SURES

BENJAMIN BURSEY JR. 31 ESSEX COURT EAST SANFORD, NC 27332 JOB # 20606

DRAWN

08-18-2022

ERIC OETJEN, P.E., M. ENG.

FORT THOMAS, KY. 41075

5 GREENE STREET

PH. #859-393-9049

NC. PROFESSIONAL ENGINEER (NC. LIC. #04919

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

GREAT DAY IMPROVEMENTS, RALEIGH **BURSEY RESIDENCE**

MINIMUM DESIGN LOADS: PER 2018 NC RESIDENTIAL		
BUILDING CODE / 2015 IRC WITH NC AMENDMENTS	DRAWING #	DESCRIPTION
CUNDOOM OATEOODY II (DED 2045 IDO D204 0 4 4 4	1	COVER
SUNROOM CATEGORY II (PER 2015 IRC R301.2.1.1.1 & AAMA / NPEA / NSA 2100)	2	ELEVATION "B" WALL
a / v www. / / tt E/ / / too/	3	ELEVATION "A" & "C" WALL
DEAD LOADS:	4	DECK PLAN
1. ROOF: 15 PSF 2. WALLS: 20 PSF	5	ELECTRICAL PLAN
3. FLOOR: 10 PSF	6	FLOOR PLAN
	7	ROOF PLAN
SNOW LOADS: GROUND SNOW LOAD 20 PSF	8	SYSTEM DETAILS
ULTIMATE DESIGN WIND SPEED: 120 MPH, 3 SEC. GUSTS	9	SYSTEM DETAILS
	10	SYSTEM DETAILS
LIVE LOADS:		

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

NOTES:

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

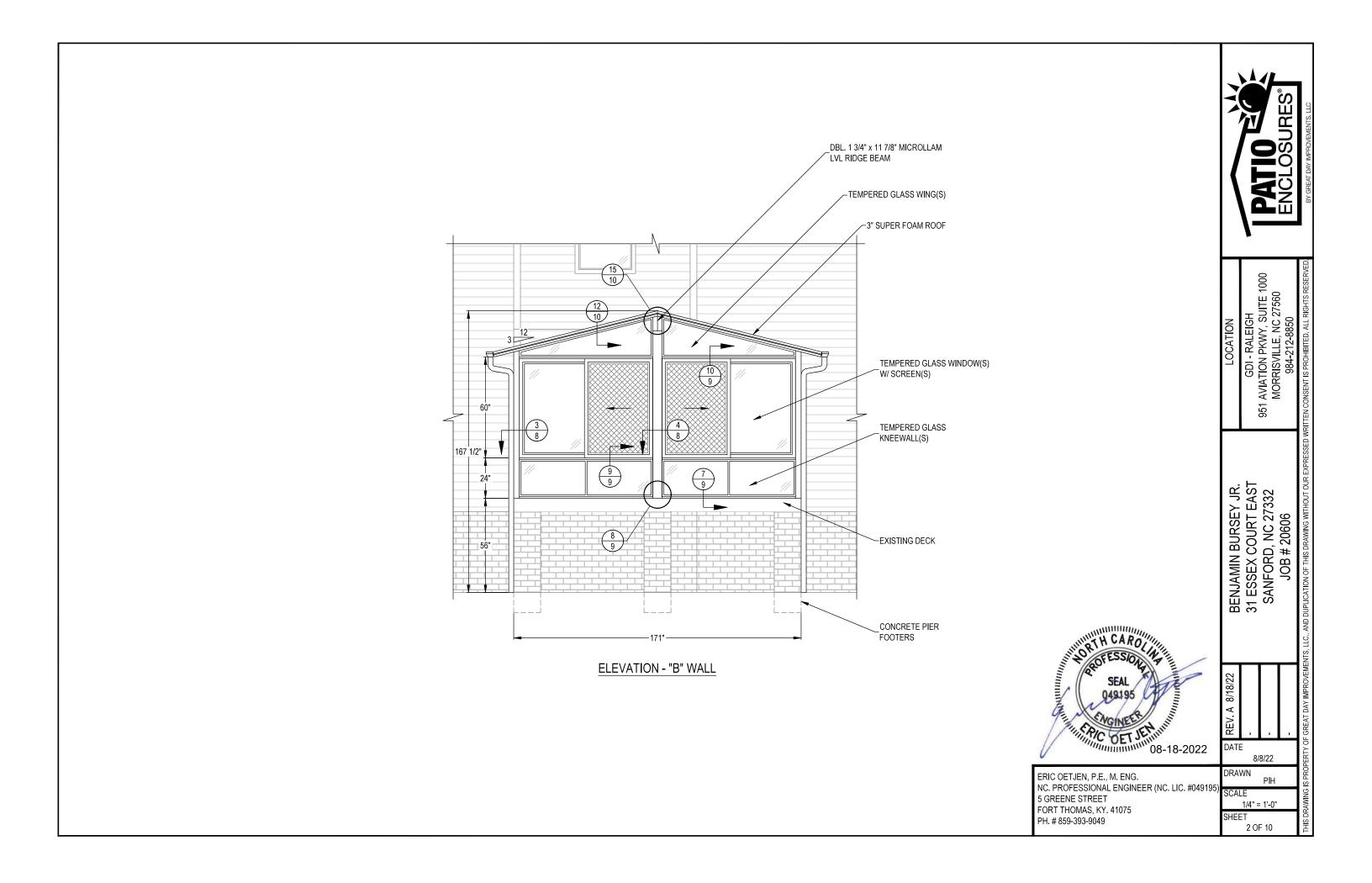
- 1. ALLVIEW (AVI) SUNROOM; WHITE IN COLOR
- 2. CONSTRUCT SUNROOM ON EXISTING DECK
- 3. NO HEAT BY GDI; ELECTRICAL BY GDI
- 4. ALL CONCRETE TO BE 3000 PSI MINIMUM
- 5. ALL DECK LUMBER IS PRESSURE TREATED SYP #2 OR BETTER
- 6. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS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

