



GREAT DAY IMPROVEMENTS, RALEIGH  
WATSON RESIDENCE

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 20 PSF

ULTIMATE DESIGN WIND SPEED: 115 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 (CA5) SUNROOM; WHITE IN COLOR
2. CONSTRUCT SUNROOM ON EXISTING DECK & UNDER EXISTING ROOF
3. NO HEAT BY GDI; ELECTRICAL BY GDI
4. ALL LUMBER TO BE SYP #2 OR BETTER AND PRESSURE TREATED WHERE REQUIRED
5. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE, EXEMPT FROM ENERGY REQUIREMENTS (PER 2015 IRC SECTION N1102.1, NOTE 2)

| <u>DRAWING #</u> | <u>DESCRIPTION</u>       |
|------------------|--------------------------|
| 1                | COVER                    |
| 2                | ELEVATION "B" WALL       |
| 3                | ELEVATION "A" & "C" WALL |
| 4                | FOUNDATION PLAN          |
| 5                | ELECTRICAL PLAN          |
| 6                | FLOOR PLAN               |
| 7                | SYSTEM DETAILS           |
| 8                | 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 = 128

LOCATION

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

KEN WATSON  
960 CAROLINA WAY  
SANFORD, NC 27332  
JOB #20225



JAMES A. CLANCY, P.E., L.S.  
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PH. # 856-853-7306

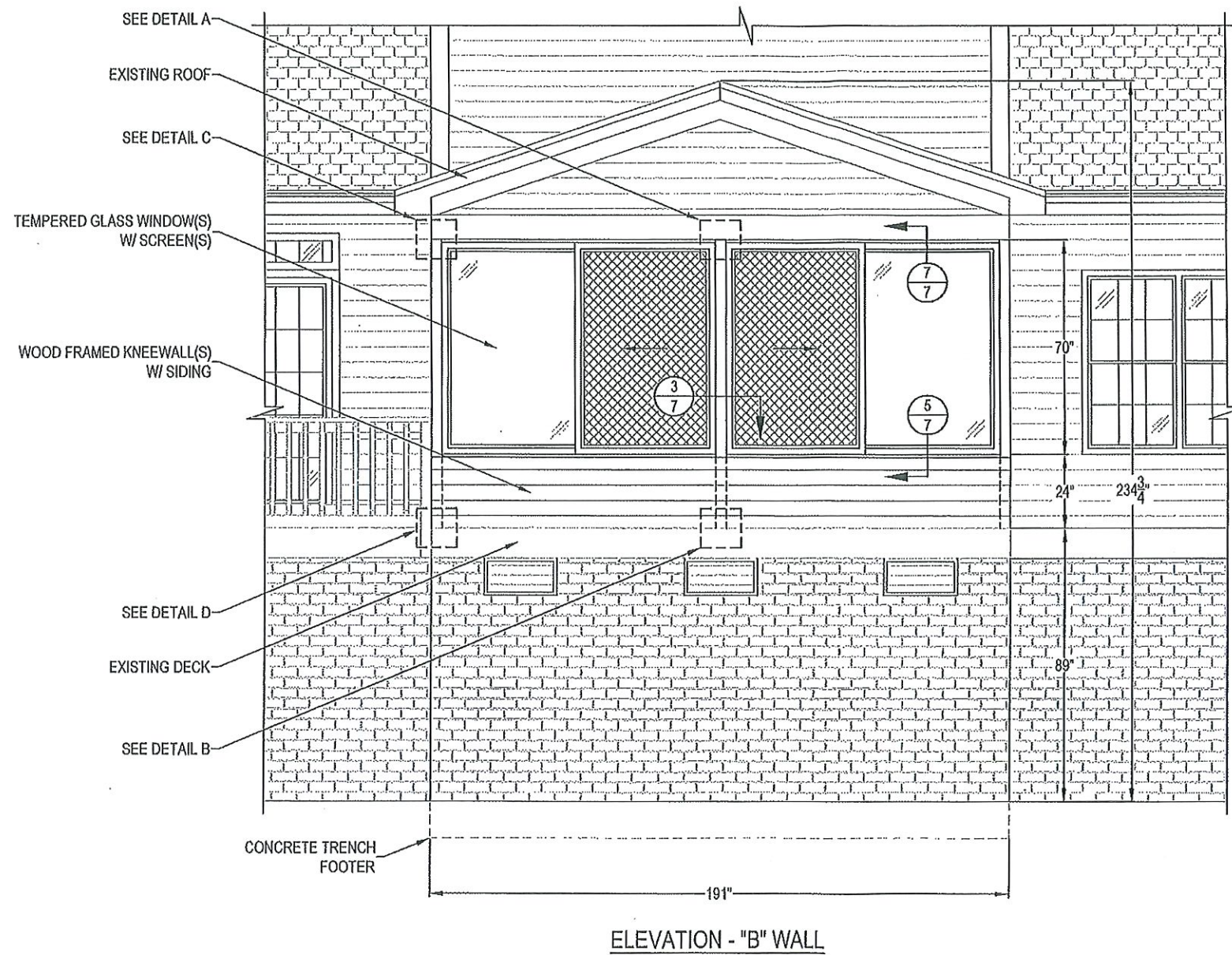
DATE  
1/22/21

DRAWN  
MTS

SCALE  
1/4" = 1'-0"

