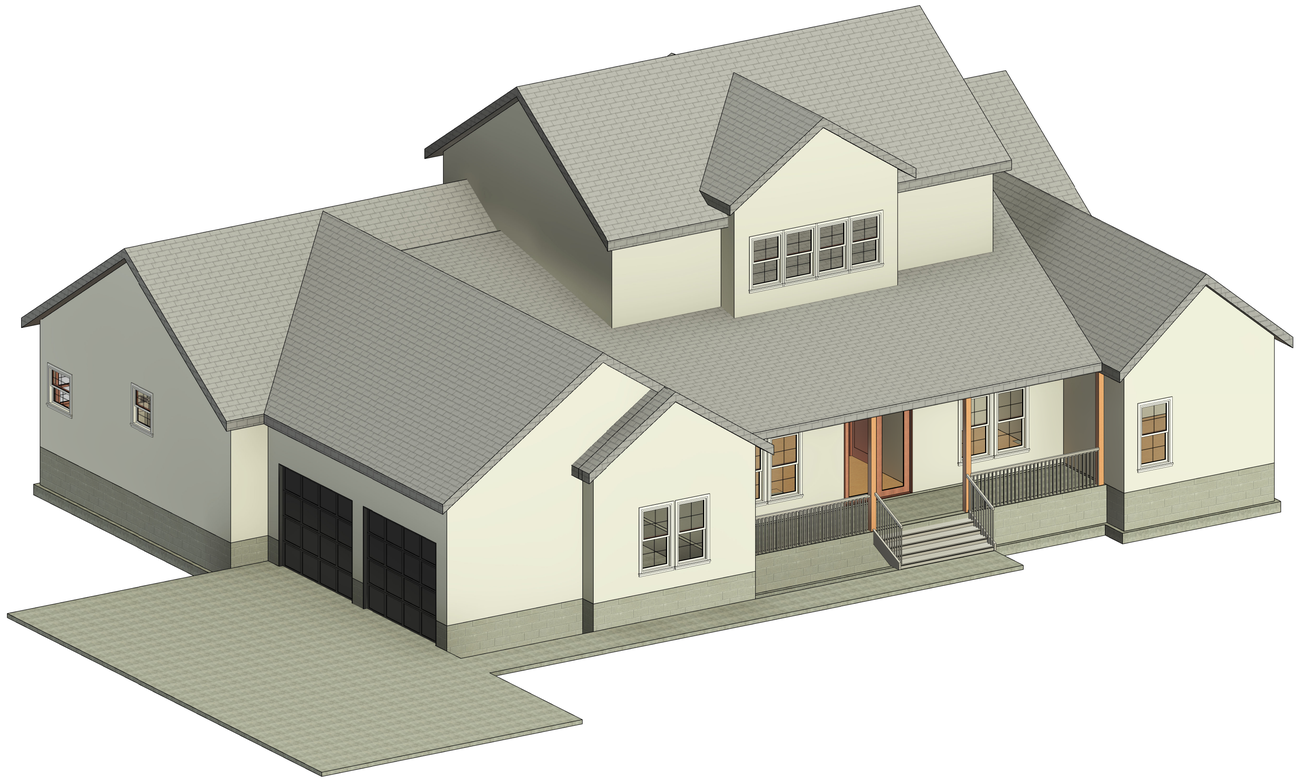

PRIMARY CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE: 2018 NORTH CAROLINA BUILDING CODE,
2018 NORTH CAROLINA RESIDENTIAL CODE
LOADS BASED ON ASCE 7-10

2. CONCRETE CODES: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)

3. STRUCTURAL STEEL CODES: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-14)
CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND
BRIDGES, (AISC 303-14)

DESIGN LOADS:

	UNIFORM	
1. LIVE LOADS:		
CONCENTRATED		
ROOF	20 PSF	N/A
FLOOR	40 PSF	N/A
ATTIC	30 PSF	N/A
OTHER LOADS REFER TO TABLE R301.5 (2018NCRC)		
2. SUPERIMPOSED DEAD LOADS:		
ROOF	10 PSF	N/A
FLOOR	20 PSF	N/A
3. SNOW LOAD:		
GROUND	20 PSF	N/A
FLAT	20 PSF	N/A
EXPOSURE FACTOR	1	
IMPORTANCE FACTOR	1	
THERMAL FACTOR	1	
DRIFT LOAD	N/A	N/A
DRIFT WIDTH	N/A	N/A

4. WIND LOADS:
ULTIMATE DESIGN SPEED (3 SECOND GUST) ..... 115 MPH
NOMINAL DESIGN SPEED ..... 89 MPH
RISK CATEGORY II
WIND EXPOSURE ..... B
DESIGN WIND PRESSURE (CLADDINGS) ..... 16 PSF

5. SEISMIC:
SEISMIC DESIGN CATEGORY ..... B
SITE CLASS ..... D*
* SOIL PROPERTIES ARE UNKNOWN

CONSTRUCTION RESPONSIBILITY:

1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETED STRUCTURE, AND ARE NOT INTENDED TO INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCES, AND FOR JOB SAFETY.

2. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3. PERIODIC SITE OBSERVATION VISITS MAY BE PROVIDED BY THE STRUCTURAL ENGINEER. THE SOLE PURPOSE OF THESE OBSERVATIONS IS TO REVIEW THE GENERAL CONFORMANCE OF THE CONSTRUCTION WITH THE STRUCTURAL CONTRACT DOCUMENTS. THESE LIMITED OBSERVATIONS SHOULD NOT BE CONSTRUED AS CONTINUOUS OR EXHAUSTIVE TO VERIFY THAT ALL CONSTRUCTION IS IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL WORK IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

GENERAL REQUIREMENTS:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER PROJECT DRAWINGS BY OTHER DISCIPLINES. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CODES LISTED ABOVE.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATING TO EXISTING CONDITIONS BY MAKING FIELD SURVEYS AND MEASUREMENTS PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION.

3. THE GENERAL CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION METHODS USED WILL NOT CAUSE DAMAGE TO ADJACENT BUILDINGS, UTILITIES, OR OTHER PROPERTY. THIS REQUIREMENT IS PARTICULARLY IMPORTANT DURING FOUNDATION INSTALLATION.

4. THE GENERAL CONTRACTOR IS ADVISED TO CONSIDER PERFORMING PHOTOGRAPHIC SURVEYS AND OTHER DOCUMENTATION OF THE CONDITION OF ADJACENT BUILDINGS AND OTHER STRUCTURES BEFORE THE START OF CONSTRUCTION.

5. THE GENERAL CONTRACTOR SHALL OBTAIN COPIES OF THE LATEST CONTRACT DOCUMENTS, INCLUDING ALL ADDENDA, AND PROVIDE THE RELEVANT PORTIONS TO ALL SUB-CONTRACTORS AND SUPPLIERS PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND FABRICATION AND ERECTION OF STRUCTURAL MEMBERS.

6. THE GENERAL CONTRACTOR SHALL COMPARE AND COORDINATE THE DRAWINGS OF ALL DISCIPLINES AND REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS TO THE ARCHITECT AND ENGINEER.

7. DETAILS LABELED "TYPICAL" SHALL APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED, SEE DETAIL TITLES FOR APPLICABILITY OF A PARTICULAR DETAIL. TYPICAL DETAILS SHALL APPLY WHETHER OR NOT THEY ARE SPECIFICALLY KEYED AT EACH LOCATION. THE ENGINEER SHALL HAVE FINAL AUTHORITY TO DETERMINE APPLICABILITY OF TYPICAL DETAILS.

