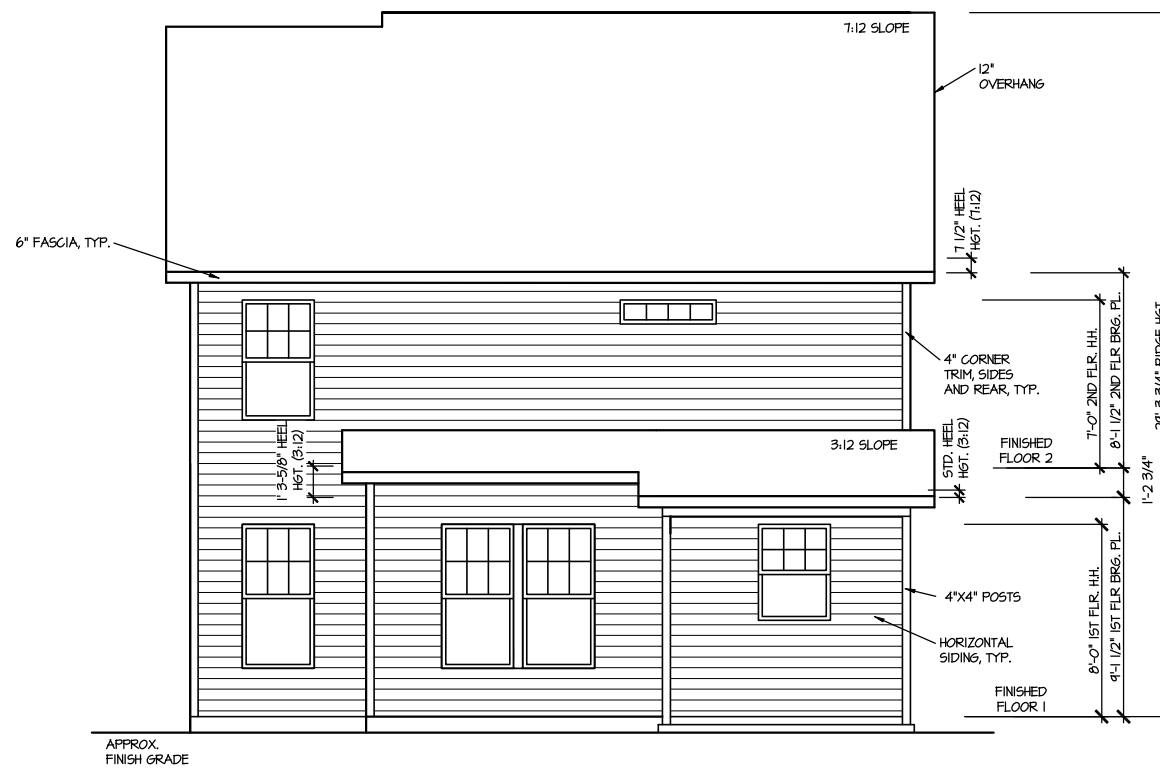


**FRONT ELEVATION I**

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



**REAR ELEVATION I**

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

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

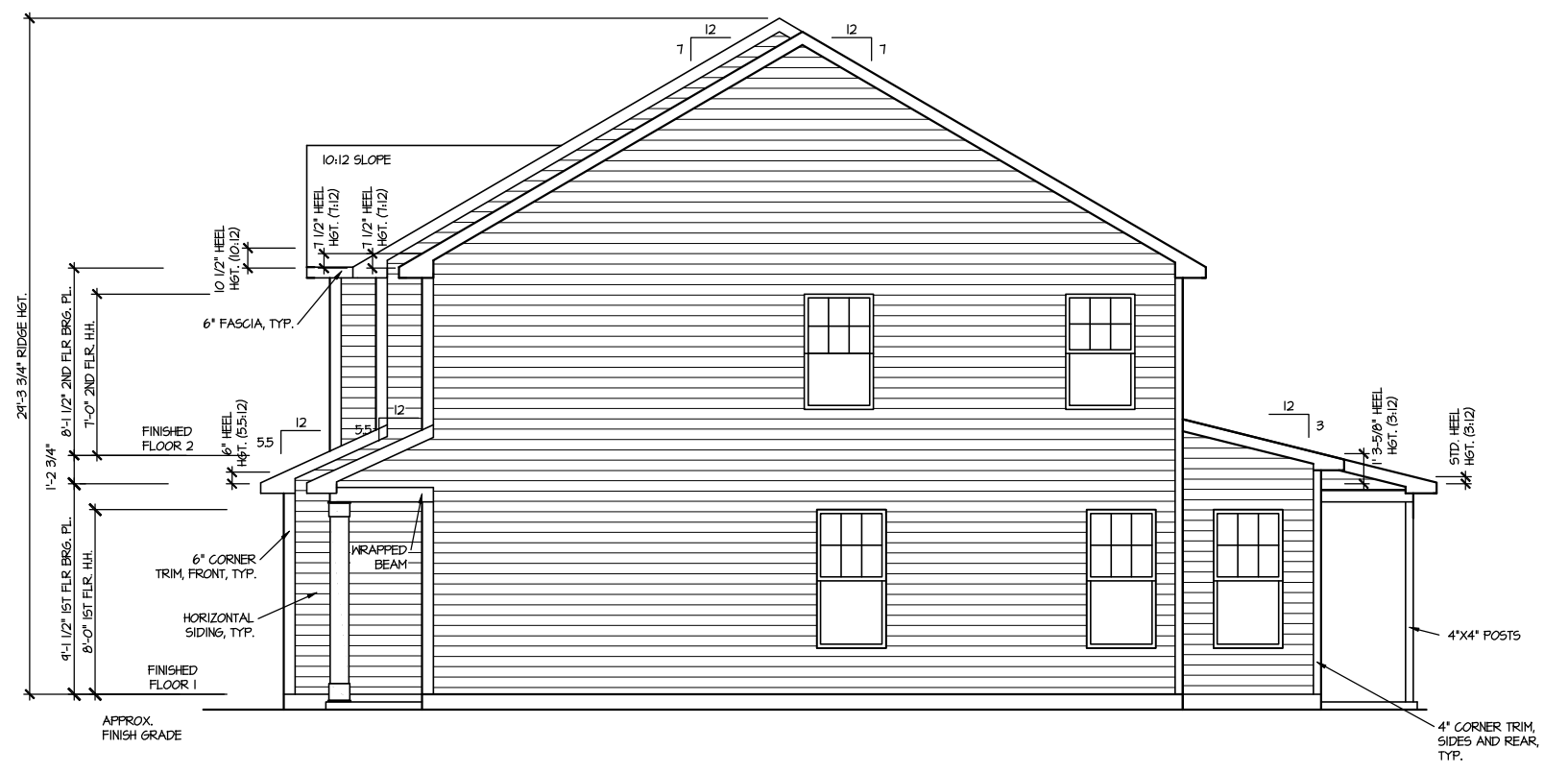
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	08-21-2023
UPDATED DATE	04-26-2024

DRAWN BY:	ITS
DATE:	10/23/2024
PLAN NO.	1760

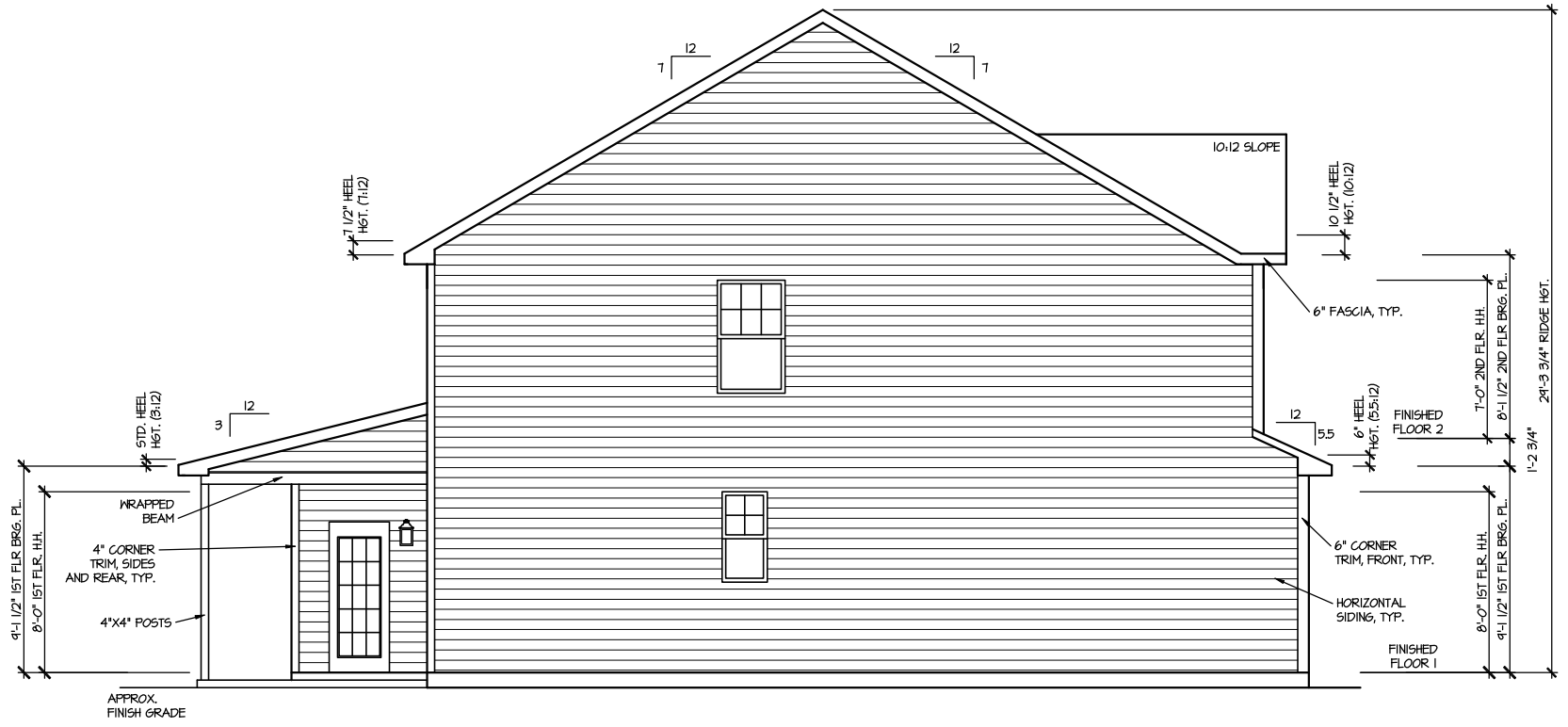


HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**FRONT & REAR ELEVATIONS**

SHEET No.  
**A.1**



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



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

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	08-21-2023
	UPDATED DATE
	04-26-2024

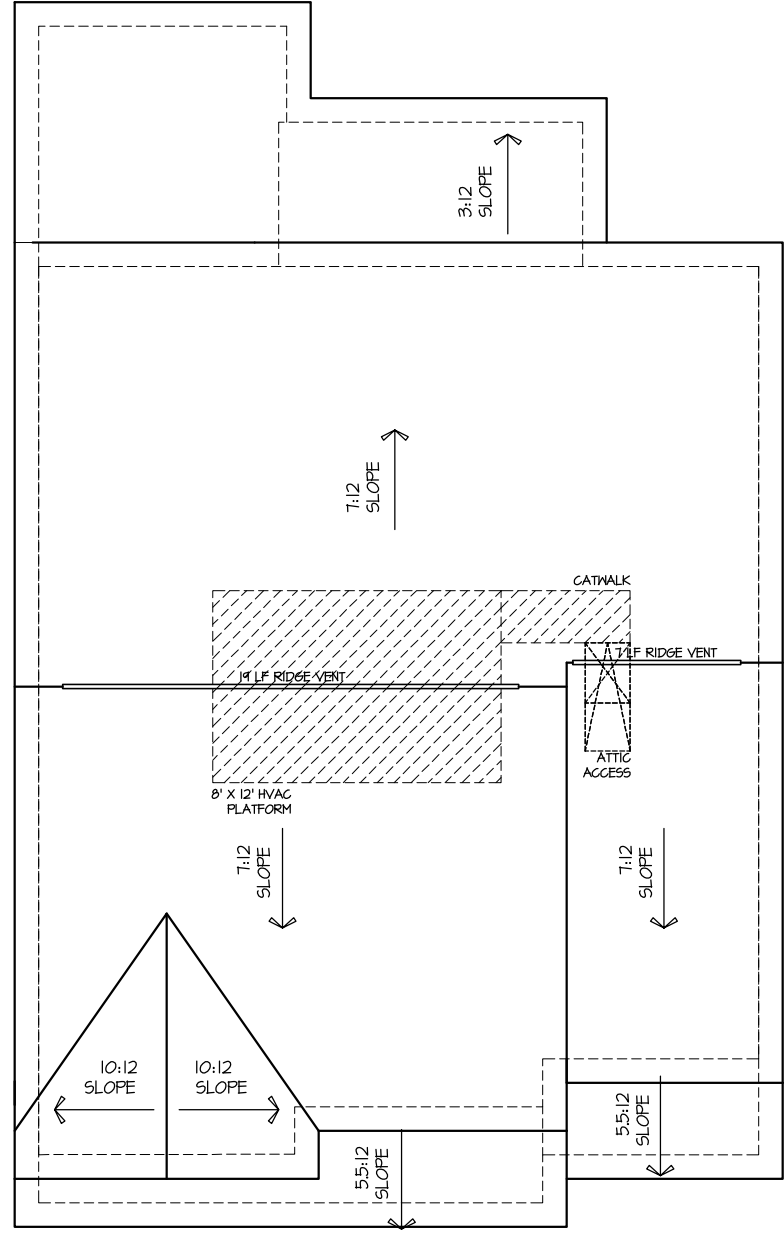
DRAWN BY:	ITS
DATE:	10/23/2024
PLAN NO.	1760



HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**RIGHT & LEFT ELEVATIONS**

SHEET No.  
**A1.2**

UPPER ROOF VENTILATION CALCULATIONS:  
 ROOF AREA = 1324 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 50 = 26.5 SQ. FT.  
 1 TO 300 = 4.41 SQ. FT.  
 50-80% IN TOP THIRD = 2.21 - 3.53 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN. / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN. LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF):**  
 61 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 2.41 SQ. FT.  
**UPPER VENTING (TOP 1/3 ROOF):**  
 30 LINEAR FEET OF RIDGE X 10 SQ. IN. = 3.25 SQ. FT.  
 3.25 SQ. FT. BETWEEN 50% - 80%  
 (1 TO 300 ALLOWED)  
 TOTAL ROOF VENTILATION: 5.66 SQ. FT. > 4.41 SQ. FT. (R01D)



