MINIMUM DESIGN LOADS: PER 2018 NC RESIDENTIAL NOTES: BUILDING CODE / 2015 IRC WITH NC AMENDMENTS 1. ALLVIEW (AAS) SUNROOM; WHITE IN COLOR 2. CONSTRUCT SUNROOM ON EXISTING CONCRETE SUNROOM CATEGORY II (PER 2015 IRC R301.2.1.1.1 3. ELECTRICAL BY GDI & AAMA / NPEA / NSA 2100) 4. CONCRETE A) CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 SHEET # NOTE: COMPONENTS HAVE BEEN CHECKED SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. AGAINST DESIGN LOADS SHOWN & FOUND B) ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT TO BE ACCEPTABLE STRUCTURALLY 28 DAYS. EXTERIOR FLOORS AND EXPOSED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AND 5% TO 7% AIR ENTRAINMENT. DEAD LOADS: 5. WOOD 1. ROOF: 6 PSF A) MATERIALS - FRAMING LUMBER 2. WALLS: 6 PSF i) WOOD POSTS: NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR 3. FLOOR: 12 PSF ii) 2x8, 2x10, 2x12 NO. 2 GRADE (OR BETTER) SOUTHERN PINE OR DOUGLAS FIR B) WOOD MEMBERS SHALL BE PRESSURE-TREATED FOR THE FOLLOWING CONDITIONS: SNOW LOADS: GROUND SNOW LOAD 20 PSF i) IN DIRECT CONTACT WITH THE GROUND ii) SILLS OR PLATES ON CONCRETE WITHIN 8" OF FINISHED GRADE ULTIMATE DESIGN WIND SPEED: 118 MPH, 3 SEC. GUSTS iii) JOISTS AND SUBFLOORS WITHIN 18" OF FINISH GRADE AND BEAMS WITHIN 12" OF FINISH GRADE LIVE LOADS: iv) EXPOSED EXTERIOR DECKS 1. ROOF: 20 PSF C) FASTENERS 2. FLOOR: 40 PSF ALL FASTENERS AND HARDWARE USED TO CONNECT TO PRESSURE TREATED WOOD MEMBERS SHALL EITHER BE 304 OR 316 STAINLESS STEEL, OR HOT DIPPED **DEFLECTION LIMITS:** GALVANIZED PER ASTM-A653 COATING DESIGNATION G-185 AND ASTM-A153 1. ROOF: L/120 (PER 2015 IRC TABLE R301.7 NOTE C) 6. STRUCTURAL ALUMINUM 2. WALLS: L/175 A) ALL EXTRUSIONS SHALL BE COMMERCIAL GRADE ALUMINUM SUPPLIED 3. FLOOR: L/240 (TOTAL LOAD), L/360 (LIVE LOAD) BY GREAT DAY IMPROVEMENTS, LLC. B) ROOF PANELS SHALL BE 3" OR 6" THICK SUPER FOAM ROOF PANELS FACED WITH ALLOWABLE SOIL PRESSURE CONSIDERED A 0.024" ALUMINUM SKIN TOP AND BOTTOM. (PRESUMPTIVE) = 2000 PSF 7. THIS SUNROOM IS CONSIDERED AS NON-CONDITIONED SPACE. EXEMPT FROM ENERGY REQUIREMENTS (PER 2015 IRC SECTION N1102.1, NOTE 2)

THIS THERMALLY ISOLATED SUNROOM IS UNCONDITIONED AND NOT HABITABLE

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

SQUARE FOOTAGE OF SUNROOM = 187

DATE REV. A 10/29/24 9/19/24 RAFAEL ZUBIATE Great Day DRAWN MTS RALEIGH 212 LAKELAND PORT 951 AVIATION PKWY, SUITE 1000 SANFORD, NC 27332 MORRISVILLE, NC 27560 Improvements NTS JOB #21238 984-212-8850 HEET 1 OF 11

