

APPLICABLE BUILDING CODES

2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE
 2015 INTERNATIONAL RESIDENTIAL CODE w/NC AMENDMENTS

CITY OF SANFORD OF ORDINANCES

MINIMUM DESIGN LOADS: PER 2018 NC RESIDENTIAL BUILDING CODE / 2015 IRC w/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 10 PSF

ULTIMATE DESIGN WIND SPEED: 118 MPH

LIVE LOADS:

1. ROOF: 40 PSF
2. FLOOR: 40 PSF

GREAT DAY IMPROVEMENTS LLC

SUNROOM ADDITION ON NEW DECK w/NEW PIERS

FOR WHITEN RESIDENCE

<u>DRAWING #</u>	<u>DESCRIPTION</u>
1	COVER
2	ELEVATION "A, B & C" WALLS
3	DECK PLAN & DETAIL
4	FLOOR PLAN
5	ROOF PLAN
6	DECK DETAILS
7	DECK DETAILS
8	SYSTEM DETAILS
9	SYSTEM DETAILS
10	SYSTEM DETAILS

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

NOTES:

1. ALL VIEW (AAS) SUNROOM, BRONZE IN COLOR
2. CONSTRUCT SUNROOM OVER NEW DECK & PIERS
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 2018 IRC SECTION N1102.1, NOTE 1.2)

THIS SUNROOM AND FOUNDATION HAVE BEEN EVALUATED FOR DESIGN LOADS REQUIRED BY THE IRC CODE. THIS INCLUDES ALL MATERIALS, COMPONENTS, CONNECTION, AND ATTACHMENTS WHEN CALCULATING THE LOAD REQUIREMENTS.

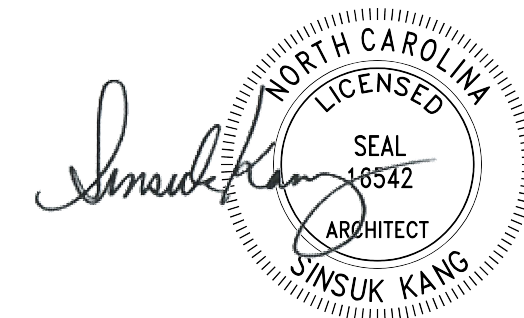
SAFETY NOTE:

ALL CONTRACTORS AND THEIR REPRESENTATIVES WORKING ON THIS PROJECT SHALL AT ALL ITEMS DURING THE COURSE OF THEIR ACTIVITY BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES, AS WELL AS OTHERS. EACH REPRESENTATIVE AND THEIR EMPLOYEES SHALL ASCERTAIN THAT THE CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO ACCOMPLISH THEIR WORK ARE SAFE AND WITHIN THE GOOD SAFETY PRACTICES AND ALL REGULATIONS OF THE OCCUPATIONAL SAFETY AND HAZARD ACT AND OTHER GOVERNING REGULATION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACT AND ALL SUB CONTRACTORS TO FIELD VERIFY EXISTING JOBSITE CONDITIONS AND TO KEEP THE JOBSITE SAFE DURING THE ENTIRE CONSTRUCTION PERIOD.

THE ARCHITECTS RESPONSIBILITY EXTEND ONLY AND SOLELY TO THE PREPARATION OF THESE DRAWINGS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR SUPERVISION OF ANY WORK NOR FOR ANY LIABILITY IN ERECTION, INSTALLATION AND/OR CONSTRUCTION DURING THE PERFORMANCE OF ANY WORK AS MAY BE REQUIRED BY THESE DRAWINGS. THE ARCHITECTS SCOPE OF WORK ON THIS PROJECT DOES NOT INCLUDE JOBSITE INSPECTIONS, FIELD VISITS DURING CONSTRUCTION AND/OR APPROVAL OF PAYOUT REQUESTS.

I HEREBY CERTIFY THAT THESE DRAWINGS HAVE BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE CONFORM TO THE REQUIREMENTS OF THE ZONING AND BUILDING ORDINANCES OF:

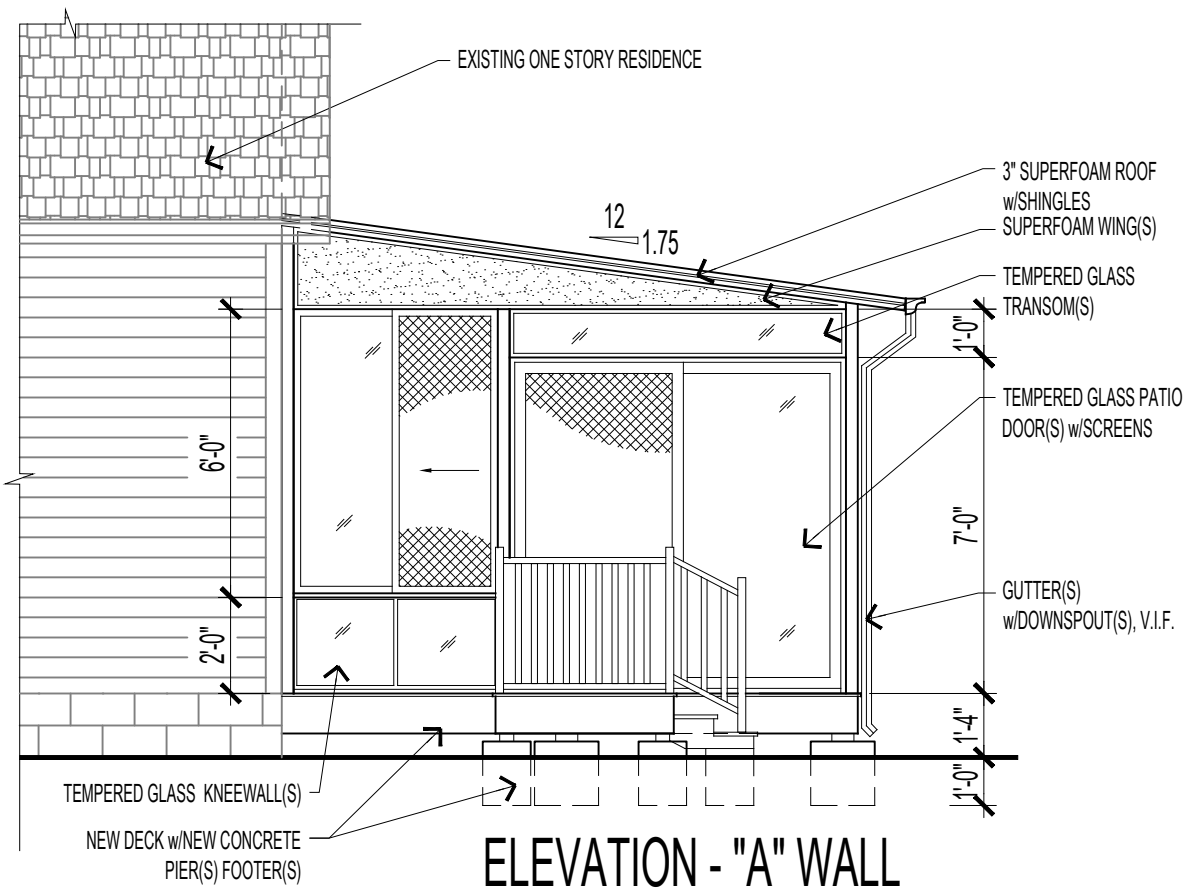
CITY OF SANFORD



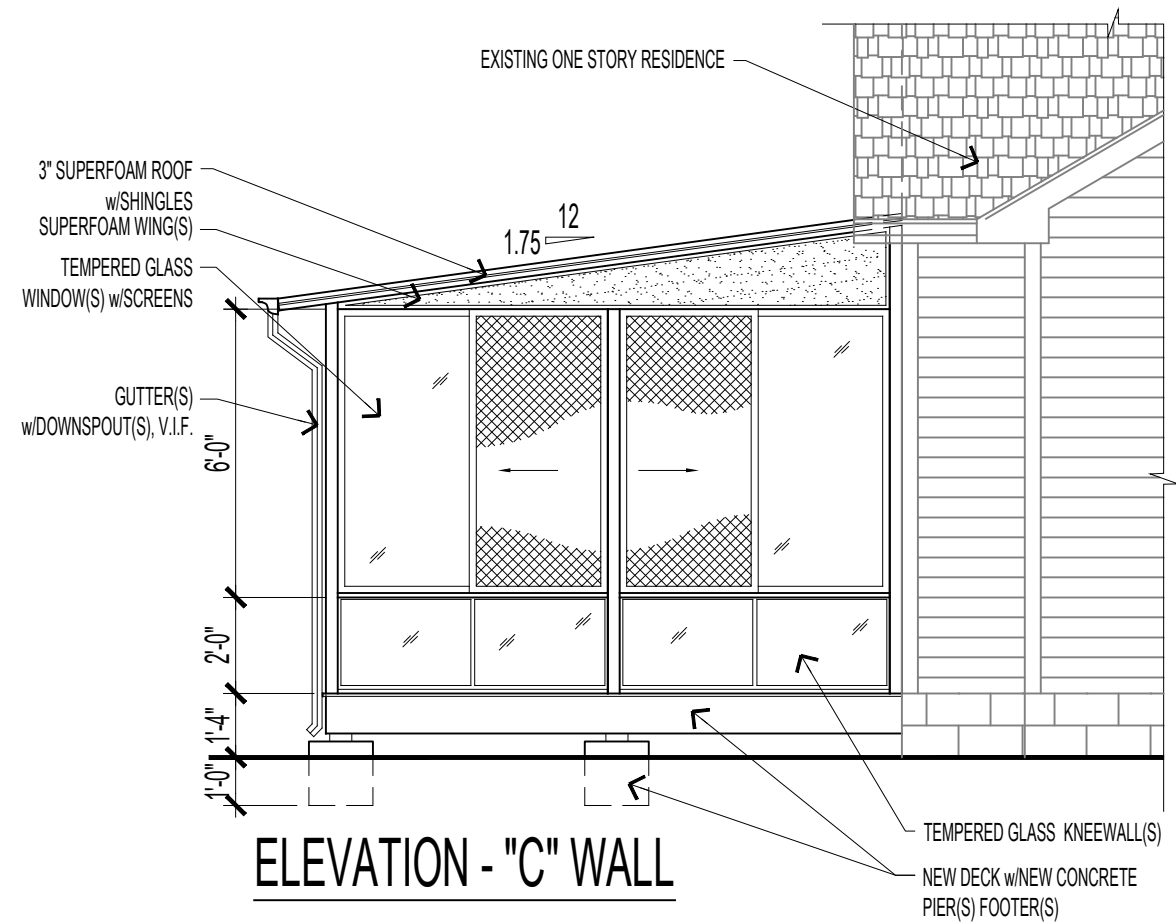
LOCATION
 GDI - RALIEGH
 951 AVIATION PARKWAY, SUITE 1000
 MORRISVILLE, NC 27560
 984-212-7488