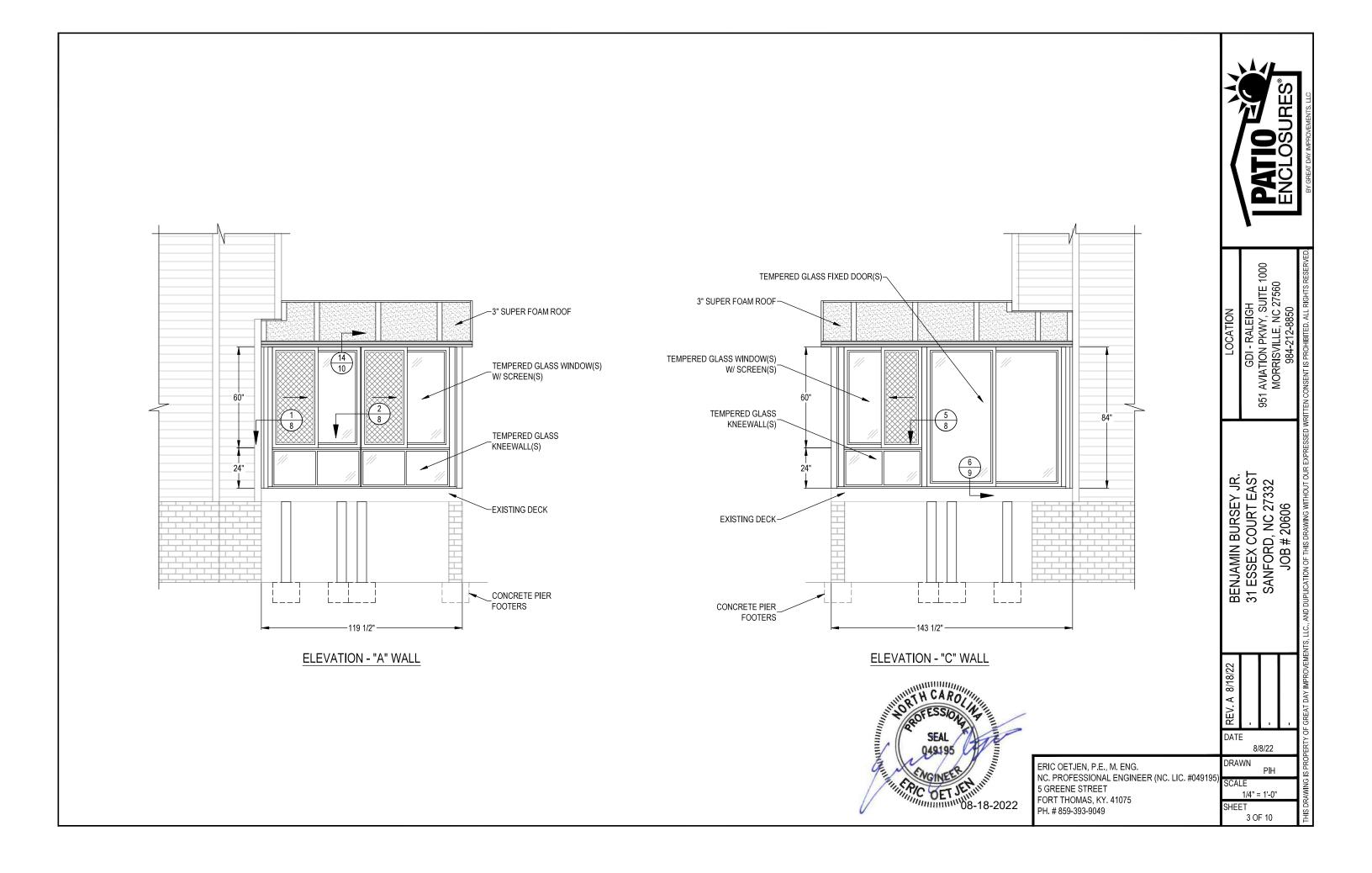
ALLOWABLE SOIL PRESSURE CONSIDERED

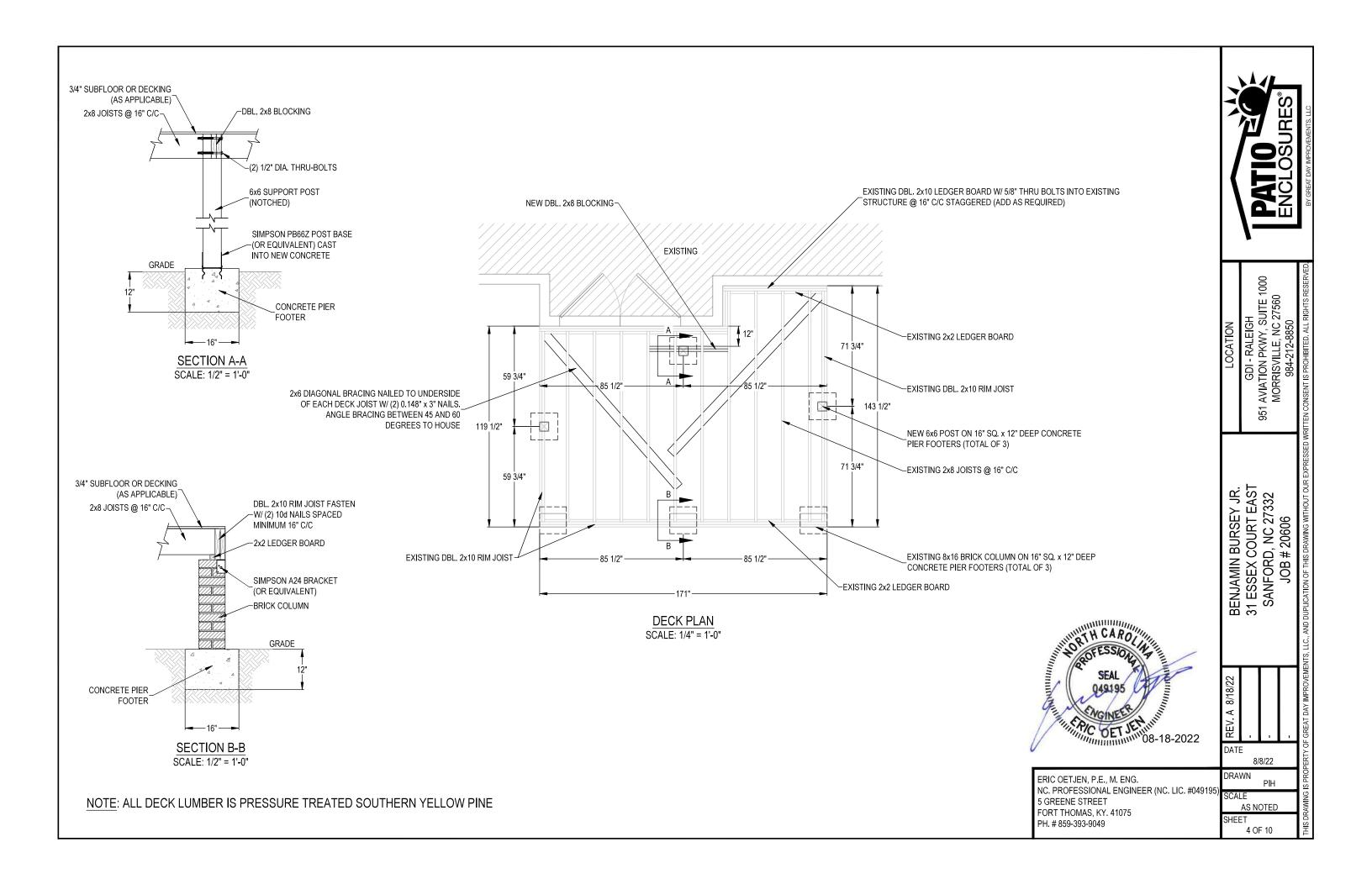
(PRESUMPTIVE) = 2000 PSF

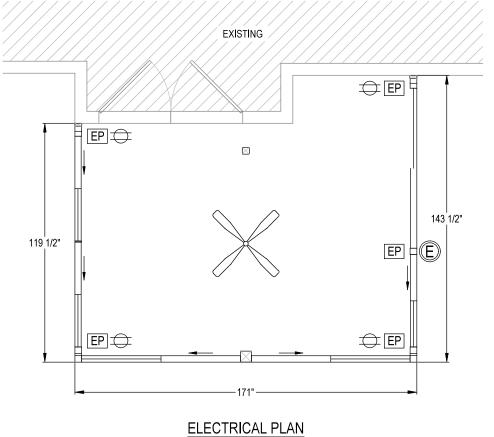
NOTE: THIS STRUCTURE HAS BEEN EVALUATED FOR VERTICAL AND LATERAL LOADS REQUIRED BY THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.

