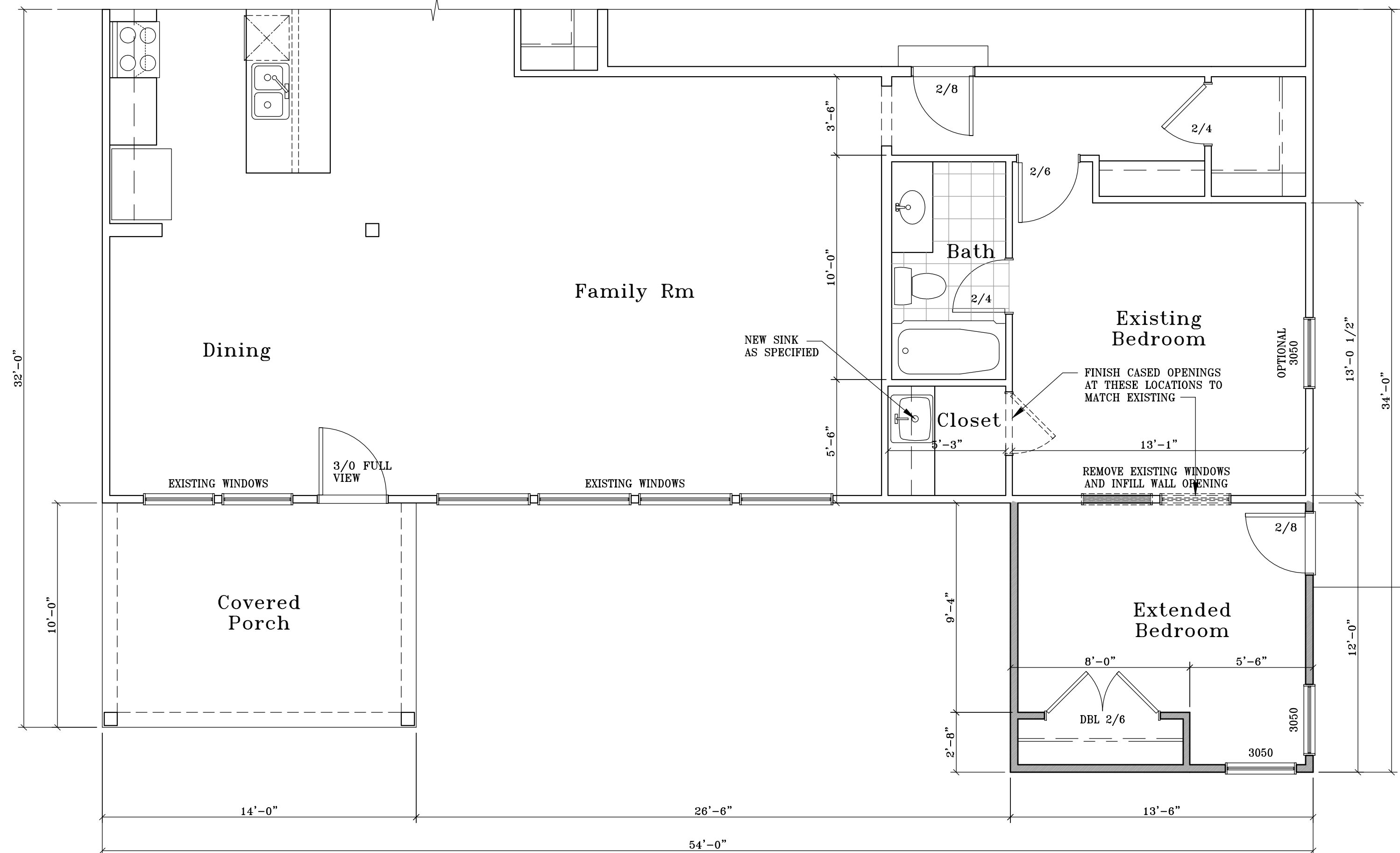
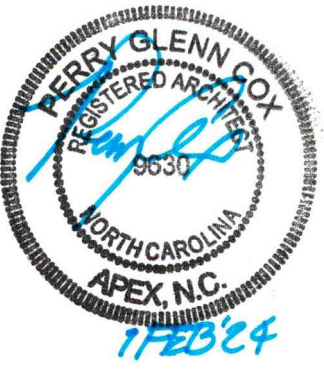