LESLIE M. WHITEN
 37 MALLARD TRAIL
 SANFORD, NC 27332
 JOB #20848

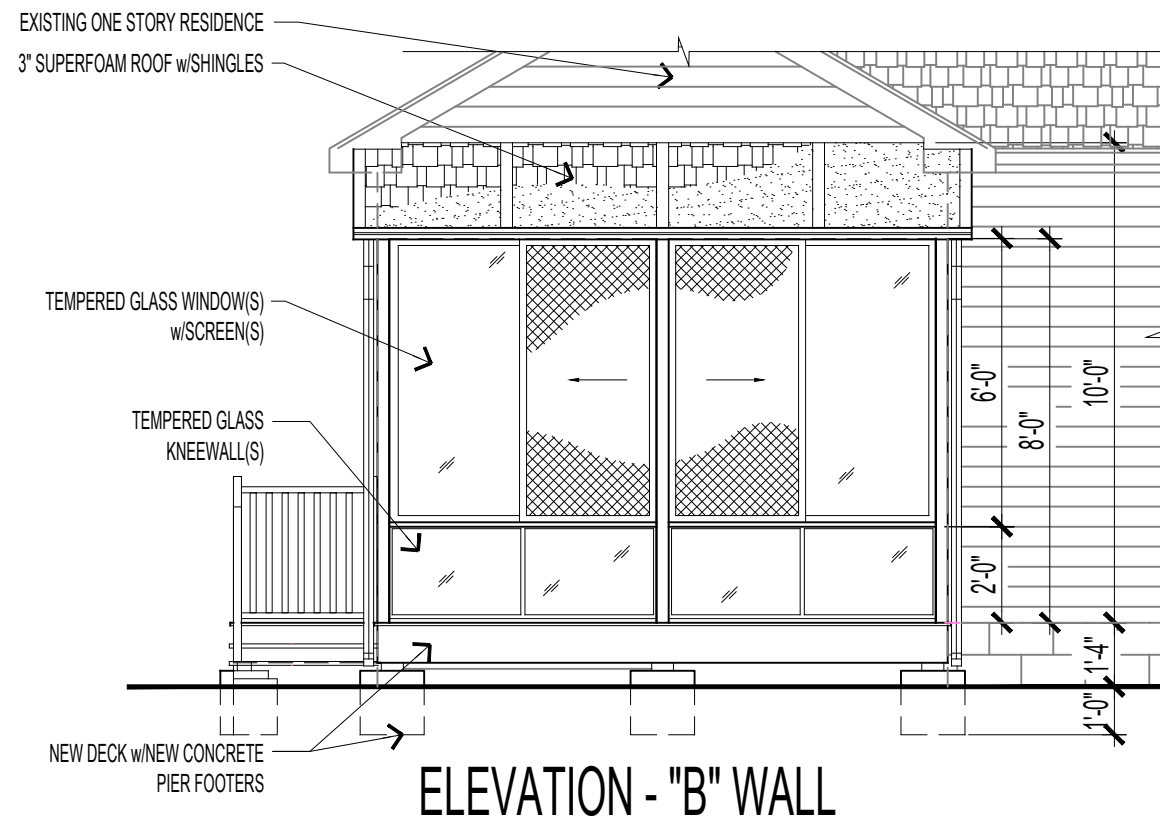
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SCALE	1/4" = 1'-0"
SHEET	1 OF 10



ELEVATION - "A" WALL



ELEVATION - "C" WALL

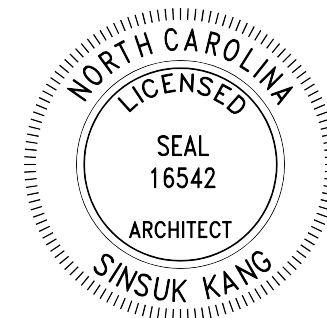


ELEVATION - "B" WALL

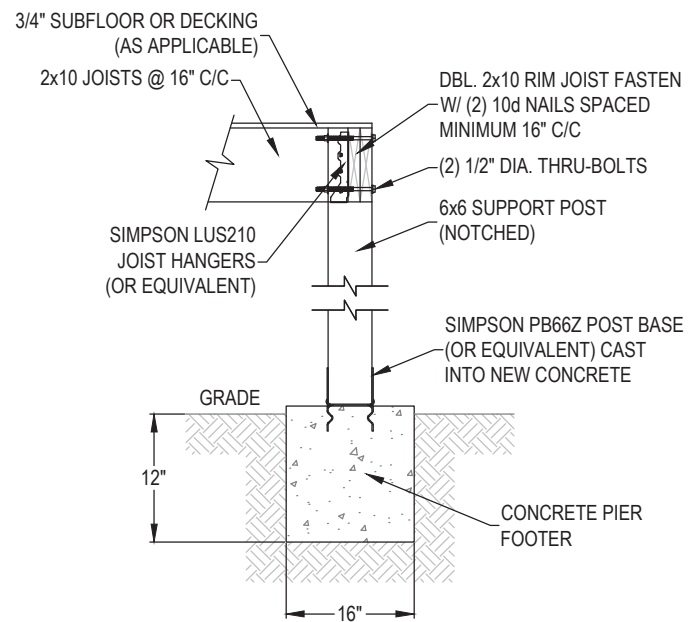


LOCATION
 GDI - RALEIGH
 951 AVIATION PARKWAY, SUITE 1000
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 984-212-7488

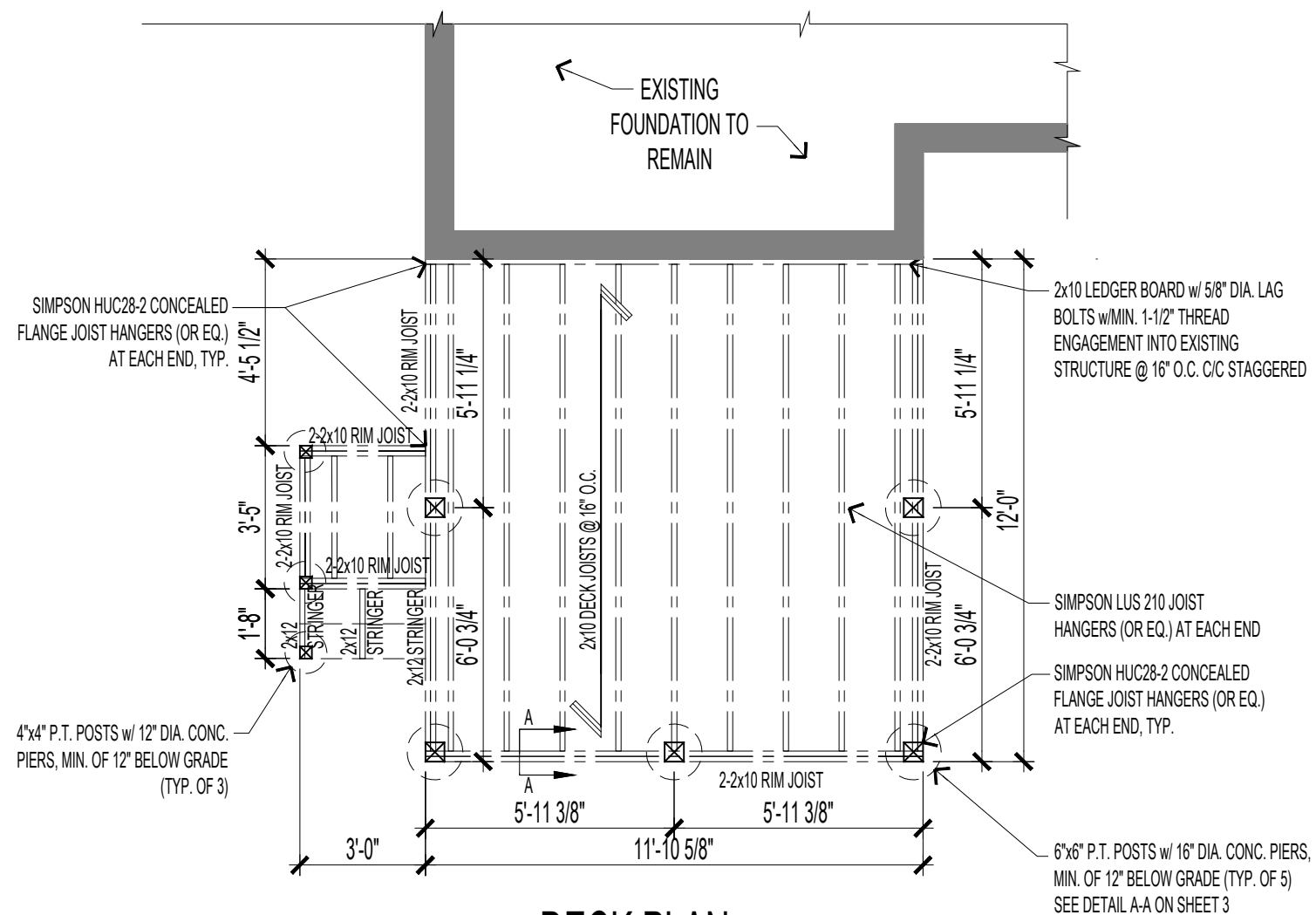
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DATE	06/15/23
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SHEET	2 OF 10