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

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

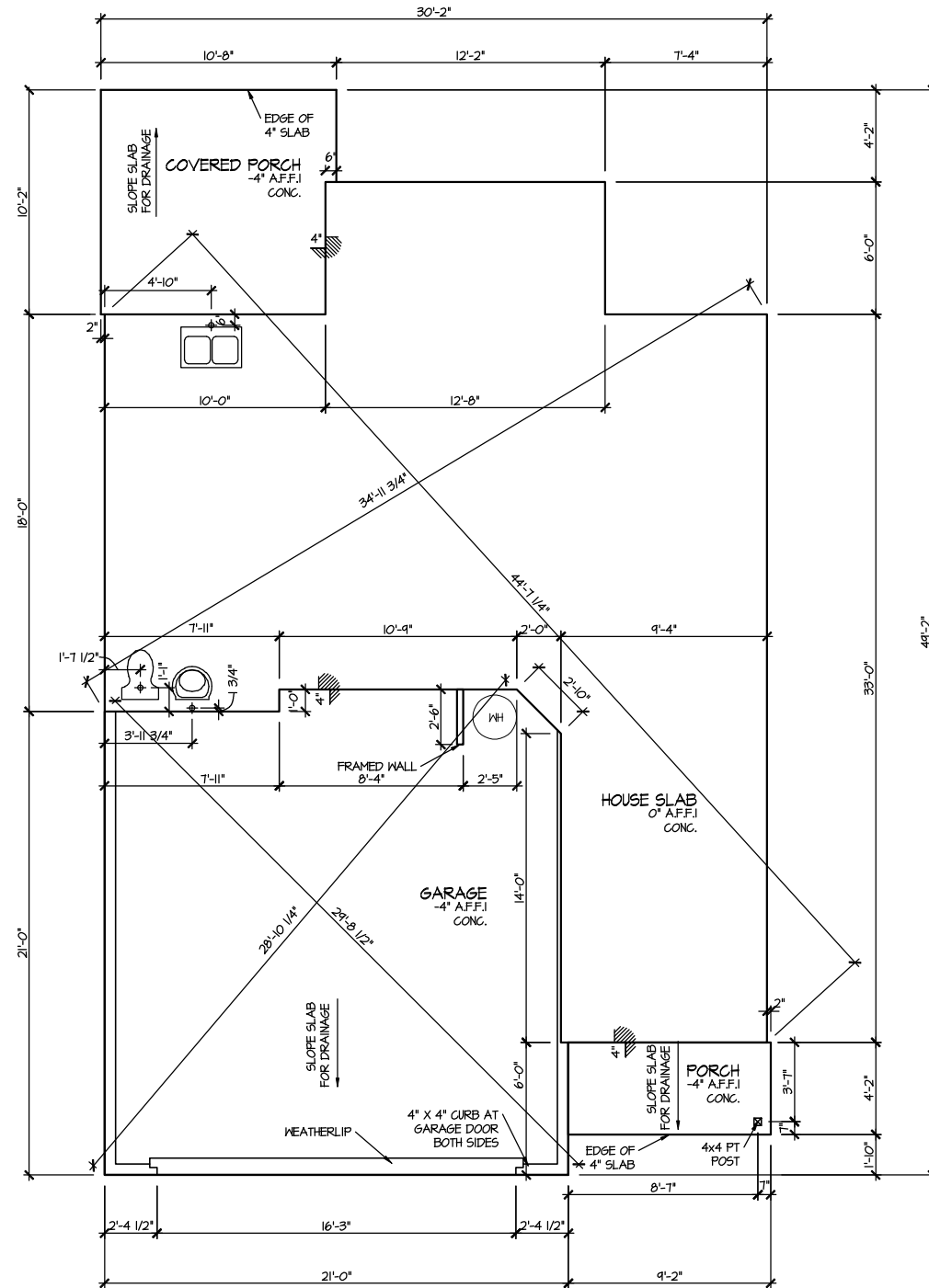
MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	04-26-2024
2-RALE	06-21-2023	

DRAWN BY: ITS  
 DATE: 10/23/2024  
 PLAN NO. 1760



HOUSE NAME: BORDEAUX  
 DRAWING TITLE: ROOF PLAN

SHEET No. A.3



ELEVATION I  
SLAB PLAN

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

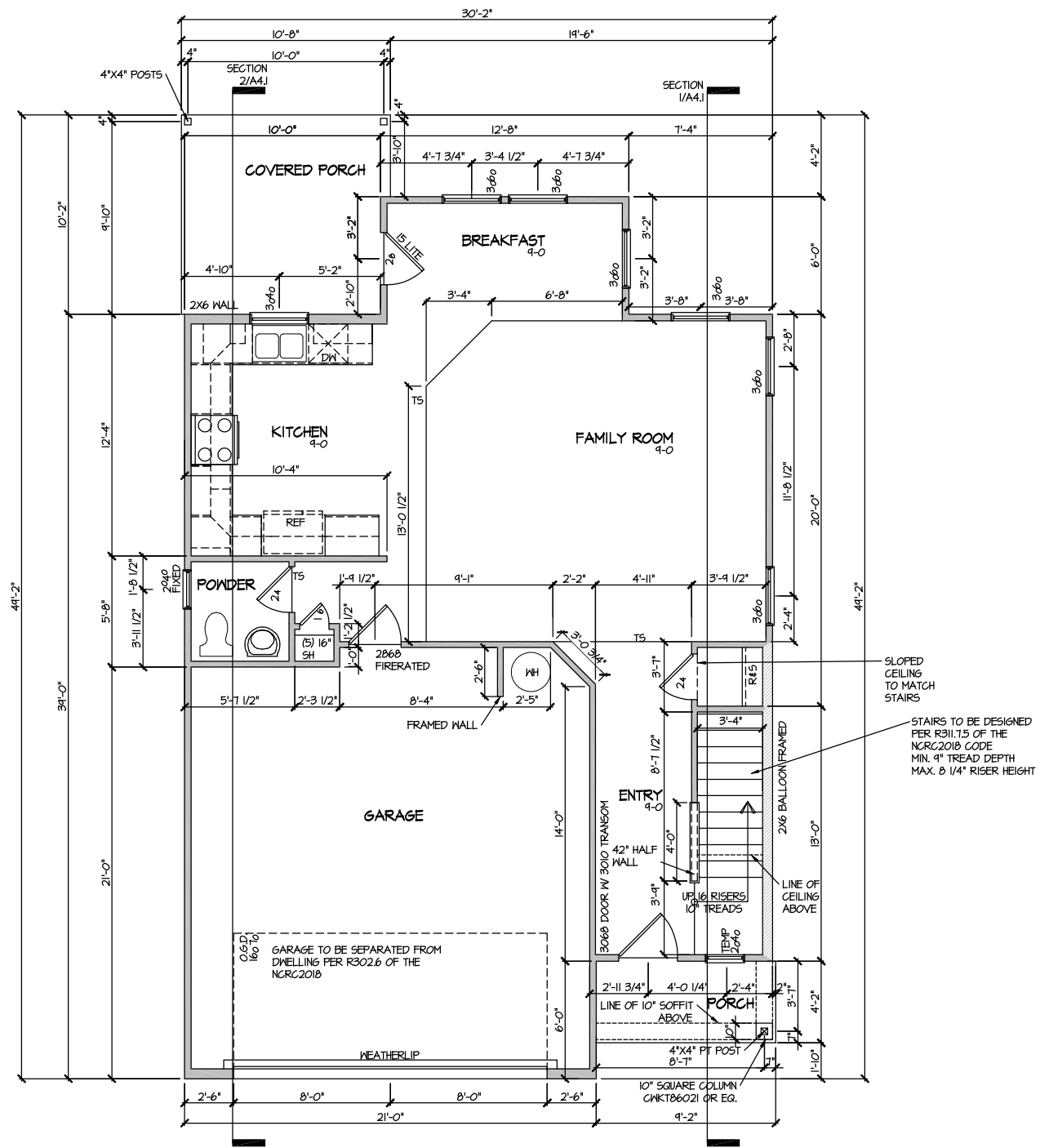
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	06-21-2023
	UPDATED DATE
	04-26-2024

DRAWN BY:	ITS
DATE:	10/23/2024
PLAN NO.	1760



HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**SLAB PLAN**

SHEET No.  
**A2.1**



ELEVATION I  
FIRST FLOOR PLAN

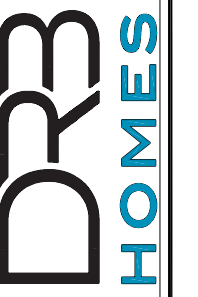
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

UPDATED DATE  
04-26-2024

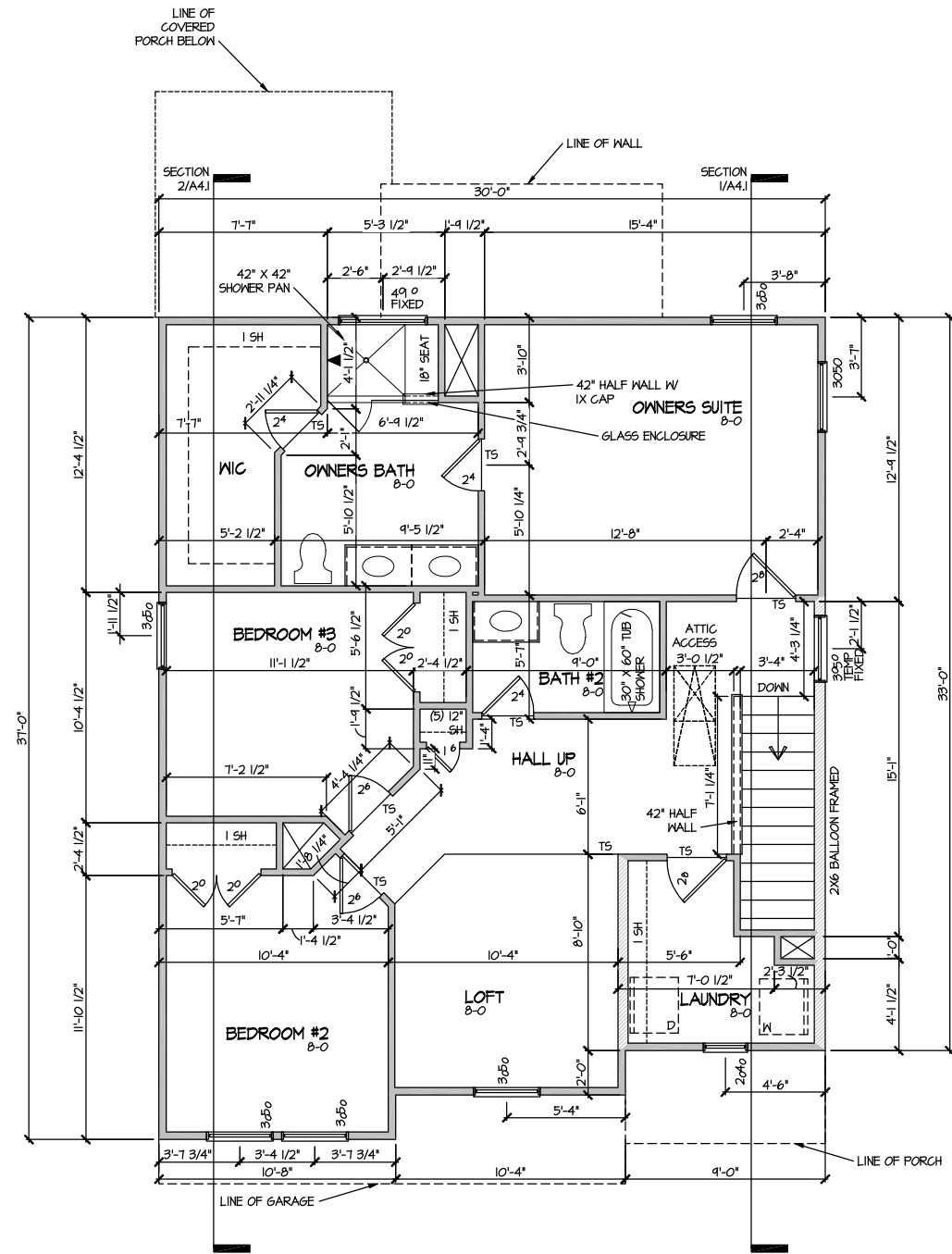
MASTER PLAN INFORMATION  
DATE 06-21-2023  
REVISION 2--RALE

DRAWN BY: ITS  
DATE: 10/23/2024  
PLAN NO. 1760



HOUSE NAME: BORDEAUX  
DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. 1



ELEVATION I  
SECOND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

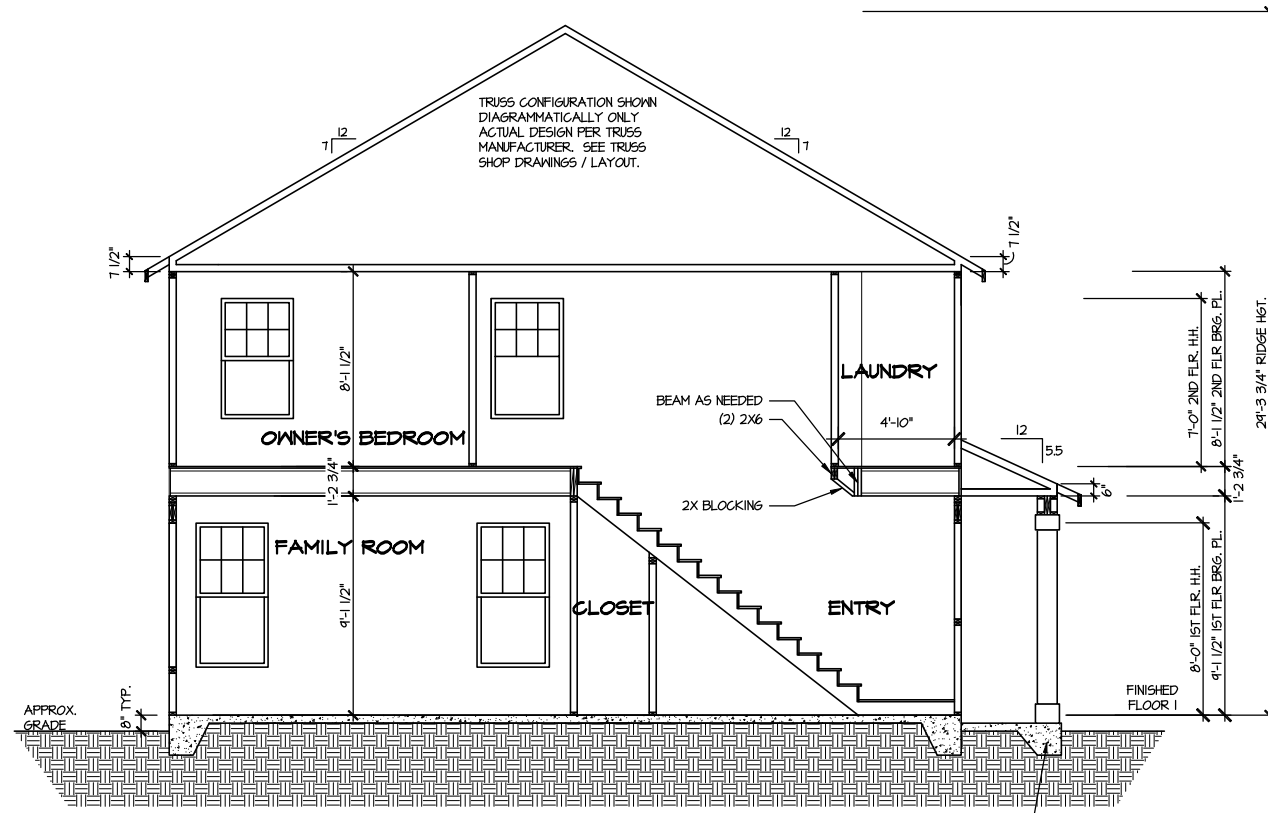
MASTER PLAN INFORMATION	
DATE	06-21-2023
REVISION	2-RALE
UPDATED DATE	04-26-2024

