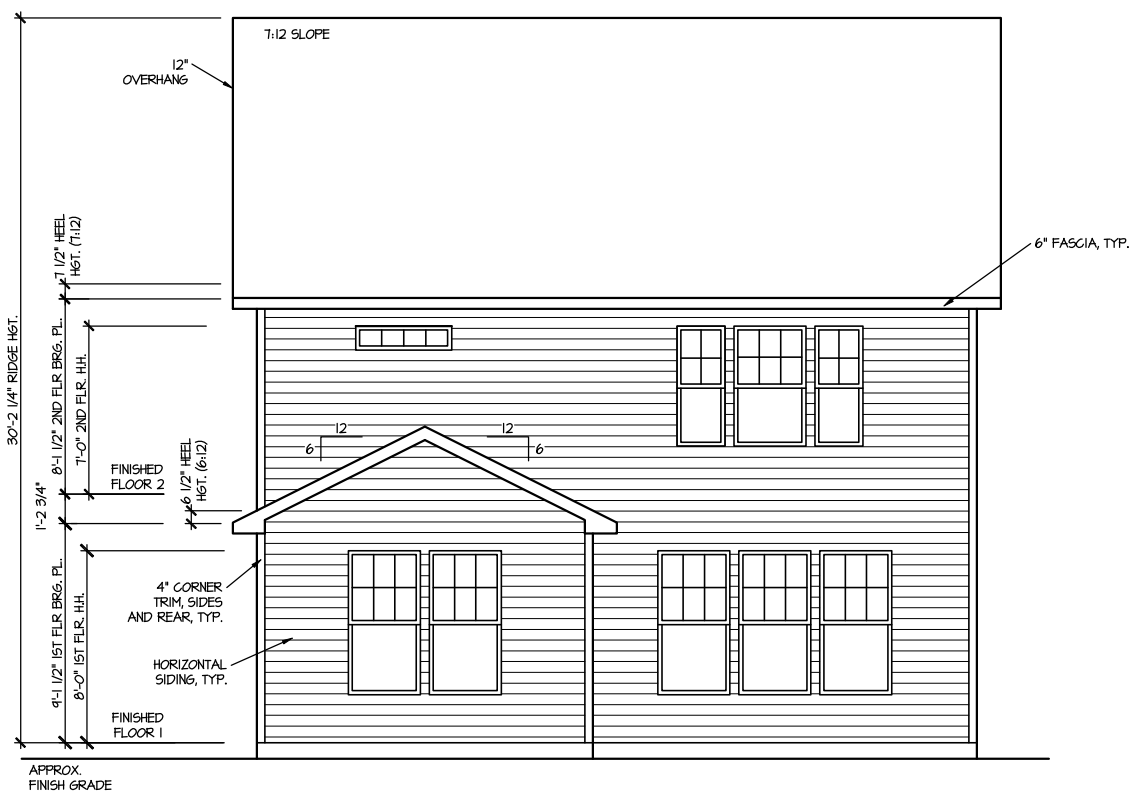


**FRONT ELEVATION I**  
SCALE: 1/8" = 1'-0"



**REAR ELEVATION I**  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0198.dwg DATE: 6/5/2024 11:13 AM

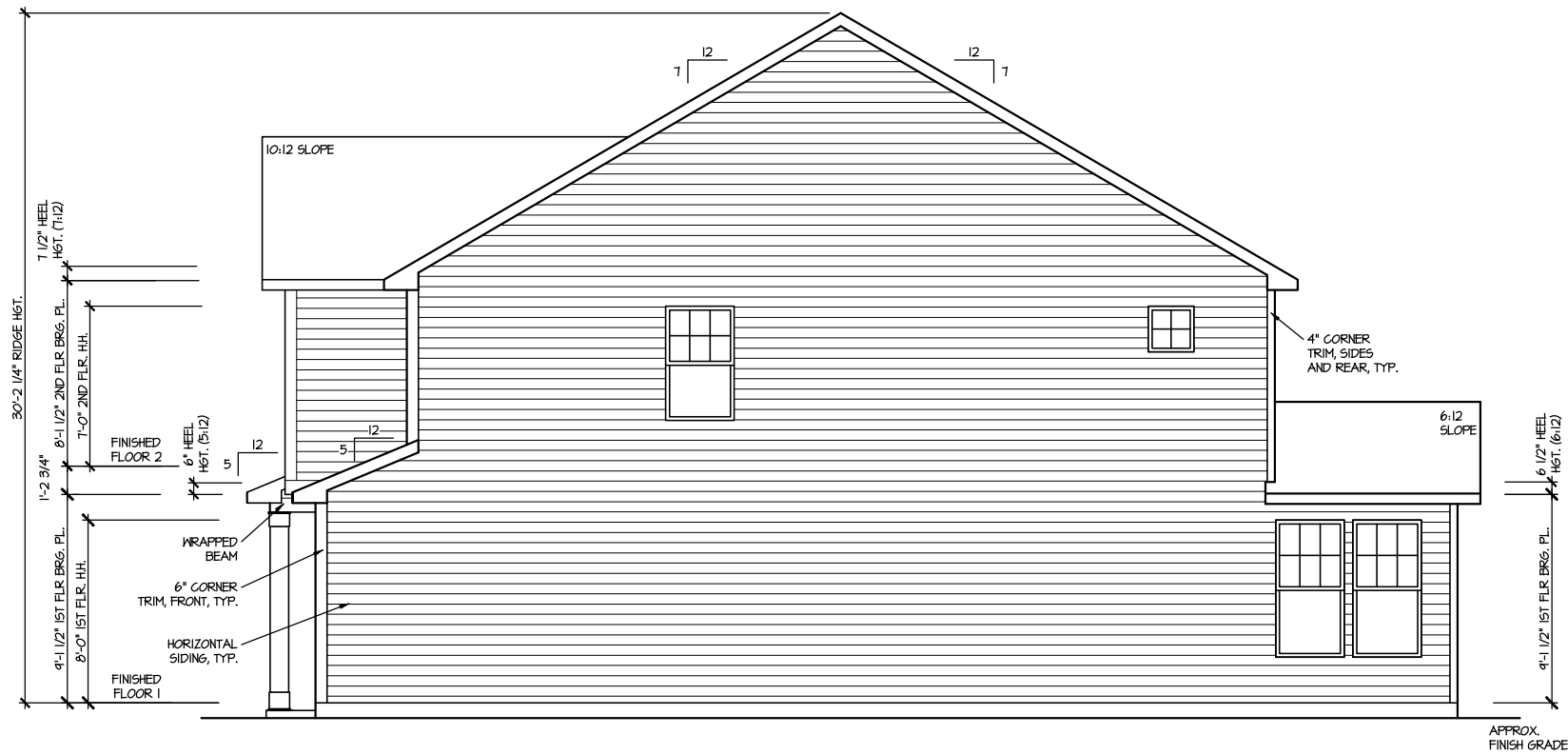
MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	04-26-2024
2-RALE	07-10-2023	

DRAWN BY:	ITS
DATE:	06/05/2024
PLAN NO.	1995

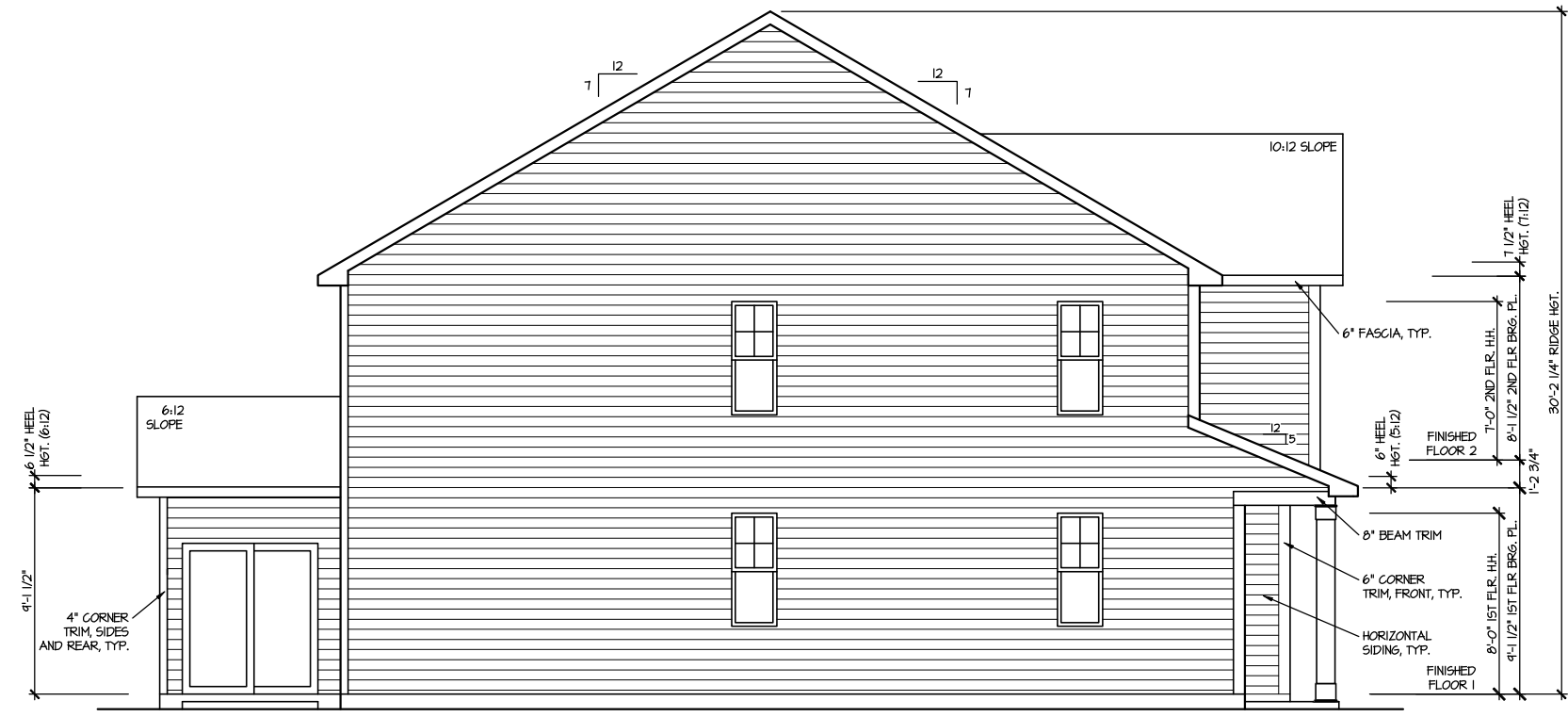


HOUSE NAME:  
**MERLOT**  
DRAWING TITLE  
**FRONT & REAR ELEVATIONS**

SHEET No.  
**A.1**



**RIGHT ELEVATION I**  
SCALE: 1/8" = 1'-0"



**LEFT ELEVATION I**  
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION  
REVISION DATE 07-10-2023  
2-RALE

UPDATED DATE 04-26-2024

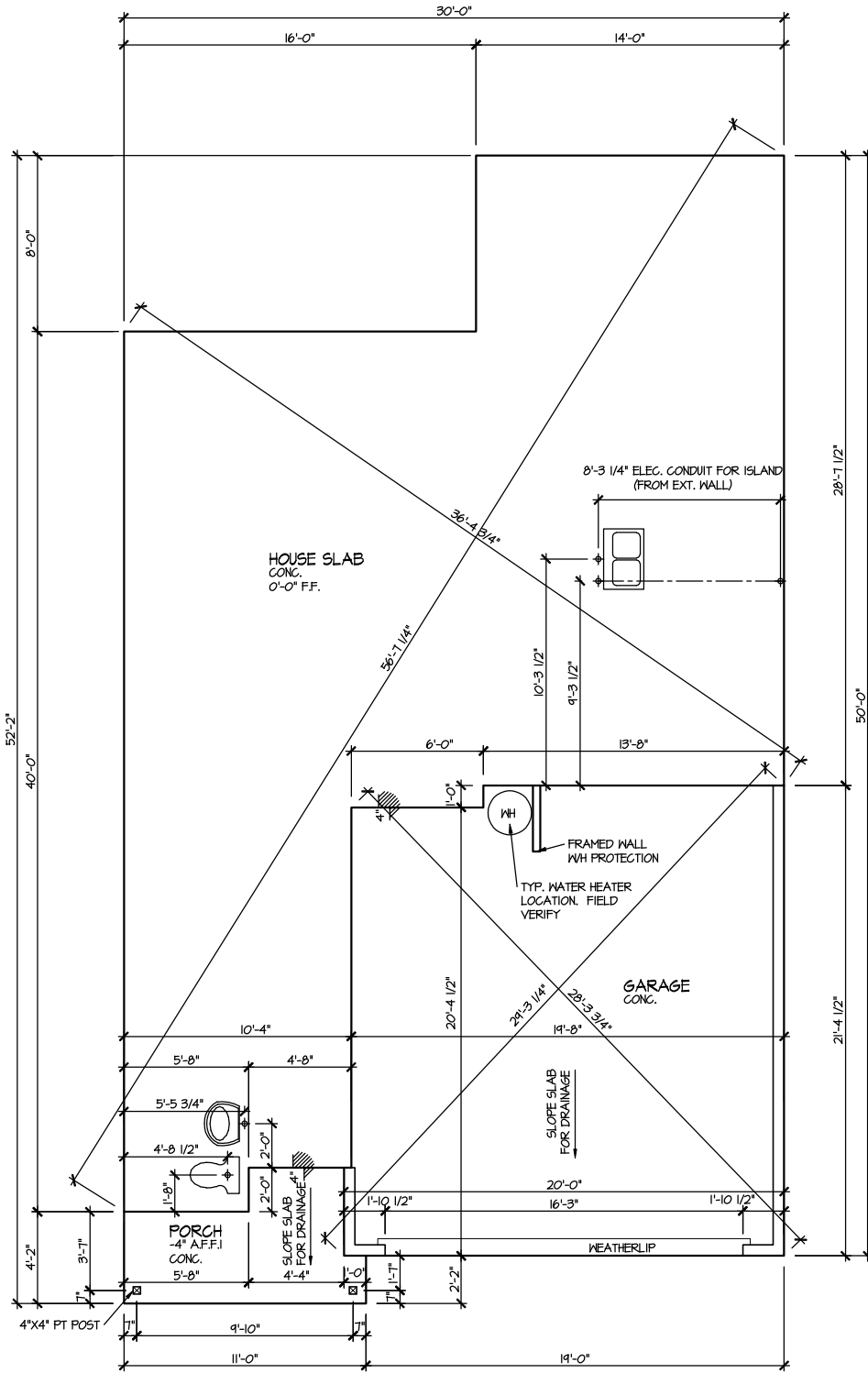
DRAWN BY: ITS  
DATE: 06/05/2024  
PLAN NO. 1995



