



BY GREAT DAY IMPROVEMENTS, LLC

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

GINI WALKER  
67 WHITE OAK CIRCLE  
SANFORD, NC 27332  
JOB #20683

DATE	12/2/22
DRAWN	AWK
SCALE	AS NOTED
SHEET	1 OF 10

**GREAT DAY IMPROVEMENTS, RALEIGH  
WALKER RESIDENCE**

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

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 EXISTING CONCRETE
- 3. NO HEAT BY GDI; ELECTRICAL BY GDI
- 4. ALL CONCRETE TO BE 3000 PSI MINIMUM
- 5. 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 = 185**



ERIC OETLIEN, P.E., M. ENG.  
NC PROFESSIONAL ENGINEER (NC LIC. #048195)  
5 GREENE STREET  
FORT THOMAS, KY, 41075  
PH: # 855-392-9049



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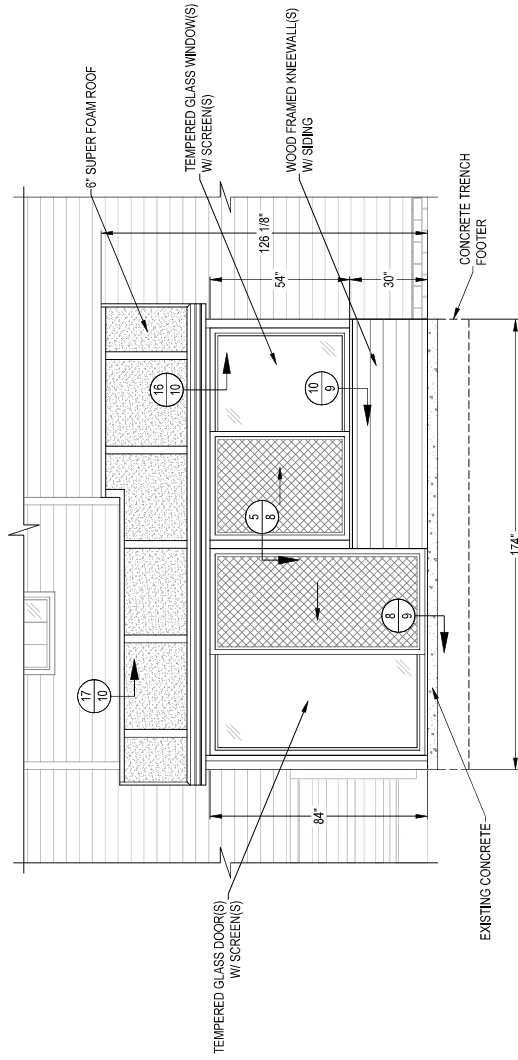
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 984-212-8850