DRAWN BY:	ITS
DATE:	10/23/2024
PLAN NO.	1760

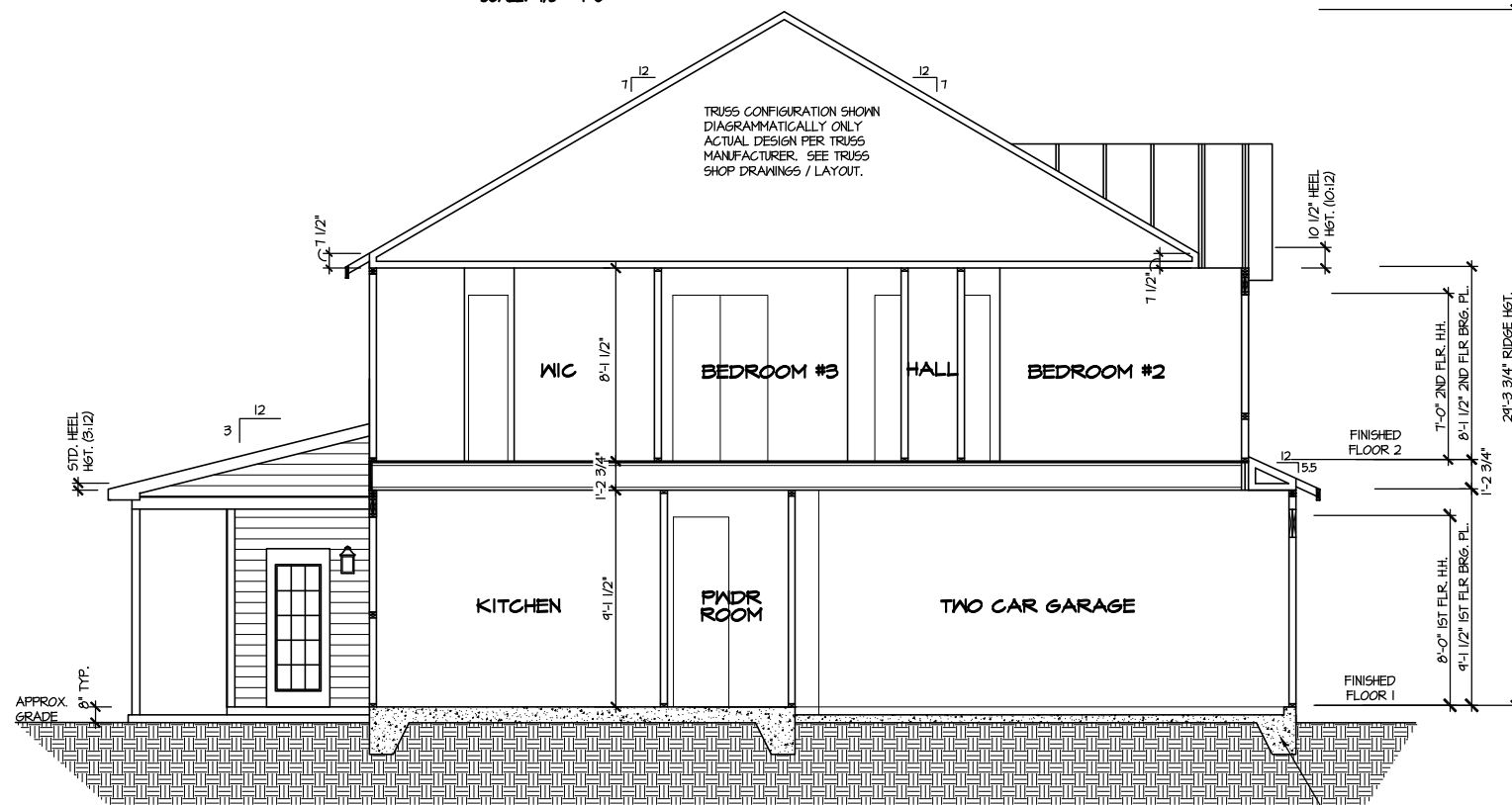


HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**SECOND FLOOR PLAN**

SHEET No.  
**A3.2**



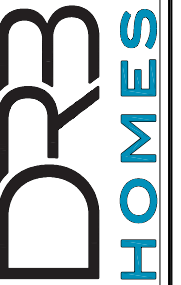
**SECTION I**  
SCALE: 1/8" = 1'-0"



**SECTION 2**  
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	06-21-2023
UPDATED DATE	04-26-2024

DRAWN BY:	ITS
DATE:	10/23/2024
PLAN NO.	1760



HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**BUILDING SECTION**

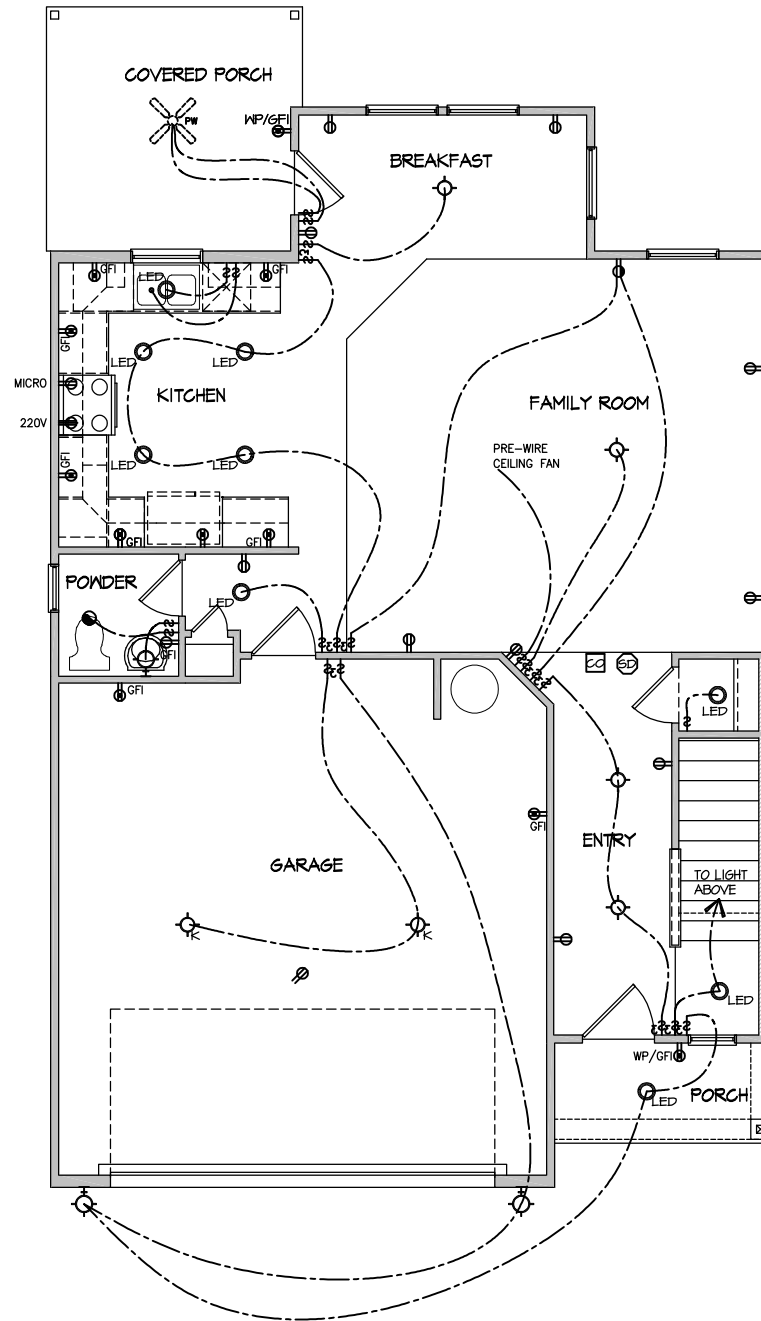
SHEET No.  
**A4.1**



**ELECTRICAL LEGEND**

- ⊕ SINGLE POLE SWITCH
- ⊕<sub>3</sub> THREE WAY SWITCH
- ⊕<sub>4</sub> FOUR WAY SWITCH
- ⊕ DUPLEX AFCI RECEPTACLE
- ⊕ 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
- ⊕ LED LIGHT FIXTURE - LED SURFACE MOUNTED
- ⊕ FULLCHAIN 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. 1**

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

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

MASTER PLAN INFORMATION  
DATE 06-21-2023  
REVISION 2-RALE

UPDATED DATE 04-26-2024

DRAWN BY: ITS  
DATE: 10/23/2024  
PLAN NO. 1760



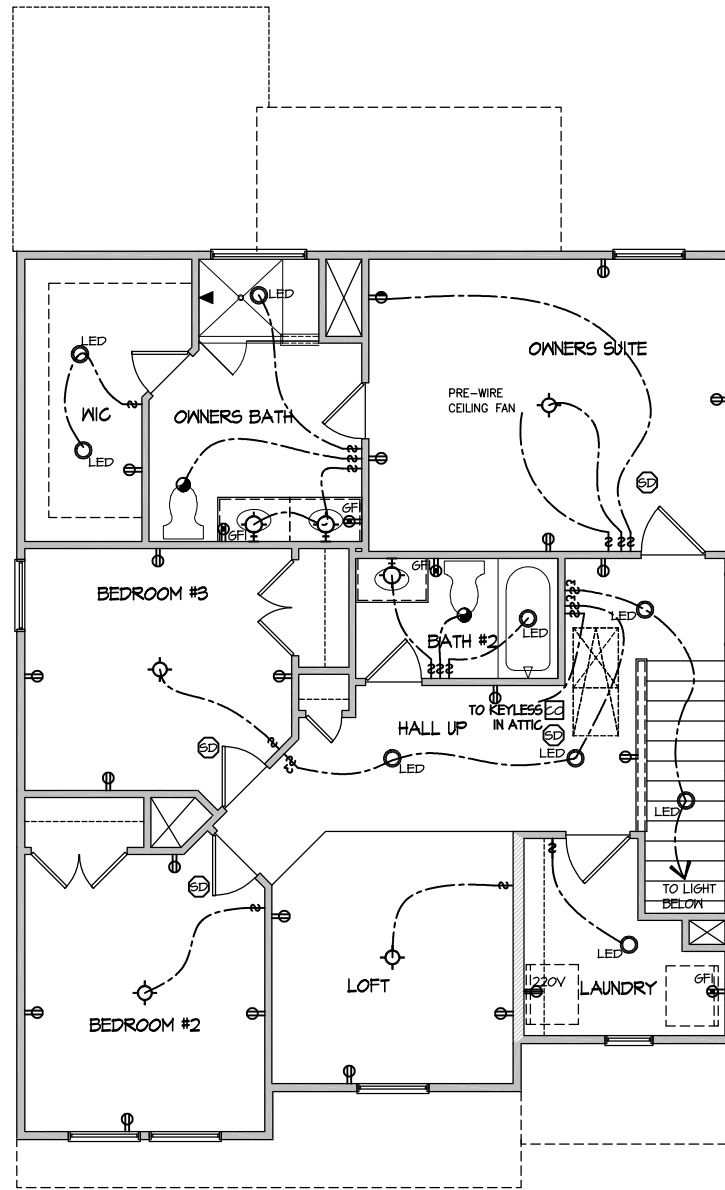
HOUSE NAME: BORDEAUX  
DRAWING TITLE: FIRST FLOOR ELECTRICAL

SHEET No. 1

**ELECTRICAL LEGEND**

- Ⓢ SINGLE POLE SWITCH
- Ⓢ<sub>3</sub> THREE WAY SWITCH
- Ⓢ<sub>4</sub> 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
- SD SMOKE DETECTOR - WIRED IN SERIES
- EXHAUST FAN MOTOR
- ☒ CO DETECTOR
- ☒ DOOR CHIME
- Ⓢ- LIGHT FIXTURE - WALL MOUNTED
- LIGHT FIXTURE - CEILING MOUNTED
- <sub>LED</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  
SECOND FLOOR - ELEV. 1  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0054.dwg DATE: 10/23/2024 12:47 PM

UPDATED DATE  
04-26-2024

MASTER PLAN INFORMATION  
REVISION DATE 06-21-2023  
2-RALE

DRAWN BY: ITS

DATE: 10/23/2024

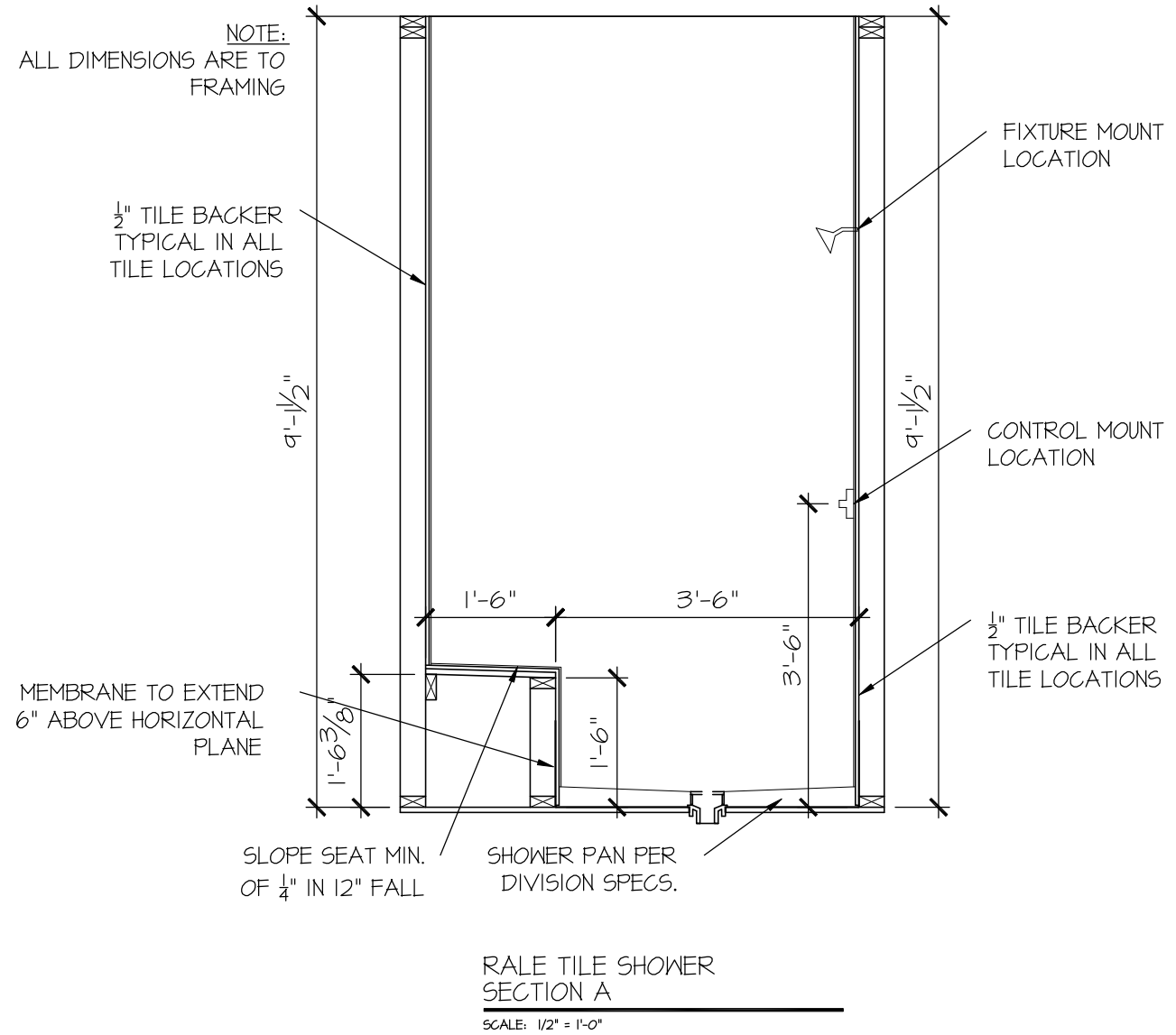
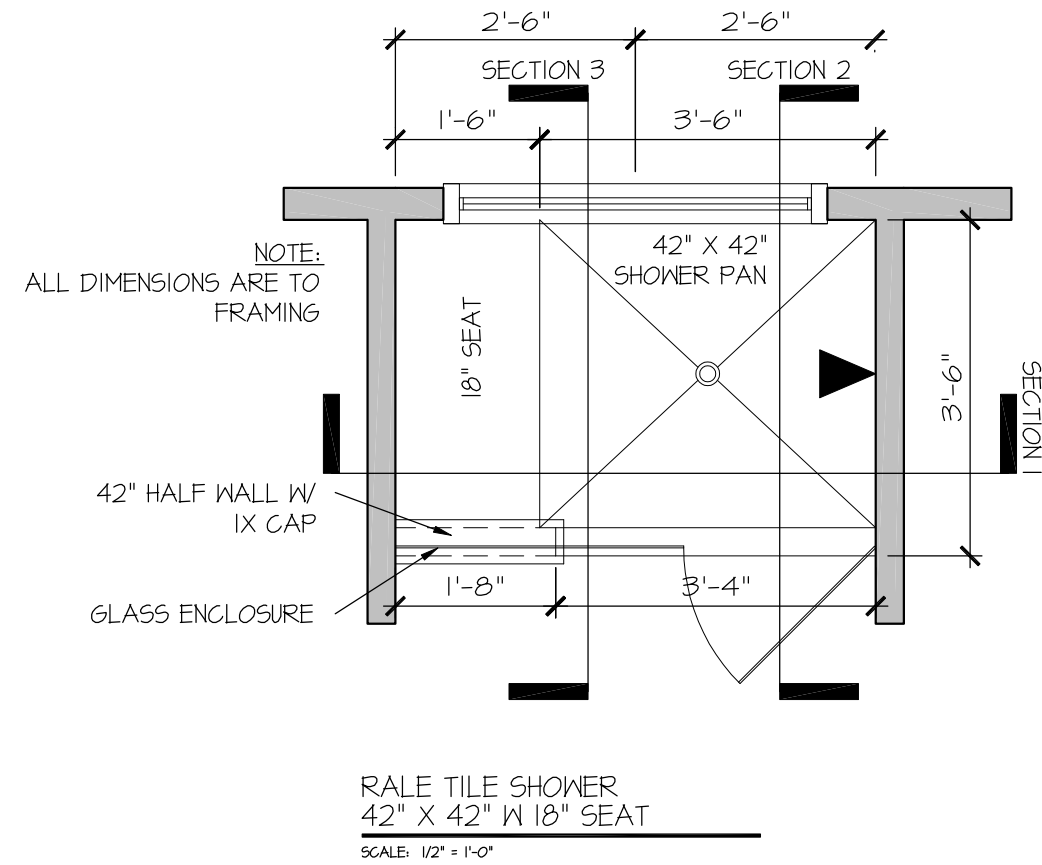
PLAN NO. 1760

**DRB**  
**HOMES**

HOUSE NAME:  
**BORDEAUX**  
DRAWING TITLE  
**SECOND FLOOR ELECTRICAL**

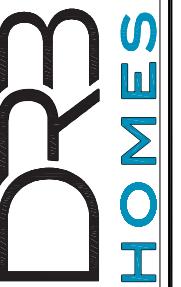
SHEET No.

