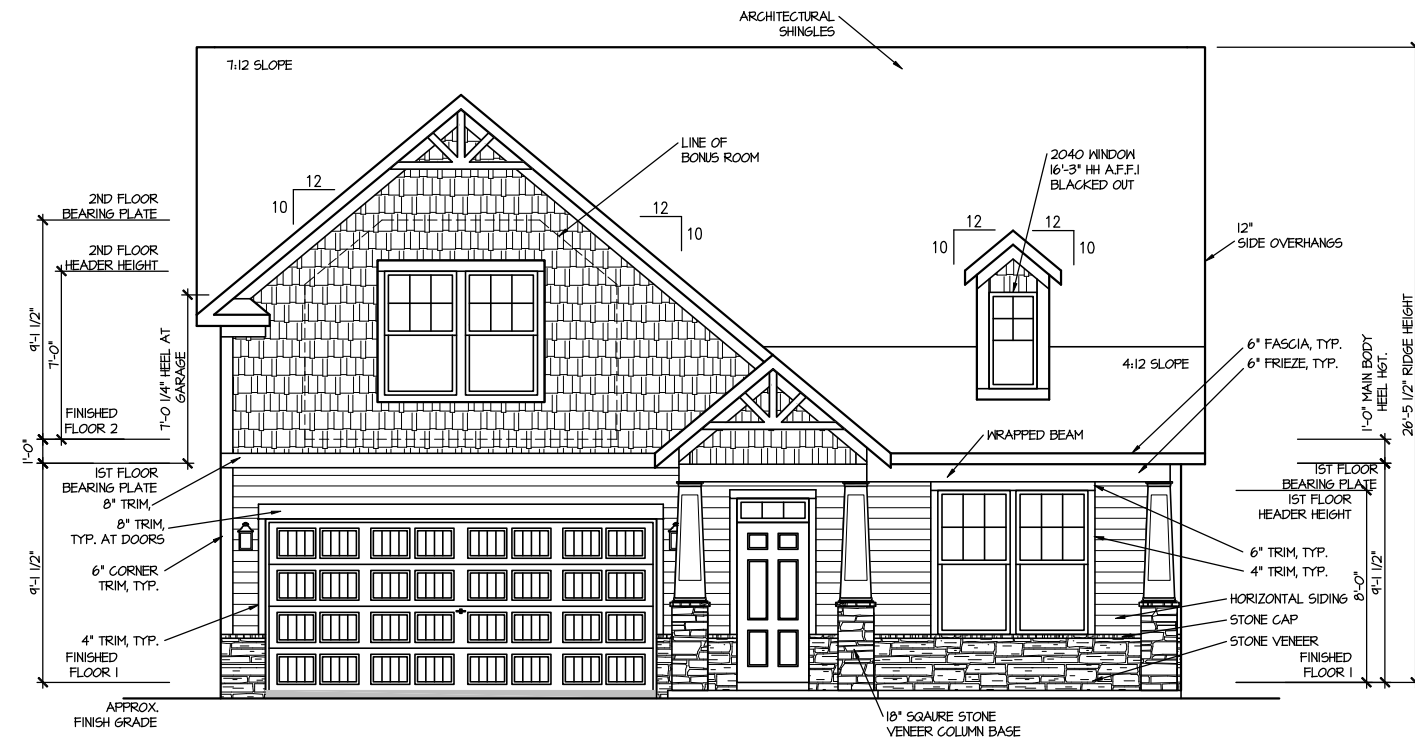


RALEIGH - LOT 00.0156 THE FARM AT NEILL'S CREEK

ELEVATION 9 - GL

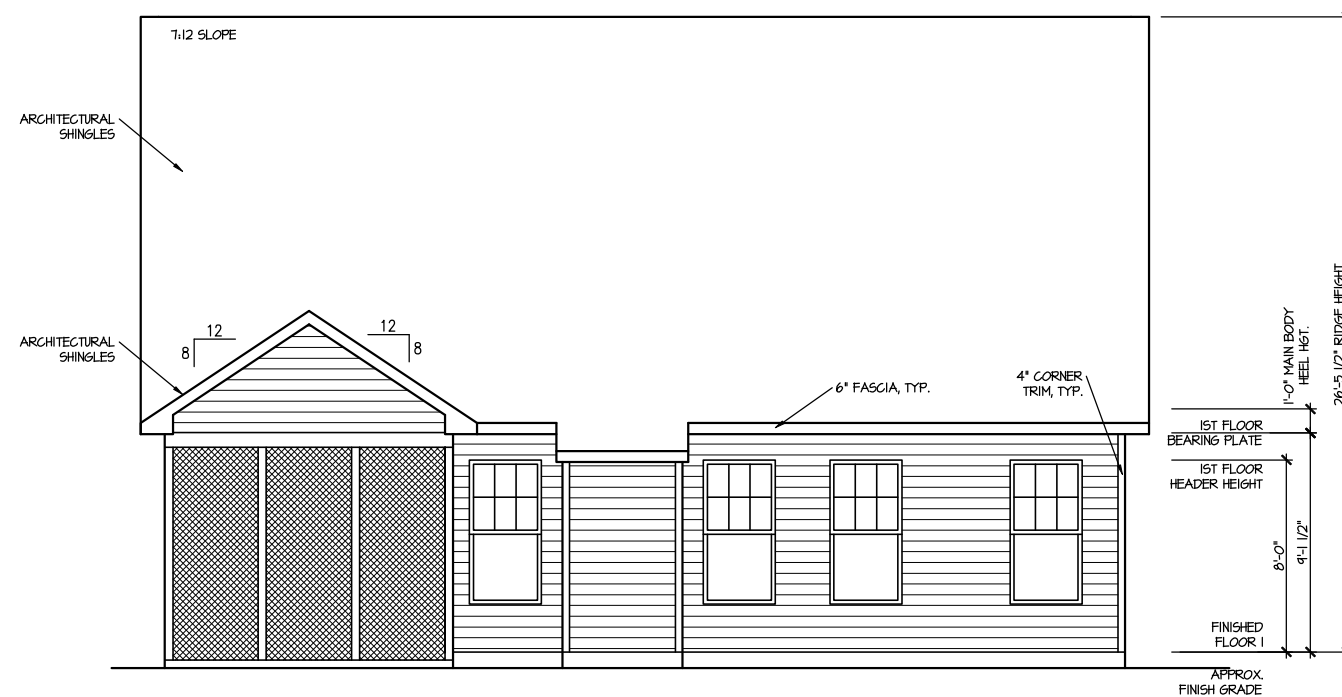
LOT SPECIFIC

[illegible][illegible][illegible]



FRONT ELEVATION 9

SCALE: 1/8" = 1'-0"



REAR ELEVATION 9

SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION	
REVISION	DATE
4-RALE	02-24-2022

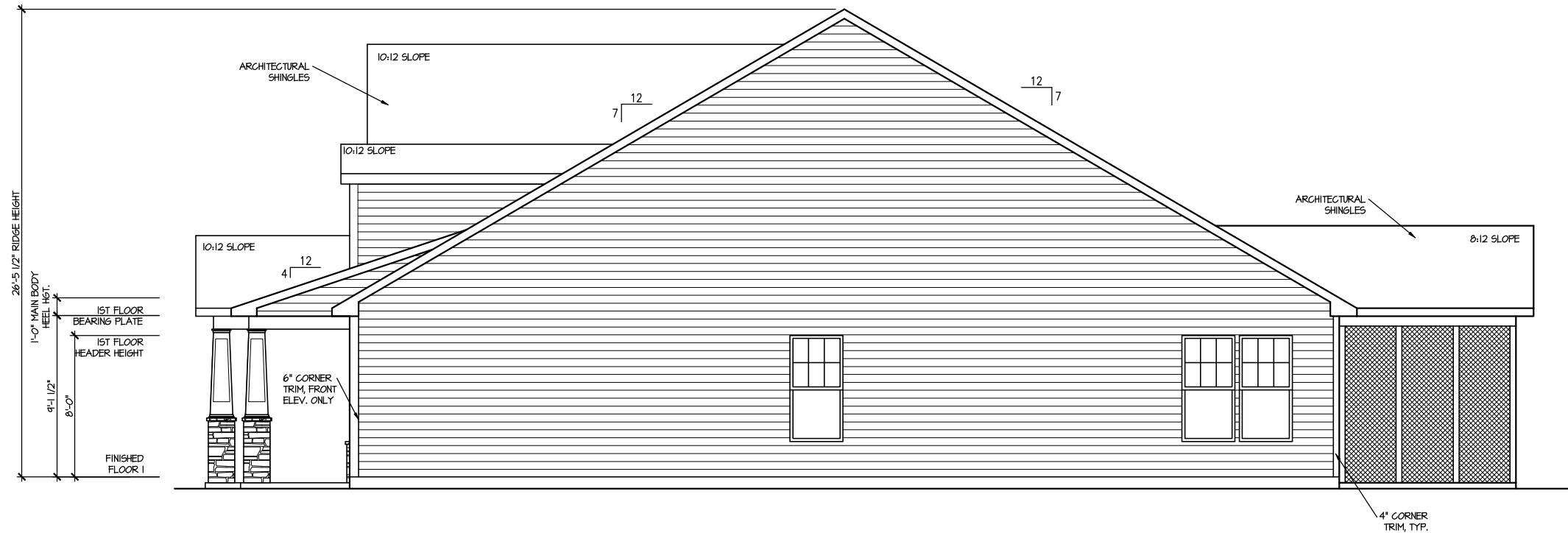
DRAWN BY: ITS
DATE: 05/29/2025
PLAN NO. 1777

The logo for DRB HOMES, featuring the letters "DRB" in a large, bold, black sans-serif font, and the word "HOMES" in a smaller, blue, sans-serif font to its right.

HOUSE NAME: COOPER 3
DRAWING TITLE: FRONT & REAR ELEVATIONS

SHEET No.

FILE: Lot_00.0156.dwg DATE: 5/29/2025 8:36 AM



RIGHT ELEVATION 9

SCALE: 1/8" = 1'-0"



LEFT ELEVATION 9

SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
4-RALE	02-24-2022		02-19-2025

DRAWN BY:	ITS
DATE:	05/29/2025
PLAN NO.	1777

DRB
HOMES

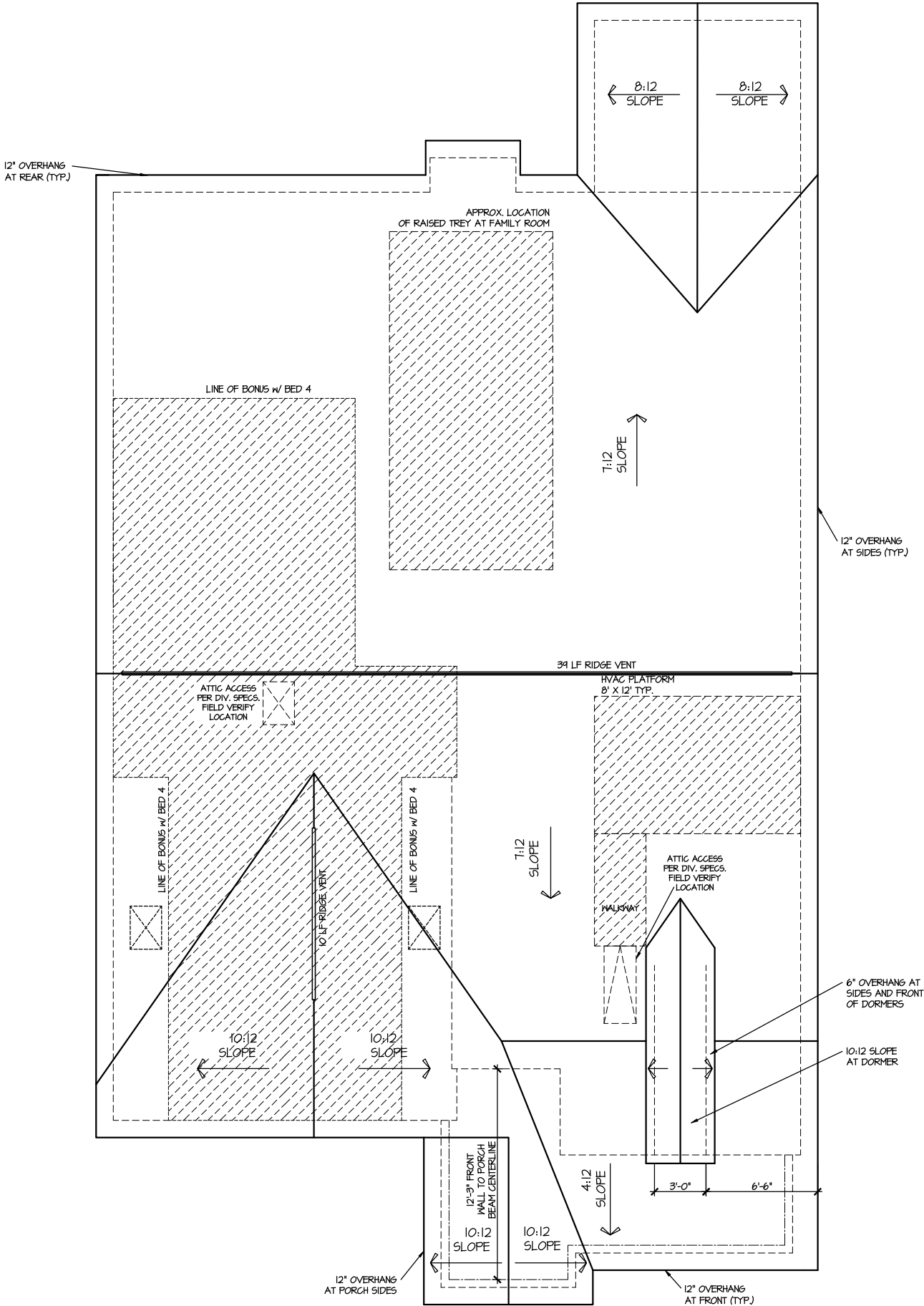
HOUSE NAME:
COOPER 3

DRAWING TITLE
RIGHT & LEFT ELEVATIONS

SHEET No.
A1.2

ROOF VENTILATION CALCULATIONS:

