



GREAT DAY IMPROVEMENTS, RALEIGH
GRISHAW 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: 30 PSF
2. FLOOR: 40 PSF

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

NOTES:

1. ALLVIEW (AVI) 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)

<u>DRAWING #</u>	<u>DESCRIPTION</u>
1	COVER
2	ELEVATION "B" WALL
3	ELEVATION "A" & "C" WALL
4	DECK 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 = 176



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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

LINDA GRISHAW
134 ASHEFORD WAY
CAMERON, NC 28326
JOB # 20502

REV. A 3/11/22

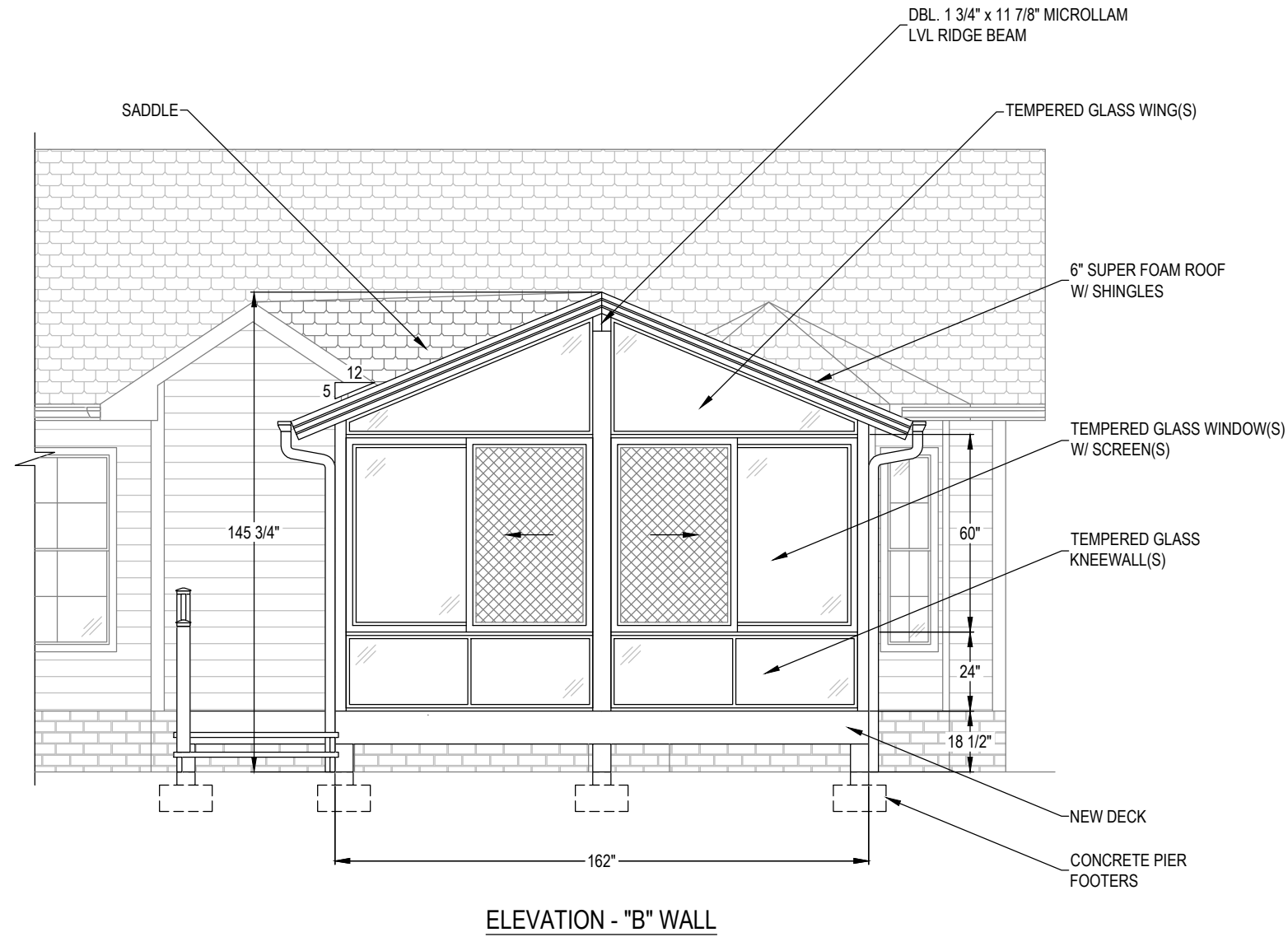
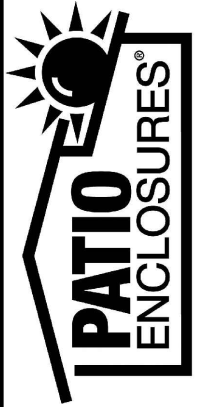
DATE
3/8/22

DRAWN
PIH

SCALE
1/4" = 1'-0"