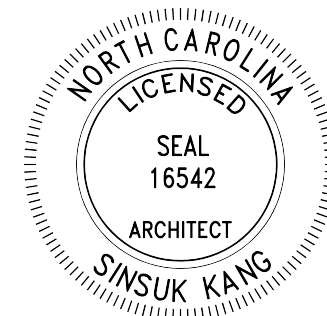
SECTION A-A
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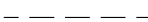

DECK PLAN













LOCATION
GDI - RALIEGH
951 AVIATION PARKWAY, SUITE 1000
MORRISVILLE, NC 27560
984-212-7488

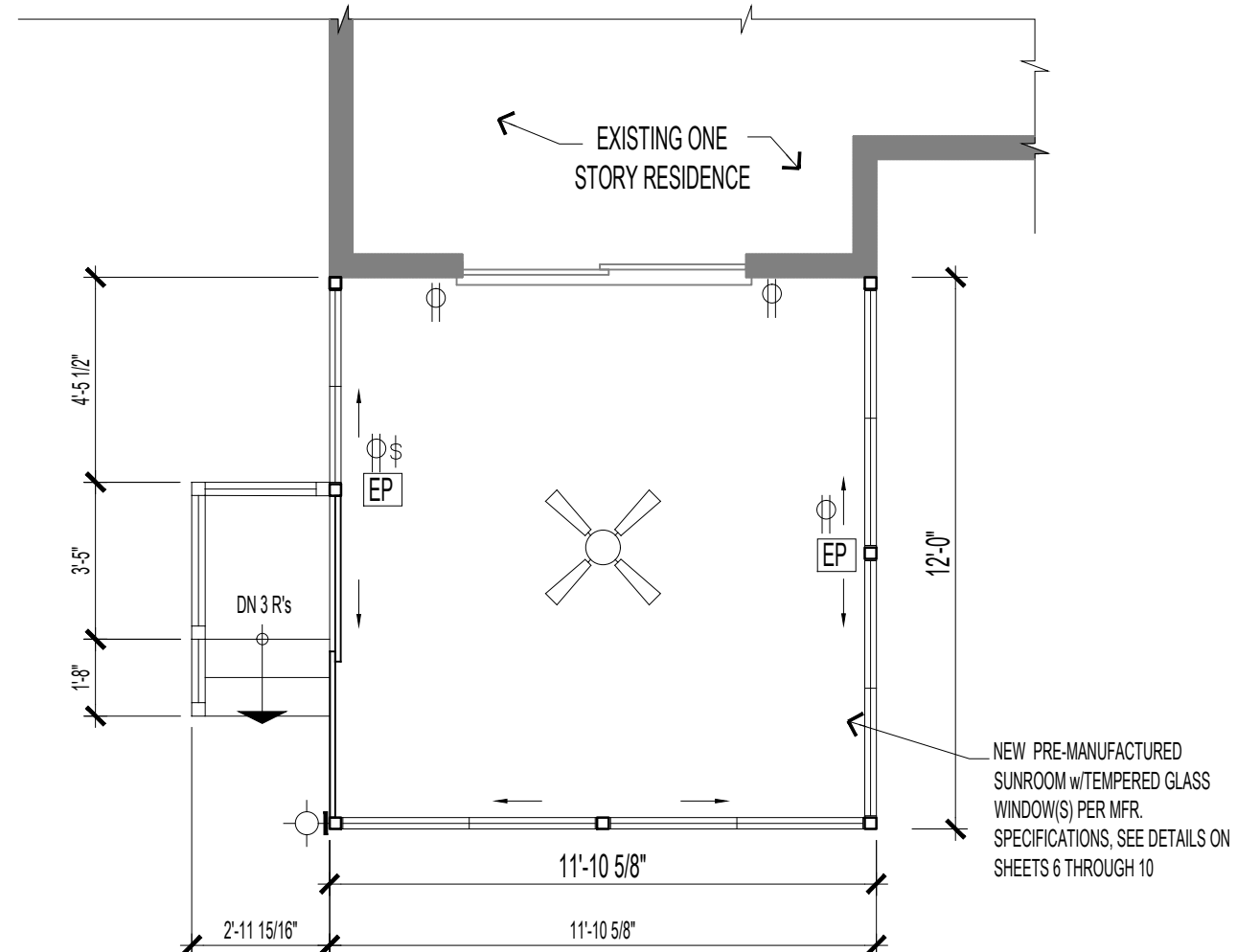
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SHEET	3 OF 10

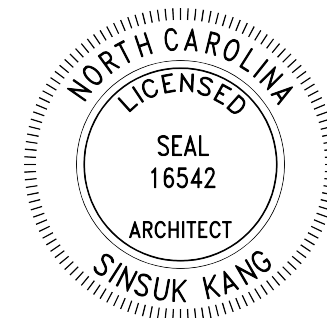
WALL LEGEND	
	- EXISTING MASONRY WALL TO REMAIN
	- EXISTING TO REMAIN WALL
	- EXISTING WALL TO BE REMOVED
	- NEW WALL

GDI ELECTRICAL SYMBOL LEGEND	
	ELECTRICAL RACEWAY POST
	DUPLEX RECEPTACLE
	FLOOR DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WEATHERPROOF DUPLEX RECEPTACLE
	EXIT LIGHT
	SWITCH
	CEILING FAN w/LIGHT
	CEILING FAN
	SURFACE MOUNTED LIGHT
	EXTERIOR COACH LIGHT
	SPEAKER



FLOOR PLAN
SUNROOM 143 SQ. FT.