GINI WALKER  
 67 WHITE OAK CIRCLE  
 SANFORD, NC 27332  
 JOB #20883

DATE	12/2/22
DRAWN	ANK
SCALE	1/4" = 1'-0"
SHEET	2 OF 10



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 PH. # 858-392-0049



ELEVATION - "B" WALL

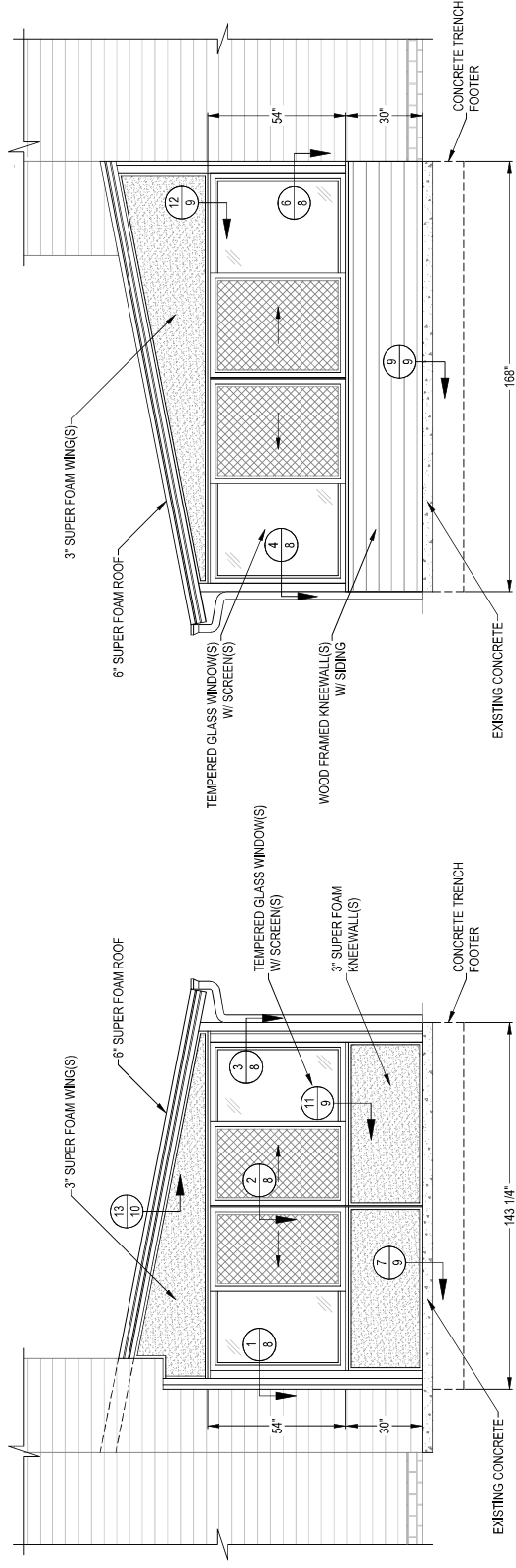


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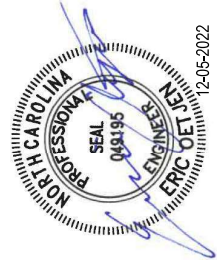
GINI WALKER  
 67 WHITE OAK CIRCLE  
 SANFORD, NC 27332  
 JOB #20863

DATE	12/2/22
DRAWN	ANK
SCALE	1/4" = 1'-0"
SHEET	3 OF 10



ELEVATION - "C" WALL

ELEVATION - "A" WALL  
 (EXISTING OPEN DECK & RAILING NOT SHOWN FOR CLARITY)



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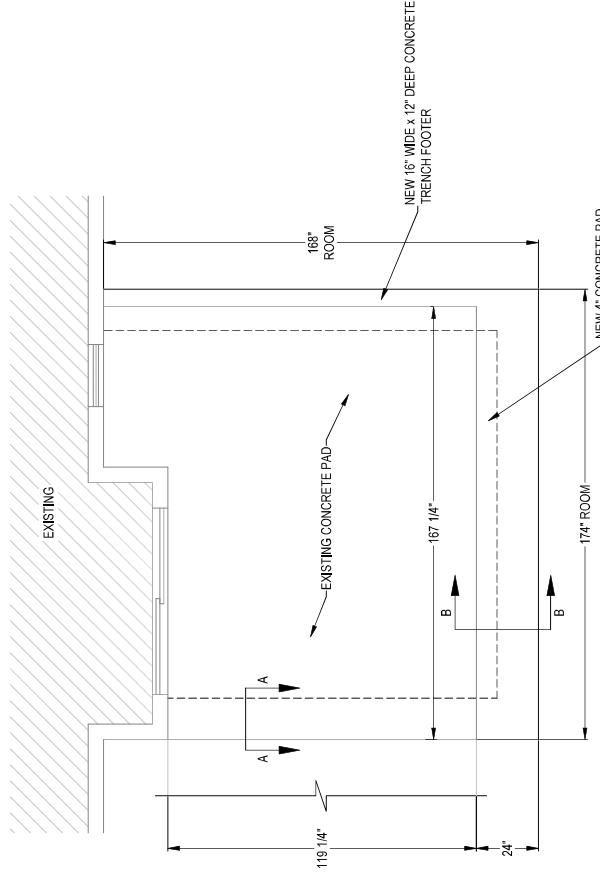
GINI WALKER  
67 WHITE OAK CIRCLE  
SANFORD, NC 27332  
JOB #20683

DATE	12/2/22
DRAWN	ANK
SCALE	AS NOTED
SHEET	4 OF 10

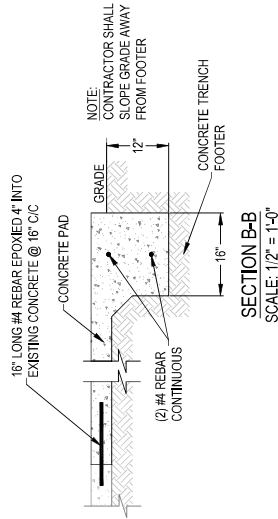
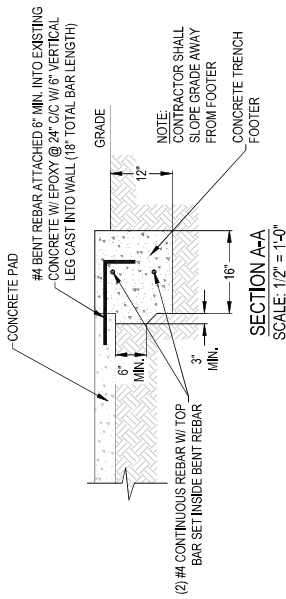
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CONCRETE PLAN  
SCALE: 1/4" = 1'-0"





