# NORRIS-RALE

RALEIGH - LOT 00.0092 BLAKE POND

(MODEL# 3186)

**ELEVATION 4 - GL** 



AREA CALCULATIONS  ELEVATION 4		HEATED	COVERED / UNHEATED	UNCOVERED
FIRST FLOOR		1626 SF	OTTILE	01100121122
GARAGE		1020 31	424 SF	
FRONT PORCH — ELEVATION 4			169 SF	
TRONT FORCH ELEVATION 4			103 31	
SECOND FLOOR		1587 SF		
SECOND LEGGI		1307 31		
OPTIONS				
3RD CAR GARAGE			264 SF	
OND OAK GARAGE			20 + 31	
TOTA	٨١	3213 SF	857 SF	
1017	AL	3213 31	007 31	
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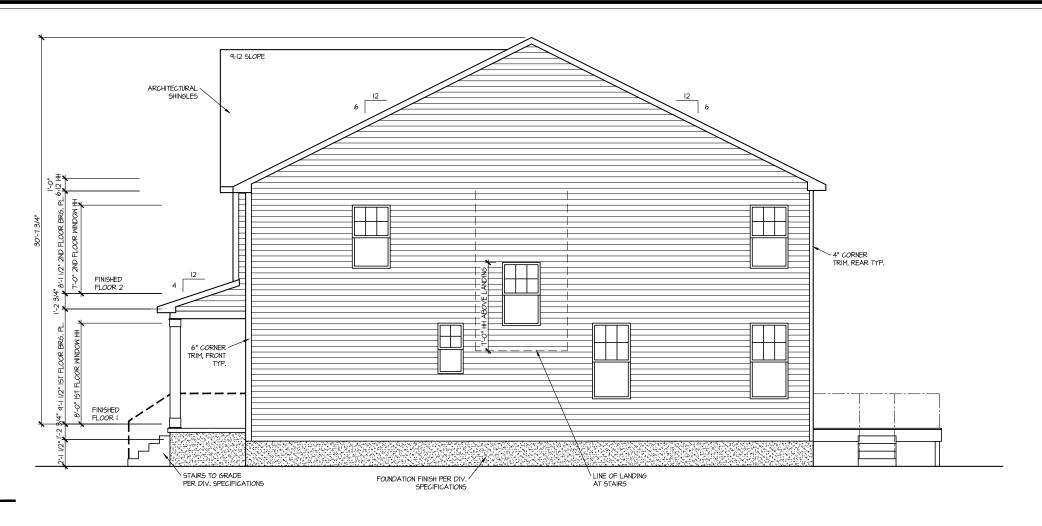
## 122 WHIMBREL COURT

LOT	SPECIFIC	
1		BLAKE POND
	201 00.0002	NORRIS REV. 99 ELEVATION 4
2	ADDRESS	122 WHIMBREL COURT LILLINGTON, NC 27546
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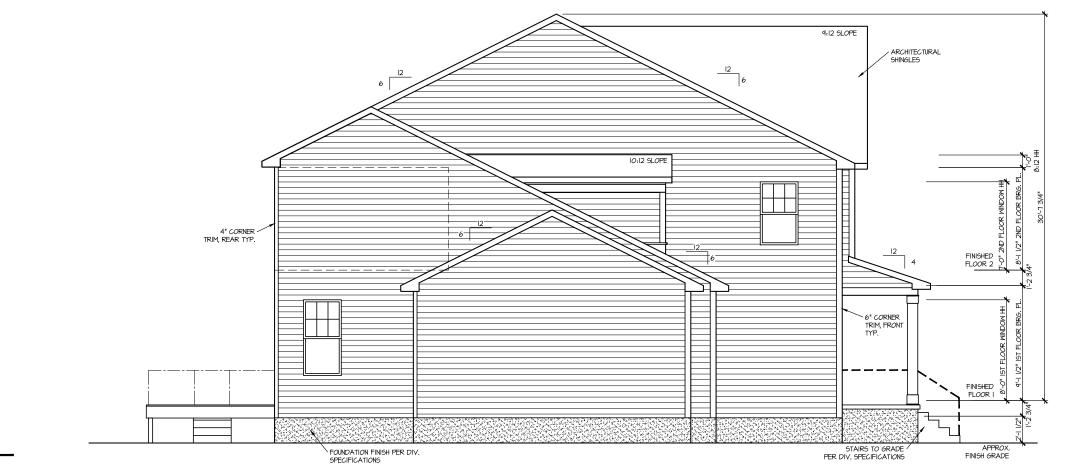
<u>INDEX</u>	
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FRONT & REAR ELEVATIONS SHEET No.



RIGHT ELEVATION 4 SCALE: 1/8" = 1'-0"



LEFT ELEVATION 4
SCALE: 1/8" = 1"-0"

RIGHT & LEFT ELEVATIONS HOUSE NAME:
NORRIS
DRAWING TITLE

UPDATED DATE 09-13-2023

DRAWN BY:

DATE: 02/08/2024 PLAN NO. 3186

SHEET No.

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA = 2341 50, FT.

OVERAL REQUIRED VENTILATION.

I TO 50 = 541 50, FT.

10 50 = 541 50, FT.

10 50 = 50 50, FT.

10 50 = 50 50, FT.

10 50 = 50 8 N TOP HIND = 5.91 - 6.26 50, FT. (1 TO 300)

NET FREE AREA OF VENTIES OFFIT = 5.1 50, IN / LINEAR FT.

NET FREE AREA OF RIDGE VENT = 10 50, IN/ LINEAR FT.

LONER VENTING, (BOTTOM 2/8 RDS)

A4 LINEAR FEET OF SOFFIT X 5.1 50. IN. = 3.33 50. FT.

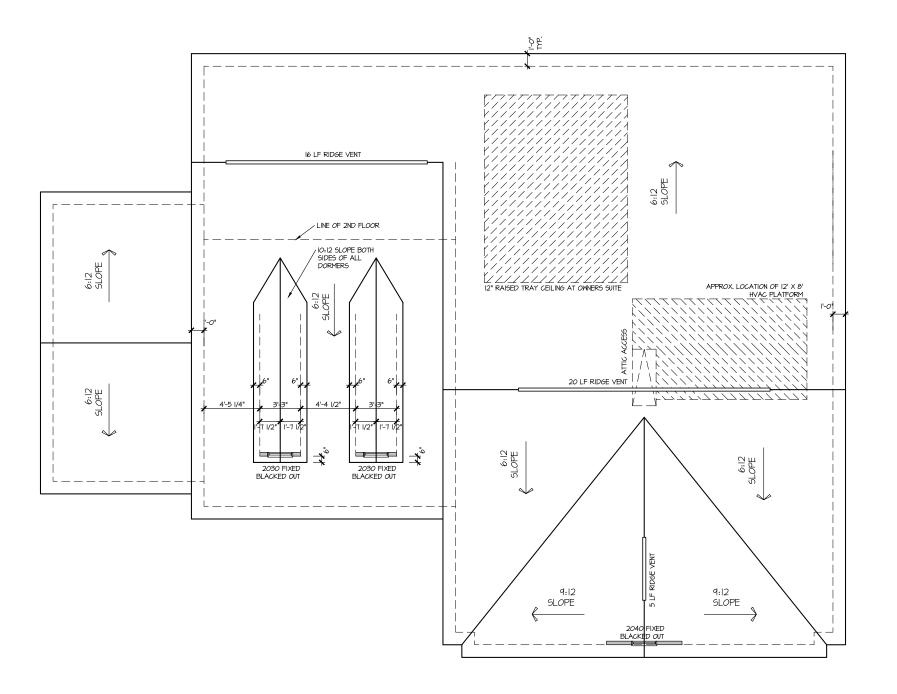
UPERE VENTING, (TOE 1/8 TD)

41 LINEAR FEET OF RIDGE X 10 50. IN = 5.13 50. FT.

5.15 50. FT. ENIVERS 50. - 6.0%

10 10 20 7 ALLUNDS

TOTAL ROOF VENTILATION 8.46 50. FT. > 1.82 50. FT. (ROTD)



ROOF PLAN ELEV. 4

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

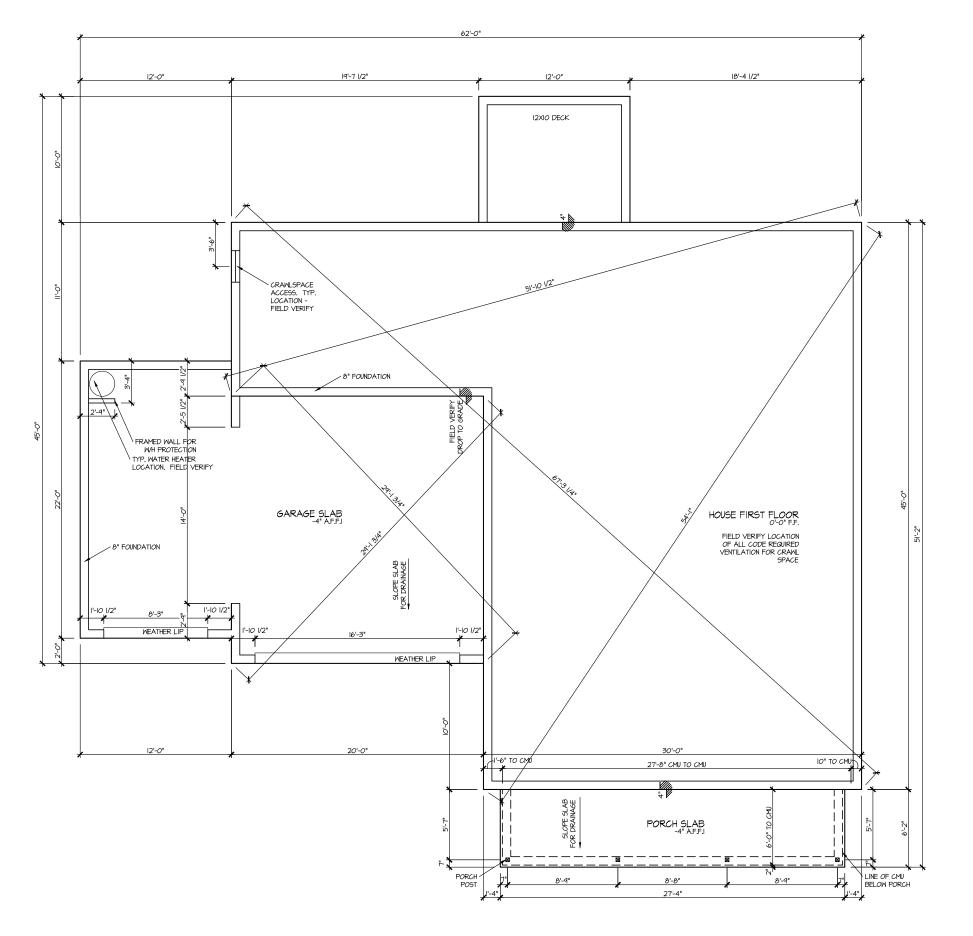
DRAWN BY:

DATE: 02/08/2024 PLAN NO. 3186



HOUSE NAME:
NORRIS
DRAWING TITLE ROOF PLAN

SHEET No. AI.3



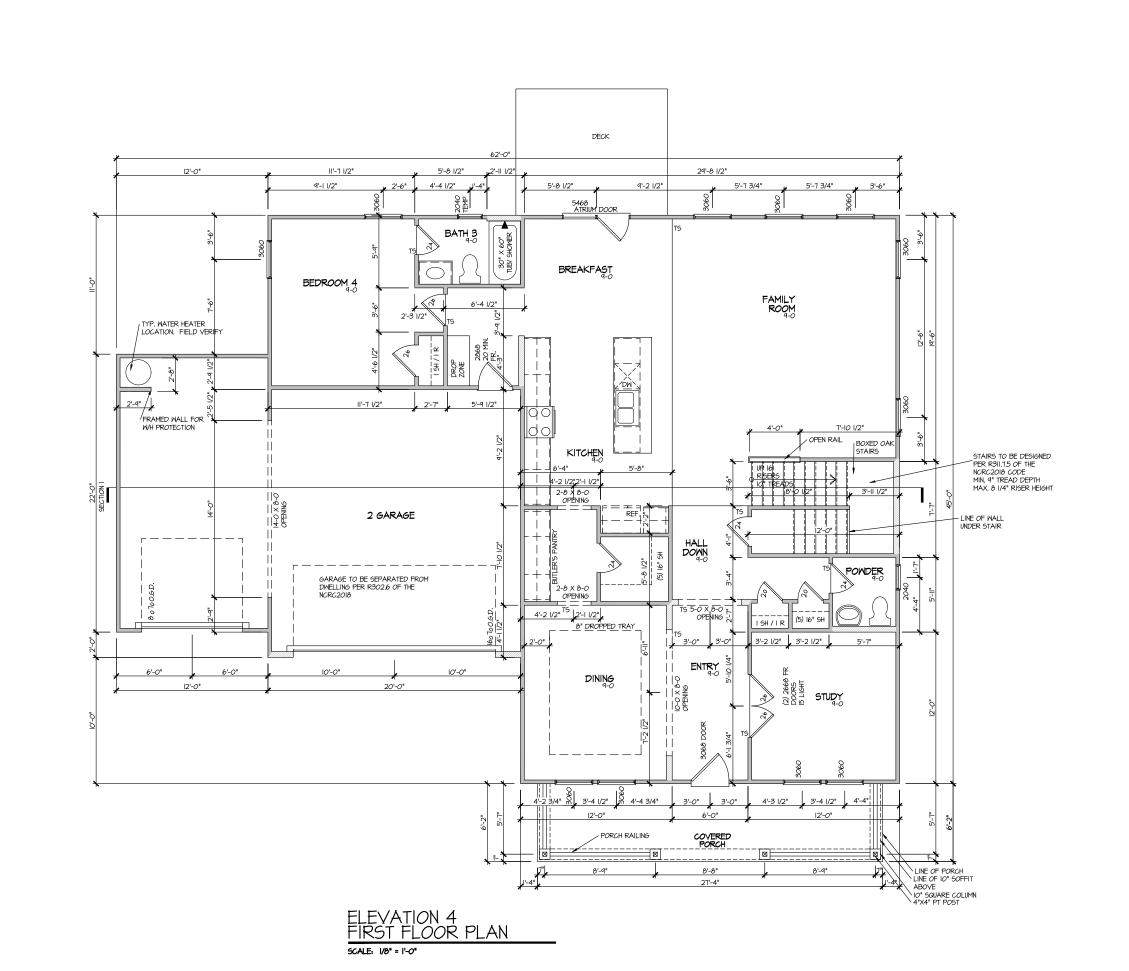
ELEVATION 4 CRAWL SPACE PLAN SCALE, 1/8" = 1'-0" | MASTER PLAN INFORMATION | REVISION | DATE | CUPDATED DATE |



CRAML SPACE PLAN

HOUSE NAME:
NORRIS
DRAWING TITLE

SHEET No.



ot 00.0092.dwg DATE: 2/8/2024 11:5

HOUSE NAME:

NORRIS

DRAWING TITLE

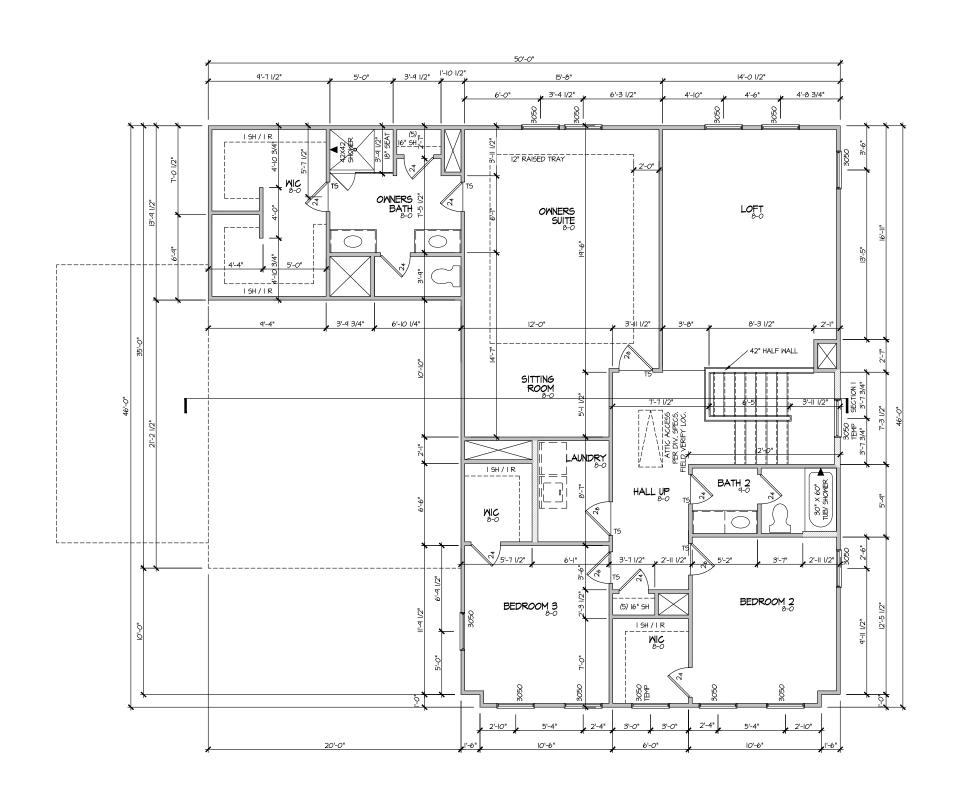
FIRST FLOOR PLAN

MASTER PL REVISION 99

DRAWN BY:

DATE: 02/08/2024
PLAN NO. 3186

SHEET No. A3.1



ELEVATION 4 SECOND FLOOR PLAN SCALE: 1/0" = 1'-0"

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HOUSE NAME:

NORRIS

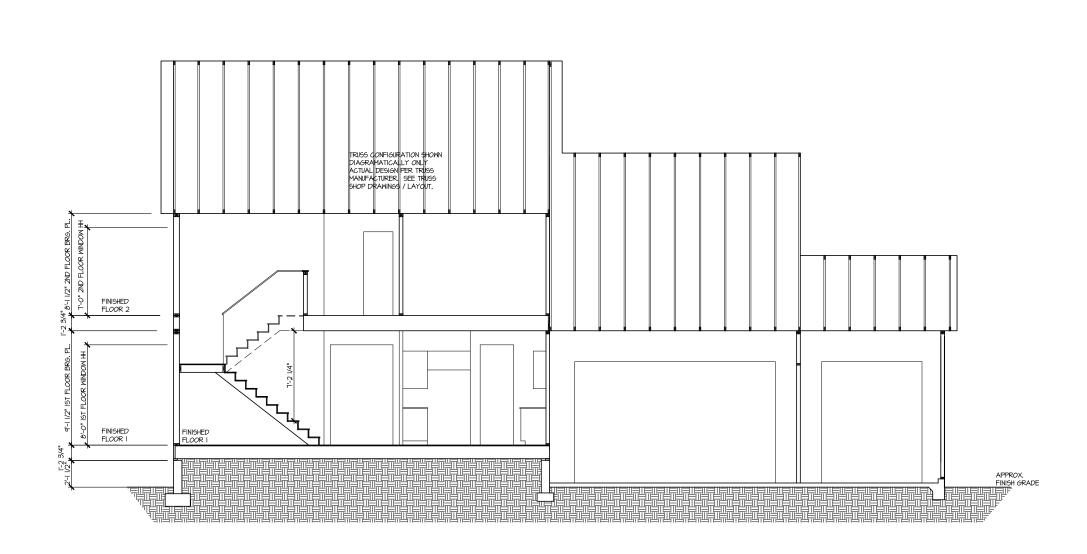
DRAWING TITLE

SECOND FLOOR PLAN

SHEET No. A3.2

DRAWN BY:

DATE: 02/08/2024 PLAN NO. 3186



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

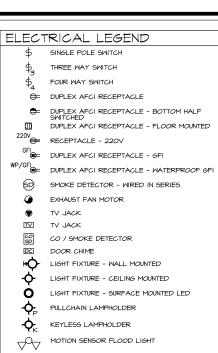
DRAWN BY:

DATE: 02/08/2024 PLAN NO. 3186

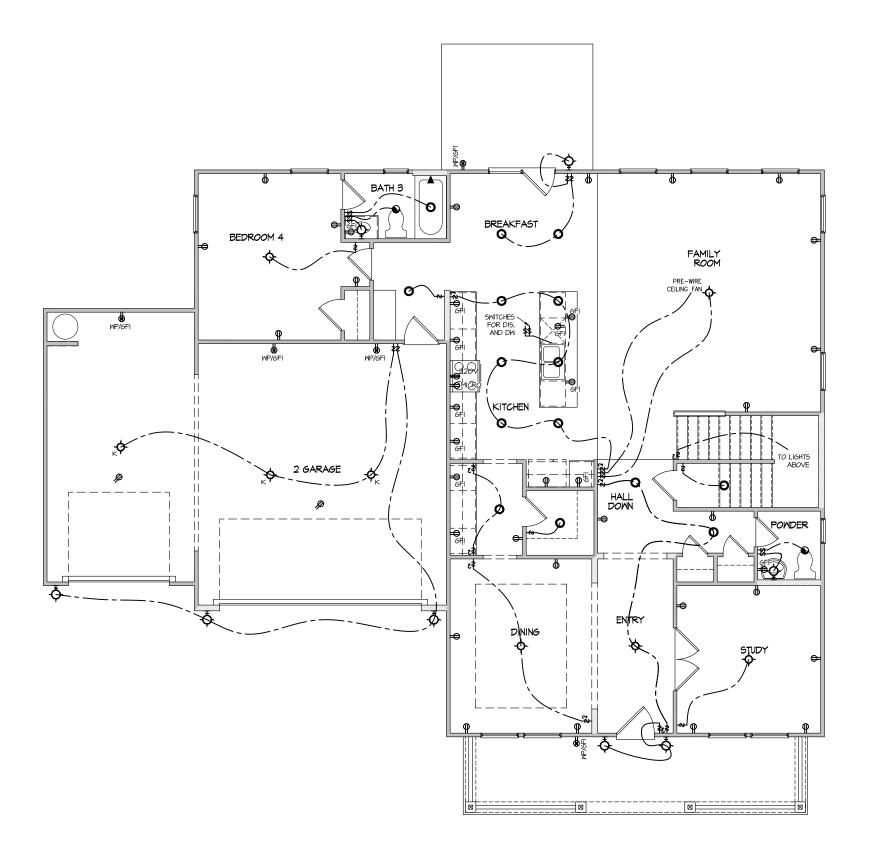


BUILDING SECTION HOUSE NAME:
NORRIS
DRAWING TITLE

SHEET No. A4.I



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

SHEET No.

HOUSE NAME:
NORRIS
DRAWING TITLE

ELECTRICAL

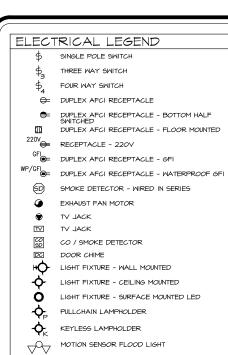
FLOOR

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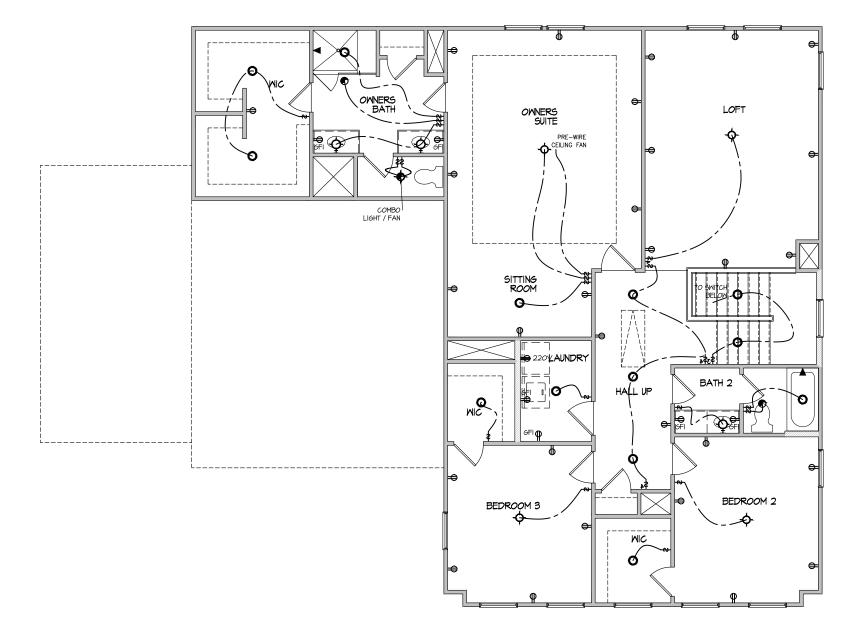
PLAN NO. 3186

DATE: 02/08/2024

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

SECOND FLOOR ELECTRICAL HOUSE NAME:
NORRIS
DRAWING TITLE

SHEET No.

UPDATED DATE 09-13-2023

DRAWN BY:

DATE: 02/08/2024 PLAN NO. 3186

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 <b>0</b> 4" o.c.	(3) NAILS <b>9</b> 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	(9) NAILS IN LAPPED AREA	(II) NAILS IN LAPPED AREA
TOP PLATE LAP @ CORNERS &	(2) NAILS	(2) NAILS
INTERSECTING WALLS		

2½"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 FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY 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 FLEMEN N 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.

TRUGGES/ LOIGTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUS BEAMS DO NOT EXCEED THE FOLLOWING:

- A ROOF TRUSSES:
- I/4" DEAD LOAD FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS
- I/8" DEAD LOAD FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS: LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

#### GENERAL STRUCTURAL NOTES

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

#### DESIGN LOADS

ROOF DEAD = 7 PSF T.C., IO PSF B.C.

LOAD DURATION FACTOR = 1.25

LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAWN) IO PSF T.C., 5 PSF B.C. (TRUSSES) (ADD'L IO PSF @ TILE)

LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B.

2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

#### GENERAL FRAMING

- ALL TYP, NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS, ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(I) FOR ALL CONNECTIONS, TYP, U.N.O.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS, 0 16" O.C. SPF OR SYP "STUD" GRADE LUMBER, OR BETTER, U.N.O. • WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRICE-PINE-FIR #2 (SPF) 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. UN.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=3I0 psi: E=I,55xI0^6 psi
- 'LVL' Fb=2600 psi; Fv=285 psi; E=2.0xI0^6 psi 'PSL' - FB=2900 PSI; FV=290 PSI; E=2.0XI0^6 PSI
- M+K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO M+K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3/5" SIMPSON SDS SCREMS (OR 3½" TRUSSLOK SCREMS) @ 16" O/C. USE A MINIMUM OF 3 ROMS 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 K" OR 5 K" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 \$ 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROMS OF  $\frac{1}{4}$ "x6" SIMPSON SDS SCREWS (OR 6  $\frac{3}{4}$ " TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER, APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE, A SOLID 7" BEAM IS ACCEPTABLE
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
- THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, 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 I/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABM44Z 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 M&K FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE I I/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 I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W GLUE AND
- 2 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES € @ 12"o.c. FIELD. - 2 3 × 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
- 2 3" x 0,113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.
- #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.

#### ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN FACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES (3) H2 5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 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. (1-JOISTS) - TRUSS VERTICALS W/ (3) 3"x0.131" NAILS @ 19.2" O.C. MAX. (FLOOR TRUSSES)
- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
- W/ 2 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES € @ 12" O.C. FIELD. - w/ 2 (8 × 0.120" NAILS @ 4"o.c. @ PANEL EDGES & @ 8" O.C. FIELD.
- W/ 2 3" x 0.113" NAILS @ 3"O.C. @ PANEL EDGES & @ 6" O.C. FIELD.

#### VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x¼"
	3 FT. MAX	L3"x3"x¼"
6'-0"	I2 FT. MAX	L4"x3"x¼"
	20 FT. MAX	L5"x3½"x¾;"
8'-O"	3 FT. MAX	L4"x4"x¼" "
	I2 FT. MAX	L5"x3½"x%;"
	I6 FT. MAX	L6"x3½"x%"
9'-6"	I2 FT. MAX	L6"x3½"x¾6"
16'-0"	2 FT. MAX	L7"x4"x½" **
	3 FT. MAX	L8"x4"x½" **

## 34 PPORT 2 5½° - 3½° VENEER № 40 pol MAXIMUM MEIGHT L HAVE 4° MIN. BEARING L NOT BE FASTENED BACK TO HEADER.

- I/O SHALL NOT BE PASTENDE PACK TO FEADER IN WALL #46% C. M //S DIA. X 3/5/
  LONG LOR PROSPRED PACK TO DOD FEADER IN WALL #46% C. M //S DIA. X 3/5/
  LONG LOR PROSPRED PACK TO MORPOWAY. YE COTTED PACES.