SHEET  
1 OF 8

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LOCATION  
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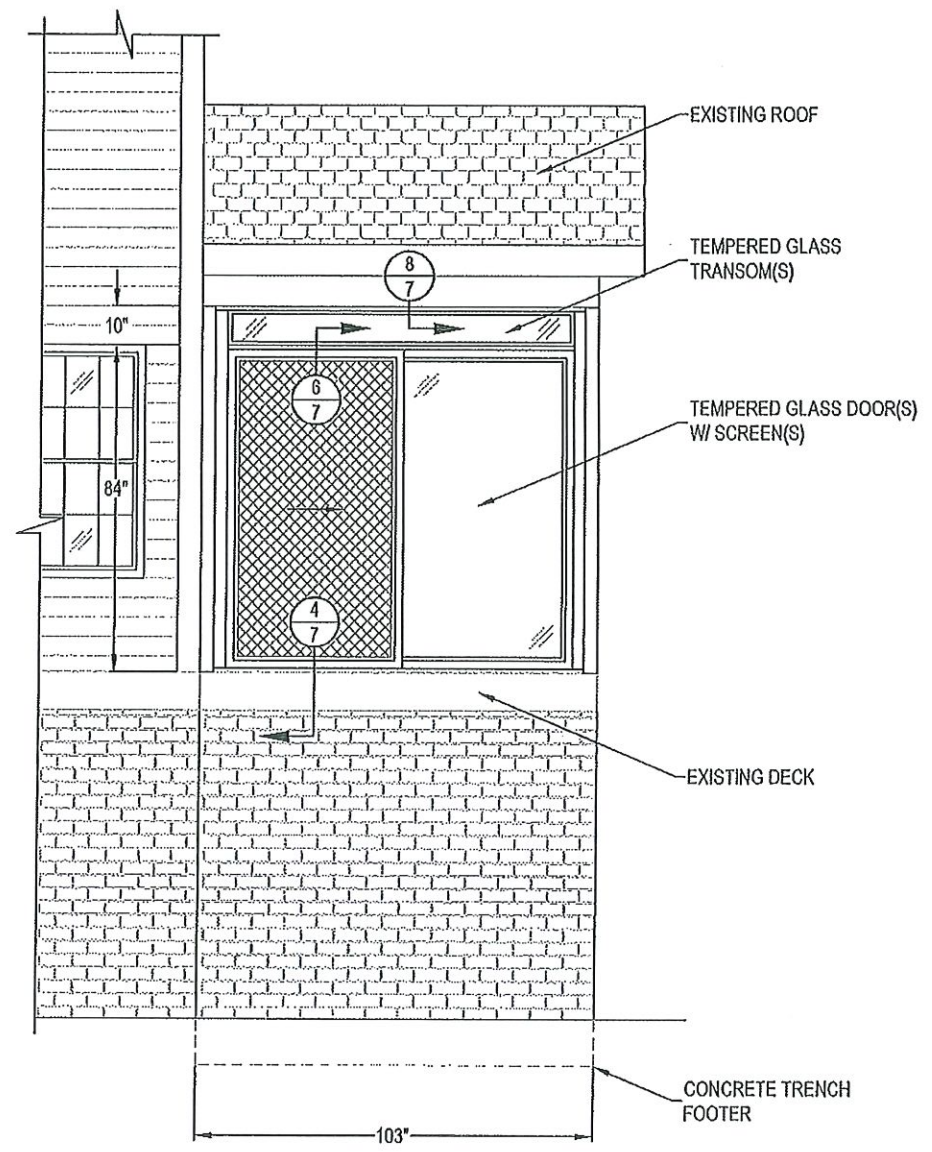
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| DATE  | 1/22/21      |
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| SHEET | 2 OF 8       |