ROOF AREA = 2466 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 16.44 SQ. FT.
1 TO 300 = 8.22 SQ. FT.
50-60% IN TOP THIRD = 4.11 - 6.56 SQ. FT. (1 TO 300)
NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN. / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 19 SQ. IN. / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF)
74 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 2.19 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF)
41 LINEAR FEET OF RIDGE X 19 SQ. IN. = 6.19 SQ. FT.
6.19 SQ. FT. BETWEEN 50% - 60%
(1 TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 7.81 SQ. FT. > 8.22 SQ. FT. (REQ'D)



ROOF PLAN ELEV. 9

SCALE: 1/8" = 1'-0"

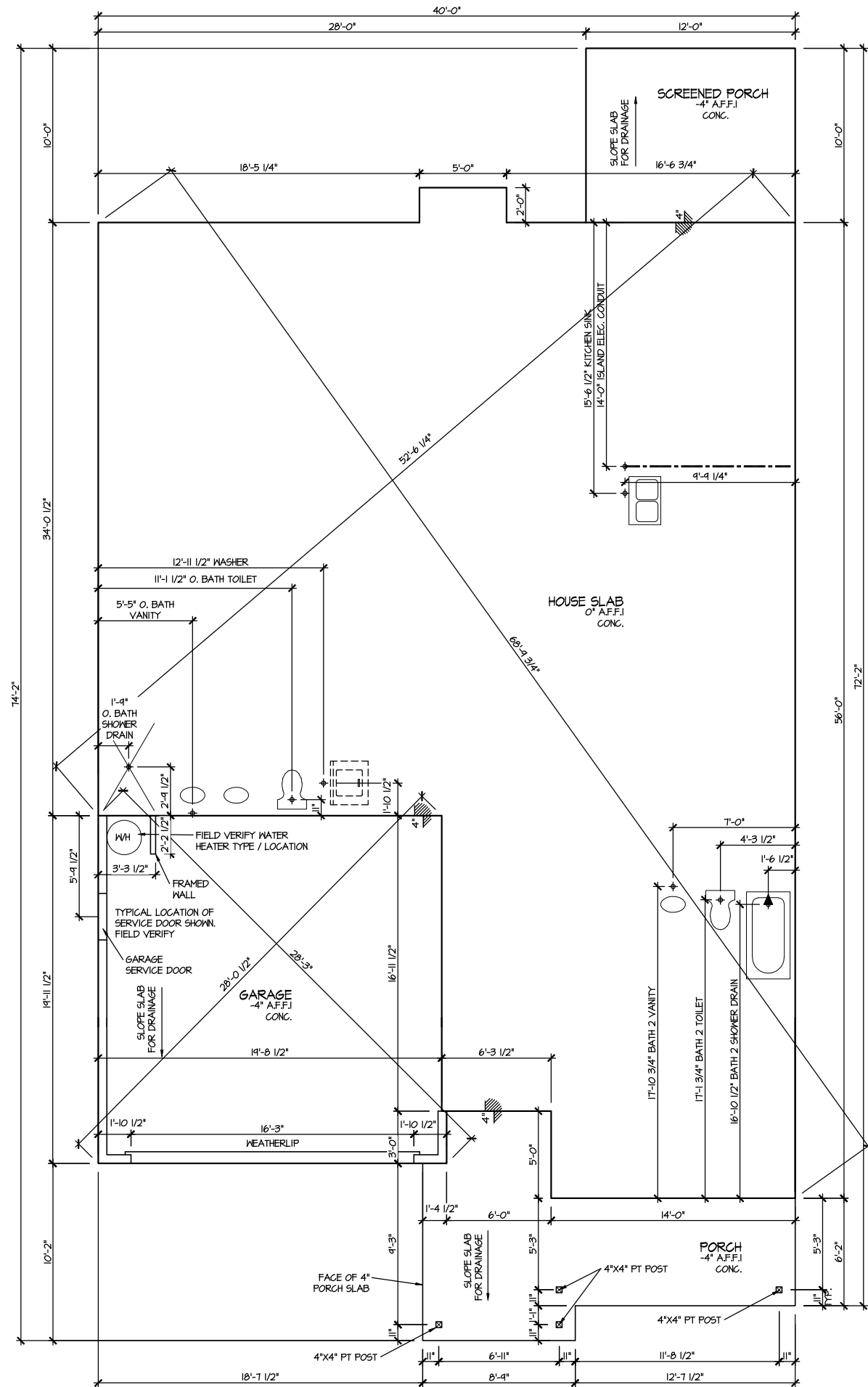
MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
4-RALE	02-24-2022		02-19-2025

DRAWN BY:	ITS
DATE:	05/29/2025
PLAN NO.	1777



HOUSE NAME: COOPER 3
DRAWING TITLE: ROOF PLAN

SHEET No. A.3



ELEVATION 9
SLAB PLAN
SCALE: 1/8" = 1'-0"

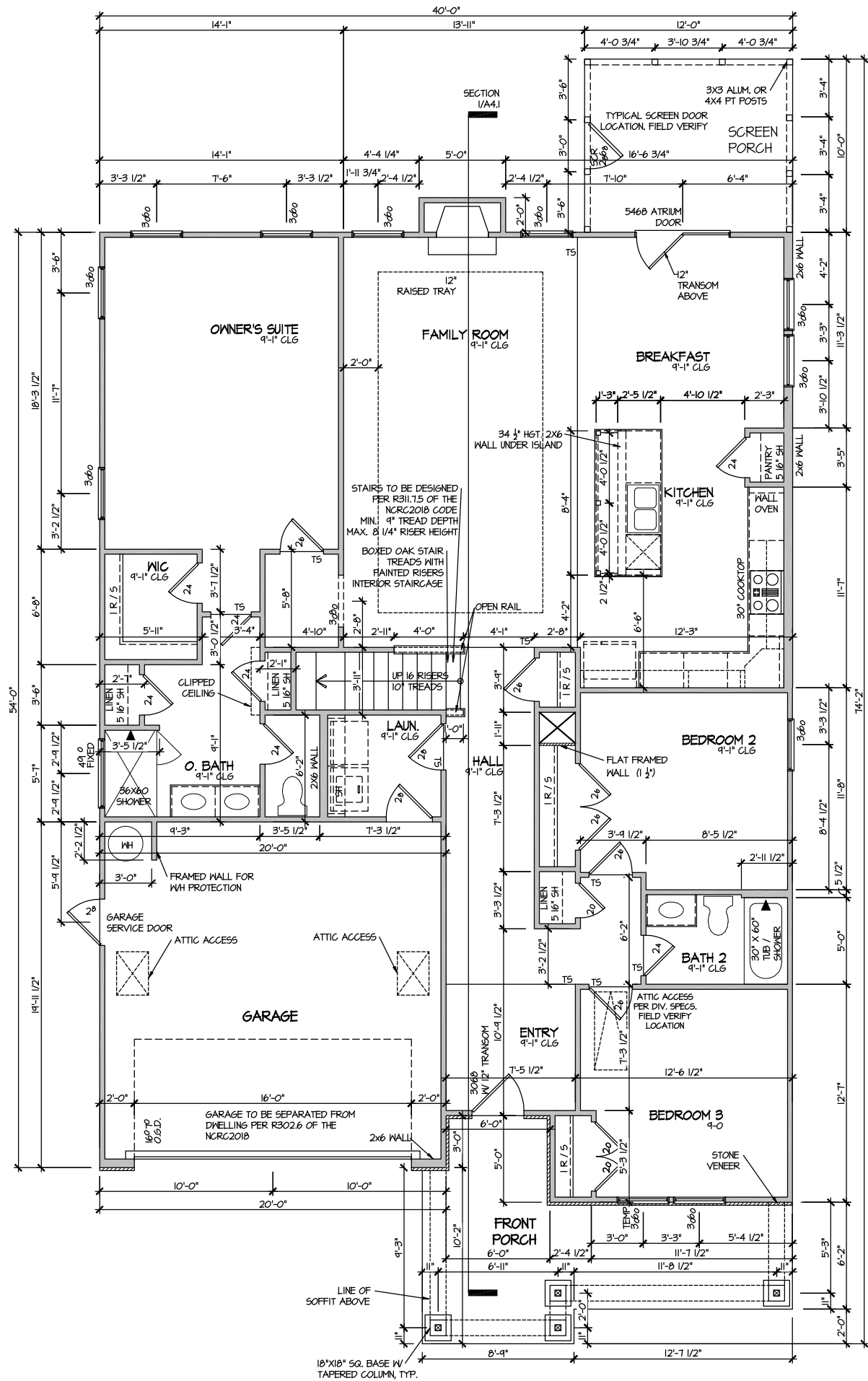
MASTER PLAN INFORMATION			
REVISION	DATE	UPDATED DATE	
4-RALE	02-24-2022	02-19-2025	

DRAWN BY:	ITS
DATE:	05/29/2025
PLAN NO.	1777



HOUSE NAME:
COOPER 3
DRAWING TITLE
SLAB PLAN

SHEET No.
A2.1



ELEVATION 9
FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

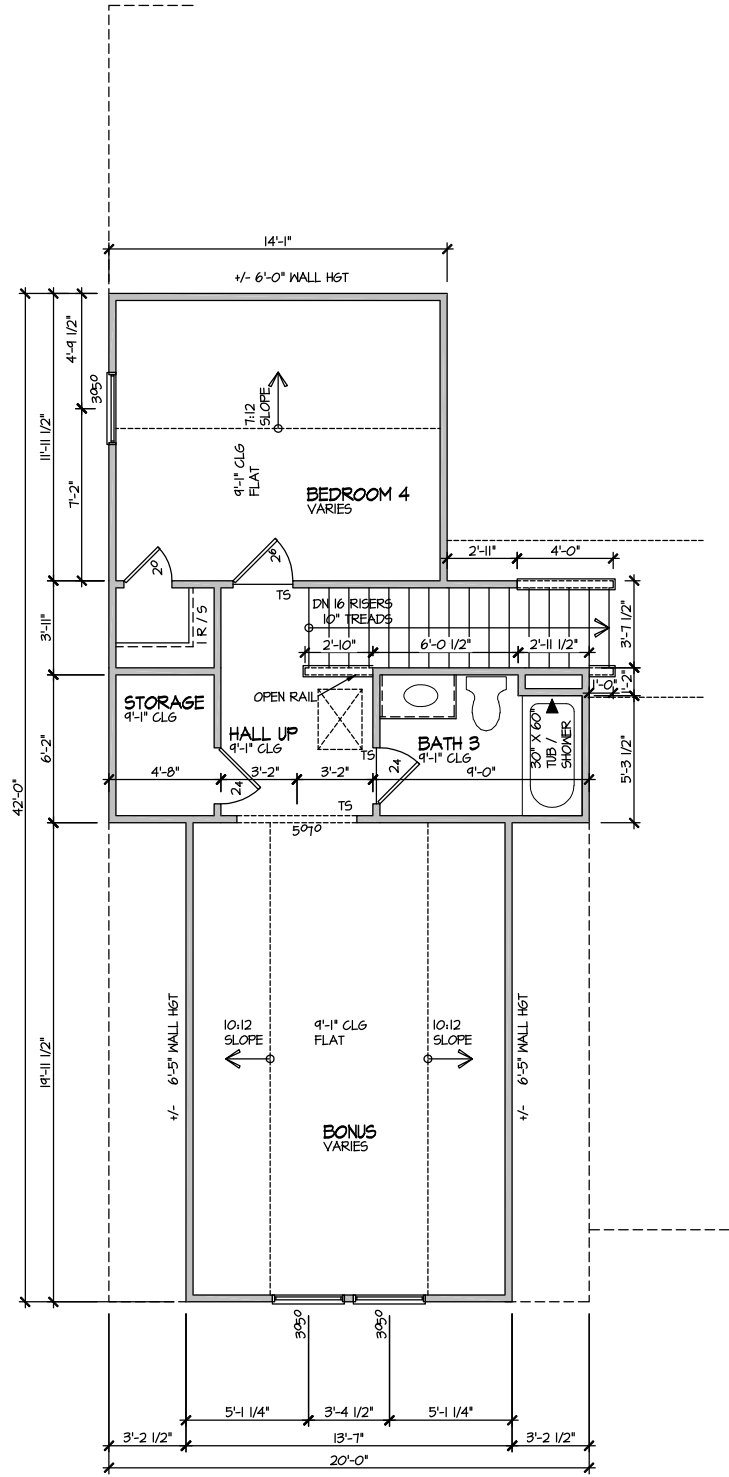
MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE	BY	
4-RALE	02-24-2022		02-19-2025

DRAWN BY:	ITS
DATE:	05/29/2025
PLAN NO.	1777

DRB
HOMES

HOUSE NAME:
COOPER 3
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No.
A3.1