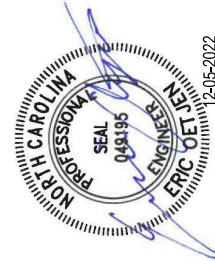
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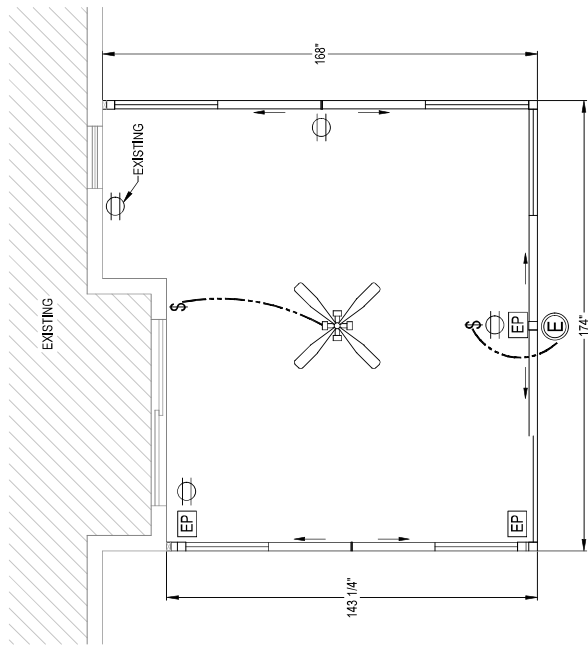
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JOB #20683

DATE	12/2/22
DRAWN	ANK
SCALE	1/4" = 1'-0"
SHEET	5 OF 10



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

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ELECTRICAL PLAN

**GDI ELECTRICAL SYMBOL LEGEND**

- ELECTRICAL RACEWAY POST
- DUPLEX RECEPTACLE
- EXIT LIGHT
- SWITCH
- CEILING FAN W/ LIGHT
- LINE FROM SWITCH TO FIXTURE CONTROLLED



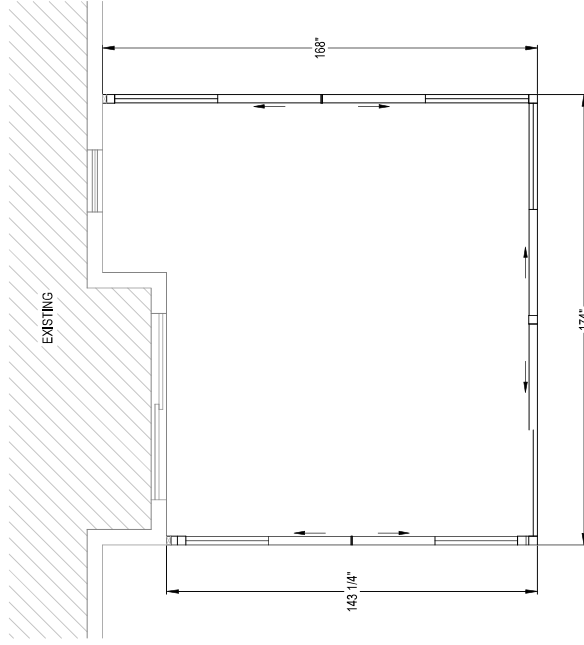
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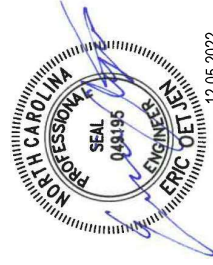
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DATE	12/2/22
DRAWN	ANK
SCALE	1/4" = 1'-0"
SHEET	6 OF 10