# GENERAL NOTES

1. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE WORK SHOWN ON THE DRAWINGS AND ON OTHER RELATED DOCUMENTS INCLUDING EXHIBITS AND SPECIFICATIONS FOR OWNER'S WORK.
2. EACH SUBCONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHERS AND BE AWARE OF ALL RELATED WORK TO BE PERFORMED BY OTHERS, VIA THE GENERAL CONTRACTOR.
3. COMPLY WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE - LATEST EDITION & REVISIONS, AND LOCAL ORDINANCES.
4. PROVIDE ADMINISTRATIVE COORDINATION OF ALL WORK, INCLUDING TRAINED, QUALIFIED EMPLOYEES SUBCONTRACTORS AND SUPERVISORY PERSONNEL.
5. EXISTING CONDITIONS
  - A. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH ALL EXISTING CONDITIONS, TAKE FIELD MEASUREMENTS AND RECORD ALL INFORMATION NEEDED TO PROVIDE A COMPLETE SCOPE OF WORK.
  - B. NOTIFY THE ARCHITECT IN WRITING IMMEDIATELY OF CONDITIONS WHICH CONFLICT WITH THE CONSTRUCTION DOCUMENTS.
  - C. NOTIFY THE OWNER IN WRITING IMMEDIATELY OF CONDITIONS WHICH MAY CONTRIBUTE TO UNNECESSARY, EXCESSIVE COSTS.
  - D. EXISTING CONDITIONS TAKE PRECEDENCE OVER DRAWINGS FOR DIMENSIONS.
6. KEEP ALL WORK CLEAN AND PROTECTED FROM DIRT, WEATHER, THEFT AND DAMAGE.
7. PROVIDE PRODUCTS FROM ONE MANUFACTURER FOR EACH TYPE OR KIND AS APPLICABLE. PROVIDE SECONDARY MATERIALS AS RECOMMENDED BY MANUFACTURERS OF PRIMARY MATERIALS.
8. INSTALLATION: INSTALLATION SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS IN THE CASE OF PROPRIETARY PRODUCTS AND SYSTEMS. OTHER INSTALLATION SHALL BE ACCORDING TO RELATED REFERENCED NATIONAL STANDARDS OR TRADE ASSOCIATION'S APPLICABLE STANDARDS.
9. NOTIFY THE OWNER IMMEDIATELY BY TELEPHONE OF ANY HIDDEN, UNFORSEEN CONDITIONS AND ANY REQUIREMENTS IMPOSED BY BUILDING OFFICIALS WHICH IMPACT THE WORK. CONFIRM ALL NOTIFICATIONS AND ACTION REQUIRED IN WRITING WITHIN 24 HOURS OF THE EVENT.
10. FOR ALL WORK INDICATED ON THE DRAWINGS, THE CONTRACTOR IS TO FURNISH AND INSTALL ALL MATERIALS, MEANS, METHODS AND ACCESSORIES AND PRODUCTS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
11. ALL DIMENSIONS ARE GIVEN TO/FROM FACE OF STUD UNLESS NOTED OTHERWISE. ALL CLEAR DIMENSIONS ARE TO HOLD. CONTRACTOR IS NOT TO SCALE DRAWINGS. DIMENSIONS GOVERN.
12. ALL HARDWARE TO BE INSTALLED AS PER CURRENT N.C. ACCESSIBILITY CODE.
13. THE CONTRACTOR IS RESPONSIBLE FOR ANY PREPARATION REQUIRED PRIOR TO THE INSTALLATION OF FLOOR COVERINGS. THIS INCLUDES FLASH PATCHING TO PROVIDE A LEVEL FLOOR TO A TOLERANCE OF 1/4" IN 12'.
14. ALL EXISTING CONDITIONS TO REMAIN SHALL BE CLEANED AND/OR OTHERWISE BE PREPARED TO RECEIVE NEW FINISHES AS INDICATED.
15. THE INTENT OF THE WORK IS FOR ALL EXPOSED FINISHED SURFACES TO BE A "LIKE-NEW" CONDITION. PATCH, EXTEND, REPAIR, CLEAN AND FINISH AS REQ'D TO PUT INTO ORDER ALL EXISTING-TO-REMAIN CONDITIONS.