**1.2**



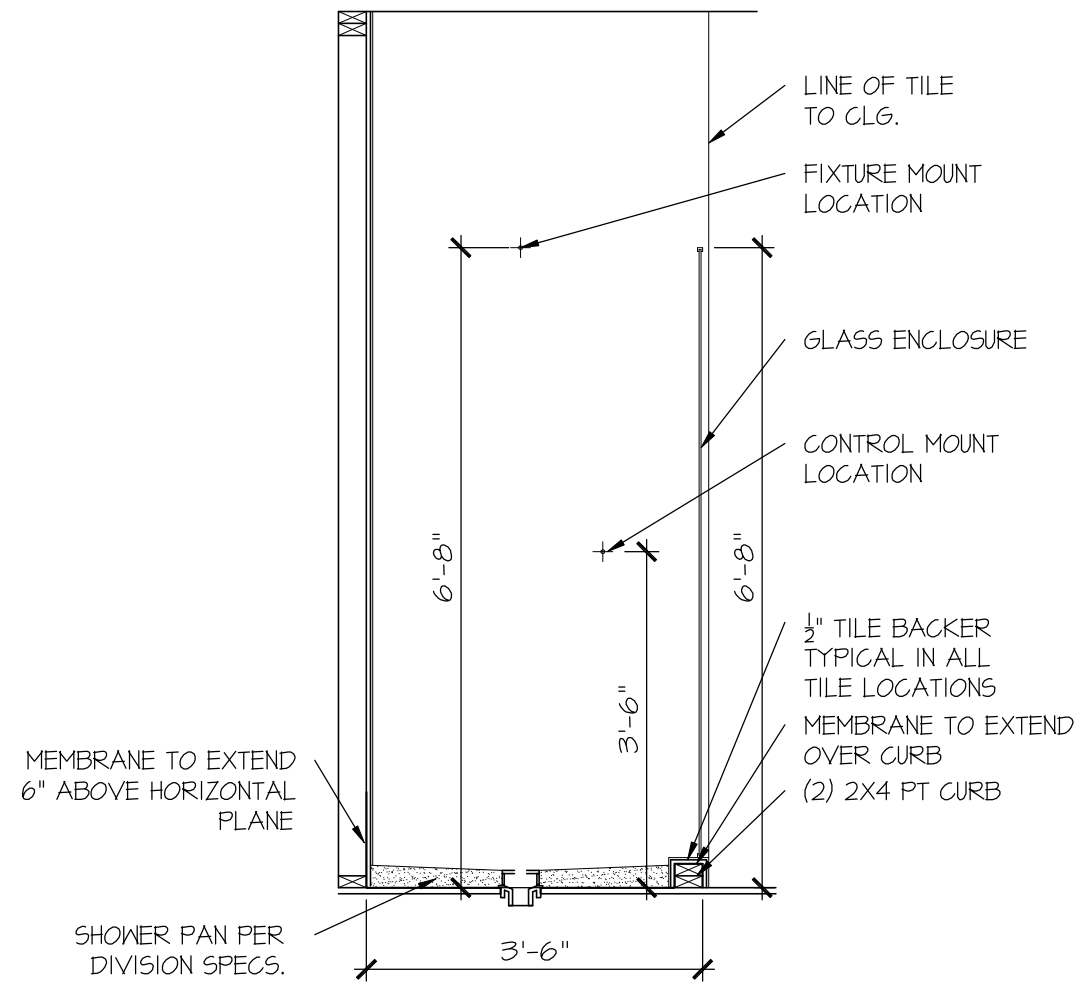
SEAL

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

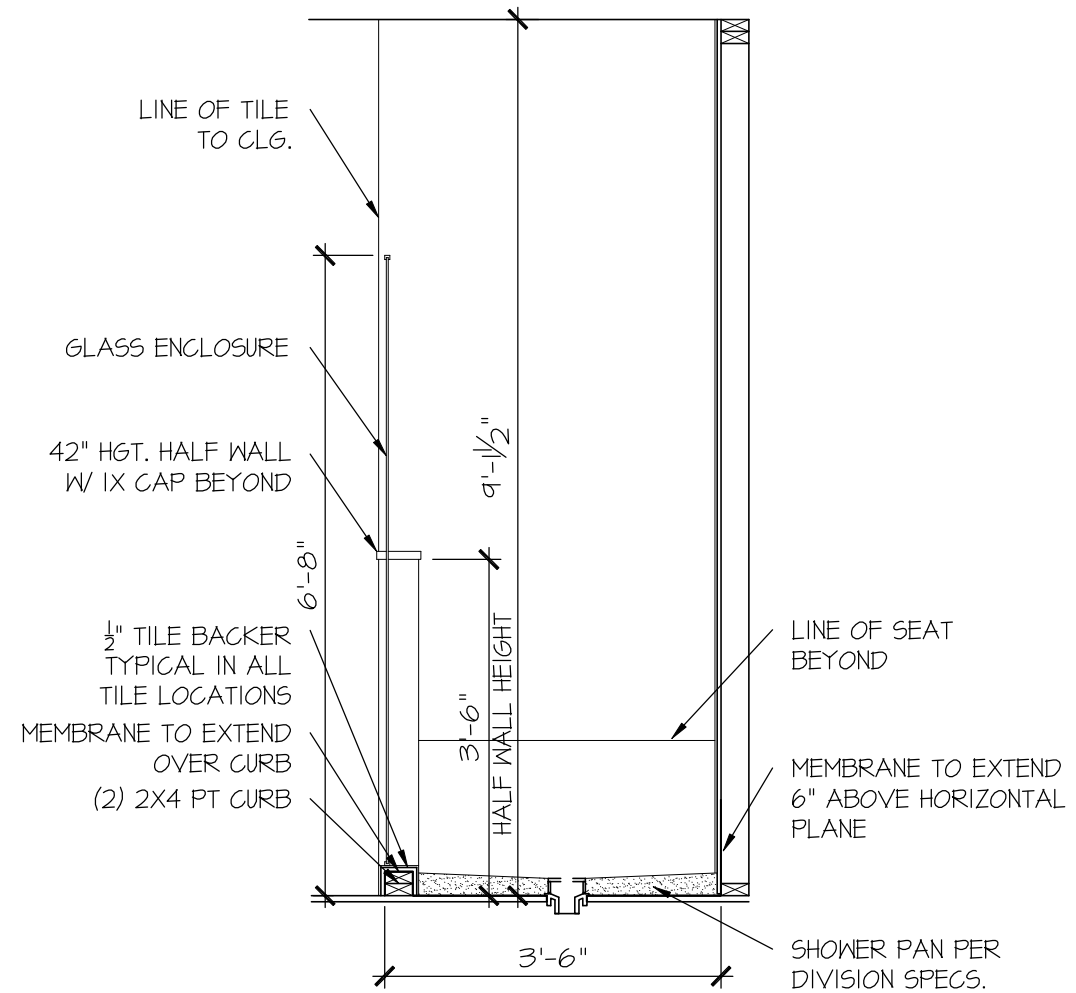


HOUSE NAME:  
DRAWING TITLE  
RALE TILE SHOWER DETAIL

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.)**

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PLATE TO JOIST/BLK'G.	(3) NAILS @ 4" o.c.	(3) NAILS @ 4" o.c.
STUD TO SOLE PLATE	(2) TOENAILS	(3) TOENAILS*
TOP OR SOLE PLATE TO STUD	(2) NAILS	(3) NAILS
RIM TO TOP PLATE	TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS*	(3) TOENAILS*
DOUBLE STUD	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE LAP SPLICE	(4) NAILS IN LAPPED AREA	(1) NAILS IN LAPPED AREA
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(2) NAILS	(2) NAILS

\* 2 1/2"x0.113" IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE \* ARE SHOWN)

**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. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

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. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

**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. (NO DIFFERENTIAL DEFLECTION)

**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 (I-JOISTS & SOLID SAWN) 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADDL 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 CHARITD CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- 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. SFF OR 5/8" STUD GRADE LUMBER, OR BETTER, U.N.O. WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPPF) 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. 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=1.55x10<sup>6</sup> psi
  - LVL - Fb=2600 psi; Fv=285 psi; E=2.0x10<sup>6</sup> psi
  - PSL - Fb=2400 psi; Fv=240 psi; E=2.0x10<sup>6</sup> psi

- M/K 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 M/K 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. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/2" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/8" 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, 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.

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

**FLOOR FRAMING**

- I-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 I-JOIST FLOORS, PROVIDE 1 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 1/4" 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.
  - 1/4" 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 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 & TPI'S BCS1-I-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. (I-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 1/4" 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
HD-1	SIMPSON HTT4 HOLD-DOWN *
HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)
HD-3	SIMPSON STHD14/14R HOLD-DOWN

**ALTERNATIVE TO S6TB24 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.

**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 HEREIN, 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 R602.3.5 & R802.11.

**EXT. WALL SHEATHING SPECIFICATION**

- 7/16" OSB OR 15/32" PLYWOOD:
  - FASTEN SHEATHING W/ 2 3/8" x 0.113" 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 (1/8" 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 (1/8" 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)

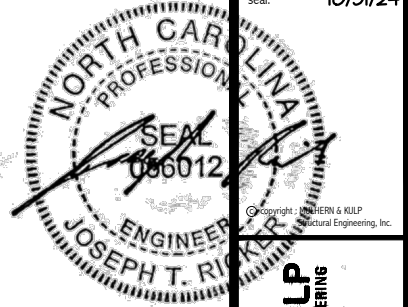
--- INDICATES EXTENT OF INT. OSB SHEARWALL OR 3" O.C. OSB SHEARWALL.

▶ INDICATES HOLD-DOWN 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 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 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<sub>c</sub> = 4,000 psi: ..... FOUNDATION WALLS
  - 2,500 psi: ..... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3,000 psi: ..... GARAGE & EXTERIOR SLABS ON GRADE
  - f<sub>y</sub> = 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
  - 9' OR 10' HEIGHT (AS NOTED ON PLANS)
  - TALLER WALLS MUST BE ENGINEERED.
  - NOMINAL WIDTH (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 & 530.1.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 4 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.



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NC LIC. #C-3825

M/K project number: 126-22076

project mgr: JTR

drawn by: KFG

issue date: 10-31-24

REVISIONS:

date: initial:

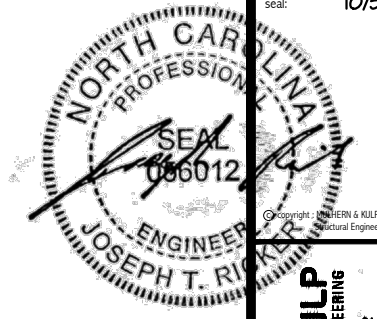


STRUCTURAL NOTES

FARM AT NEIL'S CREEK

LOT 54 - BORDEAUX I

RALEIGH, NC



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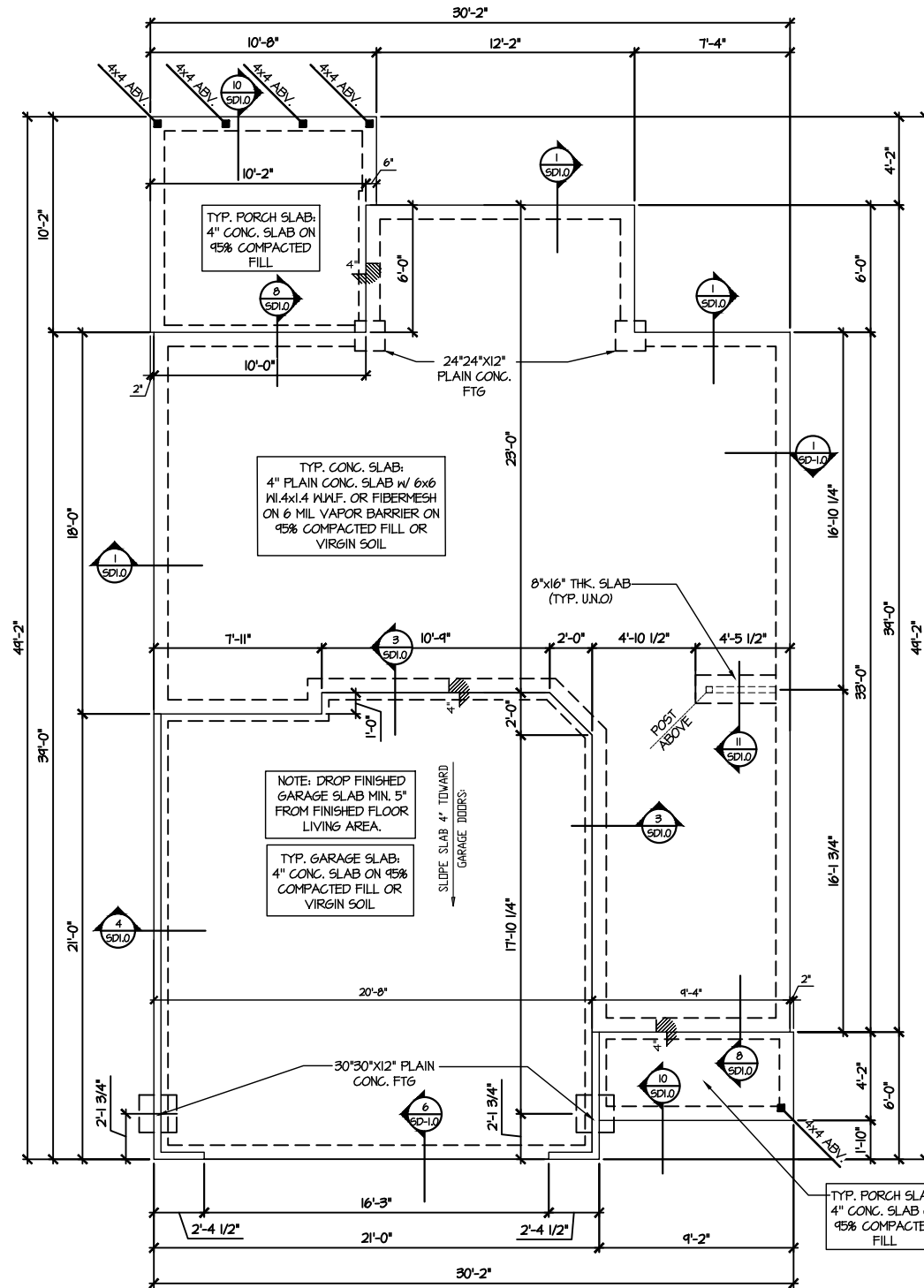
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FOUNDATION PLANS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

