JORDAN-RALE

RALEIGH - LOT 00.0099 BLAKE POND

(MODEL# 2993)

ELEVATION 3 - GR

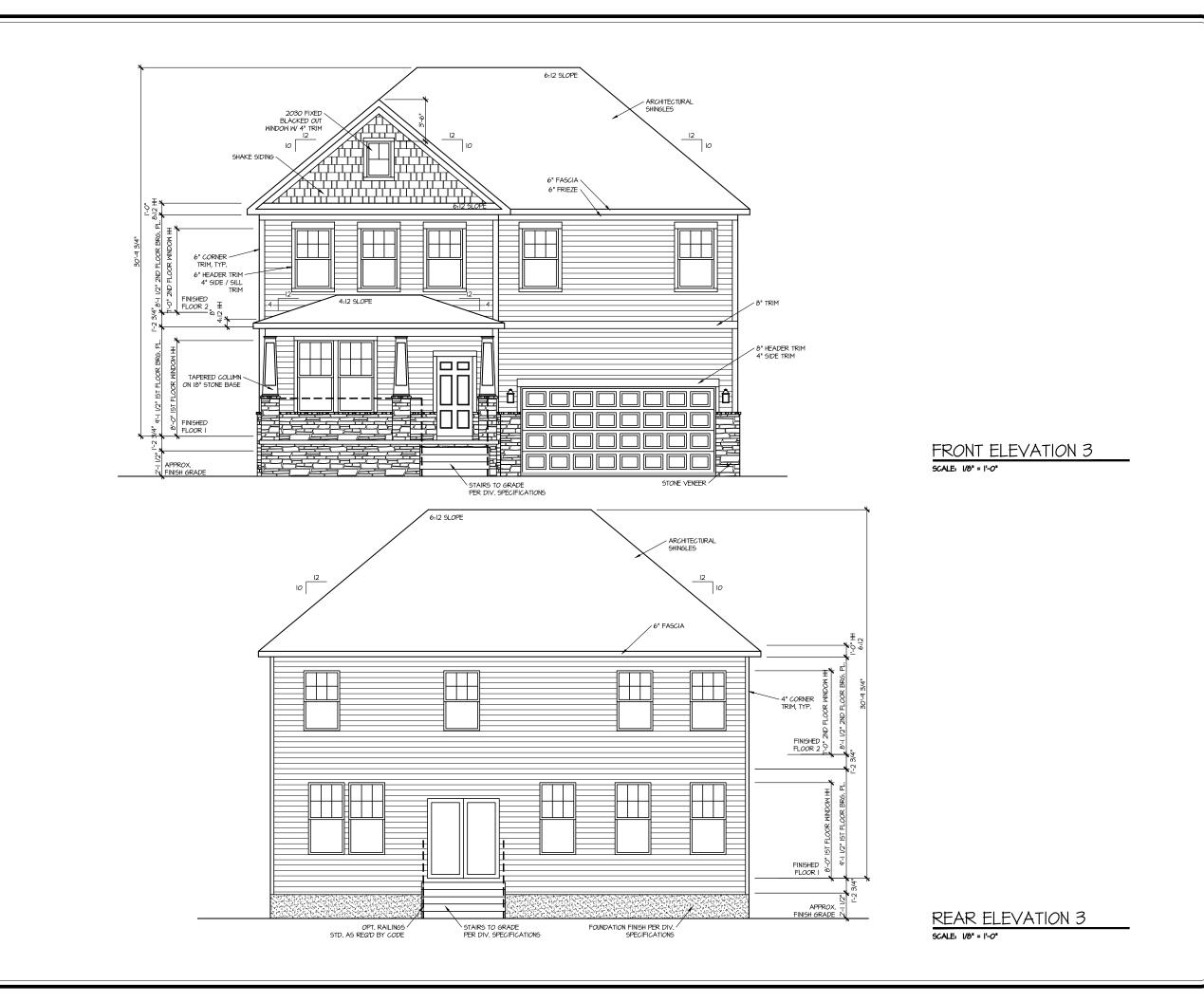
<u>INDEX</u>

DR3 HOMES

AREA CALCULATIONS ELEVATION 3 FIRST FLOOR GARAGE FRONT PORCH-ELEVATION 3				
<u>area calculations</u>			COVERED /	
ELEVATION 3		HEATED	UNHEATED	UNCOVERED
FIRST FLOOR		1433 SF		
GARAGE			434 SF	
FRONT PORCH-ELEVATION 3			123 SF	