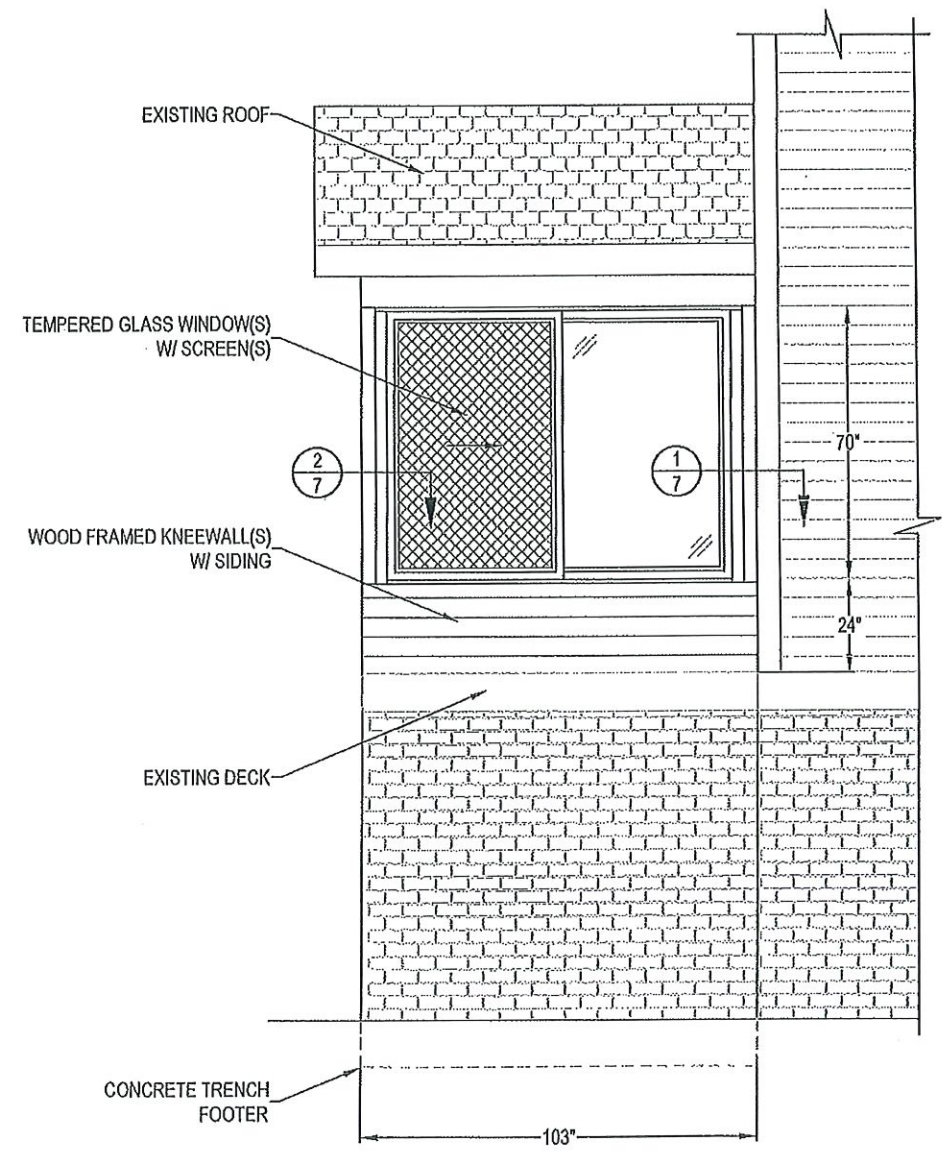


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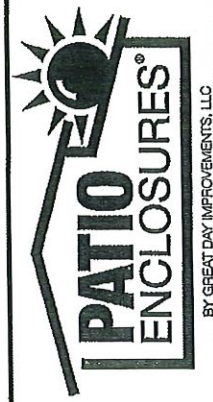
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ELEVATION - "A" WALL  
(RAILING NOT SHOWN FOR CLARITY)



ELEVATION - "C" WALL



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| SCALE | 1/4" = 1'-0" |
| SHEET | 3 OF 8       |

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BY GREAT DAY IMPROVEMENTS, LLC