**01 First Floor Plan** Scale: 1/4" = 1'-0"



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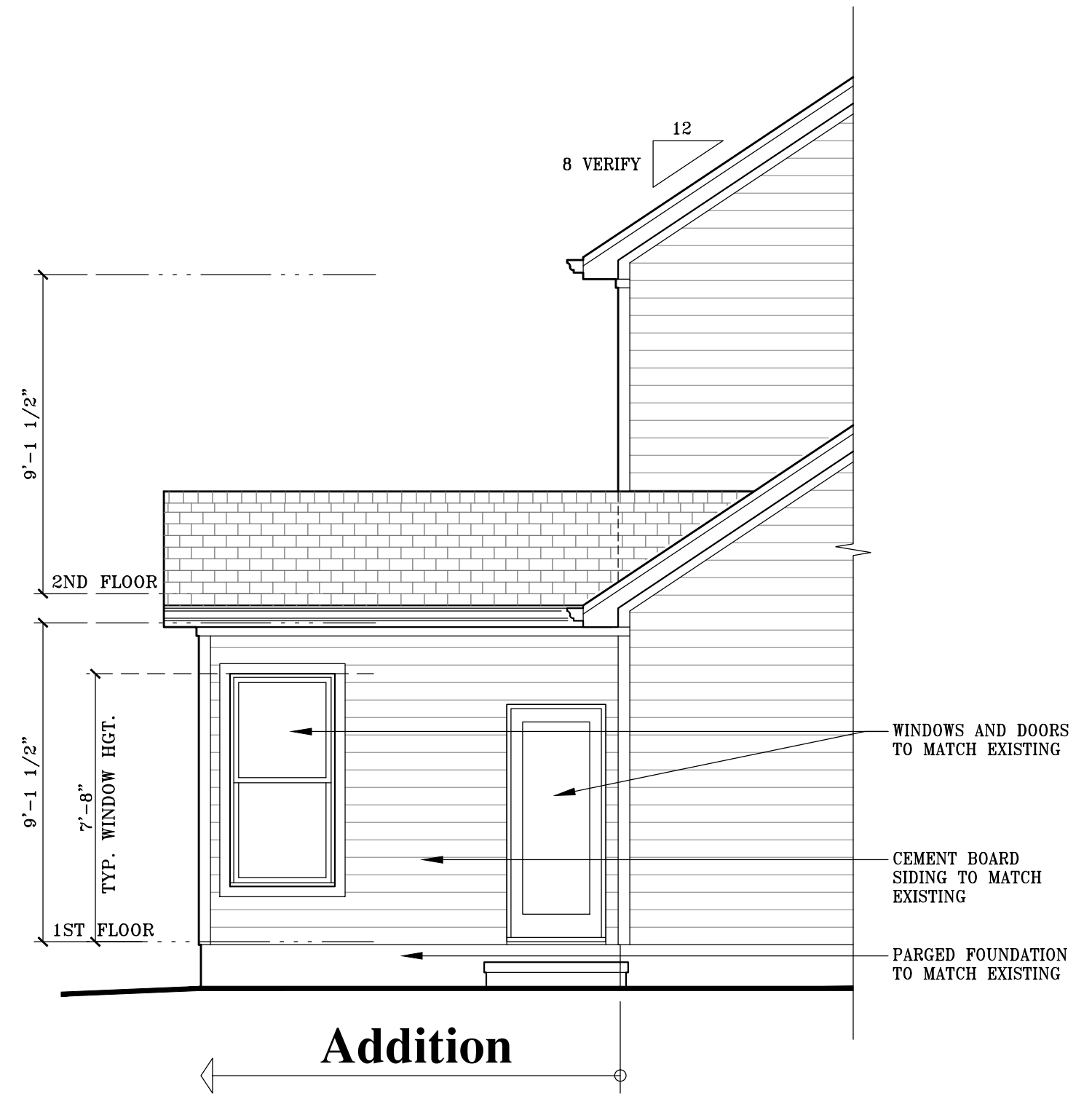
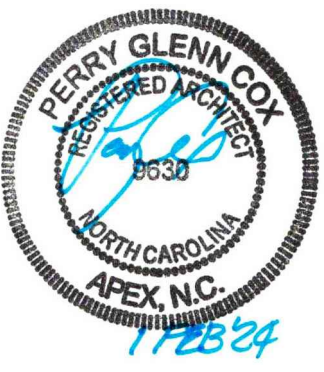
## Sweeney Addition

