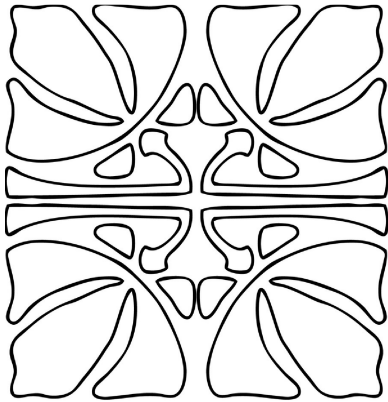




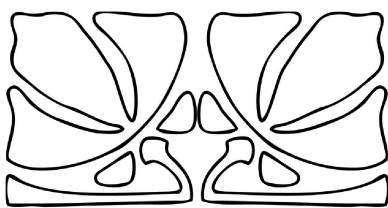
FRONT ELEVATION
1/4" = 1'-0"



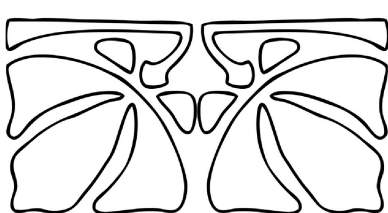
RIGHT ELEVATION
1/4" = 1'-0"



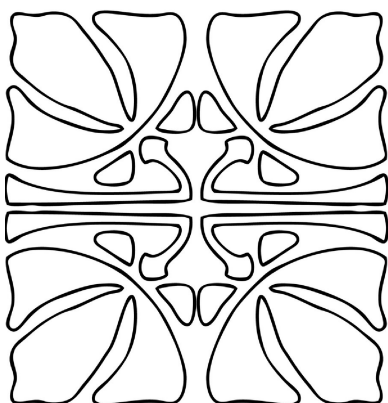
SCHUEMAN RESIDENCE

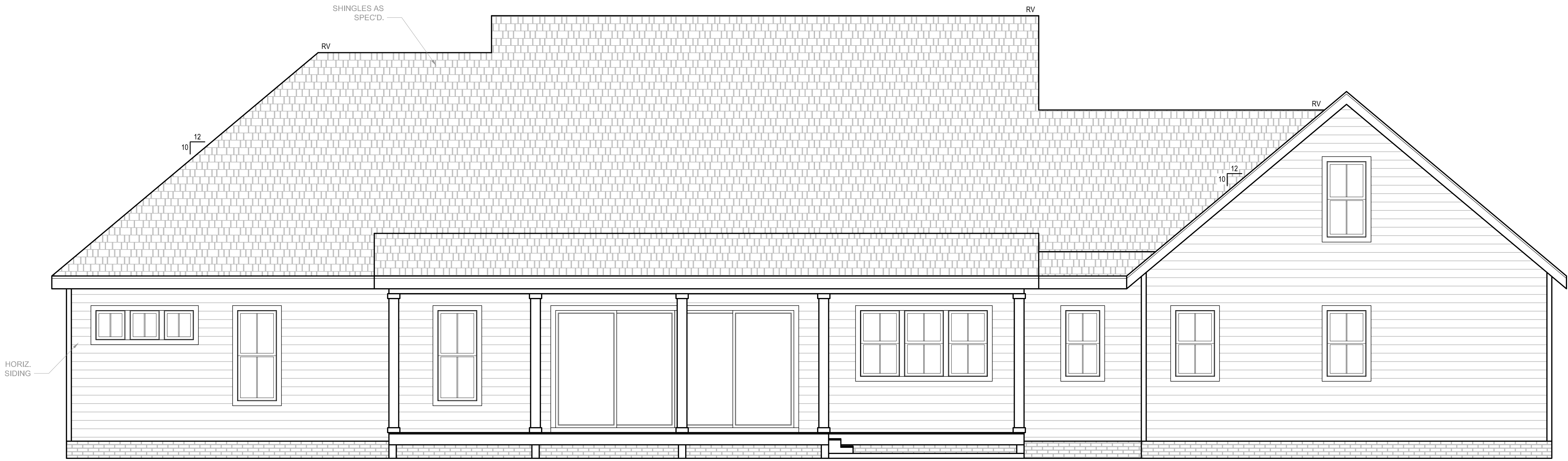


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JAKE & MADISON SCHUEMAN

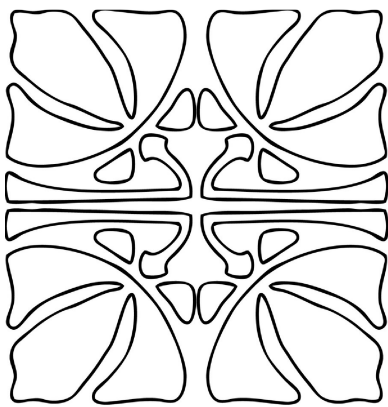




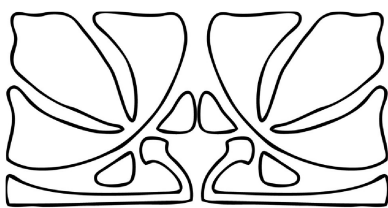
REAR ELEVATION
1/4" = 1'-0"



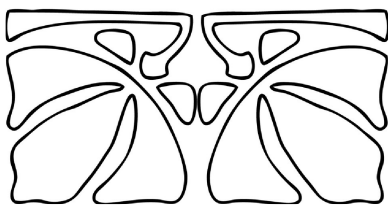
LEFT ELEVATION
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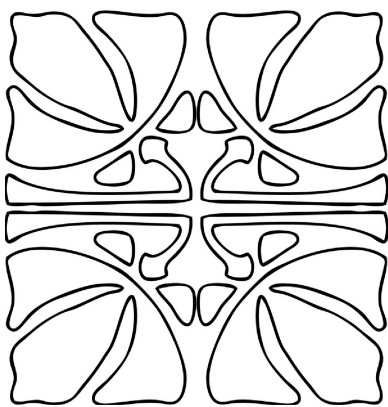
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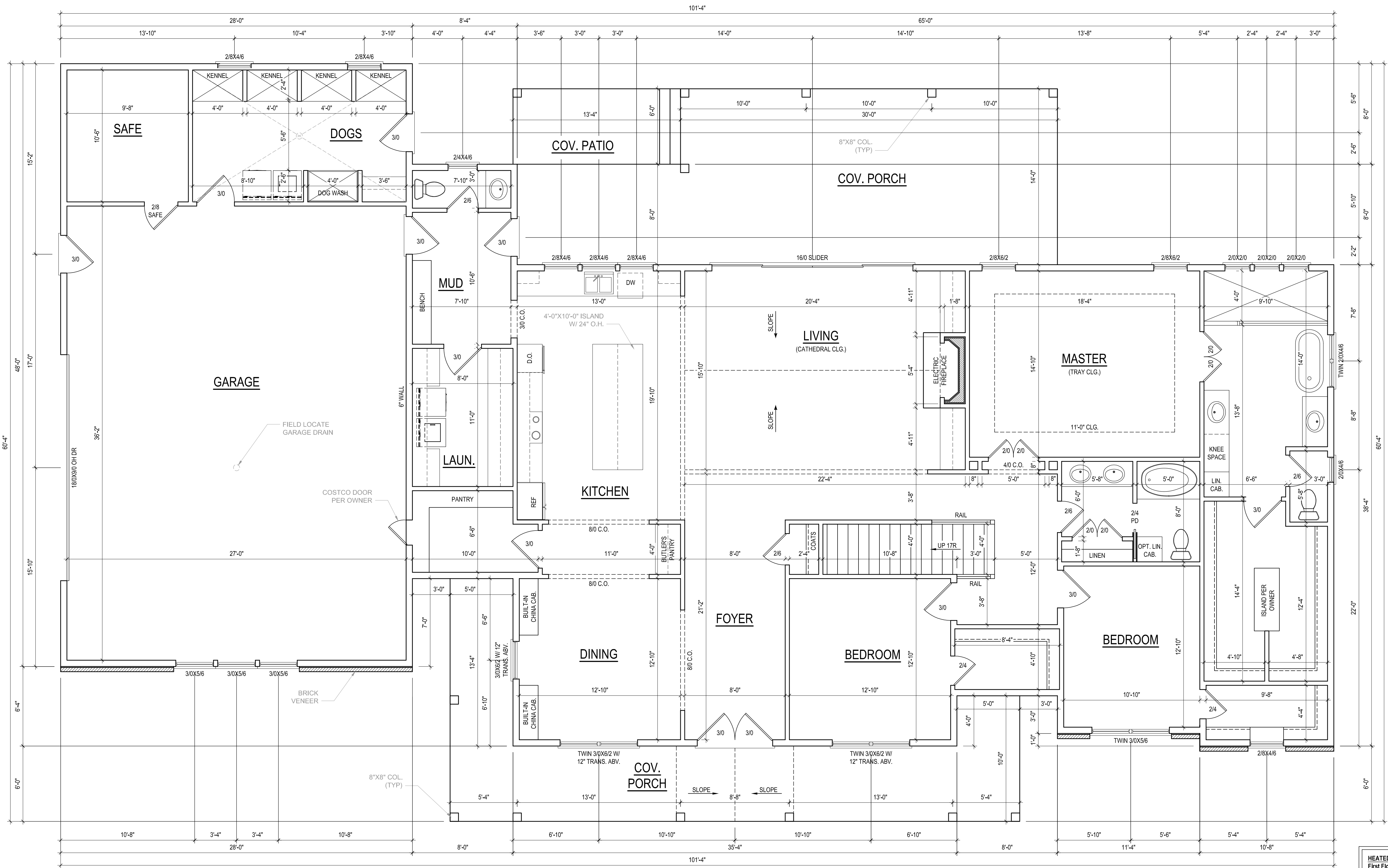


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FIRST FLOOR PLAN

1/4" = 1'-0" CEILING HGT. = 10'-0"

