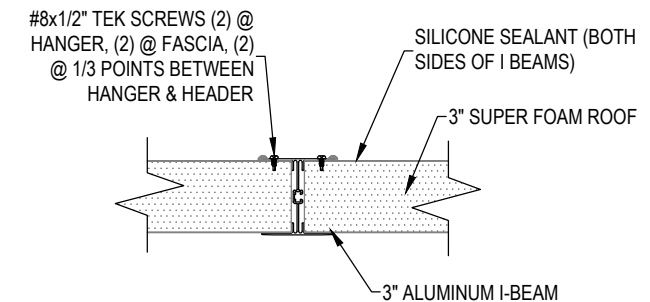
10 SECTION THROUGH MASTER FRAME & HEADER CONNECTION @ 3" SUPER FOAM ROOF



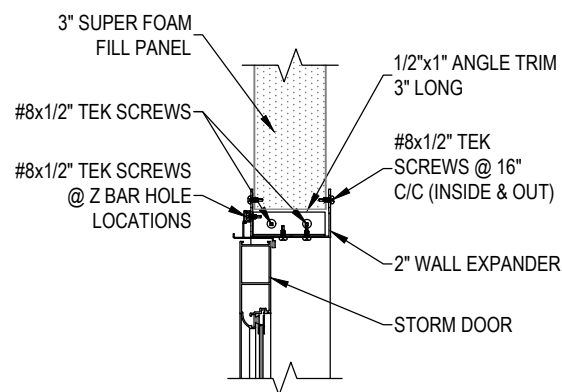
11 SECTION THROUGH MASTER FRAME HEAD CONNECTION @ EXISTING HEADER



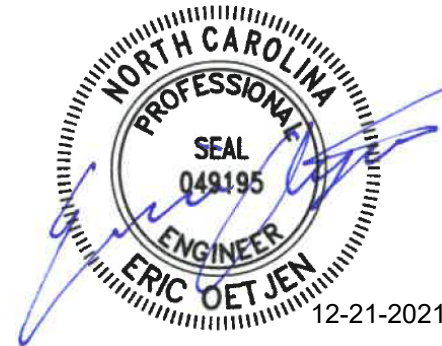
13 SECTION THROUGH 3" SUPER FOAM ROOF & PANEL HANGER ASSEMBLY CONNECTION @ EXISTING WALL



14 SECTION THROUGH 3" ROOF CONNECTION @ I-BEAM



12 SECTION THROUGH STORM DOOR CONNECTION @ FOAM FILL PANEL



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