SHEET
1 OF 9

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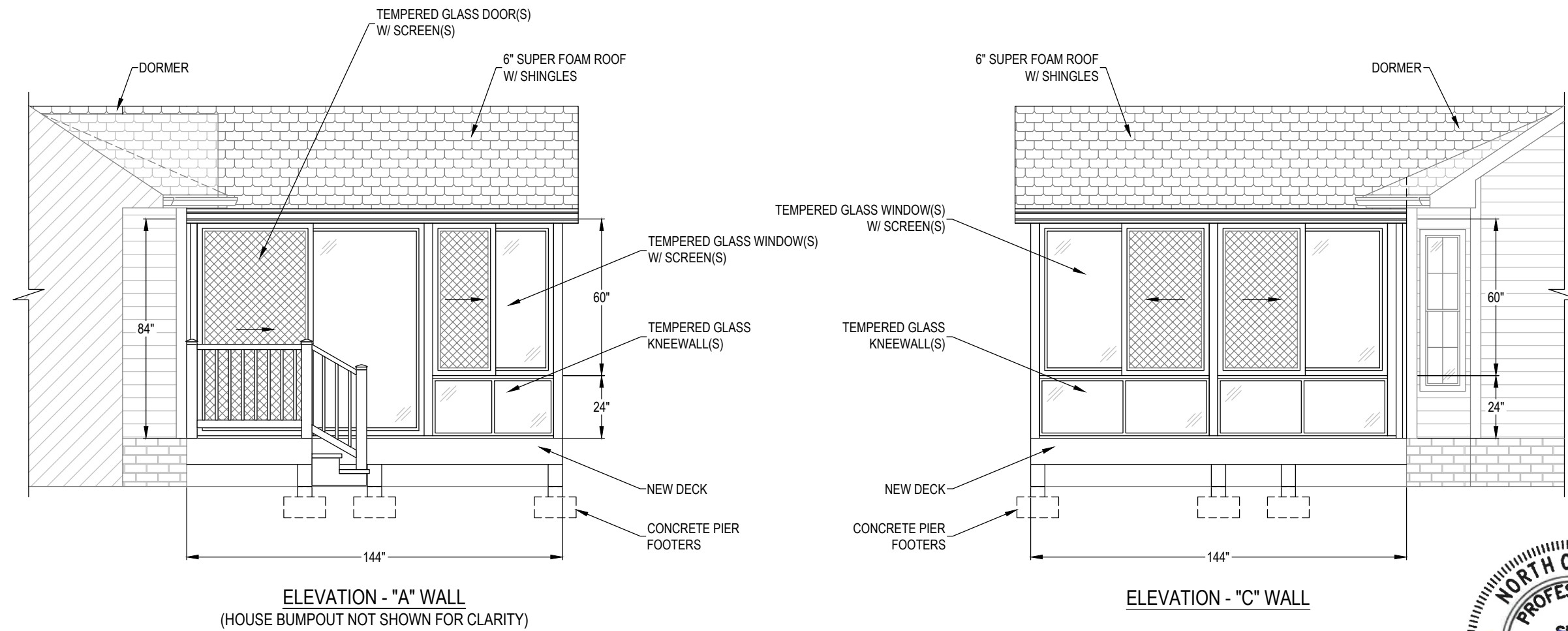
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DRAWN PIH
 SCALE 1/4" = 1'-0"
 SHEET 2 OF 9