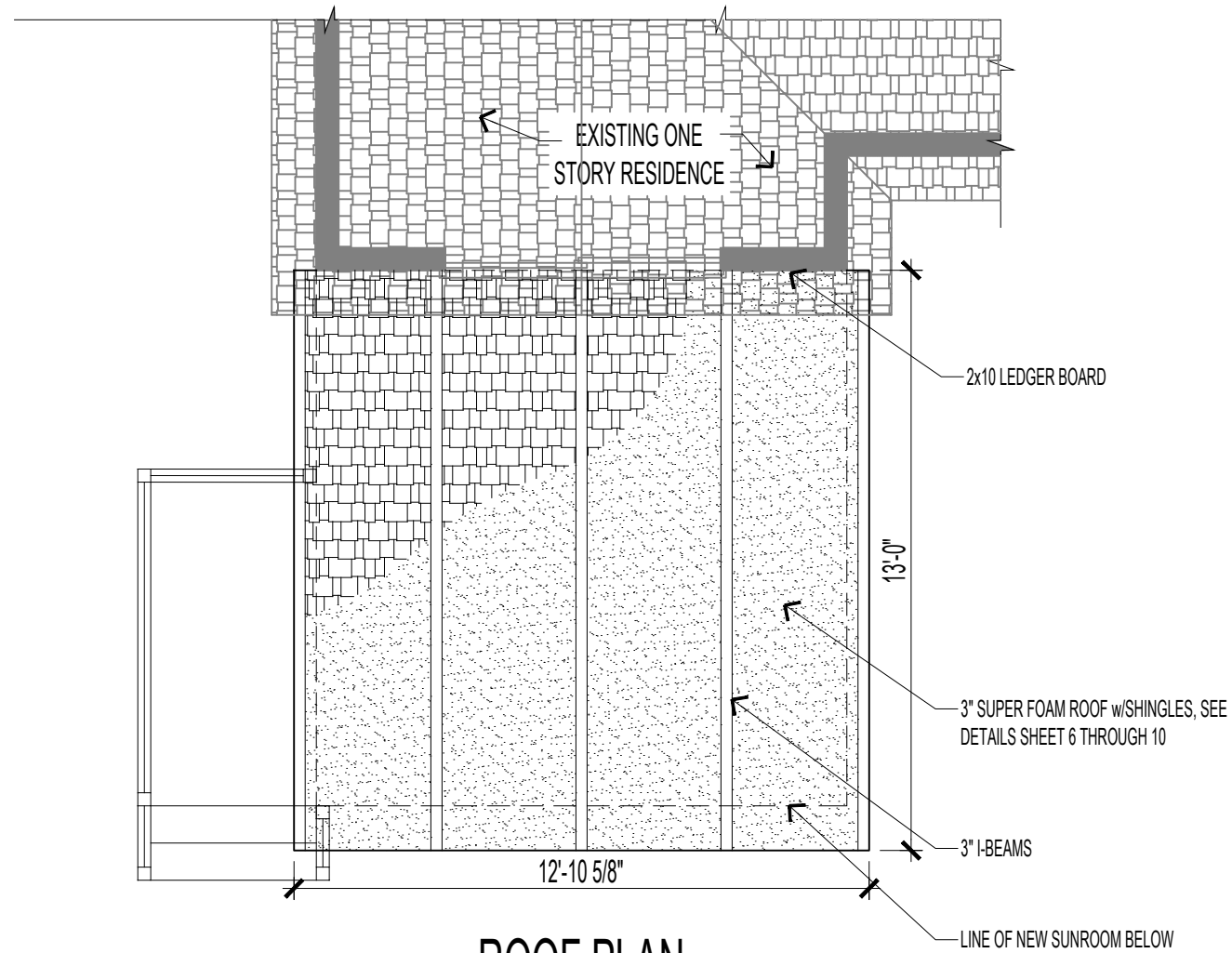
ELECTRICAL NOTES:
ELECTRICAL CONTRACTOR TO VISIT JOBSITE & BECOME FAMILIAR w/EXISTING CONDITIONS BEFORE SUBMITTING BIDS.
ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL ELECTRICAL CODE AND ANY OTHER ELECTRICAL CODES HAVING JURISDICTION.



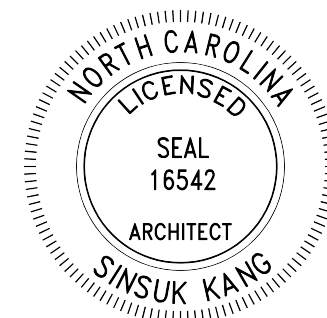
LOCATION
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951 AVIATION PARKWAY, SUITE 1000
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DATE	06/15/23
DRAWN	PLA
SCALE	1/4" = 1'-0"
SHEET	4 OF 10



ROOF PLAN

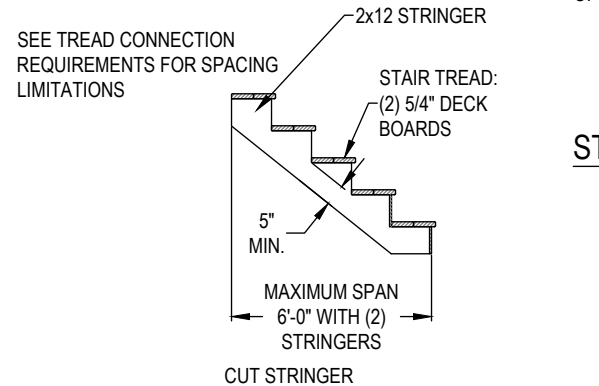
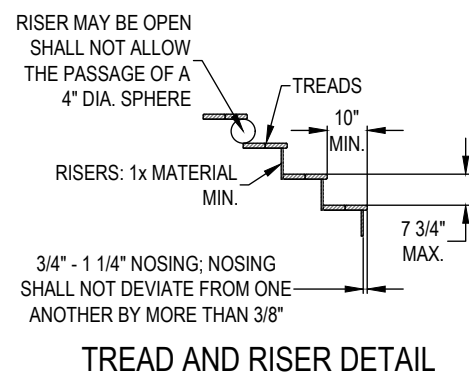
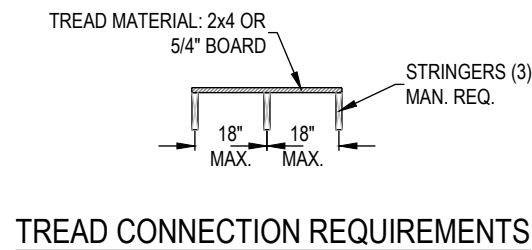
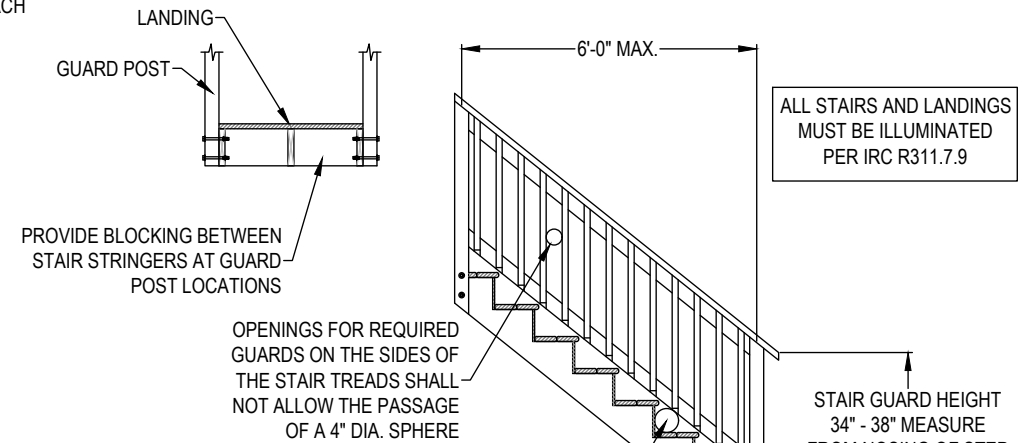
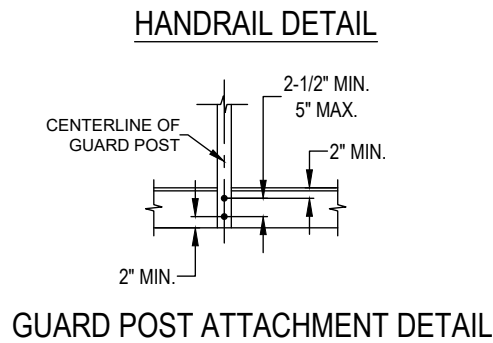
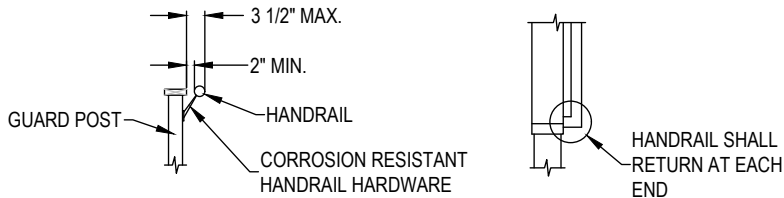
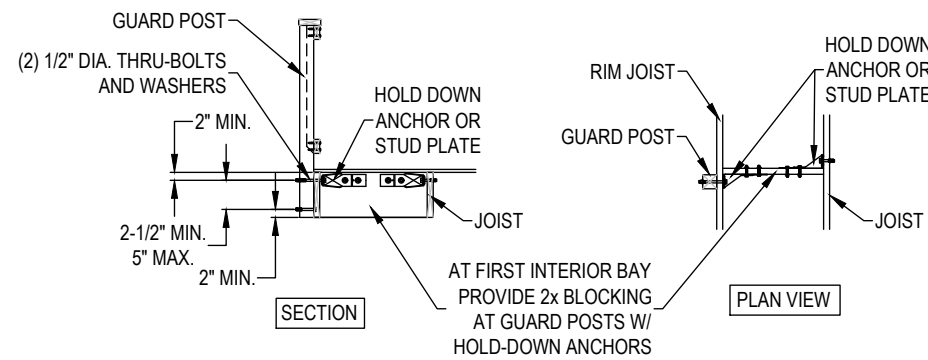
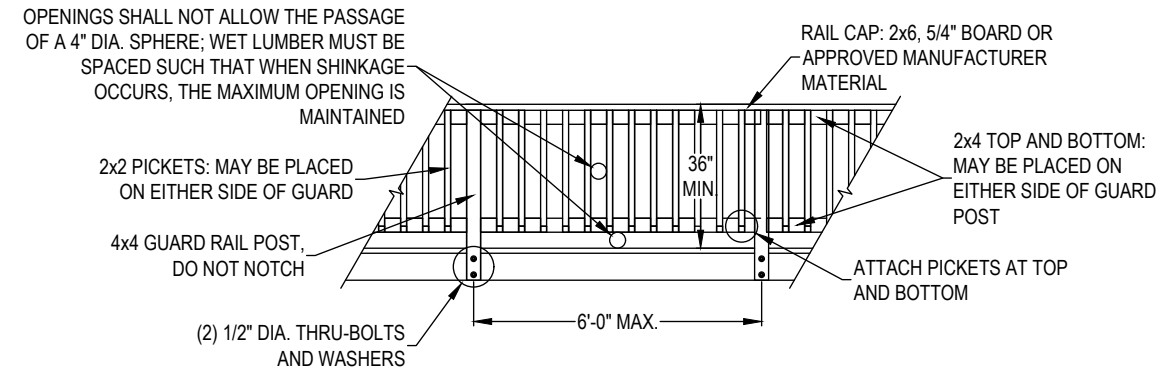
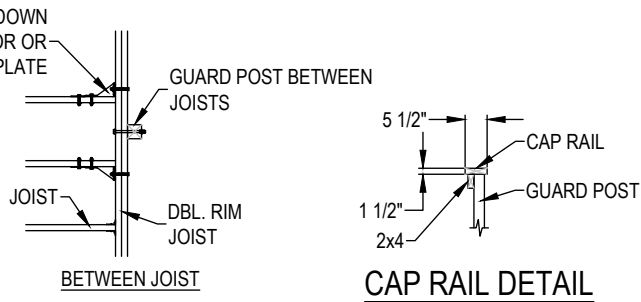
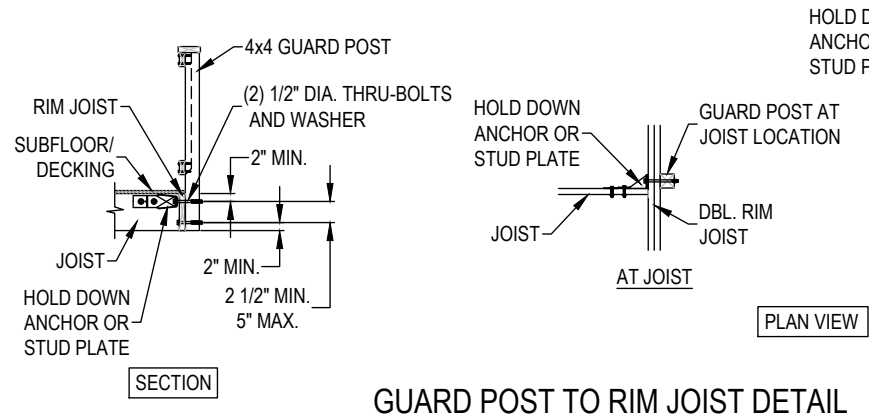