ELEVATION 9
SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

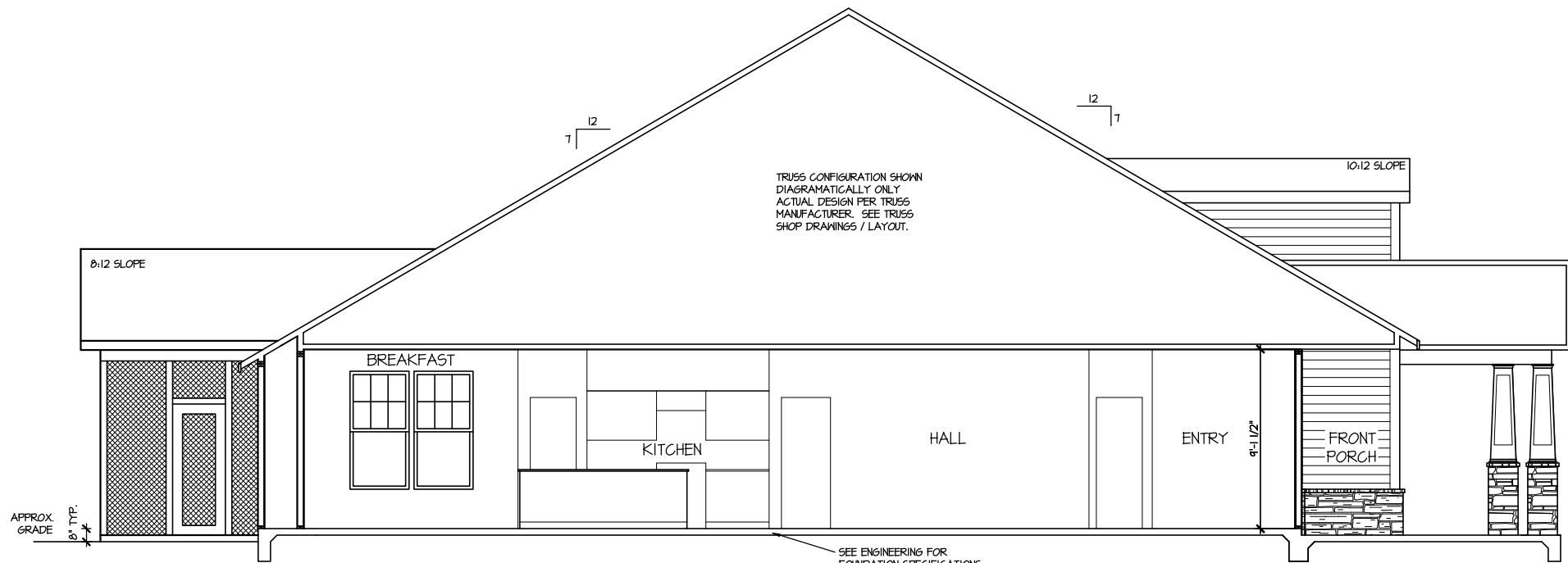
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REVISION	DATE	UPDATED DATE	
4-RALE	02-24-2022	02-19-2025	

DRAWN BY:	
ITS	
DATE:	05/29/2025
PLAN NO.	1777



HOUSE NAME:	COOPER 3
DRAWING TITLE	SECOND FLOOR PLAN

SHEET No.
A3.2



SECTION I
SCALE: 1/8" = 1'-0"

DRAWN BY:		ITS
DATE:		05/29/2025
PLAN NO.		1777



HOUSE NAME:	COOPER 3
DRAWING TITLE	BUILDING SECTION

SHEET No.
A4.1

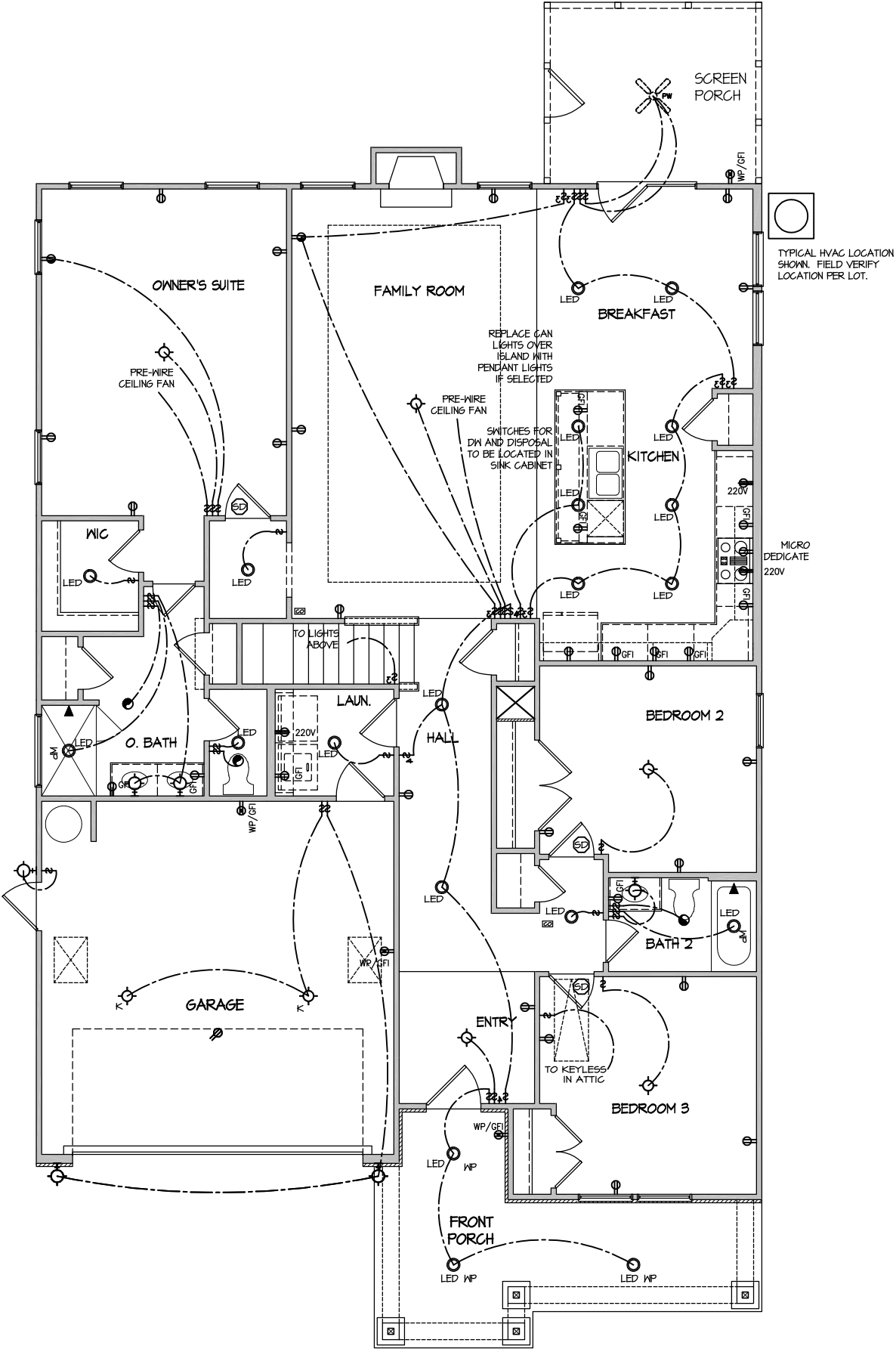
MASTER PLAN INFORMATION	
REVISION	DATE
4-RALE	02-24-2022

UPDATED DATE
02-19-2025

ELECTRICAL LEGEND

- Ⓢ SINGLE POLE SWITCH
- Ⓢ₃ THREE WAY SWITCH
- Ⓢ₄ FOUR WAY SWITCH
- Ⓢ DUPLEX AFCI RECEPTACLE
- Ⓢ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- Ⓢ DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V Ⓢ RECEPTACLE - 220V
- GFI Ⓢ DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI Ⓢ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- Ⓢ SMOKE DETECTOR - WIRED IN SERIES
- Ⓢ EXHAUST FAN MOTOR
- Ⓢ CO DETECTOR
- Ⓢ DOOR CHIME
- Ⓢ LIGHT FIXTURE - WALL MOUNTED
- Ⓢ LIGHT FIXTURE - CEILING MOUNTED
- Ⓢ LIGHT FIXTURE - RECESSED CAN
- Ⓢ LED LIGHT FIXTURE - LED SURFACE MOUNTED
- Ⓢ PULLCHAIN LAMPHOLDER
- Ⓢ KEYLESS LAMPHOLDER

NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



ELECTRICAL PLAN
FIRST FLOOR - ELEV. 9

SCALE: 1/8" = 1'-0"

DRAWN BY:
ITS

DATE: 05/29/2025

PLAN NO.
1777

DRB
HOMES

HOUSE NAME:
COOPER 3
DRAWING TITLE
FIRST FLOOR ELECTRICAL

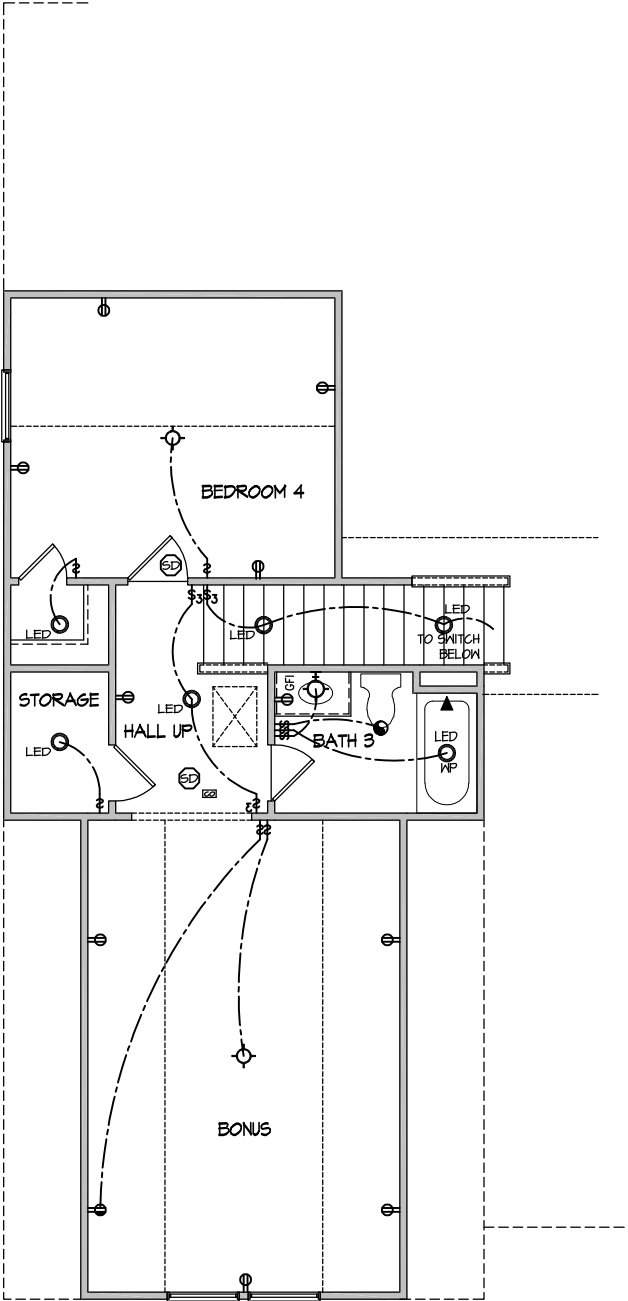
SHEET No.

11

ELECTRICAL LEGEND

- ϕ
 ϕ_3
 ϕ_4
- ϕ
 ϕ_{bottom}
 ϕ_{floor}
- 220V
GFI
WP/GFI
- ϕ
 ϕ
 ϕ
 ϕ
 ϕ
 ϕ_{LED}
 ϕ_P
 ϕ_K
- SINGLE POLE SWITCH
THREE WAY SWITCH
FOUR WAY SWITCH
DUPLEX AFCI RECEPTACLE
DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
RECEPTACLE - 220V
DUPLEX AFCI RECEPTACLE - GFI
DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
SMOKE DETECTOR - WIRED IN SERIES
EXHAUST FAN MOTOR
CO DETECTOR
DOOR CHIME
LIGHT FIXTURE - WALL MOUNTED
LIGHT FIXTURE - CEILING MOUNTED
LIGHT FIXTURE - RECESSED CAN
LIGHT FIXTURE - LED SURFACE MOUNTED
PULLCHAIN LAMPHOLDER
KEYLESS LAMPHOLDER

NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



ELECTRICAL PLAN
SECOND FLOOR - ELEV. 9
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0156.dwg DATE: 5/29/2025 8:36 AM

MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
4-RALE	02-24-2022		02-19-2025

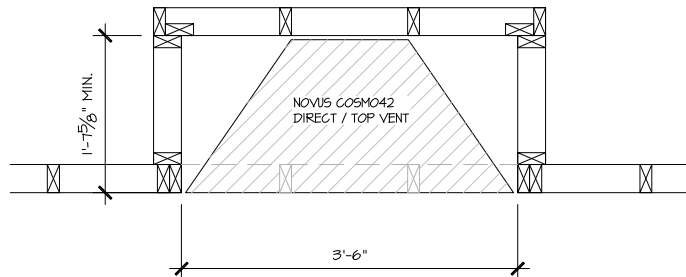
DRAWN BY:	ITS
DATE:	05/29/2025
PLAN NO.	1777

DRB
HOMES

HOUSE NAME:	COOPER 3
DRAWING TITLE	SECOND FLOOR ELECTRICAL

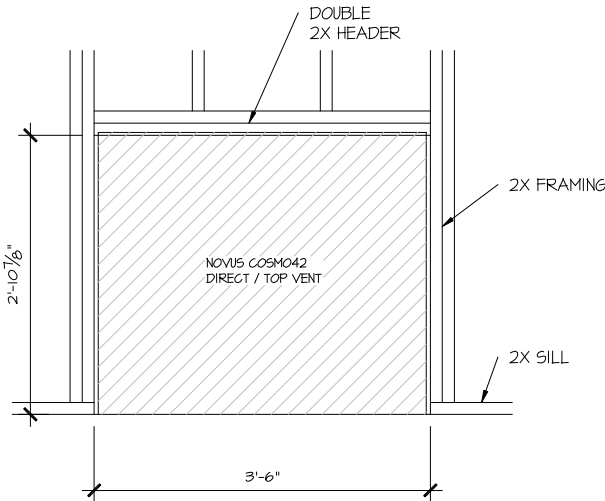
SHEET No.	11.2
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ALL DIMENSIONS
ARE TO FRAMING