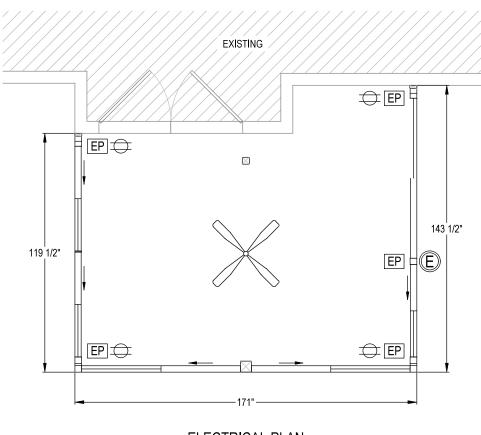
SQUARE FOOTAGE OF SUNROOM = 152









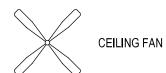




ELECTRICAL RACEWAY POST

DUPLEX RECEPTACLE

E EXIT LIGHT





ENGINEER'S STAMP APPLIES TO SUNROOM STRUCTURE; **ELECTRICAL BY OTHERS**

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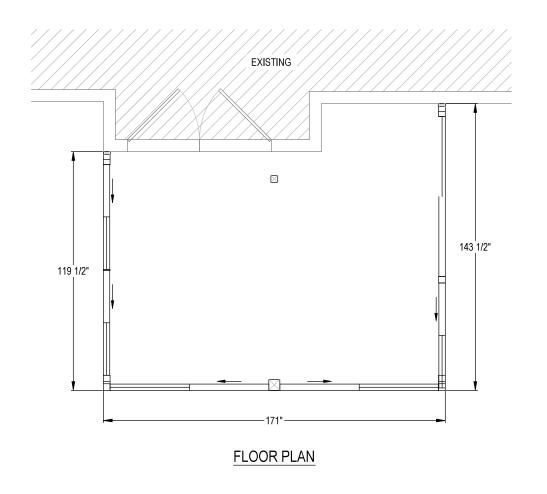
DATE

8/8/22

DRAWN

1/4" = 1'-0"

SHEET 5 OF 10





GDI - RALEIGH 951 AVIATION PKWY, SUITE 1000 MORRISVILLE, NC 27560

BENJAMIN BURSEY JR. 31 ESSEX COURT EAST SANFORD, NC 27332 JOB # 20606

DATE

8/8/22

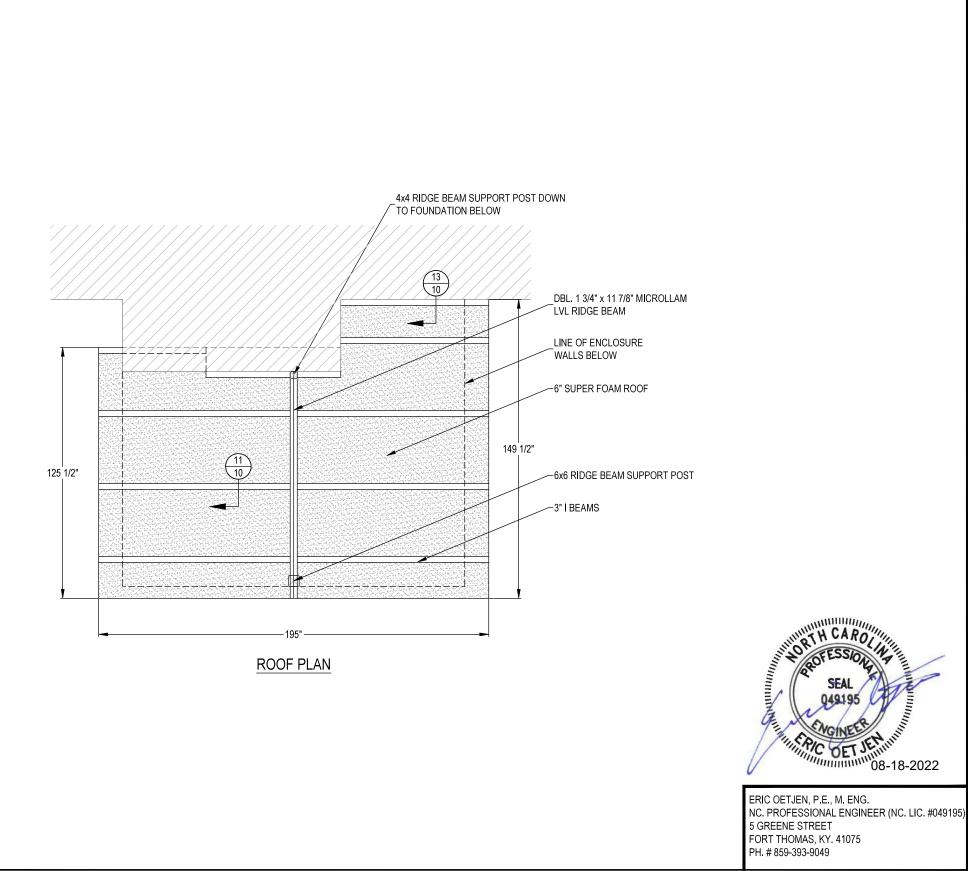
DRAWN

PlH

1/4" = 1'-0" SHEET 6 OF 10

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NC. PROFESSIONAL ENGINEER (NC. LIC. #049195)
SCALE 5 GREENE STREET FORT THOMAS, KY. 41075 Ph. # 859-393-9049