8. WHERE CONFLICTS EXIST BETWEEN STRUCTURAL DOCUMENTS THE STRICTEST REQUIREMENTS, AS INDICATED BY THE STRUCTURAL ENGINEER SHALL GOVERN.

9. THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.

10. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE STRUCTURAL ENGINEER.

11. THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ANCHORED, EMBEDDED OR SUPPORTED ITEMS. NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES.

FOUNDATIONS:

1. UNLESS OTHER WISE NOTED, FOUNDATION DESIGN IS BASED ON ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF.

2. ALL VEGETATION, TOPSOIL, ROOTS AND ORGANIC ZONES SHALL BE STRIPPED AND REMOVED FROM THE CONSTRUCTION AREA FOR A DISTANCE OF AT LEAST 5 FEET BEYOND THE EXTERIOR OF BUILDING FOUNDATION LIMITS. THE DEPTH OF STRIPPING SHALL BE THAT REQUIRED TO REMOVE SIGNIFICANT ROOT ZONES, SMALL TREE STUMPS AND OTHER UNACCEPTABLE MATERIALS, BUT IN NO CASE LESS THAN 6 INCHES.

3. EXCAVATIONS FOR LARGE STUMPS, ABANDONED UTILITIES, UNDERGROUND TANKS, ETC. SHALL BE BACKFILLED IN LAYERS WITH COMPACTION AND TESTING OF EACH LAYER AS DESCRIBED FOR PLACEMENT AND COMPACTION OF FILL MATERIAL. USE LOOSE BACKFILL LAYER THICKNESS APPROPRIATE FOR THE SIZE OF COMPACTOR BEING USED.

4. AFTER THE SITE HAS BEEN CLEARED AND PROOF-ROLLED, THE EXPOSED SOILS AT THE STRIPPED SURFACE WITHIN AND TO A POINT 5 FEET OUTSIDE THE BUILDING CONSTRUCTION AREA SHALL BE COMPACTED WITH OVERLAPPING PASSES WITH A LIGHT WEIGHT VIBRATORY DRUM ROLLER. DENSITIES OF AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) SHALL BE UNIFORMLY OBTAINED TO A DEPTH OF AT LEAST 24 INCHES BELOW THE COMPACTED SURFACE. REGARDLESS OF THE DEGREE OF COMPACTION ACHIEVED, A MINIMUM OF EIGHT COMPLETE COVERAGE SHALL BE MADE WITHIN THE BUILDING AREA. THE ROLLER COVERAGE SHALL BE DIVIDED EVENLY INTO TWO PERPENDICULAR DIRECTIONS. THE CONTRACTOR IS ADVISED NOT TO USE THE VIBRATORY MODE OF COMPACTORS IN CLOSE PROXIMITY TO EXISTING STRUCTURES. THE CONTRACTOR SHALL COORDINATE COMPACTION EFFORTS AND FOUNDATION INSTALLATIONS TO INSURE THAT NO DAMAGE OCCURS TO ADJACENT STRUCTURES.

8. UNLESS NOTED, ALL FOOTINGS SHALL BE CENTERED UNDER COLUMNS, PIERS AND WALLS.

9. SLAB-ON-GRADE CONSTRUCTION SHALL BE SUPPORTED ON SUBGRADE COMPACTED TO A DENSITY OF NO LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) TO A DEPTH OF AT LEAST 12 INCHES. INTERIOR SLABS-ON-GRADE SHALL BE CAST OVER A VAPOR RETARDER. SEE SPECIFICATIONS OR DETAILS.

CAST-IN-PLACE CONCRETE:

1. THE LATEST EDITION OF THE FOLLOWING ACI STANDARDS APPLY:
ACI 318 (CODE) ACI 304 (PLACING)
ACI 306 (WINTER CONCRETING) ACI 315 (DETAILING)
ACI 305 (HOT WEATHER CONCRETING) ACI 347 (FORMWORK)
ACI 211.1 (MIX PROPORTIONING) ACI 301 (SPECIFICATIONS)

2. ALL CONCRETE SHALL BE NORMAL WEIGHT (148 PCF DRY DENSITY, MIN), WITH MIXES DESIGNED TO MEET THE FOLLOWING CRITERIA FOR USE IN VARIOUS ELEMENTS OF THE 28-DAY COMPRESSIVE MAX. SLUMP STRENGTH MAX. SIZE W/C RANGE STRUCTURAL ELEMENT (PSI) AGGREGATE RATIO (IN)
A. FOOTINGS (WALL & MAT) 4000 3/4" 0.45 3-5
B. FOUNDATION WALLS 4000 4/4" 0.45 3-5
C. SLAB-ON-GRADE 3000 3/4" 0.50 3-5
D. ELEVATED FLOORS & BEAMS 4000 3/4" 0.45 3-5

3. CONCRETE SLUMP IS TAKEN AT POINT OF PLACEMENT INTO STRUCTURE.

4. WATER REDUCING AND AIR ENTRAINING AGENTS SHALL BE INCLUDED IN DESIGN MIXES. SUPERPLASTICIZERS MAY BE USED AT THE CONTRACTOR'S OPTION.

5. A CONCRETE MIX DESIGN FOR EACH UNIQUE COMBINATION OF STRENGTH, COARSE AGGREGATE GRADATION AND WATER CEMENT RATIO SPECIFIED SHALL BE PREPARED BY THE SUPPLIER OR AN INDEPENDENT TESTING LABORATORY AND BE SUBMITTED FOR REVIEW PRIOR TO CASTING ANY CONCRETE. MIXES THAT WILL BE TRANSPORTED AT THE PROJECT SITE BY PUMPING SHALL BE SPECIFICALLY DESIGNED FOR PUMPING.

6. SLABS ON GRADE: UNLESS NOTED OTHERWISE, CONCRETE SLABS ON GRADE SHALL BE A MINIMUM OF 4" THICK, REINFORCED WITH 6x6 W1.4Xw1.4 WWF PLACED 1-1/2" CLEAR FROM THE TOP OF THE SLAB. SLABS SHALL BE PLACED OVER PROPERLY COMPACTED EARTH.

7. CONCRETE TIE BEAMS: UNLESS NOTED OTHERWISE, CONCRETE TIE BEAMS SHALL BE A MINIMUM OF 16" DEEP BY THE SUPPORTING WALL WIDTH, REINFORCED WITH 2 #5 CONTINUOUS TOP AND BOTTOM AND #3 TIES AT 24" O.C.

REINFORCING STEEL:

1. REINFORCING STEEL: ASTM A 615, GRADE 60.

2. WELDED WIRE FABRIC: ASTM A 185 (FLAT SHEETS), MINIMUM YIELD STRENGTH OF 70,000 PSI.

3. MINIMUM REINFORCING STEEL CLEAR COVER (U.N.O.):
A. CONCRETE CAST DIRECTLY AGAINST EARTH ..... 3"
B. INTERIOR SLABS ..... 1"
C. INTERIOR BEAMS ..... 1-1/2" TO TIES
D. SLABS ON GRADE ..... 1-1/2" FROM TOP

4. WHERE REINFORCING BARS ARE NOTED AS CONTINUOUS, THE FOLLOWING SHALL BE COMPLIED WITH:
A. THE TERMINATION OF ALL CONTINUOUS REINFORCING BAR RUNS SHALL BE A STANDARD HOOK UNLESS NOTED OTHERWISE.
B. SPLICES IN CONTINUOUS TOP BARS, IF REQUIRED, SHALL OCCUR OVER PARALLEL CMU WALLS OR AT THE CENTER OF THE OPENING SPAN.
C. SPLICES IN CONTINUOUS BOTTOM BARS, IF REQUIRED, SHALL OCCUR OVER CMU WALLS OR CENTERED OVER COLUMNS.