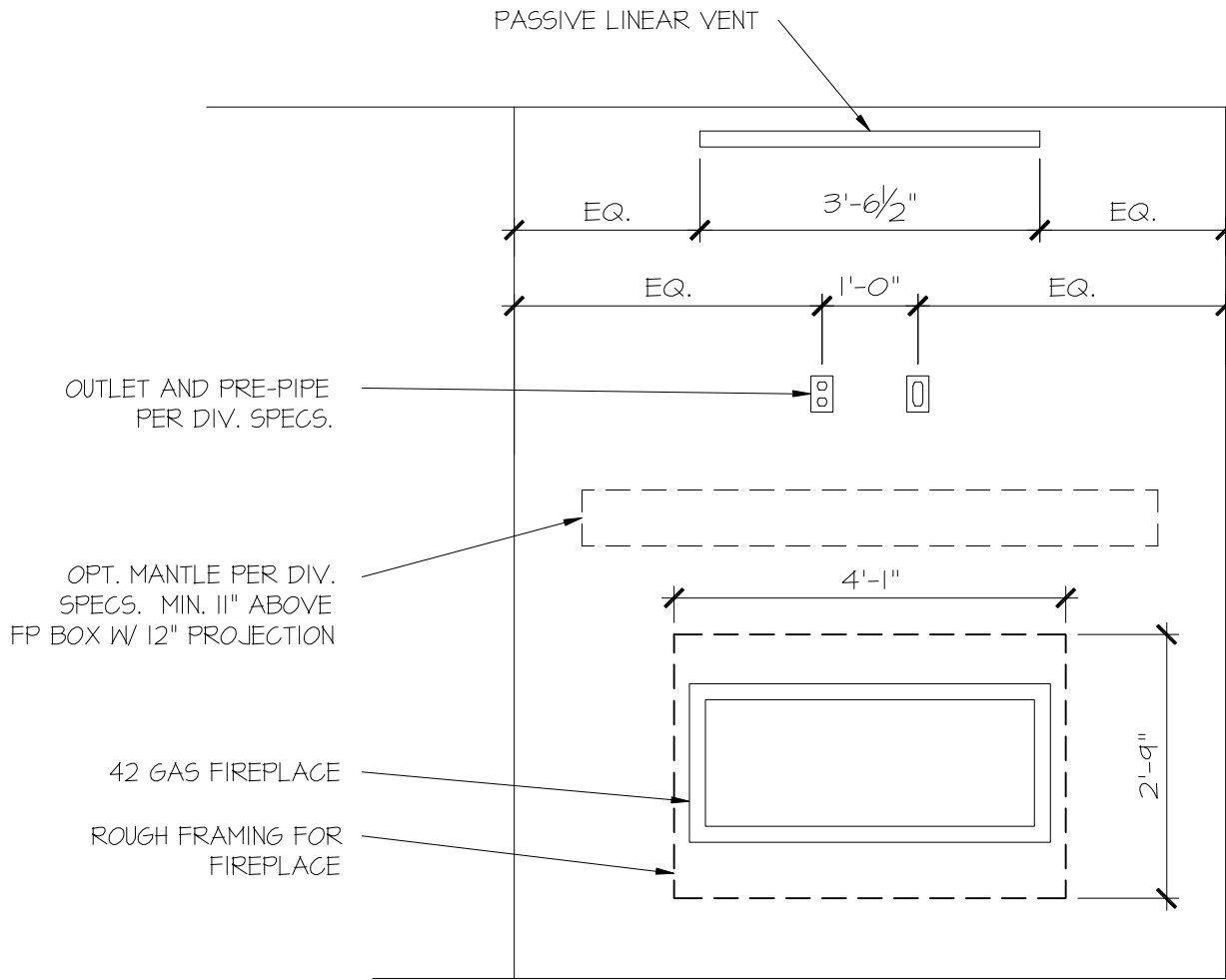
PARTIAL PLAN
NOVUS COSMO42

SCALE: 1/2" = 1'-0"



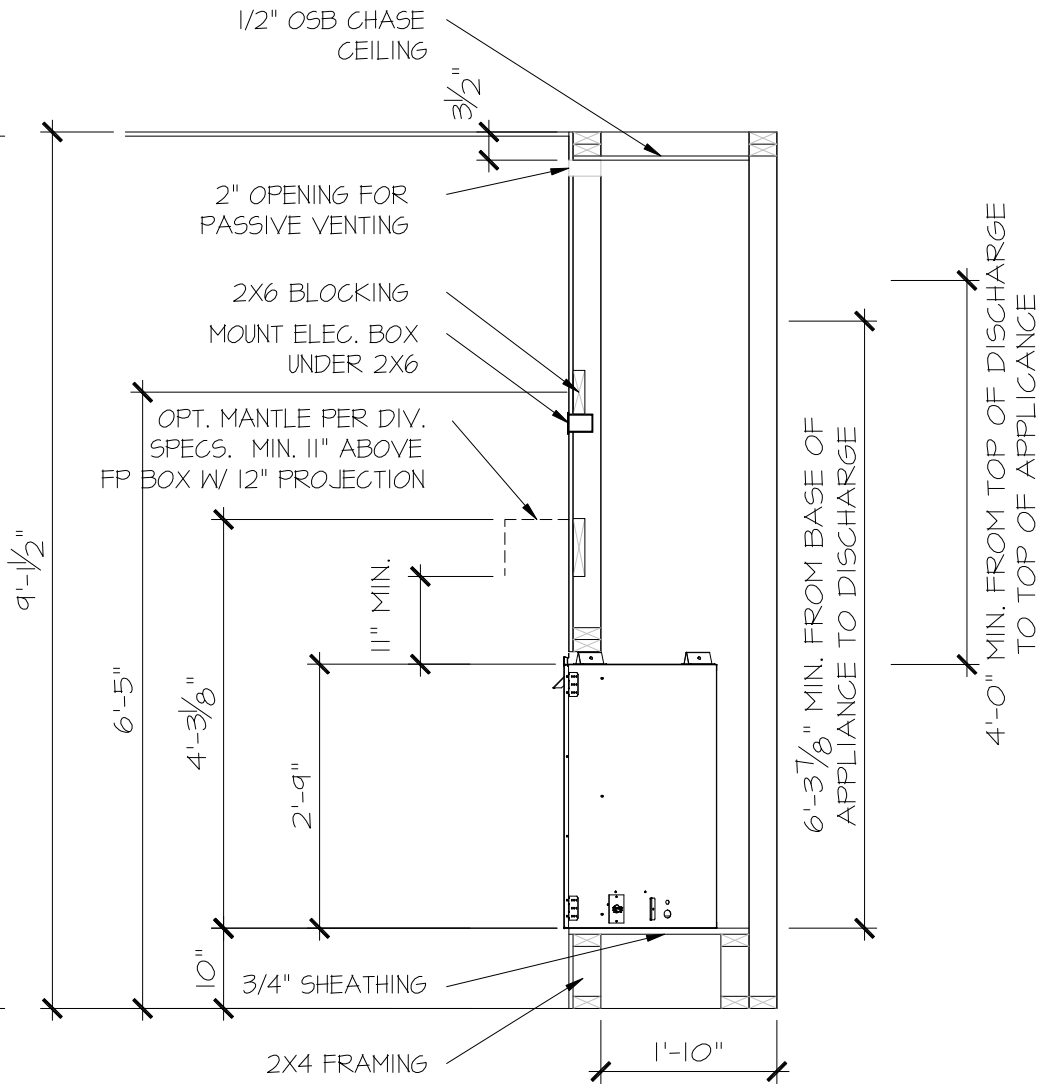
PARTIAL ELEVATION
NOVUS COSMO42

SCALE: 1/2" = 1'-0"



PARTIAL ELEVATION
NOVUS COSMO42

SCALE: 1/2" = 1'-0"



PARTIAL SECTION
NOVUS COSMO42

SCALE: 1/2" = 1'-0"

CONSULTANT LOGO

SEAL

DRAWN BY:
L. BEAVERS
DATE: 11-8-23
PLAN NO.
N/A
11 X 17 SCALE
24 X 36 SCALE

DRB
HOMES

HOUSE NAME:
RALE FIREPLACE DETAILS
DRAWING TITLE
**RALE FIREPLACE DETAIL
INTERIOR GAS UNITS**

SHEET No.
11
10
11

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
 - 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU)
 - SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC.)
 - SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU)(REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SFF OR SYP, "STUD" GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UNO.:

f _c =	4,000 psi	FOUNDATION WALLS
	2,500 psi	FOOTINGS & INTERIOR SLABS ON GRADE
	3,000 psi	GARAGE & EXTERIOR SLABS ON GRADE
f _y =	60,000 psi		
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
 - 9' OR 10' HEIGHT (AS NOTED ON PLANS)
 - TALLER WALLS MUST BE ENGINEERED.
 - NOMINAL WIDTH (9 1/2" FOR 10' THICK WALL).
- BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SC, ML-CL, OR CL).
- BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.
- PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT. FND. WALL WITH 2" CLEAR. REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.
 - FOR OPENINGS UP TO 36", PROVIDE MINIMUM 10" CONCRETE DEPTH OVER OPENING OR (3)2x10 W/ (2)2x6 JACK STUDS, UNO.
 - LARGER OPENINGS SHALL BE PER PLAN.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
 - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
 - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
 - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (F_m=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530.1.
- CMU FOUNDATION WALLS SHALL HAVE "DUR-O-WALL" HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.
- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- DESIGN LOADS:

ROOF	DEAD = 7 PSF T.C., 10 PSF B.C. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25
FLOOR	LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAMN) 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADD'L 10 PSF @ TILE)
LATERAL	120 MPH, EXPOSURE B. SEISMIC A/B.
SOIL	2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL. DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. UNO.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR SYP "STUD" GRADE LUMBER, OR BETTER, UNO.
 - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SFF) OR SOUTHERN PINE #2 (SYP) LUMBER, OR BETTER (KILN-DRIED). ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY. CODE TABLES HAVE NOT BEEN USED.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 16" O.C. (MAX., UNO.)
 - HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
 - "LSL" - Fb=2325 psi; Fv=310 psi; E=1.55x10⁶ psi
 - "LV.L" - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi
 - "PSL" - Fb=2400 psi; Fv=240 psi; E=2.0x10⁶ psi
- M&K SHALL BE FULLY IDENTIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO M&K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
 - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, UNO.
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN.), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s (HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, UNO.

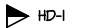
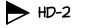
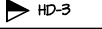
FLOOR FRAMING

- 1-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT M&K FOR MARBLE FLOOR DESIGNS)
- AT 1-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, UNO.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED "STURD-I-FLOOR" 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
 - 2 1/2" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES & @ 12" o.c. FIELD.
 - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.
 - #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.

ROOF FRAMING


- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, UNO.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 1-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W/ 2x4 LEDGER FASTENED TO:
 - RIM BOARD W/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (1-JOISTS)
 - TRUSS VERTICALS W/ (3) 3"x0.131" NAILS @ 14.2" O.C. MAX. (FLOOR TRUSSES)
- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
 - W/ 2 1/2" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES & @ 12" O.C. FIELD.
 - W/ 2 3/8" x 0.120" NAILS @ 4" o.c. @ PANEL EDGES & @ 8" O.C. FIELD.
 - W/ 2 3/8" x 0.113" NAILS @ 3" o.c. @ PANEL EDGES & @ 6" O.C. FIELD.

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
	SIMPSON HTT4 HOLD-DOWN @ 9/8" DIA. ANCHOR
	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UNO.) -OR- MSTC66B3 ALTERNATE
	SIMPSON STHD14/STHD14RJ

* UTILIZE THE SETB24 ANCHOR BOLT @ ALL MONOSLAB & INTERIOR RAISED SLAB (I.E. THICKENED SLABS, FOOTINGS) CONDITIONS. MINIMUM 24" MIN. FOOTING THICKNESS REQUIRED. EPOXY-SET ALTERNATE FOR MONOSLAB & INTERIOR RAISED SLAB CONDITIONS ONLY; UTILIZE SIMPSON SET EPOXY SYSTEM TO FASTEN THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 10" (FOR 5/8" DIA) OR 12" (FOR 1/8" DIA) MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. INSTRUCTIONS. MINIMUM 16" FOOTING THICKNESS REQ'D. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF CONCRETE.

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

- THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:
- 120 MPH WIND SPEED IN 2018 NC5BC:RC
(120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1)
EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.
- THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NC5BC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.
- DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NC5BC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.54 R802.11.
- EXT. WALL SHEATHING SPECIFICATION
- 7/16" OSB OR 15/32" PLYWOOD:
- FASTEN SHEATHING W/ 2 3/8"x0.113" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. TYP, UNO.
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (1/16" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.
- BLOCKED PANEL EDGES
- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/16" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.
- 3" O.C. EDGE NAILING
- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.
- NOTES
- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, UNO.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)
- INDICATES EXTENT OF INT. OSB SHEARNWALL OR 3" O.C. OSB SHEARNWALL.
-  INDICATES HOLDOWN BELOW

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

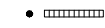
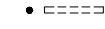
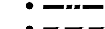

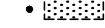


- ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN.
- TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING:
- ROOF TRUSSES:
 - 1/4" DEAD LOAD
 - FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:
 - 1/8" DEAD LOAD
 - FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS:
 - LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x10 1/8" - F	3/2"x11 1/8" - F	(3)3/4"x10 1/8" - F	(2)2x12 + (1) 3/8"x11 1/8" STEEL FLITCH PLATES - F	W12x14 - F
002	(3)3/4"x10 1/8" - F	3/4"x11 1/8" - F	(4)3/4"x10 1/8" - F	(2)2x12 + (1) 3/8"x11 1/8" STEEL FLITCH PLATES - F	W12x14 - F
003	(2)3/4"x10 1/8" - F	3/2"x11 1/8" - F	(3)3/4"x10 1/8" - F	(2)2x12 + (1) 3/8"x11 1/8" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)3/4"x11 1/4" - D	3/2"x11 1/4" - D	(2)3/4"x10 1/8" - D	(2)2x10 + (1) 3/8"x11 1/8" STEEL FLITCH PLATES - D	W8x10 - D

- BEAM NOTATION:
- "F" INDICATES FLUSH BEAM
 - "FT" INDICATES FLUSH TOP BEAM
 - "FB" INDICATES FLUSH BOTTOM BEAM
 - "D" INDICATES DROPPED BEAM
 - "H" INDICATES DROPPED OPENING HEADER
 - REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
 - REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
 - FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.
 - FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.