HOUSE NAME: MERLOT  
DRAWING TITLE: RIGHT & LEFT ELEVATIONS

SHEET No. A.2





**ELEVATION I  
SLAB PLAN**

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

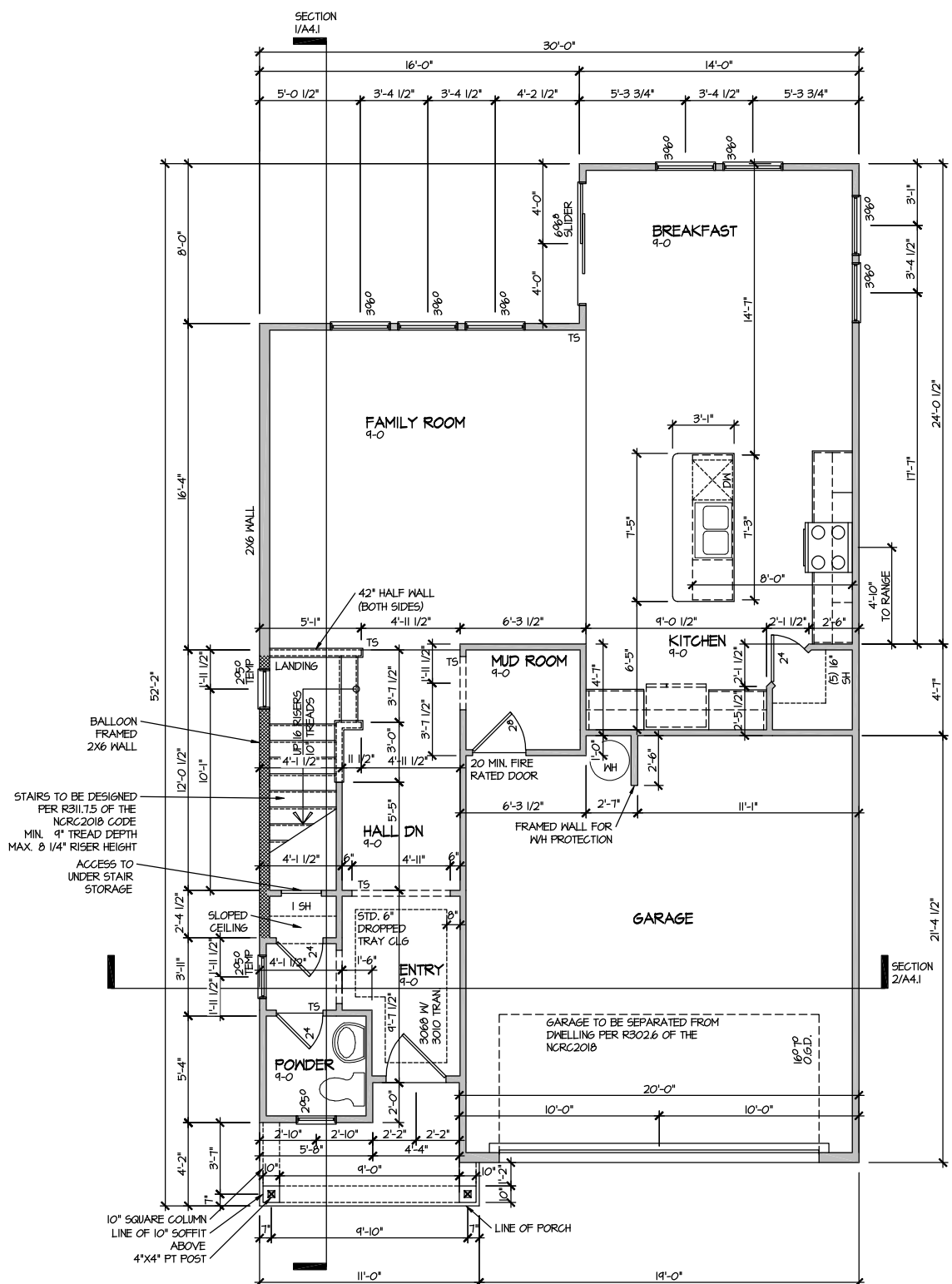
DRAWN BY: ITS  
DATE: 06/05/2024  
PLAN NO. 1995



HOUSE NAME: MERLOT  
DRAWING TITLE: SLAB PLAN

SHEET No. A2.1

FILE: Lot\_00.0198.dwg DATE: 6/5/2024 11:13 AM



ELEVATION I  
FIRST FLOOR PLAN

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

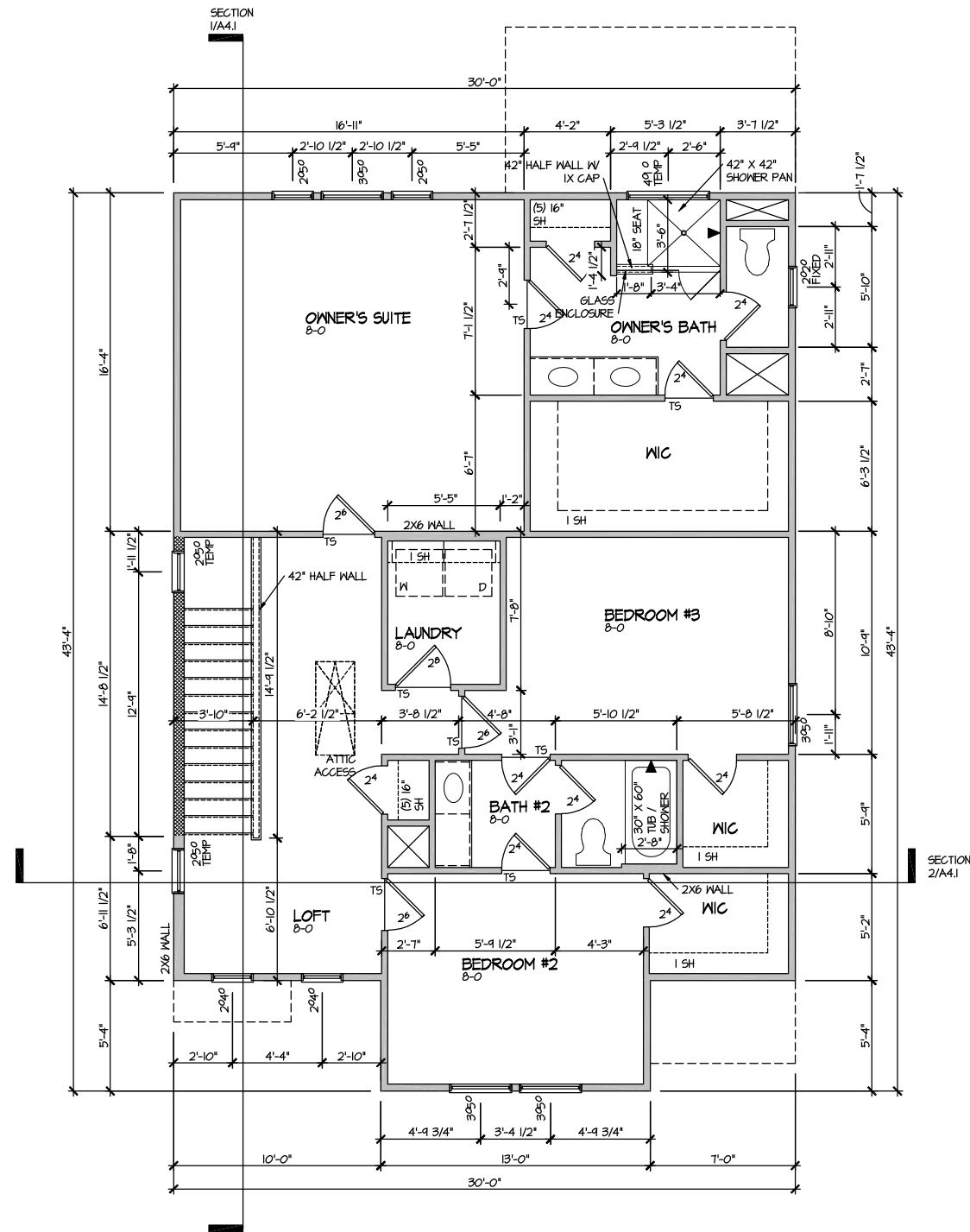
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REVISION	DATE	UPDATED DATE
2-RALE	07-10-2023	04-26-2024

DRAWN BY:	ITS
DATE:	06/05/2024
PLAN NO.	1995



HOUSE NAME:	MERLOT
DRAWING TITLE	FIRST FLOOR PLAN

SHEET No.	A3.1
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ELEVATION I  
 SECOND FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

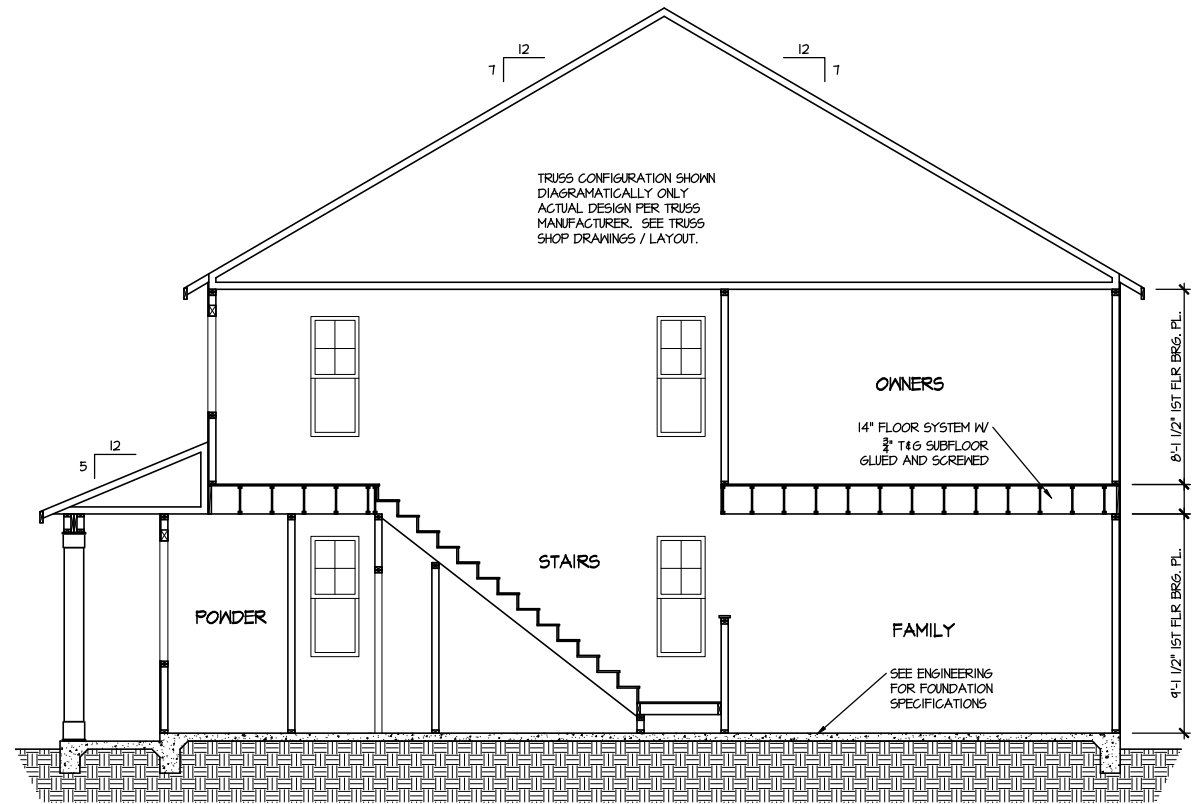
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	07-10-2023
	UPDATED DATE
	04-26-2024

