



GREAT DAY IMPROVEMENTS, RALEIGH  
COUNCILL 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 (CA5) SUNROOM; WHITE IN COLOR
2. CONSTRUCT SUNROOM ON EXISTING DECK
3. NO HEAT OR 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)

<u>DRAWING #</u>	<u>DESCRIPTION</u>
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	DECK PLAN
5	FLOOR PLAN
6	ROOF PLAN
7	SYSTEM DETAILS
8	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 = 168**



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

KEITH COUNCILL  
267 BLANCHARD ROAD  
SANFORD, NC 27332  
JOB #20636

REV. A 9/22/22

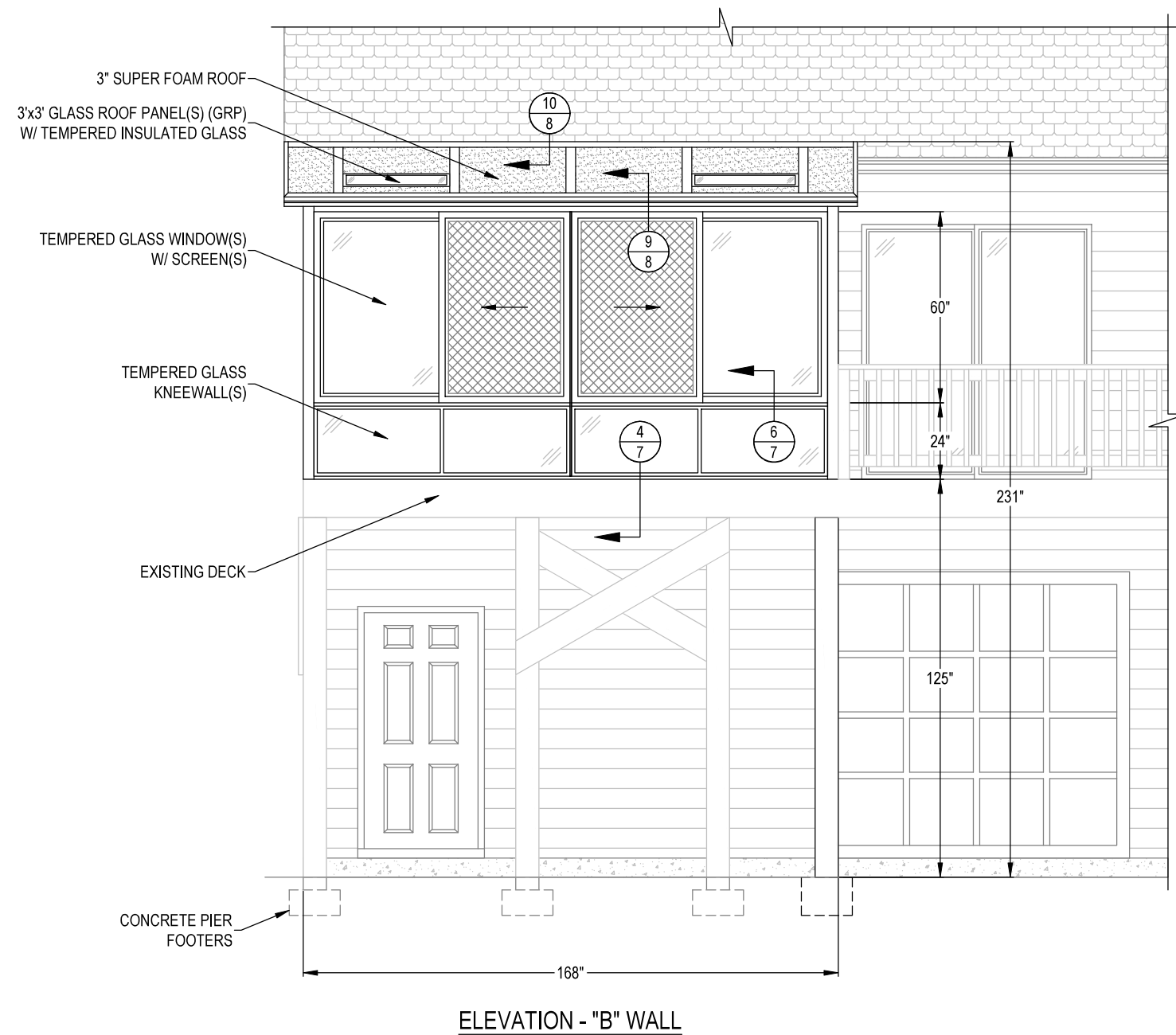
DATE  
9/19/22

DRAWN  
MTS

SCALE  
1/4" = 1'-0"