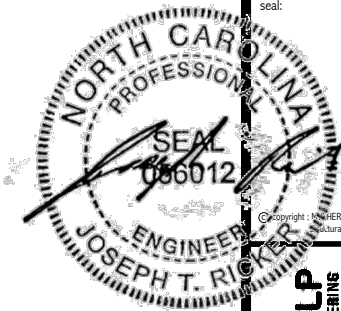
LEGEND

-  INTERIOR BEARING WALL
-  BEARING WALL ABOVE
-  BEAM / HEADER
-  INDICATES SHEAR WALL & EXTENT
-  EXTENT OF OVERFRAMING
- JL METAL HANGER
-  INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
-  INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

NON-BEARING HEADER SCHEDULE

SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6
UP TO 12'-0"	(2)2x8	(3)2x8

- NOTES:
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 24" O.C. (MAX.)



seal: 6/6/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



M&K project number:

126-22076

project mgr:

JTR

drawn by:

KJN

issue date: 06-06-25

REVISIONS:

date:

initial:

DRB HOMES

STRUCTURAL NOTES

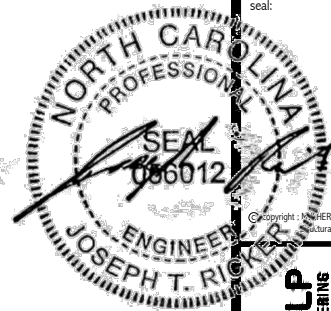
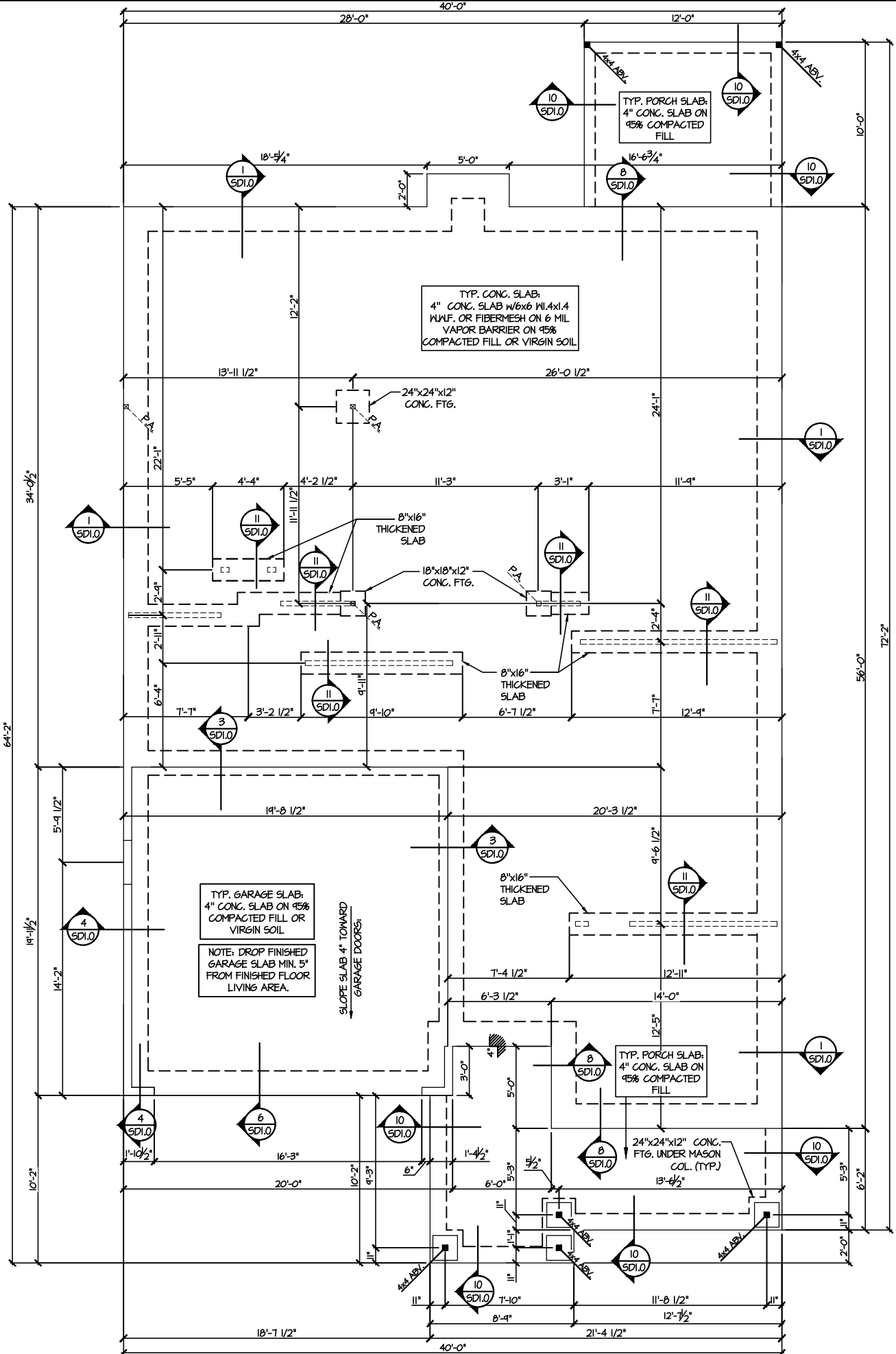
FARM AT NEIL'S CREEK

LOT 156 - COOPER 9

RALEIGH, NC

sheet:

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seal: 6/6/25

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NC LICENSE #C-3825



M&K project number:
126-22076

project mgr: JTR
drawn by: KJN
issue date: 06-06-25

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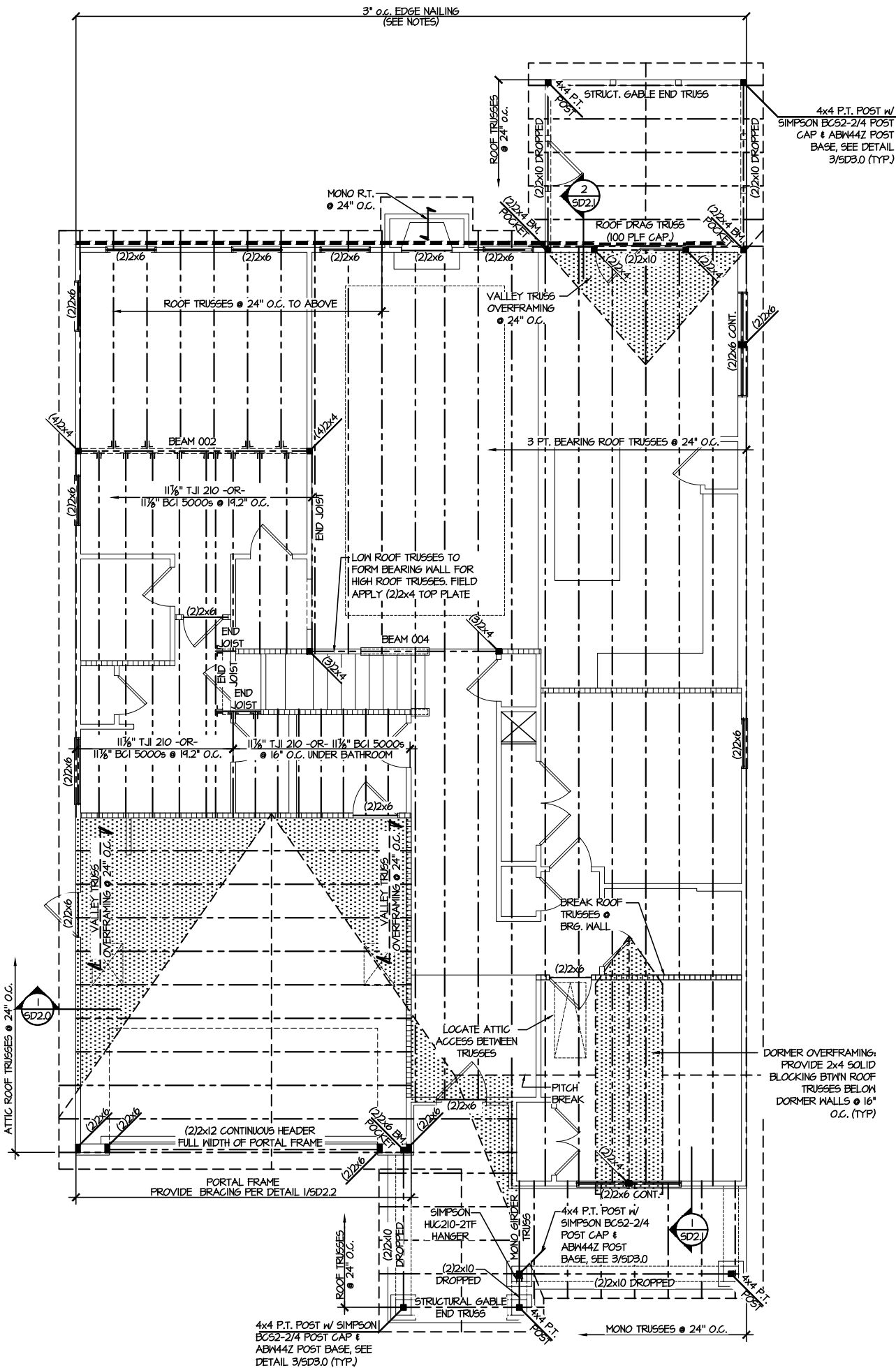
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1 MONO SLAB FOUNDATION PLAN
SCALE: 1/8"=1'-0"

LEGEND

-  INTERIOR BEARING WALL
 -  BEARING WALL ABOVE
 -  BEAM / HEADER
 -  INDICATES SHEAR WALL & EXTENT
 -  EXTENT OF OVERFRAMING
- 11. METAL HANGER**
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
-  INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



1 2ND FLOOR/LOW ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

ALTERNATE F.J. MANUFACTURERS

• FLOOR JOISTS BY MANUFACTURER'S OTHER THAN THOSE SHOWN ON PLAN SHALL CONFORM TO THE APA PERFORMANCE RELATED I-JOISTS DESIGN AND CONSTRUCTION GUIDE. MINIMUM JOIST PROPERTIES INCLUDING, BUT NOT LIMITED TO, ALLOWABLE SHEAR, ALLOWABLE MOMENT, STRENGTH, AND STIFFNESS, SHALL MEET OR EXCEED THOSE LISTED FOR THE FRI-60 SERIES I-JOISTS. ALL ALLOWABLE HOLES, BEARING STIFFENERS, AND JOIST TO JOIST CONNECTIONS ARE PER THE JOIST MANUFACTURER.

LEGEND

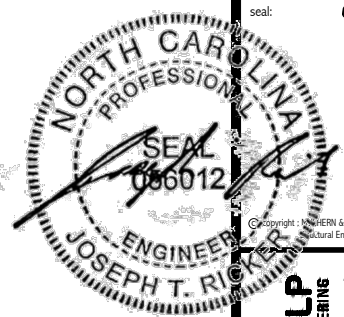
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- 1L METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING BTWN POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x11 1/8" - F	3/4"x11 1/8" - F	(3)3/4"x11 1/8" - F	(2)2x12 + (1) 3/8"x11 1/4" STEEL FLITCH PLATES - F	W12x14 - F
002	(3)3/4"x11 1/8" - F	3/4"x11 1/8" - F	(4)3/4"x11 1/8" - F	(2)2x12 + (1) 3/8"x11 1/4" STEEL FLITCH PLATES - F	W12x14 - F
003	(2)3/4"x11 1/8" - F	3/4"x11 1/8" - F	(3)3/4"x11 1/8" - F	(2)2x12 + (1) 3/8"x11 1/4" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)3/4"x11 1/4" - D	3/4"x11 1/4" - D	(2)3/4"x11 1/8" - D	(2)2x10 + (1) 3/8"x11 1/4" STEEL FLITCH PLATES - D	W8x10 - D

- BEAM NOTATION:
 - "F" INDICATES FLUSH BEAM
 - "FT" INDICATES FLUSH TOP BEAM
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- FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.