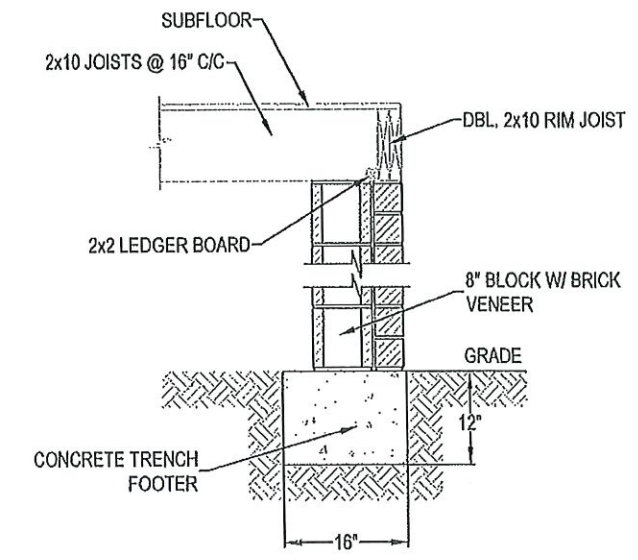
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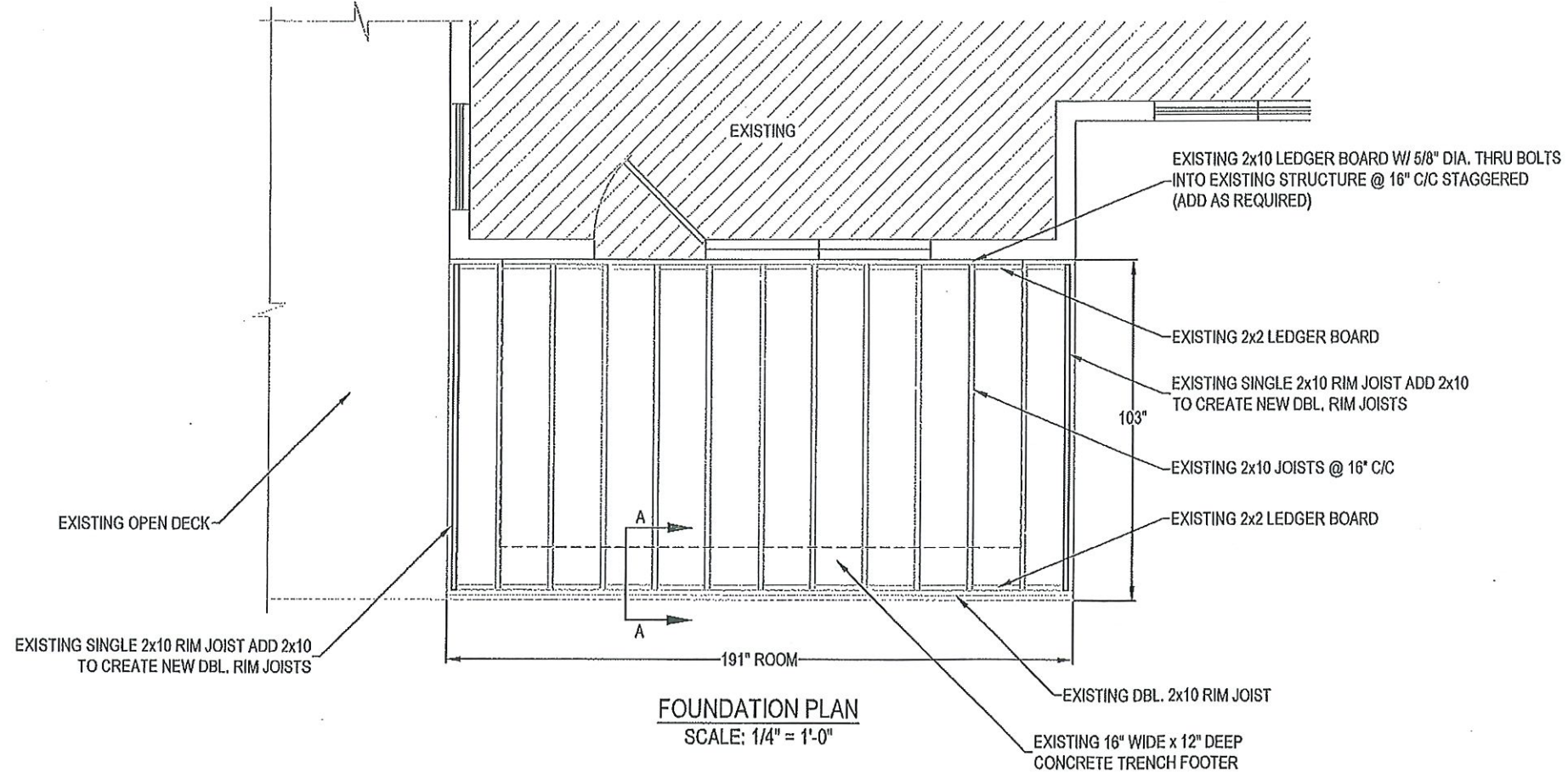
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| SCALE | AS NOTED |
| SHEET | 4 OF 8   |