ALL EXTERIOR WALLS TO BE 6" THICK
ALL INTERIOR WALLS TO BE 4" THICK

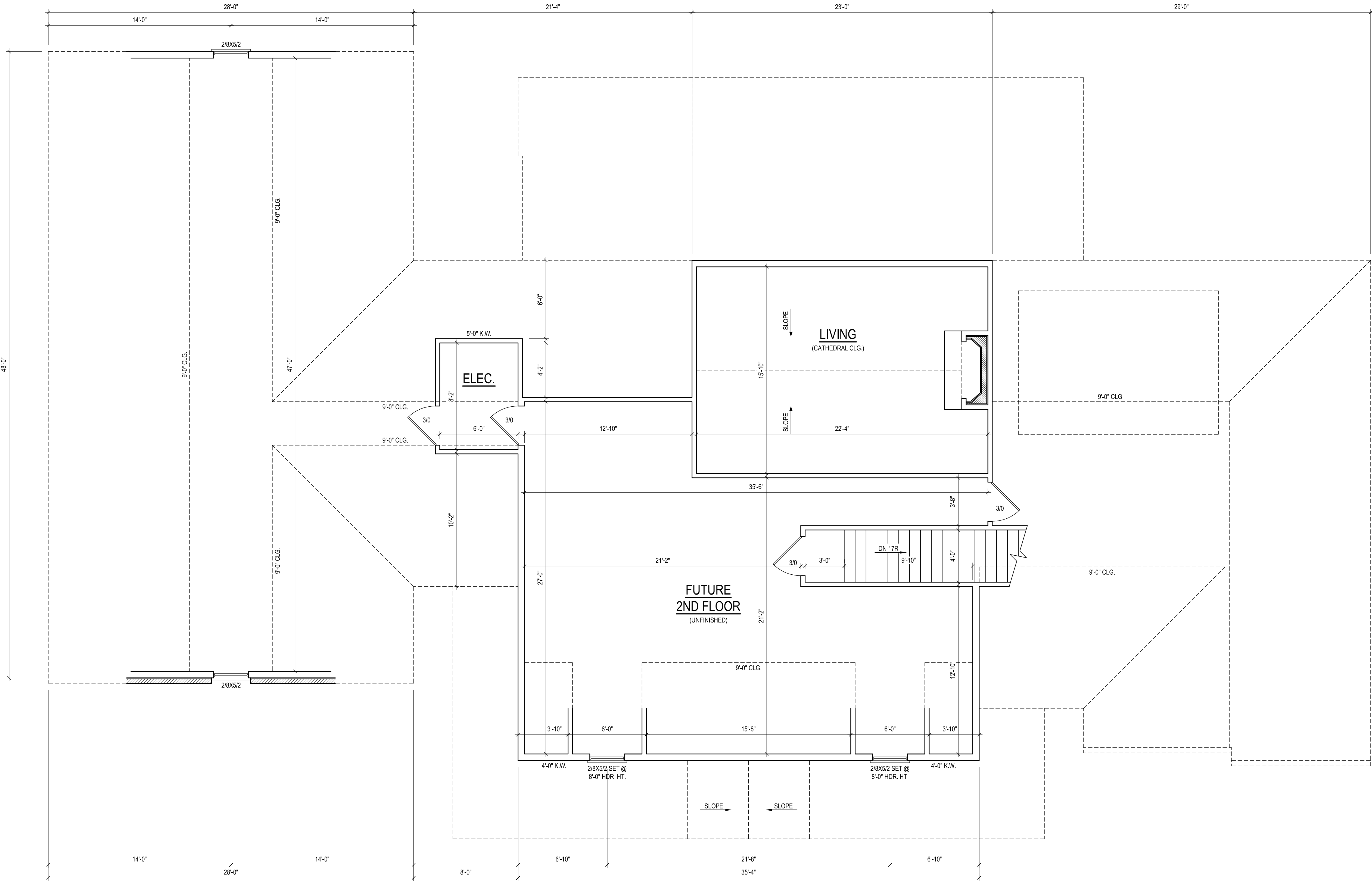
HEATED SF	
First Floor	3060
Second Floor	16
TOTAL HEATED	3076
UNHEATED SF	
Garage	1012
Front Porch	359
Rear Porch	524
Cov. Patio	80
Future 2nd Floor	855

It is the sole responsibility of the contractor and/or builder to determine whether these plans conform to all standards, provisions, requirements, methods of construction, and structures provided by applicable building codes, and any other local agencies, and in accordance with good engineering and construction practices. Cider House Studio does not assume liability for any deviation or discrepancy in these plans. If a discrepancy is discovered, please contact Cider House Studio before continuing work.

SCHUEMAN RESIDENCE

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JAKE & MADISON SCHUEMAN

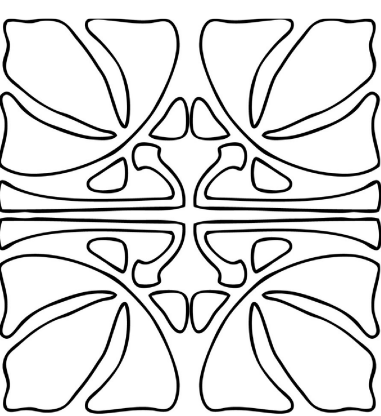


SECOND FLOOR PLAN

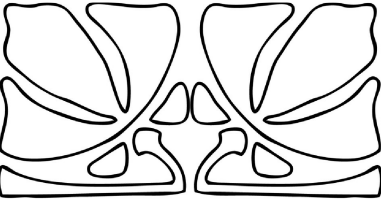
1/4" = 1'-0" CEILING HGT. = 9'-0"

ALL EXTERIOR WALLS TO BE 6" THICK
ALL INTERIOR WALLS TO BE 4" THICK

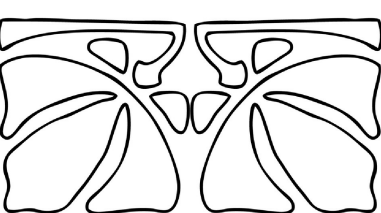
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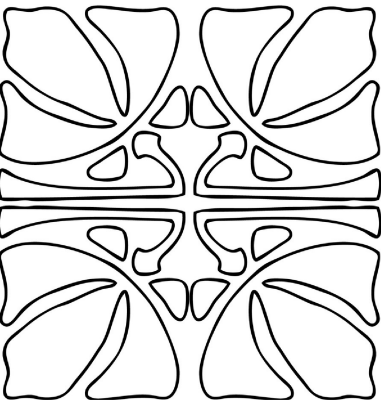
SCHLIEIMAN RESIDENCE



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JAKE & MADISON SCHLIEIMAN



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APPLICABLE DESIGN CODES:

- 2024 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE
- DESIGN WIND SPEED: Vult: 120 MPH

FOUNDATIONS AND SOIL CONDITIONS

- ALLOWABLE BEARING CAPACITY FOR SHALLOW PAD FOUNDATIONS: 2000 PSF (ASSUMED VALUE BASED ON CODE RECOMMENDATIONS)
- EXCAVATIONS TO BE FREE OF LOOSE SOIL MATERIAL, DEBRI, AND EXCESS WATER.

EXCAVATIONS

- CONTRACTOR SHALL FOLLOW ALL OSHA STANDARDS AND RECOMMENDATIONS FOR EXCAVATIONS. THIS INCLUDES BUT NOT NOT LIMITED TO SLOPES OF CUTS AND SHORING OF EXCAVATIONS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY EXISTING UTILITIES ON THE PROJECT SITE PRIOR TO ANY EXCAVATION. THE ENGINEERS OF RECORD SHALL BE NOTIFIED OF ANY CONFLICT DUE TO ANY EXISTING UTILITIES OR CONDITIONS.

CONCRETE

- COMPRESSIVE STRENGTH (F'C) = 3000 PSI
- ENTRAINED AIR = 6% ±1% BY VOLUME
- ALL CONCRETE TO BE DESIGNED AND CONSTRUCTION USING THE SPECIFICATIONS STATED IN ACI 318 (LATEST CODE ADOPTED EDITION).
- MINIMUM CONCRETE COVER AND EDGE DISTANCES TO FOLLOW ACI 318 (LATEST CODE ADOPTED EDITION).
- CONSTRUCTION JOINTS REQUIRE APPROVAL BY THE STRUCTURAL ENGINEER.
- CONCRETE SHALL BE THOROUGHLY VIBRATED IN FORMS.
- WHEN MULTIPLE POURS ARE REQUIRED, EXISTING CONCRETE SURFACES SHALL BE ROUGHENED. CONCRETE BONDING AGENT SHALL THEN BE APPLIED TO ALL ROUGHENED SURFACES. BONDING AGENT MUST CONFORM TO ASTM C1059, TYPE II.
- CONCRETE SLABS ON GRADE MUST SATISFY THE FOLLOWING
 - MIN. 4" THICK.
 - CONTAIN WELDED WIRE FABRIC OR SYNTHETIC MICROFIBERS. MICROFIBERS MUST BE 1.5" LONG, HAVE A MINIMUM COMPRESSION STRESS OF 3400 PSI, AND APPLIED AT A RATE OF 1-15 LBS PER CUBIC YARD OF CONCRETE.
 - 6 MIL VAPOR BARRIER BELOW SLAB (CAN BE OMITTED FOR NON-HEATED SPACES)
 - PLACED ON 4" OF GRANULAR FILL THAT RESTS ON SOIL ACHIEVING 90% COMPACTION (OR GEOTECH APPROVED FILL)
- CONCRETE MUST CURE FOR A MINIMUM OF 28 DAYS PRIOR TO INSTALLING ANY STRUCTURE UNLESS GIVEN APPROVAL FROM ENGINEER OF RECORD.

REINFORCEMENT (IF REQ'D BY PLANS)

- REINFORCEMENT SHALL BE GRADE 60 AND CONFORM TO ASTM A615. SEE THE "MANUAL OF STEEL PRACTICE", LATEST EDITION, FOR DETAILING, FABRICATION, AND PLACEMENT PRACTICES
- REINFORCEMENT LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO

MINIMUM LAP SPLICES	
REBAR SIZE	MIN. LAP SPLICE (IN)
#4	18"

- MINIMUM CONCRETE COVER FOR REINFORCEMENT (UNO)
 - EXPOSED TO EARTH = 2" MIN.
 - ALL OTHER = 1.5" MIN.

POST - INSTALLED ANCHORS

- POST INSTALLED ANCHORS INDICATED ON PLANS CAN BE SUBSTITUTED WITH AN ENGINEER APPROVED EQUIVALENT PRODUCT.
- IF ANCHOR NOT LISTED ON PLANS, THE FOLLOWING PRODUCTS CAN BE USED
 - ADHESIVE ANCHOR: HILTI HIT-RE 500 V3 EPOXY (USE MANUFACTURED APPROVED ANCHOR WITH EPOXY)
 - MECHANICAL ANCHOR: HILTI KWIK BOLT TZ, HILTI KWIK HUS-EZ
- SUBSTITUTIONS FOR ANCHORING PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD.
- FOLLOW MANUFACTURE'S GUIDELINES FOR INSTALLATION.
- CONCRETE MUST CURE FOR A MINIMUM OF 7 DAYS PRIOR TO INSTALLING ANY POST - INSTALLED ANCHORS UNLESS GIVEN APPROVAL FROM ENGINEER OF RECORD.