seal: 6/6/25



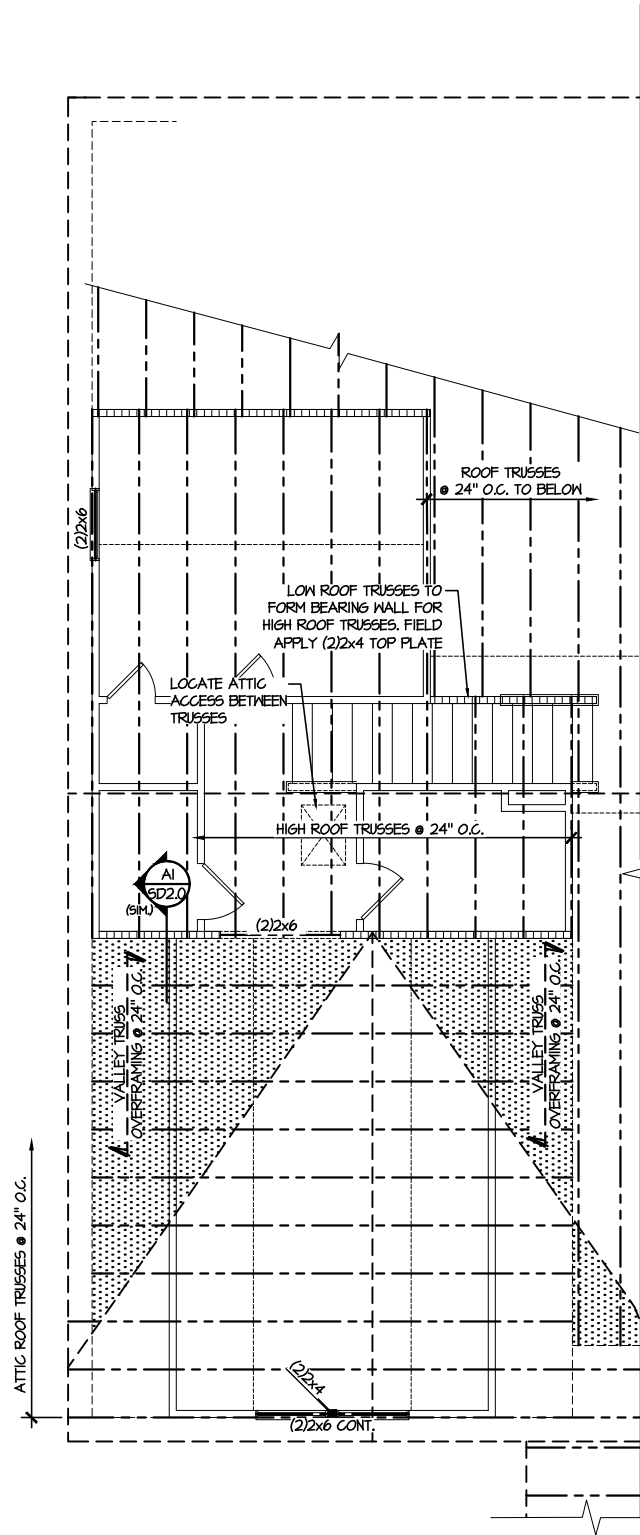
M&K project number:
126-22076
project mgr: JTR
drawn by: KJN
issue date: 06-06-25

REVISIONS:
date: initial:



ROOF FRAMING PLANS
FARM AT NEILS CREEK
LOT 156 - COOPER 9
RALEIGH, NC

sheet:
S2.0

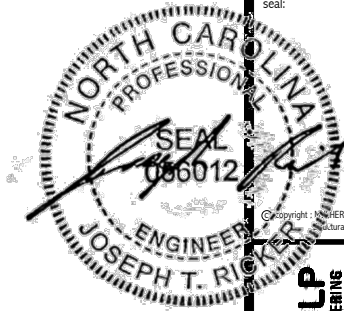


1 ATTIC ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- .1L METAL HANGER
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



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M&K project number:
126-22076

project mgr: JTR
drawn by: KJN
issue date: 06-06-25

REVISIONS:	
date:	initial:



ROOF FRAMING PLANS

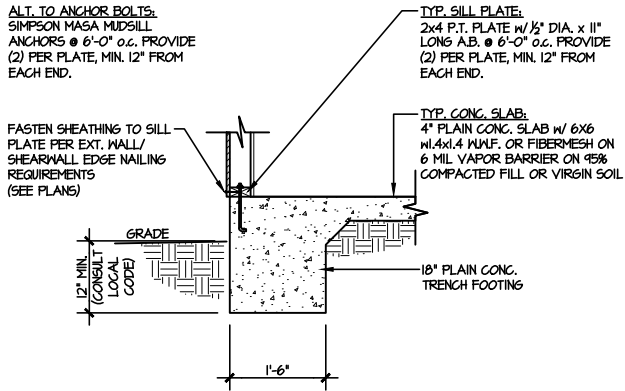
FARM AT NEIL'S CREEK

LOT 156 - COOPER 9

RALEIGH, NC

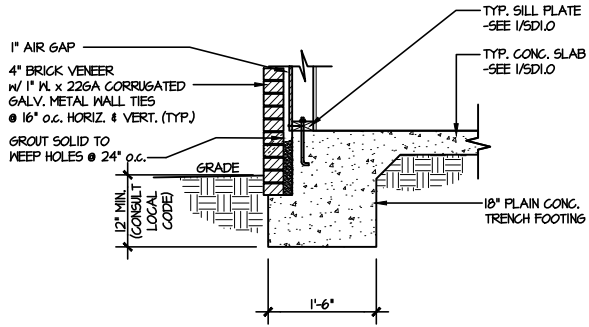
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FILE: RLH - Neils Creek - Lot 156 - Structural DATE: 6/6/2025 12:53 PM



1 TYPICAL SLAB ON GRADE
PERIMETER FOOTING

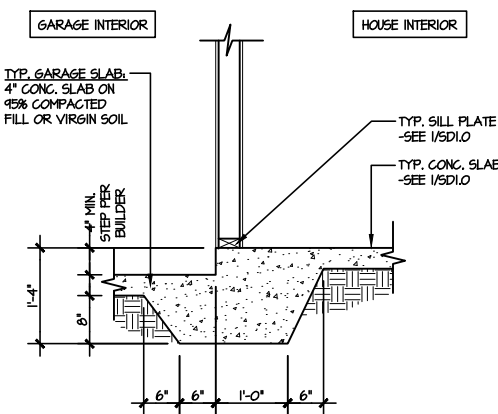
SCALE: 3/8"=1'-0"



2 TYPICAL SLAB ON GRADE
PERIMETER FOOTING

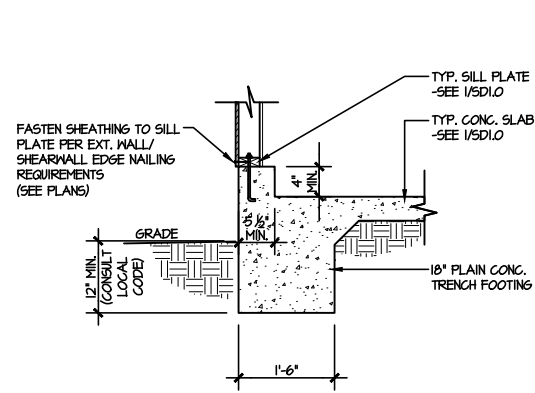
SCALE: 3/8"=1'-0"

W/ BRICK VENEER



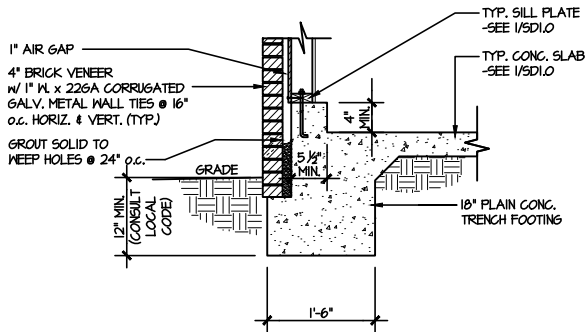
3 TYPICAL MONOLITHIC INTERIOR
GARAGE FOOTING

SCALE: 3/8"=1'-0"



4 TYPICAL SLAB ON GRADE GARAGE
PERIMETER FOOTING

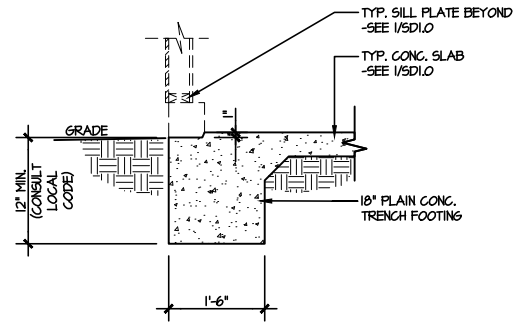
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5 TYPICAL SLAB ON GRADE GARAGE
PERIMETER FOOTING

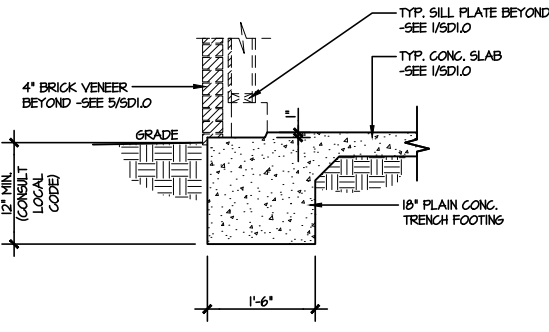
SCALE: 3/8"=1'-0"

W/ BRICK VENEER



6 TYPICAL SLAB ON GRADE GARAGE
ENTRY @ PERIMETER FOOTING

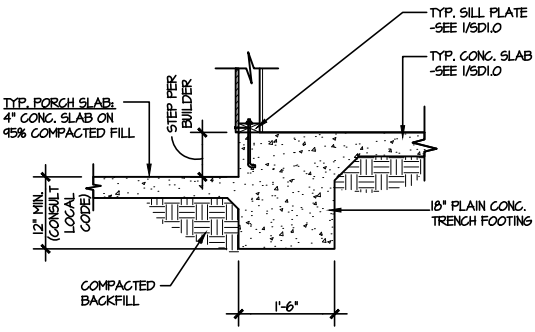
SCALE: 3/8"=1'-0"



7 TYPICAL SLAB ON GRADE GARAGE
ENTRY @ PERIMETER FOOTING

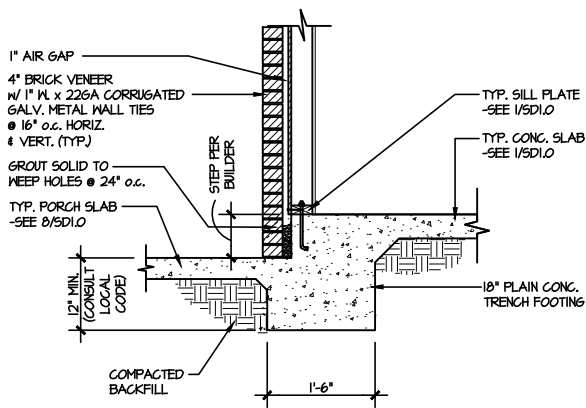
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W/ BRICK VENEER



8 TYPICAL SLAB ON GRADE PERIMETER
FOOTING @ PORCH/PATIO

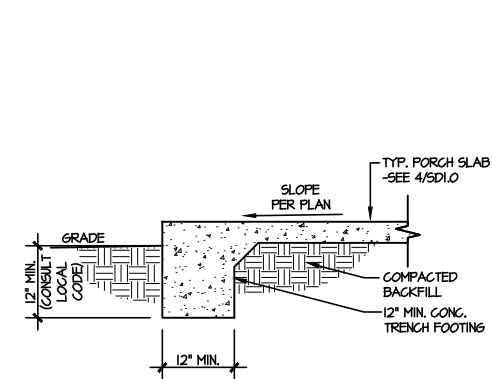
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9 TYPICAL SLAB ON GRADE PERIMETER
FOOTING @ PORCH/PATIO

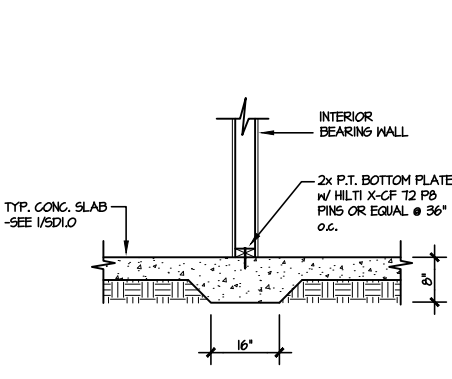
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W/ BRICK VENEER



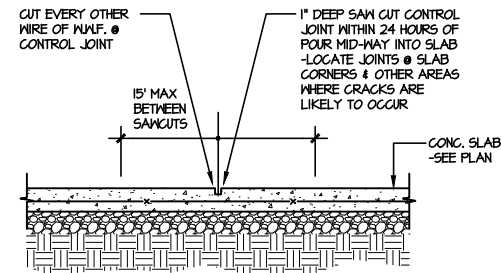
10 TYPICAL FOOTING @ PORCH SLAB

SCALE: 3/8"=1'-0"



11 TYPICAL THICKENED SLAB @
INTERIOR BEARING WALL

SCALE: 3/8"=1'-0"



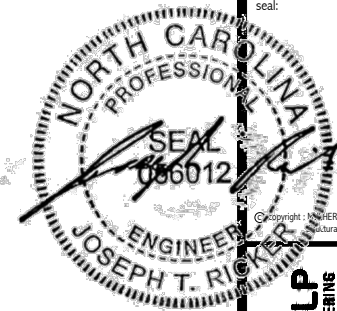
A TYPICAL CONTROL JOINT

SCALE: 3/8"=1'-0"

LOCATE @ 15'-0" o.c. MAX.
OR CORNERS WHERE CRACKS
LIKELY TO DEVELOP

LETTERED DETAILS ARE TYPICAL FOR
THIS HOME & SHALL BE IMPLEMENTED IN
ALL APPLICABLE AREAS. THESE
DETAILS ARE NOT "CUT" ON THE PLANS.

NUMBERED DETAILS ARE PLAN
SPECIFIC AND ARE ONLY REQUIRED
WHERE SPECIFICALLY INDICATED
("CUT") ON THE PLANS.