SHEET  
1 OF 8

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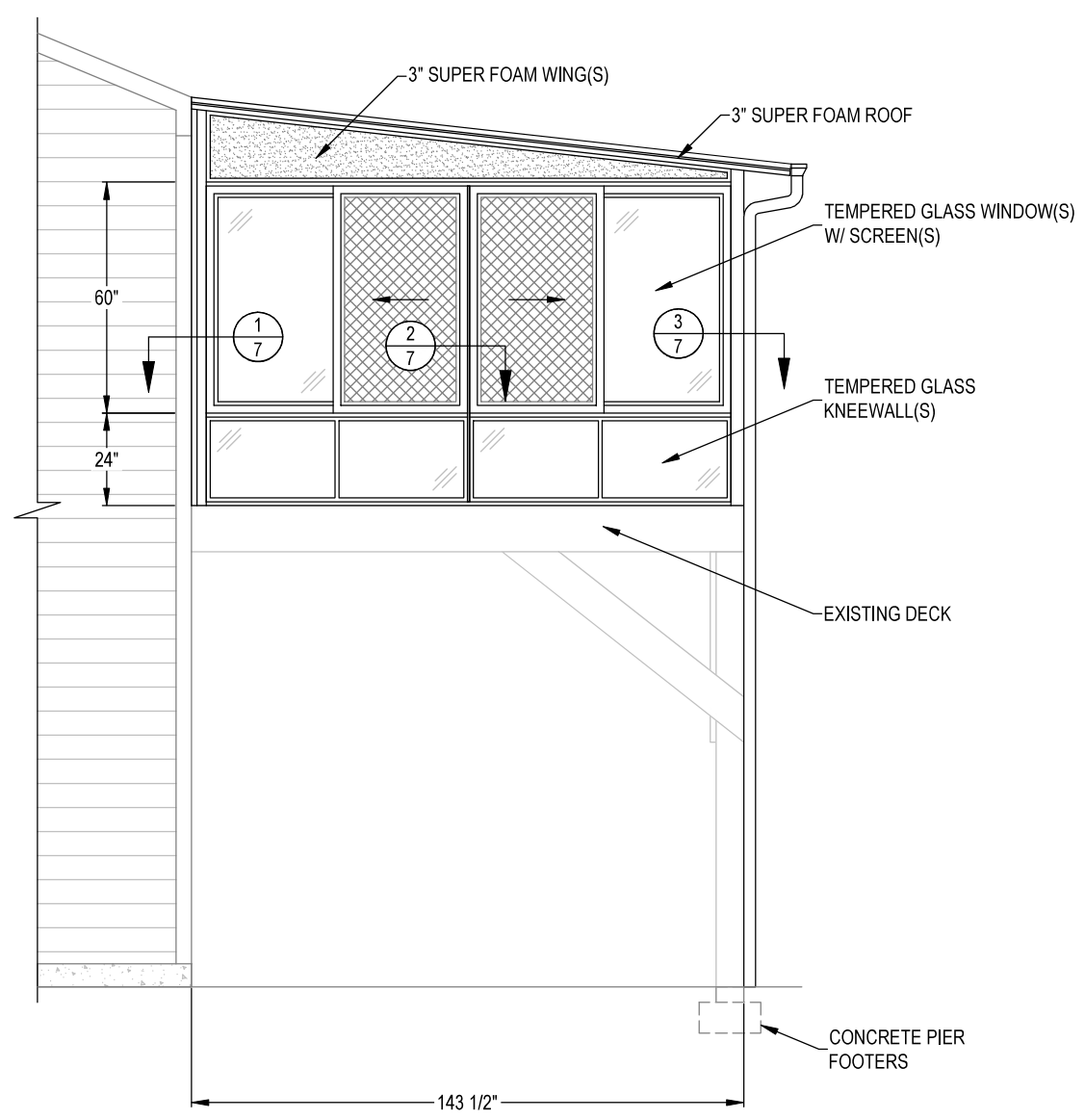
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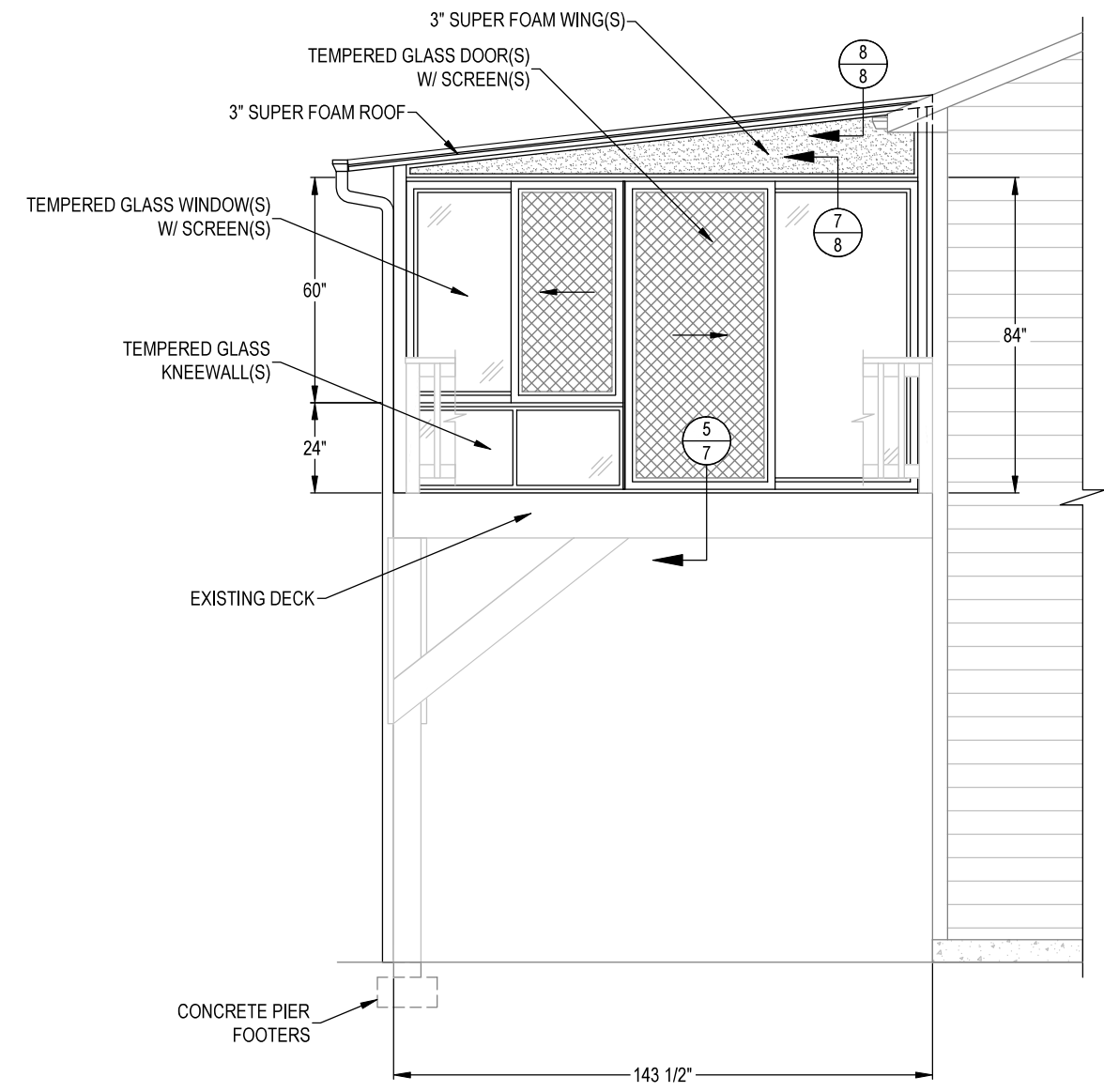
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SCALE	1/4" = 1'-0"		
SHEET	2 OF 8		

