

\* Fasten the LVL members together with 2 rows of 1/4" x 3 1/2" structural screws spaced at 12" o.c. from both sides.

FOUNDATION ANCHORAGE:  
1/2" DIAMETER ANCHOR BOLTS W/  
1" EMBEDMENT AT 6'-0" O/C AT  
PERIMETER MUDSILL OR CODE  
APPROVED ALTERNATE.  
PROVIDE BOLT WITHIN 12" OF END  
OF EACH PIECE OF LUMBER

TYPICAL FOUNDATION WALL  
10" POURED CONCRETE  
W/ 5 REBAR @ 8" CENTERS  
EACH WAY, W/ BRICK LEDGE  
10" DEEP X 20" WIDE CONTIN.  
FOUR CONCRETE FOOTING  
2 #4 REBARS CONTINUOUS

**GENERAL FOUNDATION NOTES:**

1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
2. EXTERIOR WALL FOOTING WHERE NOTED TO BE 20" X 10" 3000 PSI STRUCTURAL CONCRETE UNLESS OTHERWISE NOTED. CONCRETE TO BE PREPARED AND PLACED IN ACCORDANCE WITH ACI 318. FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS, REFER TO STATE AND LOCAL BUILDING CODES. NOTE: ASSUMED SOIL BEARING CAPACITY=2000 PSF. CONTRACTOR MUST VERIFY CONDITIONS AND CONTACT SOIL ENGINEER IF MARGINAL OR UNSTABLE

3. SOILS ARE ENCOUNTERED. FOOTINGS TO BEAR ON UNDISTURBED EARTH A MIN. OF 12" BELOW ADJACENT FINISH GRADE OR AS OTHERWISE DIRECTED BY LOCAL INSPECTOR.
4. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 OF THE CODE "FOUNDATION DRAINAGE".
5. THE FOUNDATION SHALL BE TREATED IN ACCORDANCE W/SECTION R406 OF THE CODE "FOUNDATION WATERPROOFING AND DAMPPROOFING".

6. THIS FOUNDATION DESIGN IS VALID FOR 120 MPH WIND ZONES ONLY.
7. FOUNDATION WALLS SHALL BE 8" BLOCK UNLESS NOTED OTHERWISE.
8. (2) #4 BARS IN FOOTINGS RUN CONTINUOUSLY.

STRUCTURAL EVALUATION BY:  
HOWERTON SERVICES, PLLC  
3513 CATHEDRAL BELL  
RD., RALEIGH N.C. 27614

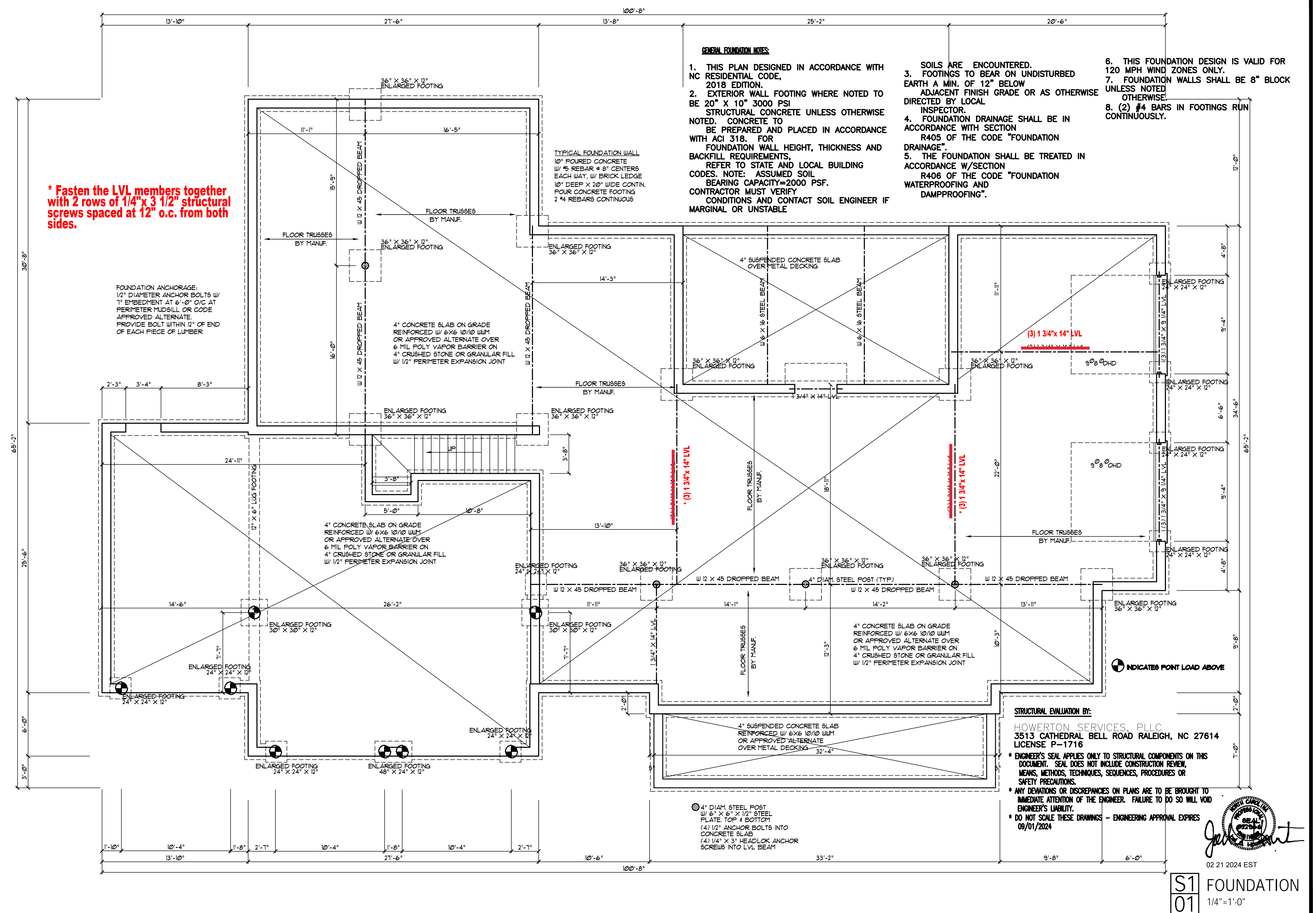
BUILDING DESIGN BY:  
VUNCANNON DESIGNS

WATKINS RESIDENCE

DESCRIPTION:  
FOUNDATION  
PLAN

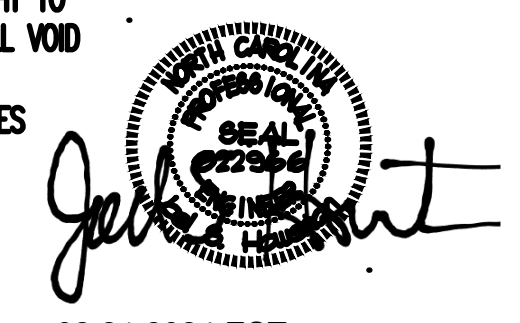
DATE:  
09/02/2020  
REVISION:  
08/29/2023

OWNER:  
S1



STRUCTURAL EVALUATION BY:  
HOWERTON SERVICES, PLLC  
3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614  
LICENSE P-1716

- \* ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- \* ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- \* DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 09/01/2024



02 21 2024 EST

S1 FOUNDATION  
01 1/4"=1'-0"