95 Sneed Lane  
Fuquay-Varina, NC 27526

31 January 2024

**A1**

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**01 Side Elevation** Scale: 1/4" = 1'-0"



**01 Rear Elevation** Scale: 1/4" = 1'-0"



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# STRUCTURAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK; NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- DESIGN LOADS (R301.4)

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (LL)
ROOMS (other than sleeping)	40	10	L/360
SLEEPING ROOMS	30	--	L/360
ATTIC WITH STORAGE	20	10	L/240
ATTIC WITHOUT STORAGE	10	10	L/240
STAIRS	40	10	L/240
EXTERIOR BALCONIES	60	10	L/360
DECKs	40	10	L/360
GUARDRAILS & HANDRAILS	200	--	--
PASSENGER VEHICLE GARAGES	50	10	L/360
FIRE ESCAPES	40	10	L/360
SNOW	15	--	--
WIND LOAD	(BASED ON 115 MPH WIND VELOCITY)		
- FOR WALL BRACING REQUIREMENTS, REFER TO SECTION R602.10 OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO).
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 1000 PSI) UNLESS NOTED OTHERWISE (UNO).
- ALL WOODEN BEAMS AND HEADERS SHALL HAVE THE FOLLOWING END SUPPORTS: (1) 2x4 STUD COLUMN FOR 6'-0" MAX. BEAM SPAN, (2) STUDS FOR BEAM SPAN GREATER THAN 6'-0" (UNO). ALL BEARING HEADERS AND HEADERS OVER 6'-0" IN LENGTH SHALL BE (2) 2x10's (UNO).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER OR PARRALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING PROPERTIES: Fb = 2800 PSI, Fv = 285 PSI, E = 1,900,000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. .
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED UNDER THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED TOP AND AT BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS GREATER THAN 6'-0" (UNO).

## NOTES:

ALL FRAMING MEMBERS (JOISTS, GIRDERS AND HEADERS) ARE # 2 S.P.F. UNLESS NOTED

PROVIDE 36" W. x 24" H. (MIN.) ACCESS DOOR. LOCATE AS REQUIRED BY FINISHED GRADE.

FOOTING SIZES BASED ON 2,000 psf ALLOWABLE SOIL BEARING PRESSURE.

