

**GREAT DAY IMPROVEMENTS, RALEIGH  
HEINZ RESIDENCE**

| DRAWING # | DESCRIPTION              |
|-----------|--------------------------|
| 1         | COVER                    |
| 2         | ELEVATION "B" WALL       |
| 3         | ELEVATION "A" & "C" WALL |
| 4         | DECK PLAN                |
| 5         | FLOOR PLAN               |
| 6         | SYSTEM DETAILS           |

**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:**
1. GROUND SNOW LOAD 15 PSF

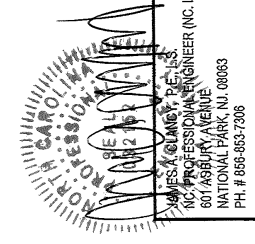
**ULTIMATE DESIGN WIND SPEED:** 120 MPH, 3 SEC. GUSTS

- LIVE LOADS:**
1. ROOF: 40 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 EXISTING DECK AND UNDER EXISTING ROOF
  3. NO HEAT OR ELECTRICAL BY GDI
  4. THIS SUNROOM CONSIDERED AS NON-CONDITIONED SPACE. EXEMPT FROM ENERGY REQUIREMENTS (PER 2015 IRC SECTION N1102.1, NOTE 2)

NOTE: THIS STRUCTURE HAS BEEN EVALUATED FOR VERTICAL AND LATERAL LOADS REQUIRED BY THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.  
 SQUARE FOOTAGE OF SUNROOM = 137.5



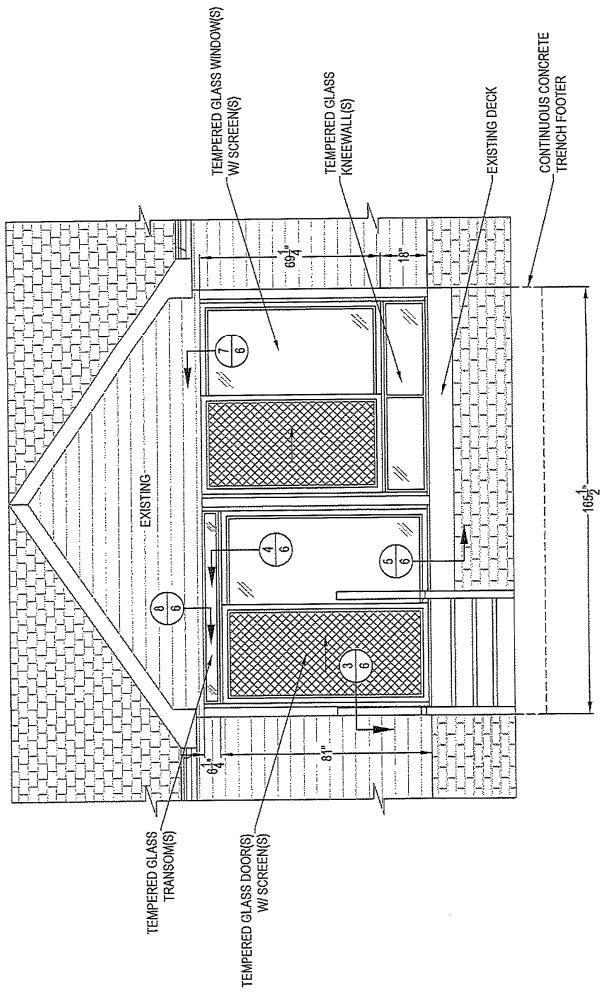
James A. Lamb



|          |  |  |                 |              |                       |                 |
|----------|--|--|-----------------|--------------|-----------------------|-----------------|
| LOCATION | GDI - RALEIGH<br>951 AVIATION PKWY, SUITE 1000<br>MORRISVILLE, NC, 27560<br>984-212-8850 | KURT HEINZ<br>5482 US 421 N<br>LILLINGTON, NC, 27546<br>JOB #20059 | DATE<br>5/27/20 | DRAWN<br>VNG | SCALE<br>1/4" = 1'-0" | SHEET<br>2 OF 6 |
|----------|--|--|-----------------|--------------|-----------------------|-----------------|

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SEAL  
10/2/20  
NORTH CAROLINA  
PROFESSIONAL ENGINEER  
JAMES P. CLARK, P.E.  
NC. PROFESSIONAL ENGINEER (NC. LIC. #32162)  
601 ASBURY AVENUE  
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PH. # 866-853-7206