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GDI - RALEIGH 951 AVIATION PKWY, SUITE 1000 MORRISVILLE, NC 27560

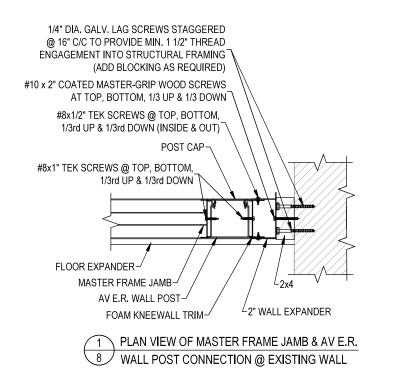
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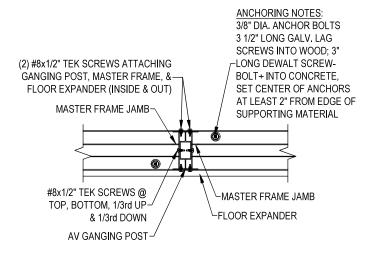
DATE 8/8/22

DRAWN PIH

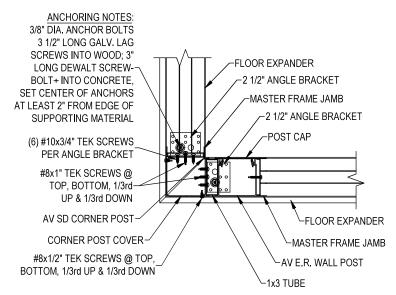
1/4" = 1'-0"

SHEET 7 OF 10

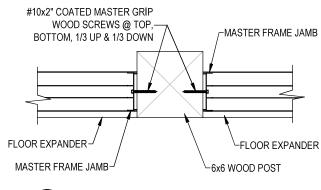




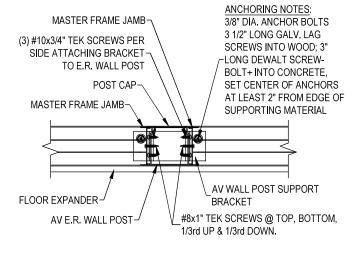
PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ GANGING POST



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



4 PLAN VIEW OF MASTER FRAME JAMBS 8 CONNECTION @ 6x6 WOOD POST



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



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SURES

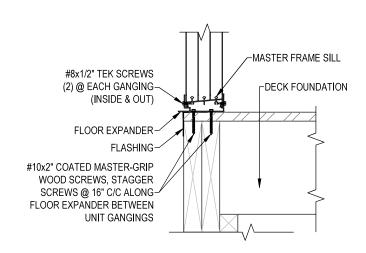
GDI - RALEIGH 1 AVIATION PKWY, SUITE 10' MORRISVILLE, NC 27560 084-212-8850 951

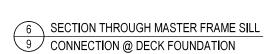
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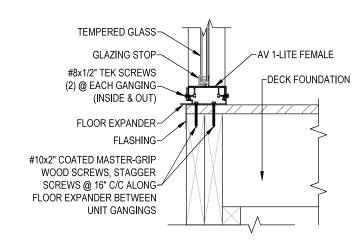
DATE

