



Existing



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LOCATION
GDI - RALEIGH
951 AVIATION PKWY, SUITE 1000
MORRISVILLE, NC, 27560
984-212-8880

ANDRE JENNINGS
21 RIDGEWAY COURT
SANDFORD, NC, 27332
JOB #20086

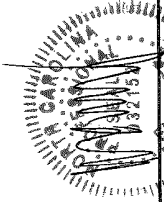
DATE: 6/2/20
DRAWN: DJF
SCALE: 1/4" = 1'-0"
SHEET: 1 OF 9

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

08/19/2020





JAMES P. JONES, INC.
NC PROFESSIONAL ENGINEER, LIC. #432152
601 ASBURY AVENUE
NATIONAL PARK, NC 28063
PH. # 856-853-7308

GREAT DAY IMPROVEMENTS, RALEIGH
JENNINGS RESIDENCE

DRAWING #	DESCRIPTION
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

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

SQUARE FOOTAGE OF SUNROOM = 180

MINIMUM DESIGN LOADS: (PER 2018 NC RESIDENTIAL BUILDING CODE / 2015 IRC)

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 15 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 (AVR) 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 LUMBER TO BE SYP #2 OR BETTER AND PRESSURE TREATED WHERE REQUIRED
 6. THIS SUNROOM CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS (PER 2015 IRC SECTION N1102.1, NOTE 2)



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BY GREAT DAY IMPROVEMENTS, LLC

LOCATION
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491 AVIATION PKWY, SUITE 1000
MORRISVILLE, NC 27560
984-212-8850