ELEVATION - "B" WALL



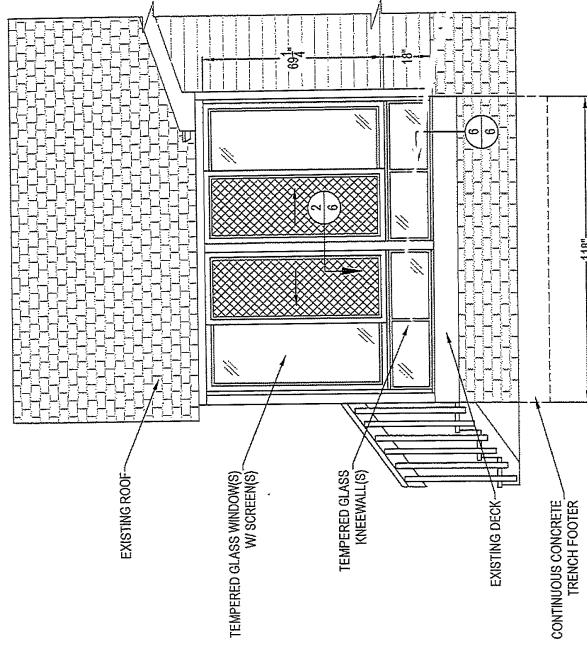
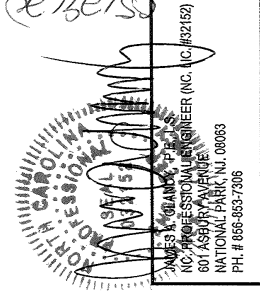
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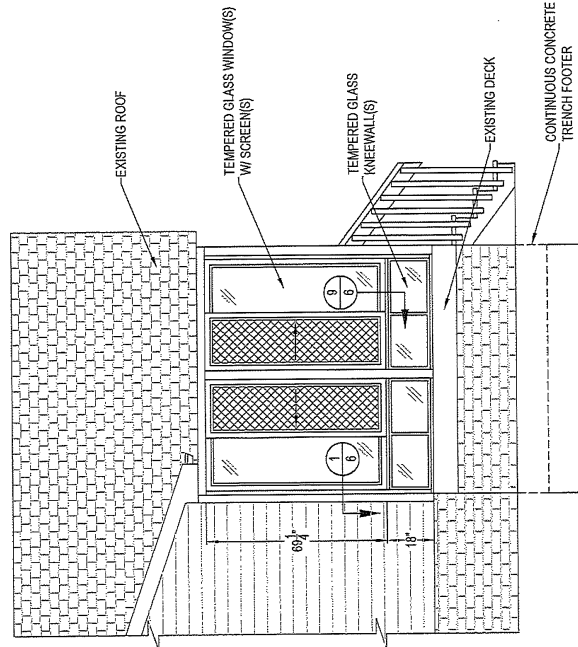
LOCATION  
 GDI - RALEIGH  
 951 AVIATION PKWY, SUITE 1000  
 MORRISVILLE, NC, 27560  
 984-212-8850

KURT HEINZ  
 5482 US 421 N  
 LILLINGTON, NC 27546  
 JOB #20053

DATE 5/27/20  
 DRAWN VNG  
 SCALE 1/4" = 1'-0"  
 SHEET 3 OF 6



ELEVATION - "C" WALL



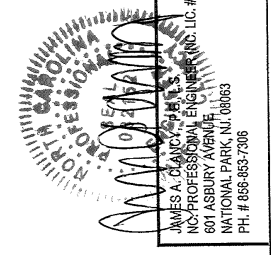
ELEVATION - "A" WALL



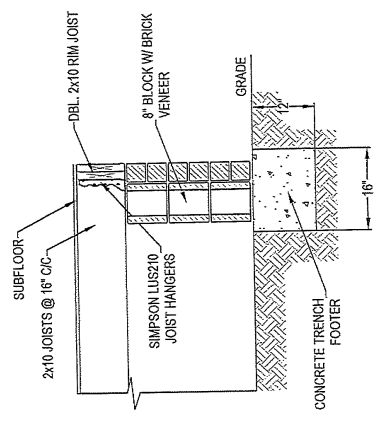
LOCATION  
 GDI - RALEIGH  
 951 AVIATION PKWY, SUITE 1000  
 MORRISVILLE, NC, 27560  
 984-212-8850