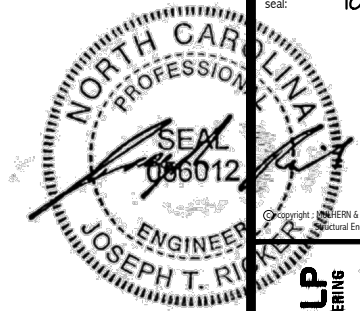
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**1 MONO SLAB FOUNDATION PLAN**  
SCALE: 1/8"=1'-0"

LEGEND	
	INTERIOR BEARING WALL
	BEARING WALL ABOVE
	BEAM / HEADER
	INDICATES SHEAR WALL & EXTENT
	EXTENT OF OVERFRAMING
	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



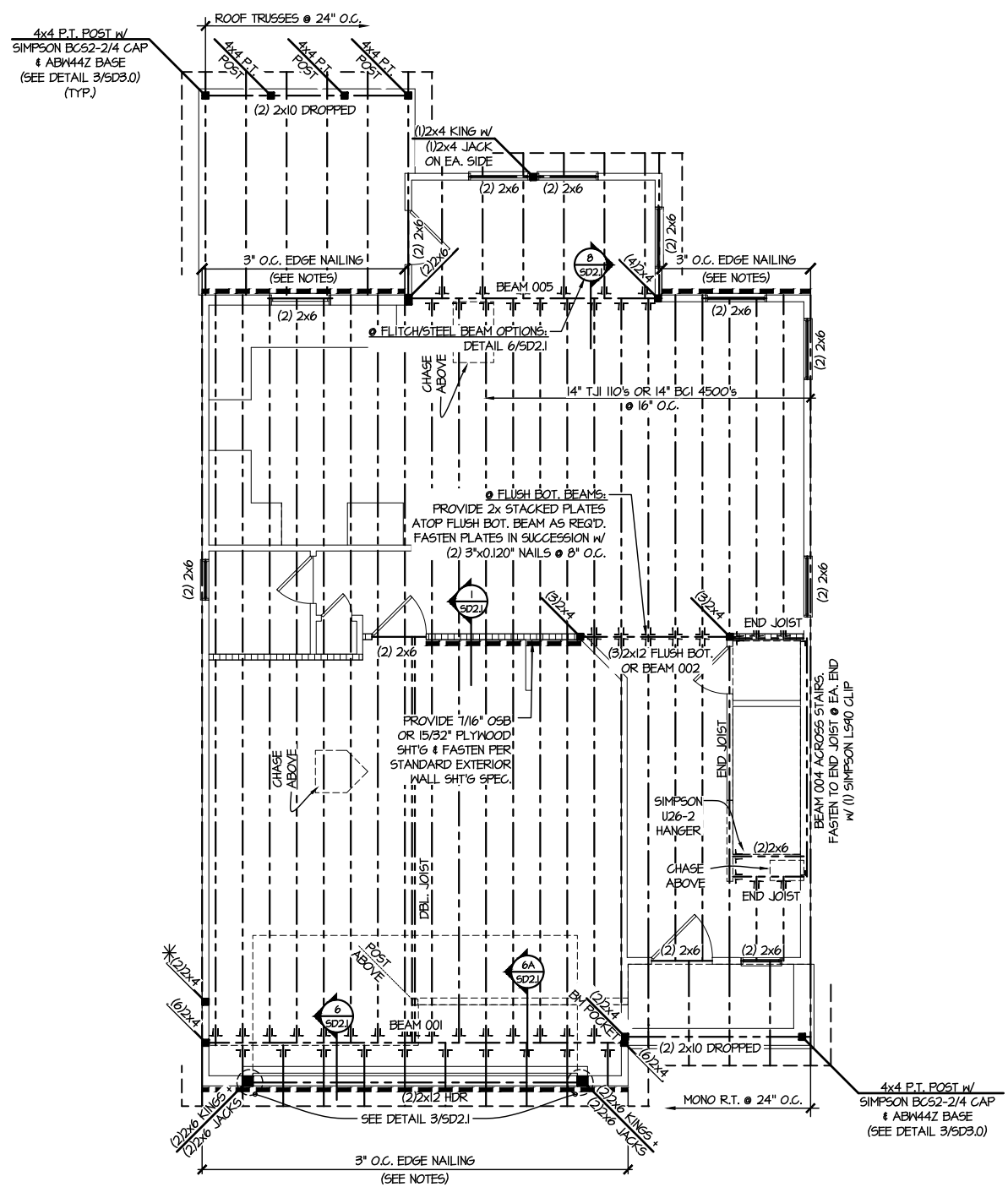
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FLOOR FRAMING PLANS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

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
- 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**

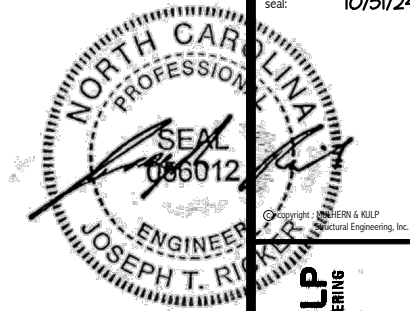
**ENGINEERED BEAM MATERIAL SCHEDULE**

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(4) 3/4"x10" - TF	1"x10" - TF	N/A	(4) 2x12 + (3) 3/8"x1 1/2" STEEL FLITCH PLATES - FB	M2x14 - F
002	(2) 3/4"x14" - F	3/2"x14" - F	(3) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x1 1/2" STEEL FLITCH PLATES - FB	M2x14 - F
003	(2) 3/4"x14" - F	3/2"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/8"x1 1/2" STEEL FLITCH PLATES - FB	M2x14 - F
004	(2) 3/4"x14" - F	3/2"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x1 1/2" STEEL FLITCH PLATES - FB	M2x14 - F
005	(2) 3/4"x14" - F	3/2"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/8"x1 1/2" STEEL FLITCH PLATES - FB	M2x14 - F
006	(2) 3/4"x11 1/2" - H	3/2"x11 1/2" - H	(3) 3/4"x11 1/2" - H	(2) 2x12 + (1) 1/2"x1 1/2" STEEL FLITCH PLATES - H	N/A

**BEAM NOTATION:**  
 - "F" INDICATES FLUSH BEAM  
 - "TF" 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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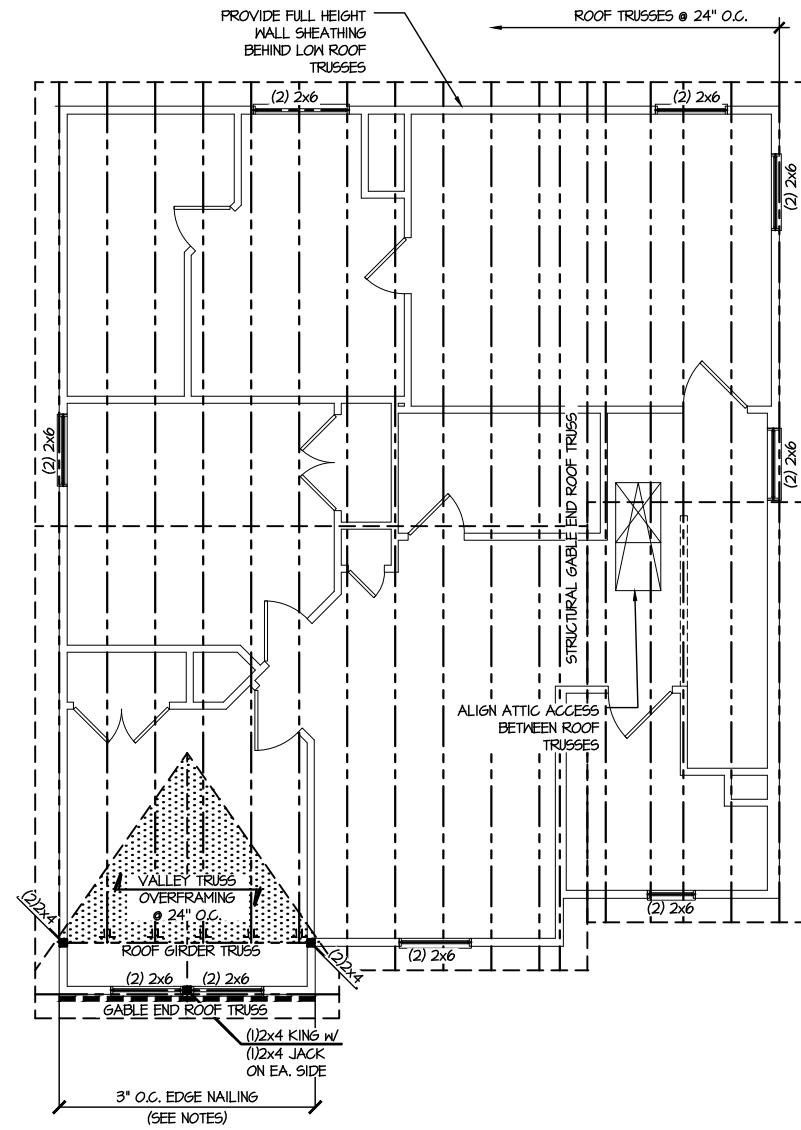
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126-22076  
project mgr: JTR  
drawn by: KFG  
issue date: 10-31-24

REVISIONS:  
date: initial:



ROOF FRAMING PLANS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

sheet:  
**S3.0**

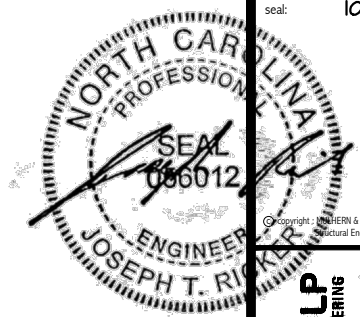


**1 ROOF FRAMING PLAN**  
SCALE: 1/8"=1'-0"

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

**REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES**





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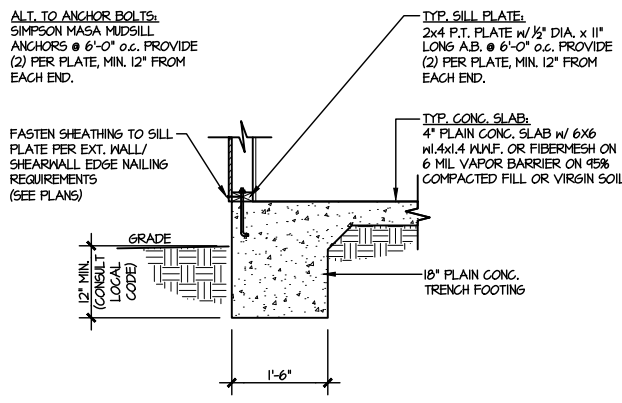
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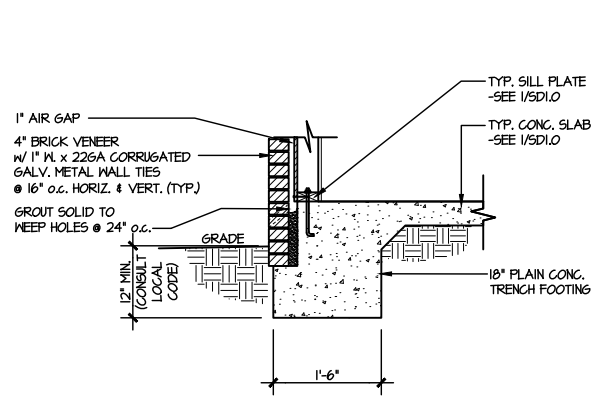


FOUNDATION DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

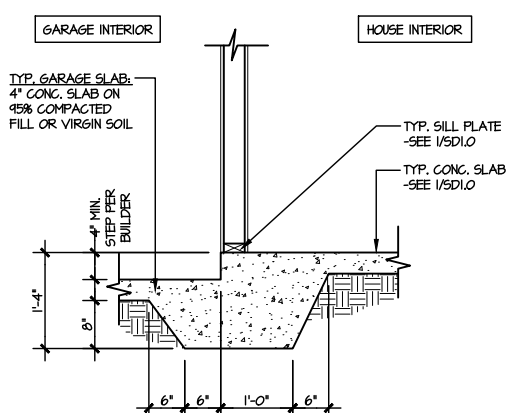
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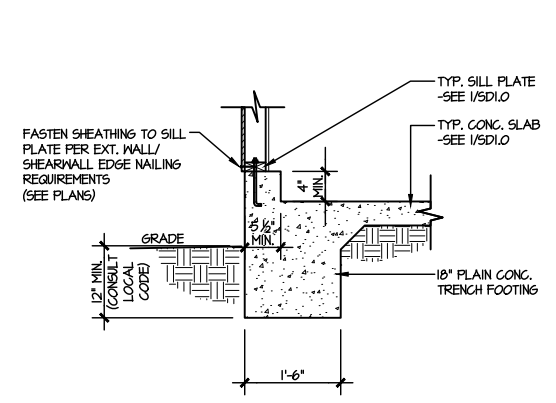
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



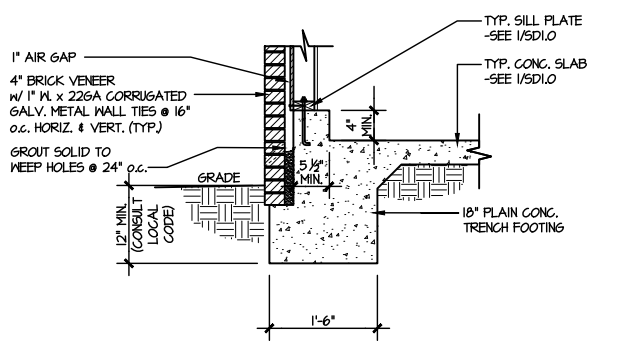
2 TYPICAL SLAB ON GRADE PERIMETER FOOTING w/ BRICK VENEER  
SCALE: 3/8"=1'-0"



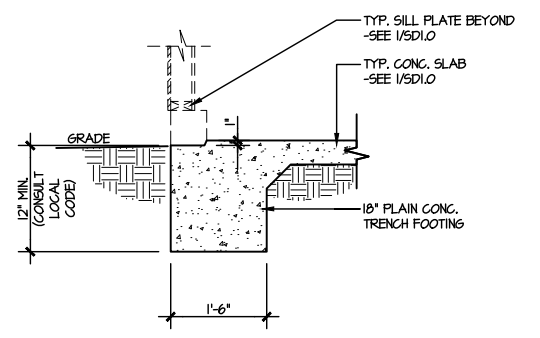
3 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING  
SCALE: 3/8"=1'-0"



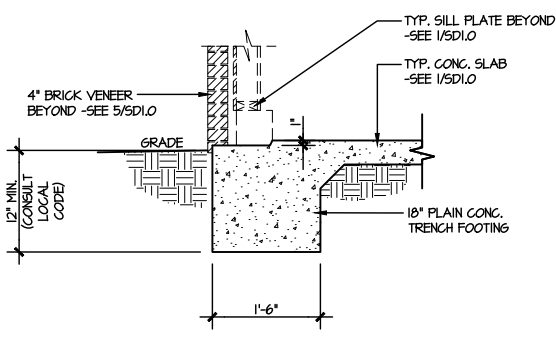
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SCALE: 3/8"=1'-0"