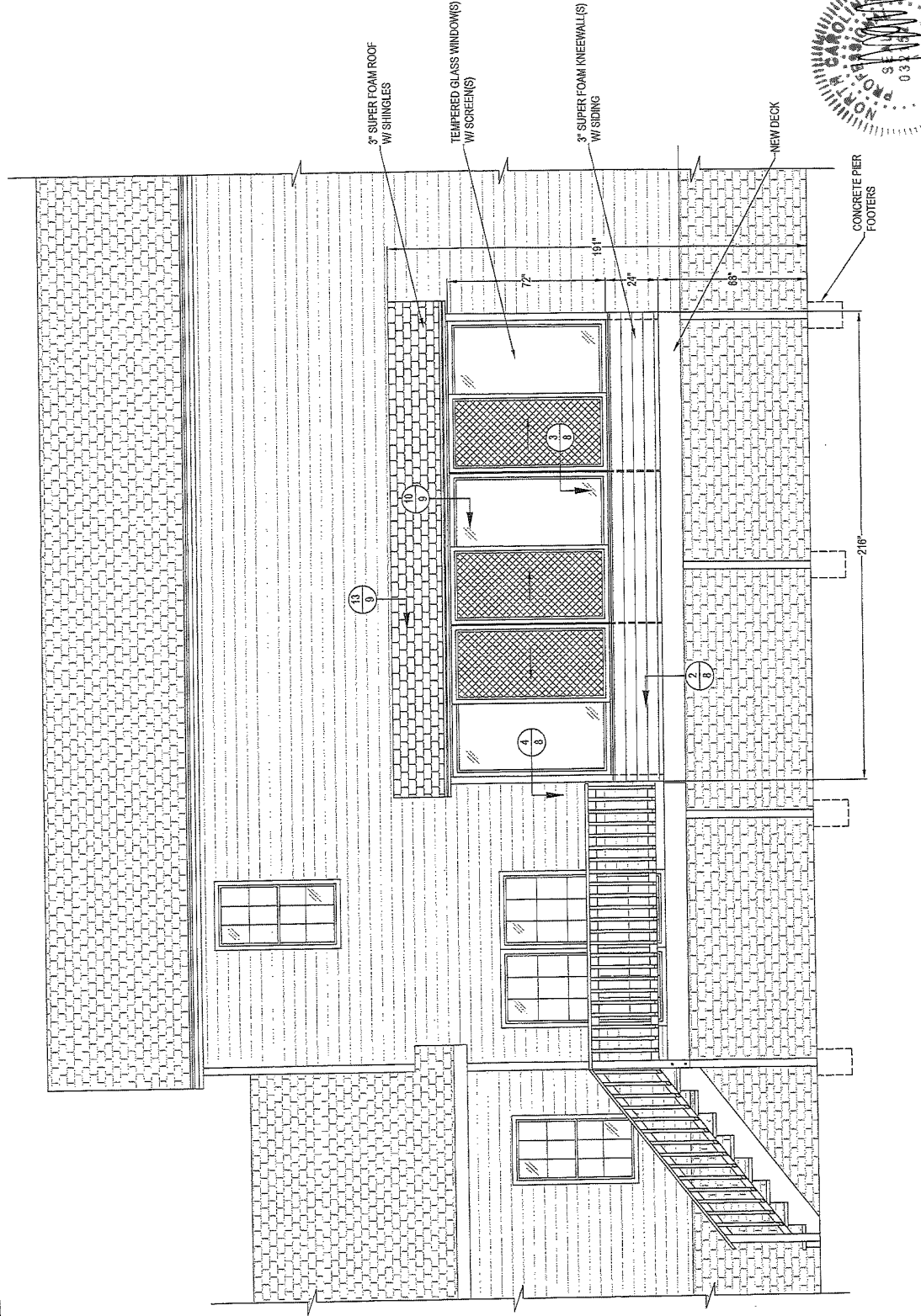
ANDRE JENNINGS
21 RIDGEWAY COURT
SANDFORD, NC 27332
JOB #20086

DATE	02/20
DRAWN	DJF
SCALE	1/4" = 1'-0"
SHEET	2 OF 9

02/23/20



JAMES A. BLANK, P.E., L.S.
PROFESSIONAL ENGINEER (NC LIC. #22152)
800 W. HARRIS AVENUE
NATIONAL PARK, N.C. 28003
PH. # 856-853-7209



ELEVATION - "B" WALL



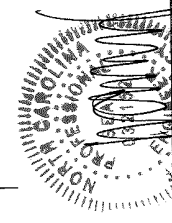
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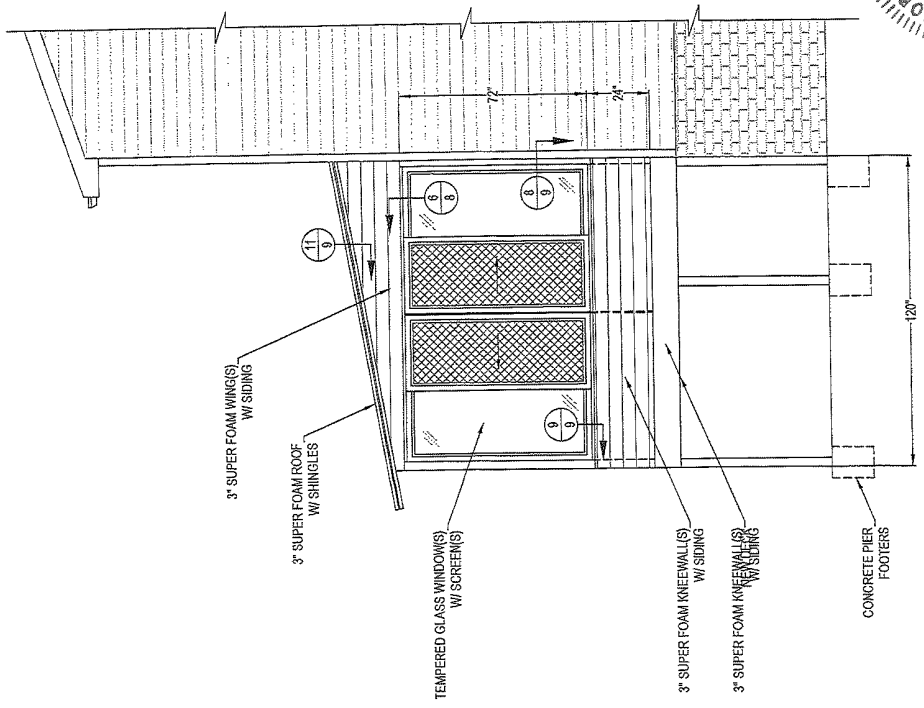
LOCATION
 GDI - RALEIGH
 951 AVIATION PKWY, SUITE 1000
 MORRISVILLE, NC, 27560
 984-212-8860