KURT HEINZ  
 5482 US 421 N  
 LILLINGTON, NC, 27546  
 JOB #20059

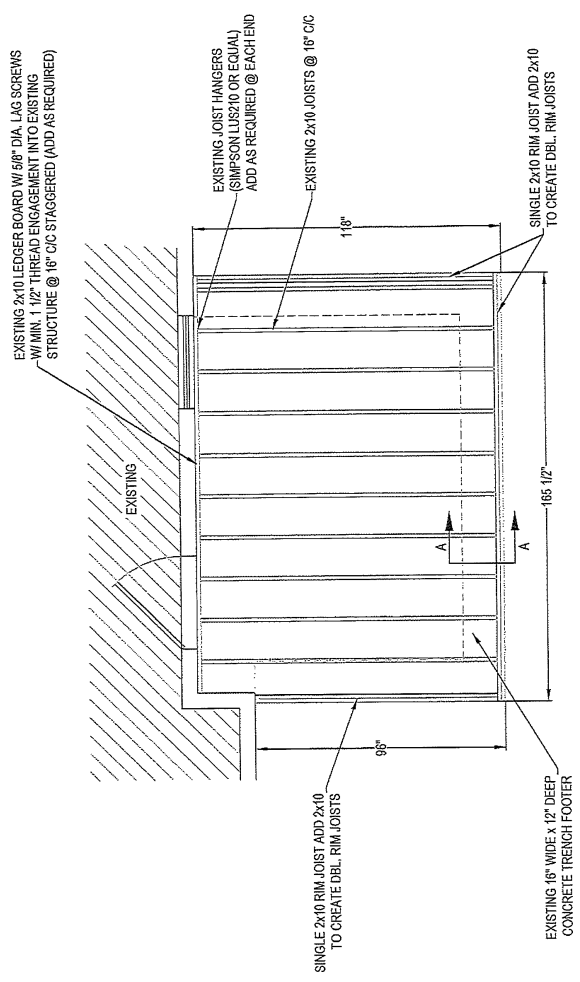
|       |          |
|-------|----------|
| DATE  | 5/27/20  |
| DRAWN | VNG      |
| SCALE | AS NOTED |
| SHEET | 4 OF 6   |



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



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

NOTE:  
 ALL LUMBER TO BE SOUTHERN PINE



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

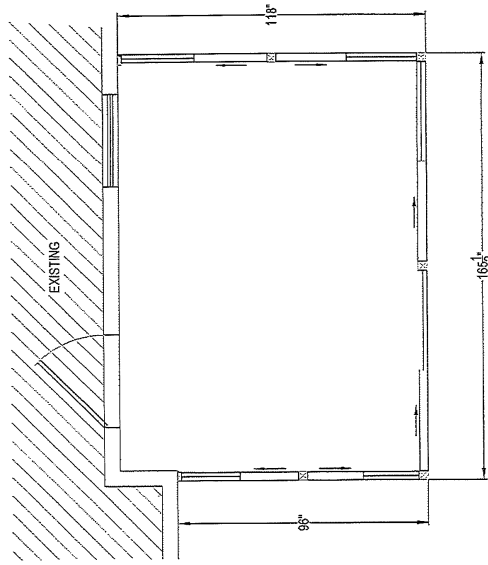
KURT HEINZ  
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LILLINGTON, NC, 27546  
JOB #20059

|       |              |
|-------|--------------|
| DATE  | 5/27/20      |
| DRAWN | VING         |
| SCALE | 1/4" = 1'-0" |
| SHEET | 5 OF 6       |

06/30/20



JAMES A. G. TAYLOR, P. E.  
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FLOOR PLAN

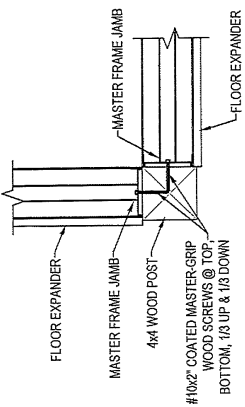


BY GREAT DAY IMPROVEMENTS, LLC

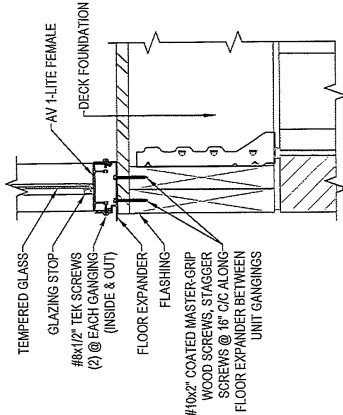
LOCATION  
 GDI - RALEIGH  
 951 AVIATION PKWY, SUITE 1000  
 MORRISVILLE, NC, 27560  
 984-272-8850