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



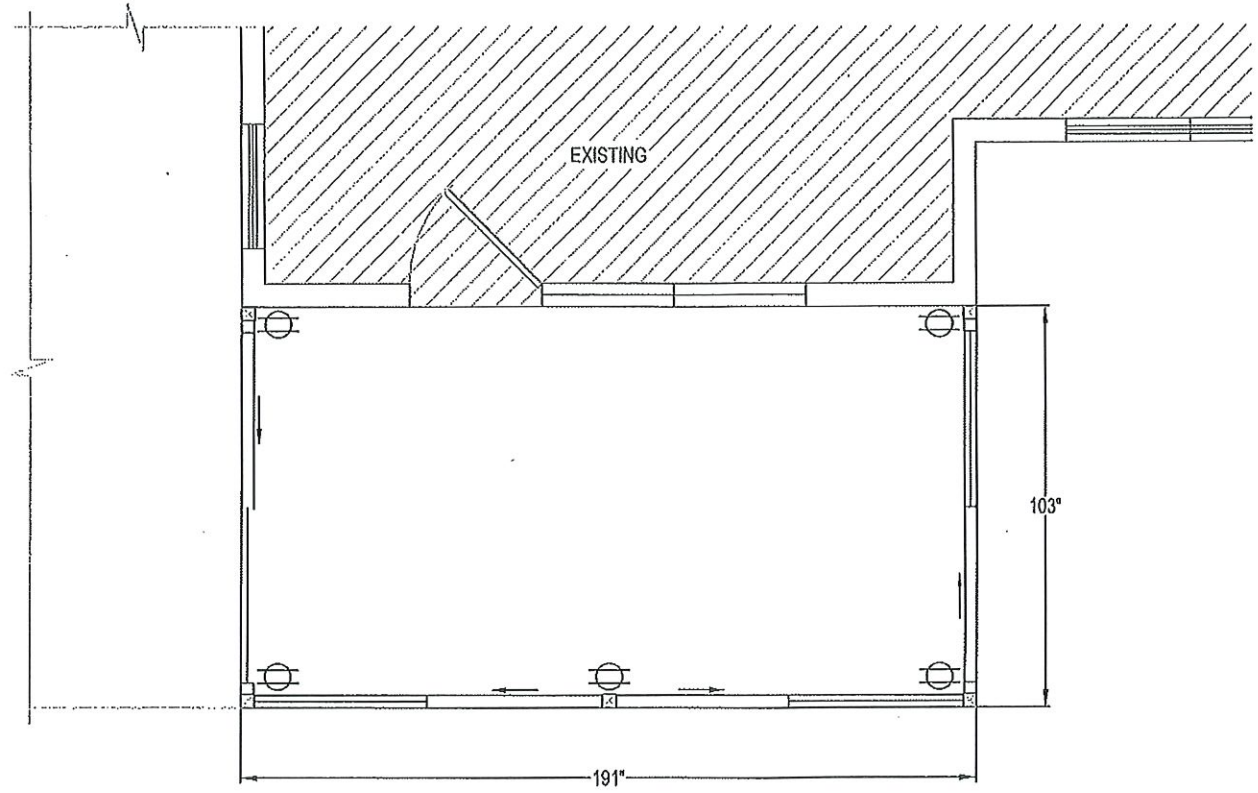
FOUNDATION PLAN  
 SCALE: 1/4" = 1'-0"

NOTE: ALL NEW LUMBER TO BE SOUTHERN YELLOW PINE



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1/27/21



ELECTRICAL PLAN

GDI ELECTRICAL SYMBOL LEGEND

 DUPLEX RECEPTACLE

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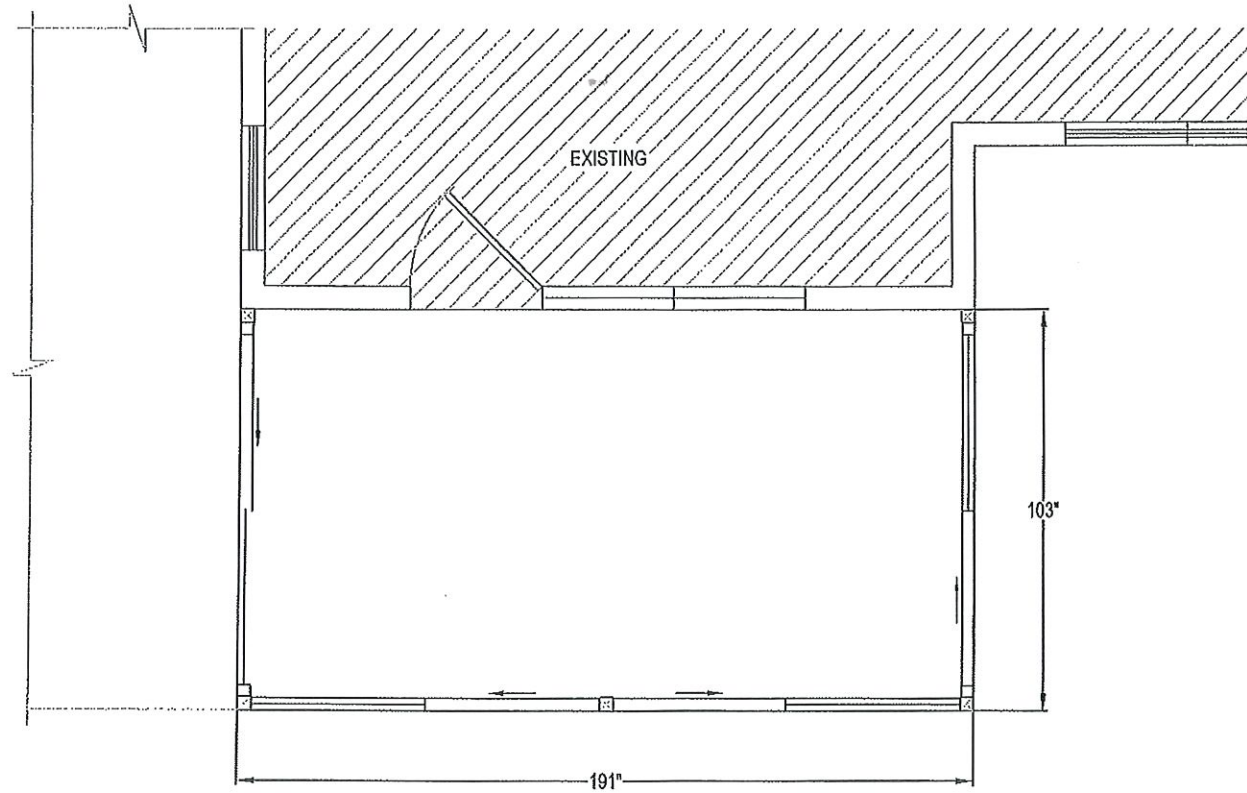
SHEET 5 OF 8