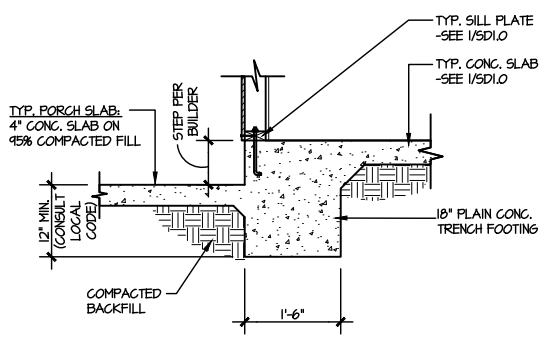
5 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING w/ BRICK VENEER  
SCALE: 3/8"=1'-0"



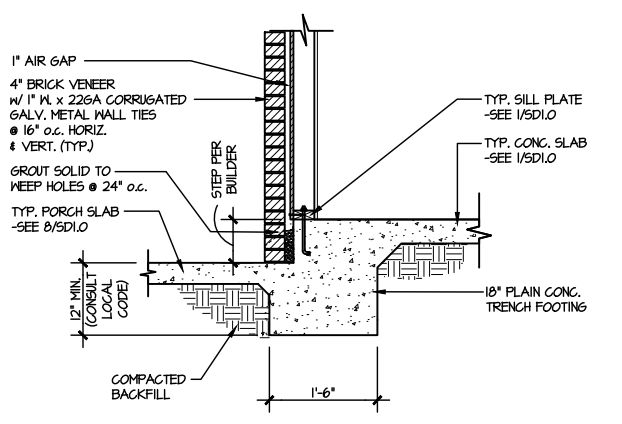
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



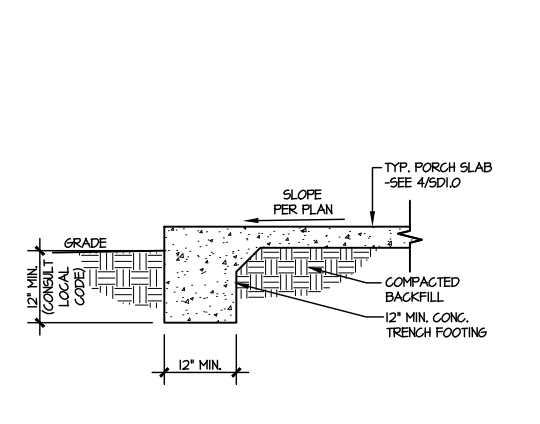
7 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING w/ BRICK VENEER  
SCALE: 3/8"=1'-0"



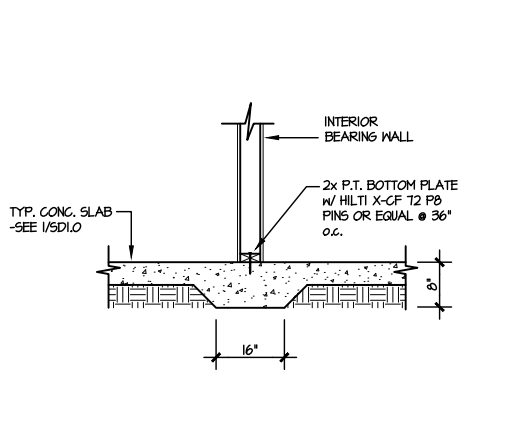
8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO  
SCALE: 3/8"=1'-0"



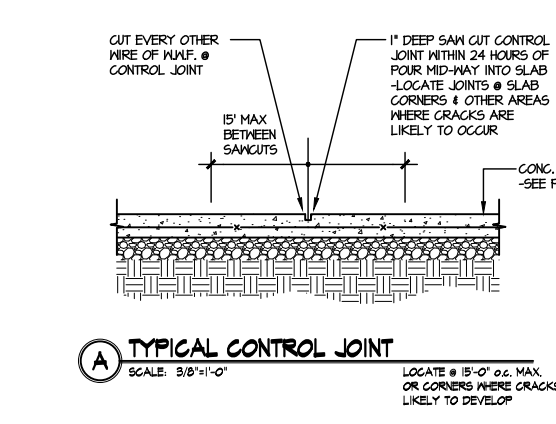
9 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO  
SCALE: 3/8"=1'-0"



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



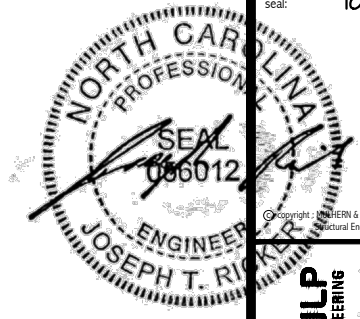
11 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL  
SCALE: 3/8"=1'-0"



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.

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



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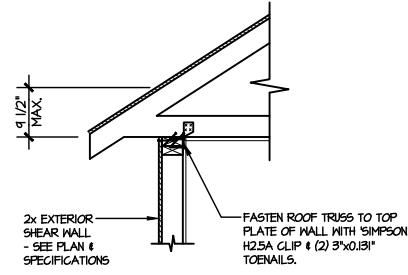
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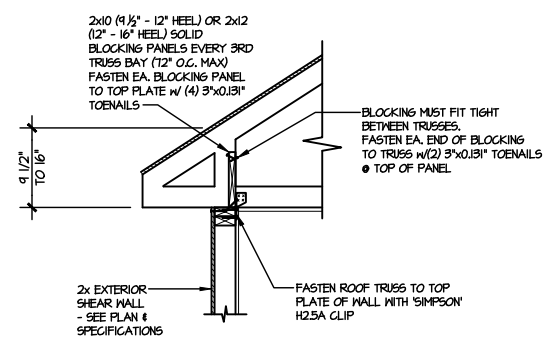
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**HOMES**

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

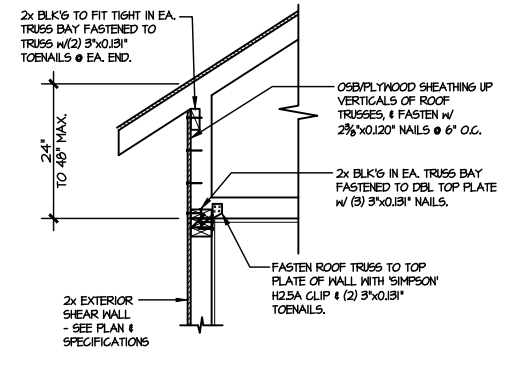
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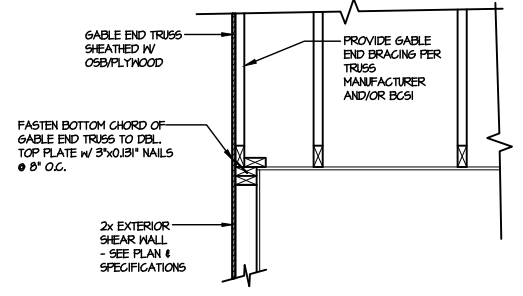
**(AI) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"=1'-0\"  
HEEL HEIGHT LESS THAN 4 1/2' NO BLOCKING REQ'D



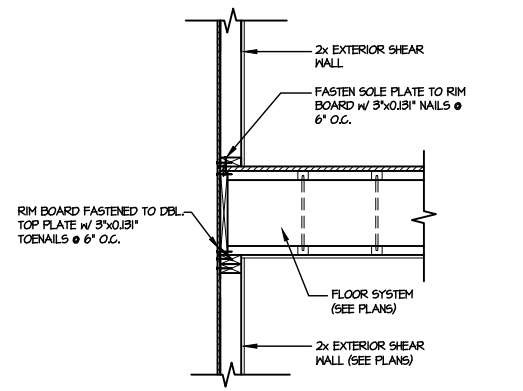
**(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"=1'-0\"  
HEEL HEIGHT BETWEEN 4 1/2' - 16' BLOCKING REQ'D



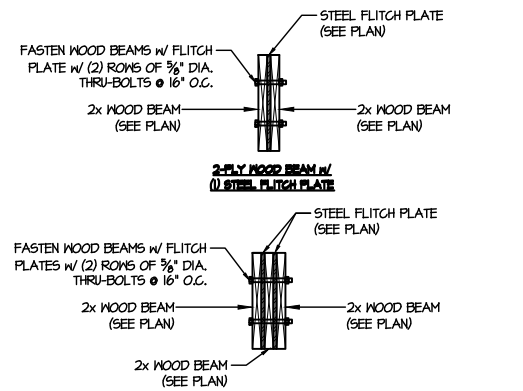
**(AB) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS**  
SCALE: 3/8\"=1'-0\"  
HEEL HEIGHT UP TO 48' MAX.



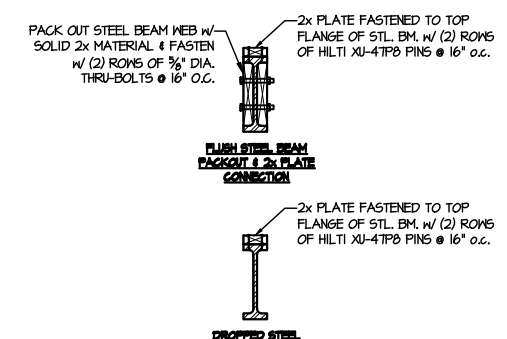
**(B) TYPICAL GABLE END DETAIL**  
SCALE: 3/8\"=1'-0\"



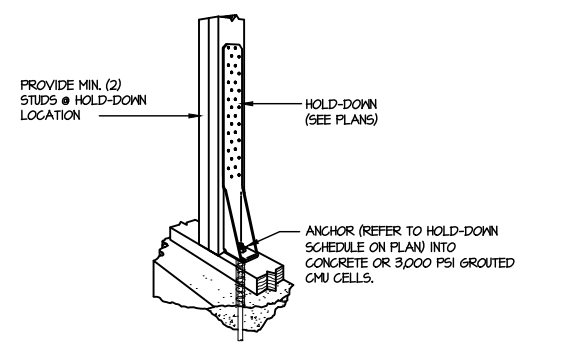
**(C) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8\"=1'-0\"



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



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



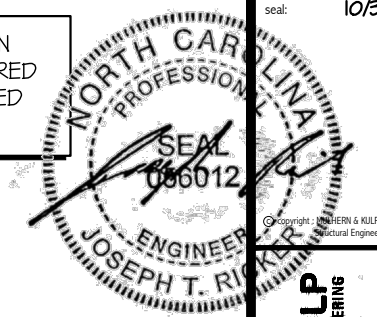
**(FI) TYPICAL HOLD DOWN INSTALLATION**  
SCALE: N.T.S.

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

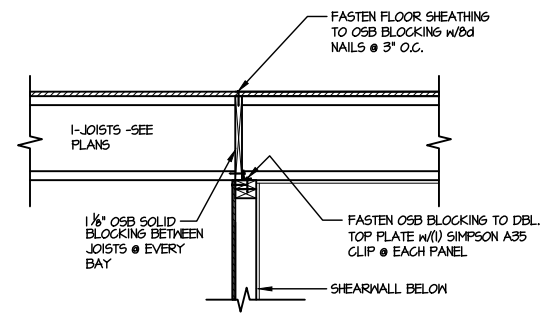
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

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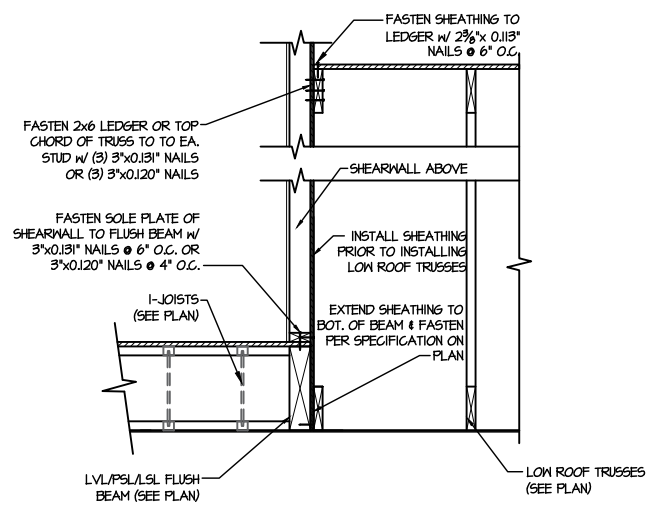
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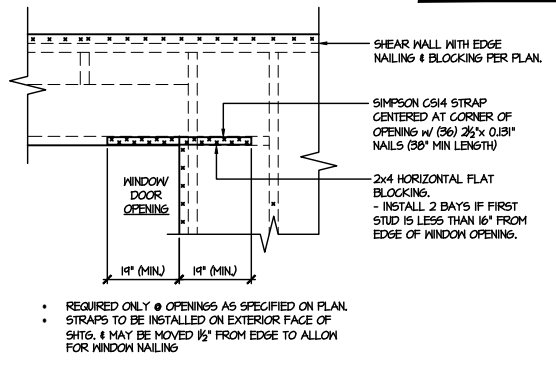
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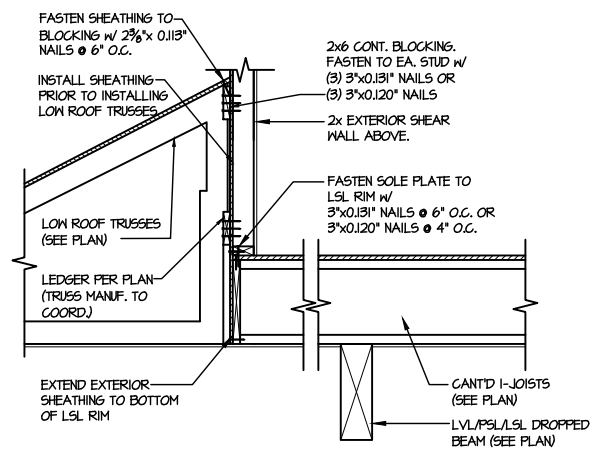
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW  
SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



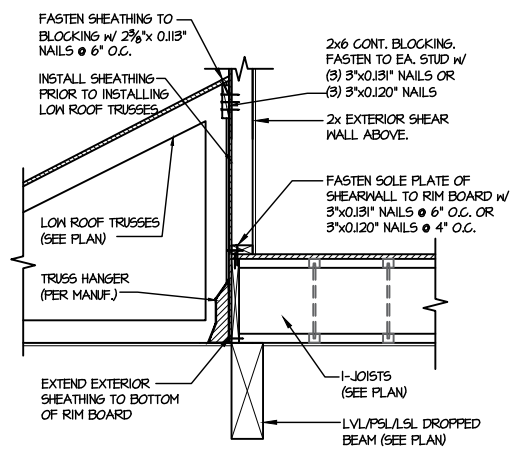
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



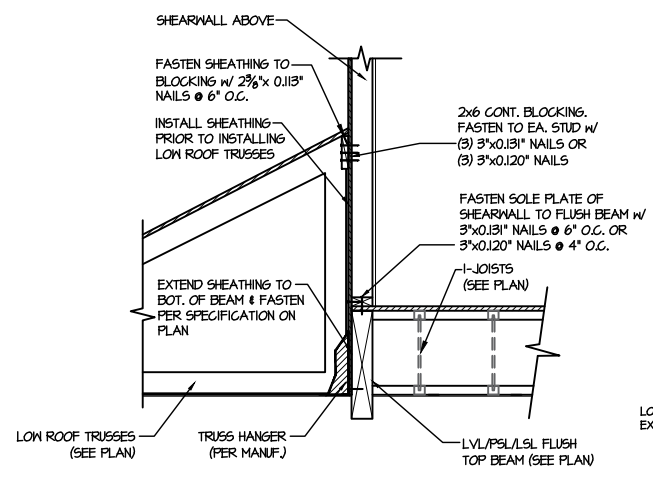
3 SHEARWALL OPENING ELEVATION  
SCALE: NTS