  HOWEVER HAVE BE SHOWN THE WORK TO MORPOWAY. TO SHOW THE OFFINISH.

  ALL INITIES SHALL BE LIAM LEE VERTICAL.

  HERE SHPORTING VEHERA C? M NIDE HE EXTENCE TOE OF THE MORZONTAL LEE

  MAY BE CUT IN THE FILED TOE BE 3/7 NIDE OWN THE BEARNIS LIBERT OWN. THIS

  STO ALLOW FOR VEXTICAL SUM FRINCHING.

  STO ALLOW FOR VEXTICAL SUM FRINCHING.
- R QUEEN YENEER USE L4x344". OR 3½" YENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" THICK.

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

#### LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 20 MPH WIND IN 2018 NCSBC:RO

(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 R30113 OF THE 2018 NCSBC-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 NCSBC:RC SECTION R802.II.I. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602 3 5& R802 II

#### EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W 2 3/8"XO.II3" NAILS @ 6" O.C. AT EDGES \$ @ 12" O.C. IN THE PANEL FIELD. TYP, U.N.C.
- 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: 1½" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES \$ @ 6" O.C IN FIELD.

#### BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING w/ 2 36" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 34" 16 GA STAPLES (1/6" 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 SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING

- 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 SHEARWAI OR 3" O.C. OSB SHEARWALL.

► INDICATES HOLDOWN 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, I2" MAX, FROM PLATE ENDS - UTIL I7ING
- I/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 IO' 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 VERIEY 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. SPF OR SYP, "STUD" GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACL 318 CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.: 4,000 psi: ...... FOUNDATION WALLS 2,500 psi: ...... FOOTINGS & INTERIOR SLABS ON GRADE 3,000 psi: ...... GARAGE & EXTERIOR SLABS ON GRADE
- 60,000 psi BASEMENT FOUNDATION WALL DESIGN BASED ON:
- · 9' OR 10' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED.
- NOMINAL WIDTH (91/3" 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 (I.I RATIO) WITH A MAXIMUM OF I.15 RATIO · CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (F'm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 € 530.I.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2×8 × 16" LONG PT 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.
- 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

#### HOLD-DOWN SCHEDULE

DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

BE DETERMINED BY PEST CONTROL COMPANY.

SYMBOL	SPECIFICATION
► HD-I	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 STHD14/14RJ HOLD-DOWN

ALTERNATIVE TO SSTB24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN %" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF, RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF FOUNDATION

a: 2/23/24 TH CAR PROFESSION, O. MGINE SEPHT. R





I&K project numbe 126-2306

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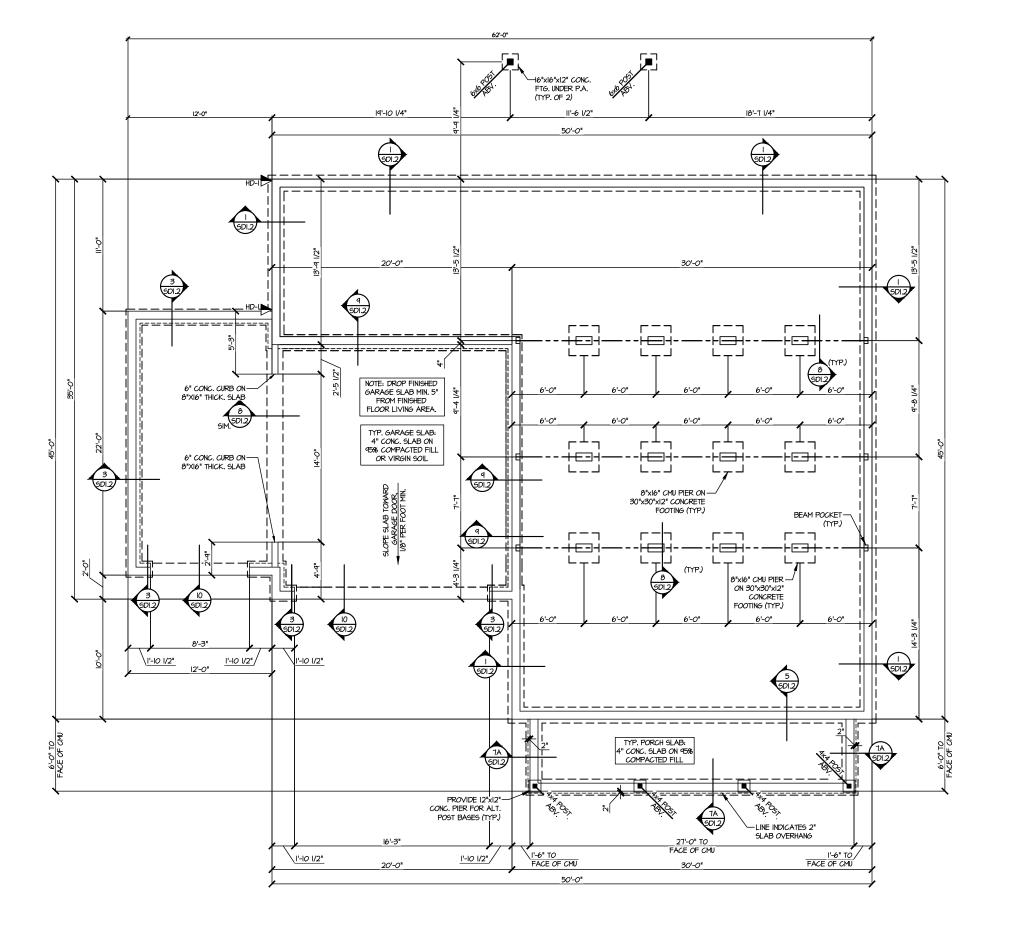
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KE PONI 2 - NORRIS 4 AK 192 -Eigh BL. LOT RAL



a: 2/23/24 "H CAR SENGINEE WEPH T. R.

MULHERN+KUL

MESIDENTIAL STRUCTURAL ENGINEERI

M&K project number:

126-2306 **JTR** 

drawn by: issue date: 02-12-24

REVISIONS:

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#### LEGEND

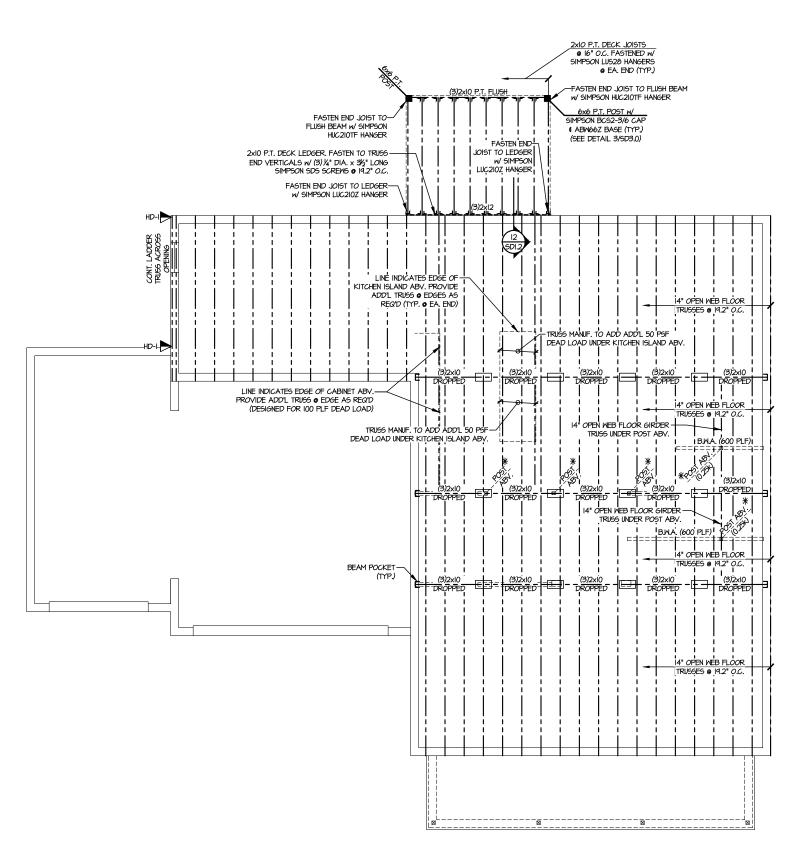
- IIIII INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- ---- BEAM / HEADER
- = = INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- \* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

S1

BLAKE POND Lot 92 - norris 4 raleigh, nc

OUNDATION



ENGINEERED BEAM MATERIAL SCHEDULE LVL OPTION PSL OPTION STEEL OPTION 001 (3)13/4"×11/4" - H 5¼"xI¼" - H (3)1¾"x11%" - H N/A N/A (2)2XI2 + (I) %"XIK" STEEI FLITCH PLATES - F 002 (2)13/4"×14" - F 36"x14" - F (3)|3/4"×|4" - F WI2xI4 - F (2)2XIO + (I) %"X9¼" STEEI FLITCH PLATES - H 003 (2)13/4"×91/4" - H (2)13/4"x11/4" - H 3K"x9¼" - H N/A (2)2XIO + (I) %"X4" STEEL FLITCH PLATES - H 004 (2)134"×944" - H 3½"x9¼" - H (2)134"x114" - H N/A (3)2XI2 + (2) I"XII¼" STEEI FLITCH PLATES - F 005 (4)13/4"x18" - FT 7"xl8" - FT WI2x30 - F 006 (3)134"x11%" - H (3)13½"×11½" - H 5¼"xI¼" - H N/A WA 001 (2)13/4"×14" - H N/A N/A