ANDRE JENNINGS
 21 RIDGEWAY COURT
 SANDFORD, NC, 27332
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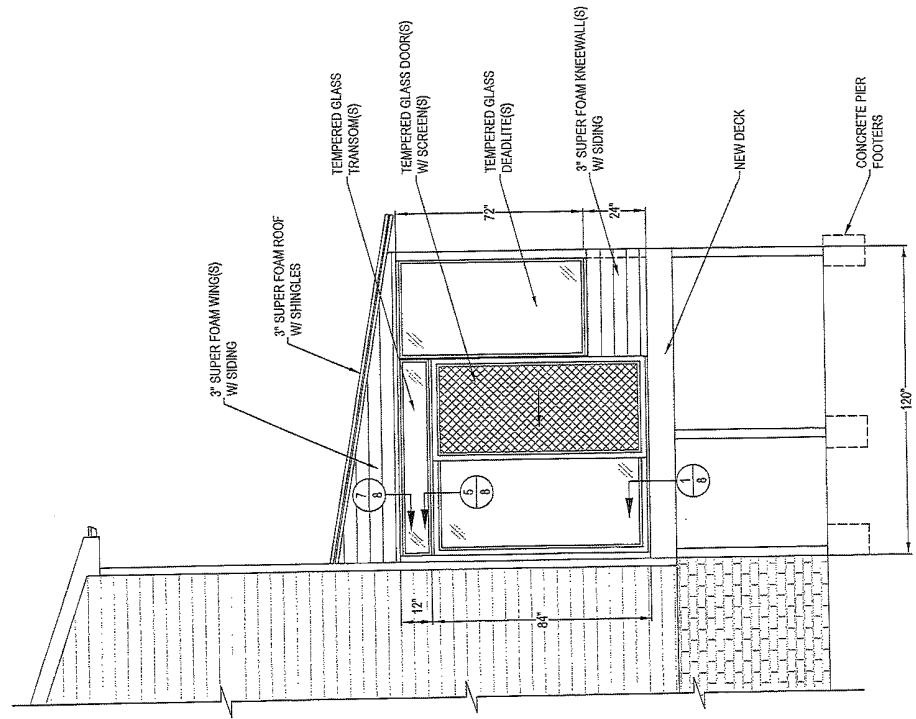
DATE	6/2/20
DRAWN	DLF
SCALE	1/4" = 1'
SHEET	3 OF 9



ANDREA CLANCY, P.E., L.S.
 NC PROFESSIONAL ENGINEER (NC LIC. #32162)
 601 ASBURY AVENUE
 NATIONAL PARK, NJ, 08063
 PH. # 856-853-7206



ELEVATION - "C" WALL



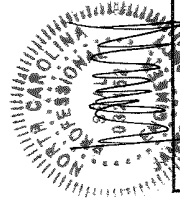
ELEVATION - "A" WALL
 (OPEN DECK & RAILING NOT SHOWN FOR CLARITY)



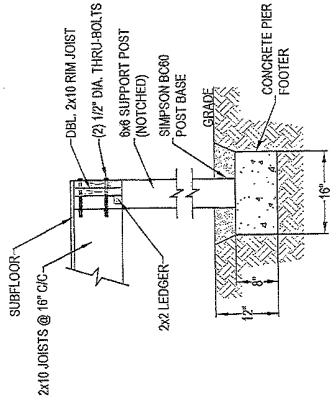
LOCATION
 GDI - RALEIGH
 951 AVIATION PKWY, SUITE 1000
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 984-212-8850