WOOD LUMBER

- SAWN WOOD MEMBERS ARE DESIGNED BASED ON SOUTHERN YELLOW PINE #2 OR SPRUCE PINE #2. (LUMBER MUST MEET OR EXCEED THE PROPERTIES FOR THESE SPECIES)
- MAX STUD WALL HEIGHTS UNLESS STATED OTHERWISE:
 - 2X4 @ 16" O.C. = 11' - 0" MAX HEIGHT
 - 2X4 @ 12" O.C. = 12' - 0" MAX HEIGHT
 - 2X6 @ 16" O.C. = 13' - 0" MAX HEIGHT
 - 2X6 @ 12" O.C. = 18' - 0" MAX HEIGHT

ENGINEERED LUMBER

- MINIMUM PROPERTIES
 - LSL: E = 1300 KSI ; FB = 1900 PSI ; FV = 150 PSI ; FC = 670 PSI
 - LVL: E = 2000 KSI ; FB = 2600 PSI ; FV = 285 PSI ; FC = 750 PSI
 - PSL: E = 2000 KSI ; FB =2900 PSI ; FV = 290 PSI ; FC = 625 PSI
- MULTI PLY BEAMS TO BE FASTENED TOGETHER PER MANU. RECOMMENDATIONS.

GENERAL STRUCTURAL SPECIFICATIONS

TIMBER PILES

- PILES SHALL BE NO. 2 SOUTHERN PINE OR APPROVED EQUIVALENT. THE MINIMUM NET RETENTION OF PRESERVATIVES SHALL BE IN ACCORDANCE WITH AWWA U1.
- PILES MUST MEET STATE BUILDING CODE AND ASTM DESIGNATION D25 REQUIREMENTS
- PILES MUST MEET MINIMUM EMBEDMENT DEPTH PER PLANS. DEPTH MAY BE INCREASED TO REACH MINIMUM VERTICAL CAPACITY PER THE PLANS.
- IT IS RECOMMENDED A GEOTECHNICAL SOIL ANALYSIS BE CONDUCTED FOR PILE CONSTRUCTION. (SKIN FRICTION AND END BEARING CAN BE CONSIDERED WHEN CALCULATING VERTICAL PILE CAPACITIES)

STRUCTURAL STEEL

- STEEL MEMBERS AND MINIMUM GRADE:
 - W-SHAPES = A992 (50 KSI)
 - SQ/RECT. HSS = A500 GRADE B (48 KSI)
 - ROUND HSS = A500 GRADE B (42 KSI)
 - PIPE = A53 GRADE B. (35 KSI)
 - OTHER SHAPES = A36 (36 KSI)
 - BOLTS = A325 (90 KSI)
 - THREADED RODS = A36 (36 KSI)
- STRUCTURAL STEEL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
- STRUCTURAL MEMBERS SHOULD BE HOT-DIP GALVANIZED PER ASTM A123, UNLESS NOTED OTHERWISE
- FENCE POSTS SHALL BE ASTM F1083 (SCH. 40) OR ASTM F1043 UNLESS NOTED OTHERWISE ON THE PLANS

WELDING

- WELDING ELECTRODES = E70XX
- WELDING MUST PER PERFORMED BY AN AWS CERTIFIED WELDER

BOLTS AND LAG SCREWS

- BOLTS SHALL CONFORM TO ASTM A307 MINIMUM GRADE TYP UNO.
- BOLTS, WASHERS, AND NUTS SHALL BE GALVANIZED IN ACCORDANCE TO ASTM A153 IF EXPOSED TO ELEMENTS.
- LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-1981.D
- CAST IN PLACE CONCRETE ANCHORS TO BE PROTECTED FROM DAMAGE DURING CONCRETE INSTALL, INCLUDING THREAD CONTACT WITH WET CONCRETE.

ADDITIONAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE ENGINEER OF RECORD SHOULD BE CONTACTED PRIOR TO CONSTRUCTION IF:
 - THE PLANS CONTAINS INACCURATE INFORMATION
 - PLANS ARE INCOMPLETE OR LACK NECESSARY INFORMATION FOR CONSTRUCTION
- THE CONTRACTOR SHALL REVIEW ALL DIMENSION. ANY DISCREPANCY SHOULD BE REPORTED TO ENGINEER OF RECORD PRIOR TO CONSTRUCTION OR PROCEEDING.
- FOUNDATION CONTRACTOR SHALL COMPLY WITH ALL OSHA STANDARDS.

WALL BRACING

- CONTINUOUS SHEATHING
 - $\frac{7}{16}$ " (MIN.) OSB ON ALL EXTERIOR WALLS
 - WHERE BLOCKING REQ'D
 - CENTER OF PANEL: 8d NAILS @ 12" O.C.
 - VERTICAL EDGE OF PANEL: 8d NAILS @ 12" O.C.
 - HORIZONTAL EDGE OF PANEL: 8d NAILS @ 6" O.C.
 - WHERE NO BLOCKING REQUIRED:
 - CENTER OF PANEL: 8d NAILS @ 12" O.C.
 - VERTICAL EDGE OF PANEL: 8d NAILS @ 6" O.C.
 - HORIZONTAL EDGE OF PANEL: 8d NAILS @ 3" O.C