6/6/25

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M&K project number:

126-22076

project mgr:

JTR

drawn by:

KJN

issue date:

06-06-25

REVISIONS:

date:

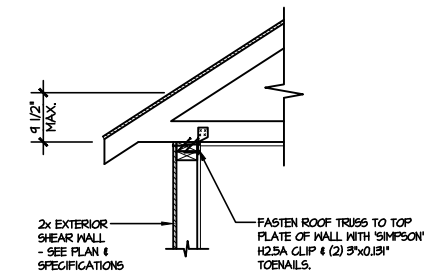
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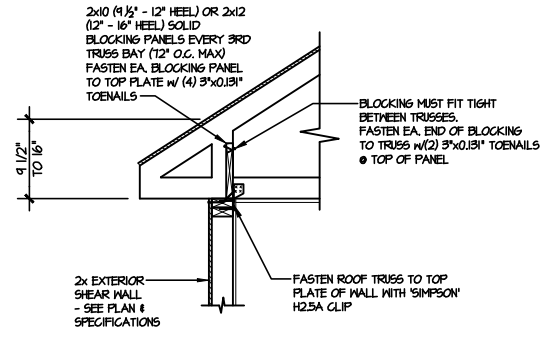
FOUNDATION DETAILS
FARM AT NEILS CREEK
LOT 156 - COOPER 9
RALEIGH, NC

sheet:

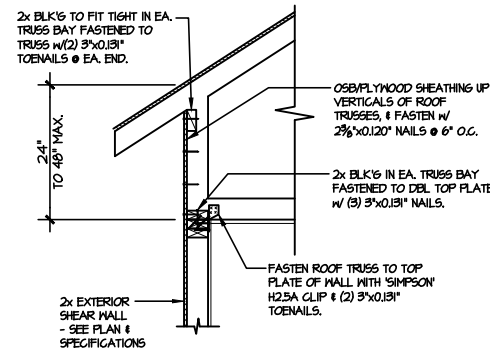
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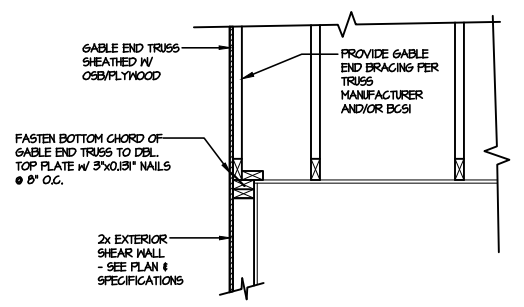
TYPICAL SHEAR TRANSFER DETAIL @ ROOF
A1 SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2"
NO BLOCKING REQ'D



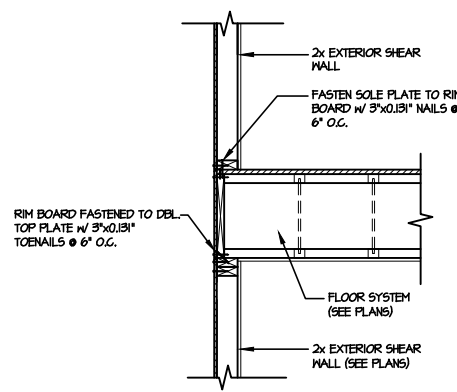
TYPICAL SHEAR TRANSFER DETAIL @ ROOF
A2 SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16"
BLOCKING REQ'D



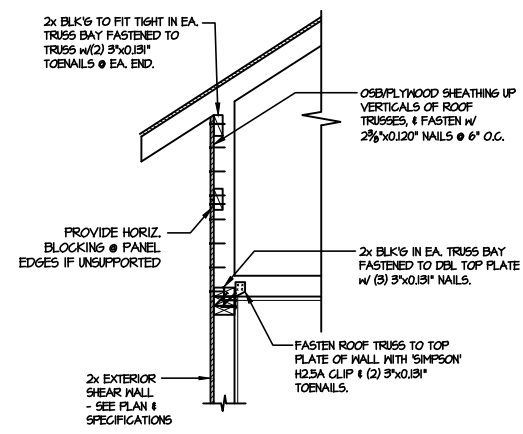
TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
A3 SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



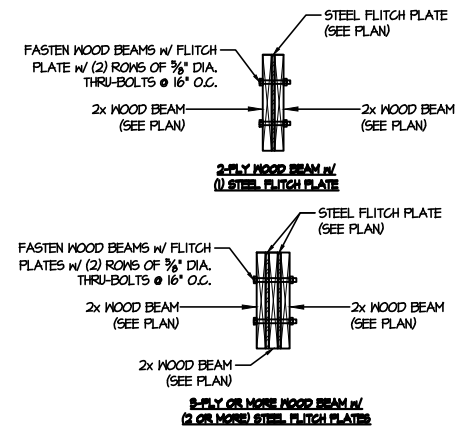
TYPICAL GABLE END DETAIL
B SCALE: 3/8"=1'-0"



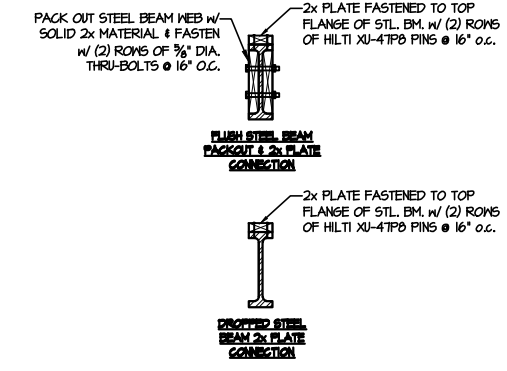
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
C SCALE: 3/8"=1'-0"



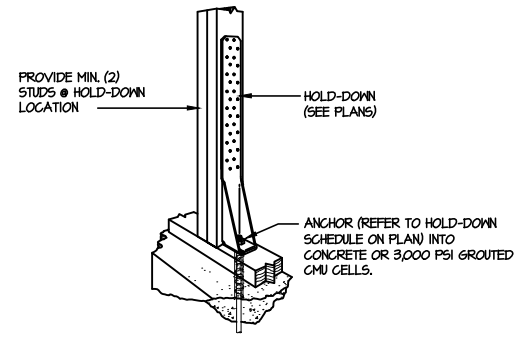
TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
I SCALE: 3/8"=1'-0"
HEEL HEIGHT GREATER THAN 48"



TYPICAL FLITCH BEAM CONNECTION DETAIL
D SCALE: 3/4"=1'-0"



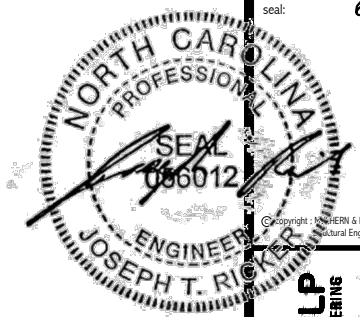
TYPICAL STEEL BEAM CONNECTION DETAIL
E SCALE: 3/4"=1'-0"



TYPICAL HOLD DOWN INSTALLATION
F1 SCALE: N.T.S.

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
3800 Duncansville Ave. Building 4 - Asheville, NC 28802
P: 715-566-8881 - mulhern@mulhernkulp.com
N.C. LICENSE #C-3825

M&K project number:
126-22076

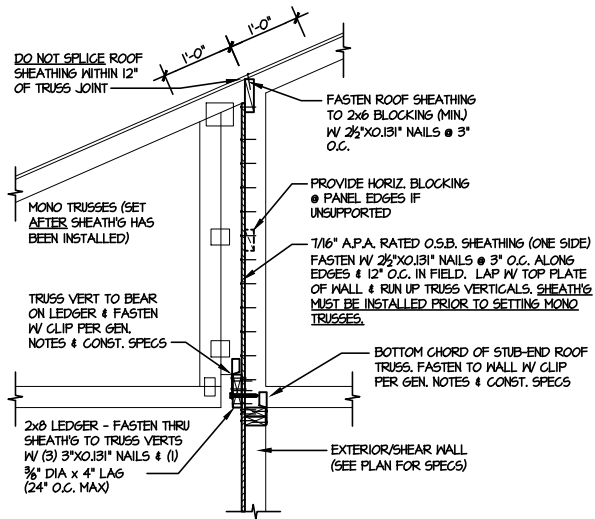
project mgr: JTR
drawn by: KJN
issue date: 06-06-25

REVISIONS:

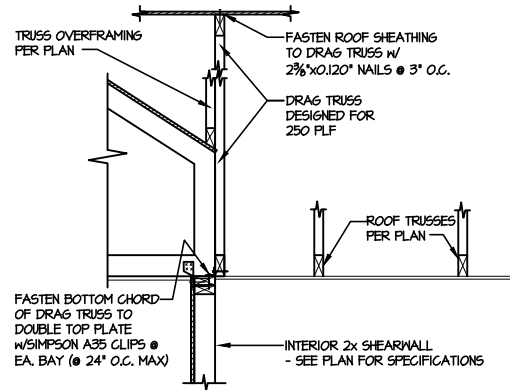
date:	initial:

DRB HOMES

FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 156 - COOPER 9
RALEIGH, NC



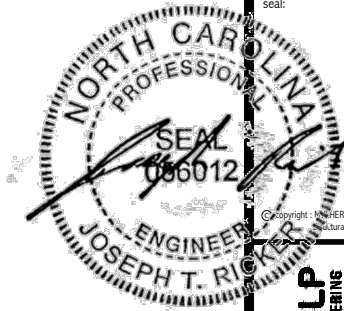
1 SHEAR TRANSFER DETAIL @
BREAK IN TRUSSES OVER SHEAR WALL
SCALE: 3/4\"/>



2 SHEAR TRANSFER DETAIL
AT INTERIOR SHEARWALL BELOW
SCALE: 3/4\"/>

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

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seal: 6/6/25

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N.C. LICENSE #C-3825

M&K project number:
126-22076

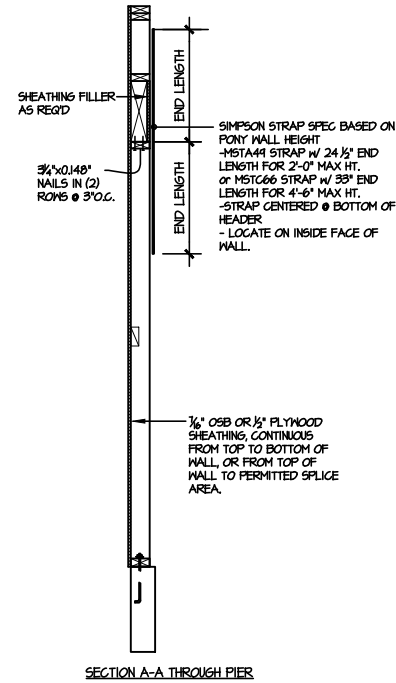
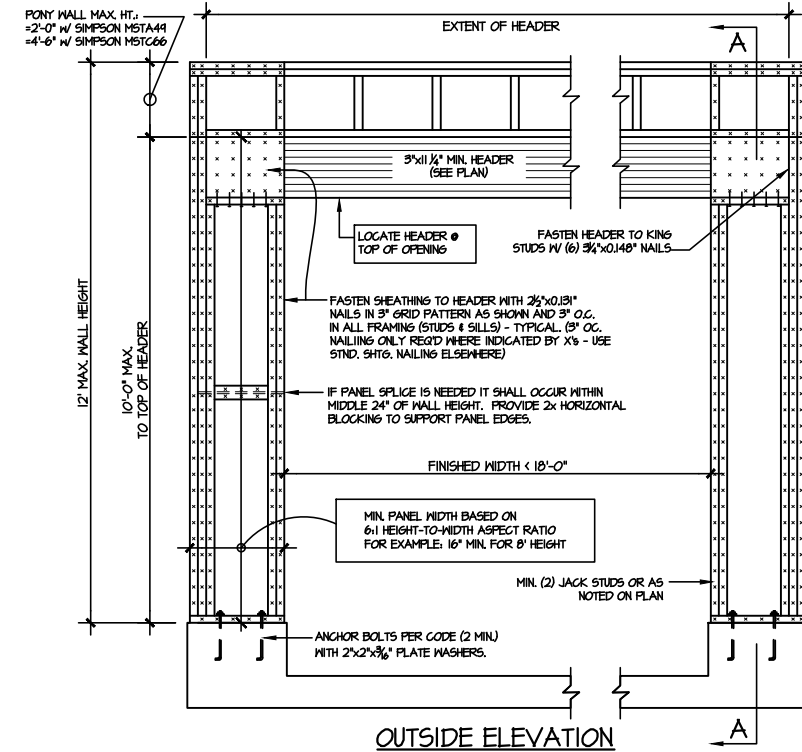
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drawn by: KJN
issue date: 06-06-25

REVISIONS:	
date:	initial:

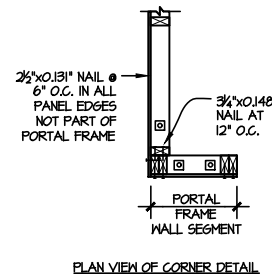
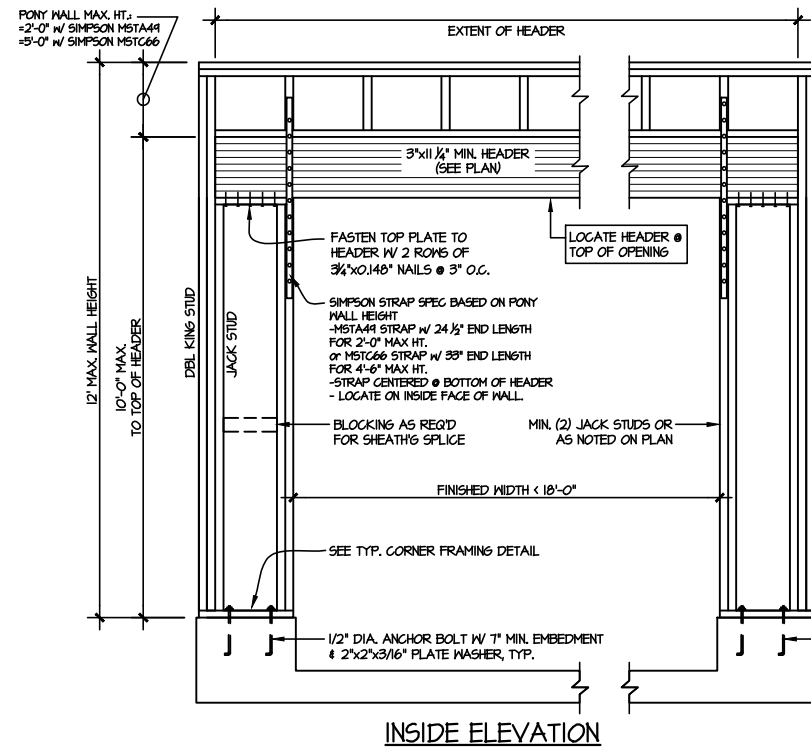


FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 156 - COOPER 9
RALEIGH, NC

sheet:
SD2.1

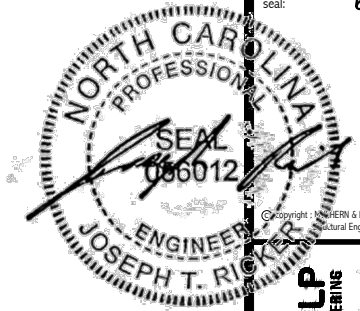


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/8" OSB



ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:
1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD
2) 1/2" DIA. THREADED ROD EPOXY SET W/ 4 1/2" EMBED. (MIN) UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

TWO SIDED GARAGE PORTAL FRAME BRACING
ELEVATION ON CONCRETE STEM
SCALE: N.T.S.