ANDRE JENNIN SS
 21 RIDGEWAY COURT
 SANDFORD, NC, 27332
 JOB #20016

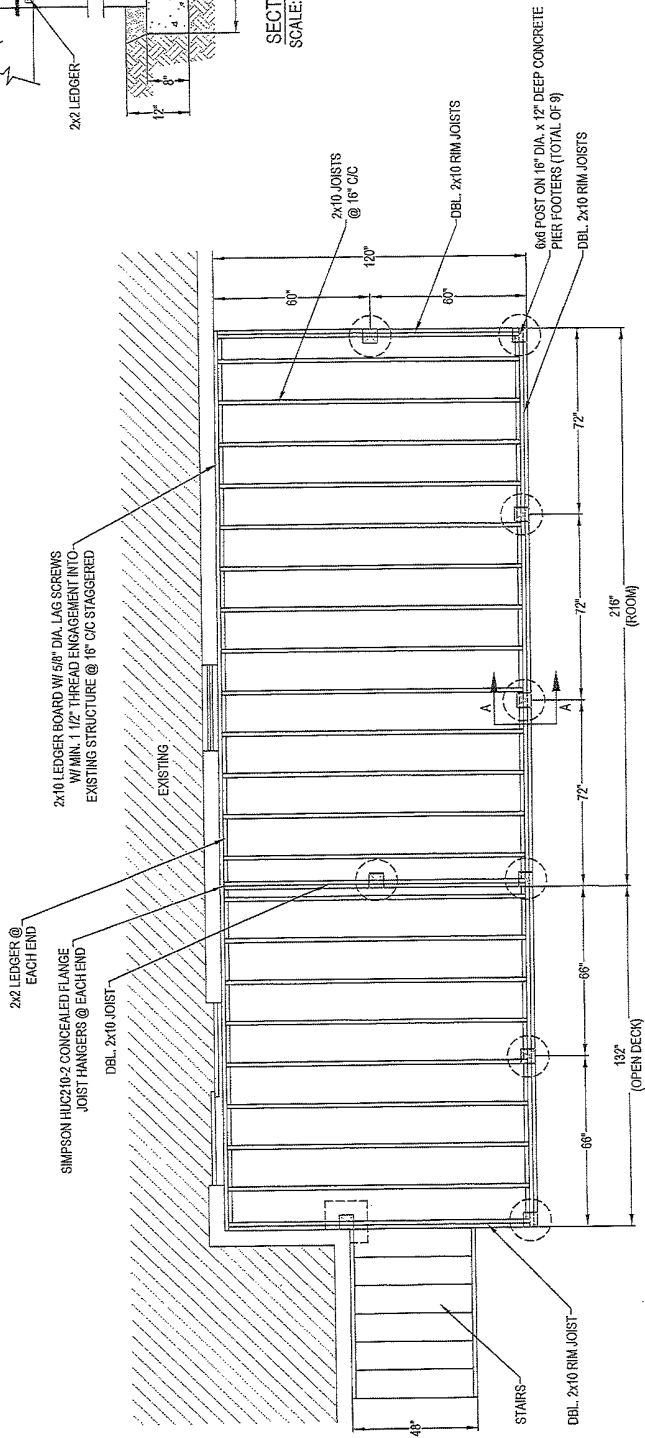
DATE	8/2/20
DRAWN	DLF
SCALE	AS NOTED
SHEET	4 OF 9



JAMES J. CAMACHO, P.E.
 NC PROFESSIONAL ENGINEER (NC, LIC. #27152)
 601 ASBURY AVENUE
 NATIONAL PARK, NJ, 08063
 PH. # 609-853-7206



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

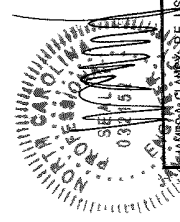


DECK PLAN
 SCALE: 1/4" = 1'-0"