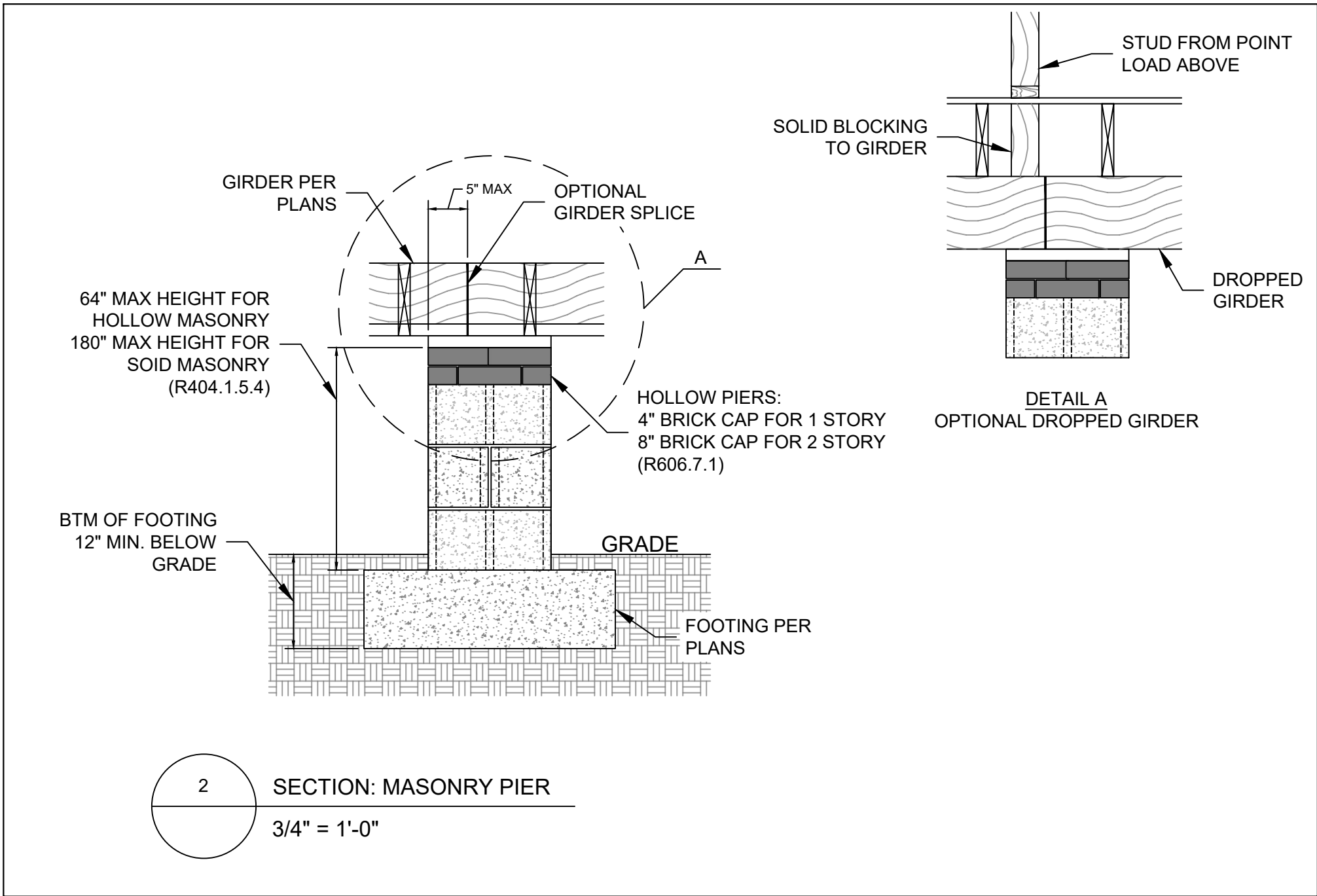
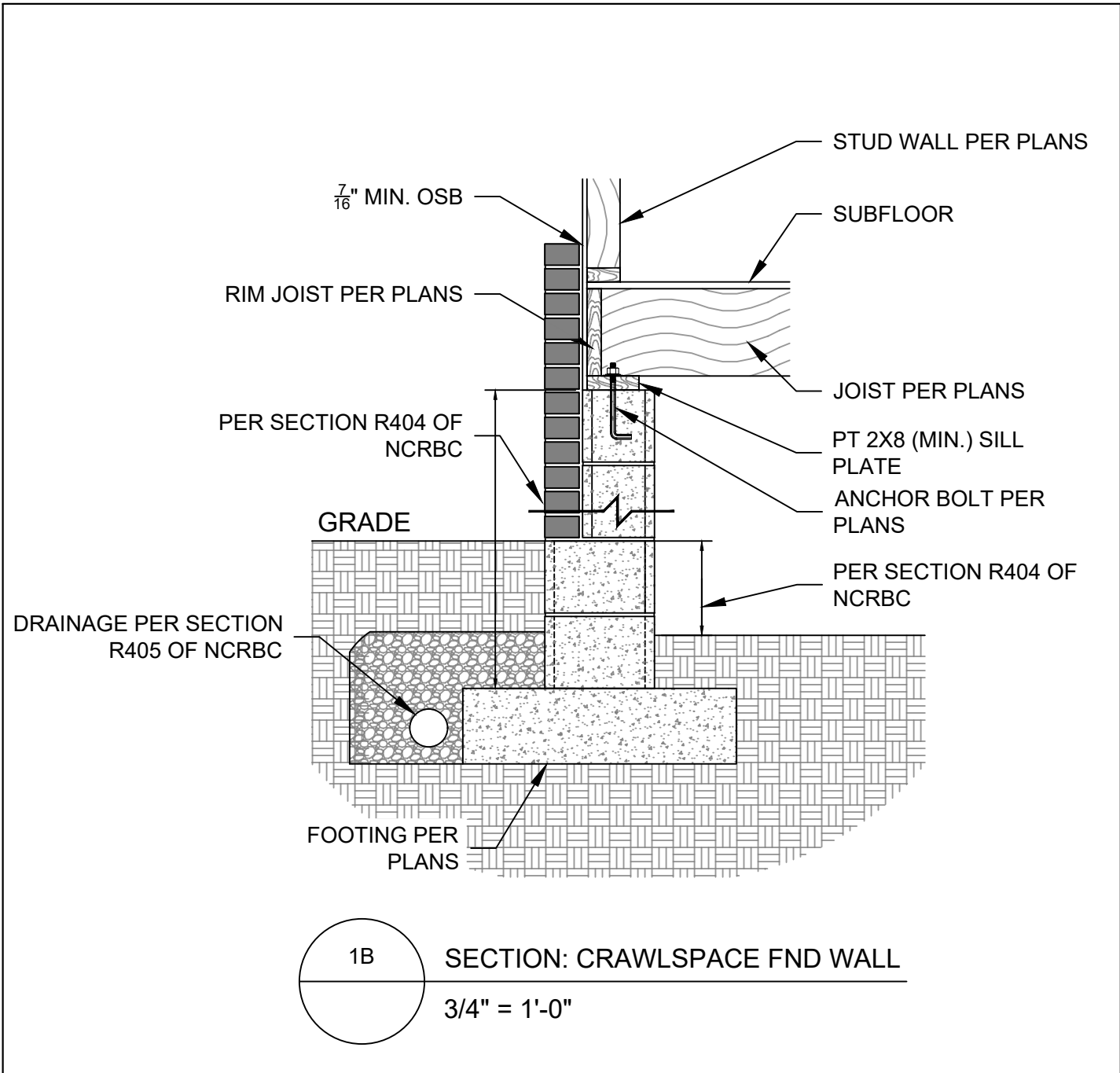
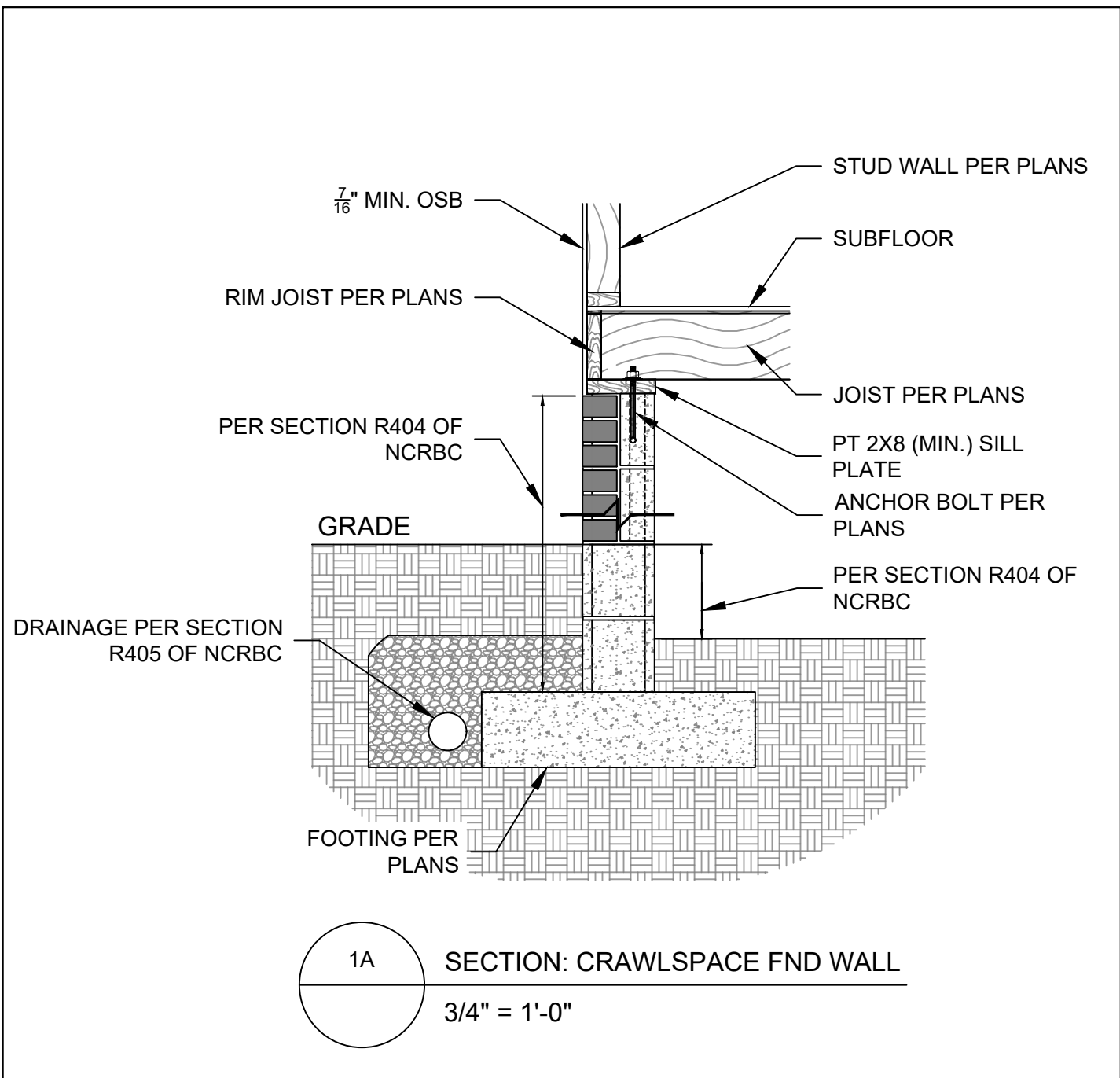
- GB: GYPSUM BOARD BRACING (WHERE INDICATED)
 - $\frac{1}{2}$ " (MIN.) INSTALLED ON BOTH SIDES OF WALL
 - INTERIOR OF PANEL NAILING: 5d NAILS @ 7" O.C.
 - PANEL EDGE NAILING: 5d NAILS @ 7" O.C.

- WSP: WOOD STRUCTURAL PANEL BRACING (WHERE INDICATED)
 - $\frac{3}{8}$ " (MIN.) WSP
 - INTERIOR OF PANEL NAILING: 6d NAILS @ 12" O.C. (8d FOR $\frac{7}{16}$ " WSP) PANEL
 - EDGE NAILING: 6d NAILS @ 6" O.C. (8d FOR $\frac{7}{16}$ " WSP)

DOCUMENTS AND LIMITATIONS

- THIS DOCUMENT SERVES TO PROVIDE A TOOL FOR THE SPECIFIC NEEDS OF THE PARTICULAR JOB SITE AND INFORMATION GIVEN. ENDURE ENGINEERING PLLC DOES NOT ACCEPT LIABILITY FOR REUSE OR IMPROPER USE OF THIS DOCUMENT UNLESS GIVEN PRIOR WRITTEN AUTHORIZATION.
- THE DESIGNS IN THIS DOCUMENT ARE BASED ON THE STATED ADOPTED CODE TO BE USED AND CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRACTICES. THE STRUCTURAL ENGINEER OF RECORD GIVES NO WARRANTY FOR ANY FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE.
- ALL FIELD MODIFICATIONS REQUIRE WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER OF RECORD. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY WORK THAT HE/SHE DID NOT REVIEW OR WAS NOT COMPLETED IN ACCORDANCE WITH THE SEALED RELEASED PLANS.

ABBREVIATION	TERM
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
BE	BOTH ENDS
BF	BOTTOM FLUSH
BTWN	BETWEEN
BW	BOTH WAYS
CLR	CLR
CONC	CONCRETE
DIA	DIAMETER
DBL	DOUBLE
DSP	DOUBLE STUD POCKET
EQ	EQUAL
EA	EACH
FLG	FLANGE
FND	FOUNDATION
HDG	HOT-DIPPED GALVANIZED
MSN	MASONRY
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PL	PLATE
STD	STANDARD
SQ	SQUARE
THK	THICK
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
XJ	EXTRA JOIST
XS	EXTRA STRONG



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www.EndureEngineering.com

055064

7/23/2025

SEALED

North Carolina Professional Engineer

Clayton L. Hudson

PROJECT DETAILS

CLIENT: JAKE AND MADISON SCHUEMAN
CLIENT EMAIL:
SCOPE OF WORK: STRUCTURAL PLANS
ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546
NOTES:

DESCRIPTION

BY DATE

REV #

0 STRUCTURAL PLANS AND FOUNDATION
1 STRUCTURAL PLANS AND FOUNDATION
2 STRUCTURAL PLANS AND FOUNDATION

CLH 04/15/2025
CLH 04/29/2025
CLH 07/23/2025

SPECIFICATIONS AND DETAILS

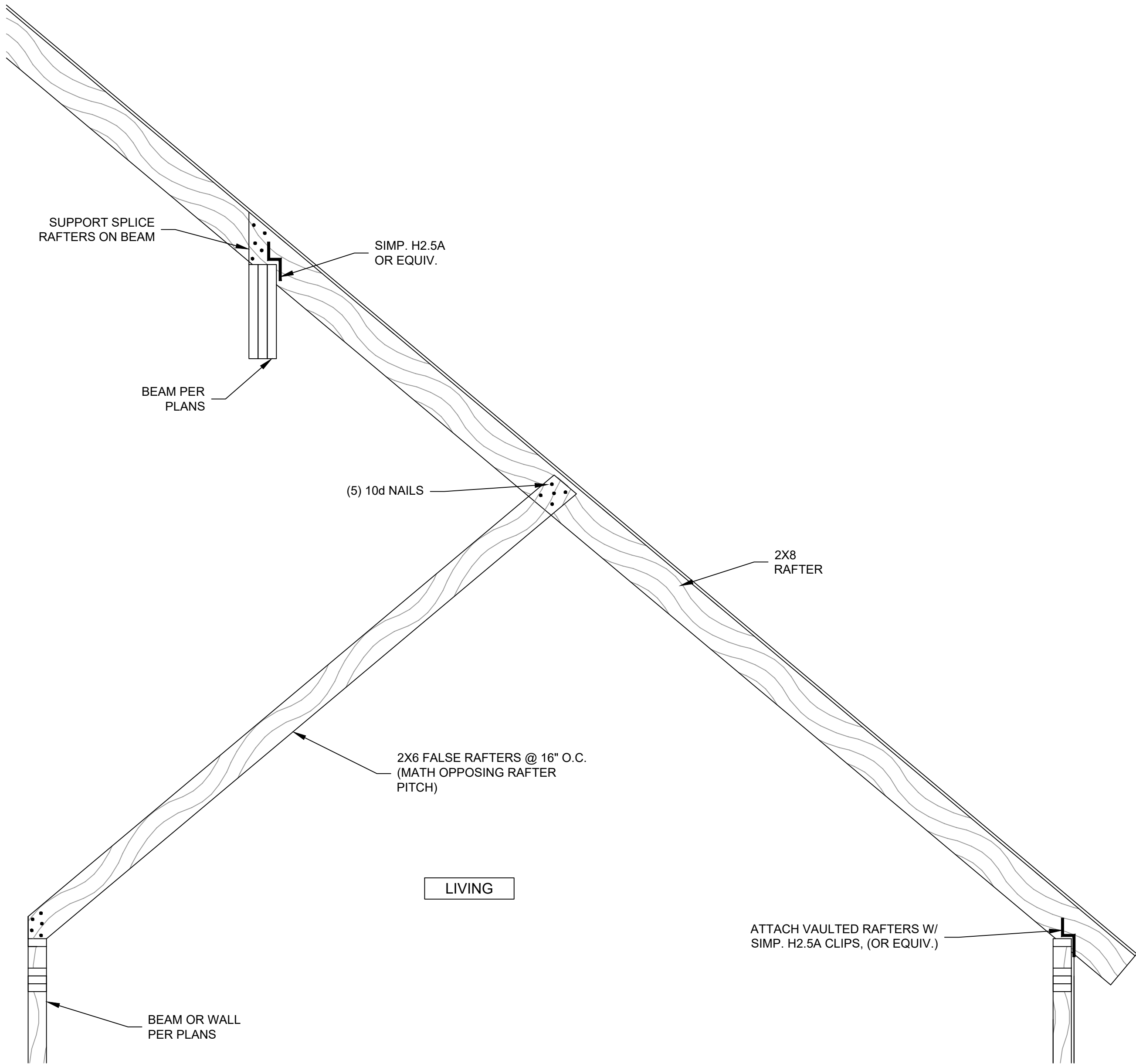
SCALE:

PROJECT #
25-1-36
SHEET #

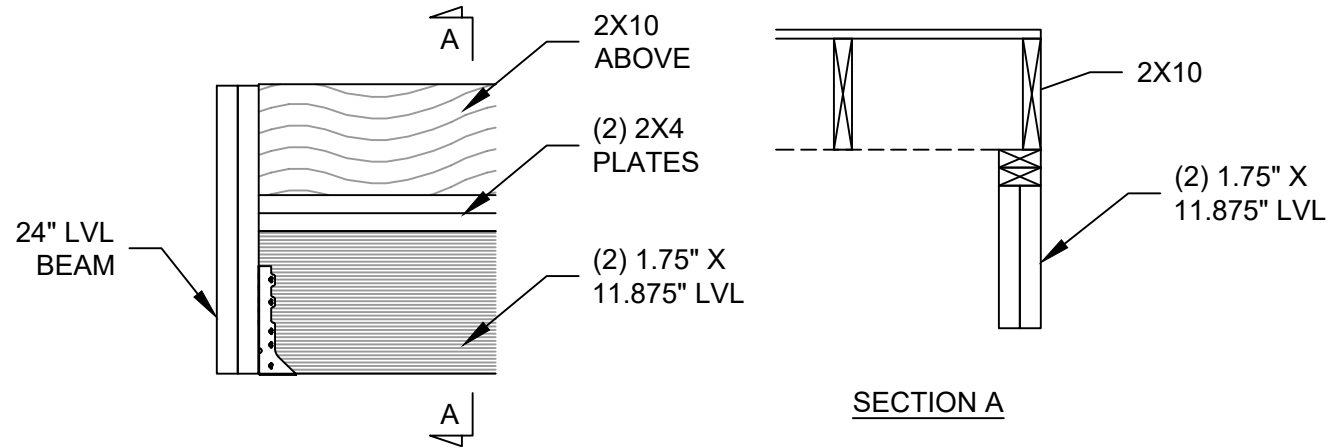
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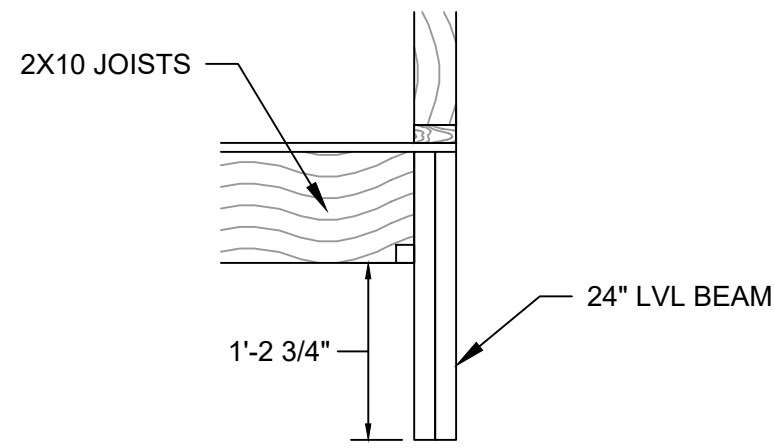
9 SECTION: OPTION: LIVING ROOM VAULT
3/4" = 1'-0"



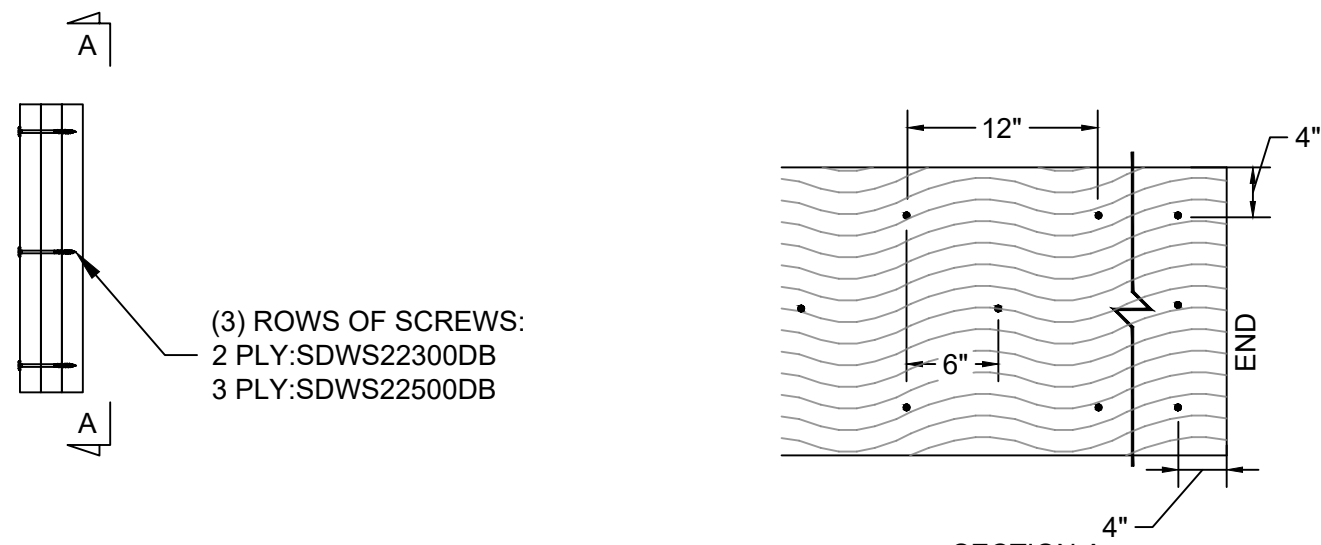
7 LVL HEADER CONNECTION
3/4" = 1'-0"



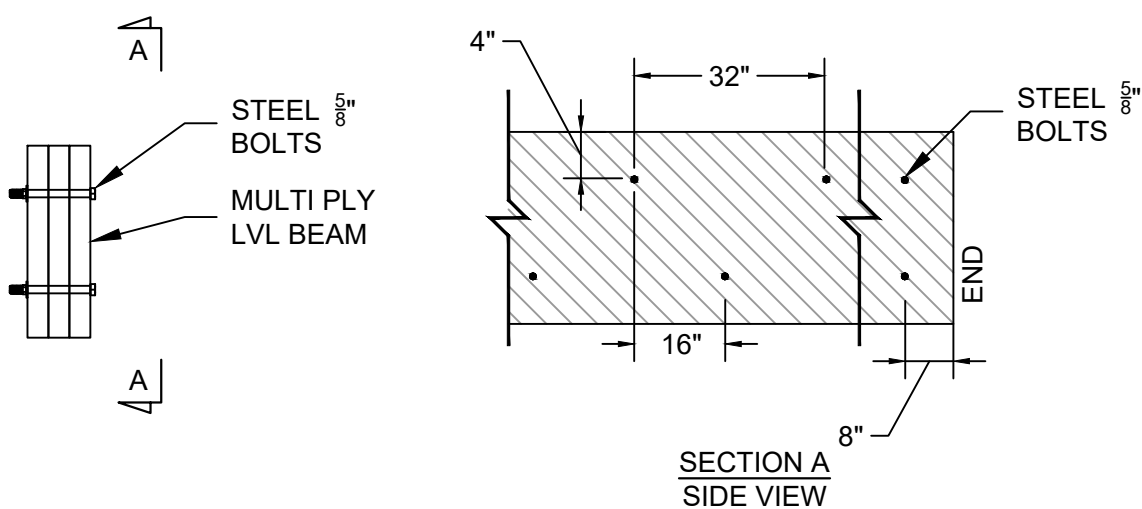
6 24" LVL CASED OPENING
3/4" = 1'-0"



