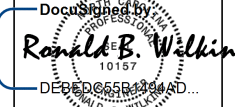


GENERAL FOUNDATION NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. EXTERIOR WALL FOOTING TO BE A MINIMUM OF 16" WIDE AND CONSTRUCTED WITH 3000 PSI CONCRETE. FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS REFER TO STATE AND LOCAL BUILDING CODES. THE ASSUMED SOIL BEARING CAPACITY FOR THIS PROJECT IS 2000 PSF. THE CONTRACTOR MUST VERIFY THE SITE CONDITIONS AND CONTACT A SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
3. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SUB-GRADE A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE OR AS OTHERWISE DIRECTED BY THE LOCAL INSPECTOR.
4. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 "FOUNDATION DRAINAGE" AND SECTION R406 "FOUNDATION WATERPROOFING AND DAMPPROOFING".
5. ANCHOR BOLTS SHALL BE 1/2" DIAMETER AND INSTALLED AT 12" ON CENTER AND 12" FROM EACH CORNER OR SILL PLATE SPICE LOCATIONS.

STRUCTURAL EVALUATION BY:

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8/11/2023

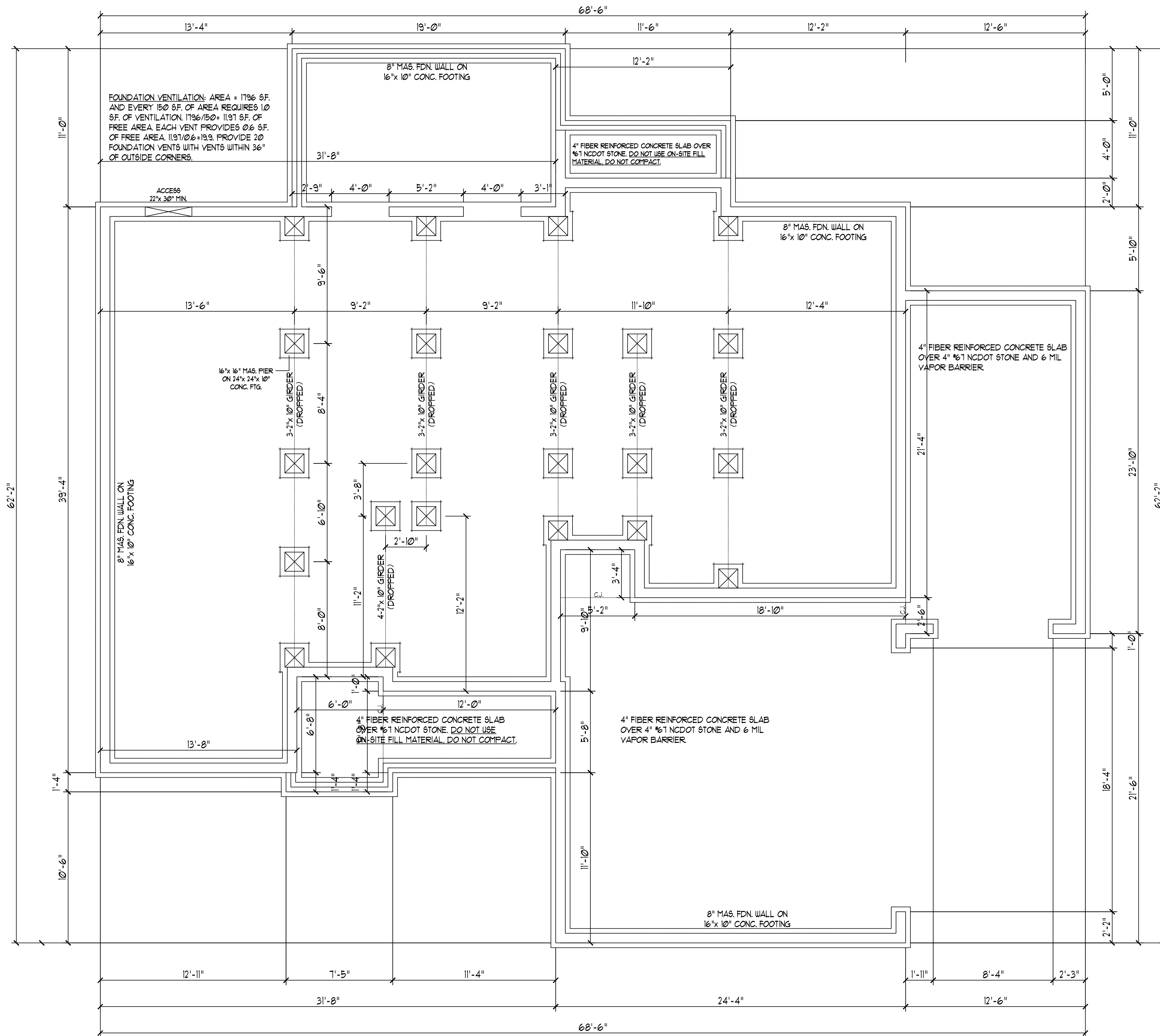
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FOUNDATION PLAN
Scale: 1" = 1'-0"