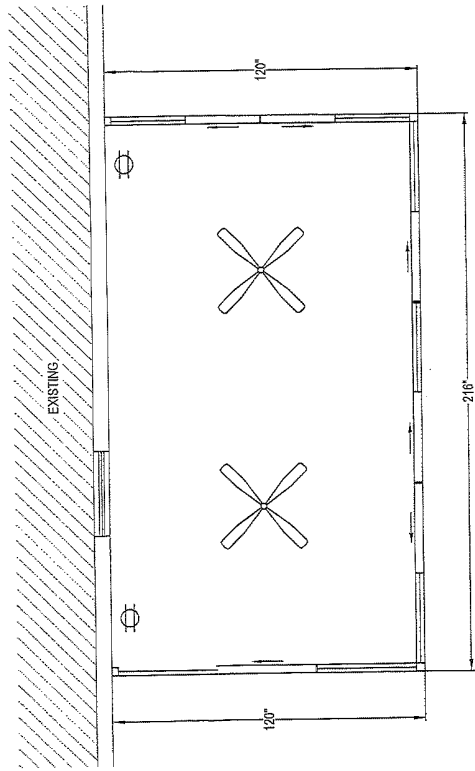
NOTE:
 1. DECK TO BE BUILT PER 2018 NC RESIDENTIAL CODE
 2. ALL LUMBER TO BE SOUTHERN PINE



6/2/20



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ELECTRICAL PLAN

GDI ELECTRICAL SYMBOL LEGEND

	DUPLX RECEPTACLE
	CEILING FAN



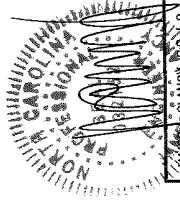
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DATE	8/2/20
DRAWN	DLF
SCALE	1/8" = 1'-0"
SHEET	6 OF 9

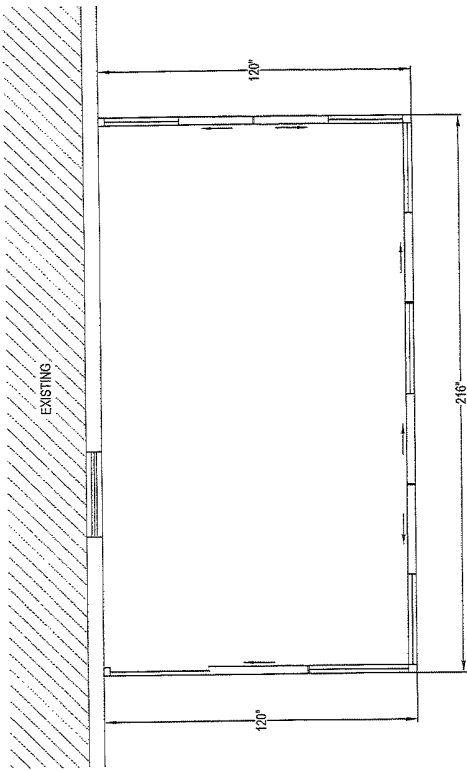
ANDRE JENNINGS
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SANDFORD, NC. 27332
JOB #20086

LOCATION
GDI - RATEIGH
951 AVIATION PKWY, SUITE 1000
MORRISVILLE, NC. 27560
984-212-8850

00123170



JAMES CHANCY, P.E., L.S.
NC. PROFESSIONAL ENGINEER (NC. LIC. #32152)
601 ASBURY AVENUE
NATIONAL PARK, NJ. 08063
PH. # 656-863-7306



FLOOR PLAN



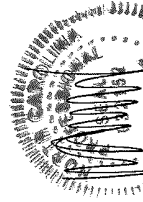
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LOCATION
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961 AVIATION PKWY, SUITE 1000
MORRISVILLE, NC. 27560
984-212-8860