SECOND FLOOR		1560 SF		
OPTIONS				
BEDROOM 5		247 SF		
TC	TAL	3240 SF	557 SF	
	•	•		-

63 WHIMBREL COURT

LOT	SPECIFIC	
1	LOT 00.0099	
	201 00.0000	JORDAN REV. 1 ELEVATION 3
2	ADDRESS	63 WHIMBREL COURT LILLINGTON, NC 27546
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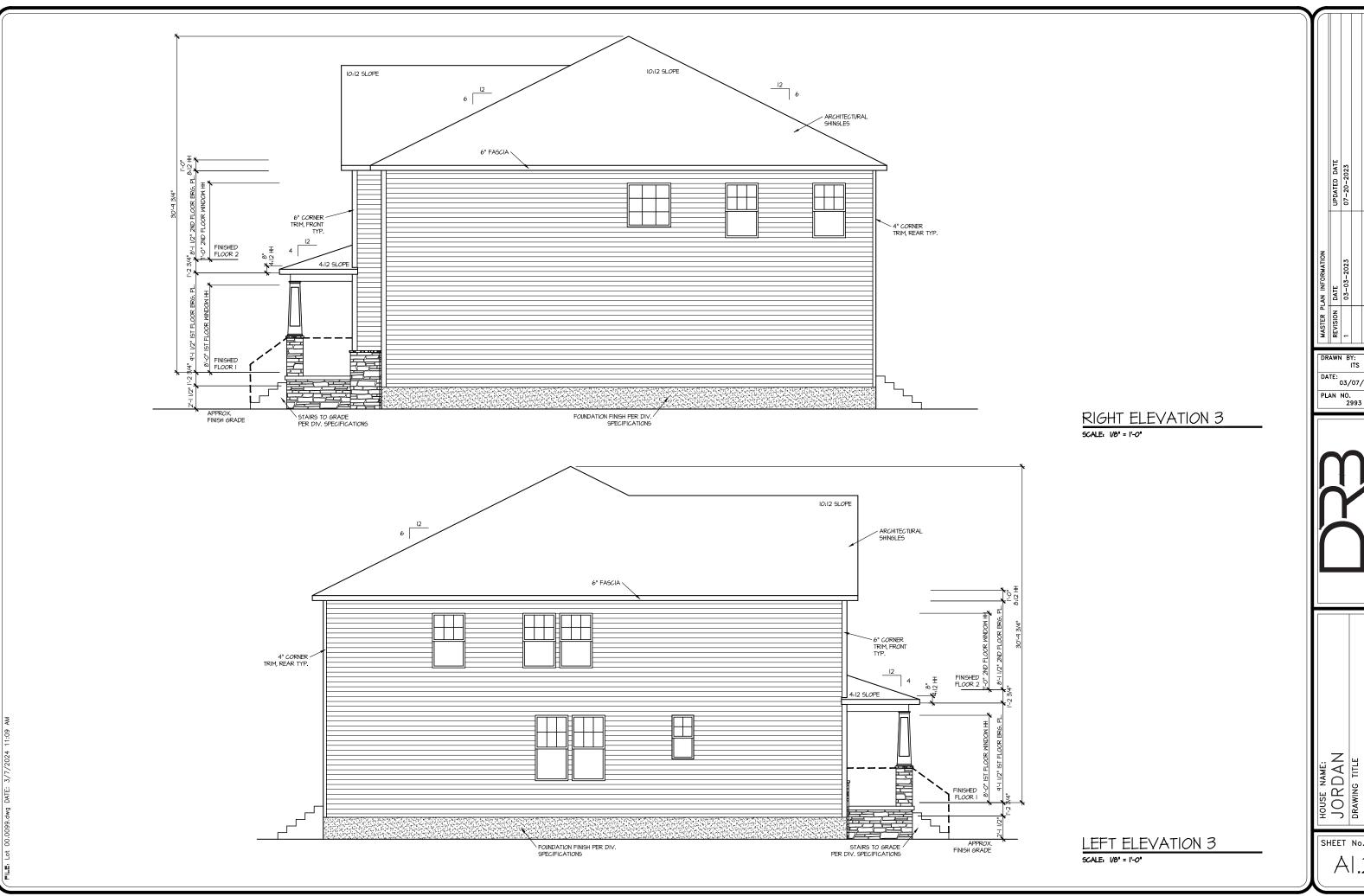
UPDATED DATE 07-20-2023