DRAWN BY:	ITS
DATE:	06/05/2024
PLAN NO.	1995



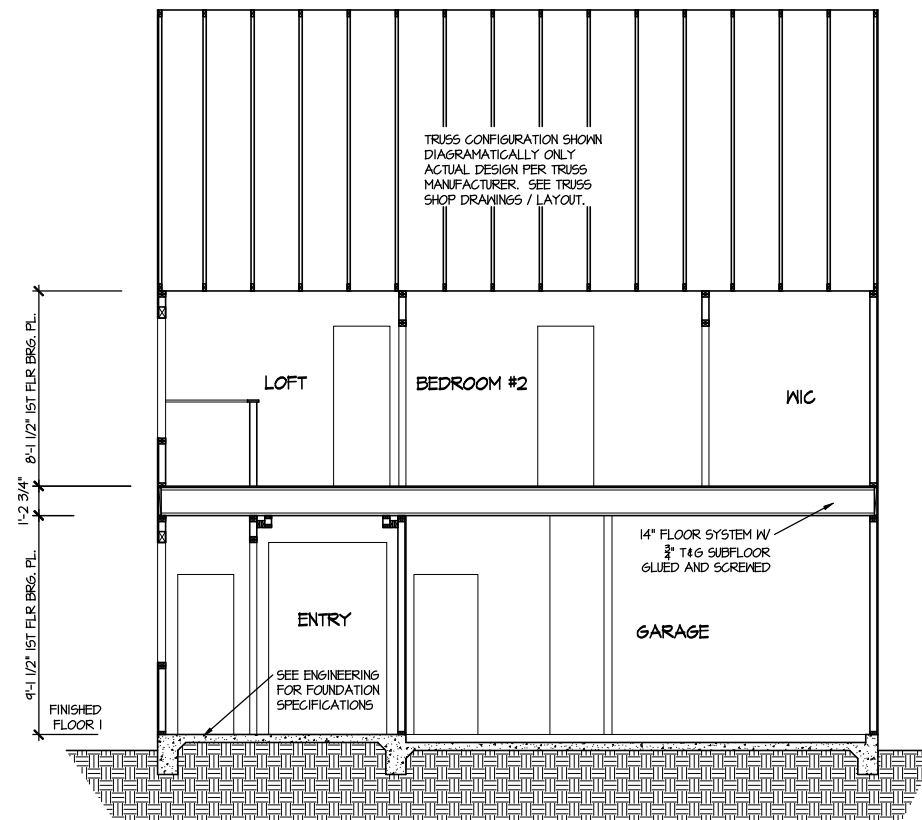
HOUSE NAME:  
**MERLOT**  
 DRAWING TITLE  
**SECOND FLOOR PLAN**

SHEET No.  
**A3.2**



**SECTION 1**

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



**SECTION 2**

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

FILE: Lot\_00.0198.dwg DATE: 6/5/2024 11:13 AM

MASTER PLAN INFORMATION	
REVISION	DATE
2 - RALE	07-10-2023
UPDATED DATE	04-26-2024

DRAWN BY:	ITS
DATE:	06/05/2024
PLAN NO.	1995



HOUSE NAME:  
**MERLOT**

DRAWING TITLE  
**BUILDING SECTION**

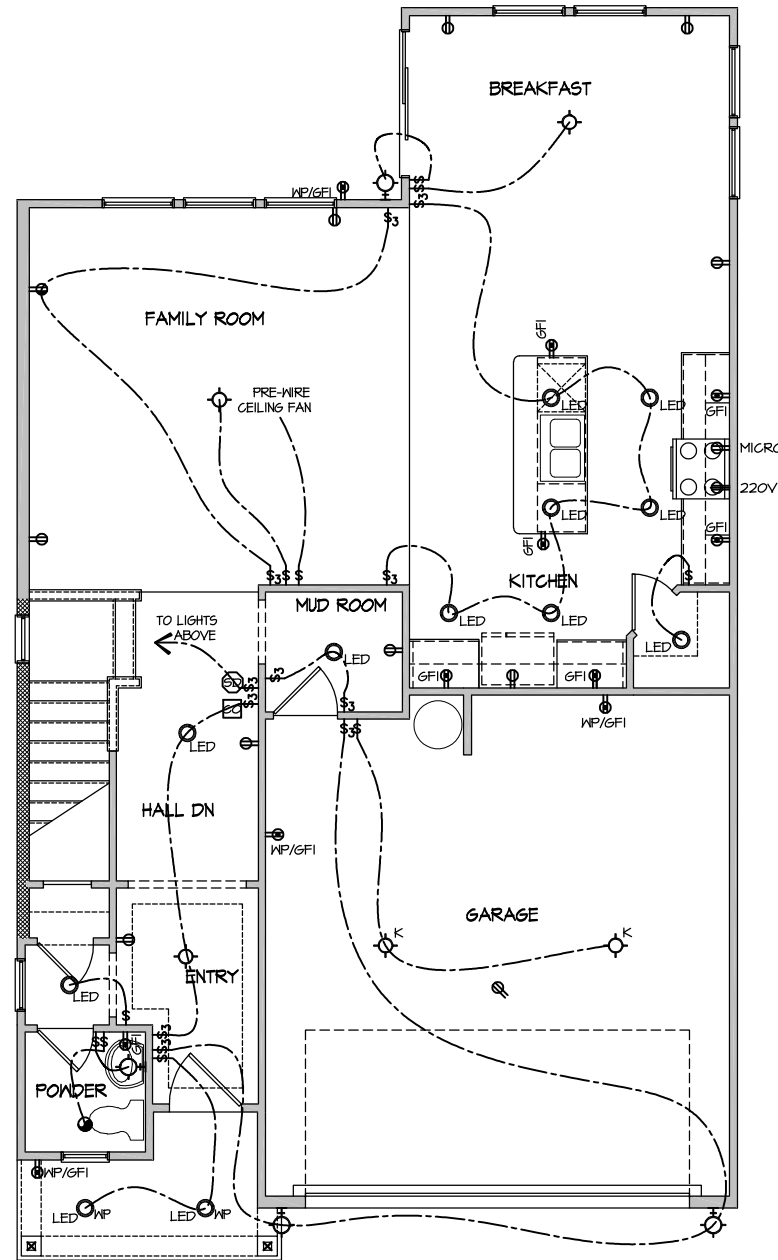
SHEET No.  
**A4.1**



**ELECTRICAL LEGEND**

- ⌚ SINGLE POLE SWITCH
- ⌚<sub>3</sub> THREE WAY SWITCH
- ⌚<sub>4</sub> FOUR WAY SWITCH
- ⊕ DUPLEX AFCI RECEPTACLE
- ⊕<sub>B</sub> DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⊕<sub>F</sub> DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- ⊕<sub>220V</sub> RECEPTACLE - 220V
- ⊕<sub>GFI</sub> DUPLEX AFCI RECEPTACLE - GFI
- ⊕<sub>WP/GFI</sub> DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⊕<sub>SD</sub> SMOKE DETECTOR - WIRED IN SERIES
- ⊕<sub>EF</sub> EXHAUST FAN MOTOR
- ⊕<sub>CO</sub> CO DETECTOR
- ⊕<sub>DC</sub> DOOR CHIME
- ⊕<sub>WM</sub> LIGHT FIXTURE - WALL MOUNTED
- ⊕<sub>CM</sub> LIGHT FIXTURE - CEILING MOUNTED
- ⊕<sub>LSM</sub> LIGHT FIXTURE - LED SURFACE MOUNTED
- ⊕<sub>P</sub> FULLCHAIN LAMPHOLDER
- ⊕<sub>K</sub> 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. 1**

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

FILE: Lot\_00.0198.dwg DATE: 6/5/2024 11:13 AM

MASTER PLAN INFORMATION	
DATE	07-10-2023
REVISION	2 - RALE
UPDATED DATE	04-26-2024

DRAWN BY:	ITS
DATE:	06/05/2024
PLAN NO.	1995



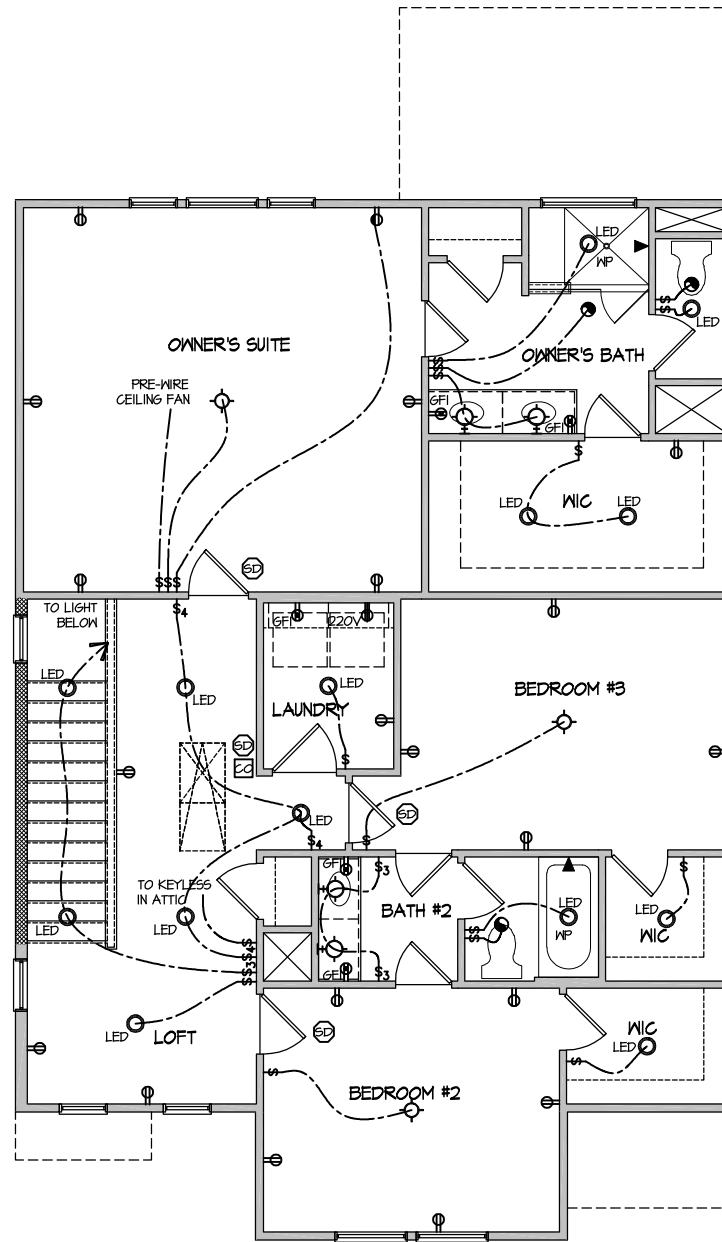
HOUSE NAME:	MERLOT
DRAWING TITLE	FIRST FLOOR ELECTRICAL

SHEET No.	11
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**ELECTRICAL LEGEND**

- Ⓢ SINGLE POLE SWITCH
- Ⓢ<sub>3</sub> THREE WAY SWITCH
- Ⓢ<sub>4</sub> FOUR WAY SWITCH
- ⓈⓈ DUPLEX AFCI RECEPTACLE
- ⓈⓈ<sub>1/2</sub> DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⓈⓈ<sub>F</sub> DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- ⓈⓈ<sub>220V</sub> RECEPTACLE - 220V
- ⓈⓈ<sub>GFI</sub> DUPLEX AFCI RECEPTACLE - GFI
- ⓈⓈ<sub>WP/GFI</sub> DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⓈⓈ<sub>SD</sub> SMOKE DETECTOR - WIRED IN SERIES
- ⓈⓈ<sub>EF</sub> EXHAUST FAN MOTOR
- ⓈⓈ<sub>CO</sub> CO DETECTOR
- ⓈⓈ<sub>DC</sub> DOOR CHIME
- ⓈⓈ<sub>LM</sub> LIGHT FIXTURE - WALL MOUNTED
- ⓈⓈ<sub>CM</sub> LIGHT FIXTURE - CEILING MOUNTED
- ⓈⓈ<sub>LSM</sub> LIGHT FIXTURE - LED SURFACE MOUNTED
- ⓈⓈ<sub>LED</sub> LED
- ⓈⓈ<sub>P</sub> FULLCHAIN LAMPHOLDER
- ⓈⓈ<sub>K</sub> 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. 1**  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0198.dwg DATE: 6/5/2024 11:13 AM

UPDATED DATE  
04-26-2024

MASTER PLAN INFORMATION  
DATE 07-10-2023  
REVISION 2-RALE

DRAWN BY: ITS  
DATE: 06/05/2024  
PLAN NO. 1995



HOUSE NAME: MERLOT  
DRAWING TITLE: SECOND FLOOR ELECTRICAL

SHEET No. 1.2



SEAL

DRAWN BY:  
L. BEAVERS  
DATE: 9/1/22  
PLAN NO.  
11 X 17 SCALE  
24 X 36 SCALE



HOUSE NAME:  
DRAWING TITLE  
RALE TILE SHOWER DETAIL

SHEET No.  
01.12



RALE TILE SHOWER SECTION B  
SCALE: 1/2" = 1'-0"



RALE TILE SHOWER SECTION C  
SCALE: 1/2" = 1'-0"

CONNECTION SPECIFICATIONS (TYP. U.N.O.)

Table with 3 columns: DESCRIPTION OF BLDG. ELEMENT, 3"x0.131" NAILS, 3"x0.120" NAILS. Rows include JOIST TO SOLE PLATE, SOLE PLATE TO JOIST/BLK'G, STUD TO SOLE PLATE, etc.

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO: FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS.

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:

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.

REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.

EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFP OR 5/8" STUD GRADE LUMBER, OR BETTER, U.N.O.

ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPPF) OR SOUTHERN PINE #2 (SPF) 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. U.N.O.) 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=155x10^6 psi. LVL - Fb=2600 psi; Fv=285 psi; E=2.0x10^6 psi. PSL - Fb=2400 psi; Fv=240 psi; E=2.0x10^6 psi.

MK SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO MK FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS 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.

FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS 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.

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, U.N.O..

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 BC52-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT MK FOR MARBLE FLOOR DESIGNS) AT I-JOIST FLOORS, PROVIDE 1/8" MIN. OSB RIM BOARD. METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.

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. 16 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.

ROOF FRAMING

BAY WINDOWS & SHED ROOFS (IF TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.

FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H25T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H25T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.

METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.

ERECT AND INSTALL ROOF TRUSSES PER WTCA & TP1'S BC51 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

Table with 2 columns: SYMBOL, SPECIFICATION. Rows include HD-1 SIMPSON HTT4 HOLD-DOWN, HD-2 SIMPSON MSTC66 STRAP TIE, HD-3 SIMPSON STDH14/4RJ HOLD-DOWN.

ALTERNATIVE TO STDH24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN 3/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF FOUNDATION.

VEENER LINTEL SCHEDULE

Table with 3 columns: SPAN (MAX), HEIGHT OF VEENER ABOVE LINTEL, STEEL ANGLE SIZE. Rows include 3'-0", 6'-0", 8'-0", 9'-6", 16'-0" spans.

ALL LINTELS: - SHALL SUPPORT 2 3/4" - 3 1/2" VEENER W/ 40 PPH MAXIMUM HEIGHT. - 1/2" SHALL HAVE 4" MIN BEARING. - 1/2" SHALL HAVE 6" MIN BEARING. - 1/2" SHALL NOT BE FASTENED BACK TO HEADER. - 1/2" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2 LONG VERTICALLY SLOTTED HOLES. - MAX VEENER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING. - ALL LINTELS SHALL BE LONG LEAD VERTICAL. - WHEN SUPPORTING VEENER < 9" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEAD MAY BE CUT IN THE FIELD TO BE 3 1/2" WIDE OVER THE BEARING LENGTH ONLY THIS IS TO ALLOW FOR MORTAR JOINT FINISHING. - SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. - FOR GREEN VEENER USE L4x6x1/2". - FOR 3/2" VEENER ONLY SEE PLAN FOR VEENER SUPPORT IF VEENER < 3/2" THICK.

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND 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. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & 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. U.N.O.

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 (1/2" 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 (1/2" 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, U.N.O.

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 SHEARWALL OR 3" O.C. OSB SHEARWALL.

INDICATES HOLDDOWN BELOW

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 FIND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING: 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 1" 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. SFP OR 5/8" STUD GRADE OR BETTER.

CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:

f'c = 4,000 psi: FOUNDATION WALLS 2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE 3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE fy = 60,000 psi

BASEMENT FOUNDATION WALL DESIGN BASED ON: 9' OR 10' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED. - NOMINAL WIDTH (4 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, U.N.O. 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 (Fm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530J.

CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.

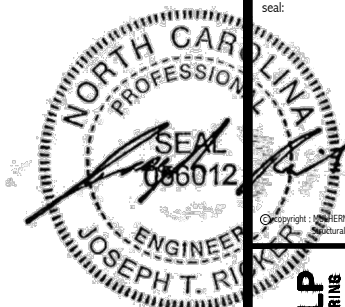
PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRANL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.

PROVIDE 2x6 P.T. PLATE ON INTERIOR CRANL 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.