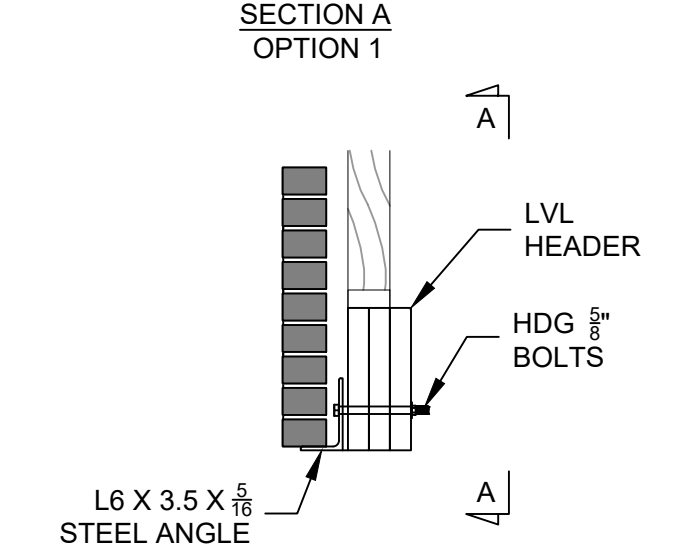
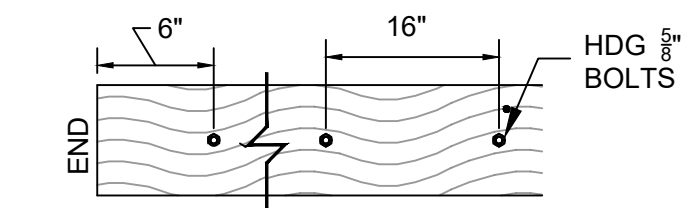
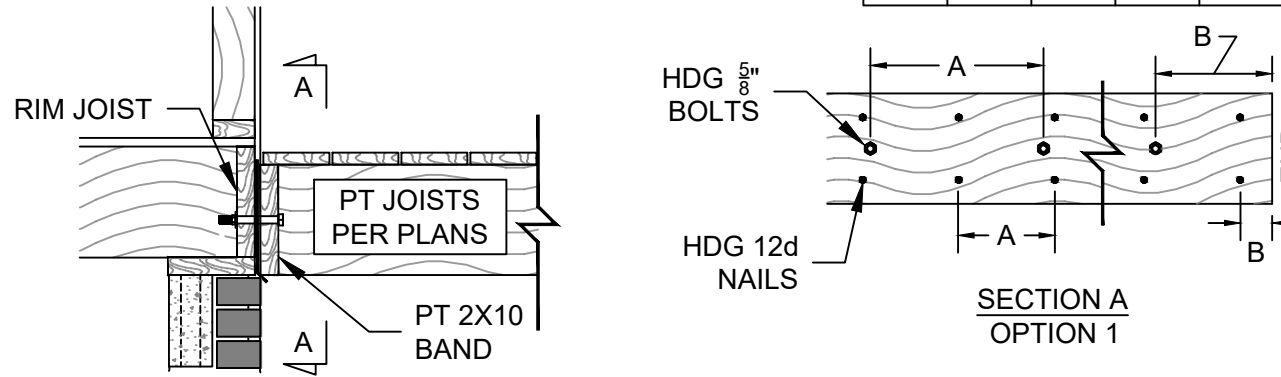
8 SECTION: MULT PLY LVL FASTENING (IF BOLTING NOT SPECIFIED)
3/4" = 1'-0"



5 SECTION: BOLTED BEAM
3/4" = 1'-0"



3 SECTION: DECK CONNECTION
3/4" = 1'-0"



4 STEEL ANGLE FOR BRICK
3/4" = 1'-0"

8' MAX JOIST SPAN		16' MAX JOIST SPAN	
A	B	A	B
BOLTS	40"	12"	20"
NAILS	8"	6"	6"

8' MAX JOIST SPAN		16' MAX JOIST SPAN	
A	B	A	B
SCREWS	12"	6"	6"

DETAILS (CONTIN.)

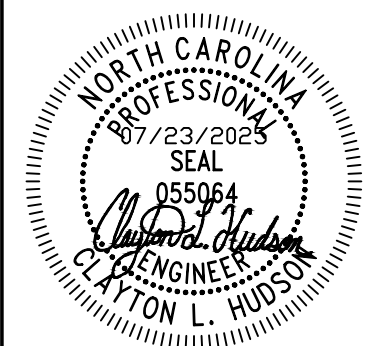
PROJECT #
25-1-36
SHEET #

S110

PROJECT DETAILS

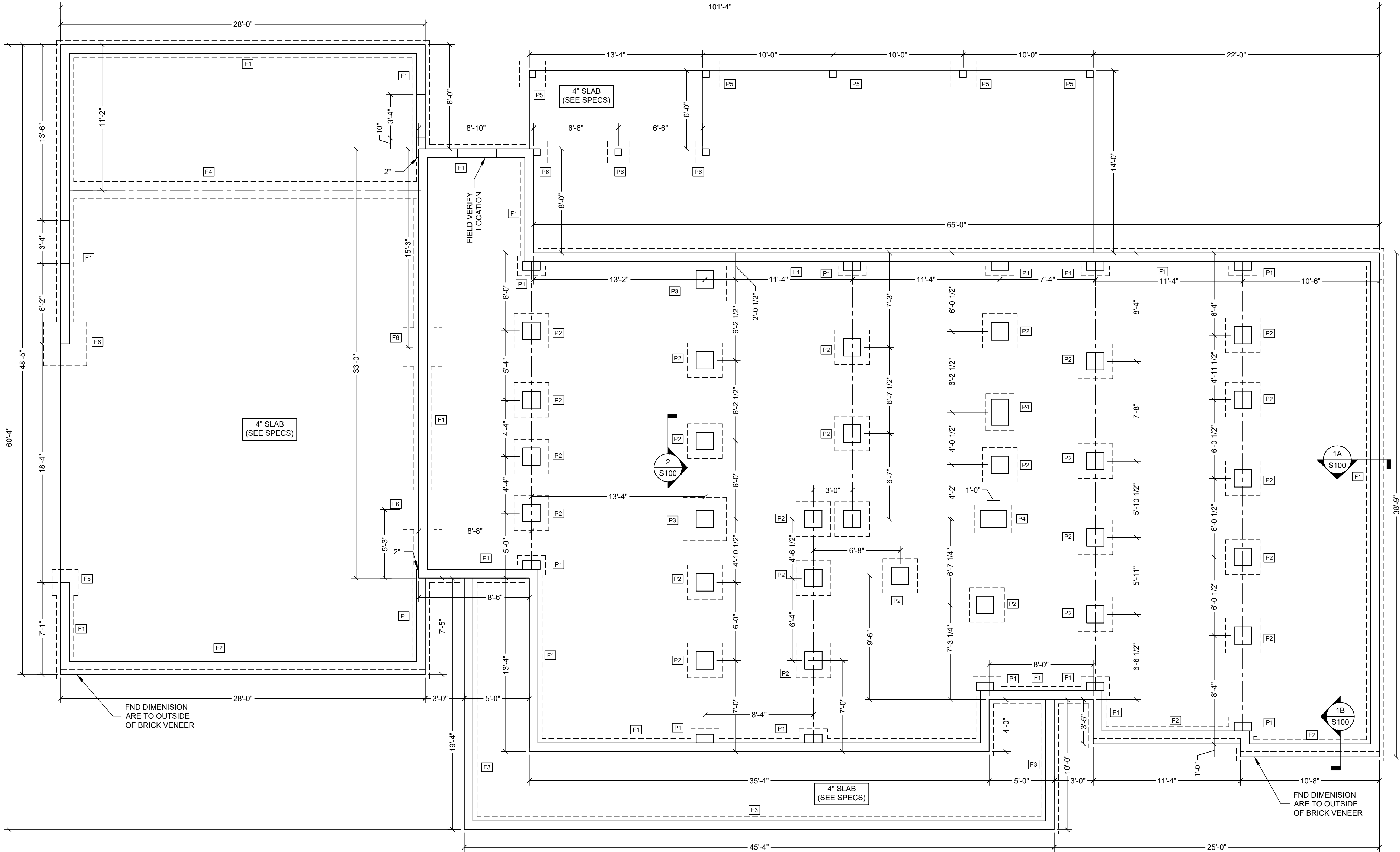
CLIENT: JAKE AND MADISON SCHLEMAN
CLIENT EMAIL:
SCOPE OF WORK: STRUCTURAL PLANS
ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546
NOTES:

REV. #	DESCRIPTION	BY	DATE
0	STRUCTURAL PLANS AND FOUNDATION	CLH	04/15/2025
1	STRUCTURAL PLANS AND FOUNDATION	CLH	04/29/2025
2	STRUCTURAL PLANS AND FOUNDATION	CLH	07/23/2025



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

NOTES

5/8" Ø ANCHOR BOLTS / 6'-0" O.C. SPACING / 12" MAX FROM CORNERS / 2 BOLT MIN. PER PLATE SECTION INSTALLED IN MIDDLE THIRD OF PLATE. 7" MIN. EMBED (SECTION R403.1.6 OF NCRBC)

FOUNDATION SCHEDULE	
TAG	DESCRIPTION
F1	8" MSN WALL ON A 18" WIDE BY 10" THK FOOTING
F2	12" MSN WALL ON A 24" WIDE BY 10" THK FOOTING
F3	8" MSN WALL ON A 18" WIDE BY 8" THK FOOTING
F4	18" X 10" THICK LUG FOOTING
F5	32" X 32" X 10" THK ENLARGED FOOTING
F6	42" X 42" X 12" THK ENLARGED FOOTING
P1	8" X 16" MSN PIER ON A 18" X 24" X 10" THK FOOTING (MERGE W/ FND FOOTING WHEN REQUIRED)
P2	16" X 16" MSN PIER ON A 32" X 32" X 10" THK FOOTING
P3	16" X 16" MSN PIER ON A 40" X 40" X 10" THK FOOTING
P4	16" X 24" MSN PIER ON A 32" X 40" X 10" THK FOOTING
P5	PT 6X6 POST ON A 24" X 24" X 12" THICK FOOTING
P6	PT 6X6 POST ON A 16" X 16" X 10" THICK FOOTING