BEAM NOTATION:

- "F" INDICATES FLUSH BEAM
- "FI" INDICATES FLUSH BOTOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "P" INDICATES FLUSH BOTTOM BEAM
- "H" INDICATES DROPPED BEAM
- "H" INDICATES DROPPED DEPLING HEADER
REFER TO DETAIL E1/50/20 FOR TYPICAL FLITCH BEAM CONNECTIONS
REFER TO DETAIL E2/50/20 FOR TYPICAL STEEL BEAM CONNECTIONS
FOR FLUSH TOP DEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN
PLATES IN BICK ESEGION W(X) BY AND AS AS CO. PLATES IN SUCCESSION W (2) 3"X0,120" NAILS **9** 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.

al: 2/23/24 TH CAR OR. OSEPH T. RI

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI



M&K project number: 126-2306

**JTR** drawn by: issue date: 02-12-24

REVISIONS:

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OR

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

#### LEGEND

- IIIIIII 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.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

IST FLOOR FRAMING PLAN

BLAKE POND Lot 92 - norris 4 raleigh, nc

ENGINEERED BEAM MATERIAL SCHEDULE LVL OPTION PSL OPTION LSL OPTION FLITCH OPTION 001 (3)13/4"×11/4" - H 514"x114" - H (3)134"x1136" - H 2)2XI2 + (I) %"XIK" STEEL FLITCH PLATES - F 002 (2)13/4"×14" - F 36"x14" - F (3)13/4"×14" - F WI2xI4 - F 2)2XIO + (I) %"X4K" STEEL FLITCH PLATES - H N/A (2)13/4"x9/4" - H 3K"x9K" - H (2)13/4"x11/4" - H 2)2XIO + (I) %"X44" STEEI FLITCH PLATES - H 004 (2)13/4"×9/4" - H 3½"x9¼" - H (2)134"x114" - H N/A 3)2XI2 + (2) I"XII¼" STEEL FLITCH PLATES - F 005 (4)|3/4"x|8" - FT WI2x30 - F 7"xI8" - FT 006 (3)13/4"×11/4" - H 5¼"xI¼" - H (3)1¾"x11%" - H N/A N/A 007 N/A N/A (2)13/4"×14" - H N/A N/A

BEAM NOTATION: - "F" INDICATES FLUSH BEAM

- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM

- "I" INDICATES DROPPED OPENING HEADER
REFER TO DETAIL EI/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
REFER TO DETAIL EI/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS

FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN

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.

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

#### LEGEND

- IIIIIII 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.

TYPICAL STRUCTURAL NOTES & SCHEDULES

REFER TO SO.O FOR

CAR SEPHT. R MULHERN+KUL

MESIDENTIAL STRUCTURAL ENGINEERI

a: 2/23/24

M&K project number: 126-2306

**JTR** rawn by: ssue date: 02-12-24

REVISIONS:

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JAKE POND 192 - NORRIS 4 LEIGH, NC BLAKE LOT 92 - N RALEIGH, D

2ND FLOOR FRAMING PLAN



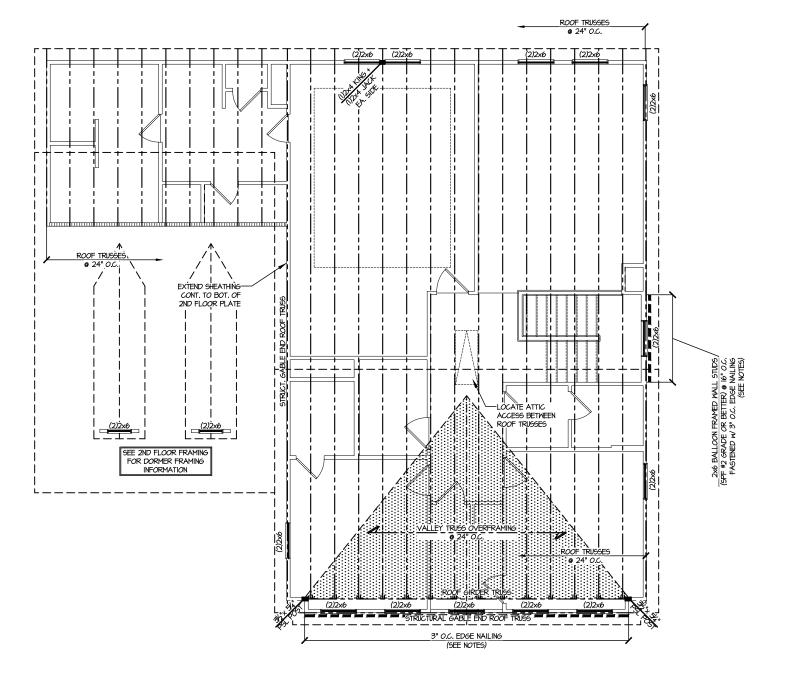
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- IIIIIII INTERIOR BEARING WALL ● □===□ BEARING WALL ABOVE
- BEAM / HEADER
- == INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- \* INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN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

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

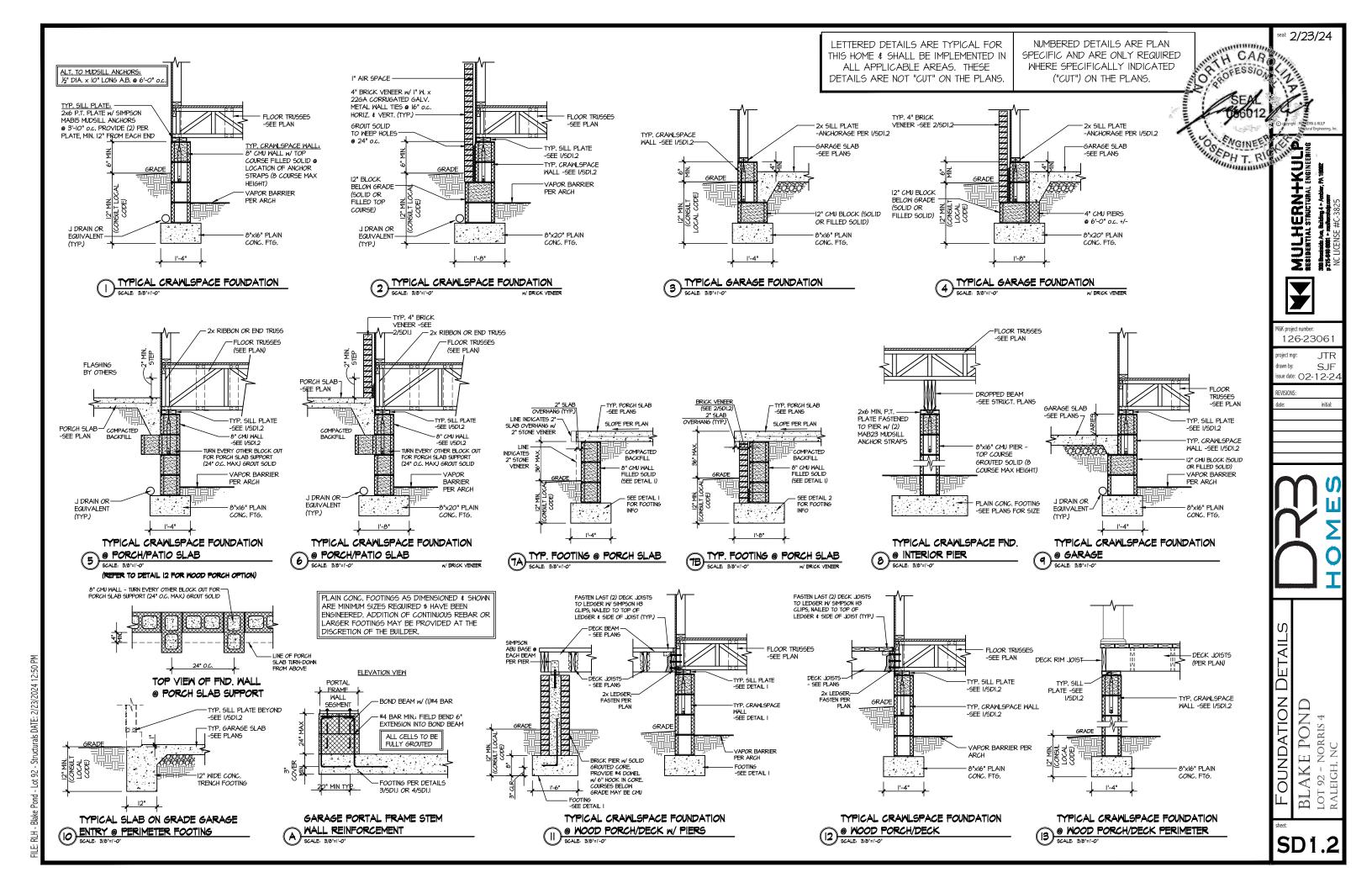


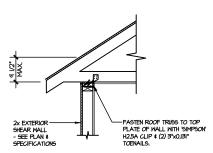
ROOF FRAMING PLAN SCALE: 1/0"=1'-0"

BLAKE POND Lot 92 - norris 4 raleigh, nc

FRAMING

ROOF

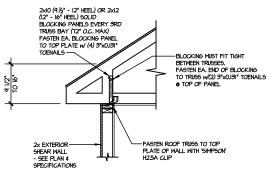




#### TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

SCALE: 3/8'=1'-0' HEEL HEIGHT LESS THAN HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQD

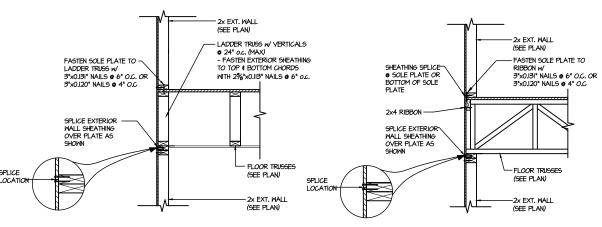


#### TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

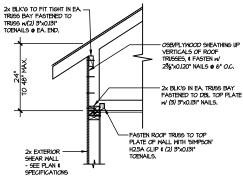
SCALE: 3/8'=1-0' HEEL HEIGHT BETWEEN 4.)