LOCATION
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 951 AVIATION PARKWAY, SUITE 1000
 MORRISVILLE, NC 27560
 984-212-7488

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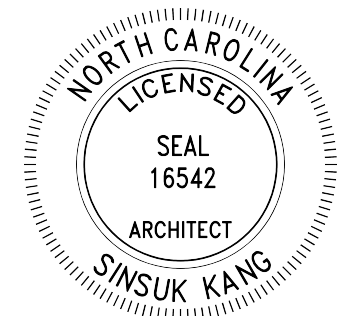
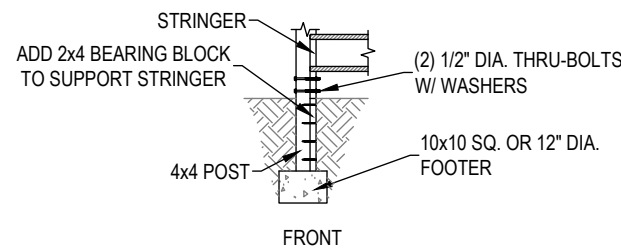
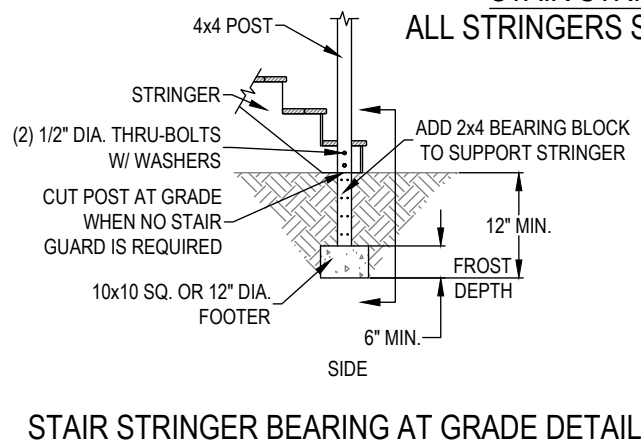
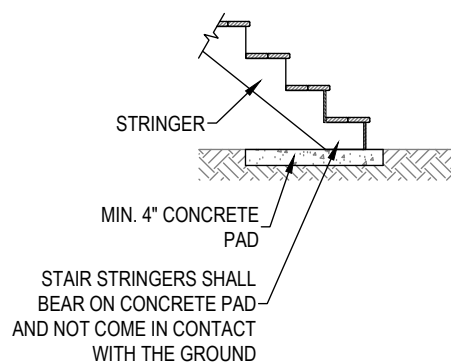
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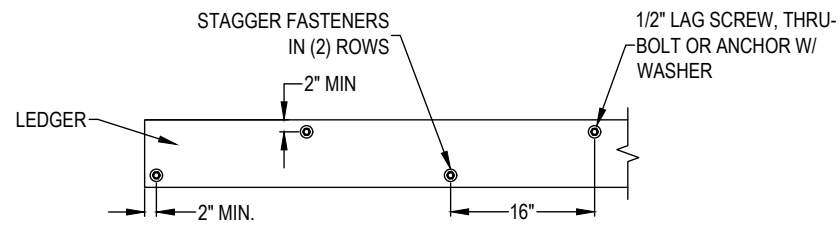


THESE DETAILS WERE TAKEN FROM THE PRESCRIPTIVE RESIDENTIAL WOOD DECK GUIDE BY THE AMERICAN WOOD COUNCIL

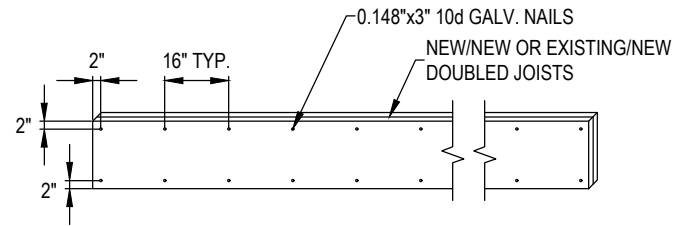
ALL SCREWS, BOLTS AND NAILS FOR USE WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL

NOTE: THIS PLANS WERE DESIGNED WITH AND REQUIRED THAT ALL LUMBER MUST BE MINIMUM RATED SPF #2 OR BETTER PRESSURE TREATED PER AWPA (AMERICAN WOOD PROTECTION ASSOCIATION) STANDARDS