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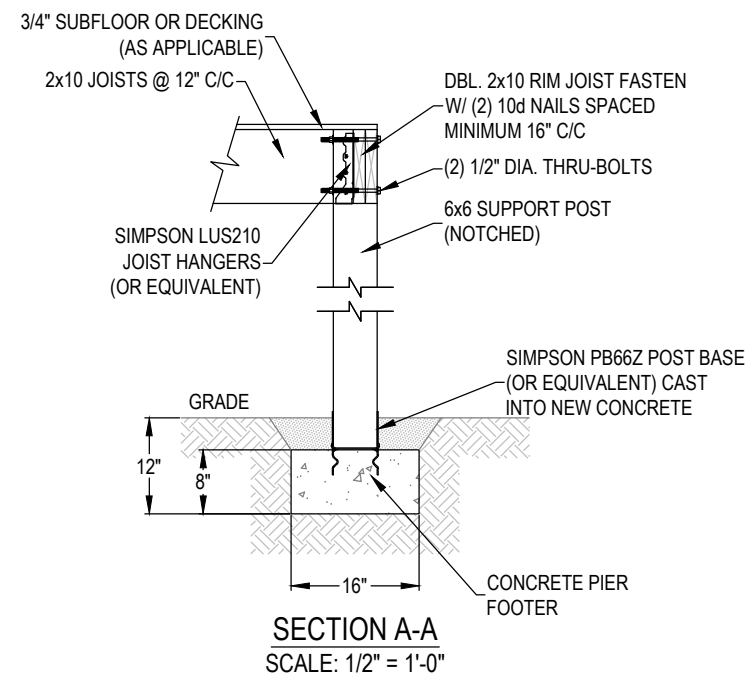
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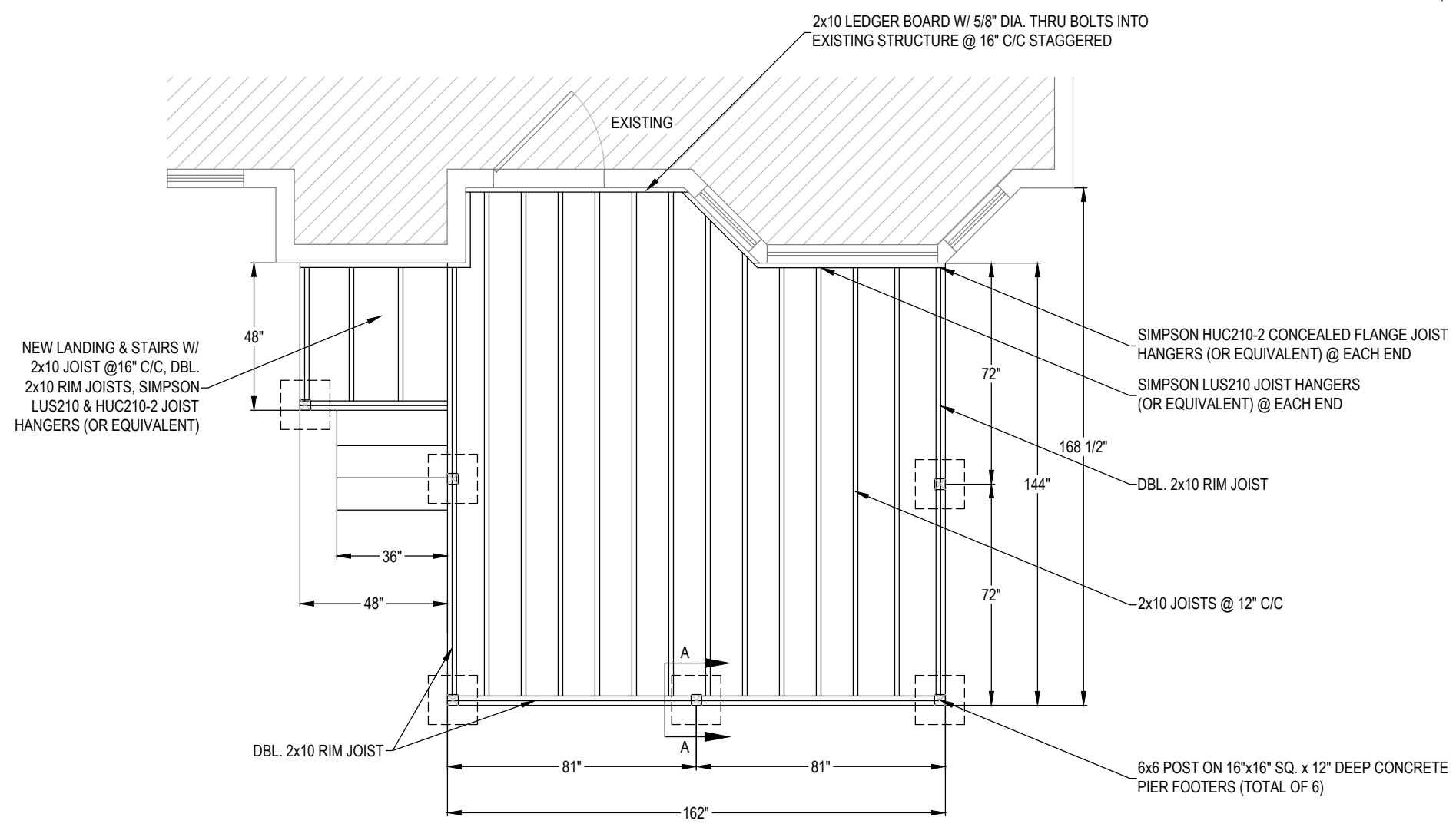
SCALE AS NOTED