SD2.I REFERS TO SD2.IA FOR LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC FOR STEEL BEAMS



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M&K project number: 126-22076

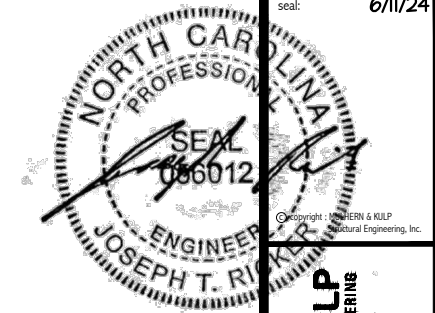
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REVISIONS: date: initial:



STRUCTURAL NOTES FARM AT NEIL'S CREEK LOT 198 - MERLOT 1 RALEIGH, NC

sheet: S0.0



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M&K project number:  
126-22076

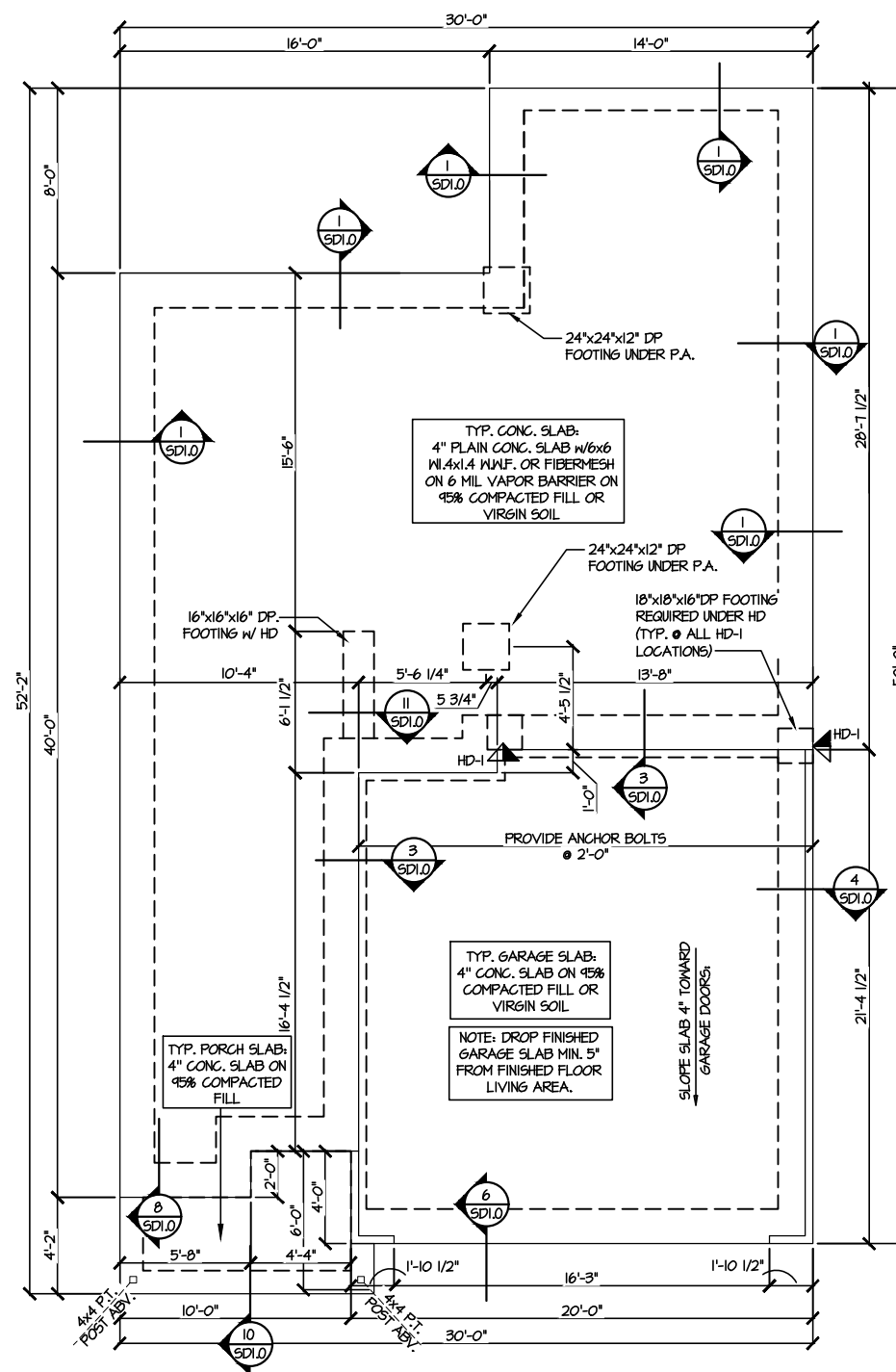
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:



FOUNDATION PLANS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

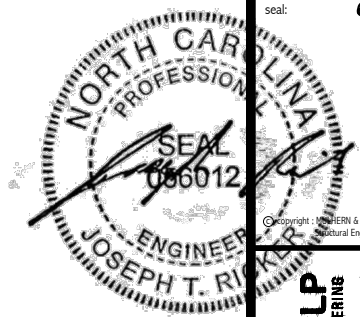
sheet:  
**S1.0**



**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
JL	METAL HANGER
	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
	INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO 50.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES



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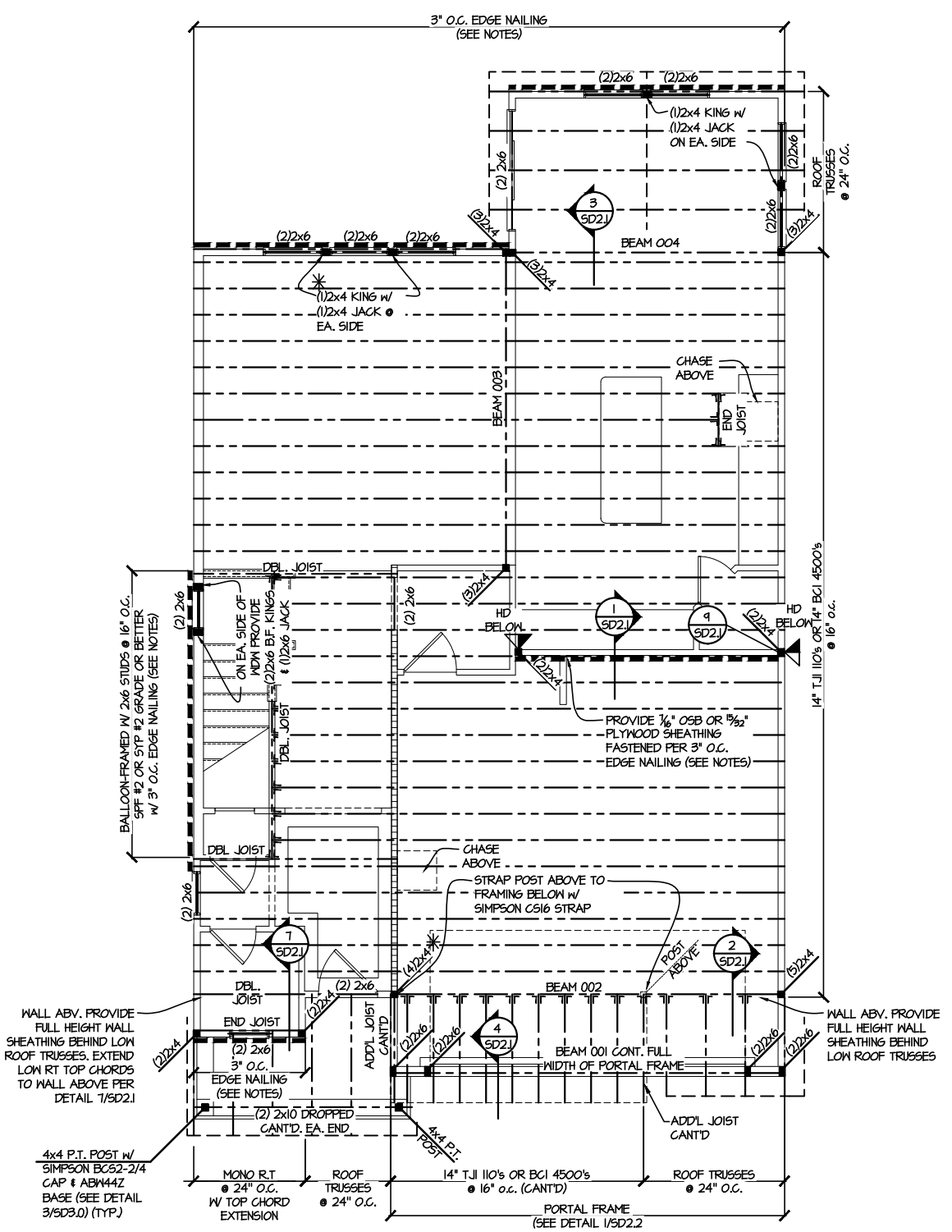
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126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:



FLOOR FRAMING PLANS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

sheet:  
**S2.0**



SD2.1 REFERS TO SD2.1A FOR LVL/PSL/LSL BEAMS OR SD2.1B FOR FLITCH BEAMS OR SD2.1C FOR STEEL BEAMS

**LEGEND**

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

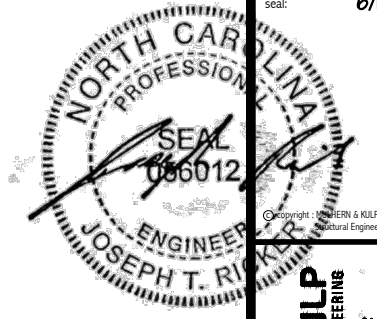
REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

**ENGINEERED BEAM MATERIAL SCHEDULE**

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4" x 11 1/8" - H	3 1/2" x 11 1/8" - H	(3) 3/4" x 11 1/8" - H	(3) 2x12 + (2) 1/2" x 11 1/8" STEEL FLITCH PLATES - H	N/A
002	(4) 3/4" x 14" - F	7" x 14" - F	(5) 3/4" x 14" - F	(4) 2x12 + (3) 1/2" x 14" STEEL FLITCH PLATES - FB	W12x19 - F
003	(2) 3/4" x 14" - D	3 1/2" x 14" - D	(3) 3/4" x 14" - D	(3) 2x12 + (2) 3/4" x 14" STEEL FLITCH PLATES - D	W8x18 - D
004	(2) 3/4" x 14" - F	3 1/2" x 14" - F	(3) 3/4" x 14" - F	(2) 2x12 + (1) 1/2" x 14" STEEL FLITCH PLATES - FB	W12x14 - F
005	(2) 3/4" x 16" - H	3 1/2" x 16" - H	(3) 3/4" x 16" - H	(3) 2x12 + (2) 1/2" x 16" STEEL FLITCH PLATES - H	N/A
006	(2) 3/4" x 14" - D	3 1/2" x 14" - D	(2) 3/4" x 14" - D	(2) 2x12 + (1) 1/2" x 14" 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.

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



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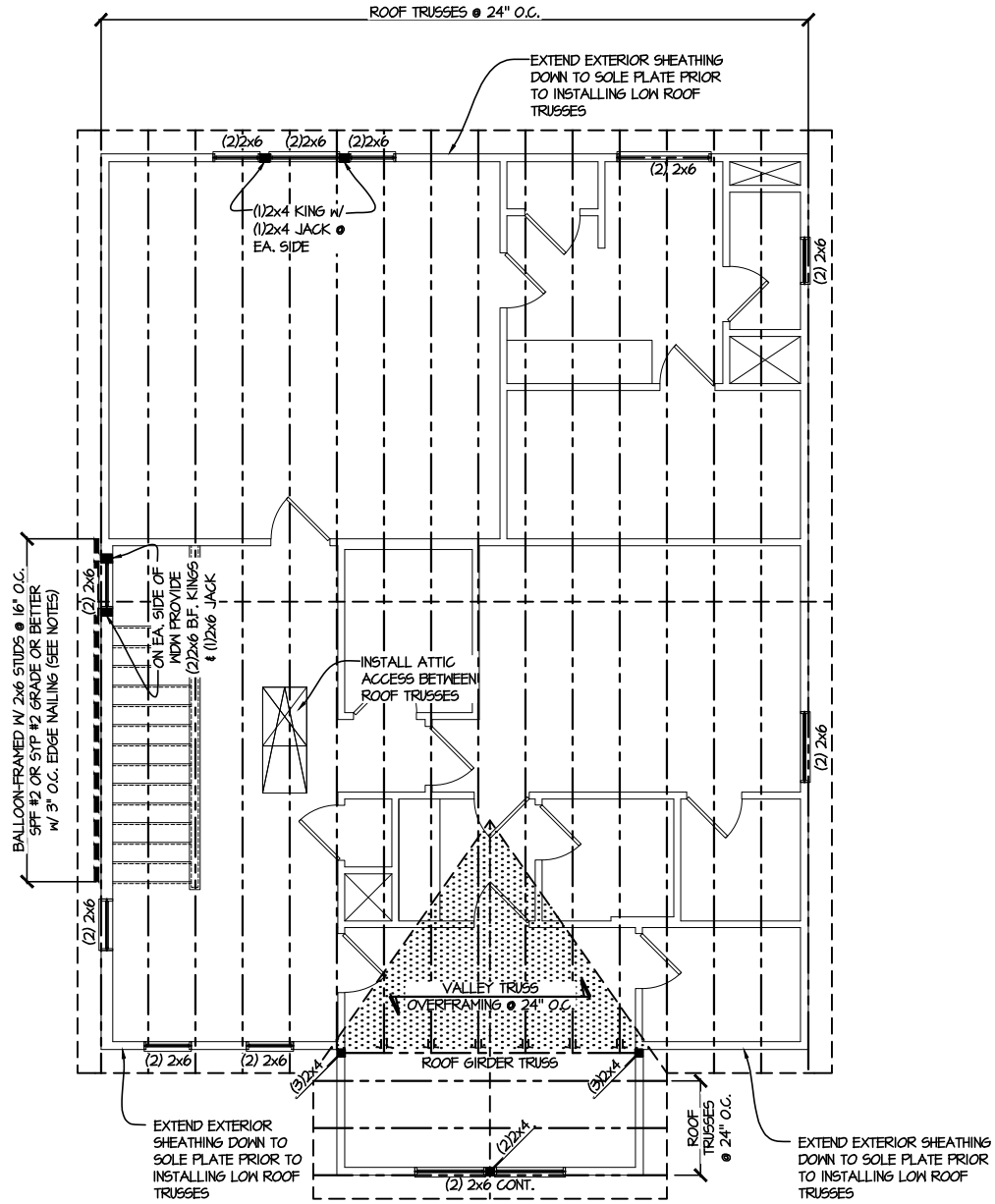
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ROOF FRAMING PLANS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

sheet:

**S3.0**

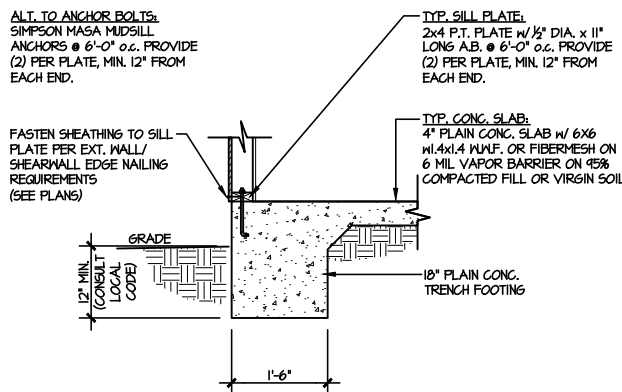


**1 ROOF FRAMING PLAN**  
SCALE: 1/8"=1'-0"

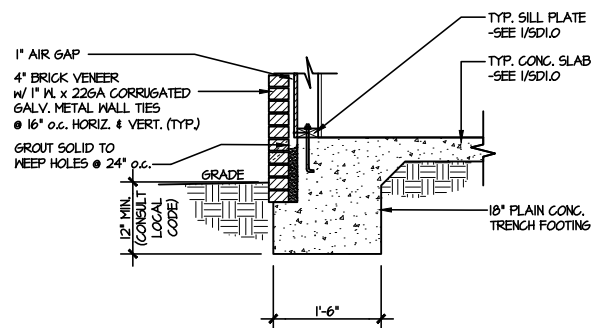
LEGEND	
	INTERIOR BEARING WALL
	BEARING WALL ABOVE
	BEAM / HEADER
	INDICATES SHEAR WALL & EXTENT
	EXTENT OF OVERFRAMING
	JL METAL HANGER
	* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
	INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES

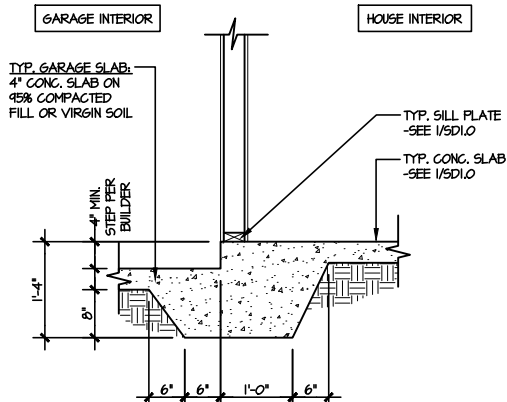




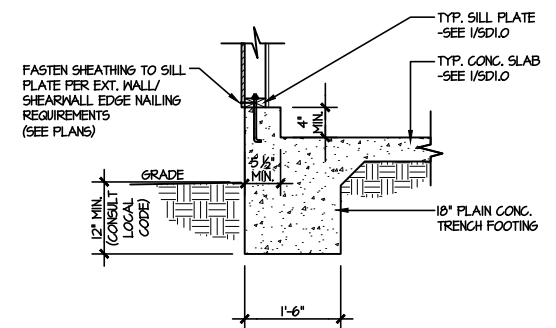
**1** TYPICAL SLAB ON GRADE  
PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



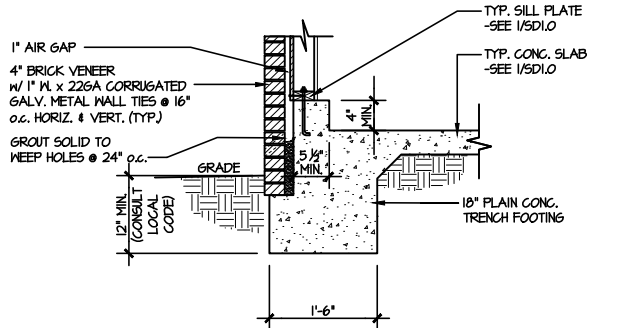
**2** TYPICAL SLAB ON GRADE  
PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



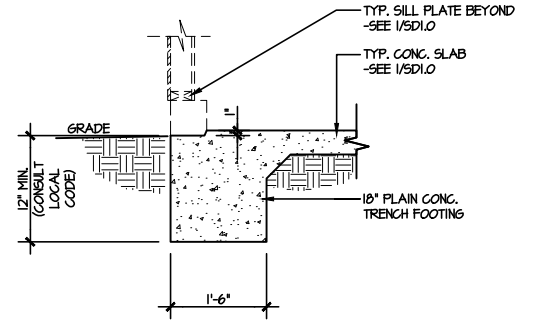
**3** TYPICAL MONOLITHIC INTERIOR  
GARAGE FOOTING  
SCALE: 3/8"=1'-0"



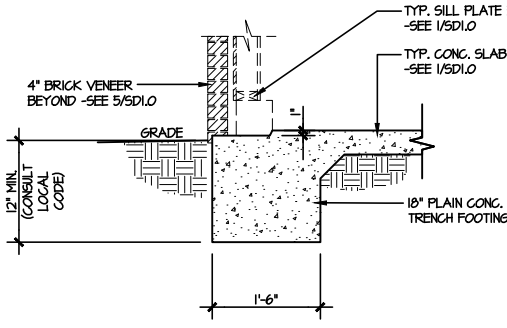
**4** TYPICAL SLAB ON GRADE GARAGE  
PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



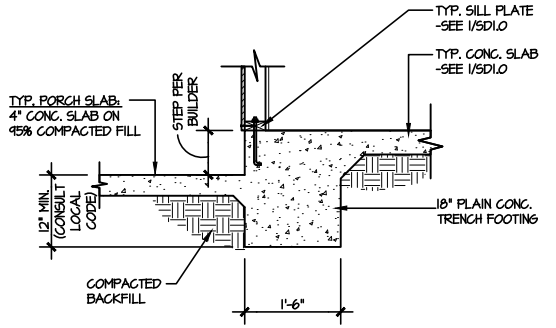
**5** TYPICAL SLAB ON GRADE GARAGE  
PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



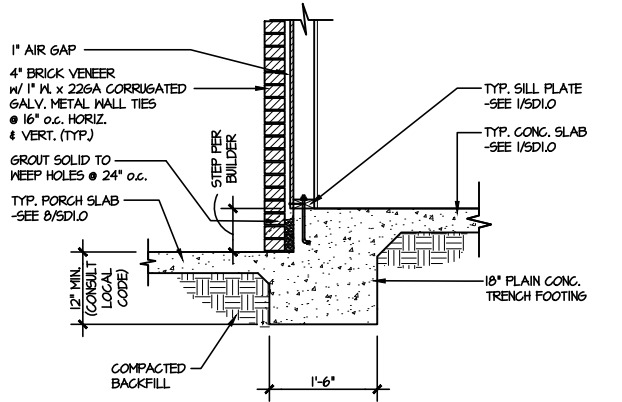
**6** TYPICAL SLAB ON GRADE GARAGE  
ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



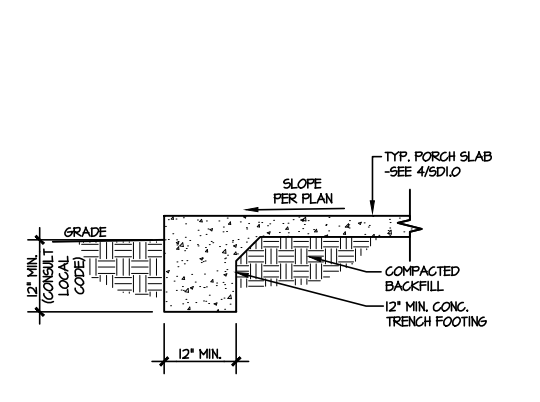
**7** TYPICAL SLAB ON GRADE GARAGE  
ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



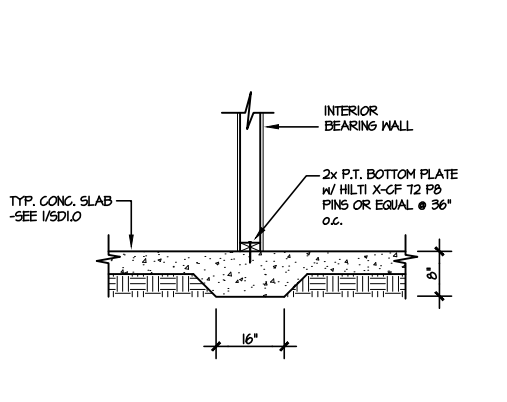
**8** TYPICAL SLAB ON GRADE PERIMETER  
FOOTING @ PORCH/PATIO  
SCALE: 3/8"=1'-0"



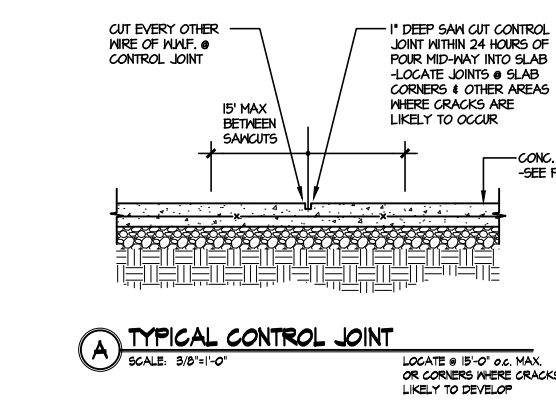
**9** TYPICAL SLAB ON GRADE PERIMETER  
FOOTING @ PORCH/PATIO  
SCALE: 3/8"=1'-0"



**10** TYPICAL FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0"



**11** TYPICAL THICKENED SLAB @  
INTERIOR BEARING WALL  
SCALE: 3/8"=1'-0"

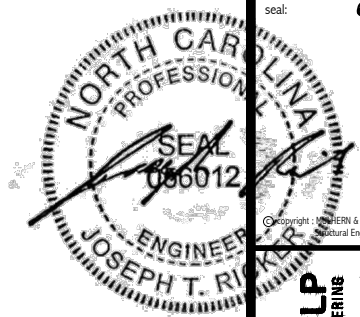


**A** TYPICAL CONTROL JOINT  
SCALE: 3/8"=1'-0"

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.

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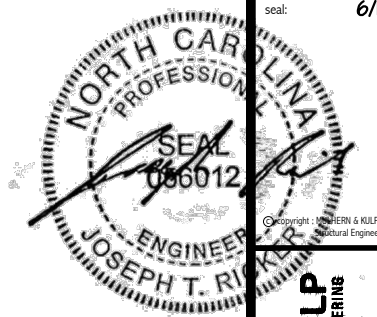
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126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:



FOUNDATION DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

sheet:  
**SD1.0**



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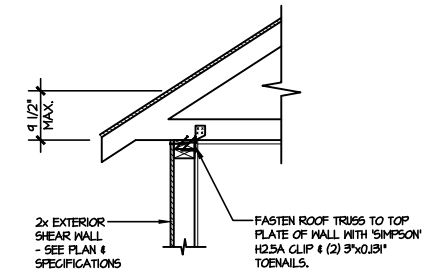
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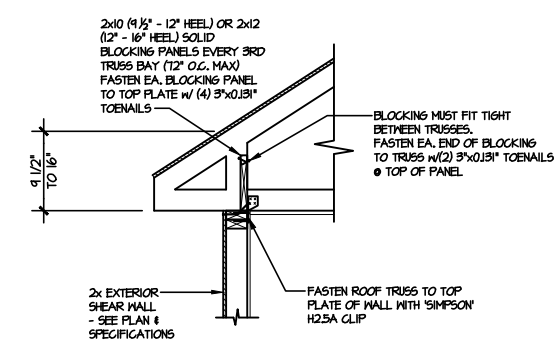
**DRB**  
**HOMES**

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

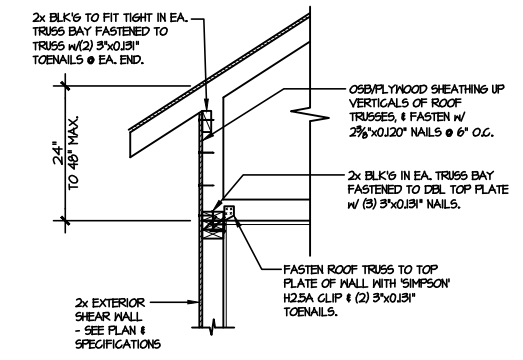
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**SD2.0**



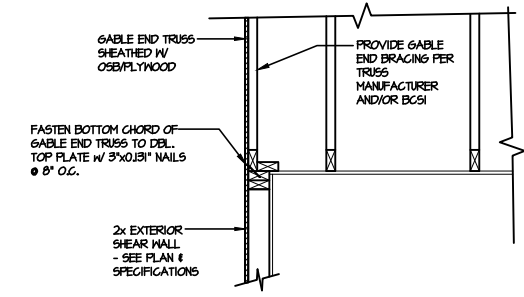
**(A1) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"/>



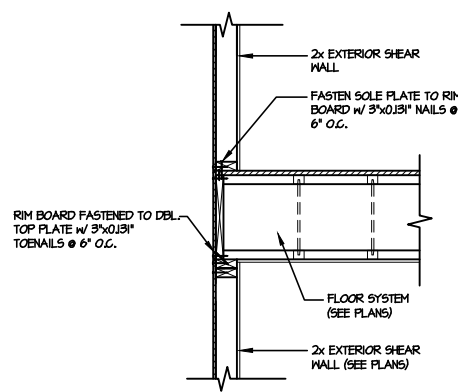
**(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"/>



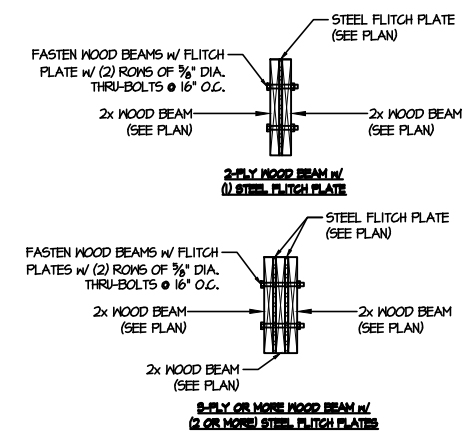
**(A3) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS**  
SCALE: 3/8\"/>



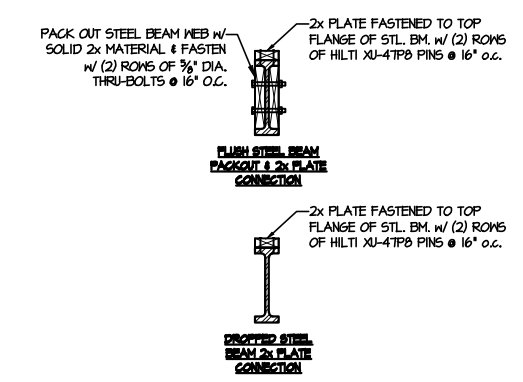
**(B) TYPICAL GABLE END DETAIL**  
SCALE: 3/8\"/>



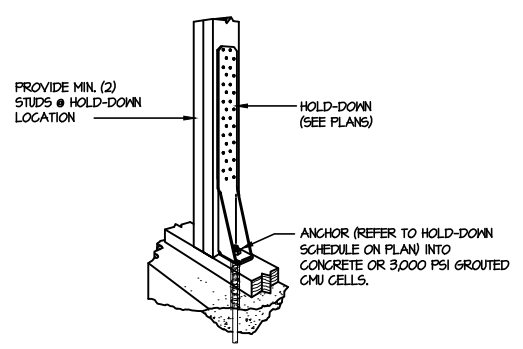
**(C) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8\"/>



**(D) TYPICAL FITCH BEAM CONNECTION DETAIL**  
SCALE: 3/4\"/>



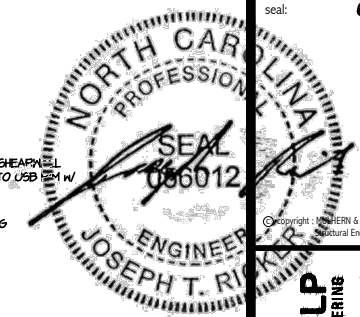
**(E) TYPICAL STEEL BEAM CONNECTION DETAIL**  
SCALE: 3/4\"/>



**(F1) TYPICAL HOLD DOWN INSTALLATION**  
SCALE: N.T.S.

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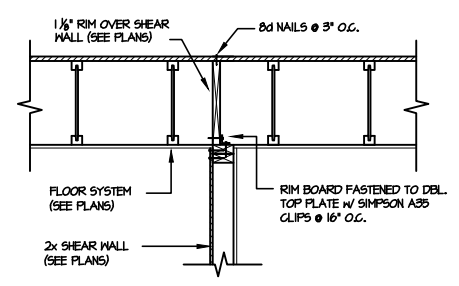


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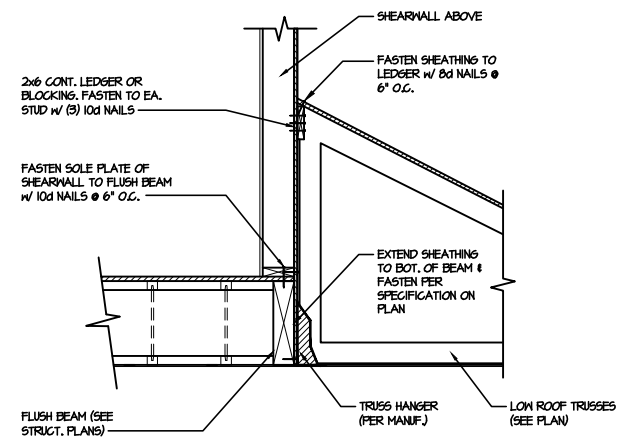
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HOMES