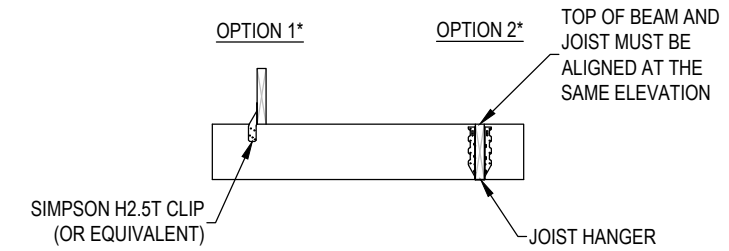




LEDGER BOARD FASTENER SPACING AND CLEARANCE

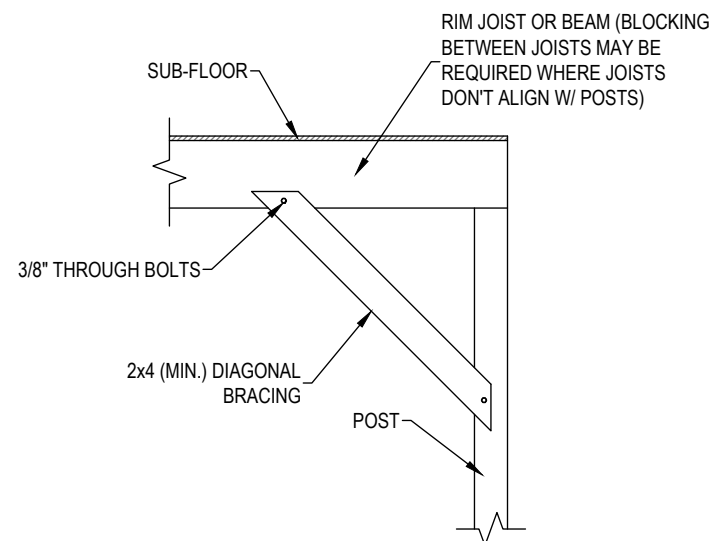


NAIL PATTERN FOR DOUBLED JOISTS

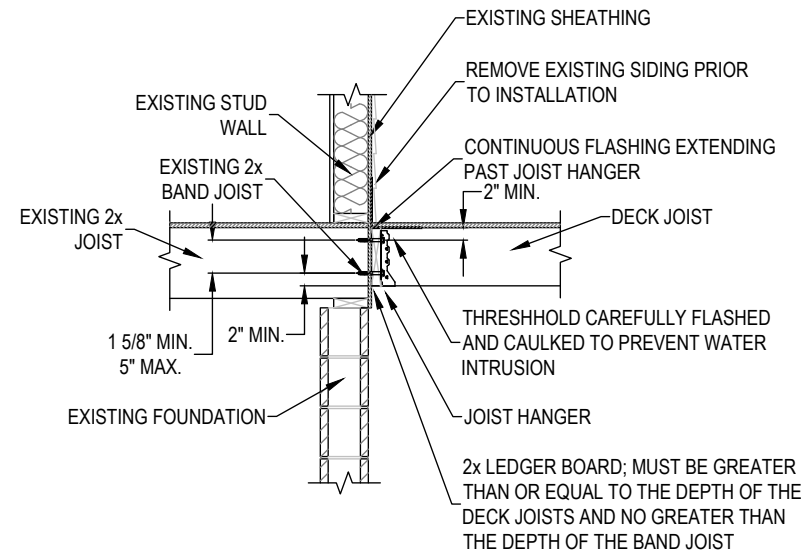


JOIST TO BEAM CONNECTION DETAIL

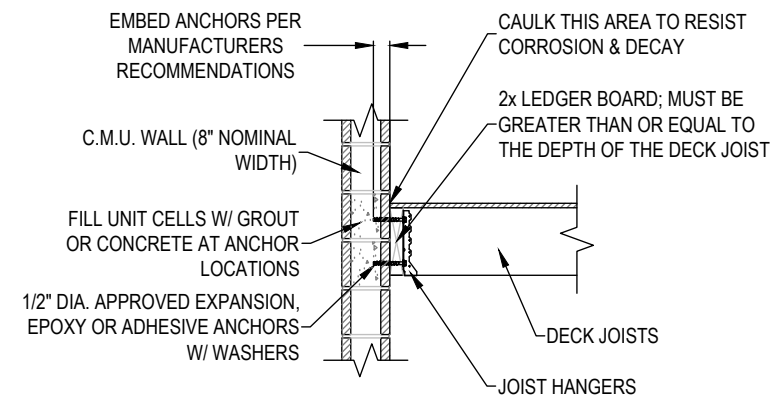
* SEE MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS



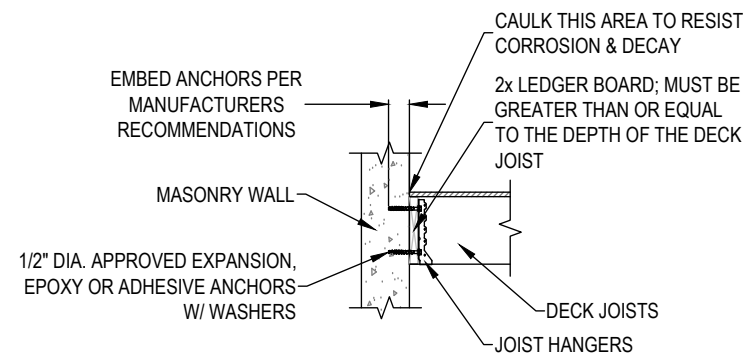
DIAGONAL BRACE DETAIL



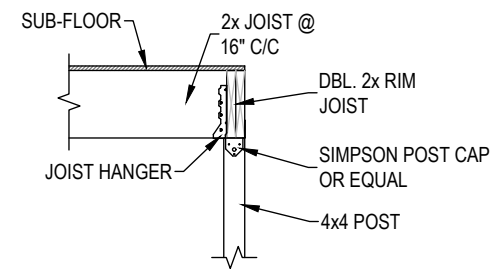
LEDGER BOARD ATTACHMENT DETAIL - BAND JOIST



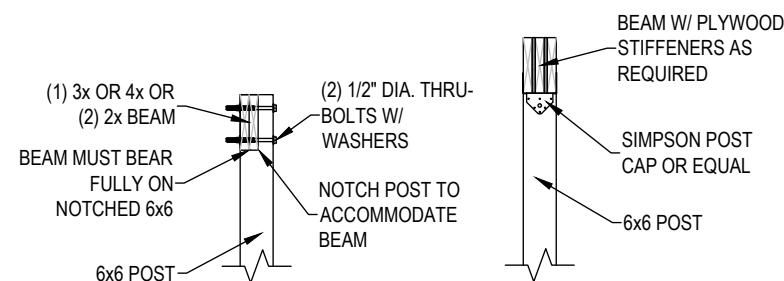
LEDGER BOARD ATTACHMENT DETAIL - HOLLOW MASONRY WALL



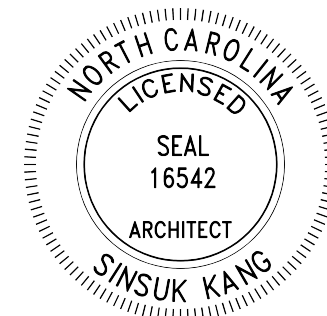
LEDGER BOARD ATTACHMENT DETAIL - CONCRETE OR SOLID MASONRY WALL



RIM JOIST DETAIL



POST TO BEAM DETAIL



LOCATION
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 951 AVIATION PARKWAY, SUITE 1000
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 SANFORD, NC 27332
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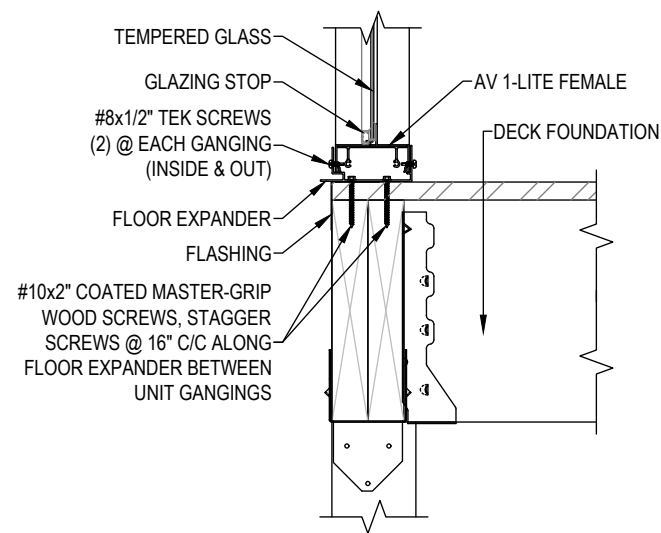
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SHEET	7 OF 10

LOCATION

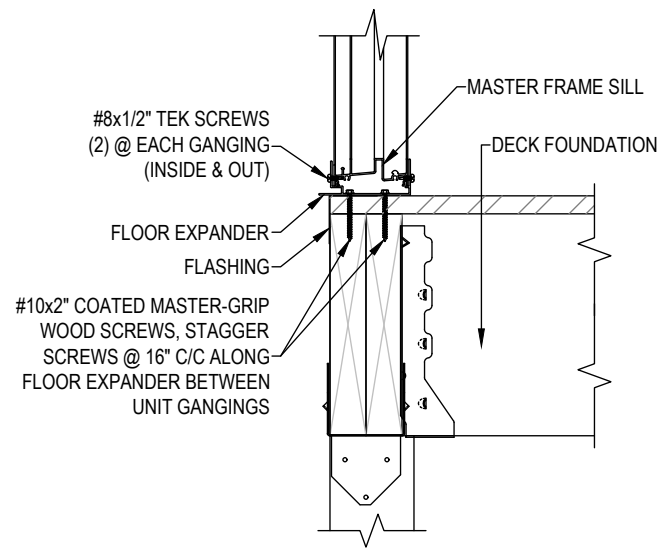
GDI - RALIEGH
951 AVIATION PARKWAY, SUITE 1000
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984-212-7488

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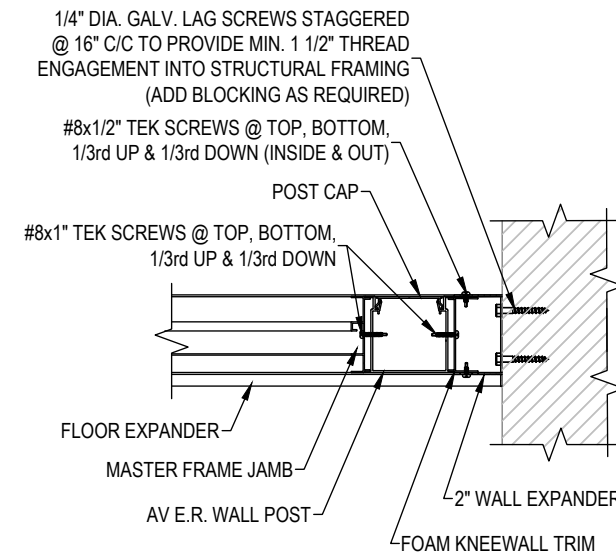
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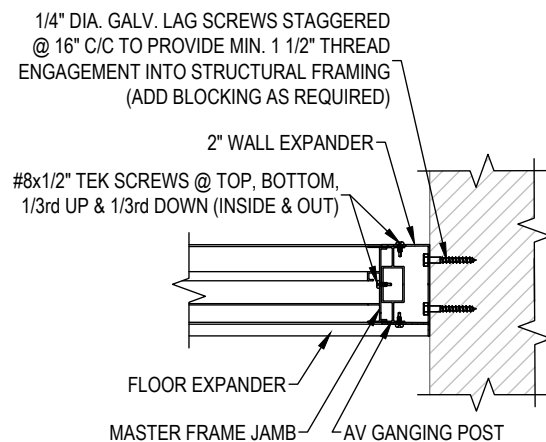
SECTION THROUGH GLASS KNEEWALL CONNECTION @ DECK FOUNDATION