FLOOR PLAN



12-05-2022

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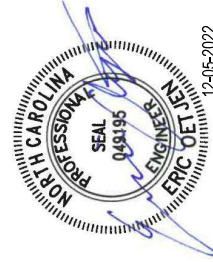
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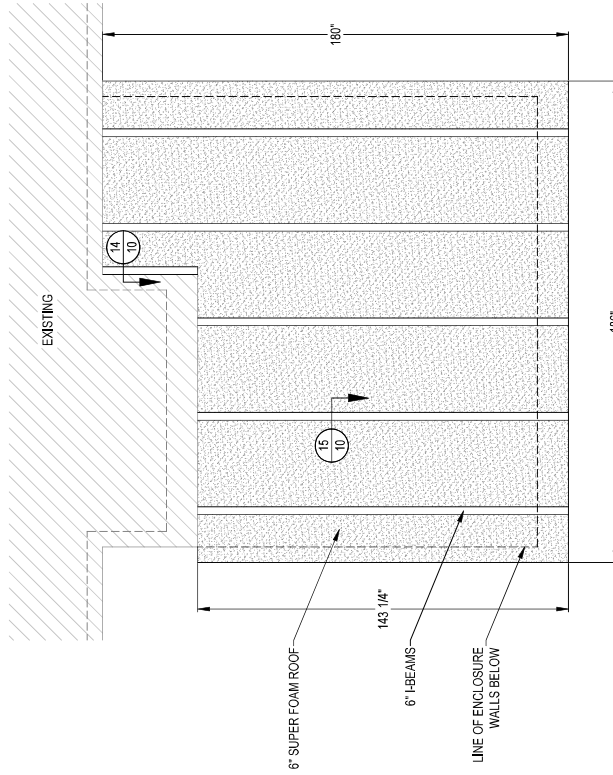
GINI WALKER  
67 WHITE OAK CIRCLE  
SANFORD, NC 27332  
JOB #20683

DATE	12/2/22
DRAWN	ANK
SCALE	1/4" = 1'-0"
SHEET	7 OF 10



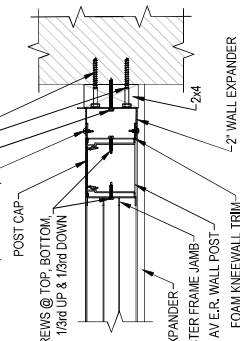
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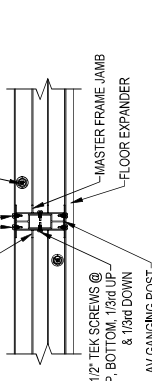
ROOF PLAN

1/4" DIA. GALV. LAG SCREWS STAGGERED @ 16" C/C TO PROVIDE MIN. 1 1/2" THREAD ENGAGEMENT INTO STRUCTURAL FRAMING (ADD BLOCKING AS REQUIRED)  
 #10 x 2" PANEL-TITE TRISEAL WOOD SCREWS AT TOP, BOTTOM, 1/3 UP & 1/3 DOWN  
 #8x1/2" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN (INSIDE & OUT)  
 POST CAP



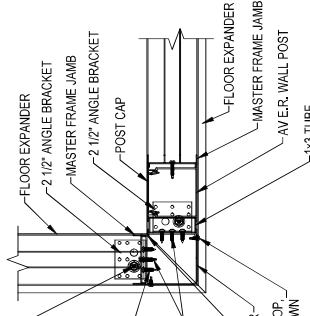
1 PLAN VIEW OF MASTER FRAME JAMB & AV E.R. WALL POST CONNECTION @ EXISTING WALL

ANCHORING NOTES:  
 3/8" DIA. ANCHOR BOLTS  
 3 1/2" LONG GALV. LAG SCREWS INTO WOOD, 3" LONG DEWALT SCREW-BOLT-INTO CONCRETE, SET CENTER OF ANCHORS AT LEAST 2" FROM EDGE OF SUPPORTING MATERIAL



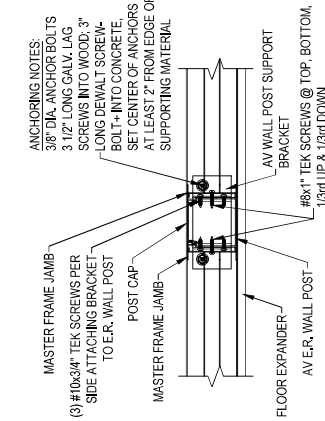
2 PLAN VIEW OF MASTER FRAME JAMBS CONNECTION @ GANGING POST

ANCHORING NOTES:  
 3/8" DIA. ANCHOR BOLTS  
 3 1/2" LONG GALV. LAG SCREWS INTO WOOD, 3" LONG DEWALT SCREW-BOLT-INTO CONCRETE, SET CENTER OF ANCHORS AT LEAST 2" FROM EDGE OF SUPPORTING MATERIAL  
 (8) #10x3/4" TEK SCREWS PER ANGLE BRACKET  
 #8x1" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN  
 AV SD CORNER POST  
 CORNER POST COVER  
 #8x1/2" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN  
 1x3 TUBE