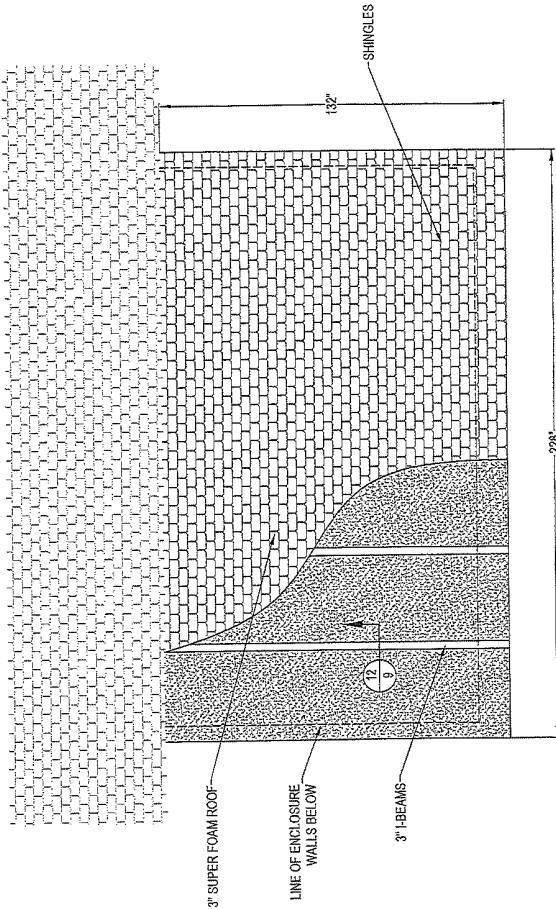
ANDRE JENNINGS
21 RIDGEWAY COURT
SANDFORD, NC. 27332
JOB #20086

DATE	6/2/20
DRAWN	DLF
SCALE	1/4" = 1'-0"
SHEET	7 OF 9



JAMES K. TAYLOR, P.E.
NC. PROFESSIONAL ENGINEER, LIC. #621152
601 ASBURY PARK, N.W.
NATIONAL PARK, N.C. 28063
PH. # 856-853-7306

06/23/20



ROOF PLAN



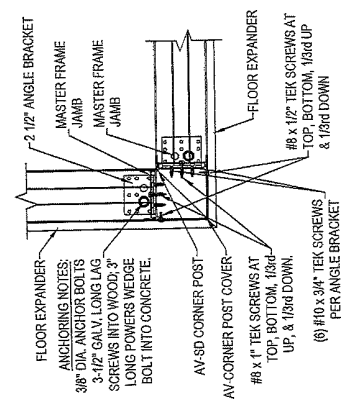
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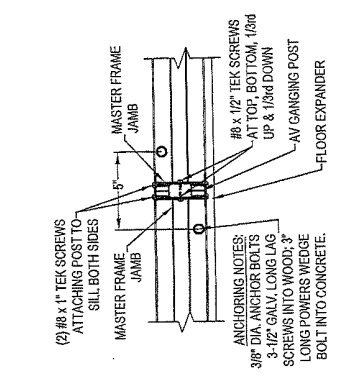
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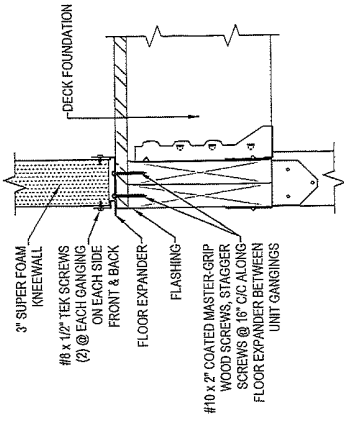
DATE	6/2/20
DRAWN	DJF
SCALE	1/12" = 1'-0"
SHEET	8 OF 9