*1/27/21*



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FLOOR PLAN



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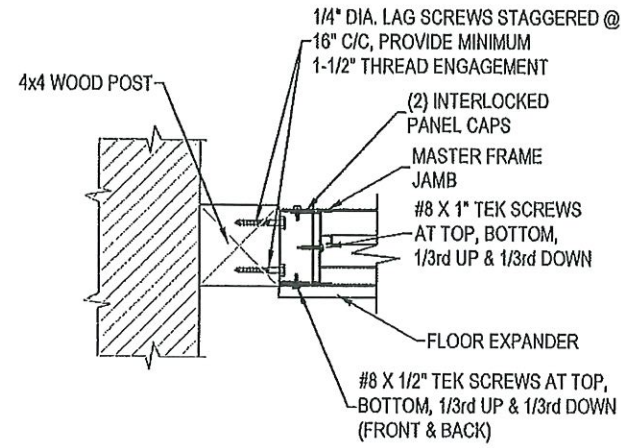


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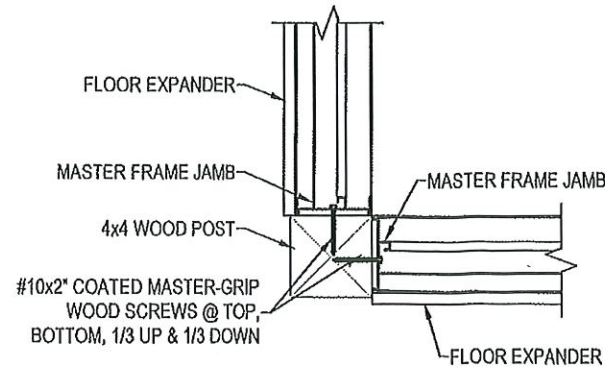
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| SHEET | 6 OF 8       |

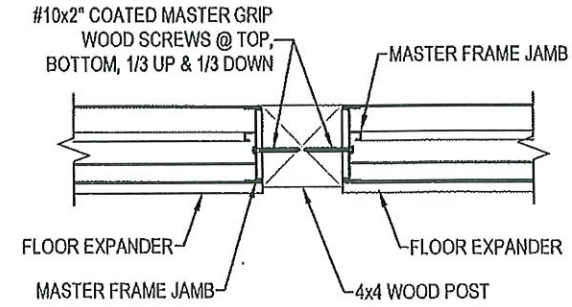
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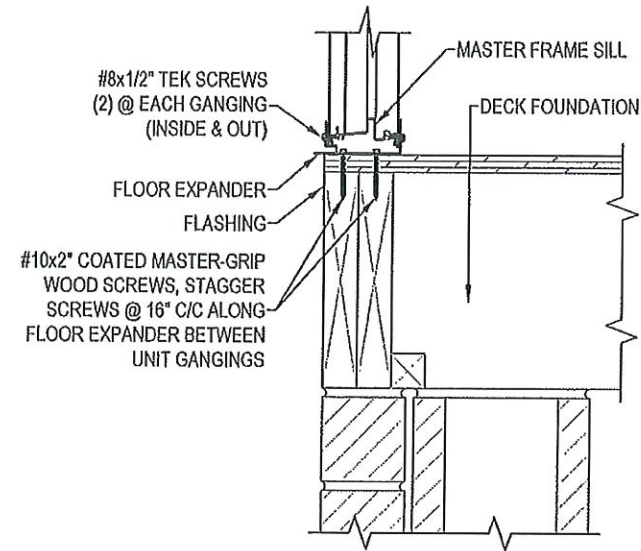
1  
7 PLAN VIEW OF MASTER FRAME JAMBS  
7 CONNECTION @ EXISTING WALL