5. WHERE SPLICE LENGTHS ARE NOT SPECIFIED, USE 48 BAR DIAMETERS IN MASONRY AND 40 BAR DIAMETERS IN CAST CONCRETE.

7. LAP ALL WELDED WIRE FABRIC A MINIMUM DISTANCE OF ONE CROSS WIRE SPACING PLUS 2 INCHES.

8. ALL REINFORCING STEEL SHALL BE SUPPORTED ON STANDARD ACCESSORIES, HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING PLACEMENT OF CONCRETE. SUPPORTING ACCESSORY LEGS THAT REST ON CONCRETE SURFACES THAT WILL BE EXPOSED IN THE FINISHED STRUCTURE SHALL BE FABRICATED OF STAINLESS STEEL.

9. DOWELS AND OTHER MISCELLANEOUS STEEL EMBEDDED ITEMS SHALL BE LOCATED AND HELD IN SPECIFIED POSITION PRIOR TO PLACEMENT OF CONCRETE AND SHALL NOT BE PUSHED INTO CONCRETE FOLLOWING CONCRETE POUR.

10. FOUNDATION AND GRADE BEAM REINFORCING SHALL BE SUPPORTED ON SPECIALLY CAST 3-1/2 INCH HIGH CONCRETE BLOCKS CAST IN ACCORDANCE WITH DETAILS FURNISHED ON DRAWINGS. SLAB-ON-GRADE REINFORCING, INCLUDING WIRE FABRIC, SHALL BE SUPPORTED ON PRECAST BLOCKS OR 3000 PSI CONCRETE BRICK OF THE PROPER THICKNESS.

CONCRETE MASONRY:

1. CONCRETE MASONRY UNITS SHALL BE LOAD BEARING TYPE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI.

2. MORTAR SHALL BE TYPE S.

3. FILL CELLS AS NOTED ON DRAWINGS WITH 3000 PSI GROUT, SPECIFICALLY DESIGNED FOR FILLING OF CELLS.

4. IN SPLICING VERTICAL BARS, LAP ENDS, PLACE IN CONTACT AND WIRE-TIE TOGETHER OR USE BAR POSITIONERS. LAP BARS SIDE BY SIDE IN THE PLANE OF THE WALL TO MAINTAIN PROPER COVER.

5. MASONRY BOND BEAMS AND CONCRETE TIE BEAMS CAST ON MASONRY WALLS SHALL BE CONSTRUCTED SO AS TO KEY AND BOND INTO BLOCK CELLS. THE USE OF BUILDING PAPER OR SHEET PLASTIC TO CLOSE VOIDS BELOW BEAMS IS NOT ALLOWED DUE TO BREAKAGE OF MORTAR BOND.

6. WALL CONTROL JOINTS (WCJ):

A. WALL CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE MASONRY CONSTRUCTION AT LOCATIONS INDICATED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS BUT UNLESS NOTED OTHERWISE AT A SPACING NOT GREATER THAN 24' O.C.
B. HORIZONTAL JOINT REINFORCING SHALL BE INTERRUPTED EACH SIDE OF WALL CONTROL JOINTS.
C. WALL CONTROL JOINTS SHALL NOT BE PLACED OVER OPENINGS OR WITHIN AN OPENING JAMB WIDTH. SEE PLANS AND/OR JAMB REINFORCING SCHEDULE FOR MINIMUM JAMB WIDTHS.
D. SEE ARCHITECTURAL DRAWINGS FOR SEALANT REQUIREMENTS AT WALL CONTROL JOINTS.
E. SEE THESE DRAWINGS FOR ADDITIONAL REQUIREMENTS.

7. MASONRY WALLS SHALL BE BRACED EITHER BY OTHER INTERSECTING WALLS OR BY ANCHORAGE OR BRACING TO THE STRUCTURE ABOVE, OR TO ADJACENT WALLS, AS DETAILED ON THE STRUCTURAL DRAWINGS.

8. BLOCK LINTELS SHALL BE SPECIALLY FORMED U-SHAPED LINTEL OR LOW WEB LINTEL UNITS WITH REINFORCING BARS, OR PRECAST UNITS DESIGNED FOR THE WEIGHT OF MASONRY ABOVE AND OTHER APPLIED LOADS.

9. ALL MASONRY WALLS SHOWN ON THE STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES IN THE FINAL CONSTRUCTED CONFIGURATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY BRACE THE WALLS FOR VERTICAL AND LATERAL LOADS THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF LATERAL SUPPORT BY CONNECTIONS AT FLOORS OR ROOF FRAMING LEVELS.

10. QUALITY ASSURANCE: ALL REINFORCED MASONRY SHALL BE TESTED/INSPECTED IN CONFORMANCE WITH THE REFERENCED ACI 530/ASCE 5/TMS 402 CODES AND THE PROJECT SPECIFICATIONS. QUALITY ASSURANCES SHALL MEET THE REQUIREMENTS OF SECTION 1.6, TABLE 4 LEVEL B, UNLESS MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED ELSEWHERE IN THESE DOCUMENTS

11. TYPICAL SCHEDULED VERTICAL WALL REINFORCING SIZE AND SPACING SHALL ALSO BE CONTINUED ABOVE AND BELOW ALL OPENINGS.

POST-INSTALLED ANCHORS:

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD (EOR) PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED ANCHORS.

2. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REINFORCING WHEN DRILLING HOLES. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACING INDICATED IN THE MANUFACTURER'S LITERATURE.

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PADILLA ENGINEERING PLLC

LOUISBURG, NC
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NORTH CAROLINA PROFESSIONAL SEAL 052798 ENGINEER FRANCISCO A PADILLA MORANO