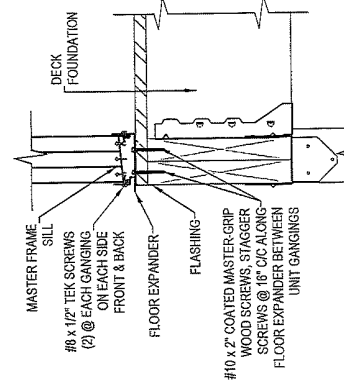
4 PLAN VIEW OF MASTER FRAME JAMBS
 CONNECTION @ CORNER POST



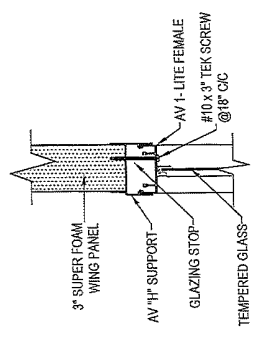
3 PLAN VIEW OF MASTER FRAME JAMBS
 CONNECTION @ GANGING POST



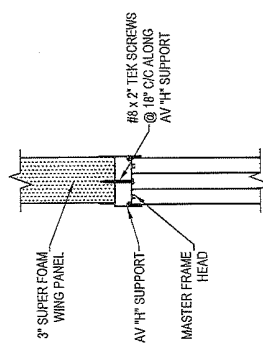
2 SECTION THROUGH FOAM KNEEWALL
 CONNECTION @ DECK FOUNDATION



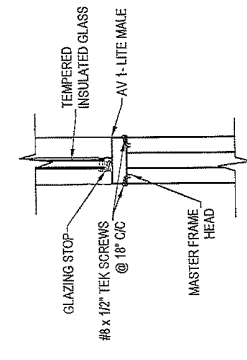
1 SECTION THROUGH MASTER FRAME SILL
 CONNECTION @ DECK FOUNDATION



7 SECTION THROUGH H & G GLASS TRANSOM
 CONNECTION @ FOAM WING



6 SECTION THROUGH MASTER FRAME
 HEAD CONNECTION @ FOAM WING



5 SECTION THROUGH MASTER FRAME HEAD
 CONNECTION @ GLASS TRANSOM

051 231 2

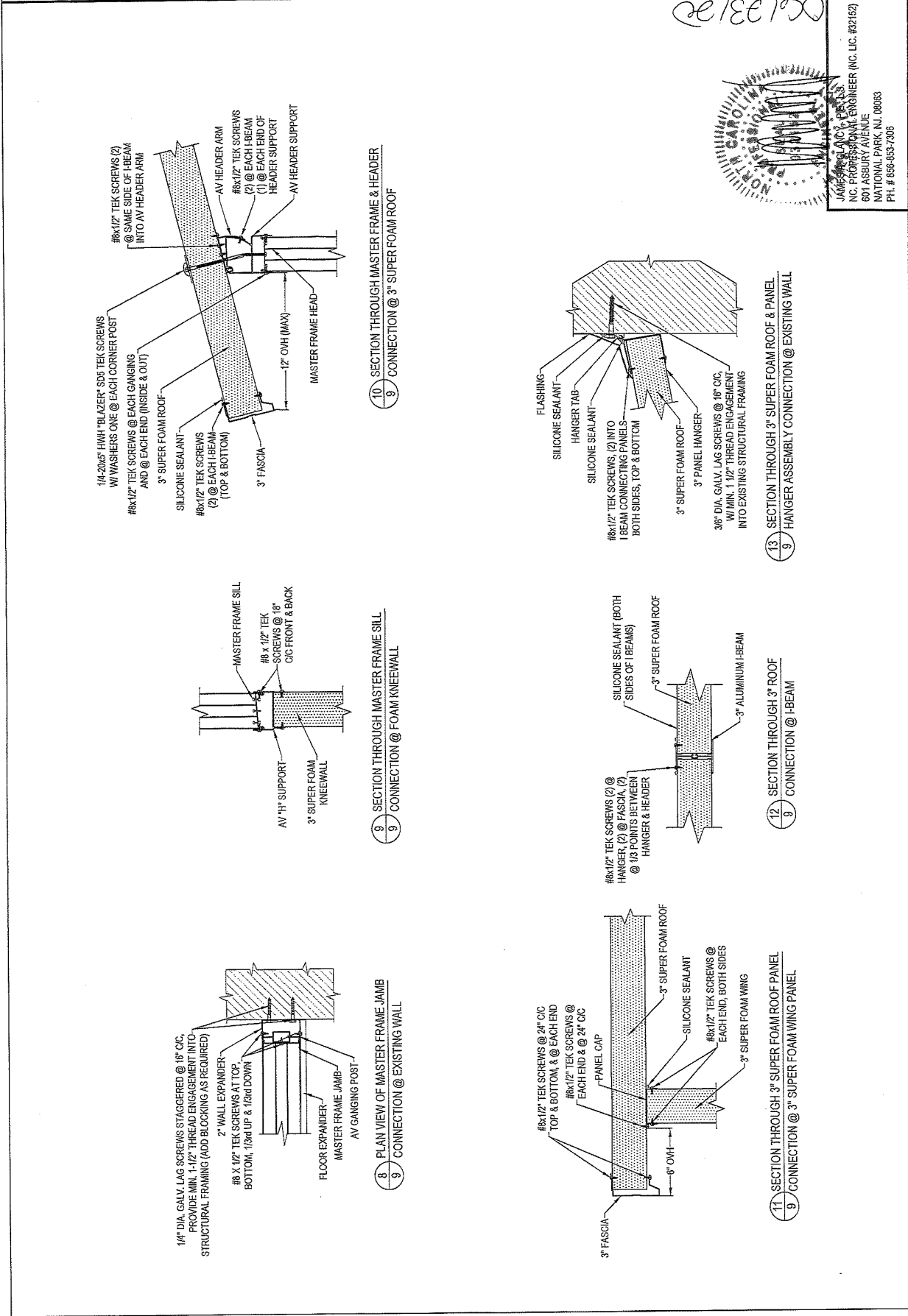


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SHEET	9 OF 9

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1/4-20x5" HWH "BLAZER" SDS TEK SCREWS
 W/ WASHERS ONE @ EACH CORNER POST
 #8x1/2" TEK SCREWS @ EACH GANGING
 AND @ EACH END (INSIDE & OUT)
 3" SUPER FOAM ROOF
 SILICONE SEALANT
 #8x1/2" TEK SCREWS
 (2) @ EACH I-BEAM
 (TOP & BOTTOM)
 3" FASCIA
 12" OVH (MAX)
 MASTER FRAME HEAD
 AV HEADER SUPPORT
 AV HEADER ARM
 #8x1/2" TEK SCREWS
 (2) @ EACH I-BEAM
 (1) @ EACH END OF
 HEADER SUPPORT

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

FLASHING
 SILICONE SEALANT
 HANGER TAB
 SILICONE SEALANT