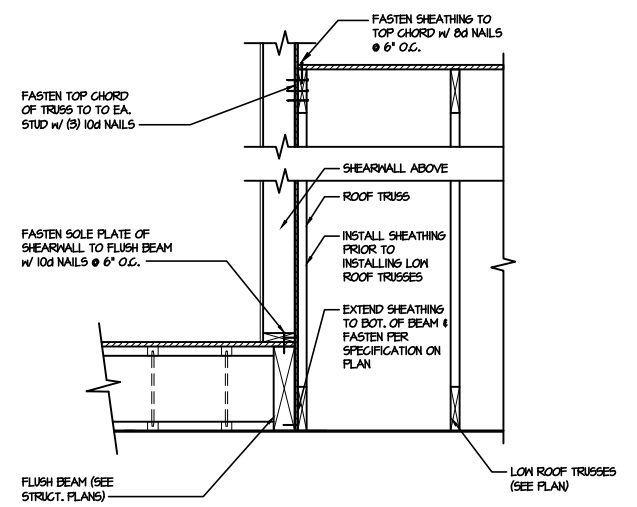
FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC



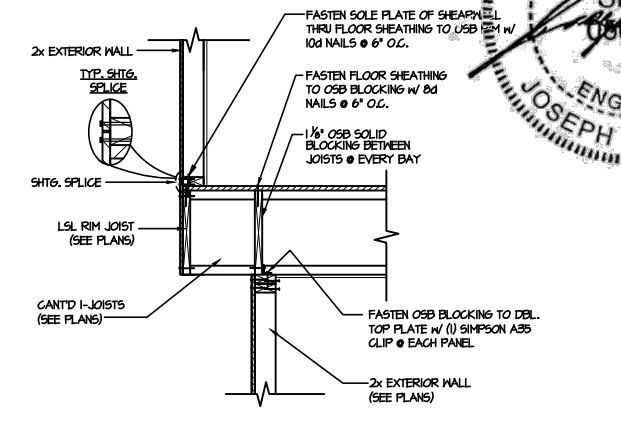
**1** SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING ONLY REVD WHERE NOTED ON PLAN



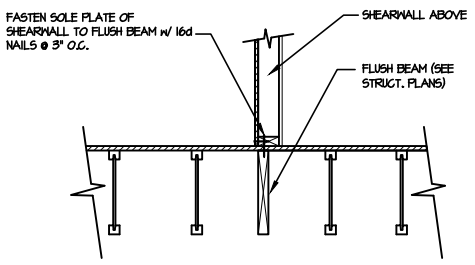
**2** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARNALL ABOVE  
SCALE: 3/4"=1'-0"



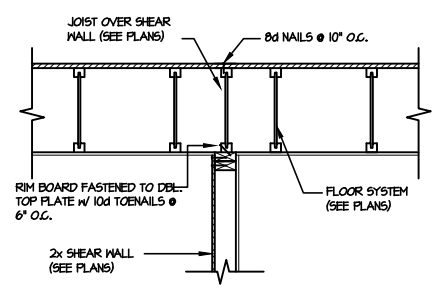
**3** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARNALL ABOVE  
SCALE: 3/4"=1'-0"



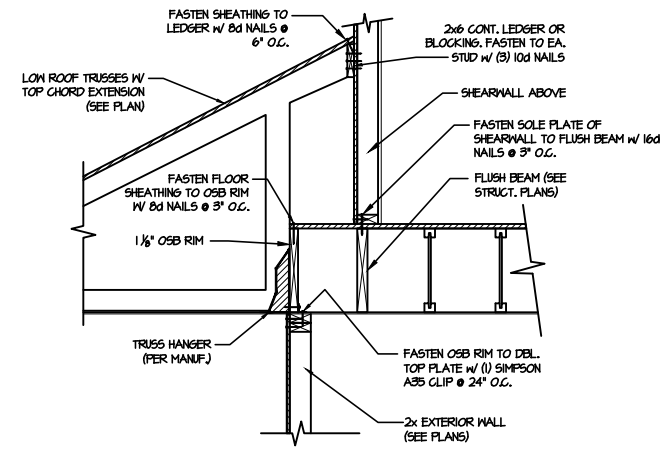
**4** SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



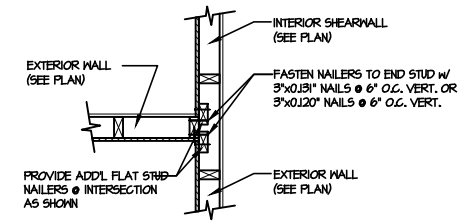
**5** SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



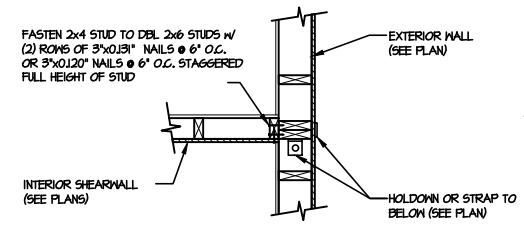
**6** SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING ONLY REVD WHERE NOTED ON PLAN



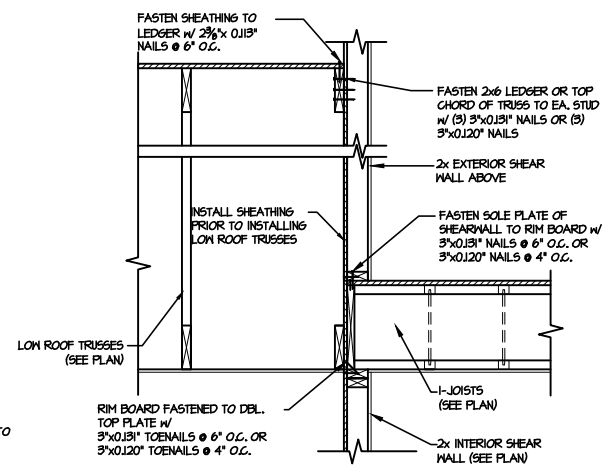
**7** SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



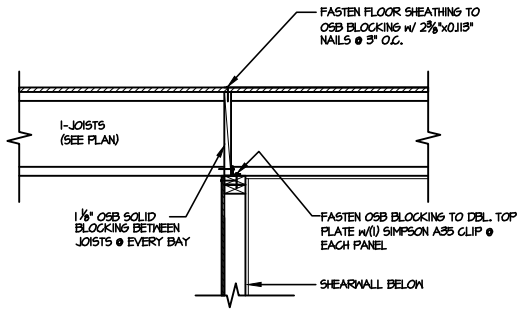
**8** SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHIG. ON SAME PAGE



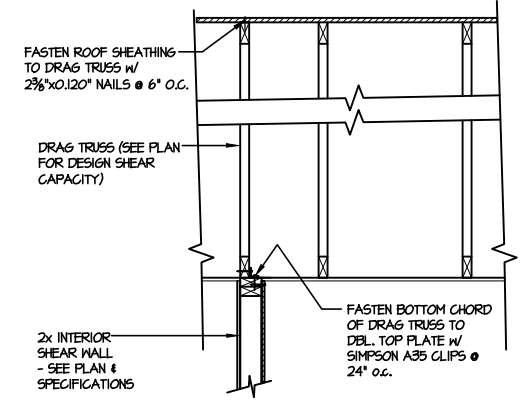
**9** SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: N.T.S.



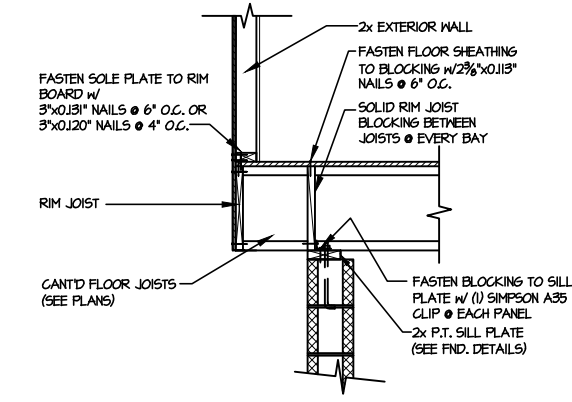
**10** TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



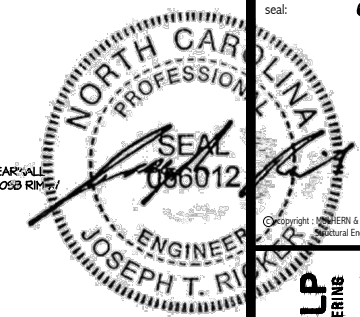
**11** SHEAR TRANSFER DETAIL @ INTERIOR SHEARNALL BELOW  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



**12** INTERIOR DRAG TRUSS DETAIL  
SCALE: 3/4"=1'-0"



**13** SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



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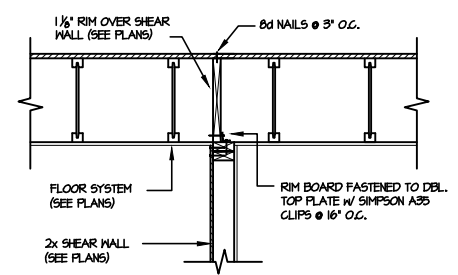


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126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

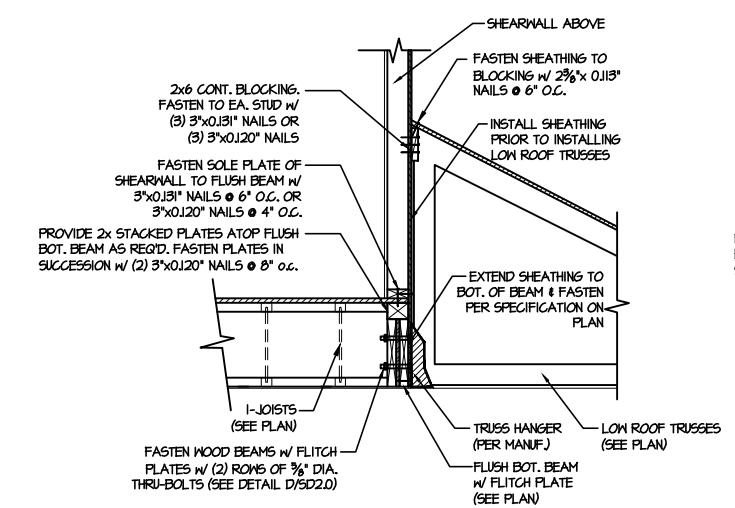
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date: initial:

DRB  
HOMES

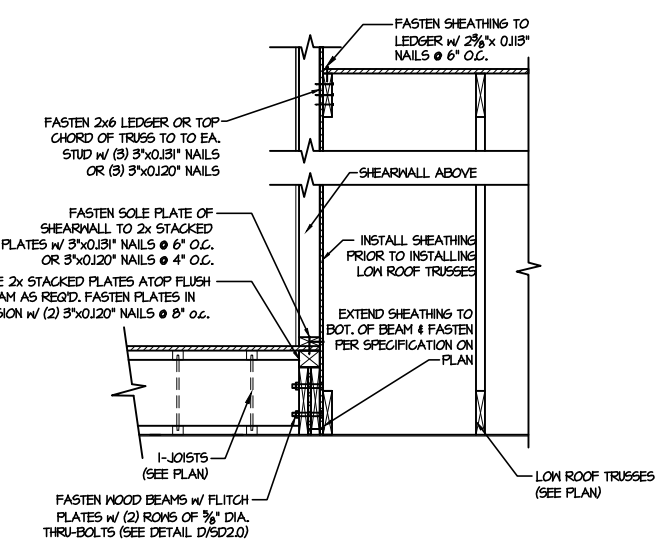
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FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC



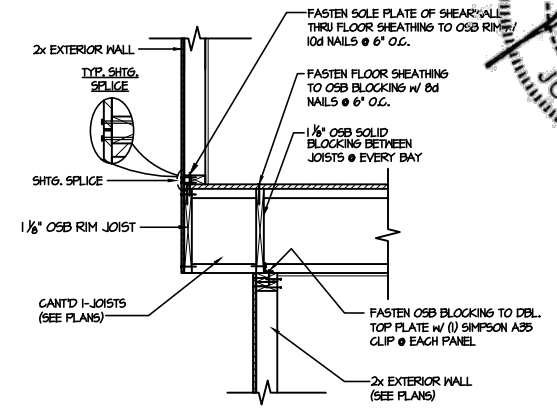
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING ONLY REVD HERE NOTED ON PLAN



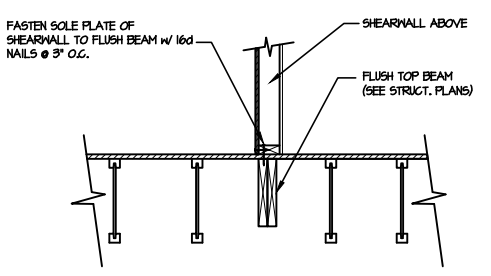
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



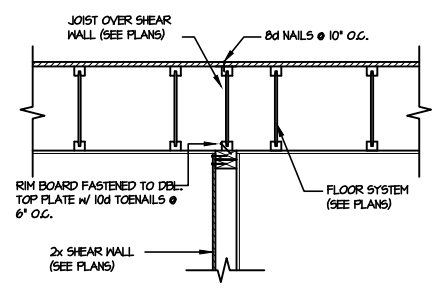
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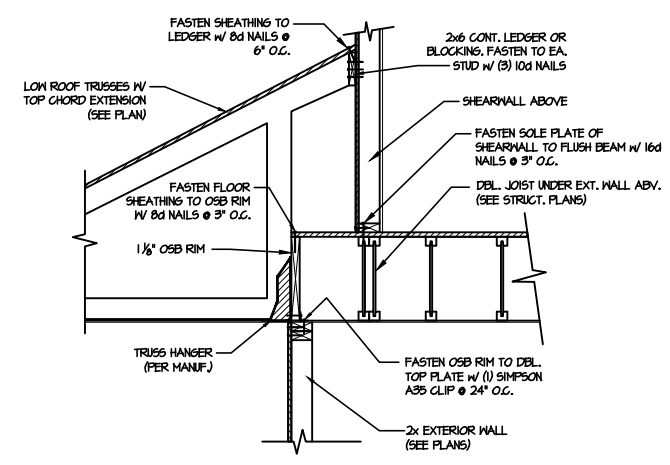
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SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



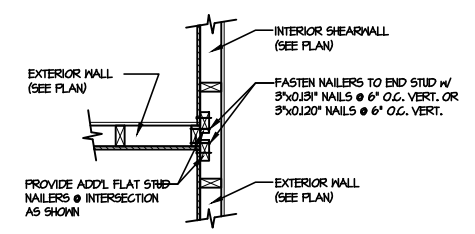
5 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



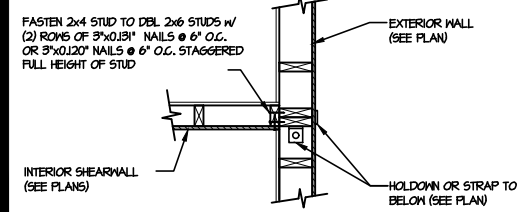
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SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING ONLY REVD HERE NOTED ON PLAN