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EXPIRATION L. HUDSON

PROJECT DETAILS

CLIENT: JAKE AND MADISON SCHLIEMAN

CLIENT EMAIL:

SCOPE OF WORK: STRUCTURAL PLANS

ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546

NOTES:

FOUNDATION PLAN

PROJECT #
25-1-36

SHEET #
S200

REV. #

DESCRIPTION

BY

DATE

0
STRUCTURAL PLANS AND FOUNDATION

CLH
04/15/2025

1
STRUCTURAL PLANS AND FOUNDATION

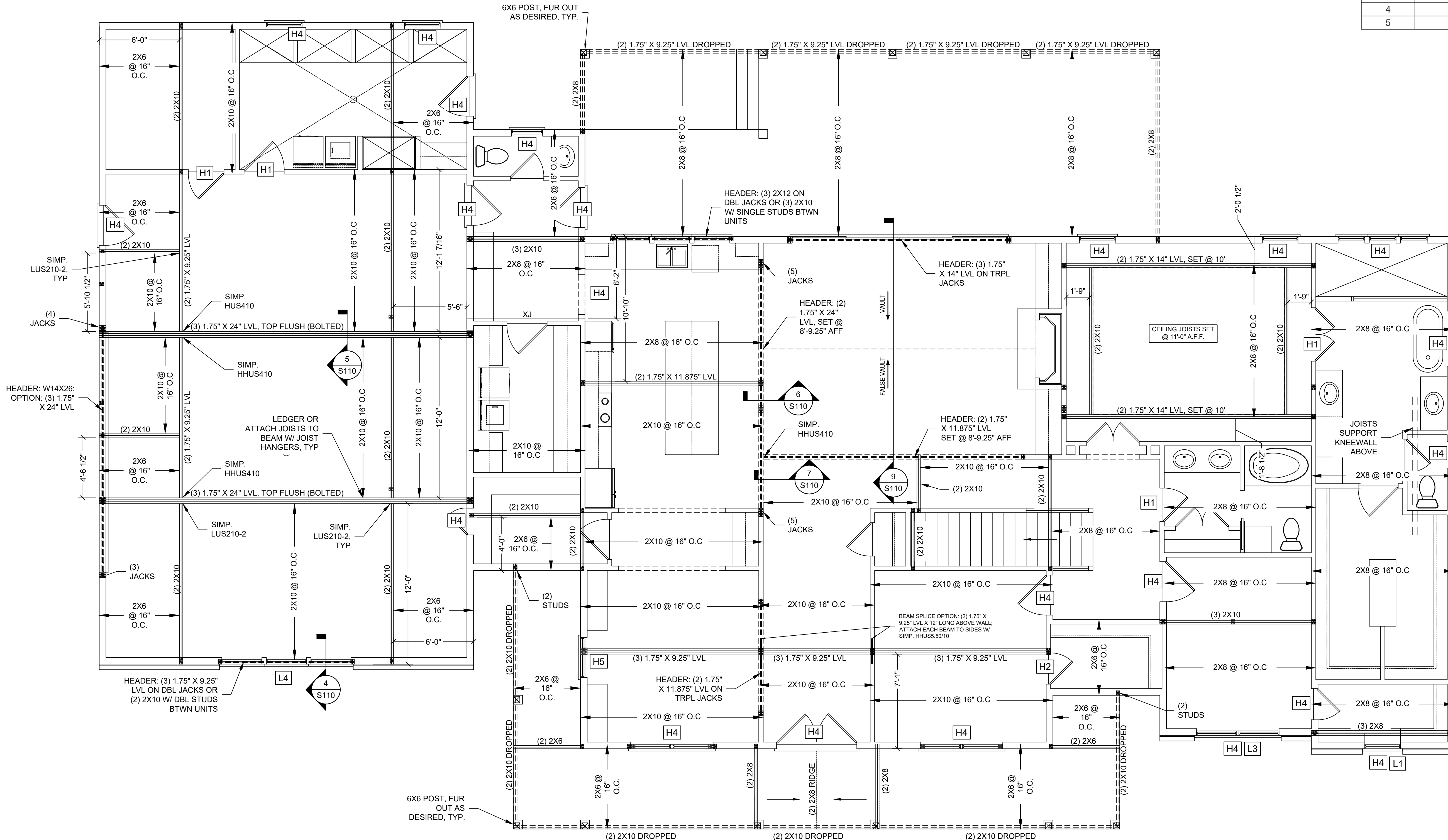
CLH
04/29/2025

2
STRUCTURAL PLANS AND FOUNDATION

CLH
07/23/2025

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

THESE PLANS ARE INTENDED SOLELY FOR THE CLIENT LISTED AND DESIGNED SPECIFICALLY FOR THE ADDRESS GIVEN. CLIENT SHALL NOT COPY, REUSE, OR PERMIT EMPLOYEES AND/OR HIRED CONTRACTORS TO DISCLOSE INFORMATION IN THESE PLANS TO THIRD PARTIES WITHOUT IT WRITTEN PERMISSION FROM ENLIDGE ENGINEERING.



NOTES

- MAX STUD WALL HEIGHTS UNLESS STATED OTHERWISE:
 - 2X4 @ 16" O.C. = 11' - 0" MAX HEIGHT
 - 2X4 @ 12" O.C. = 12' - 0" MAX HEIGHT
 - 2X6 @ 16" O.C. = 13' - 0" MAX HEIGHT
 - 2X6 @ 12" O.C. = 18' - 0" MAX HEIGHT
- BEAMS ARE ASSUMED TO BE SET BOTTOM FLUSH WITH FLOOR SYSTEM UNO
- BEAMS SHALL BE SUPPORTED BY A CENTERED GANGED STUD COLUMN MATCHING OR EXCEEDING THE WIDTH OF THE BEAM, UNO.

HEADER SCHEDULE

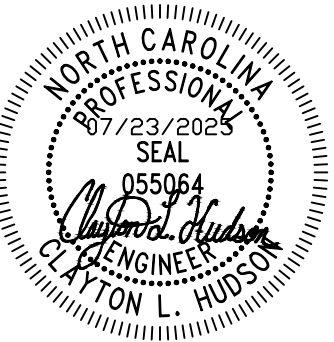
LOAD BEARING HEADERS (LABELED)	
TAG	DESCRIPTION
H1	(2) 2X10 ON SINGLE JACKS
H2	(2) 2X10 ON DBL JACKS
H3	(2) 2X12 ON DBL JACKS
H4	(3) 2X10 ON SINGLE JACKS
H5	(3) 2X10 ON DBL JACKS
<u>NON- LOAD BEARING HEADERS:</u>	
0" - 38" OPENINGS: SINGLE 2X4 TURNED FLAT	
38" TO 72" OPENINGS: DBL 2X4 ON SINGLE JACKS	
<u>KING STUDS FOR BRACED WALLS</u> (BOTH SIDES OF OPENING)	
# STUDS	MAX OPENING
1	5'-0"
2	8'-0"
3	10'-0"
4	12'-0"
5	15'-0"

LINTEL SCHEDULE

TAG	DESCRIPTION
L1	$3 \times 3 \times \frac{1}{4}$
L2	$4 \times 3 \times \frac{1}{4}$
L3	$5 \times 3 \frac{1}{2} \times \frac{5}{16}$
L4	$6 \times 3 \frac{1}{2} \times \frac{5}{16}$

1ST FLOOR WALLS AND CEILING PLAN

SCALE: $\frac{1}{4}" = 1'-0"$



PROJECT DETAILS

CLIENT: JAKE AND MADISON SCHLIEMAN

CLIENT EMAIL:

ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546

NOTES:

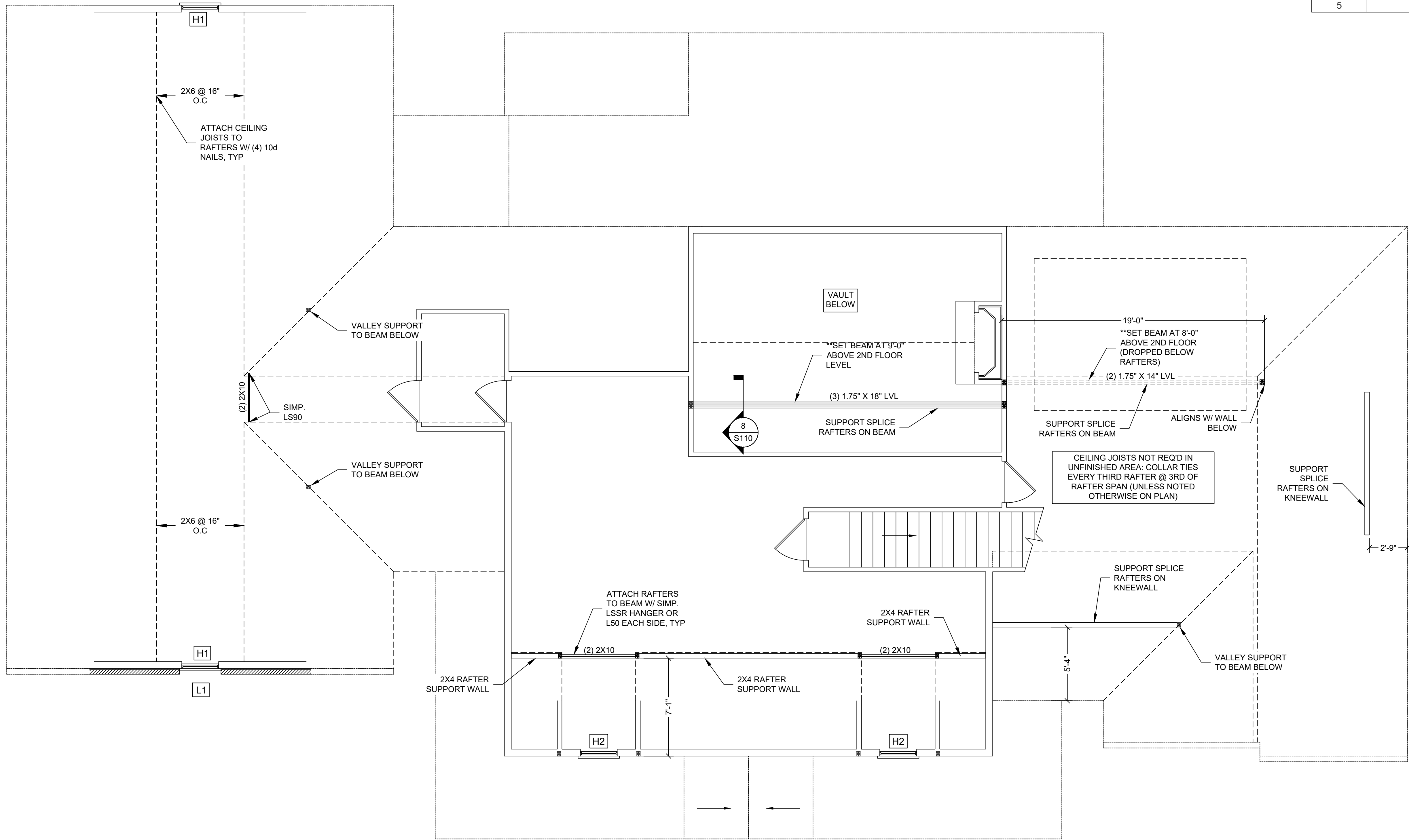
REV. #	DESCRIPTION	BY	DATE
0	STRUCTURAL PLANS AND FOUNDATION	CLH	04/15/2025
1	STRUCTURAL PLANS AND FOUNDATION	CLH	04/29/2025
2	STRUCTURAL PLANS AND FOUNDATION	CLH	07/23/2025