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ELEVATION - "A" WALL



ELEVATION - "C" WALL



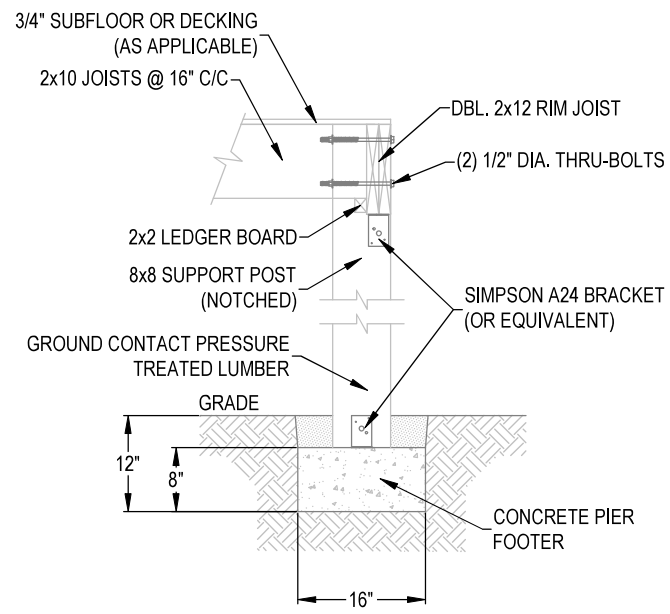
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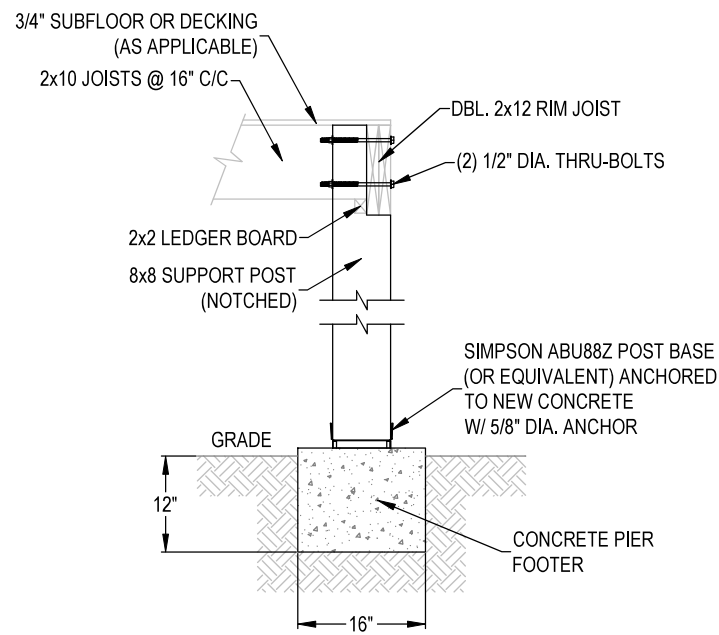
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SCALE	1/4" = 1'-0"		
SHEET	3 OF 8		