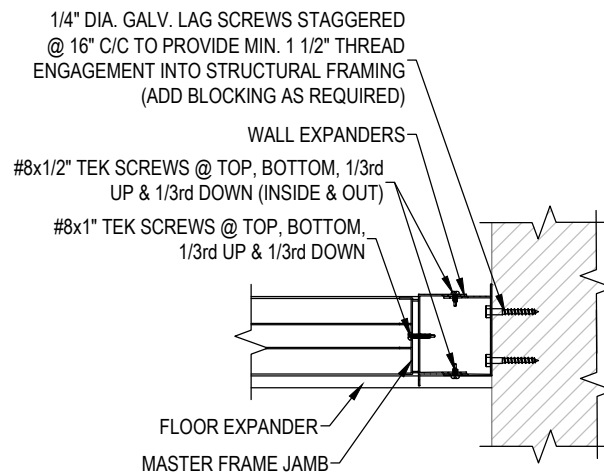
SECTION THROUGH MASTER FRAME SILL CONNECTION @ DECK FOUNDATION



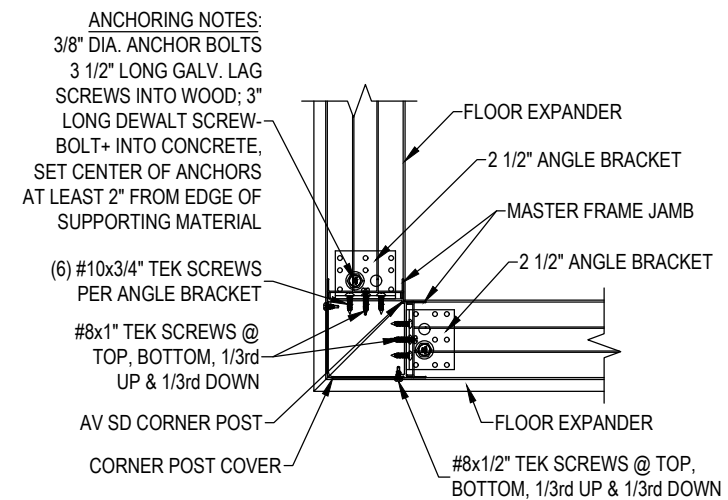
PLAN VIEW OF MASTER FRAME JAMB & AV E.R. WALL POST CONNECTION @ EXISTING WALL



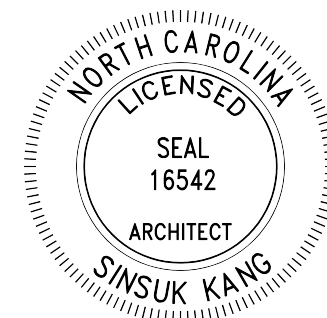
PLAN VIEW OF MASTER FRAME JAMB CONNECTION @ EXISTING WALL

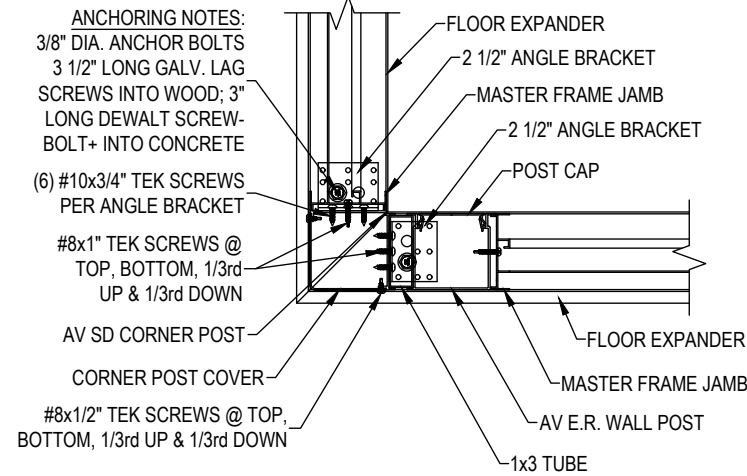


PLAN VIEW OF MASTER FRAME JAMB & DBL. EXPANDER CONNECTION @ EXISTING WALL

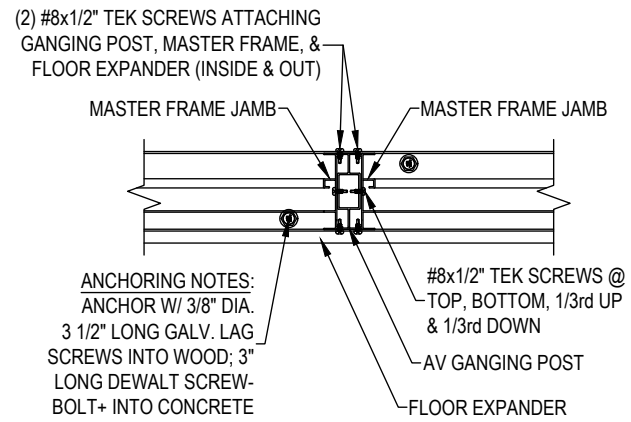


PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ CORNER POST

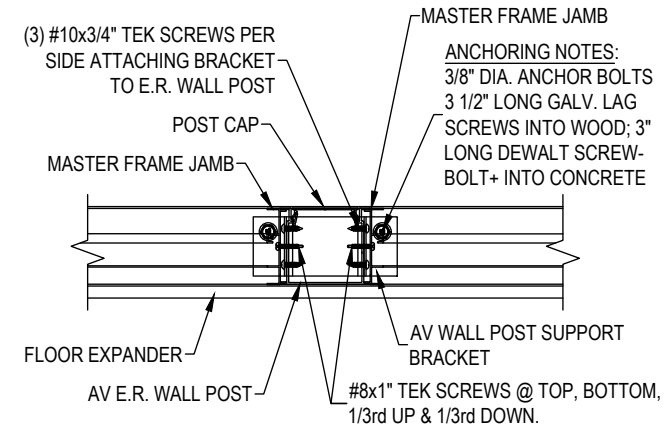




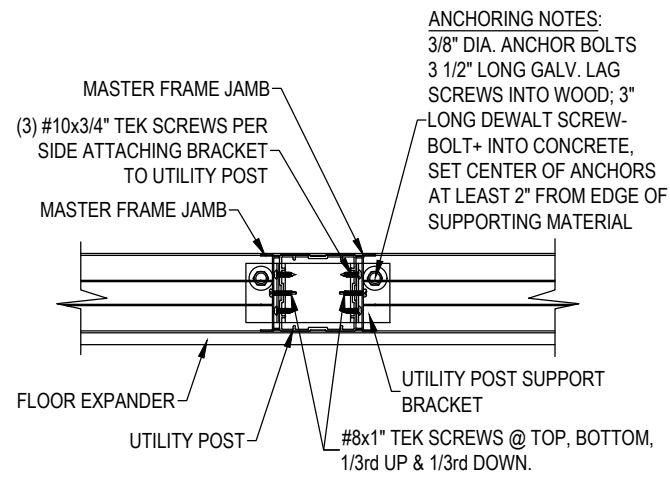
PLAN VIEW OF MASTER FRAME JAMBS & AV E.R. WALL POST CONNECTION @ CORNER POST



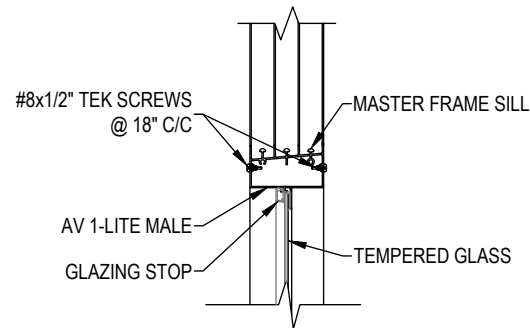
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ GANGING POST



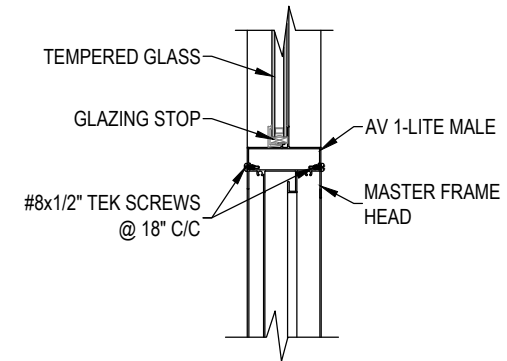
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ AV E.R. WALL POST