6/6/24

658 JAME NORRIS RD

Proj. Address: 658 JAMES NORRIS RD, ANGIER, NC 27501

Client Name: GREGORIO JURADO

Proj. Number: P-20240606-1

Set Issue Dates

DATE	DESCRIPTION
6/6/24	FOR CONSTRUCTION

Revision Schedule

#	DATE	DESCRIPTION

Proj. Date	6/6/24
Designed By	FP
Drawn By	FP
Checked By	FP

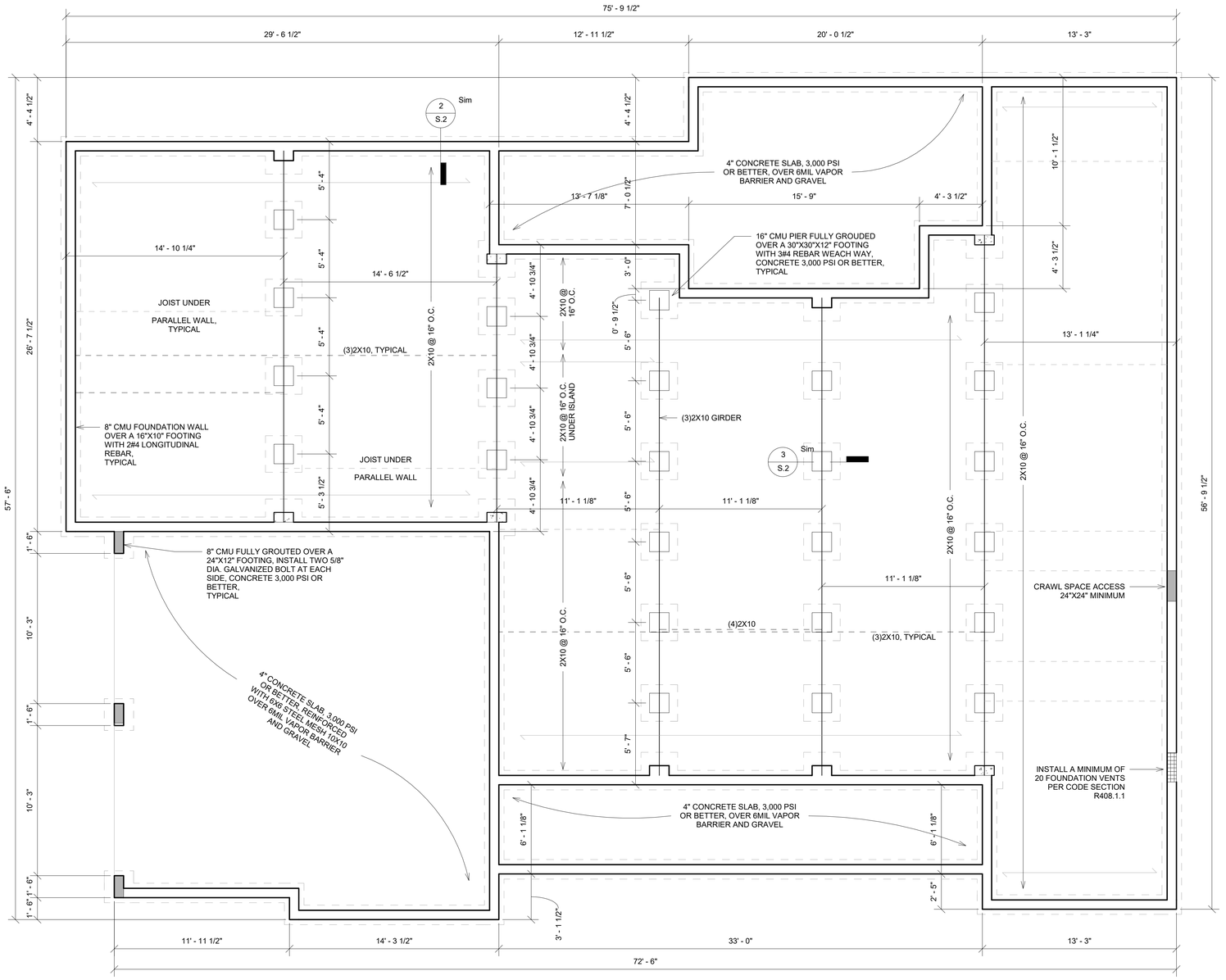
Sheet Name

GENERAL NOTES

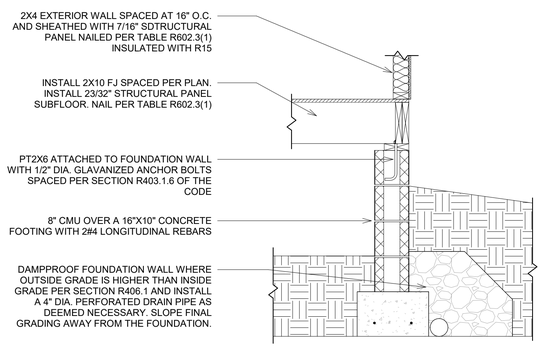
Sheet Number

S.1

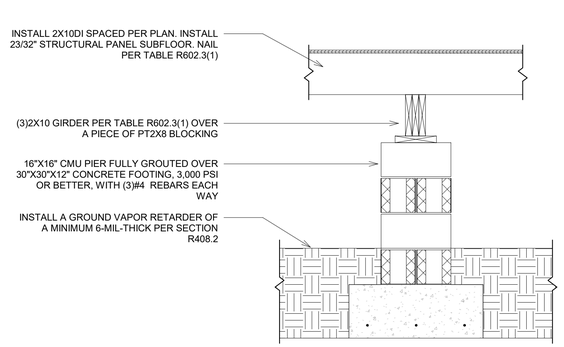
Sheet 1 of 7



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



2 D-1
3/4" = 1'-0"



3 D-2
3/4" = 1'-0"

GENERAL NOTES:

1. THESE PLANS ARE DESIGNED TO BE USED BY A LICENSED GENERAL CONTRACTOR
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PHASES OF CONSTRUCTION COMPLY WITH ALL BUILDING CODE REQUIREMENTS HAVING JURISDICTION ON THE PROJECT
3. PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR IS TO REVIEW THE PLAN SET IN ITS ENTIRETY AND BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS
4. ANY DISCREPANCY IN THE PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO COMMENCING WORK
5. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS WILL HAVE PRECEDENCE OVER SCALED DIMENSIONS
6. PLUMBING, ELECTRICAL, AND HVAC PLANS ARE TO BE HANDLED BY THE GENERAL CONTRACTOR UNLESS SPECIFIED OTHERWISE. ALL PLANS MUST COMPLY WITH ALL BUILDING CODE REQUIREMENTS

FOUNDATION NOTES:

1. OWNER OR BUILDER IS RESPONSIBLE FOR VERIFYING SOIL BEARING CAPACITY, MINIMUM ASSUMED = 2,000 PSF
2. MINIMUM CONCRETE STRENGTH AT 28 DAYS IS 3,000 PSI OR BETTER
3. MAXIMUM DEPTH OF UNBALANCED FILL AGAINST FOUNDATION WALLS SHALL BE PER TABLE R404.1.2 (2) OF THE NCRC 2018
4. ANCHOR BOLTS SHALL BE GALVANIZED MINIMUM 1/2" DIA. SPACED AT 6'-0" O.C. AND 12" MAXIMUM FROM ANY END OF LUMBER. BOLTS SHALL EXTEND A MINIMUM OF 7" INTO FILL CAVITY OF CMU
5. INSTALL FOUNDATION WATER PROOFING, DRAIN TILE, STONE AND POSITIVE DRAIN AS REQUIRED AND INDICATED IN THE CODE
6. CONCRETE SLAB IN THE GARAGE AREA SHALL BE 4" THICK REINFORCED WITH 6X6 1.4W X 1.4W WIRE MESH OR OVER CRUSHED STONE OR GRAVEL AND ADEQUATELY COMPACTED ON UNDISTURBED EARTH
7. ALL FOUNDATION TO RECEIVE CMU SHALL BE PROVIDED WITH (2) #4 LONGITUDINAL REBAR UNLESS INDICATED OTHERWISE
8. THE MINIMUM FINSHED EARTH COVER FOR EXTERIOR FOUNDATION SHALL BE 12" INCHES

FRAMING NOTES:

1. ALL EXTERIOR AND BEARING WALLS ARE TO BE FRAMED WITH 2X4 AND 10 FEET HIGH UNLESS INDICATED OTHERWISE.
2. WALL FRAMING SHALL BE AT 16" O.C. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 7/16" STRUCTURAL PANEL NAILED WITH 8D RING SHANK NAILS 6" O.C. ON EDGES AND 12" O.C. IN THE FIELD
3. LUMBER MATERIAL SHALL BE SPRUCE-PINE-FIR #2 OR BETTER
4. ALL SHOWN DIMENSIONS ARE TAKEN FROM FACE OF STUDS
5. FOR ALL LOCATIONS WHERE WOOD IS IN CONTACT WITH CONCRETE, DIRT, OR EXPOSED TO WEATHER ELEMENTS PRESSURE TREATED TIMBER SHALL BE USED
6. WHERE ABOVE WALLS RUN PARALLEL TO FLOOR JOISTS INSTALL A SINGLE FLOOR JOIST BENEATH NONBEARING WALLS AND DOUBLE FLOOR JOISTS UNDER BEARING WALL UNLESS INDICATED OTHERWISE
7. NAILS USED ON PRESSURE TREATED TIMBERS SHALL BE GALVANIZED OR APPROVED BY THE CODE FOR SAID APPLICATION
8. FOR ALL POINT LOADS WITH FOUR OR MORE JACKS AND KINGS PROVIDE 1.5" WIDE METAL STRAP AT TOP, MIDDLE, BOTTOM LOCATIONS
9. ALL LVL AND PSL MEMBERS SHALL BE 2.1E, LVL 1 3/4, AND DEPTH PER LOCATION; PSL PER LOCATION
10. ALL DOORS AND WINDOWS HEIGHT ARE TO BE FRAMED AS SHOWN ON PLANS UNLESS INDICATED OTHERWISE BY THE OWNER
11. ROOF TRUSSES TO BE DESIGNED BY OTHERS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION GUIDE
12. STRAP ALL LVLs AND PSLs WITH 1 1/2 METAL STRAP TO STUDS BELOW
13. ALL METAL CONNECTIONS SHALL BE PER SIMPSON STRONG-TIE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION GUIDE
14. PROVIDE HURRICANE TIES AT ALL RAFTER OR TRUSSES TO DOUBLE TOP PLATE CONNECTION
15. BEAM OR GIRDER ASSEMBLIES OF 4 OR MORE PLIES SHALL BE FASTEN USING 1/4" DIA. STRUCTURAL SCREWS OR 1/2" DIA. BOLTS AND SHALL BE INSTALLED PER LVLs MANUFACTURER'S, STRUCTURAL SCREW MANUFACTURER'S INSTALLATION GUIDES, , AND OR PER PLAN LOCATION
16. PROVIDE TWO (2) 5/8" DIA. GALVANIZED BOLTS AT BOTH ENDS OF GARAGE DOOR AND FRAME PORTAL FRAME PER FIGURE R602.10.1 OF THE CODE

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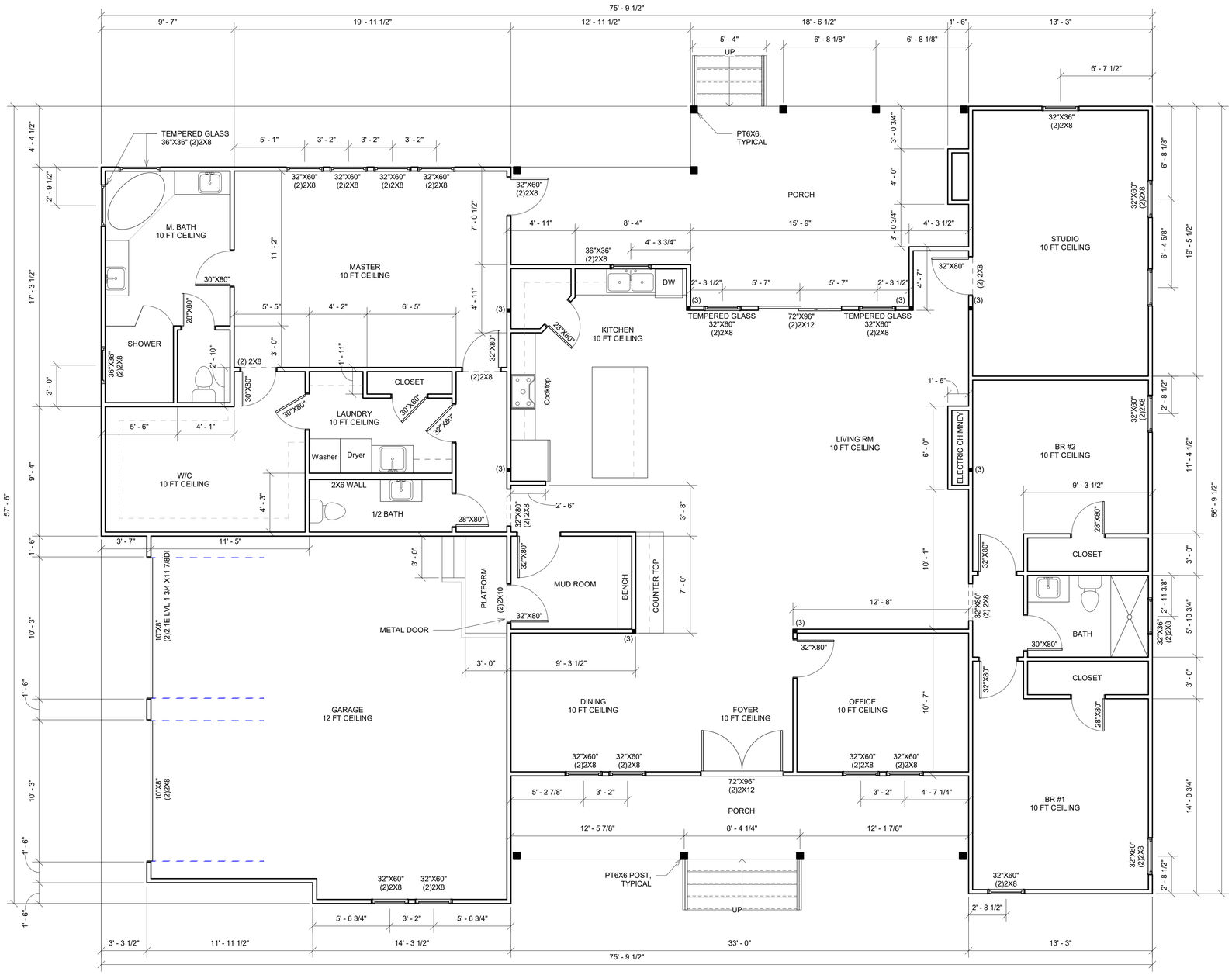
Drawn By	FP
Checked By	FP

Sheet Name
FOUNDATION PLAN

Sheet Number
S.2

Sheet 2 of 7



1 LEVEL 1
1/4" = 1'-0"

GREAT TOTAL AREA	3,854 SF
HEATED	**2,639 SF**
LEVEL 1	2,639 SF
UNHEATED	**1,215 SF**
FRONT PORCH	198 SF
REAR PORCH	362 SF
GARAGE	655 SF