**GREAT DAY IMPROVEMENTS** PATIO ENCLOSURES, RALEIGH **ZUBIATE RESIDENCE** 

1

2

3

8

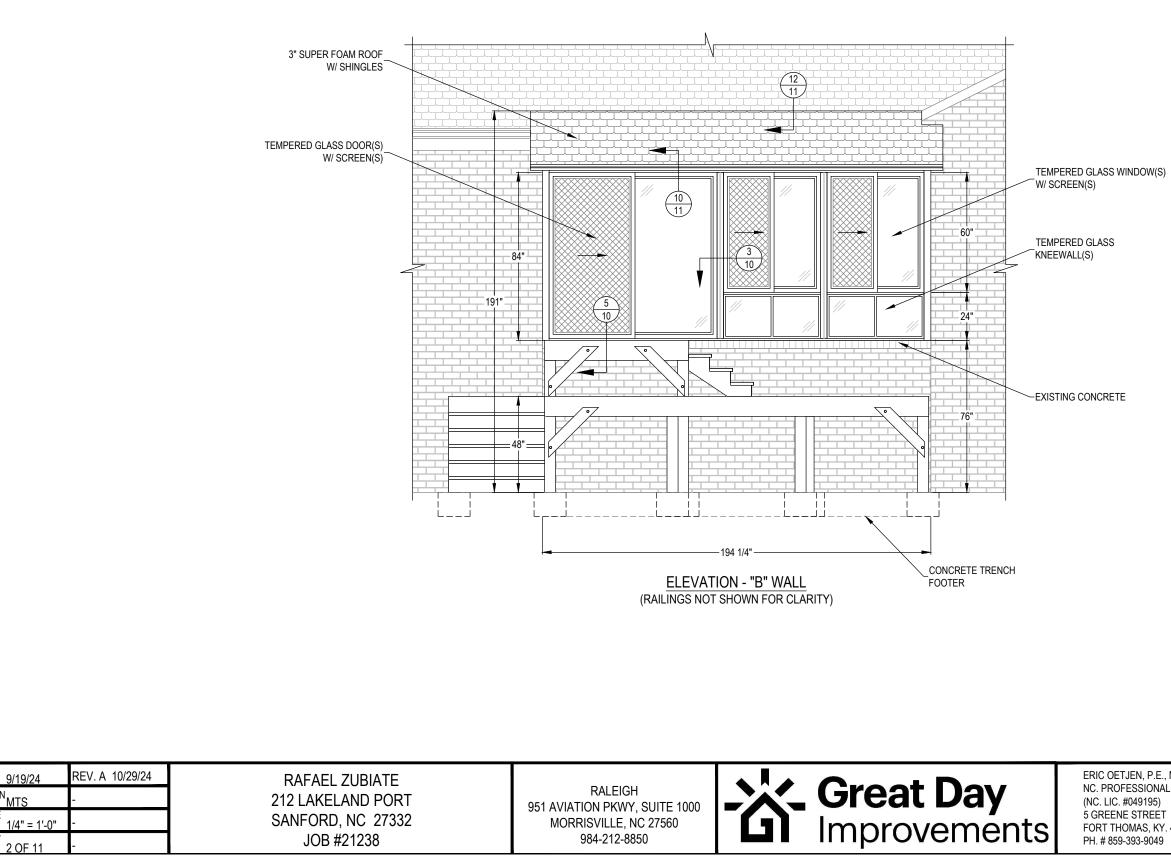
9

10

11

DESCRIPTION COVER **ELEVATION "B" WALL** ELEVATION "A" & "C" WALL CONCRETE PLAN LOWER DECK PLAN FOOTER DETAILS ELECTRICAL PLAN FLOOR PLAN **ROOF PLAN** SYSTEM DETAILS SYSTEM DETAILS





DATE

SCALE

SHEET

DRAWN MTS

Thunning 04919 ERIC OETJEN, P.E., M. ENG. ENGINE NC. PROFESSIONAL ENGINEER PIC OET JE (NC. LIC. #049195) 5 GREENE STREET 10-29-2024 FORT THOMAS, KY. 41075 PH. # 859-393-9049