KURT HEINZ  
 5482 US 421 N  
 LILLINGTON, NC, 27546  
 JOB #20059

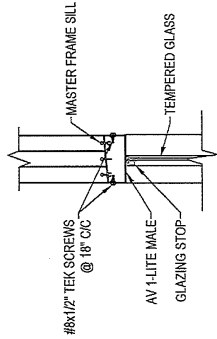
|       |               |
|-------|---------------|
| DATE  | 5/27/20       |
| DRAWN | VNS           |
| SCALE | 1/12" = 1'-0" |
| SHEET | 6 OF 6        |



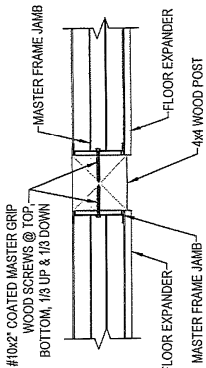
3 PLAN VIEW OF MASTER FRAME JAMBS  
 CONNECTION @ 4x4 WOOD POST



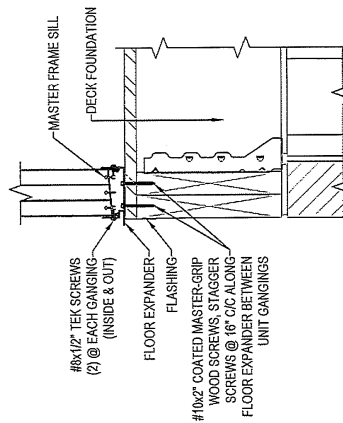
6 SECTION THROUGH GLASS KNEEWALL  
 CONNECTION @ DECK FOUNDATION



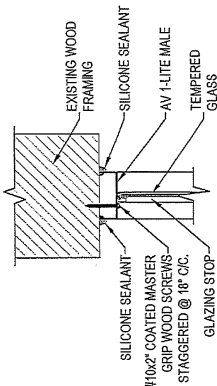
9 SECTION THROUGH MASTER FRAME SILL  
 CONNECTION @ GLASS KNEEWALL



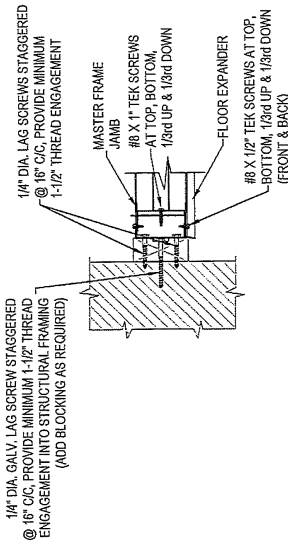
2 PLAN VIEW OF MASTER FRAME JAMBS  
 CONNECTION @ 4x4 WOOD POST



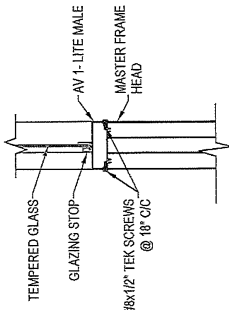
5 SECTION THROUGH MASTER FRAME SILL  
 CONNECTION @ DECK FOUNDATION



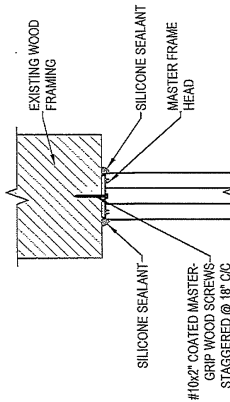
8 SECTION THROUGH GLASS TRANSOM  
 CONNECTION @ EXISTING HEADER



1 PLAN VIEW OF MASTER FRAME JAMBS  
 CONNECTION @ EXISTING WALL



4 SECTION THROUGH MASTER FRAME HEAD  
 CONNECTION @ GLASS TRANSOM



7 SECTION THROUGH MASTER FRAME HEAD  
 CONNECTION @ EXISTING HEADER

PROFESSIONAL SEAL  
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