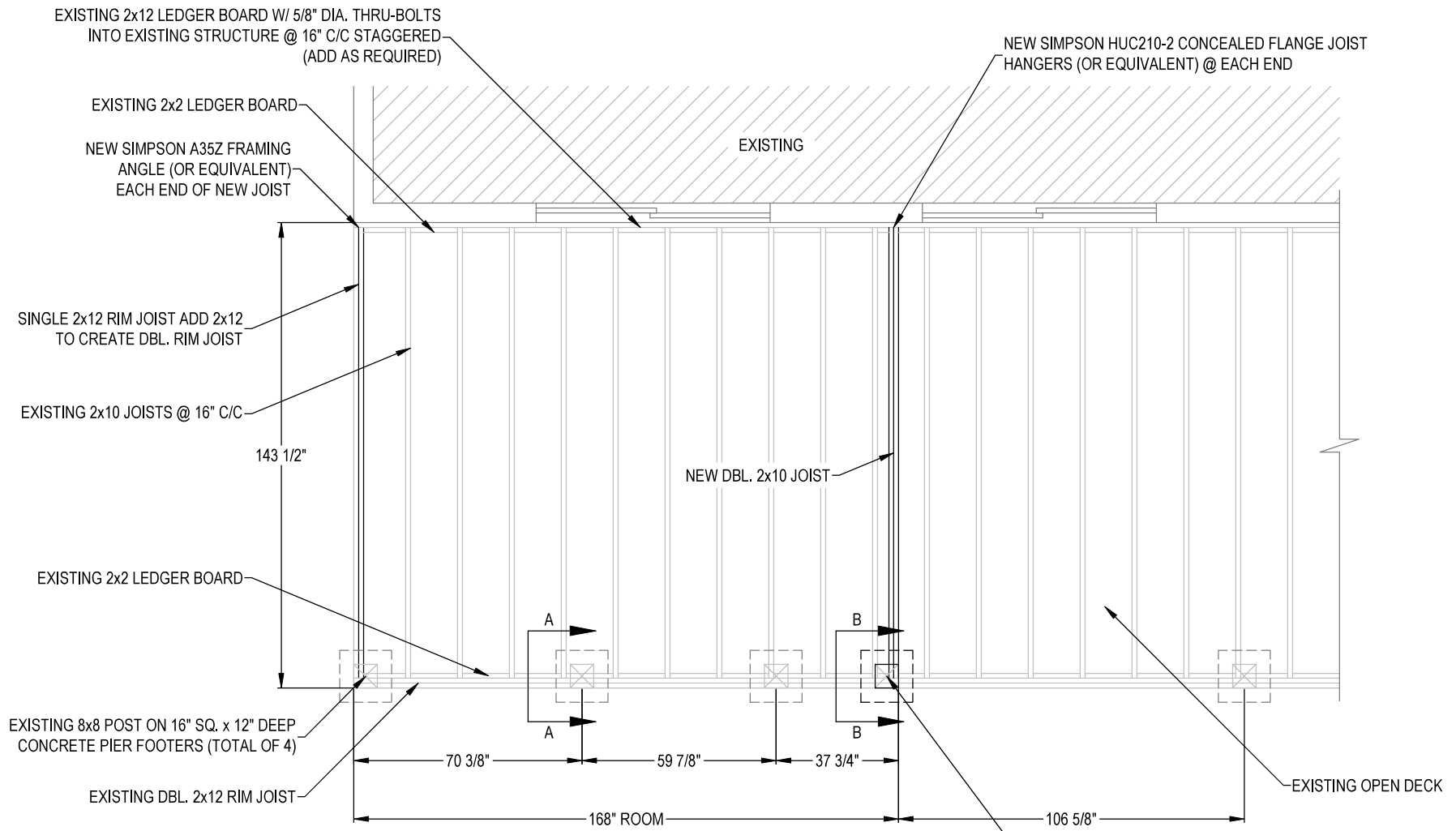
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SECTION A-A  
SCALE: 1/2" = 1'-0"

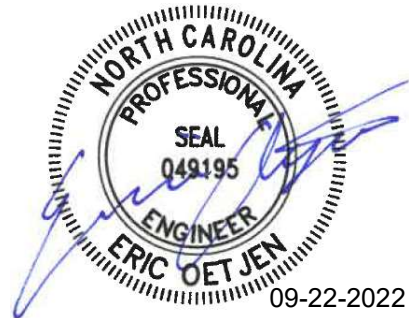


SECTION B-B  
SCALE: 1/2" = 1'-0"