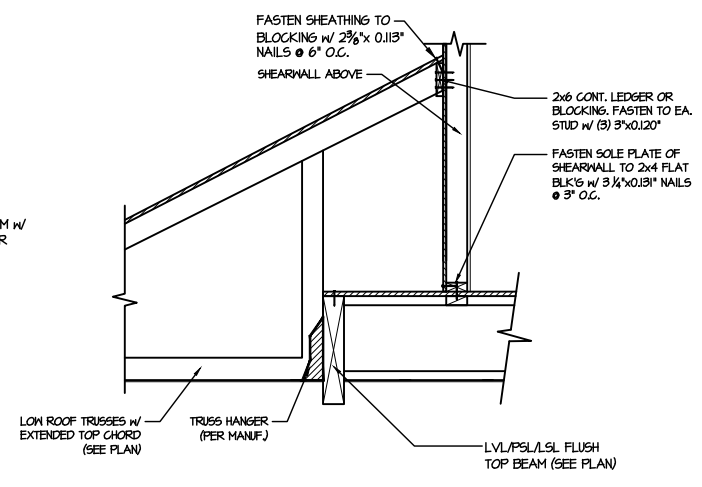
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



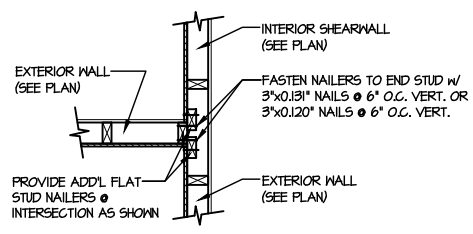
5 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



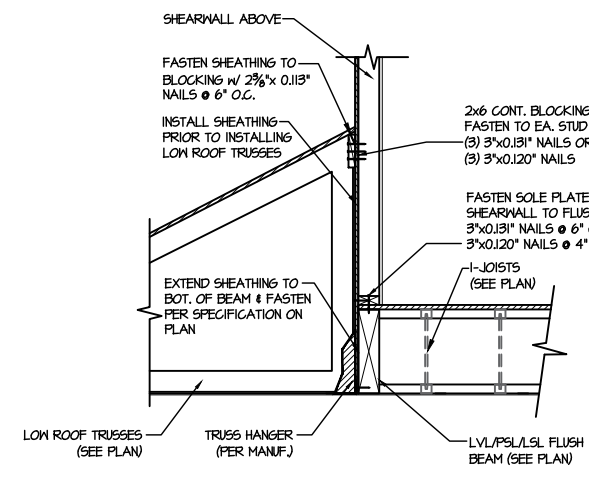
6 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



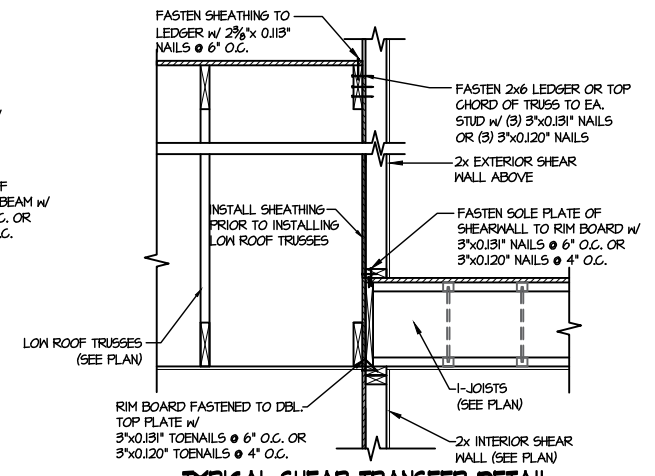
6A SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



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



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

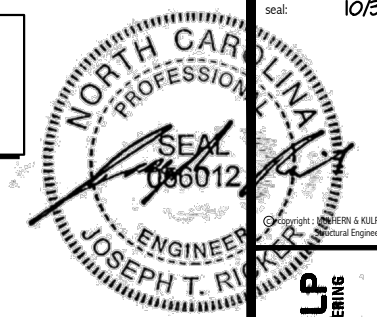


9 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"

M&K project number:	126-22076
project mgr:	JTR
drawn by:	KFG
issue date:	10-31-24
REVISIONS:	
date:	initial:

DRB HOMES

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC



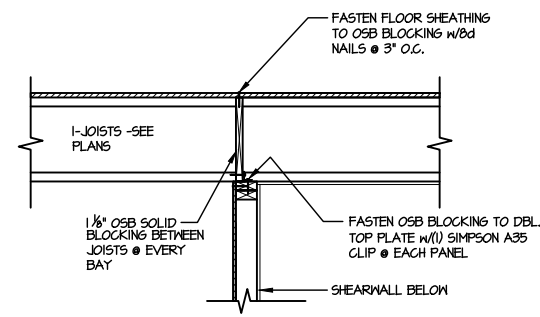
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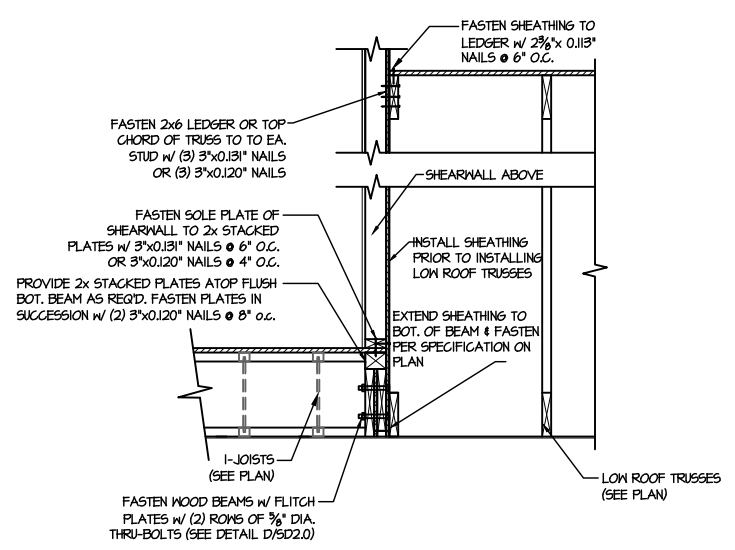
**DRB**  
**HOMES**

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

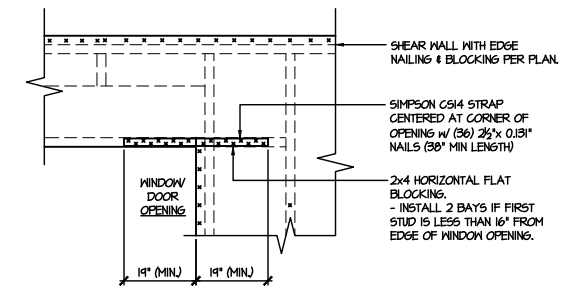
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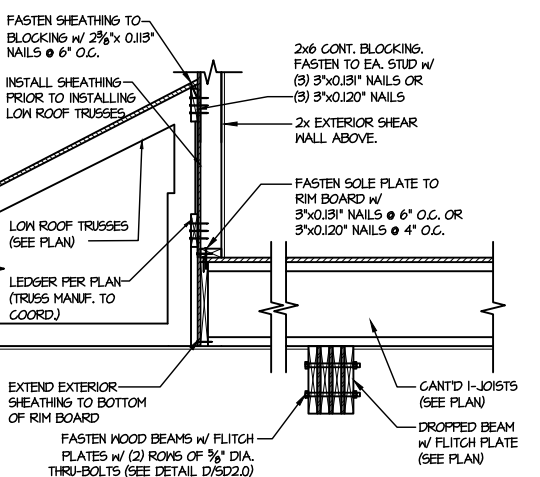
**1** SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW  
SCALE: 3/8"=1'-0"  
PERPENDICULAR FRAMING



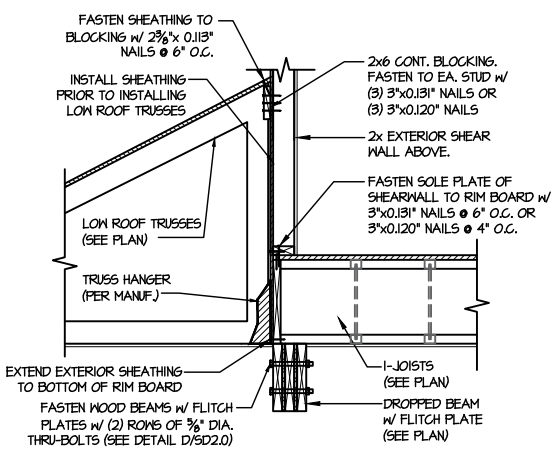
**2** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



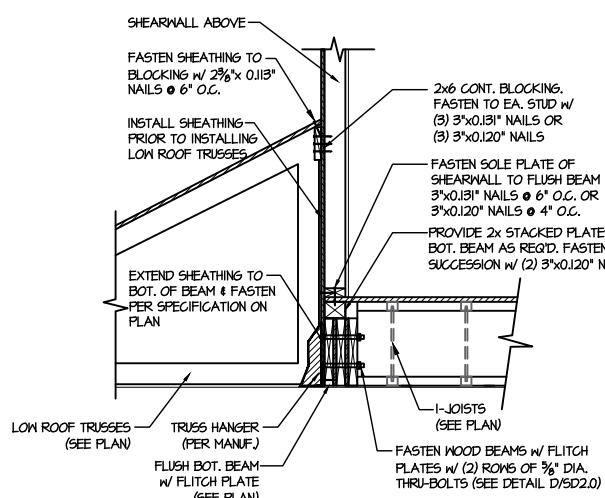
**3** SHEARWALL OPENING ELEVATION  
SCALE: NTS



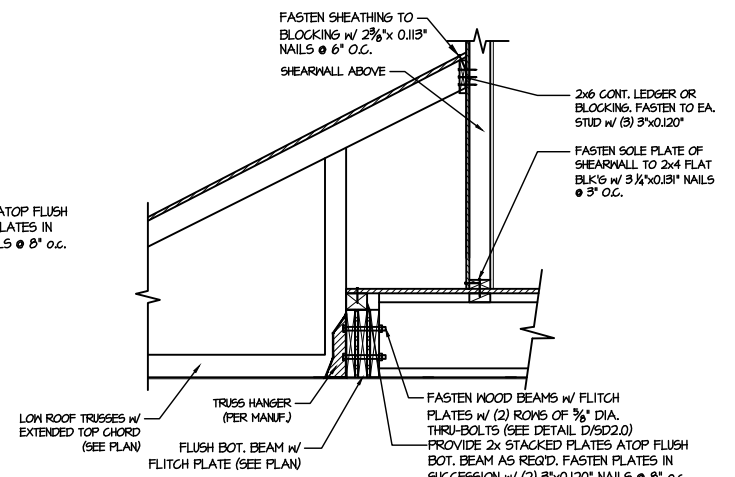
**4** TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



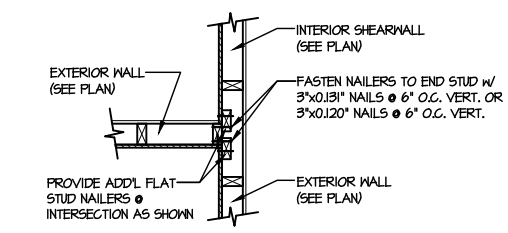
**5** TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



**6** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



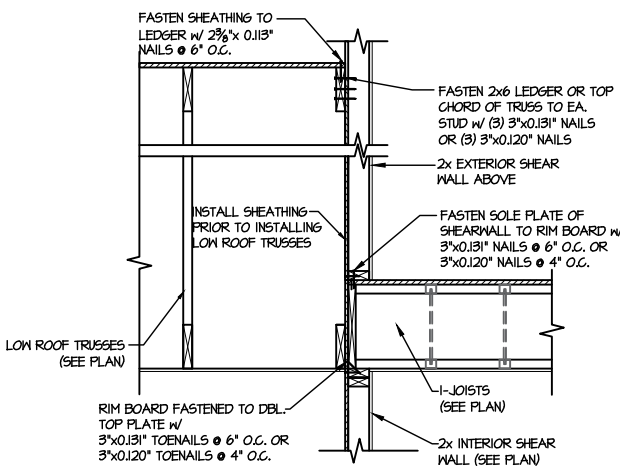
**6A** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



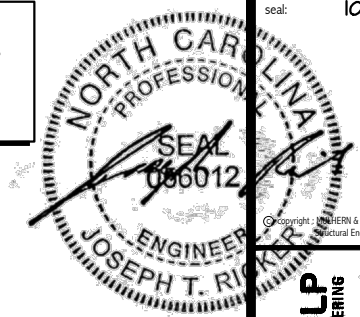
**7** SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHTS. ON SAME PAGE

NOT USED

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



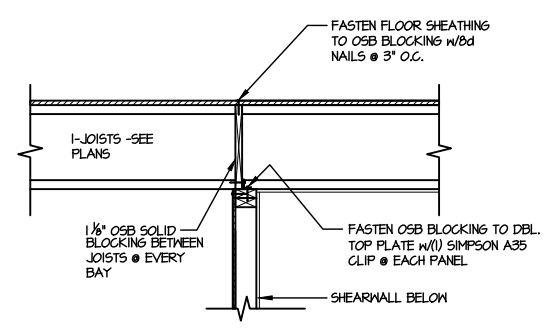
**9** TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



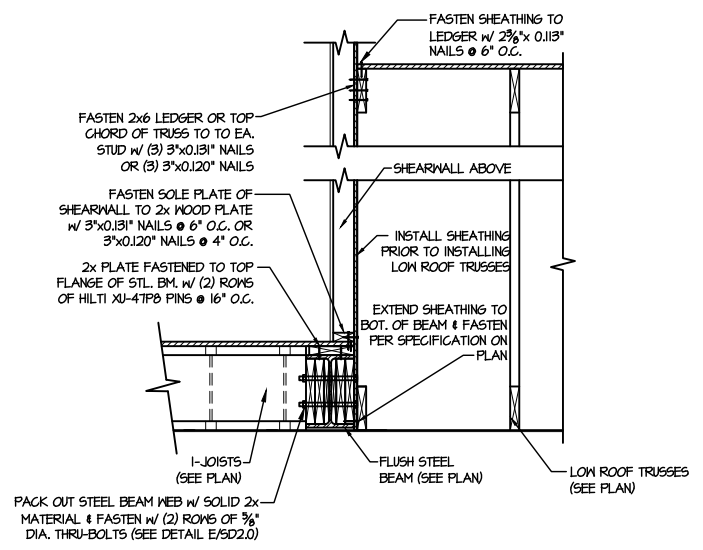
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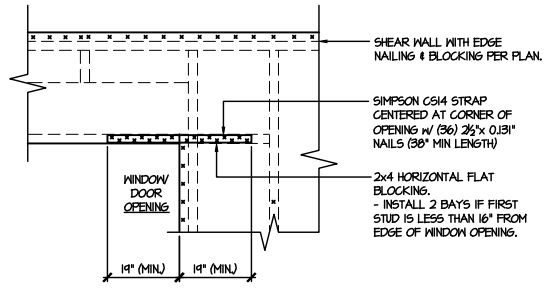
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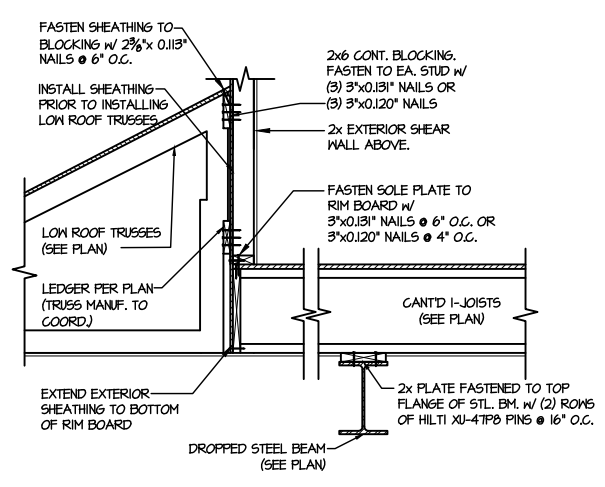
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW  
SCALE: 3/8"=1'-0"  
PERPENDICULAR FRAMING