SHEET 4 OF 9

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



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



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NOTE: ALL DECK LUMBER IS PRESSURE TREATED SOUTHERN YELLOW PINE

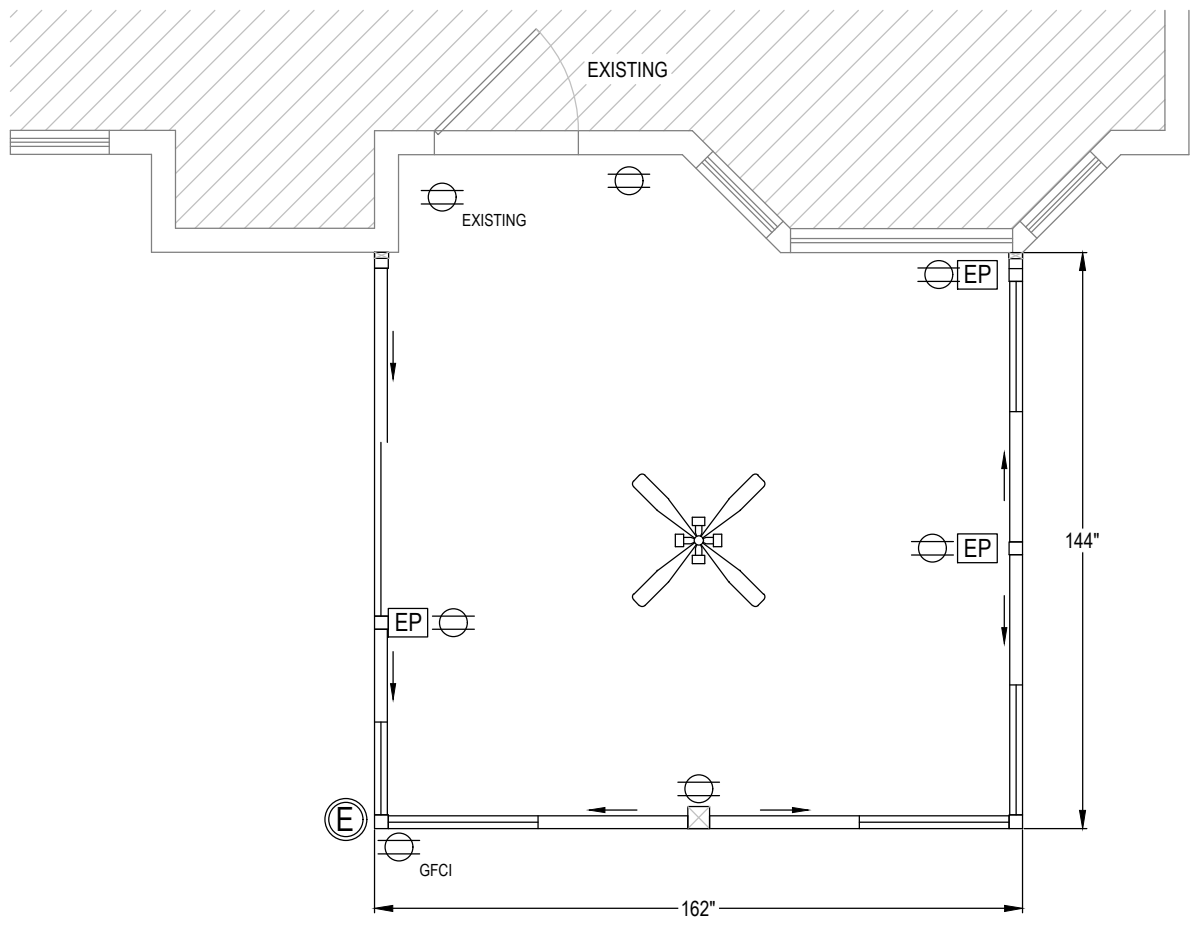


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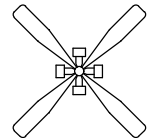
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DRAWN	PIH		
SCALE	1/4" = 1'-0"		
SHEET	5 OF 9		

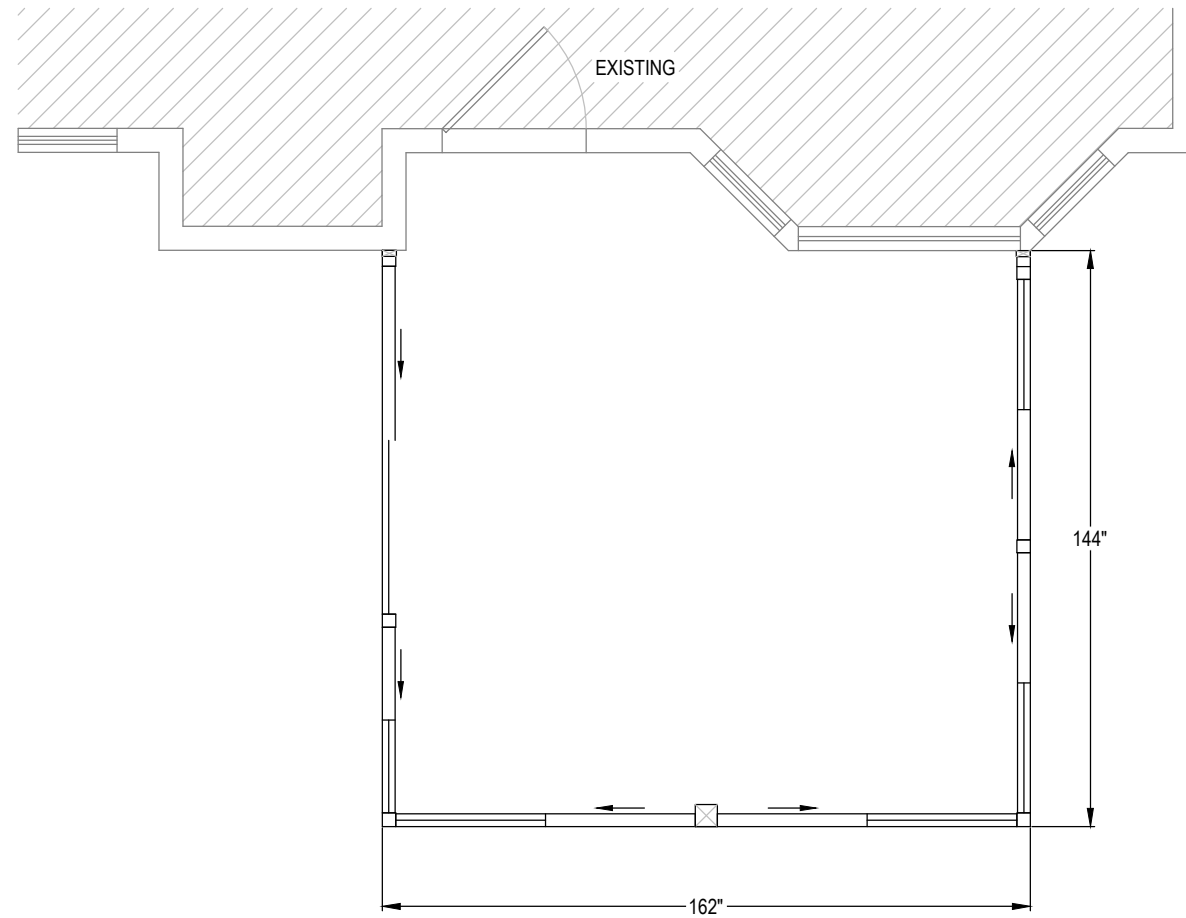
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ELECTRICAL PLAN