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

NOTE: ALL DECK LUMBER IS PRESSURE TREATED SOUTHERN YELLOW PINE



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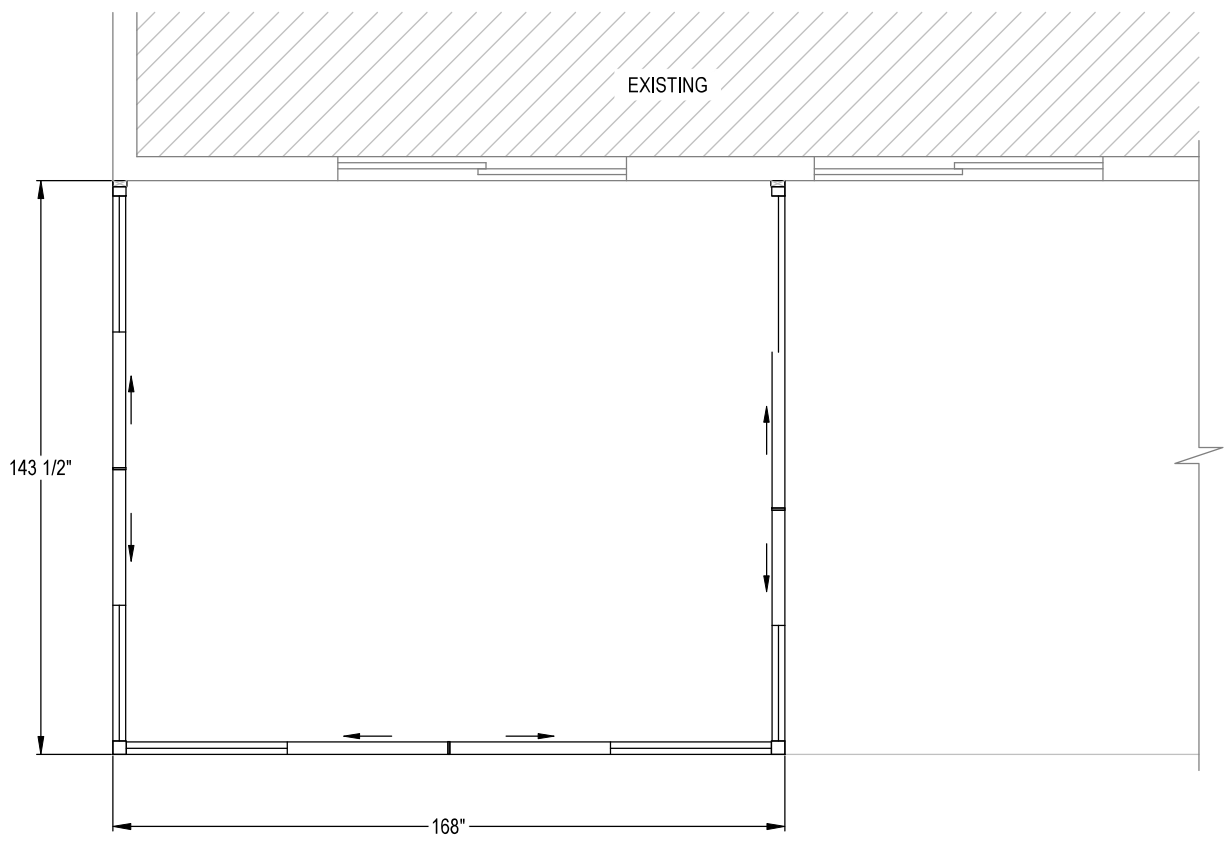
DATE  
9/19/22