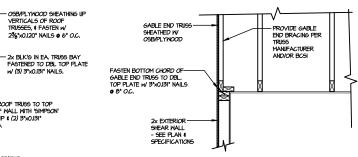


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE SIGNALIFONS
PARALLE FROM

TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE 9/9"-1"-0" FENTEDICLER FRAS

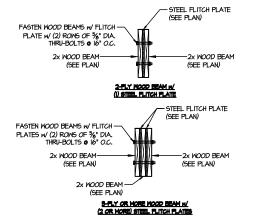


### TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS

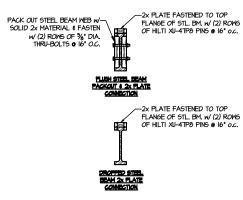


TYPICAL GABLE END DETAIL

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



TYPICAL FLITCH BEAM CONNECTION DETAIL SCALE 944-14-0\*



TYPICAL STEEL BEAM CONNECTION DETAIL
SCALE 9/4\*-1"-0"

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.

RAMING DETAIL BLAKE POND Lot 92 - norris 4 raleigh, nc

a: 2/23/24

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

M&K project number:

drawn by:

REVISIONS:

126-2306

issue date: 02-12-24

**JTR** 

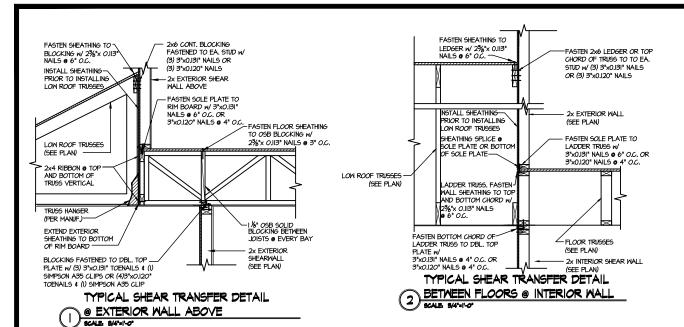
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**SD2.0** 



· 2x6 CONT. BLOCKING FASTENED TO EA. STUD w/

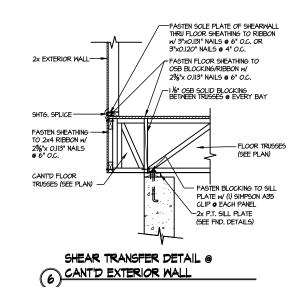
(3) 3"x0.131" NAILS OR

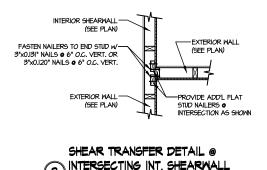
FASTEN SOLE PLATE OF SHEARWALL TO FLUSH BEAM W 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C.

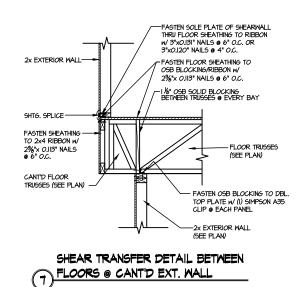
- FI OOR TRUSSES

FLUSH TOP BEAM

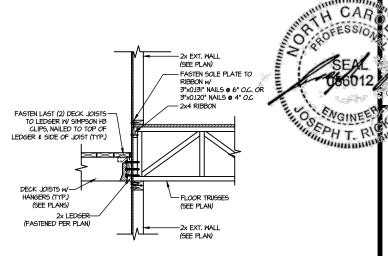
(3) 3"x0.120" NAILS



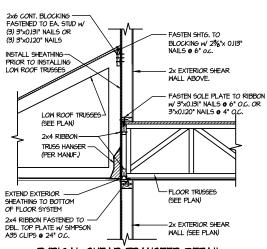




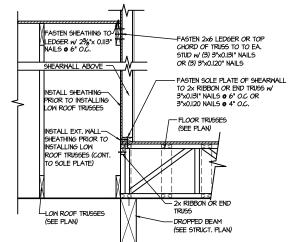
SHTS, ON SAME PACE



DECK LEDGER CONNECTION DETAIL



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @

5 EXTERIOR SHEARWALL ABOVE

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE

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

SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

FASTEN SHEATHING TO BLOCKING w/ 23/8"x 0.113" NAILS @ 6" O.C.

INSTALL SHEATHING

LOW ROOF TRUSSES

LOW ROOF TRUSSES

(SEE PLAN) -

PRIOR TO INSTALLING

EXTEND SHEATHING TO — BOT. OF BEAM & FASTEN PER SPECIFICATION ON PLAN

TRUSS HANGER (PER MANUE.)

DETAILS ARE NOT "CUT" ON THE PLANS.

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SD2.1A

AKE PONI F 92 - NORRIS 4 LEIGH, NC

r 92 – Leigh,

a: 2/23/24

ERN+KULP STRUCTURAL ENGINEERING

I&K project number

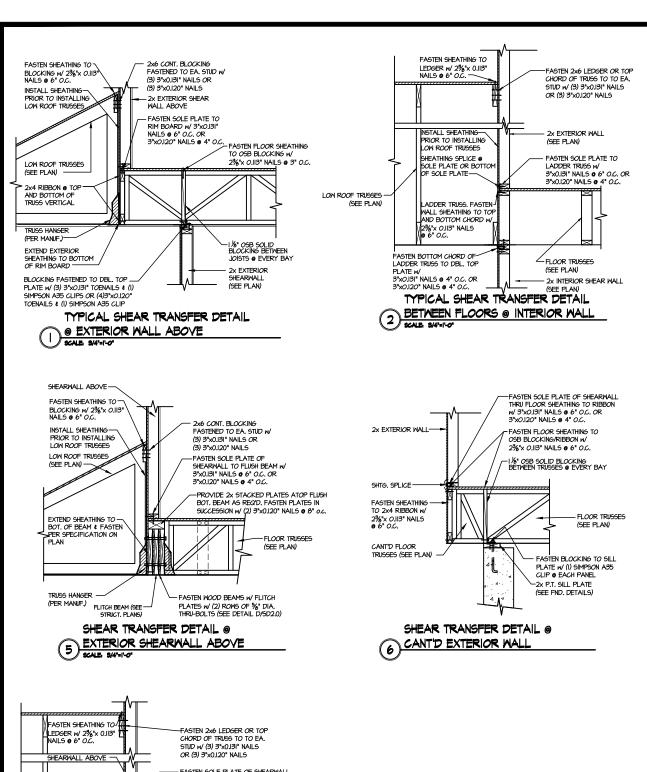
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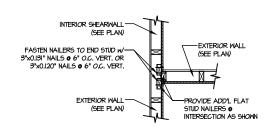
126-2306

ssue date: 02-12-2

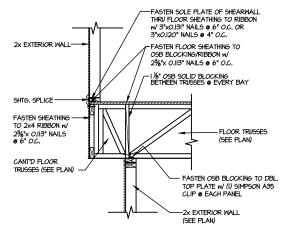
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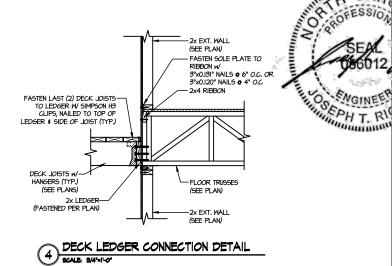


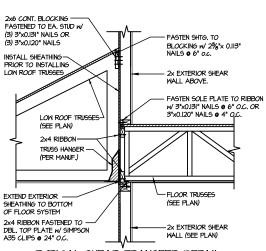


SHEAR TRANSFER DETAIL @ NINTERSECTING INT. SHEARWALL **(3**)



SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL





TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

-Fasten sole plate of shearwall to 2x ribbon or end truss w 3"x0.131" nails @ 6" O.C or NSTALL SHEATHING-PRIOR TO INSTALLING 3"x0.120 NAILS @ 4" O.C. OW ROOF TRUSSES -FLOOR TRUSSES (SEE PLAN) NSTALL EXT. WALL INSTALLING LOW ROOF TRUSSES (CONT. O SOLE PLATE) - 2x RIBBON OR END -LOW ROOF TRUSSES (SEE PLAN) (SEE STRUCT, PLAN) SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE SCALE SIAT-11-0"

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

(8)

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

AKE PONI F 92 - NORRIS 4 LEIGH, NC Ü Г 92 – LEIGH, BL

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REVISIONS

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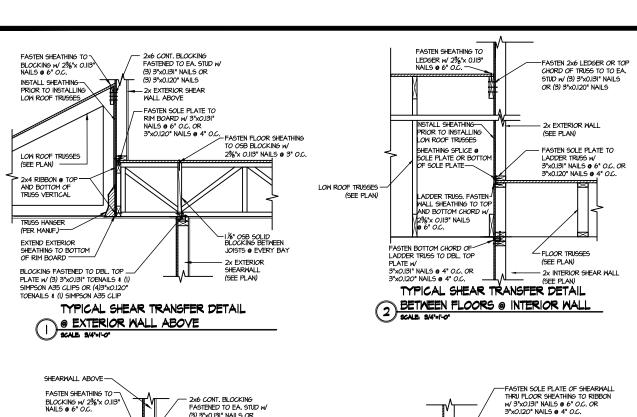
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SD2.1B



FASTEN SOLE PLATE OF

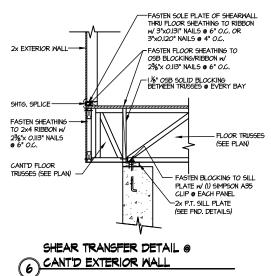
SHEARWALL TO FLUSH BEAM W/ 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C.