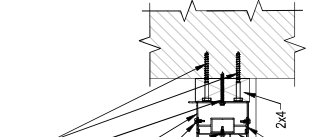
3 PLAN VIEW OF MASTER FRAME JAMBS & AV E.R. WALL POST CONNECTION @ CORNER POST

ANCHORING NOTES:  
 3/8" DIA. ANCHOR BOLTS  
 3 1/2" LONG GALV. LAG SCREWS INTO WOOD, 3" LONG DEWALT SCREW-BOLT-INTO CONCRETE, SET CENTER OF ANCHORS AT LEAST 2" FROM EDGE OF SUPPORTING MATERIAL  
 (6) #10x3/4" TEK SCREWS PER ANGLE BRACKET  
 #8x1" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN  
 AV SD CORNER POST  
 CORNER POST COVER  
 FLOOR EXPANDER  
 2 1/2" ANGLE BRACKET  
 MASTER FRAME JAMB  
 2 1/2" ANGLE BRACKET  
 FLOOR EXPANDER  
 #8x1/2" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN



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

1/4" DIA. GALV. LAG SCREWS STAGGERED @ 16" C/C TO PROVIDE MIN. 1 1/2" THREAD ENGAGEMENT INTO STRUCTURAL FRAMING (ADD BLOCKING AS REQUIRED)  
 #10 x 2" PANEL-TITE TRISEAL WOOD SCREWS AT TOP, BOTTOM, 1/3 UP & 1/3 DOWN  
 #8x1/2" TEK SCREWS @ TOP, BOTTOM, 1/3rd UP & 1/3rd DOWN (INSIDE & OUT)  
 2" WALL EXPANDER  
 FLOOR EXPANDER  
 MASTER FRAME JAMB  
 AV GANGING POST



6 PLAN VIEW OF MASTER FRAME JAMB CONNECTION @ EXISTING WALL



12-05-2022

DATE 12/2/22

DRAWN AMK

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

SHEET

8 OF 10

ERIC OETJEN, P.E., M. ENG.  
 NC PROFESSIONAL ENGINEER (NC LIC. #049195)  
 5 GREENE STREET  
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 PH. # 859-393-0049



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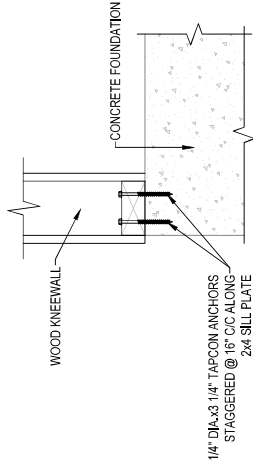
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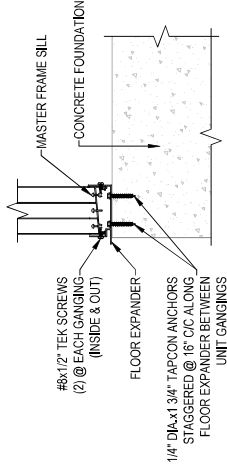
GINI WALKER  
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 JOB #20683

DATE	12/2/22
DRAWN	AMK
SCALE	1 1/2" = 1'-0"
SHEET	9 OF 10

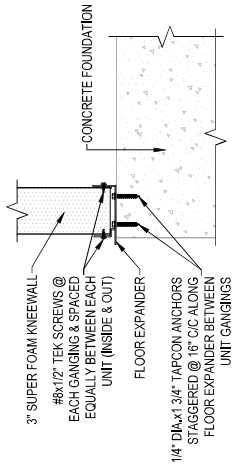
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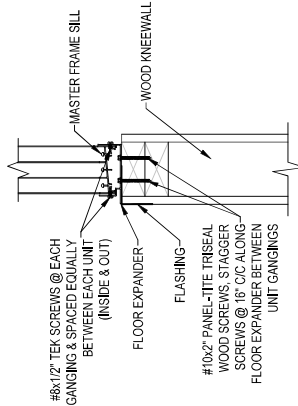
SECTION THROUGH WOOD KNEEWALL  
 CONNECTION @ CONCRETE FOUNDATION