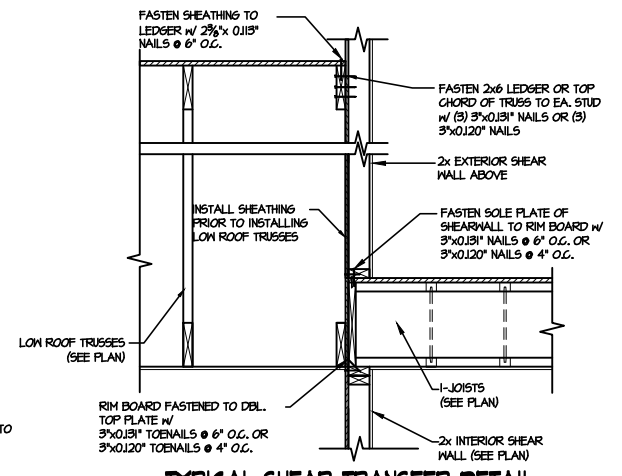
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



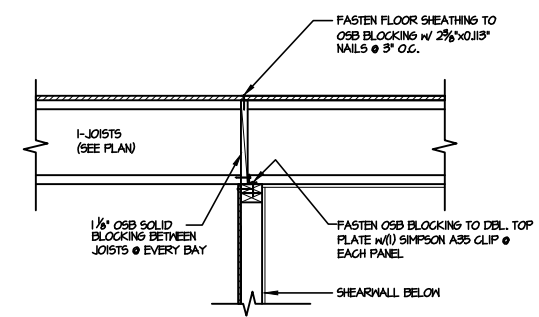
8 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHTG. ON SAME FACE



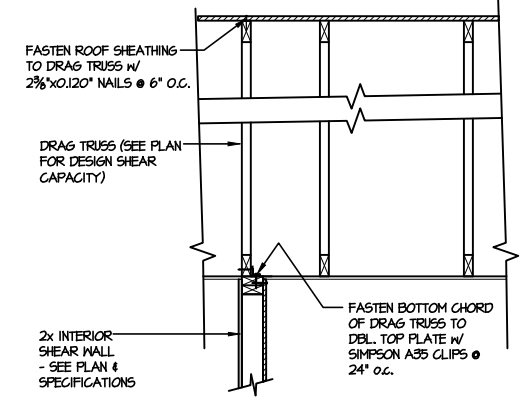
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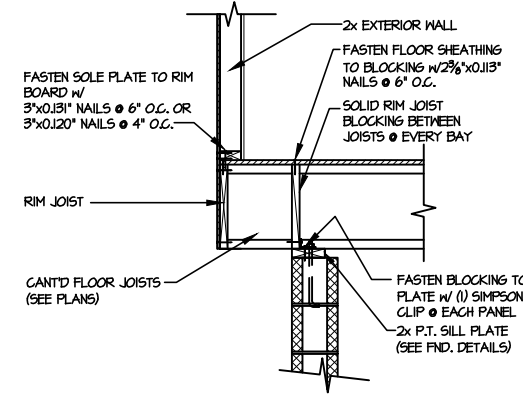
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SCALE: 3/4"=1'-0"



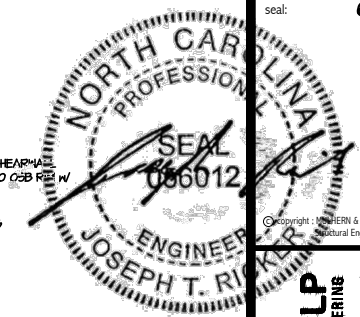
11 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



12 INTERIOR DRAG TRUSS DETAIL  
SCALE: 3/4"=1'-0"



13 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



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3303 Beardslee Ave., Building 4 - Asheville, PA 18007  
P: 718-398-8381 E: mulhern@mkp.com



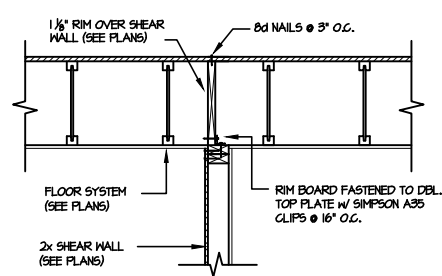
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126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:

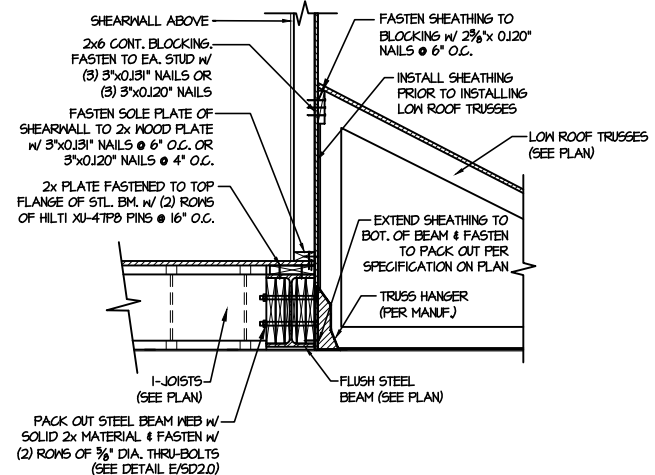
DRB  
HOMES

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

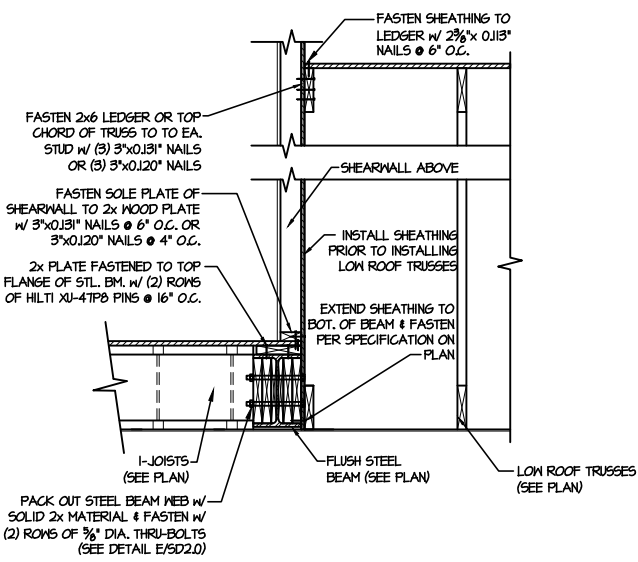
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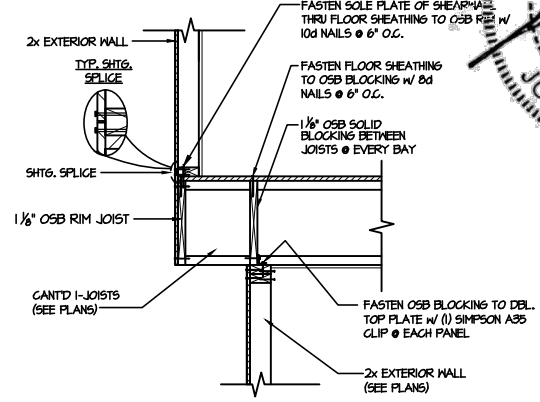
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SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING  
ONLY READ WHERE NOTED ON PLAN



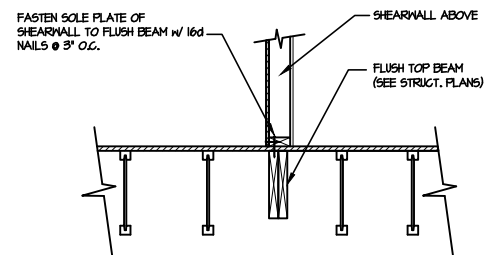
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



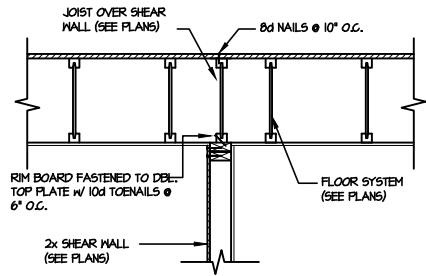
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



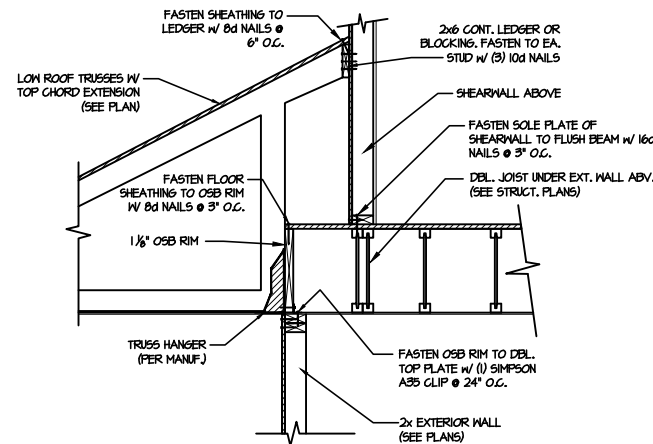
4 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



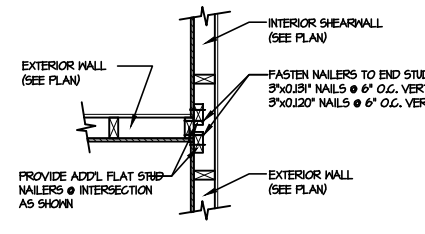
5 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



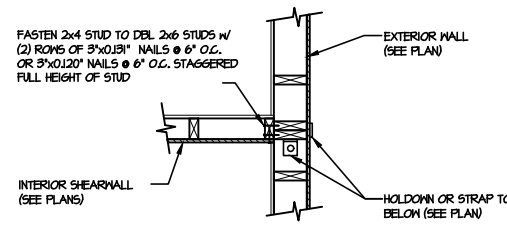
6 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0"  
PARALLEL TO FRAMING  
ONLY READ WHERE NOTED ON PLAN



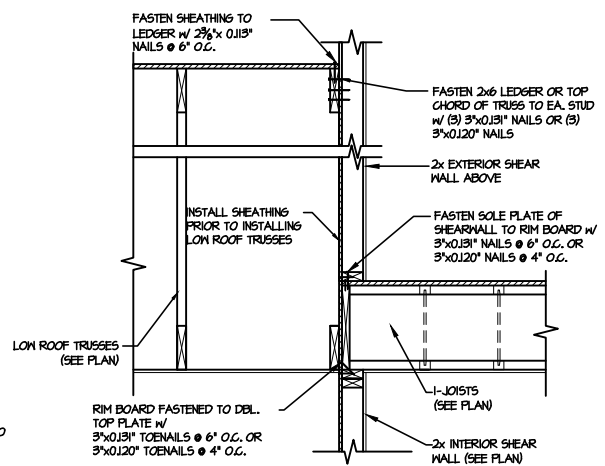
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PARALLEL FRAMING



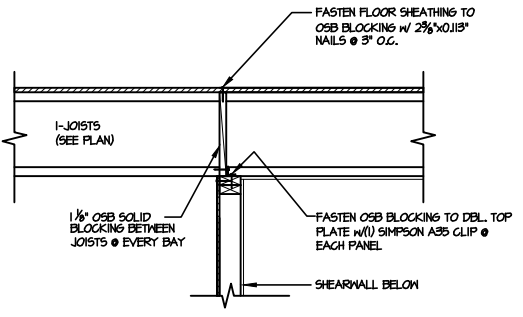
8 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHTG. ON SAME FACE



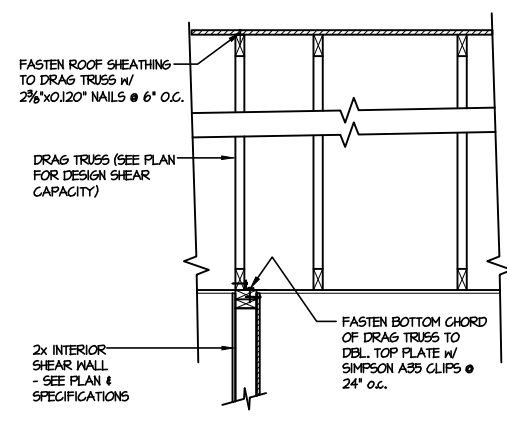
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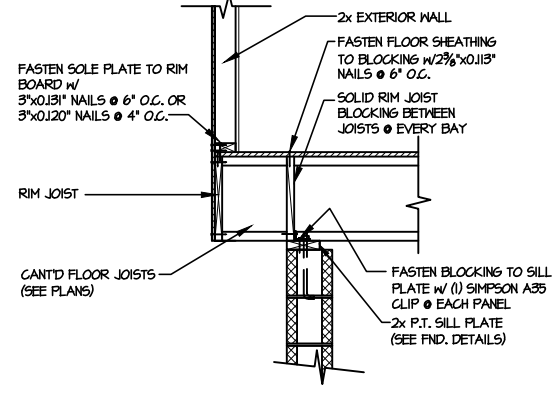
10 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



11 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING

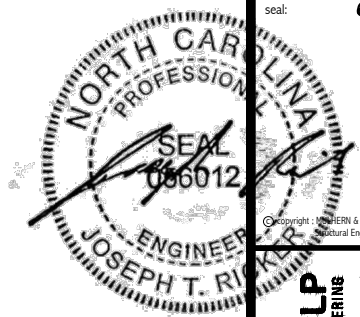


12 INTERIOR DRAG TRUSS DETAIL  
SCALE: 3/4"=1'-0"



13 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"