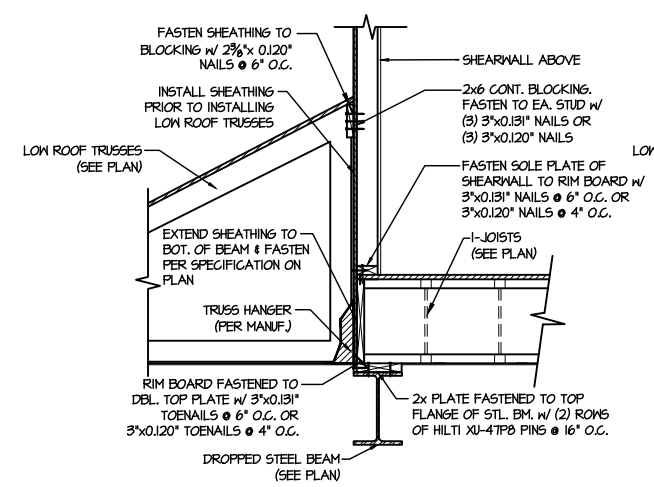
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



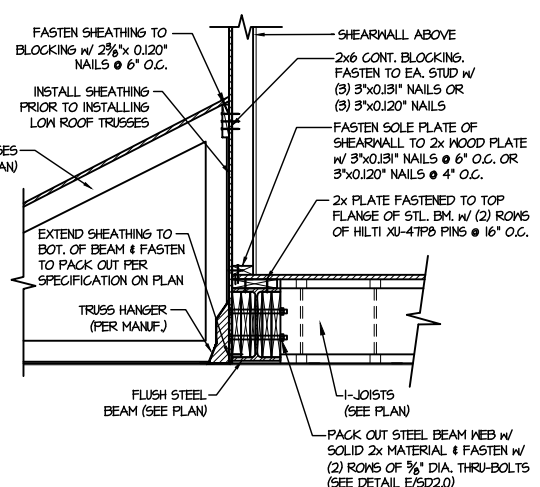
3 SHEARWALL OPENING ELEVATION  
SCALE: NTS



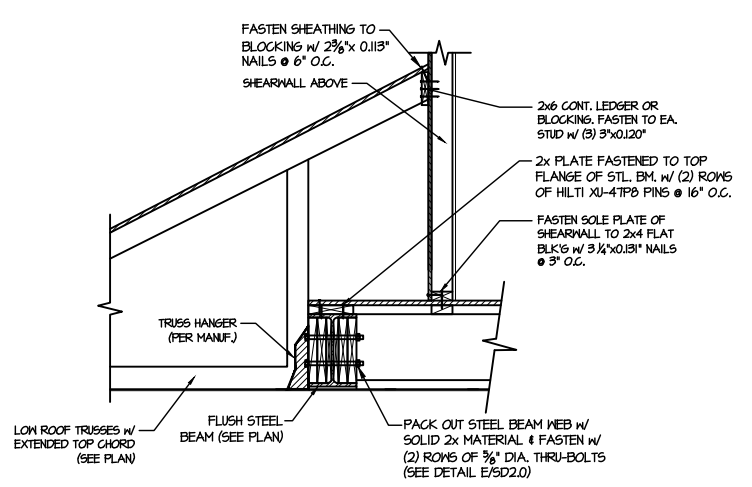
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



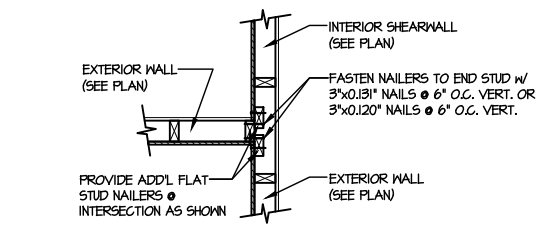
5 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



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



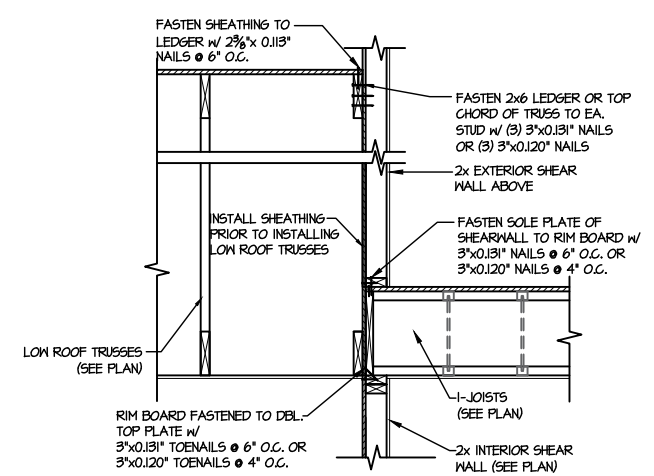
6A SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



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

NOT USED

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



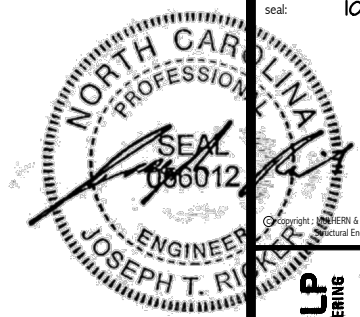
9 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"

M&K project number: 126-22076  
project mgr: JTR  
drawn by: KFG  
issue date: 10-31-24  
REVISIONS:  
date: initial:

DRB HOMES

FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

SD2.1C



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M&K project number:  
126-22076

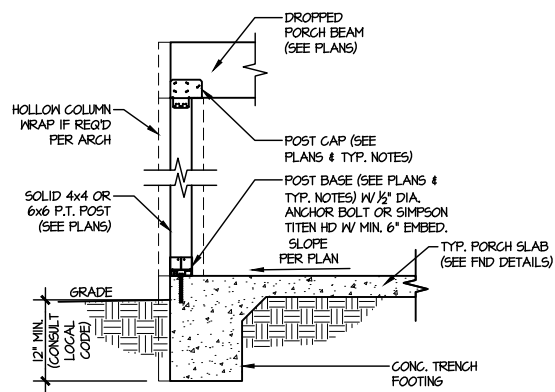
project mgr: JTR  
drawn by: KFG  
issue date: 10-31-24

REVISIONS:  
date: initial:



FRAMING DETAILS  
FARM AT NEIL'S CREEK  
LOT 54 - BORDEAUX I  
RALEIGH, NC

sheet:  
**SD3.0**

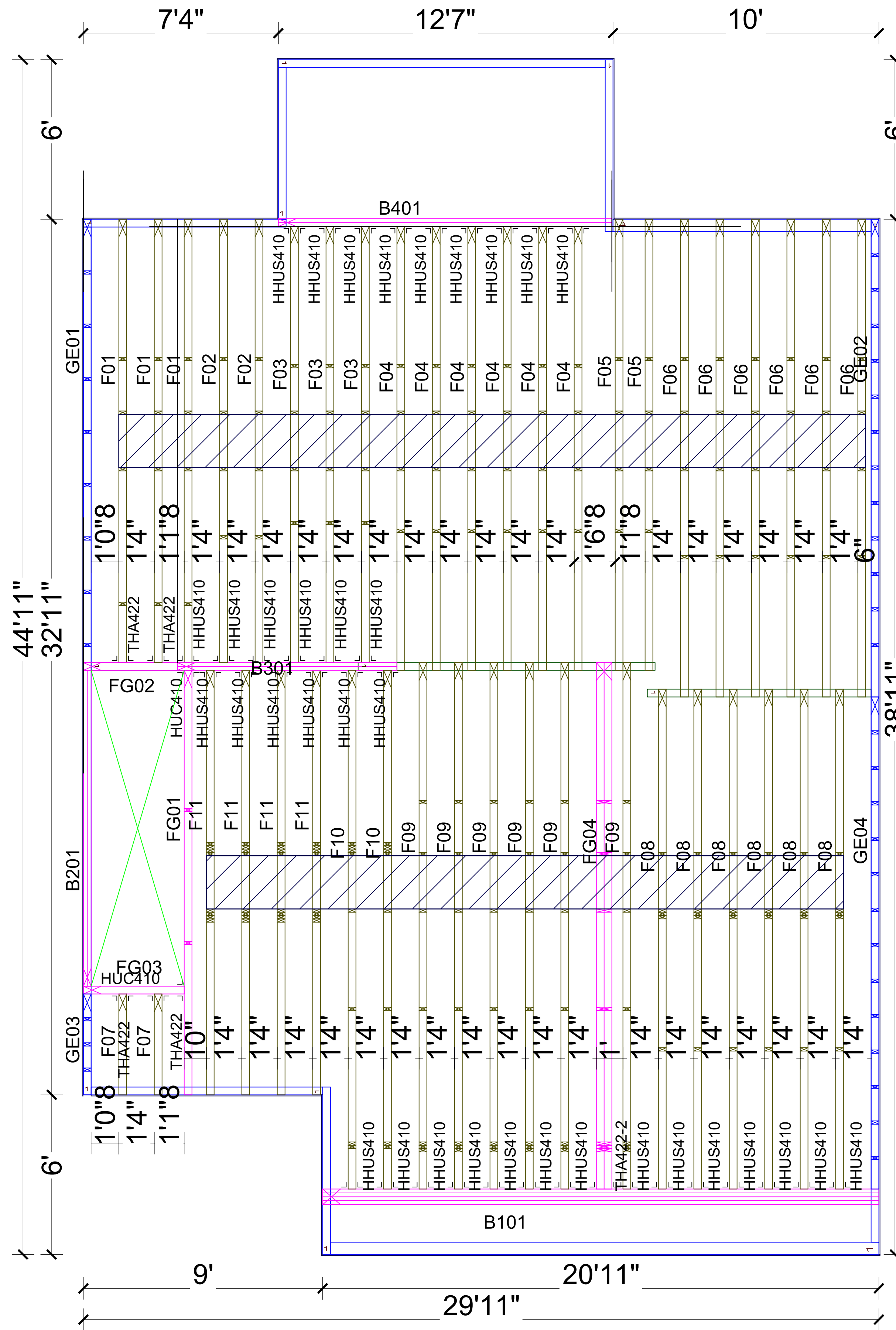


**TYPICAL PORCH POST CONNECTION DETAIL**  
SCALE: NONE  
SLAB ON GRADE SHOWN (RAISED SLAB SIM.)

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FLOOR TRUSS LAYOUT  
SCALE: NTS  
FOR CONSTRUCTION

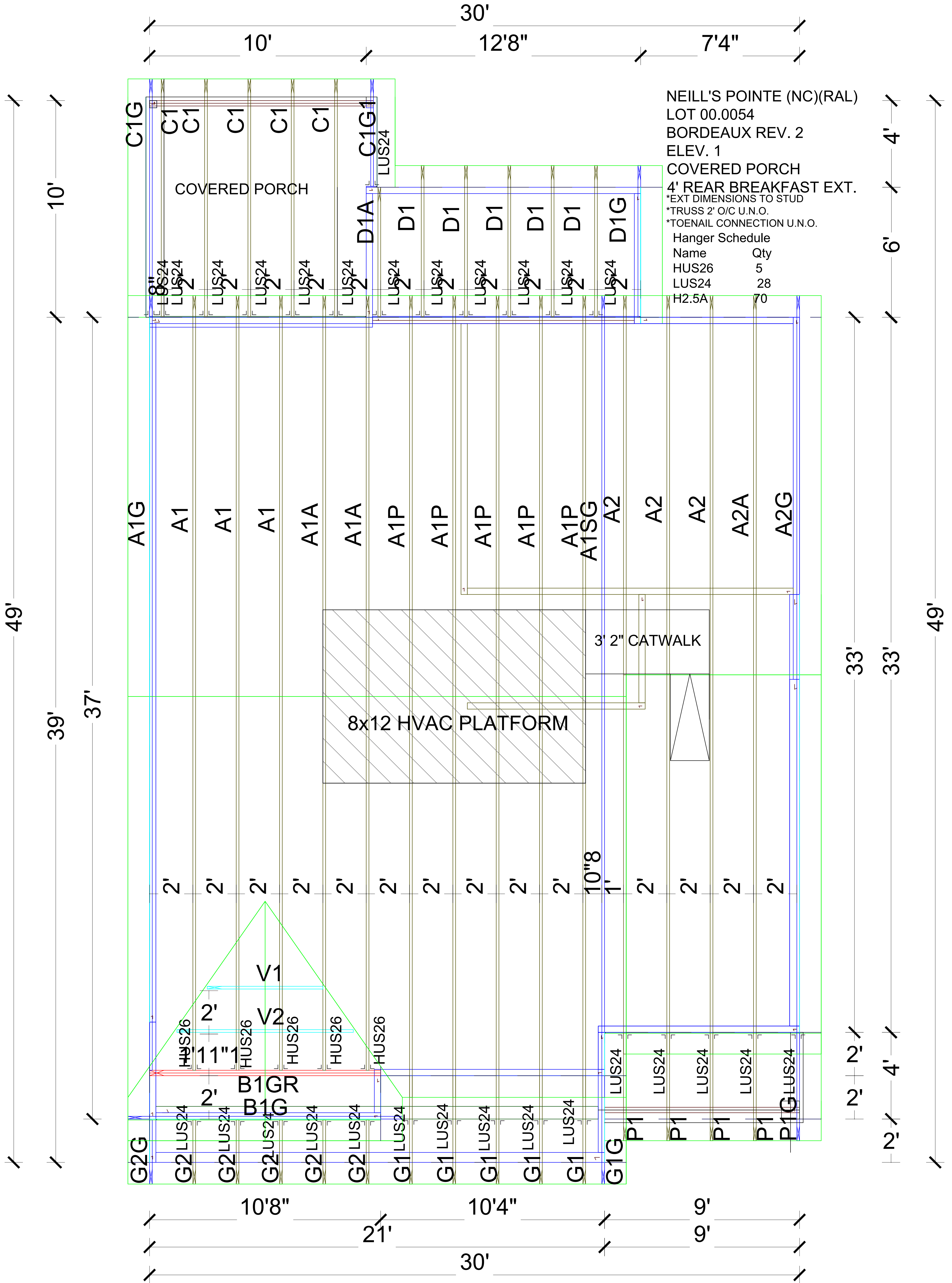


DRB RALEIGH  
FARM AT NEILLS CREEK  
LOT 54  
GRAGE LEFT  
BORDEAUX MDL  
ELEV 1

Beam Schedule			
Name:	Ply:	Size:	Length:
B101	4	1-3/4x18 LVL	22-00-00
B201	2	1-3/4x14 LVL	12-00-00
B301	2	1-3/4x14 LVL	08-00-00
B401	2	1-3/4x14 LVL	14-00-00

Hanger Schedule		
Name		Qty
Simpson THA422		4
Simpson HHUS410		35
Simpson THA422-2		1
Simpson HUC410		2

Job #: <b>Q2410-341</b>	<b>WARNING:</b> 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 TOPPING AND DOWNING DURING ERECTION, AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS (BCS 1) FOR FURTHER INFORMATION.  TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO BRACING 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.	<b>NOTE:</b> 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 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.	Customer: <b>DRB - Raleigh</b>	<b>STRUCTURAL BUILDING SOLUTIONS</b>   Third-Party Quality Assurance Licensee TPI Plant W974	
Designer: <b>Angela Javor</b>		Job Name: <b>The Farm At Neills Creek</b>			
Sales Rep: <b>Robbie Zarobinski</b>		Lot #: <b>54</b>			
		Model Name: <b>Bordeaux</b>			
			Job Path: <b>W:\JOBS\2024\QUOTES\Q2410-341</b>		



Job #: <b>Q2410-342</b>	<b>WARNING:</b> 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 DOMINATING DURING ERECTION, AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS' (BCSI 1) FOR FURTHER INFORMATION.	<b>NOTE:</b> 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 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.	Customer: <b>DRB - Raleigh</b>	<b>STRUCTURAL BUILDING SOLUTIONS</b>  Third-Party Quality Assurance Licensee TPI Plant W974 
Designer: <b>Rajkumar Yadav - BL</b>			Job Name: <b>The Farm at Neills Creek</b>	
Sales Rep: <b>Robbie Zarobinski</b>			Lot #: <b>00.0054</b>	
			Model Name: <b>Bordeaux</b>	
			Job Path: <b>C:\(000)</b>	