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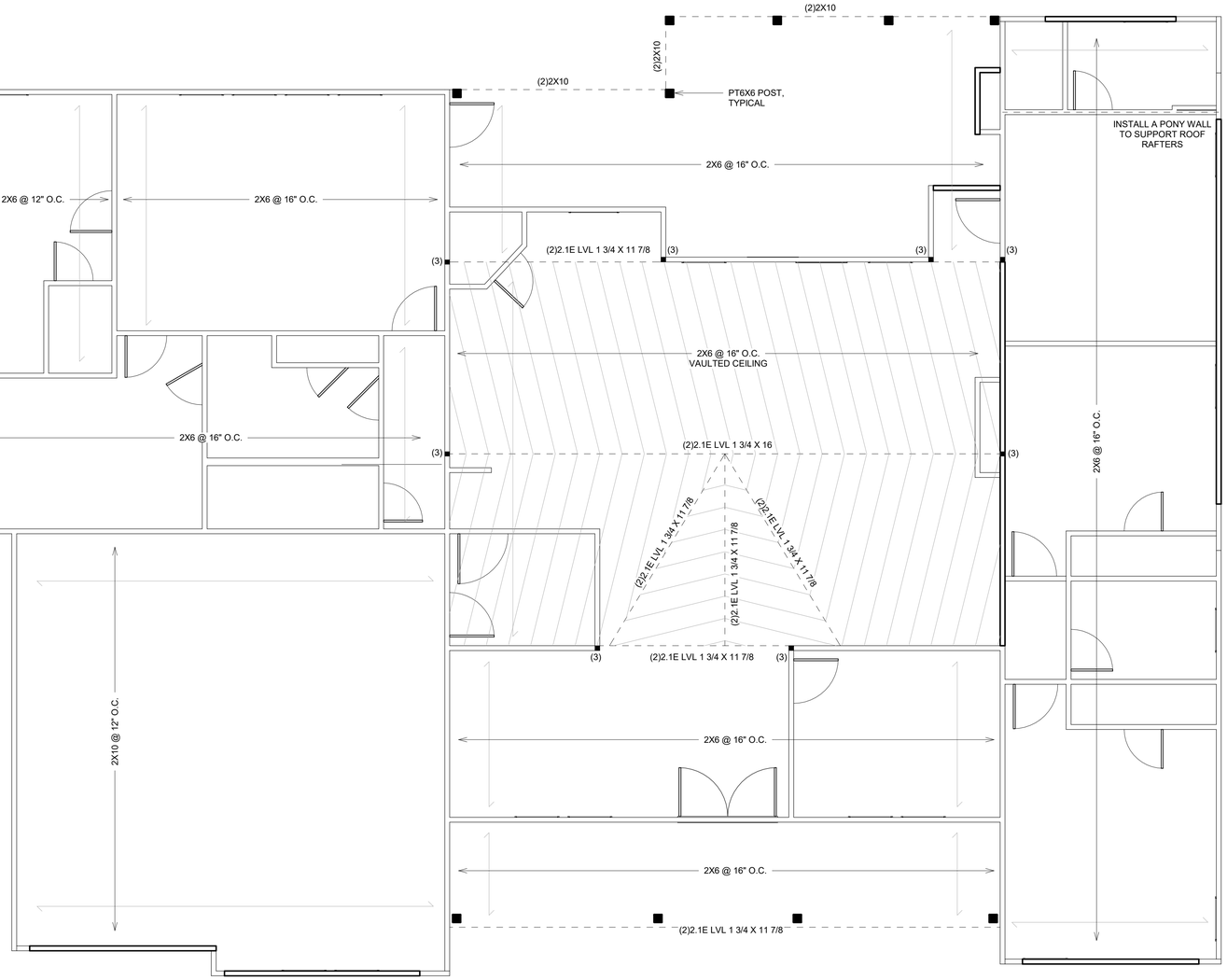
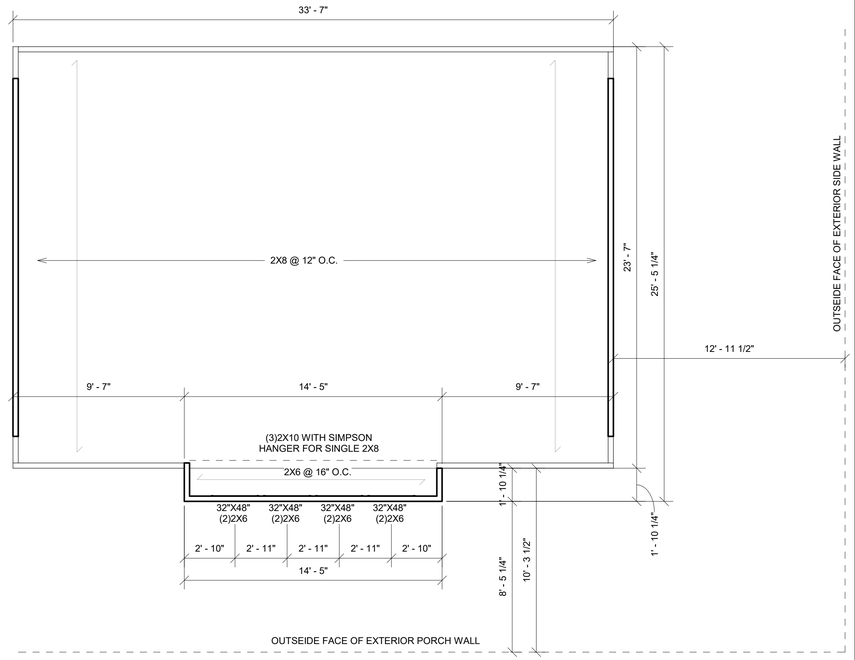
Sheet Name
FLOOR PLAN LEVEL 1

Sheet Number
S.3



1 CEILING LEVEL 1
1/4" = 1'-0"



2 CEILING LEVEL 2
1/4" = 1'-0"

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6/6/24

658 JAME NORRIS RD

Proj. Address: 658 JAMES NORRIS RD, ANGIER, NC 27501
Client Name: GREGORIO JURADO
Proj. Number: P-20240606-1