6/6/25

MULHERN+KULP
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3800 Beavercreek Ave. Suite 100 Raleigh, NC 27607
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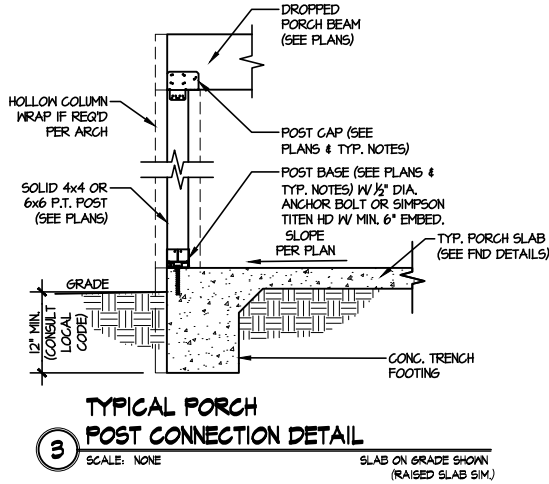
M&K project number:
126-22076
project mgr: JTR
drawn by: KJN
issue date: 06-06-25

REVISIONS:	
date:	initial:

DRB
HOMES

FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 156 - COOPER 9
RALEIGH, NC

sheet:
SD2.2



seal:

6/6/25

SEAL

086012

ENGINEER

JOSEPH T. RICKER

MULHERN+KULP

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FRAMING DETAILS

FARM AT NEIL'S CREEK

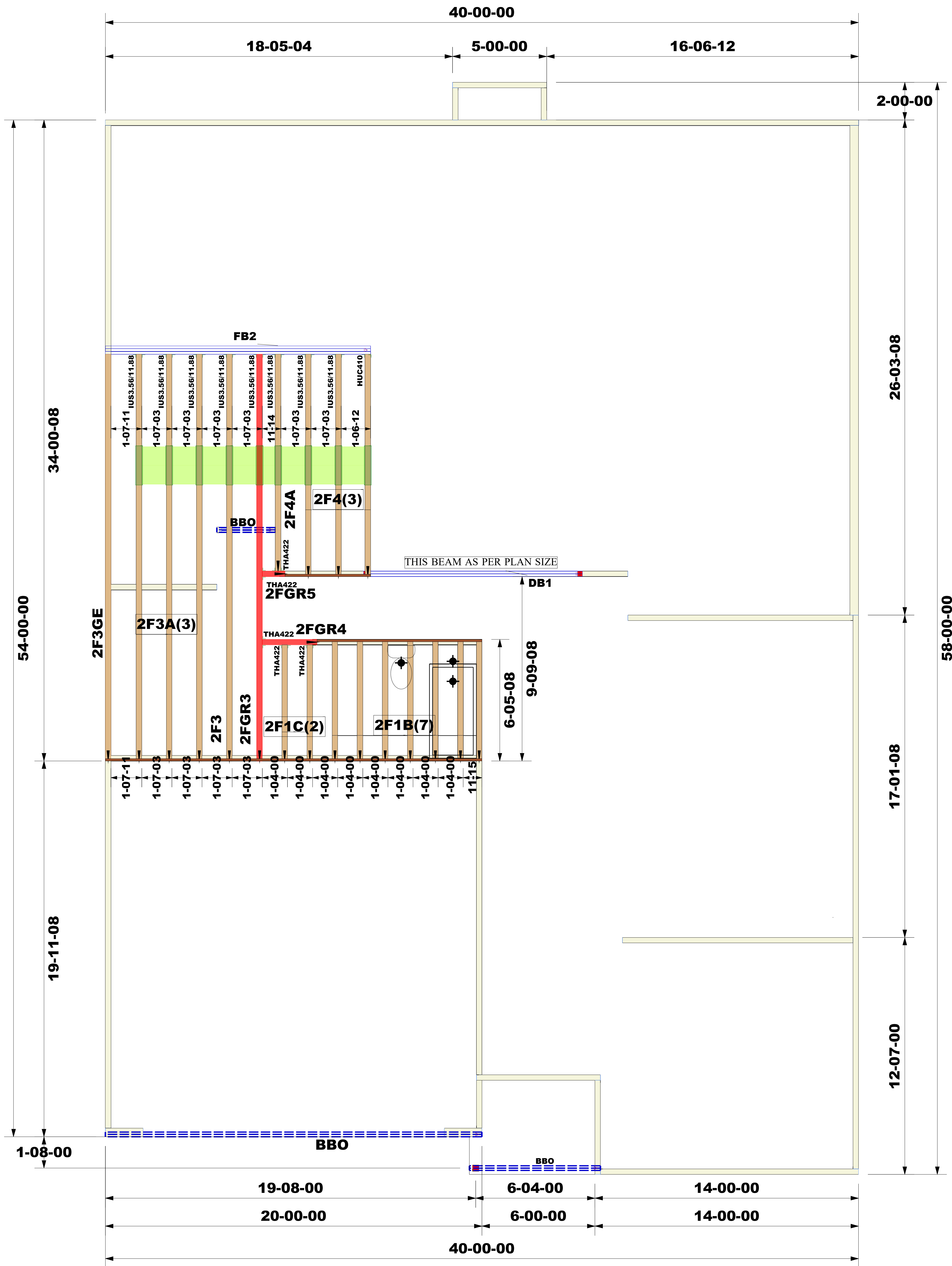
LOT 156 - COOPER 9

RALEIGH, NC

sheet:

SD3.0

FLOOR TRUSS LAYOUT
SCALE: NTS





- * EXTERIOR DIMENSIONS ARE TO STUD
- * INSTALLATION OF STRONGBACKS RECOMMENDED (NOT REQUIRED)
- * INSTALL 2X4 NAILER ON ALL TOP RIBBON NOTCH CONDITIONS.

The Farm at Neill's Creek (NC)(RAL)
Lot 156 Phase
Model 1776-1 - Cooper 3
Garage Left
OPT Bonus Room W/Bedroom
Elevation 9

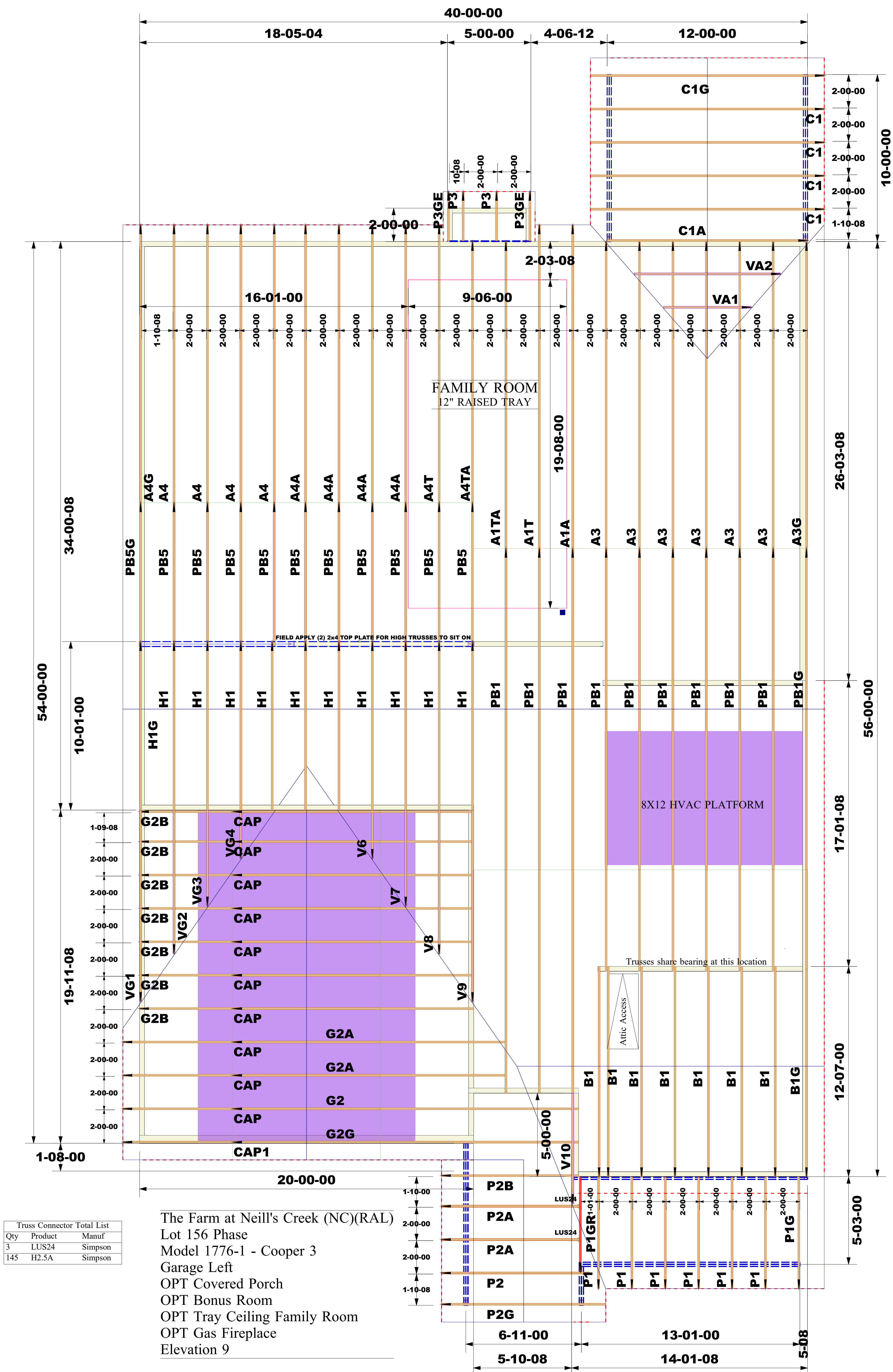
Products					
Net Qty	Plies	Product	Length	PlotID	
3	3	1 3/4" x 11 7/8" (2.0E 3100) LVL	16-00-00	FB2	
2	2	1 3/4" x 11 7/8" (2.0E 3100) LVL	12-00-00	DB1	

Truss Connector Total List		
Qty	Product	Manuf
1	HUC410	Simpson
8	IUS3.56/11.88	Simpson
5	THA422	Simpson

Job #:	WARNING: CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE TRUSS MANUFACTURER. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING THE ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TOPPLING AND DOMINION DURING ERECTION; AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR FURTHER INFORMATION. TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED DESIGN. TRUSSES SHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.	NOTE: IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION. THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WCTA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION, AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY.	Customer: DRB Raleigh Job Name: The Farm at Neill's Creek Lot #: 00.0156 Model Name: Cooper 3	 Third-Party Quality Assurance Licensee TPI Plant W974 Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591	
2505-7938					
Designer:					
Abhijit Bera					
Sales Rep:					
Robbie Zarobinski					



ROOF TRUSS LAYOUT

SCALE: NTS



Truss Connector Total List		
Qty	Product	Manuf
3	LUS24	Simpson
145	H2.5A	Simpson

The Farm at Neill's Creek (NC)(RAL)
Lot 156 Phase
Model 1776-1 - Cooper 3
Garage Left
OPT Covered Porch
OPT Bonus Room
OPT Tray Ceiling Family Room
OPT Gas Fireplace
Elevation 9

Job #:	2505-7939	<p>WARNING:</p> <p>CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE TRUSS MANUFACTURER. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING THE ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT CYCLING AND DOMINING DURING ERECTION, AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES" COMMENTARY AND RECOMMENDATIONS" (BCS-1) FOR FURTHER INFORMATION.</p> <p>TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED DESIGN. TRUSSES SHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.</p>	<p>NOTE:</p> <p>IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER RECTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.</p> <p>THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WTCA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION, AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY.</p>	<p>Customer: DRB Raleigh</p> <p>Job Name: The Farm at Neill's Creek</p> <p>Lot #: 00.0156</p> <p>Model Name: Cooper 3</p>	 <p>Third-Party Quality Assurance Licensee TPI Plant W974</p> <p>Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591</p> 
Designer:	Abhijit Bera				
Sales Rep:	Robbie Zarobinski				