### Header Schedule

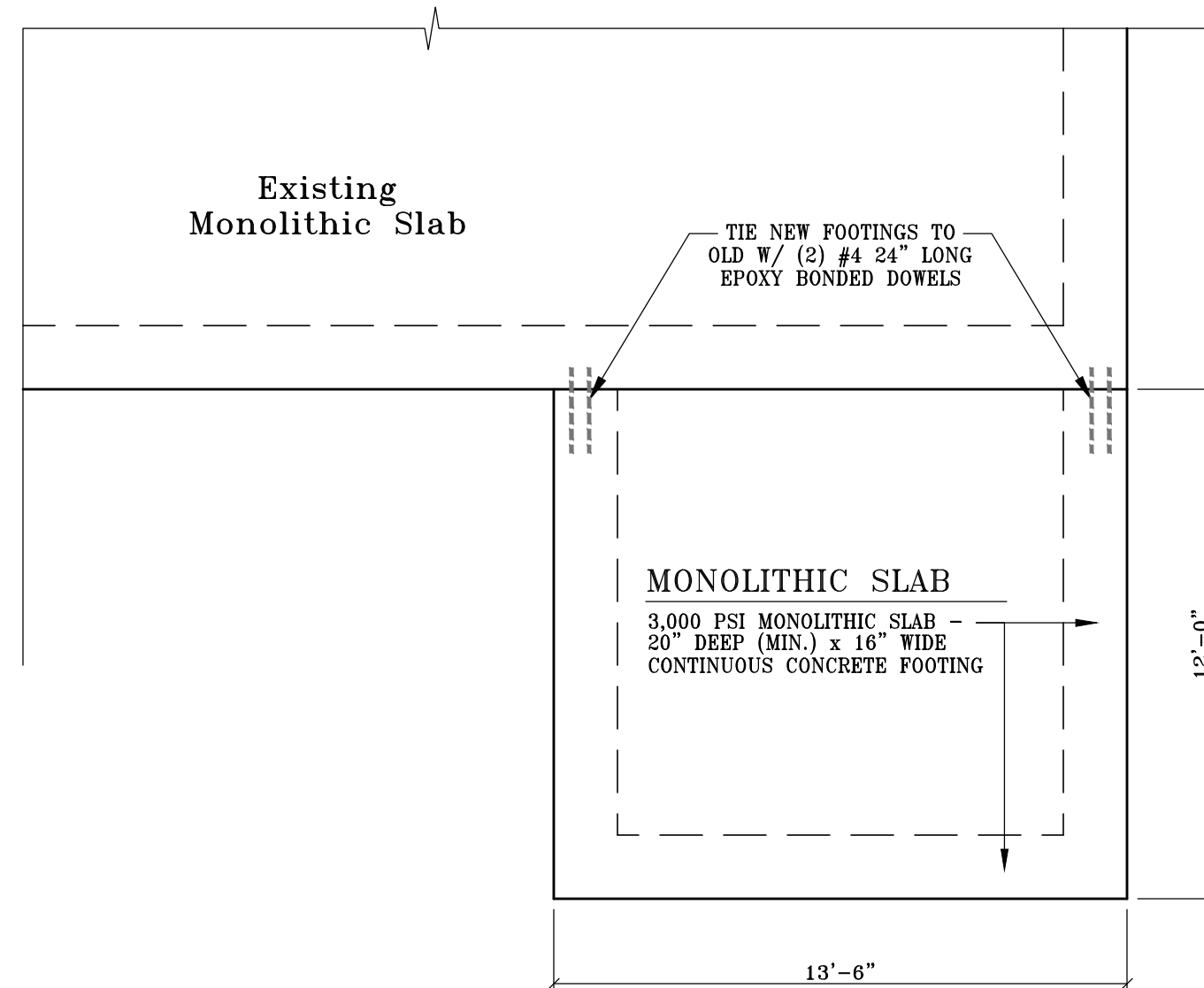
- ALL HEADERS IN EXTERIOR WALLS ARE (2) 2x10, UNLESS NOTED OTHERWISE

- ALL HEADERS IN INTERIOR LOAD-BEARING WALLS ARE (2) 2x10, U.N.O.

- HEADERS FOR INTERIOR NON-LOAD BEARING WALLS ARE AS LISTED BELOW, U.N.O.:

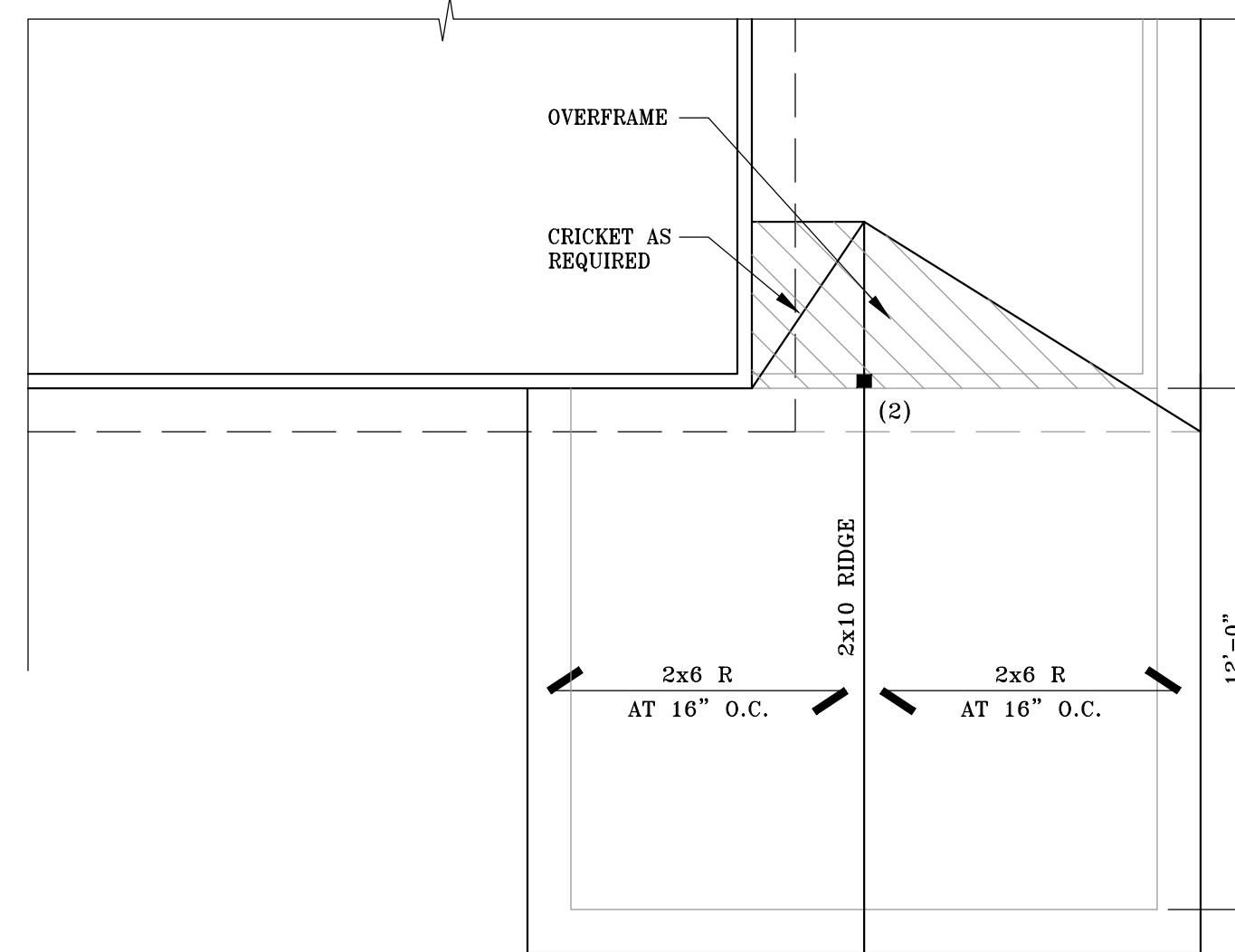
SPAN	SIZE
Less than 3'-0"	(2) 2x4
3'-0" to 4'-0"	(2) 2x6
4'-0" to 5'-0"	(2) 2x8
5'-0" to 8'-0"	(2) 2x10

NOTE: NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET.