FILE: RLH - Neil's Creek - Lot 198 - Structural DATE: 6/11/2024 10:52 AM



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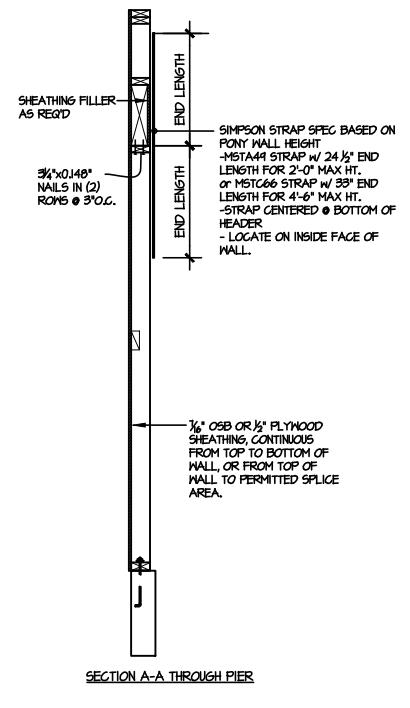
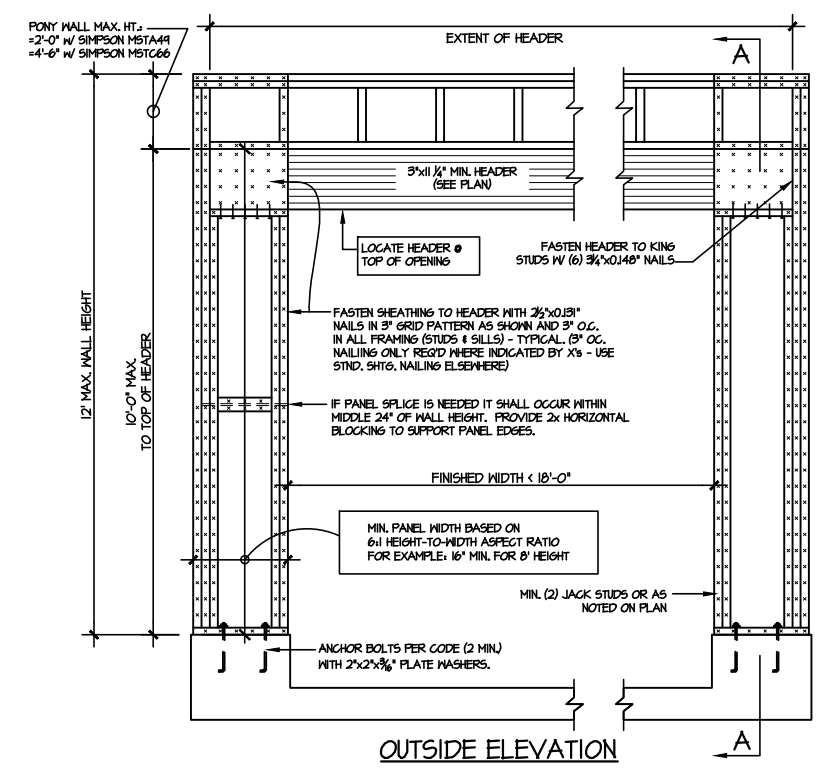
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126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:

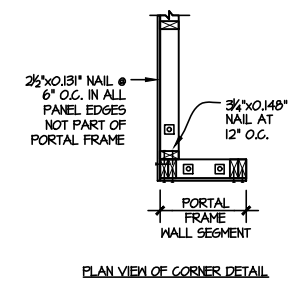
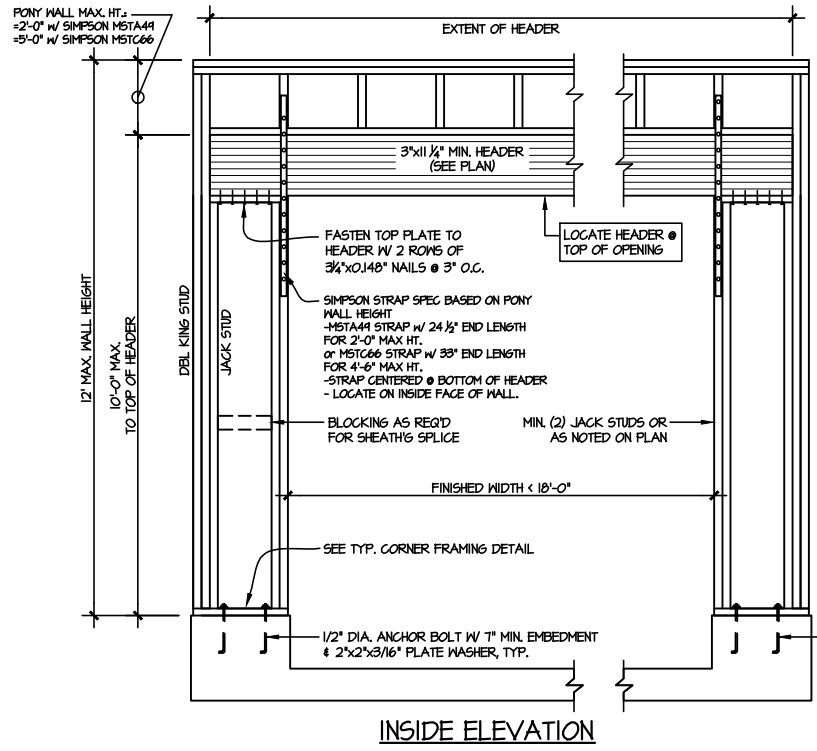


FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC

sheet:  
**SD2.2**

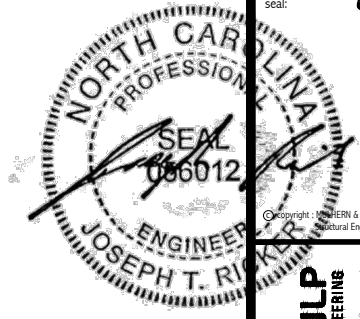


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/2" OSB



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.



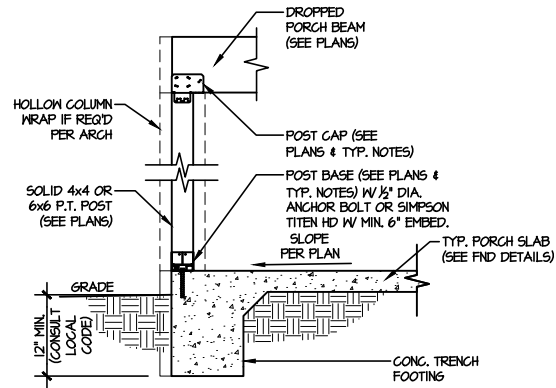
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M&K project number:  
126-22076  
project mgr: JTR  
drawn by: GTK  
issue date: 06-11-24

REVISIONS:  
date: initial:



FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 198 - MERLOT 1  
RALEIGH, NC



**3** TYPICAL PORCH POST CONNECTION DETAIL  
SCALE: NONE SLAB ON GRADE SHOWN (SIM. @ CRAWL & BGMT.)

**General Notes:** \*\* CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION. \*\* ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

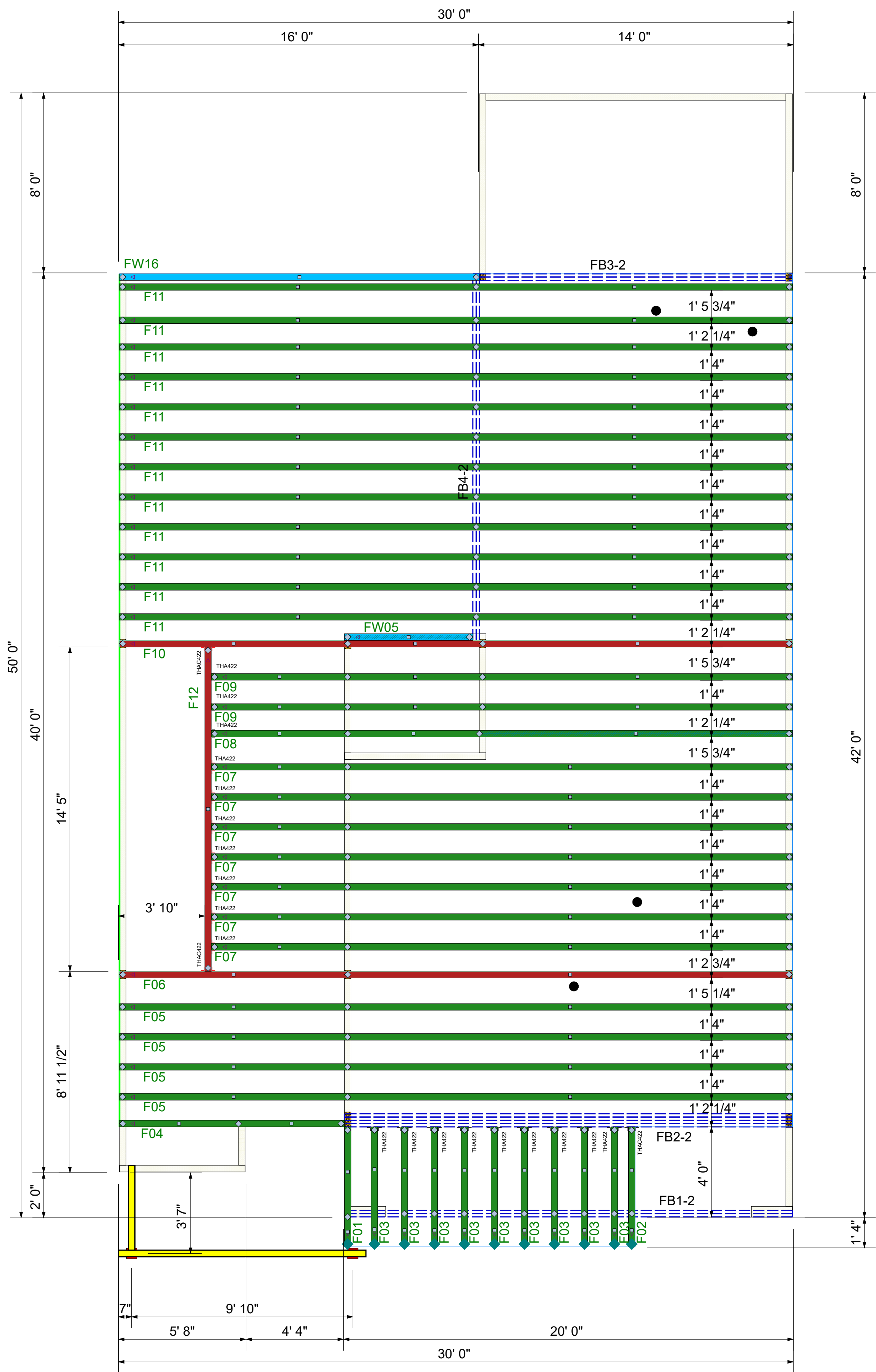
Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

**THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.** These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.



DRB Homes NC LLC  
 198 Farm at Neills  
 Creek-Roof-Merlot 1 RBFX GRH  
**COMPONENT PLAN**

Scale:	NTS
Date:	6/24/2024
Designer:	ND
Project Number:	24060041-A
Sheet Number:	1/1

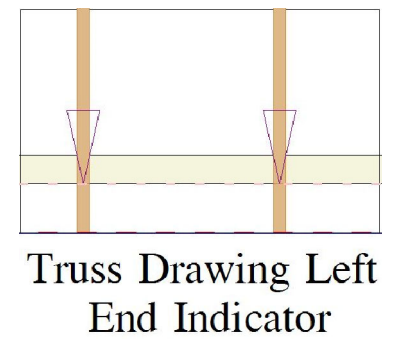


PlotID	Length	Product	Products		
			Plies	Net Qty	Fab Type
FB1-2	20' 0"	2.0 RigidLam DF LVL 1-3/4 x 11-7/8	2	2	FF
FB2-2	20' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	4	4	FF
FB4-2	18' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF
FB3-2	14' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF

Truss Connector Total List		
Manuf	Product	Qty
Simpson	THA422	20
Simpson	THAC422	3

\*\* DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. \*\* TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE. \*\* GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. \*\*

\*\* FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. \*\* DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT. \*\*



\*\*\* TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS. \*\*\* PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES. \*\*\* REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS. \*\*\*

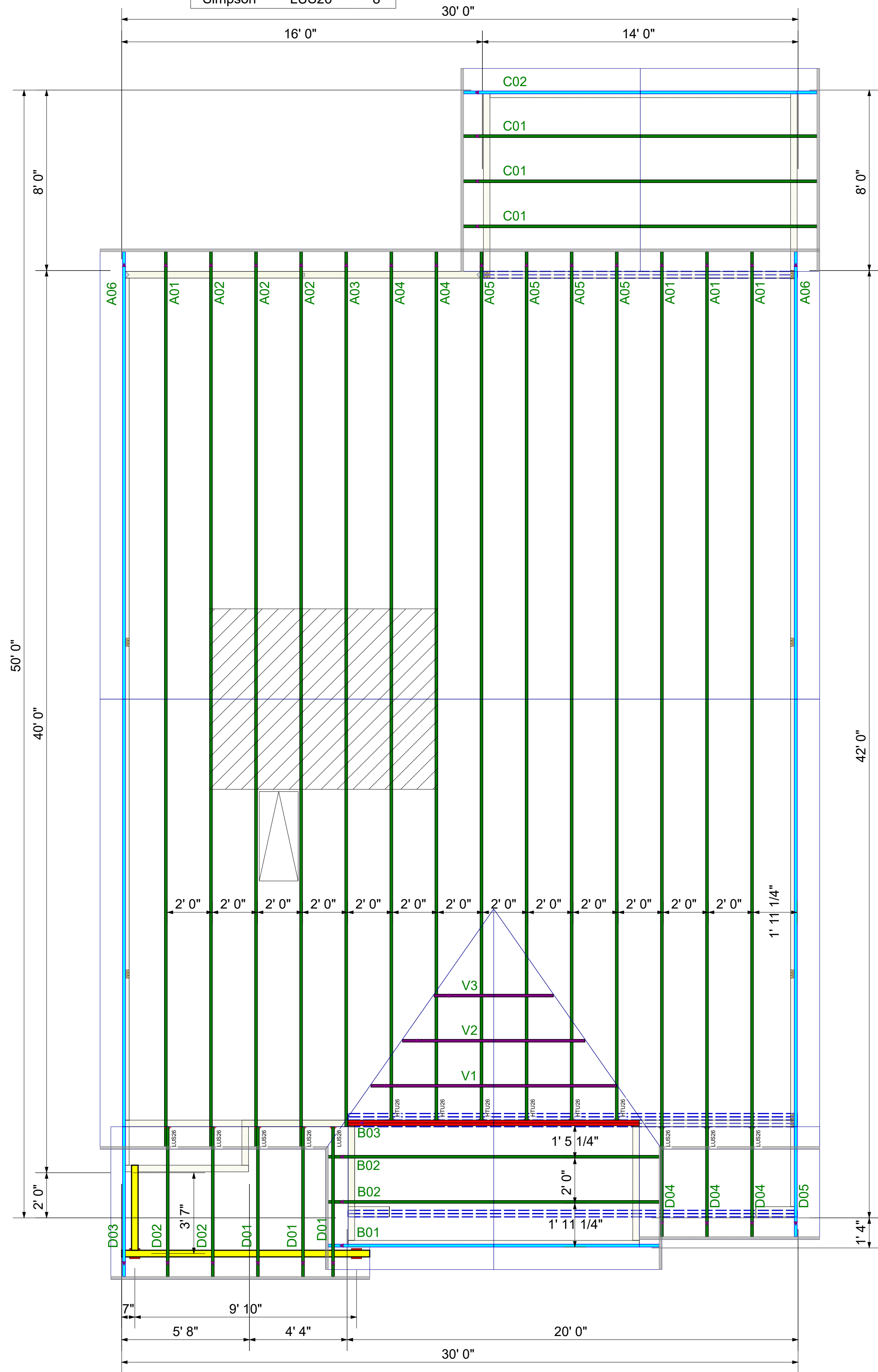


**General Notes:**

\*\* CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

\*\* ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HTU26	6
Simpson	LUS26	8



Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

**THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.** These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.



DRB Homes NC LLC  
 198 Farm at Neills  
 Creek-Roof-Merlot 1 RBFX GRH  
**COMPONENT PLAN**

Scale: NTS  
 Date: 6/24/2024  
 Designer: ND  
 Project Number: 24060041-A  
 Sheet Number:

1/1

\*\* DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. \*\* TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE. \*\* GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. \*\*

\*\* DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT. \*\* FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. \*\* TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS. \*\* PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES. \*\* REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS. \*\*