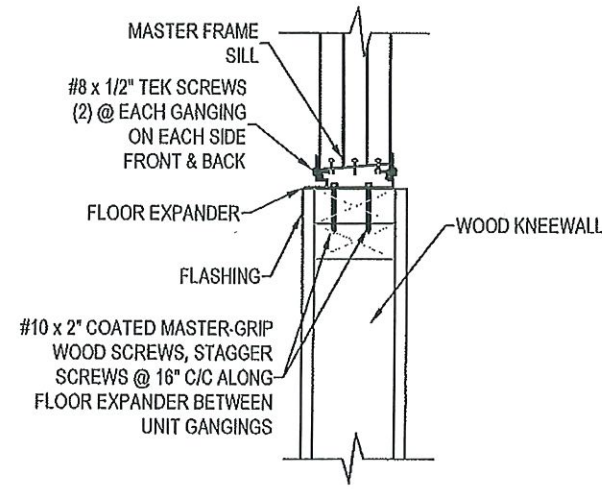
2  
7 PLAN VIEW OF MASTER FRAME JAMBS  
7 CONNECTION @ 4x4 WOOD POST



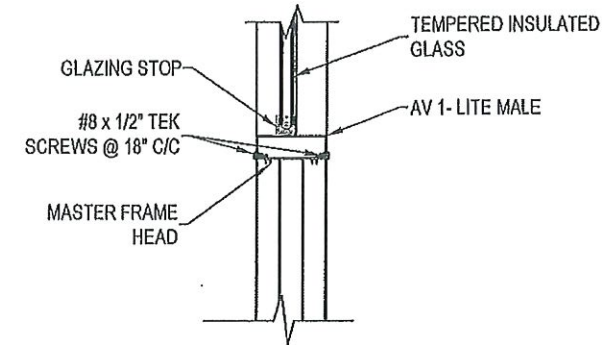
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7 PLAN VIEW OF MASTER FRAME JAMBS  
7 CONNECTION @ 4x4 WOOD POST



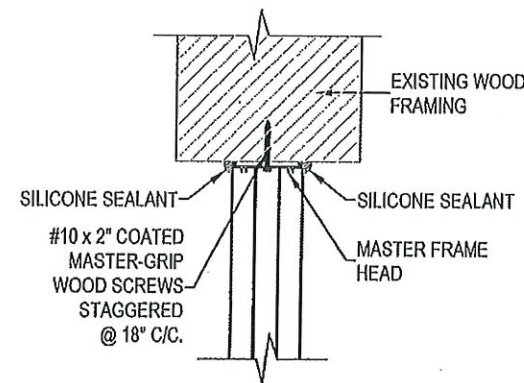
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7 SECTION THROUGH MASTER FRAME SILL  
7 CONNECTION @ DECK FOUNDATION



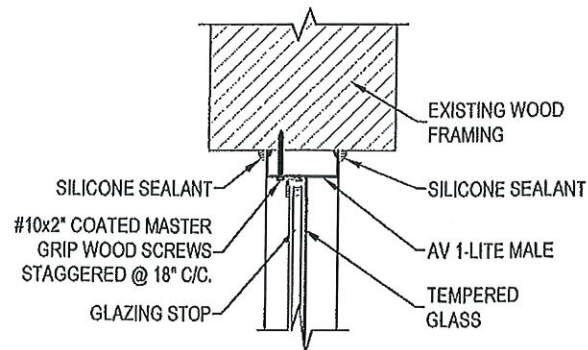
5  
7 SECTION THROUGH MASTER FRAME SILL  
7 CONNECTION @ WOOD KNEEWALL



6  
7 SECTION THROUGH MASTER FRAME HEAD  
7 CONNECTION @ GLASS TRANSOM



7  
7 SECTION THROUGH MASTER FRAME HEAD  
7 CONNECTION @ EXISTING HEADER



8  
7 SECTION THROUGH GLASS TRANSOM  
7 CONNECTION @ EXISTING HEADER



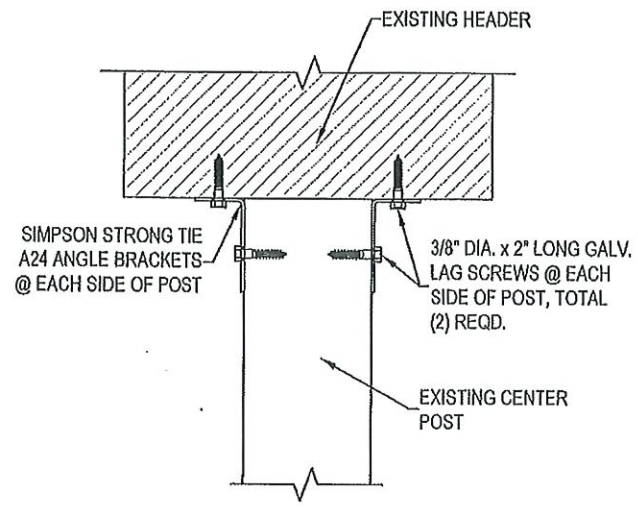
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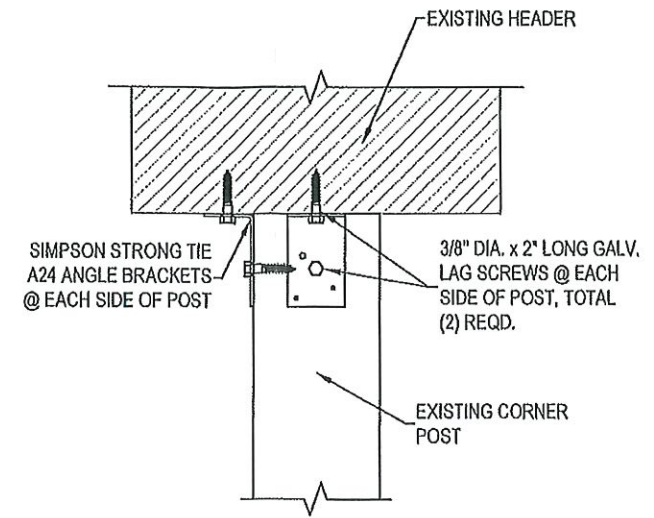
DATE 1/22/21  
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SCALE 1 1/2" = 1'-0"  
SHEET 7 OF 8