Set Issue Dates

DATE	DESCRIPTION
6/6/24	FOR CONSTRUCTION

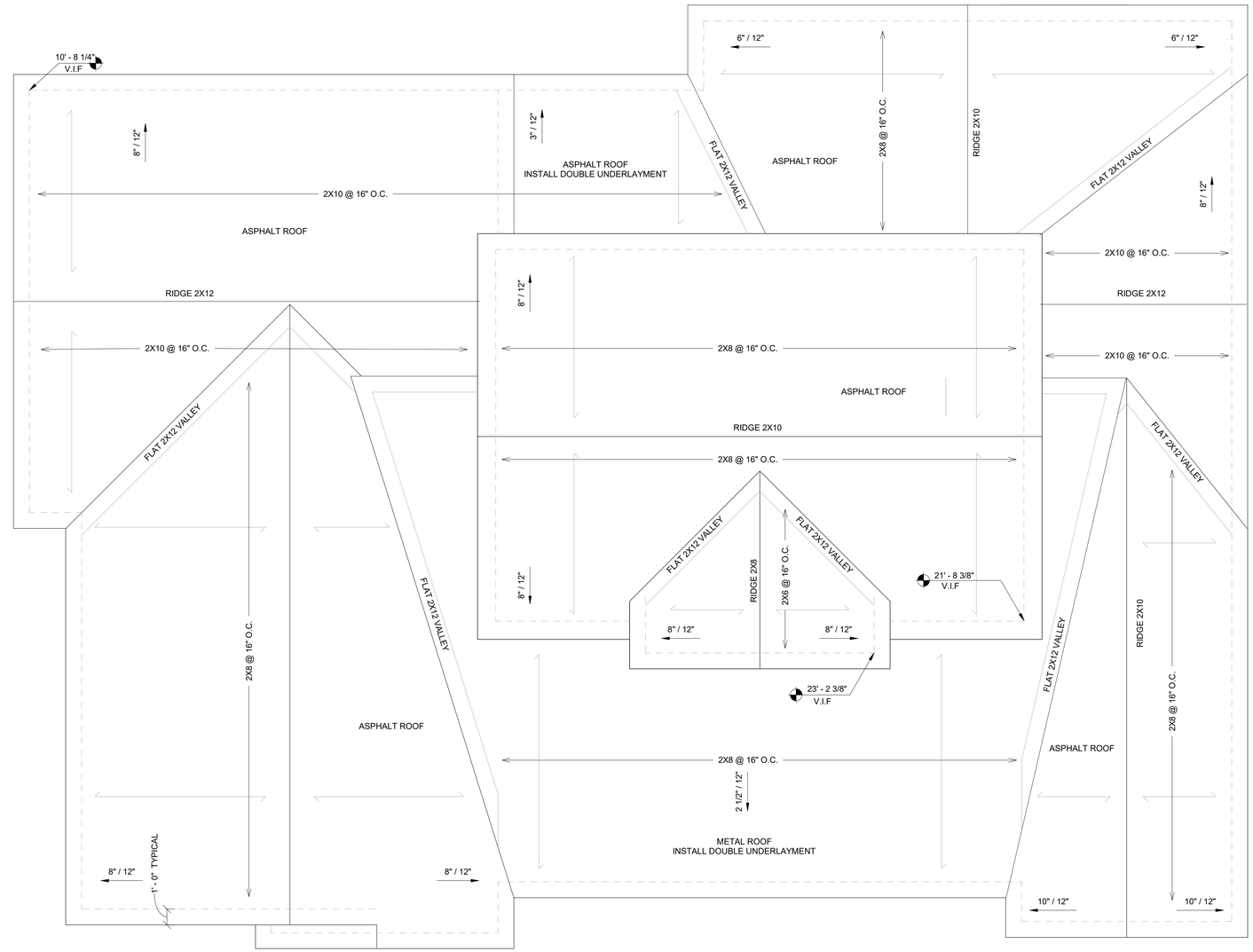
Revision Schedule

#	DATE	DESCRIPTION

Proj. Date	6/6/24
Designed By	FP
Drawn By	FP
Checked By	FP

Sheet Name
LEVEL 1 & 2 CEILING PLANS

Sheet Number
S.4



1 ROOF
1/4" = 1'-0"

6/6/2024 2:55:09 PM

PADILLA ENGINEERING PLLC

LOUISBURG, NC
Firm License Number : P-2499

NORTH CAROLINA PROFESSIONAL SEAL 052798 ENGINEER FRANCISCO A PADILLA MORANO

6/6/24

658 JAME NORRIS RD

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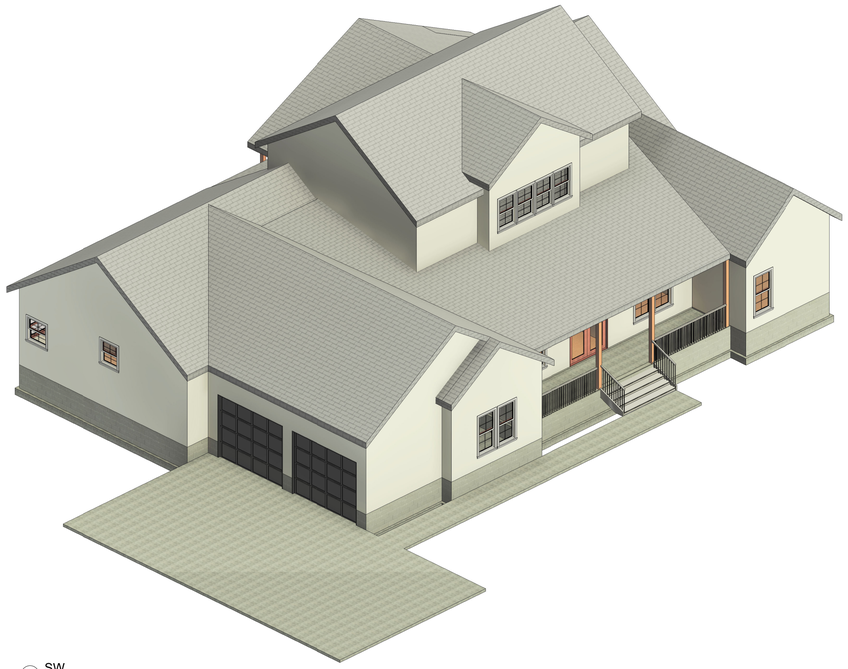
Proj. Date 6/6/24
Designed By FP
Drawn By FP
Checked By FP