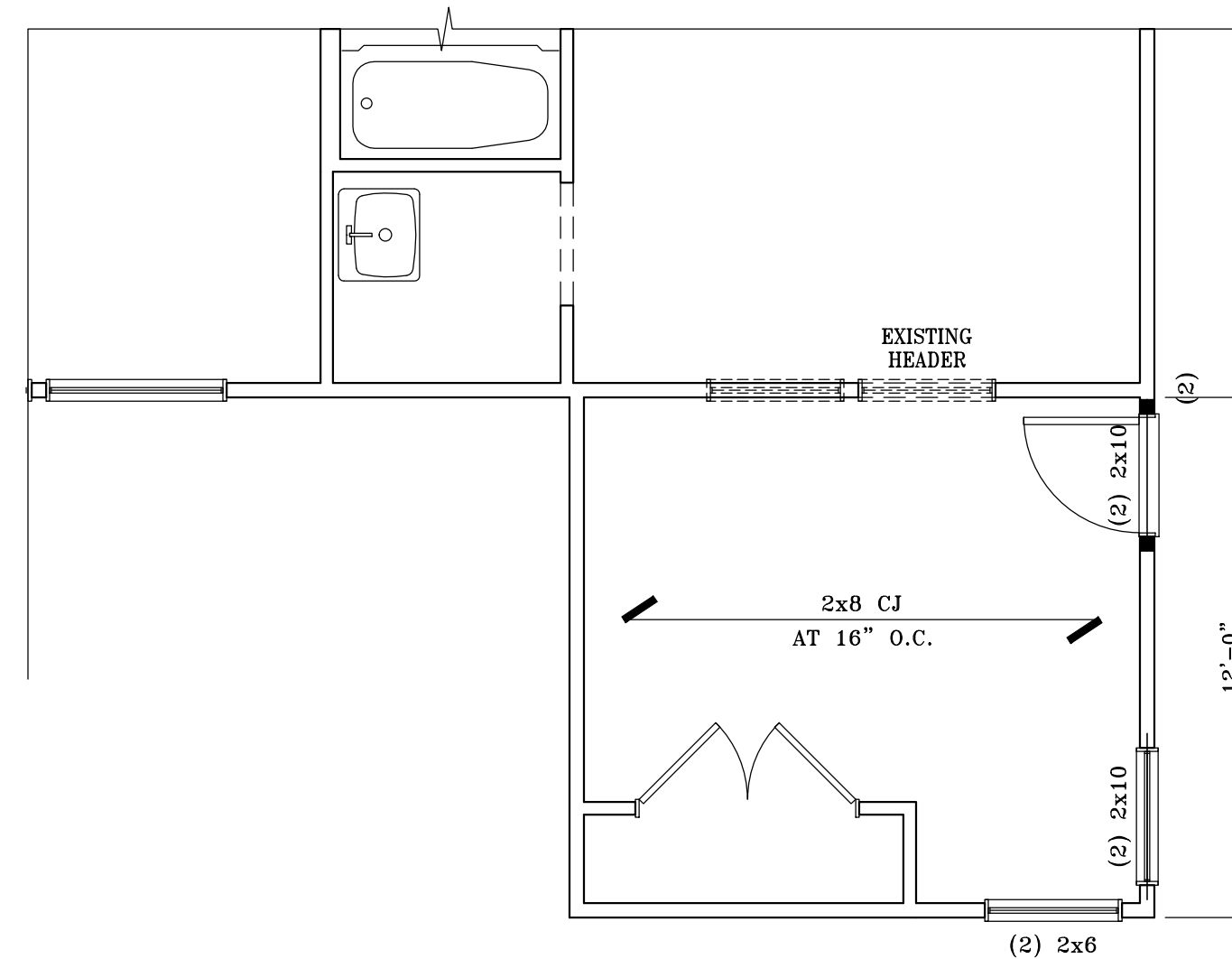
**01 Foundation Plan**

Scale: 1/4" = 1'-0"



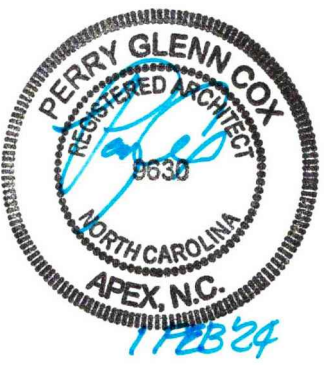
**03 Roof Framing Plan**

Scale: 1/4" = 1'-0"



**02 First Floor Framing**

Scale: 1/4" = 1'-0"



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