DRAWN  
MTS

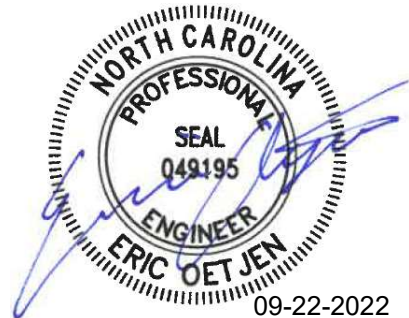
SCALE  
AS NOTED

SHEET  
4 OF 8

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FLOOR PLAN

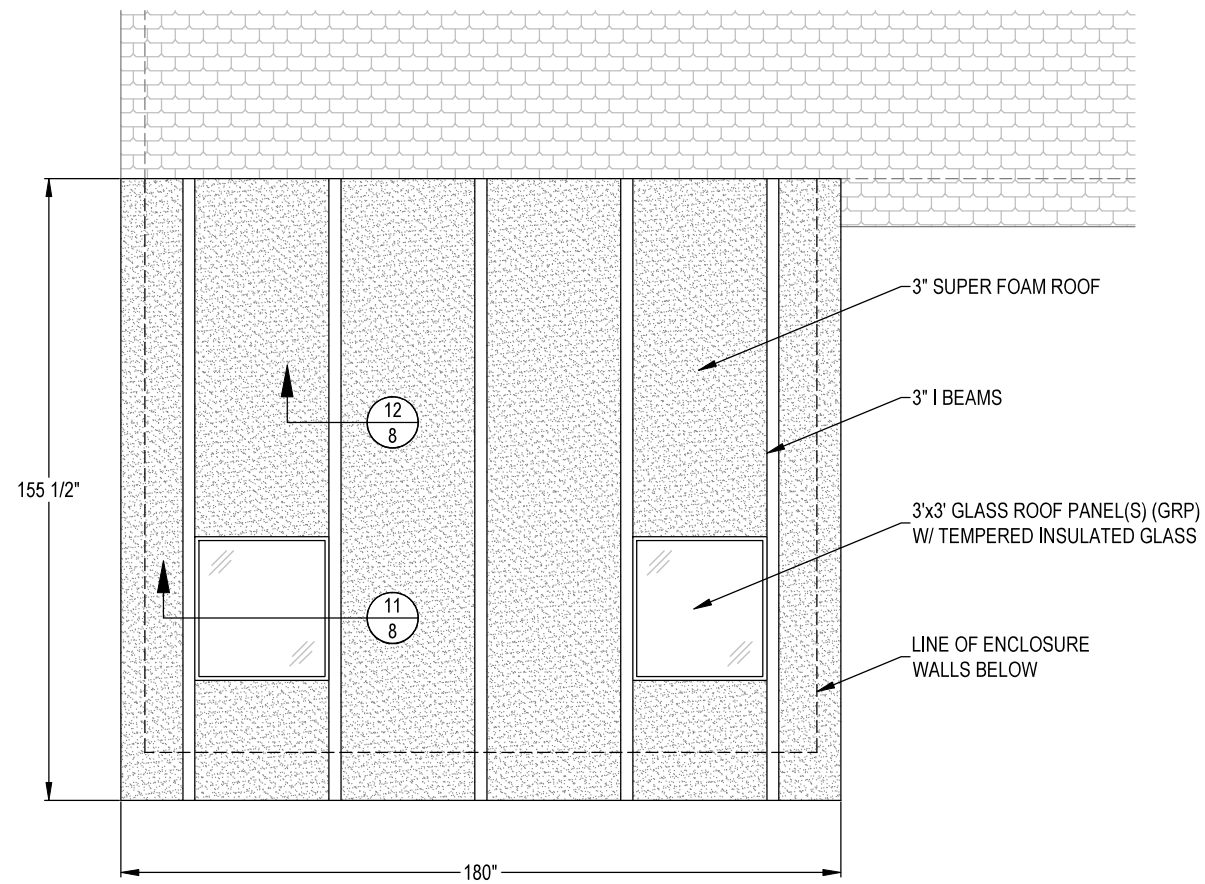


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SCALE	1/4" = 1'-0"		
SHEET	5 OF 8		
KEITH COUNCILL 267 BLANCHARD ROAD SANFORD, NC 27332 JOB #20636		LOCATION GDI - RALEIGH 951 AVIATION PKWY, SUITE 1000 MORRISVILLE, NC 27560 984-212-8850	

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ROOF PLAN



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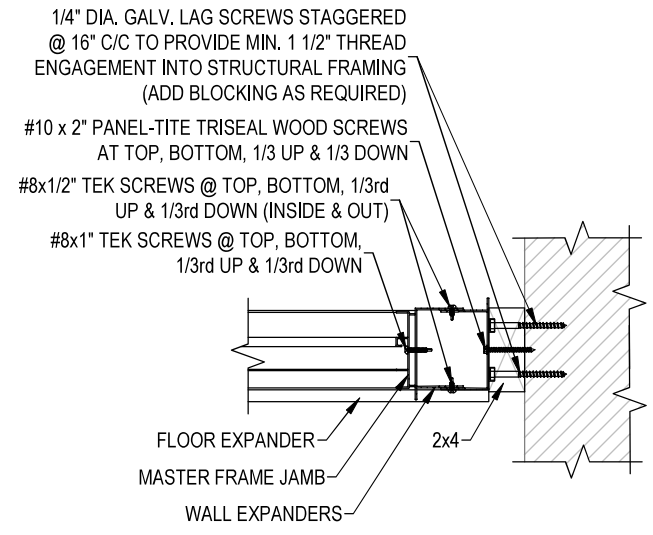
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SHEET	6 OF 8		

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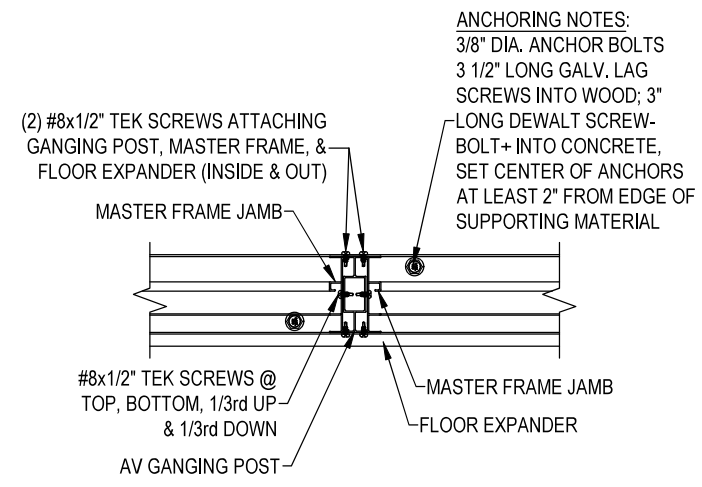
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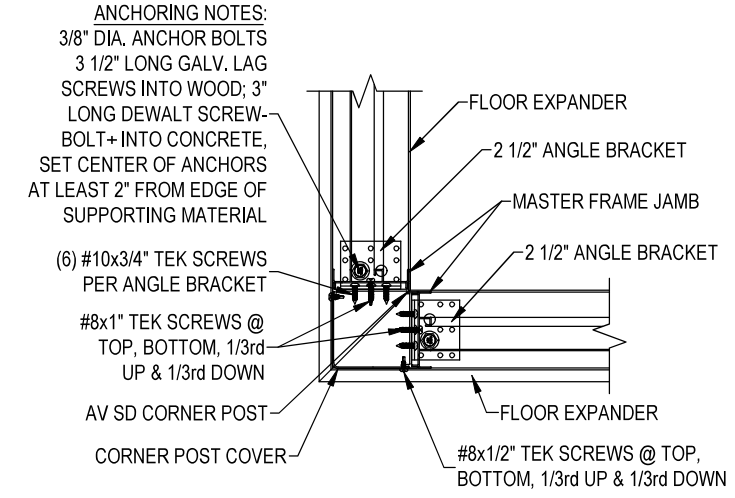
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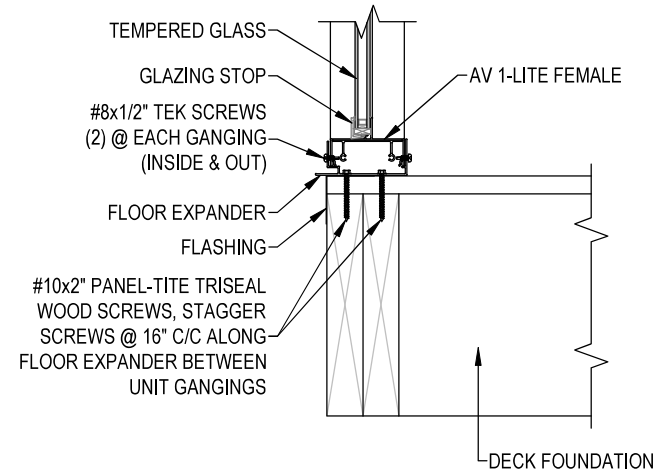
1 PLAN VIEW OF MASTER FRAME JAMB & DBL. EXPANDER CONNECTION @ EXISTING WALL