GDI ELECTRICAL SYMBOL LEGEND

-  ELECTRICAL RACEWAY POST
-  DUPLEX RECEPTACLE
-  GFCI DUPLEX RECEPTACLE
-  EXIT LIGHT
-  CEILING FAN W/ LIGHT



FLOOR PLAN



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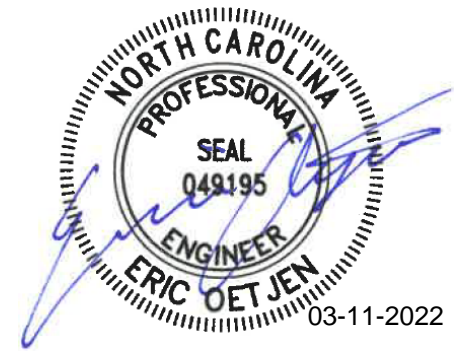
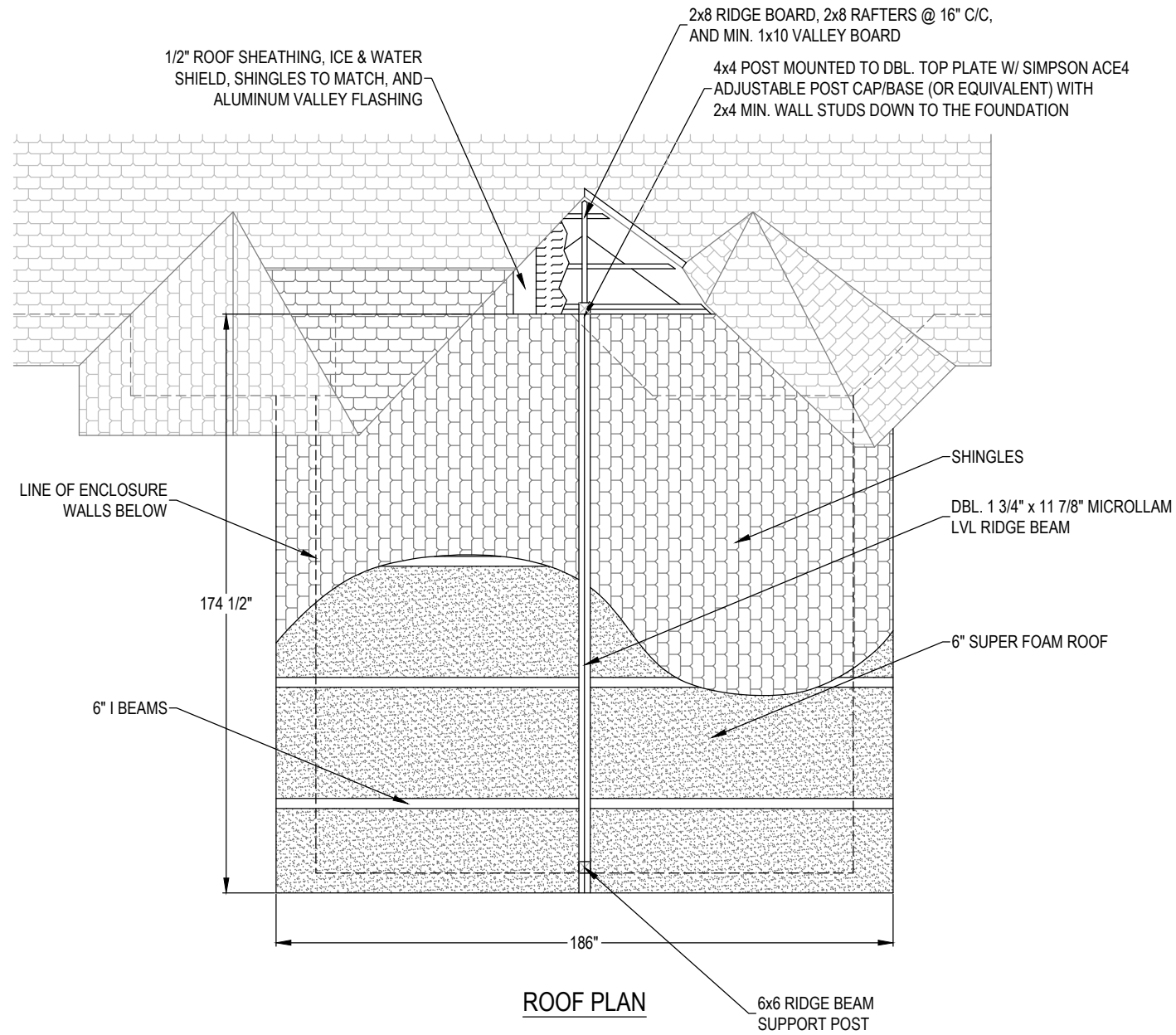
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SHEET	6 OF 9