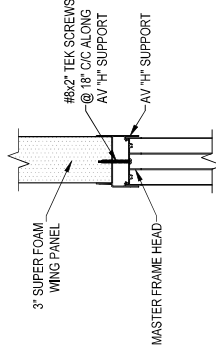
SECTION THROUGH MASTER FRAME SILL  
 CONNECTION @ CONCRETE FOUNDATION



SECTION THROUGH FOAM KNEEWALL  
 CONNECTION @ CONCRETE FOUNDATION



SECTION THROUGH MASTER FRAME SILL  
 CONNECTION @ WOOD KNEEWALL



SECTION THROUGH MASTER FRAME  
 HEAD CONNECTION @ FOAM WING



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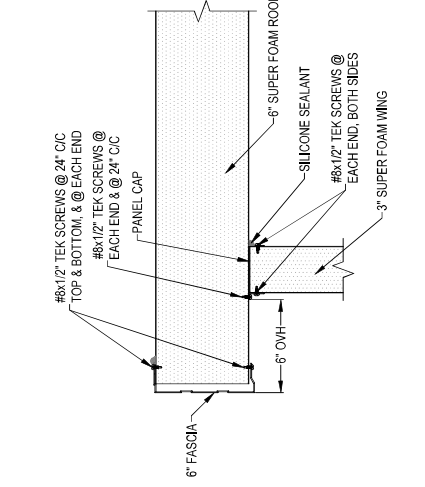
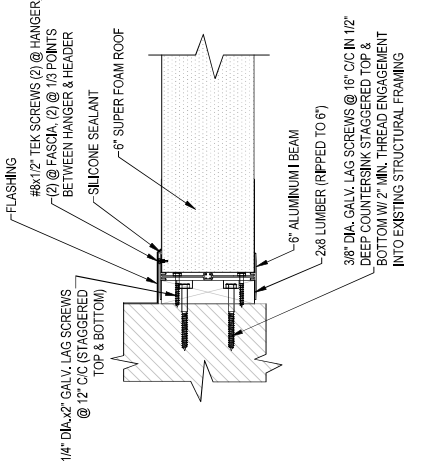
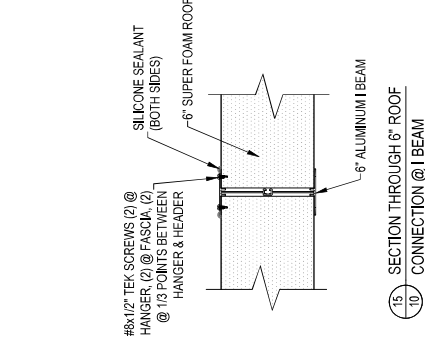


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SHEET	10 OF 10

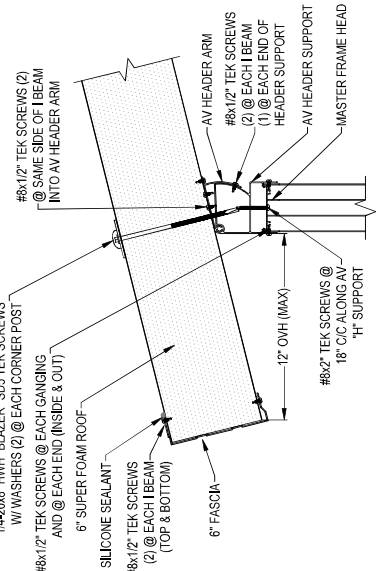
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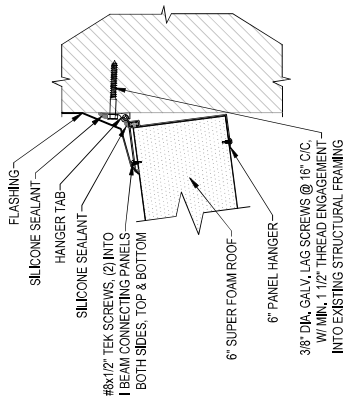
10 CONNECTION @ I BEAM

11 ROOF PANEL & I BEAM CONNECTION @ EXISTING WALL

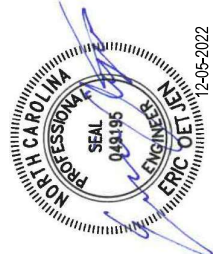
12 SECTION THROUGH 6\"/>



13 SECTION THROUGH MASTER FRAME & HEADER CONNECTION @ 6\"/>



14 SECTION THROUGH 6\"/>



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