1ST FLOOR WALLS AND CEILING PLAN

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

PROJECT #
25-1-36
SHEET #
S220

THESE PLANS ARE INTENDED SOLELY FOR THE CLIENT LISTED AND DESIGNED SPECIFICALLY FOR THE ADDRESS GIVEN. CLIENT SHALL NOT COPY, REUSE, OR PERMIT EMPLOYEES AND/OR HIRED CONTRACTORS TO DISCLOSE INFORMATION IN THESE PLANS TO THIRD PARTIES WITHOUT WRITTEN PERMISSION FROM ENDURE ENGINEERING, PLLC.



2ND FLOOR WALLS AND CEILING PLAN
SCALE: $\frac{1}{4}" = 1'-0"$

NOTES

- MAX STUD WALL HEIGHTS UNLESS STATED OTHERWISE:
 - 2X4 @ 16" O.C. = 11' - 0" MAX HEIGHT
 - 2X4 @ 12" O.C. = 12' - 0" MAX HEIGHT
 - 2X6 @ 16" O.C. = 13' - 0" MAX HEIGHT
 - 2X6 @ 12" O.C. = 18' - 0" MAX HEIGHT
- BEAMS ARE ASSUMED TO BE SET BOTTOM FLUSH WITH FLOOR SYSTEM UNO
- BEAMS SHALL BE SUPPORTED BY A CENTERED GANGED STUD COLUMN MATCHING OR EXCEEDING THE WIDTH OF THE BEAM, UNO.

HEADER SCHEDULE

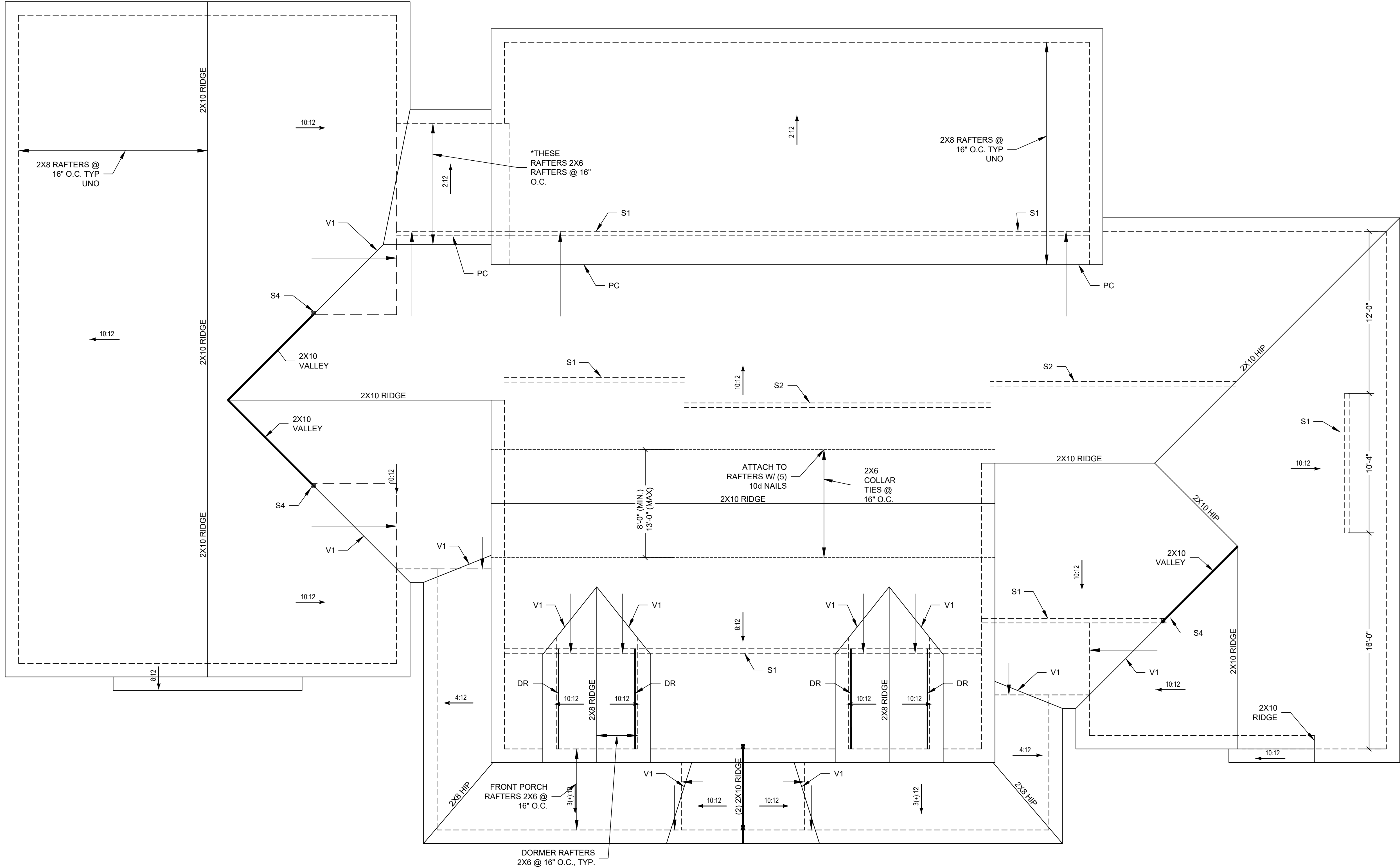
LOAD BEARING HEADERS (LABELED)	
TAG	DESCRIPTION
H1	(2) 2X10 ON SINGLE JACKS
H2	(2) 2X10 ON DBL JACKS
H3	(2) 2X12 ON DBL JACKS
H4	(3) 2X10 ON SINGLE JACKS
H5	(3) 2X10 ON DBL JACKS
NON- LOAD BEARING HEADERS:	
0" - 38" OPENINGS: SINGLE 2X4 TURNED FLAT	
38" TO 72" OPENINGS: DBL 2X4 ON SINGLE JACKS	
KING STUDS FOR BRACED WALLS (BOTH SIDES OF OPENING)	
# STUDS	MAX OPENING
1	5'-0"
2	8'-0"
3	10'-0"
4	12'-0"
5	15'-0"

LINTEL SCHEDULE

TAG	DESCRIPTION
L1	3 X 3 X $\frac{1}{4}$
L2	4 X 3 X $\frac{1}{4}$
L3	5 X $3\frac{1}{2}$ X $\frac{5}{16}$
L4	6 X $3\frac{1}{2}$ X $\frac{5}{16}$

REV. #	DESCRIPTION	BY	DATE
0	STRUCTURAL PLANS AND FOUNDATION	CLH	04/15/2025
1	STRUCTURAL PLANS AND FOUNDATION	CLH	04/29/2025
2	STRUCTURAL PLANS AND FOUNDATION	CLH	07/23/2025
PROJECT DETAILS			
CLIENT: JAKE AND MADISON SCHLIEMAN		CLIENT EMAIL:	
SCOPE OF WORK: STRUCTURAL PLANS		ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546	
NOTES:			

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ROOF PLAN
SCALE: $\frac{1}{4}$ " = 1'-0"

ROOF FRAMING NOTES

- RAFTERS ARE 2X8 @ 16" O.C. UNO
- COLLAR TIES ARE TO BE 2X4 MIN. AND INSTALLED EVERY THIRD RAFTER UNO
- ROOF PITCHES, KNEEWALLS, AND OVERHANGS TO BE VERIFIED WITH ARCH. DRAWINGS

ROOF FRAMING LEGEND

NOTATION	DESCRIPTION
DR	DOUBLE RAFTER
S1	SUPPORT OR SPLICE RAFTERS ON KNEEWALL
S2	SUPPORT OR SPLICE RAFTERS ON BEAM
S3	RAFTERS FRAME ONTO CEILING JOISTS
S4	DBL STUD SUPPORT FOR CONTINUOUS VALLEY
V1	OVERFRAMED VALLEY; OPPOSING RAFTER FRAME SLEEPER (2X10 OR (2) 2X4 LAYED FLAT ACROSS RAFTERS)

ENDUREENGINEERING

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NORTH CAROLINA
PROFESSIONAL
SEAL
07/23/2025
055064
Clayton L. Hudson
ENGINEER

PROJECT #
25-1-36
SHEET #
S240

PROJECT DETAILS

CLIENT: JAKE AND MADISON SCHLIEMAN
CLIENT EMAIL:
SCOPE OF WORK: STRUCTURAL PLANS
ADDRESS: 770 NEILLS CREEK RD., LILLINGTON, NC 27546
NOTES:

DESCRIPTION

0 STRUCTURAL PLANS AND FOUNDATION
1 STRUCTURAL PLANS AND FOUNDATION
2 STRUCTURAL PLANS AND FOUNDATION

REV. #

0
1
2

BY

CLH
CLH
CLH

DATE

04/15/2025
04/29/2025
07/23/2025