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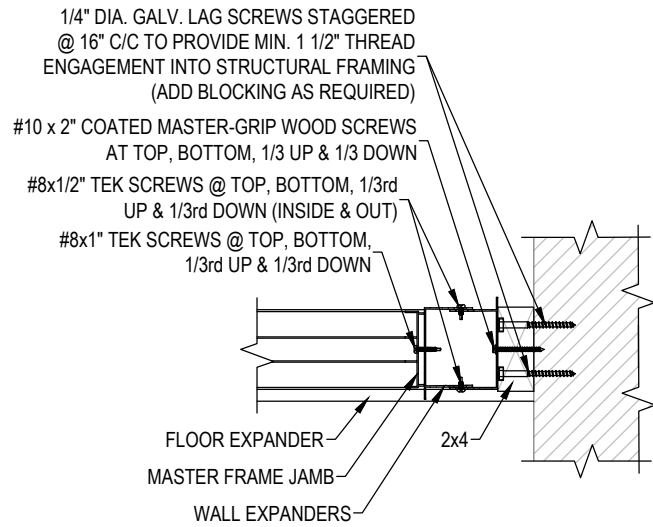
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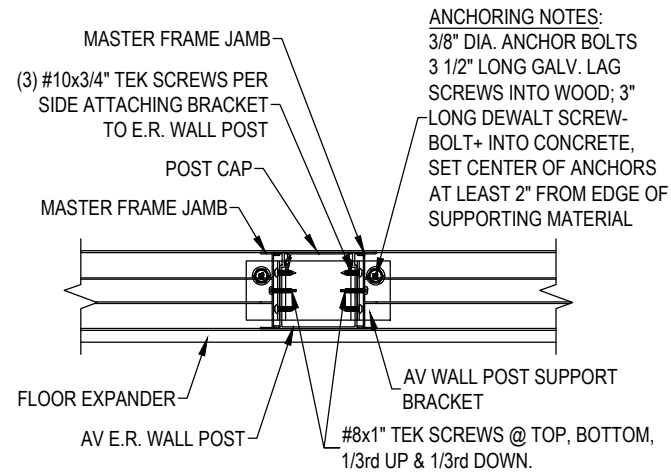
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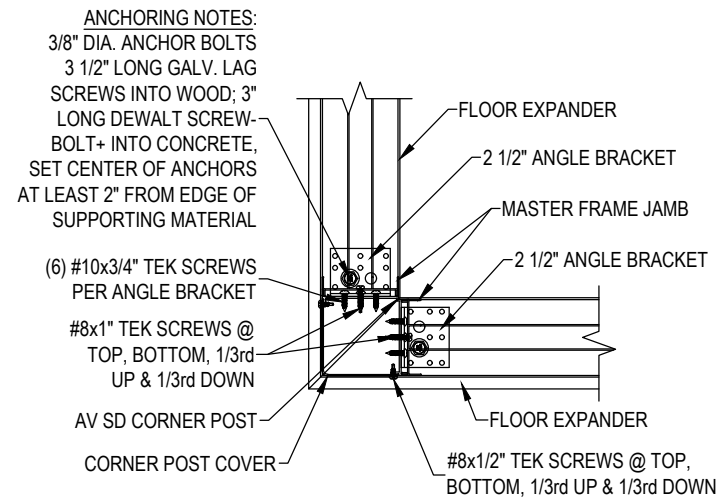
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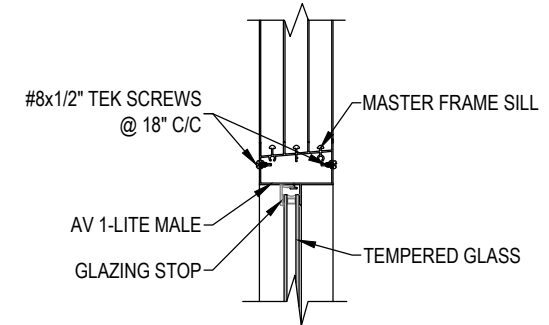
PLAN VIEW OF MASTER FRAME JAMB & DBL. EXPANDER CONNECTION @ EXISTING WALL



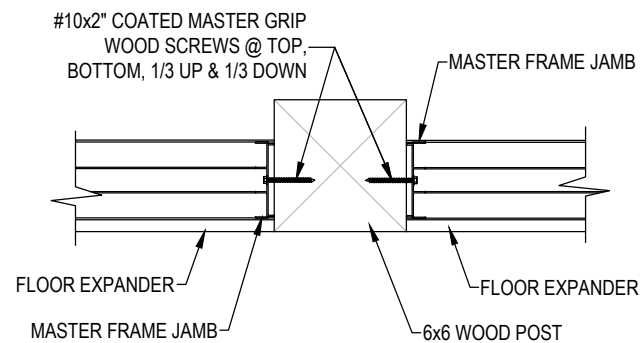
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ AV E.R. WALL POST



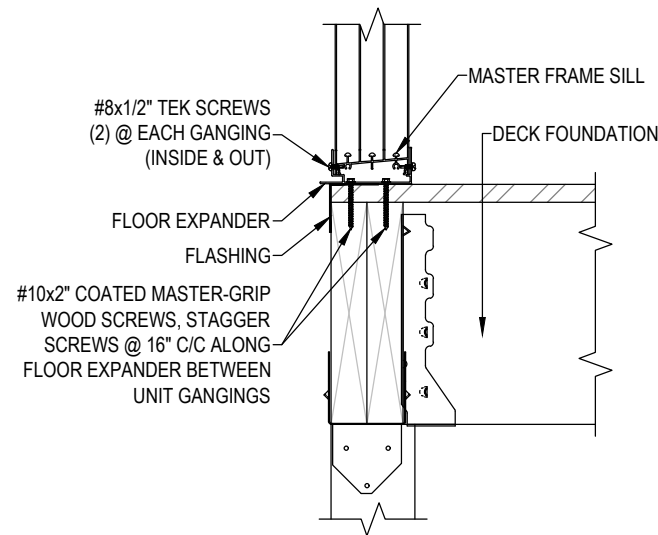
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ CORNER POST