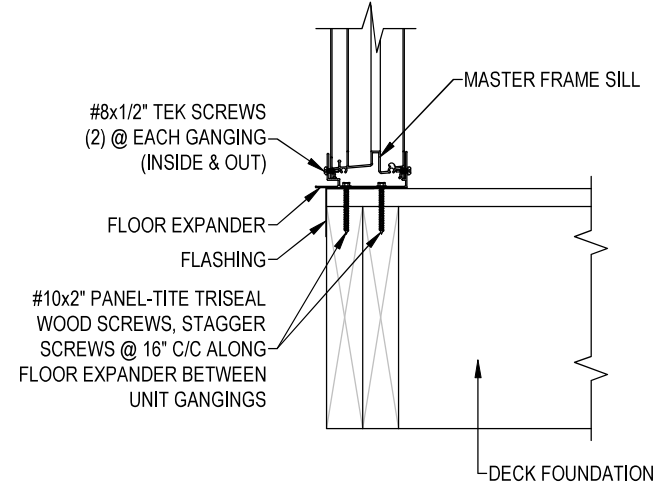
2 PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ GANGING POST



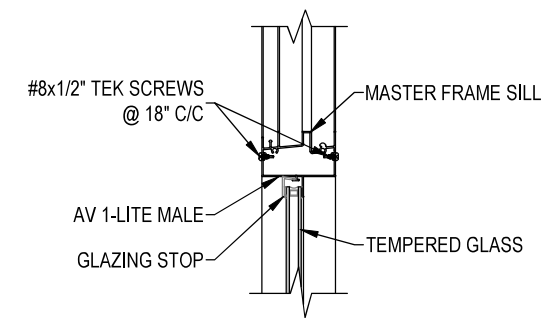
3 PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ CORNER POST



4 SECTION THROUGH GLASS KNEEWALL CONNECTION @ DECK FOUNDATION



5 SECTION THROUGH MASTER FRAME SILL CONNECTION @ DECK FOUNDATION



6 SECTION THROUGH MASTER FRAME SILL CONNECTION @ GLASS KNEEWALL



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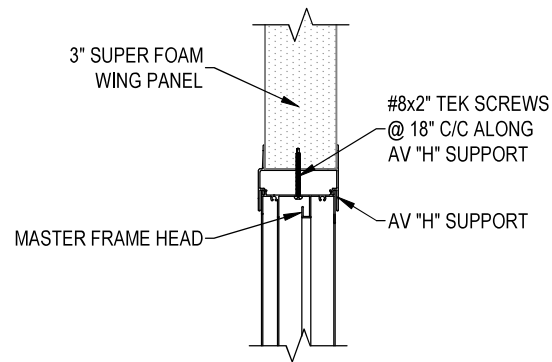
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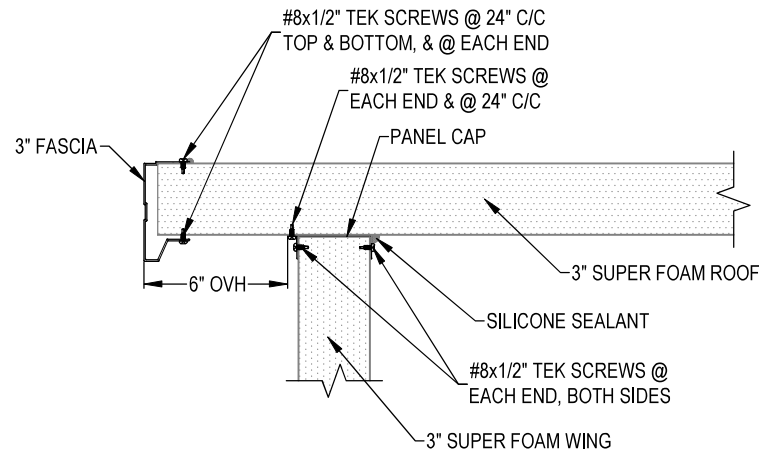
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SHEET 7 OF 8