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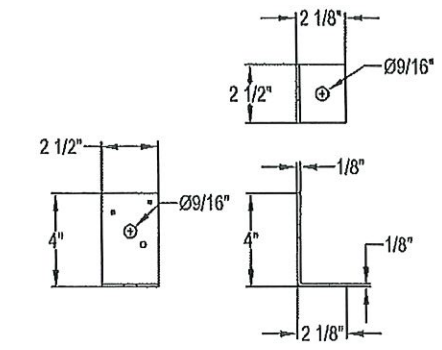
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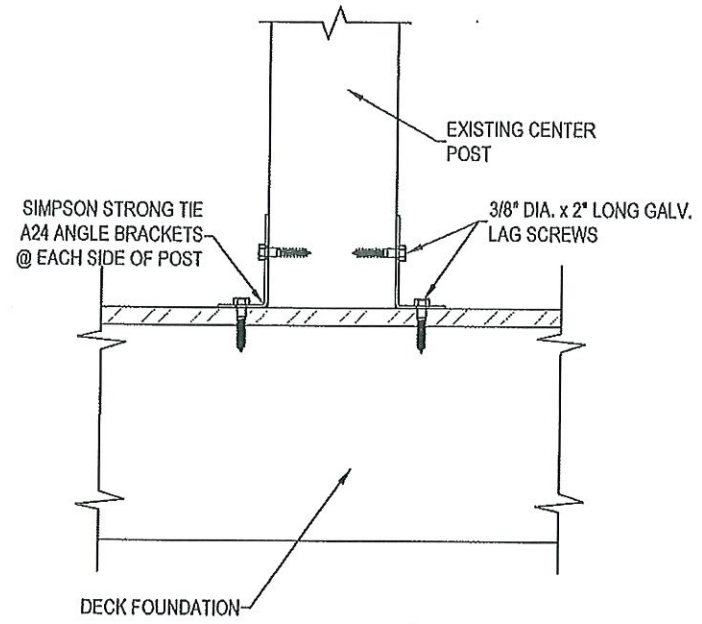
FRONT VIEW THROUGH EXISTING CENTER POST CONNECTION @ HEADER (ALL CENTER POSTS)  
DETAIL A



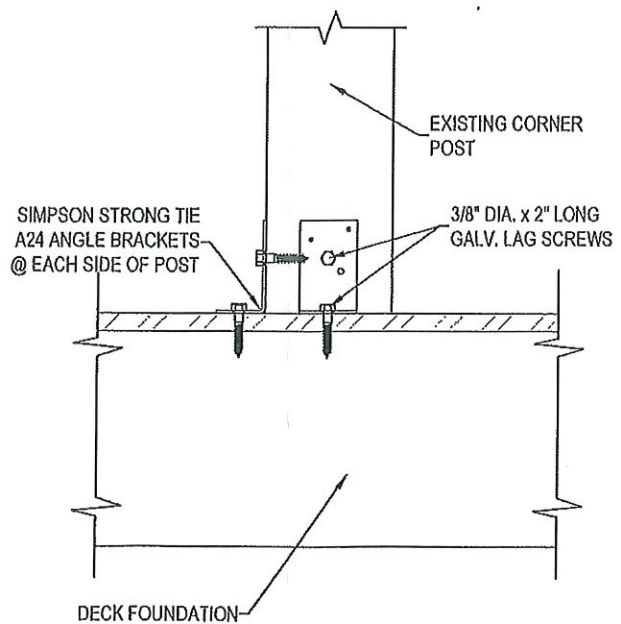
FRONT VIEW THROUGH EXISTING CORNER POST CONNECTION @ HEADER (ALL CORNER POSTS)  
DETAIL C



SIMPSON STRONG TIE A24 ANGLE BRACKET



FRONT VIEW THROUGH EXISTING CENTER POST CONNECTION @ DECK (ALL CENTER POSTS)  
DETAIL B



FRONT VIEW THROUGH EXISTING CORNER POST CONNECTION @ DECK (ALL CORNER POSTS)  
DETAIL D



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| SHEET | 8 OF 8         |

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