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JACKSON RESIDENCE
PLAN #21-359

Sheet No.
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GENERAL NOTES:

- THIS PLAN IS DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
- WALL CLADDING IS DESIGNED FOR A POSITIVE/NEGATIVE PRESSURE OF NOT LESS THAN 241 PSF.
- ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:
45.5 PSF FOR ROOF PITCHES FROM 0/12 TO 2.25/12
34.5 PSF FOR ROOF PITCHES FROM 2.25/12 TO 1/12
21.0 PSF FOR ROOF PITCHES FROM 1/12 TO 12/12
MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 14'
- ALL WALLS, CEILINGS, AND FLOORS SHALL BE INSULATED IN ACCORDANCE WITH PART IV, ENERGY CONSERVATION, CHAPTER II, ENERGY EFFICIENCY OF THE CODE FOR ZONE 4I (TABLE R102.1).
- DESIGN CRITERIA IS AS FOLLOWS:
DEAD LOAD (PSF) LIVE LOAD (PSF)
PRIMARY FLOOR 10 40
SECONDARY FLOOR 10 40
SLEEPING AREAS 10 40
ATTIC (W/ STAIRS) 10 30
ATTIC (W/O STAIRS) 10 20
ROOF 10 20

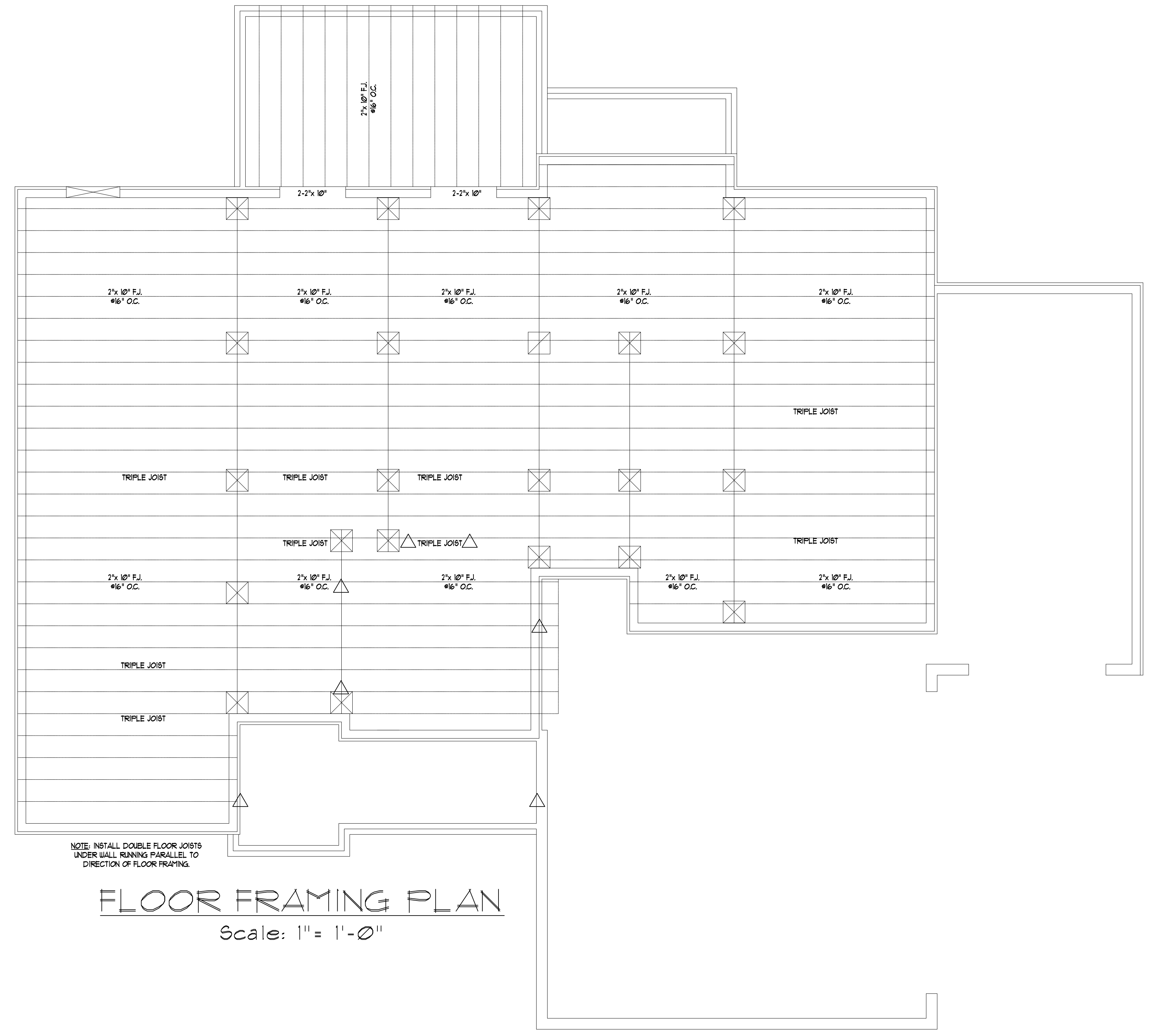
- WIND LOADING IS BASED ON 3 SECOND GUST OF 15 MILES PER HOUR.
LIVE LOAD DEFLECTION LIMITS (LIVE LOAD) ARE 1/360 FOR FLOORS, 1/240 FOR ROOF.
- ALL HEADERS IN LOAD BEARING WALL SHALL BE 2"x 10" UNLESS NOTED OTHERWISE. FULL HEIGHT KING STUDS SHALL BE INSTALLED PM EACH SIDE OF EXTERIOR WALL HEADERS AND BEAMS AS FOLLOWS:
HEADER SPAN STUDS @ 16" O.C. STUDS @ 24" O.C.
3'-0" 1 1
4'-0" 2 1
8'-0" 3 2