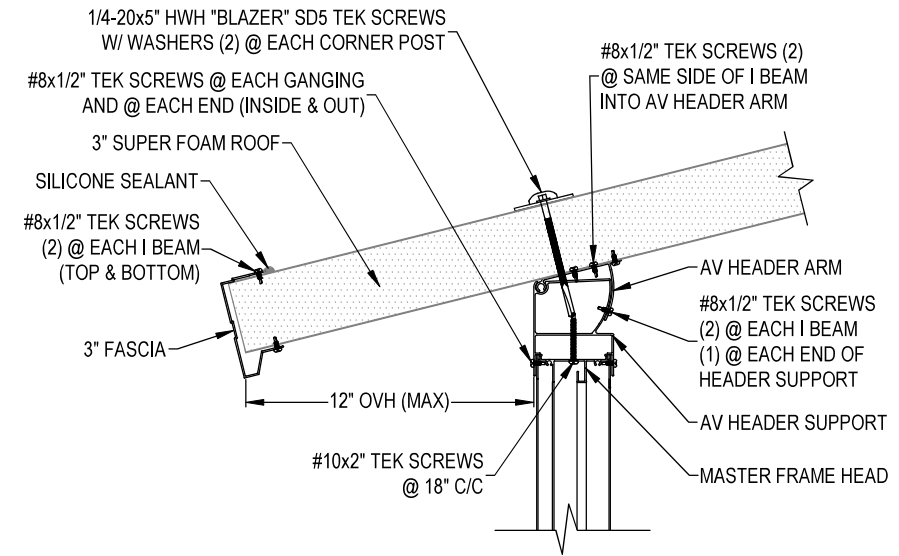
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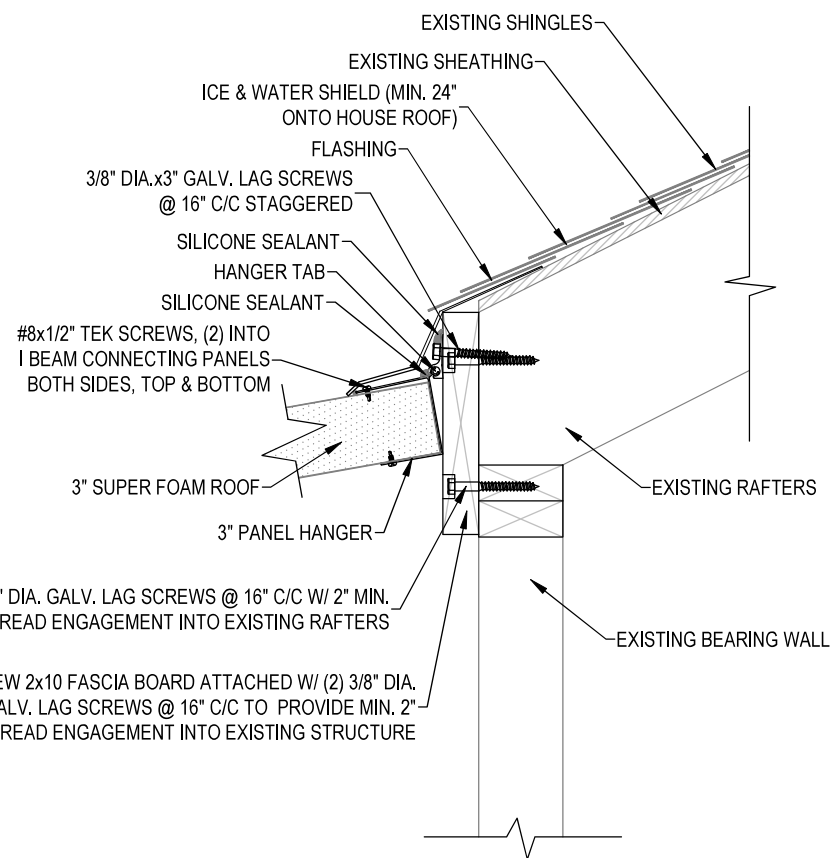
7 SECTION THROUGH MASTER FRAME HEAD CONNECTION @ FOAM WING



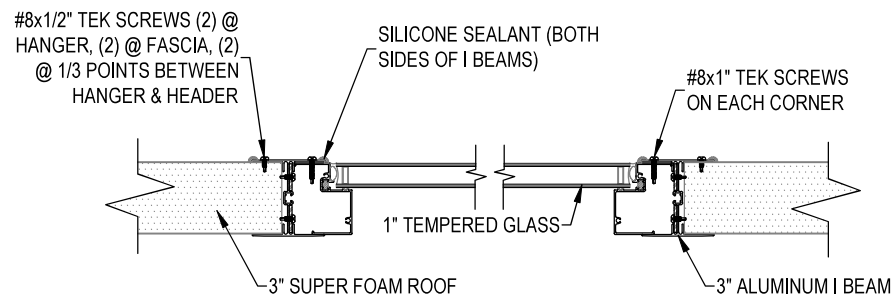
8 SECTION THROUGH 3\"/>



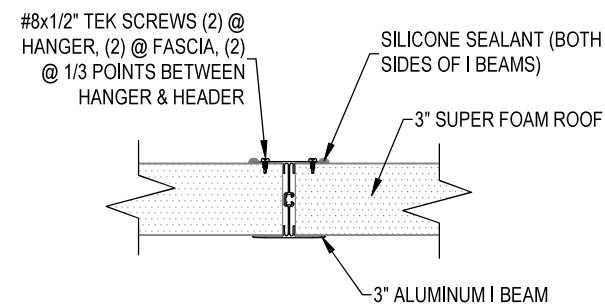
9 SECTION THROUGH MASTER FRAME & HEADER CONNECTION @ 3\"/>



10 SECTION THROUGH 3\"/>



11 SECTION THROUGH 3\"/>



12 SECTION THROUGH 3\"/>



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SHEET 8 OF 8

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