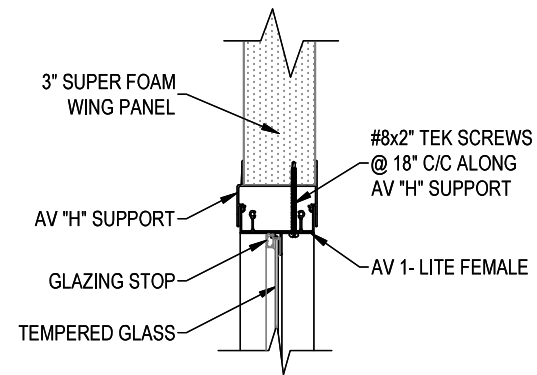
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ UTILITY POST



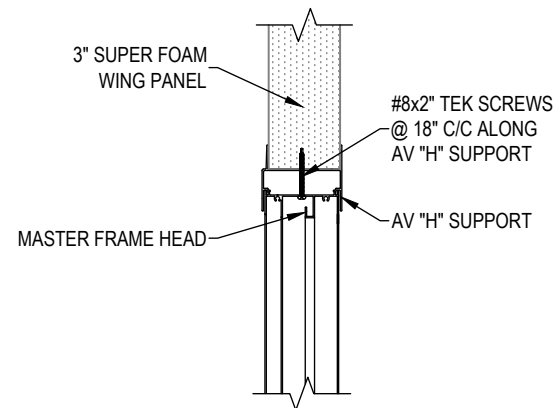
SECTION THROUGH MASTER FRAME SILL CONNECTION @ GLASS KNEEWALL



SECTION THROUGH MASTER FRAME HEAD CONNECTION @ GLASS TRANSOM



SECTION THROUGH "H" & GLASS TRANSOM CONNECTION @ FOAM WING

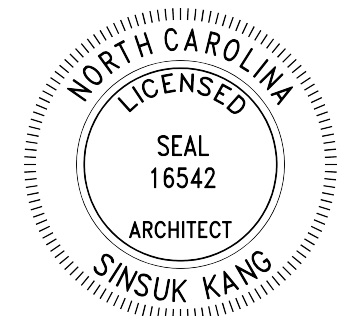


SECTION THROUGH MASTER FRAME HEAD CONNECTION @ FOAM WING

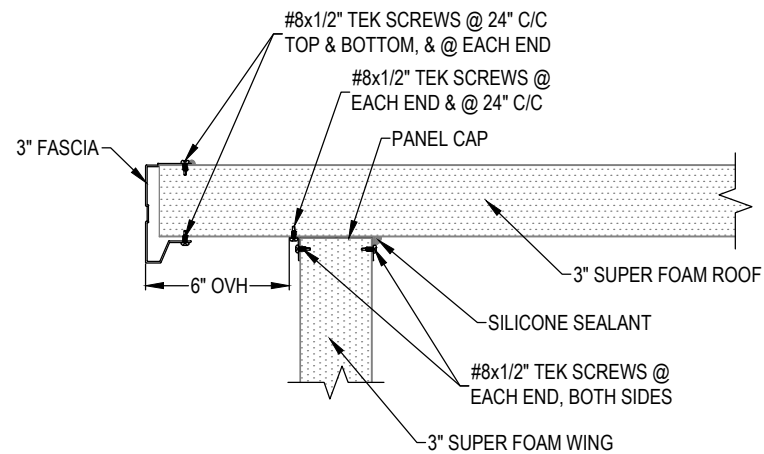


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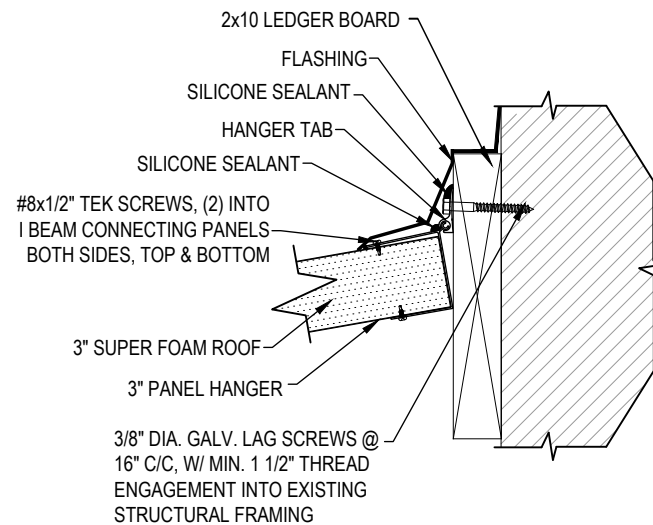
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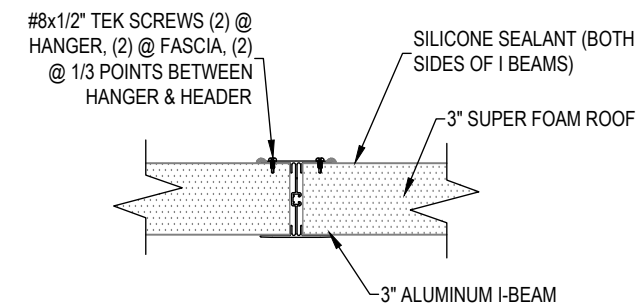
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DRAWN	PLA
SCALE	1 1/2" = 1'-0"
SHEET	9 OF 10



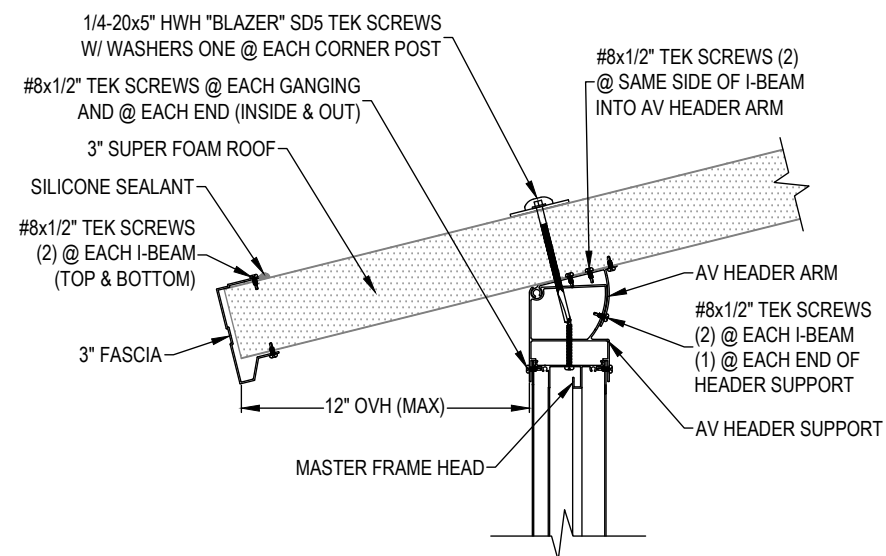
SECTION THROUGH 3" SUPER FOAM ROOF PANEL CONNECTION @ 3" SUPER FOAM WING PANEL



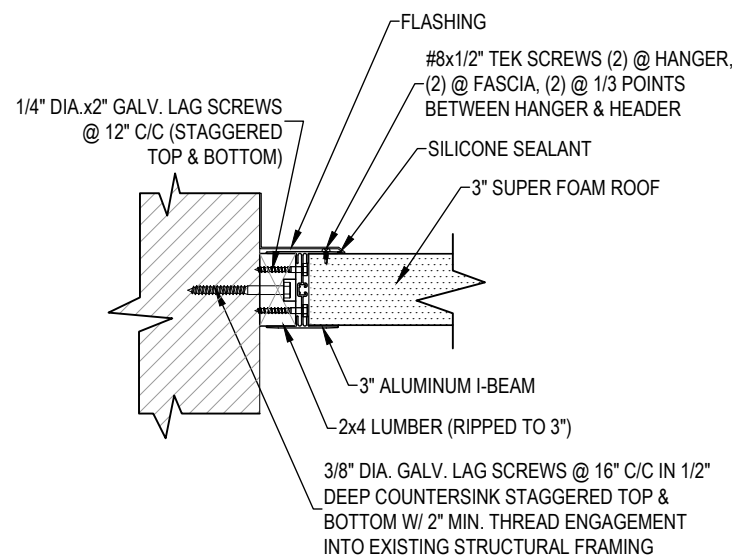
SECTION THROUGH 3" SUPER FOAM ROOF & PANEL HANGER ASSEMBLY CONNECTION @ EXISTING WALL



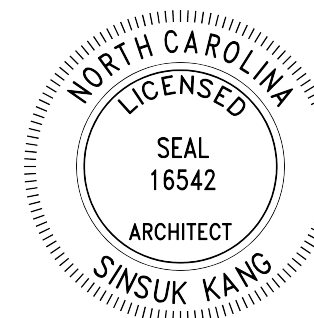
SECTION THROUGH 3" ROOF CONNECTION @ I-BEAM



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



3" ROOF PANEL & I-BEAM CONNECTION @ EXISTING WALL



LOCATION
GDI - RALEIGH
951 AVIATION PARKWAY, SUITE 1000
MORRISVILLE, NC 27560
984-212-7488

LESLIE M. WHITEN
37 MALLARD TRAIL
SANFORD, NC 27332
JOB #20848

DATE	06/15/23
DRAWN	PLA
SCALE	1 1/2" = 1'-0"
SHEET	10 OF 10