12'-0" 5 3
16'-0" 6 4
 - ALL LUMBER USED FOR JOISTS AND RAFTERS SHALL BE #2 SFF OR BETTER LUMBER USED FOR STUD WALL SHALL BE #3 SFF OR BETTER. DOUBLE FLOOR JOISTS SHALL BE INSTALLED UNDER ALL WALLS RUNNING PARALLEL WITH THE FLOOR JOISTS.
 - LVL SHALL BE LAMINATED VENEER LUMBER OR PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES: Fb+2000 PSI, Fv+285 PSI, E+2,000,000 PSI. MULTIPLE LVL PLIES CAN BE USED TO ACHIEVE THE SPECIFIED SIZE SHOWN ON THESE PLANS AND IS CONSIDERED TO BE STRUCTURALLY EQUIVALENT.
 - THE FOLLOWING SHALL APPLY TO ALL BRACED WALL LINES:
ALL EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED WITH 1/2" OSB OR CDX USP SHALL BE IN ACCORDANCE WITH R-602.10.3 AND SHALL BE COVERED WITH 1/2" GYPSUM BOARD ON THE INTERIOR FACE. ALL USP PANELS SHALL BE FASTENED WITH 8d NAILS AT 12" ON CENTER (FIELD) AND 6" ON CENTER (EDGES). ALL EXTERIOR WALLS SHALL BE 2"x 4" AT 16" ON CENTER AS A MINIMUM (EXCEPT FOR BALLOON FRAMED WALL SECTIONS AS NOTED) AND CONTINUOUSLY SHEATHED.

STRUCTURAL EVALUATION BY:

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Ronald B. Wilkins
Professional Engineer
8/11/2023

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NOTE: INSTALL DOUBLE FLOOR JOISTS UNDER WALL RUNNING PARALLEL TO DIRECTION OF FLOOR FRAMING.

FLOOR FRAMING PLAN
Scale: 1" = 1'-0"

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