 #8x1/2" TEK SCREWS (2) INTO
 I-BEAM CONNECTING PANELS
 BOTH SIDES, TOP & BOTTOM
 3" SUPER FOAM ROOF
 3" PANEL HANGER
 3/8" DIA. GALV. LAG SCREWS @ 16" O.C.
 W/ MIN. 1 1/2" THREAD ENGAGEMENT
 INTO EXISTING STRUCTURAL FRAMING

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

MASTER FRAME SILL
 #8 x 1/2" TEK
 SCREWS @ 18"
 O.C. FRONT & BACK
 AV "H" SUPPORT
 3" SUPER FOAM
 KNEEWALL

9 SECTION THROUGH MASTER FRAME SILL
 CONNECTION @ FOAM KNEEWALL

SILICONE SEALANT (BOTH
 SIDES OF I-BEAMS)
 3" SUPER FOAM ROOF
 3" ALUMINUM I-BEAM
 #8x1/2" TEK SCREWS (2) @
 FASCIA (2)
 HANGER (2) @ FASCIA (2)
 @ 1/3 POINTS BETWEEN
 HANGER & HEADER

12 SECTION THROUGH 3" ROOF
 CONNECTION @ I-BEAM

1/4" DIA. GALV. LAG SCREWS STAGGERED @ 16" O.C.
 PROVIDE MIN. 1-1/2" THREAD ENGAGEMENT INTO
 STRUCTURAL FRAMING (ADD BLOCKING AS REQUIRED)
 2" WALL EXPANDER
 #8 X 1/2" TEK SCREWS AT TOP,
 BOTTOM, 1/2" UP & 1/2" DOWN
 FLOOR EXPANDER
 MASTER FRAME JAMB
 AV GANGING POST

8 PLAN VIEW OF MASTER FRAME JAMB
 CONNECTION @ EXISTING WALL

#8x1/2" TEK SCREWS @ 24" O.C.
 TOP & BOTTOM, & @ EACH END
 #8x1/2" TEK SCREWS @
 EACH END & @ 24" O.C.
 PANEL CAP
 3" SUPER FOAM ROOF
 SILICONE SEALANT
 #8x1/2" TEK SCREWS @
 EACH END, BOTH SIDES
 3" SUPER FOAM WING
 6" OVH

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

06133122