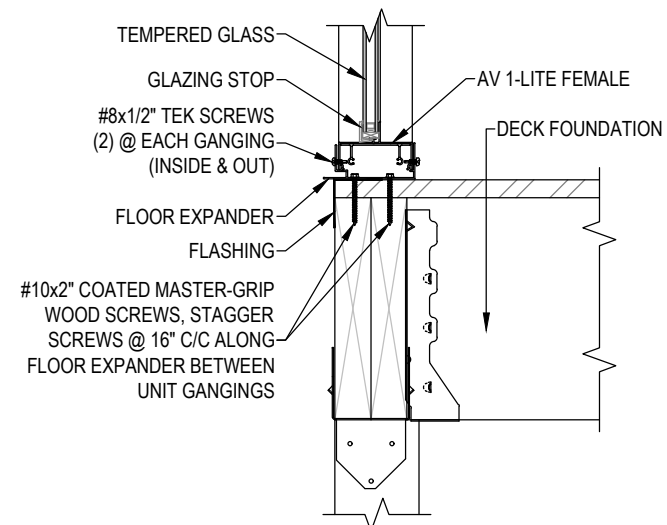
SECTION THROUGH MASTER FRAME SILL CONNECTION @ GLASS KNEEWALL



PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ 6x6 WOOD POST



SECTION THROUGH MASTER FRAME SILL CONNECTION @ DECK FOUNDATION



SECTION THROUGH GLASS KNEEWALL CONNECTION @ DECK FOUNDATION



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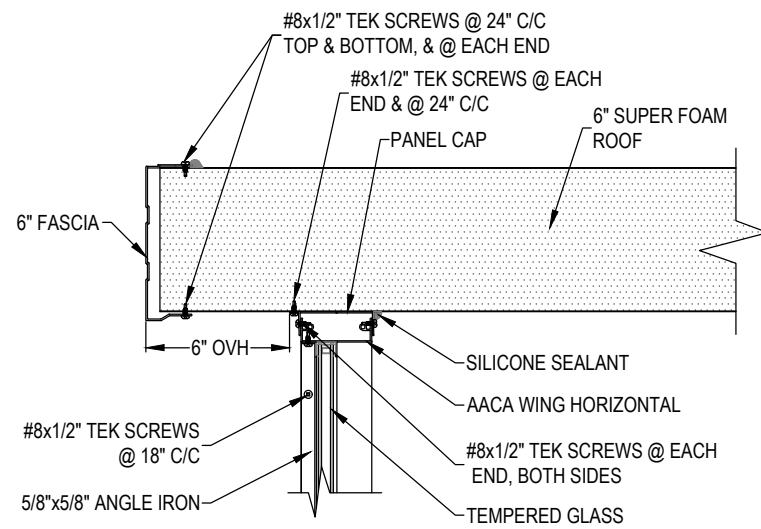
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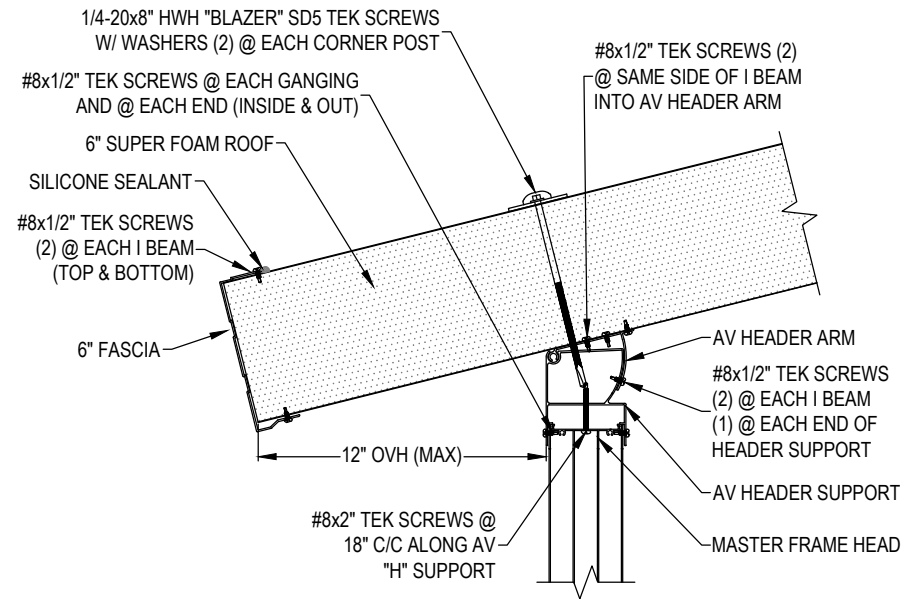
SCALE 1 1/2" = 1'-0"