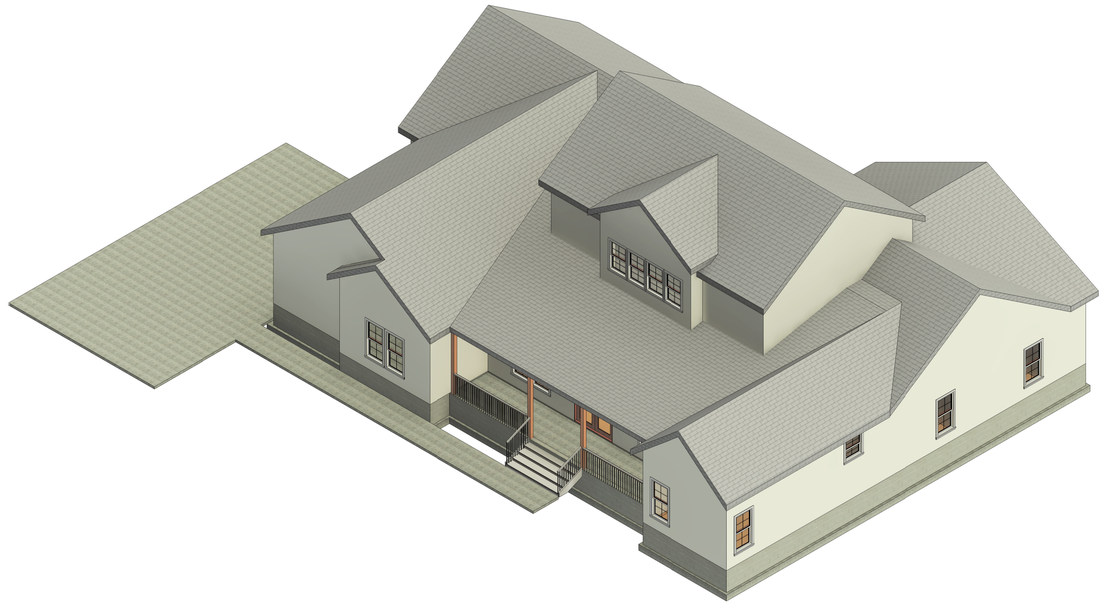
Sheet Name
ROOF PLAN

Sheet Number
S.5

Sheet 5 of 7



1 SW



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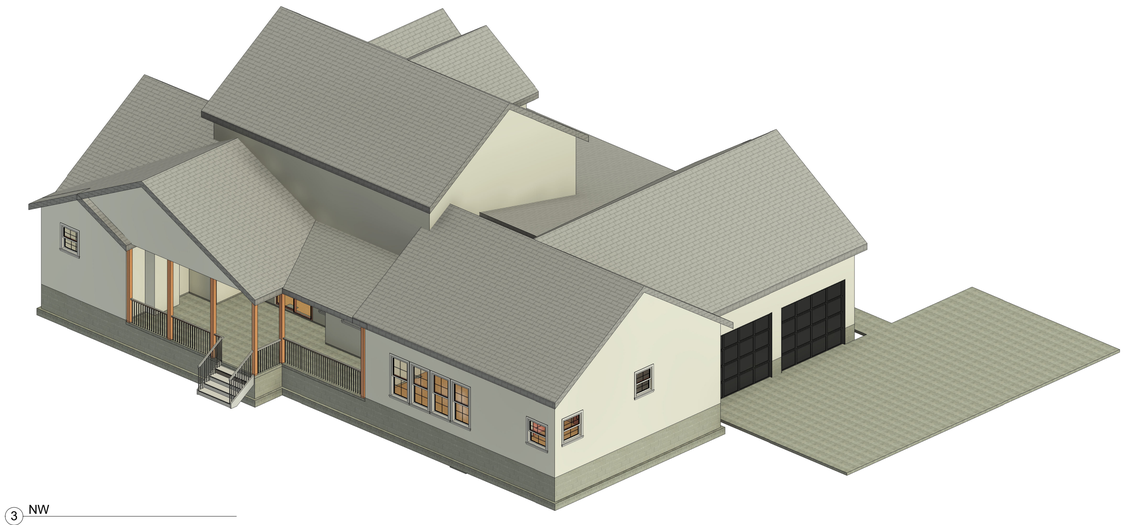

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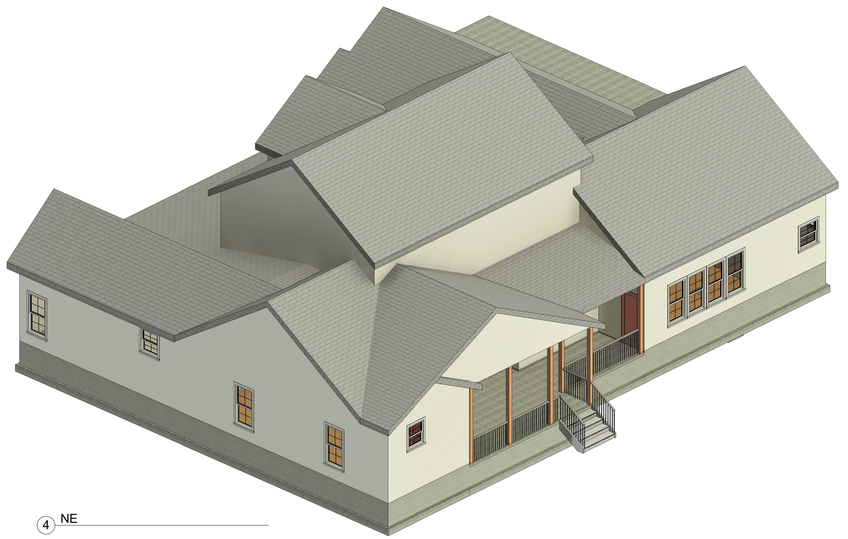

4 NE

6/6/2024 2:55:20 PM

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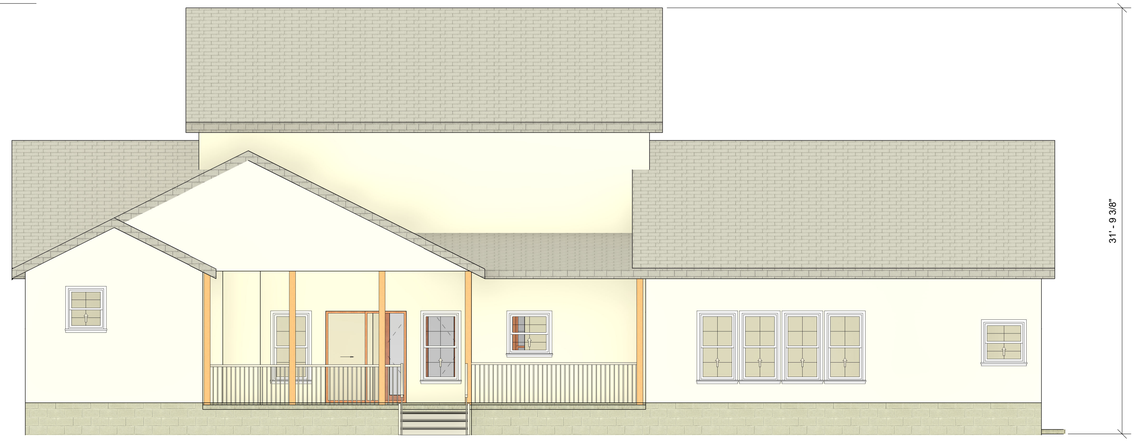
Drawn By	FP
Checked By	FP

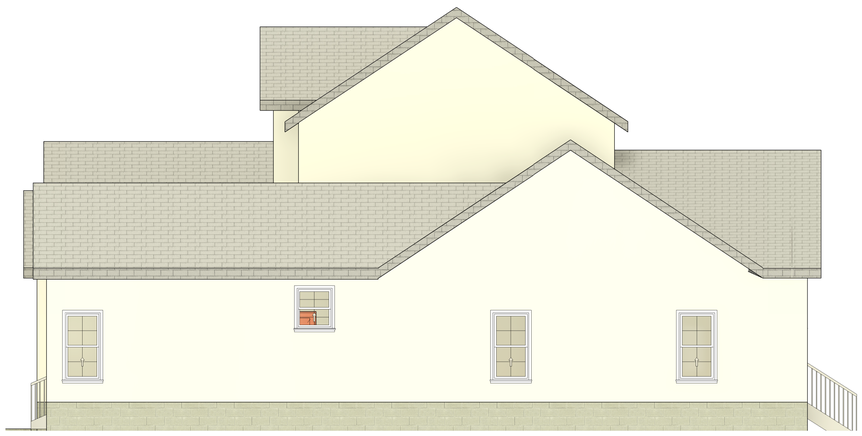
Sheet Name
3D VIEWS

Sheet Number
S.6

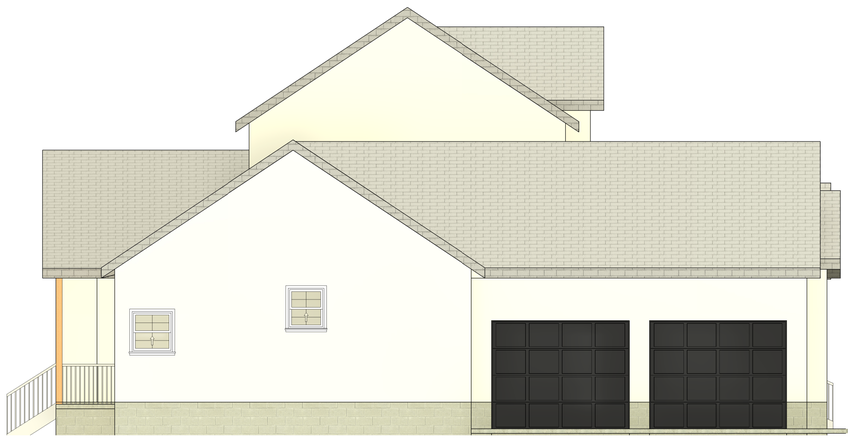
1 FRONT ELEVATION
1/4" = 1'-0"



2 REAR ELEVATION
3/16" = 1'-0"



3 RIGHT ELEVATION
3/16" = 1'-0"



4 LEFT ELEVATION
3/16" = 1'-0"

6/6/2024 2:55:26 PM

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Sheet Name
ELEVATIONS

Sheet Number
S.7

Sheet 7 of 7