8/8/22 DRAWN PlH

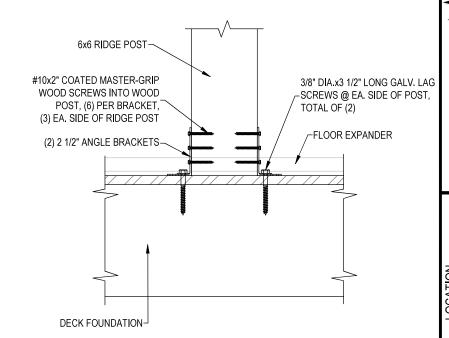
1 1/2" = 1'-0" SHEET 8 OF 10



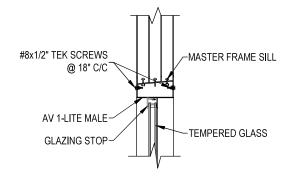




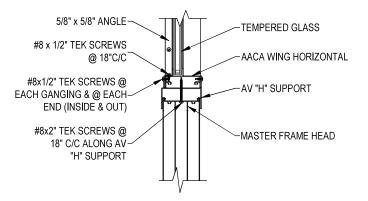
SECTION THROUGH GLASS KNEEWALL CONNECTION @ DECK FOUNDATION



FRONT VIEW THROUGH 6x6 RIDGE POST CONNECTION @ DECK FOUNDATION



SECTION THROUGH MASTER FRAME SILL CONNECTION @ GLASS KNEEWALL



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



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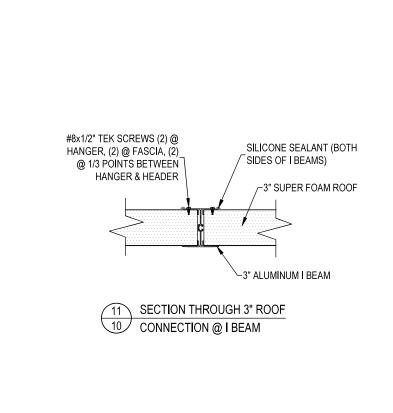
GDI - RALEIGH 1 AVIATION PKWY, SUITE 1 MORRISVILLE, NC 27560 951

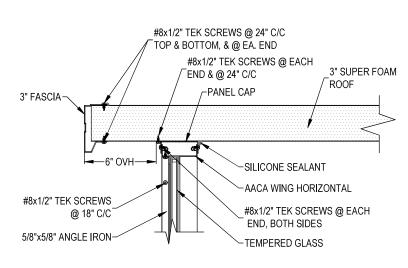
LOSURES

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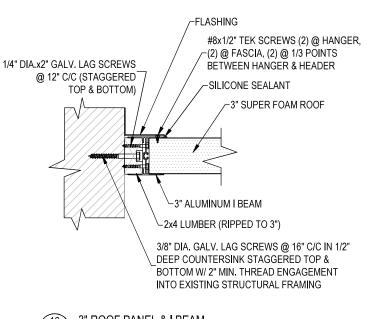
8/8/22 PIH

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

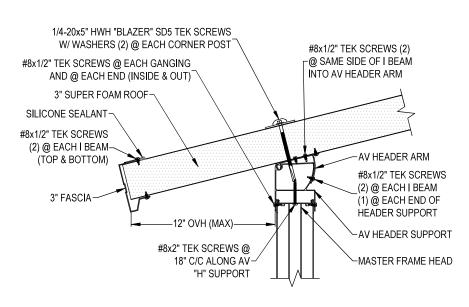




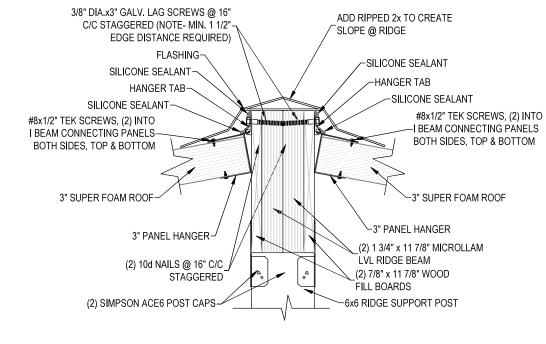
12 SECTION THROUGH 3" SUPER FOAM ROOF 10 PANEL CONNECTION @ GLASS WING



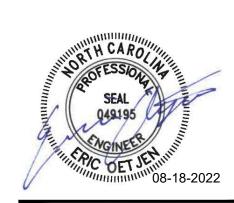
3" ROOF PANEL & I BEAM
CONNECTION @ EXISTING WALL



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



15 SECTION THROUGH 3" SUPER FOAM ROOF & PANEL HANGER ASSEMBLY CONNECTION @ RIDGE BEAM



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8/8/22 DRAWN PIH SCALE

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

10 OF 10