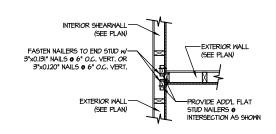
- 2x PLATE FASTENED TO TOP FLANGE OF STL. BM. w/ (2) ROWS OF HILTI XU-47P8 PINS @ 16" O.C.

PACK OUT STEEL BEAM WEB w/ SOLID 2x

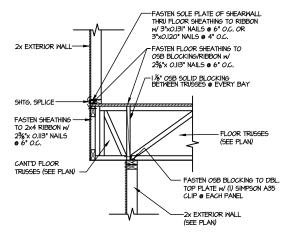
MATERIAL & FASTEN W/ (2) ROWS OF %" DIA THRU-BOLTS (SEE DETAIL E/SD2.0)

-FLOOR TRUSSES (SEE PLAN)

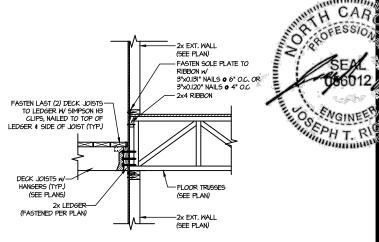




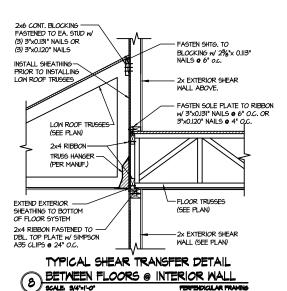
SHEAR TRANSFER DETAIL @ 3 INTERSECTING INT. SHEARWALL



SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



DECK LEDGER CONNECTION DETAIL



a: 2/23/24

ERN+KULP STRUCTURAL ENGINEERING

I&K project number

REVISIONS

126-2306

ssue date: 02-12-2

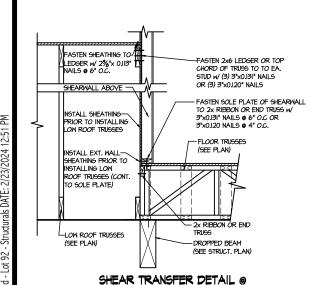
**JTR** 

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AKE PONI F 92 - NORRIS 4 LEIGH, NC г 92 – ЕІСН, BL

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



EXTERIOR SHEARWALL ABOVE

SHEAR TRANSFER DETAIL @

5 EXTERIOR SHEARWALL ABOVE

INSTALL SHEATHING

LOW ROOF TRUSSES (SEE PLAN)

PRIOR TO INSTALLING LOW ROOF TRUSSES

BOT. OF BEAM & FASTEN
PER SPECIFICATION ON

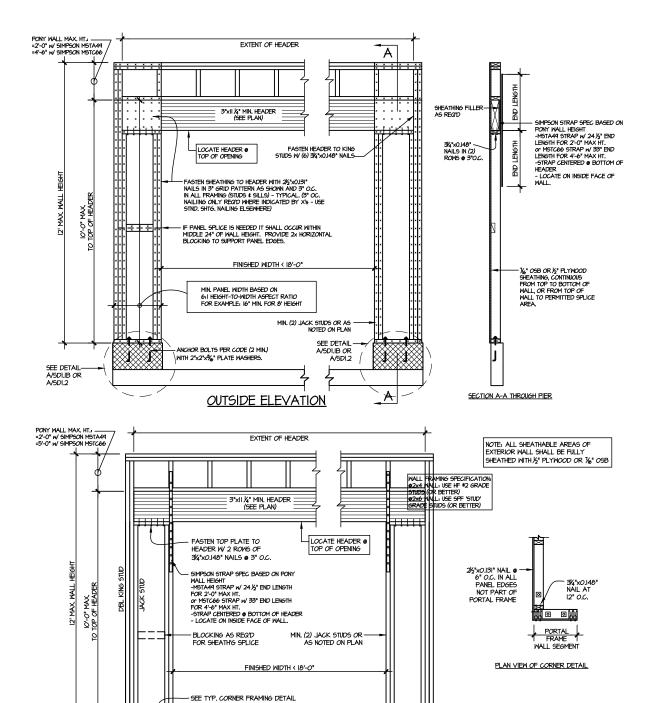
(PER MANUF.)

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

SD2.1C



initial:



**INSIDE ELEVATION** 

- 1/2" DIA, ANCHOR BOLT W 7" MIN, EMBEDMENT \$ 2"x2"x3/16" PLATE WASHER, TYP.

TWO SIDED GARAGE PORTAL FRAME BRACING

ELEVATION ON CMU STEM SCALE: N.T.S.

SCALE: N.T.S.

ALTERNATIVE TO ½" DIA, ANCHOR BOLT:

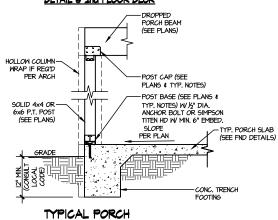
-(1) ½" DIA, THREADED ROD EPOXY SET

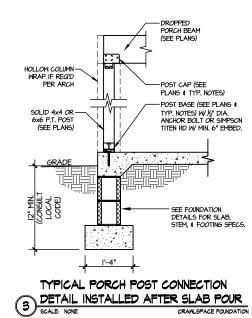
W4½" EMBED, (MIN) UTILIZING HILTI HY200

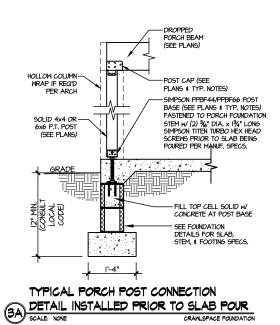
EPOXY ANCHORING SYSTEM (OR EQUAL)

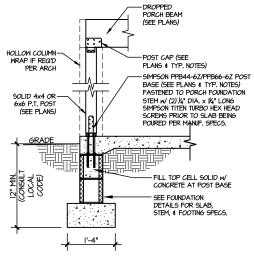
## TYPICAL CONNECTION DETAIL @ 2nd FLOOR DECK

POST CONNECTION DETAIL
SCALE: NONE









TYPICAL PORCH POST CONNECTION BETAIL INSTALLED PRIOR TO SLAB POUR
SCALE: NONE CRANLSPACE FOUNDATION

M&K project number: 126-2306

issue date: 02-12-24

drawn by:

REVISIONS:

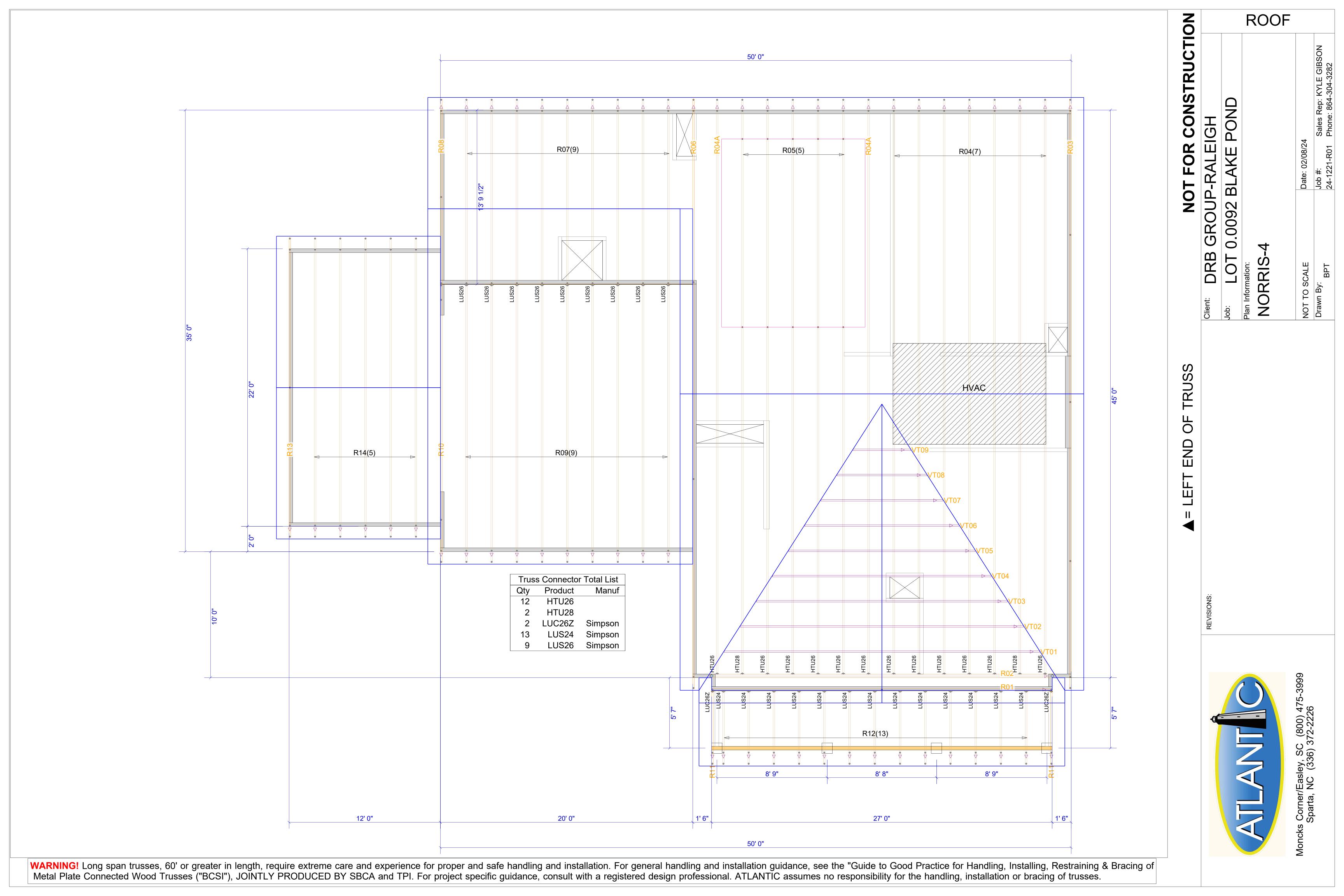
**JTR** 

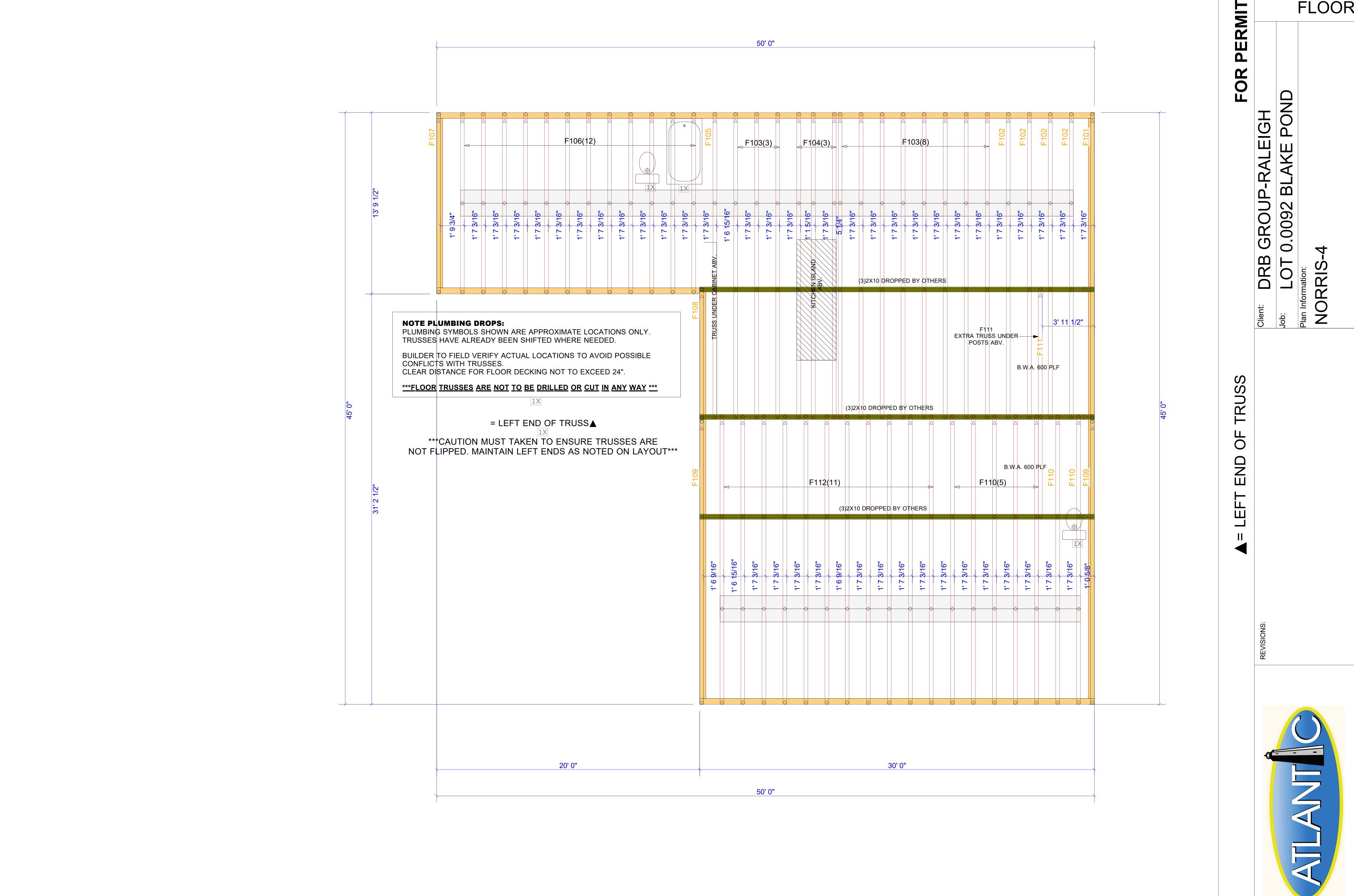
initial:

RAMING DETAILS

BLAKE POND Lot 92 - norris 4 raleigh, nc

**SD3.0** 

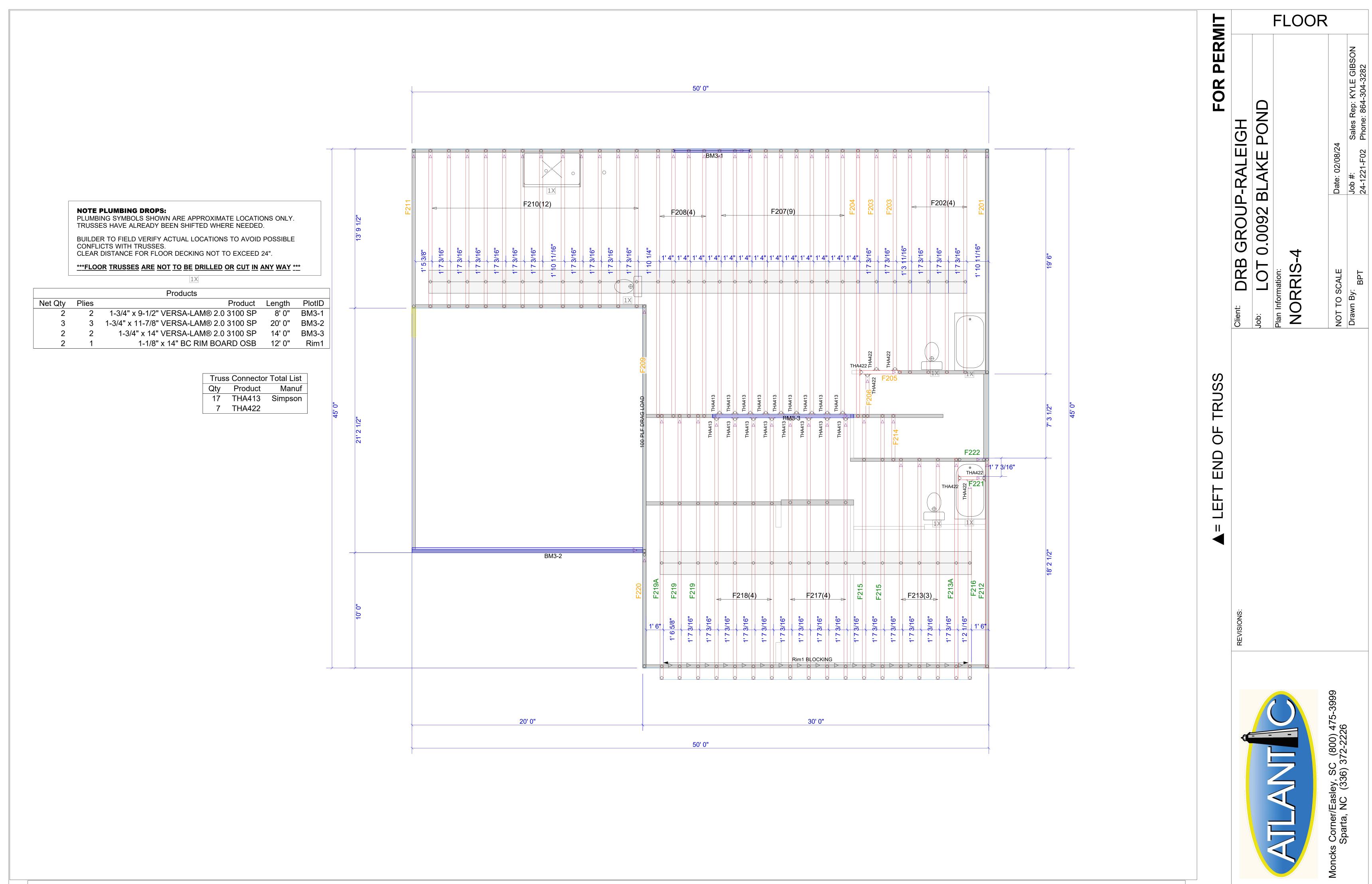




Date: 02/08/24 Job #: 24-1221-F01 TO So NOT TO Drawn

**FLOOR** 





WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and safe handling and installation guidance, see the "Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), JOINTLY PRODUCED BY SBCA and TPI. For project specific guidance, consult with a registered design professional. ATLANTIC assumes no responsibility for the handling, installation or bracing of trusses.