SHEET 9 OF 9

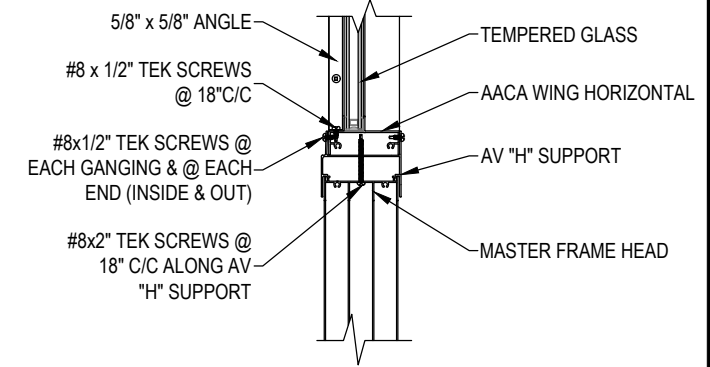
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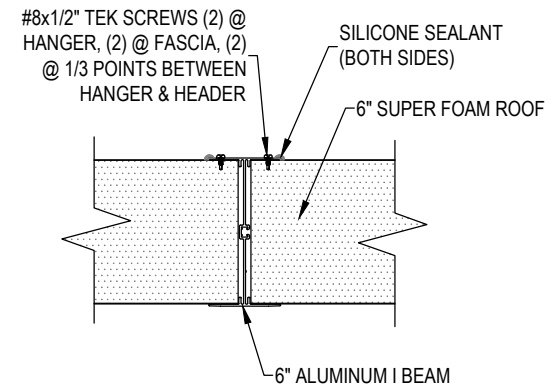
SECTION THROUGH 6" SUPER FOAM ROOF
PANEL CONNECTION @ GLASS WING



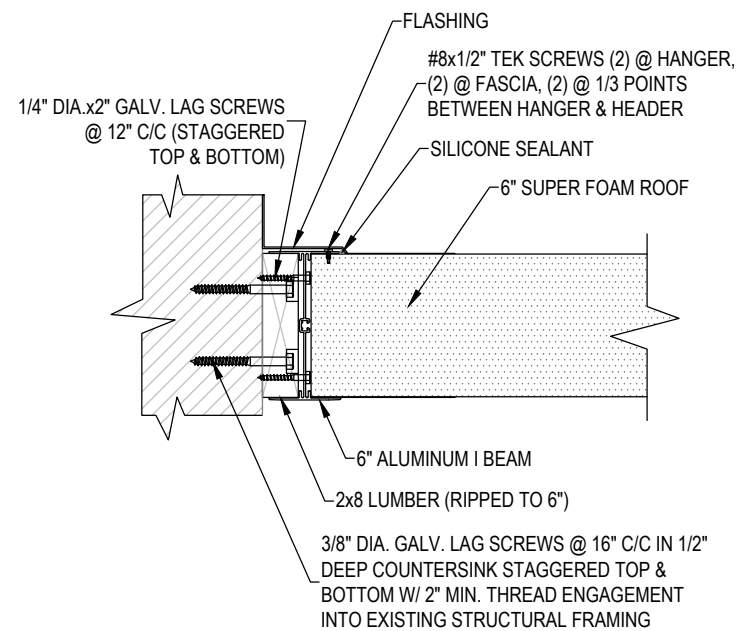
SECTION THROUGH MASTER FRAME & HEADER
CONNECTION @ 6" SUPER FOAM ROOF



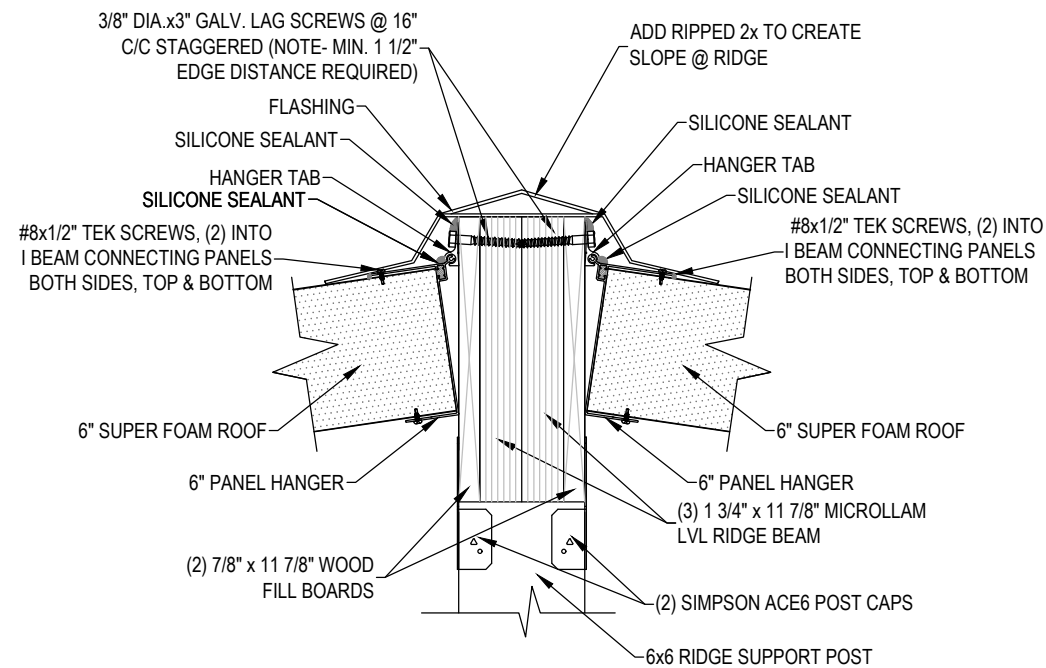
SECTION THROUGH "H" & MASTER FRAME
HEAD CONNECTION @ GLASS WING



SECTION THROUGH 6" ROOF
CONNECTION @ I BEAM



6" ROOF PANEL & I BEAM
CONNECTION @ EXISTING WALL



SECTION THROUGH 6" SUPER FOAM ROOF & PANEL
HANGER ASSEMBLY CONNECTION @ RIDGE BEAM



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