DRAWN BY: DATE: 03/07/2024 PLAN NO. 2993



FRONT & REAR ELEVATIONS HOUSE NAME: JORDAN DRAWING TITLE

SHEET No.



UPDATED DATE 07-20-2023

DRAWN BY: DATE: 03/07/2024 PLAN NO. 2993



RIGHT & LEFT ELEVATIONS

SHEET No.

UPPER ROOF VENTILATION CALCULATIONS:
ROOF AREA = 1744 50. FT.
OVERALL REQUIRED VENTILATION.
1 TO 50 = 10.5 50. FT.
1 10 50.0 = 15.5 50. FT.
50-80% IN TOP HIND = 2.99 - 4.78 50. FT. (1 TO 300)
NET FREE AREA OF VENTIES OFFIT = 5.7 50. IN / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 18 50. IN/ LINEAR FT.

LOPER VENTING. (BOTTOM 2/3 RDS)

BELINEAR FEET OF SOFFIT X 5.1 50. IN. = 6.24 50. FT.

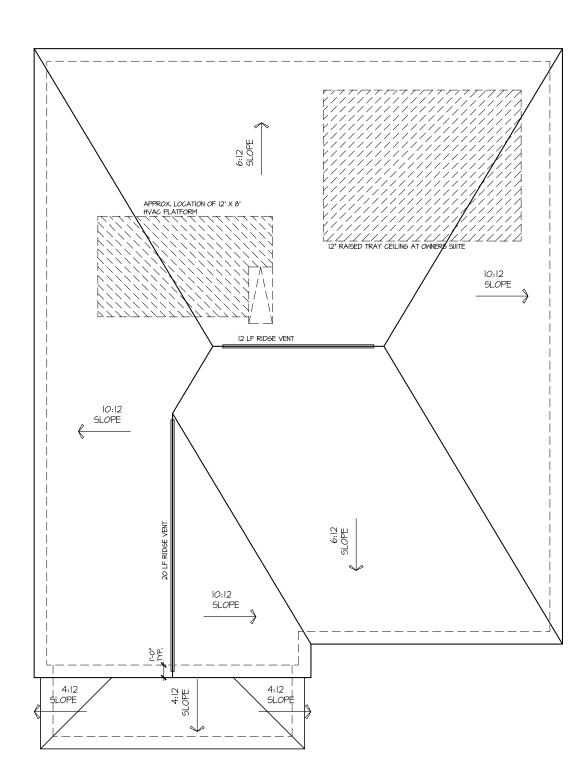
BELINEAR FEET OF RIDGE X 10 50. IN. = 4.0 50. FT.

BELINEAR FEET OF RIDGE X 10 50. IN. = 4.0 50. FT.

1.1 30.00 ALLOPED 26. = 6.0%

1.1 30.00 ALLOPED 26. = 6.0%

TOTAL ROOF VENTILATION: 10.24 50. FT. > 5.40 50. FT. (ROD)



DRAWN BY:

DATE: 03/07/2024

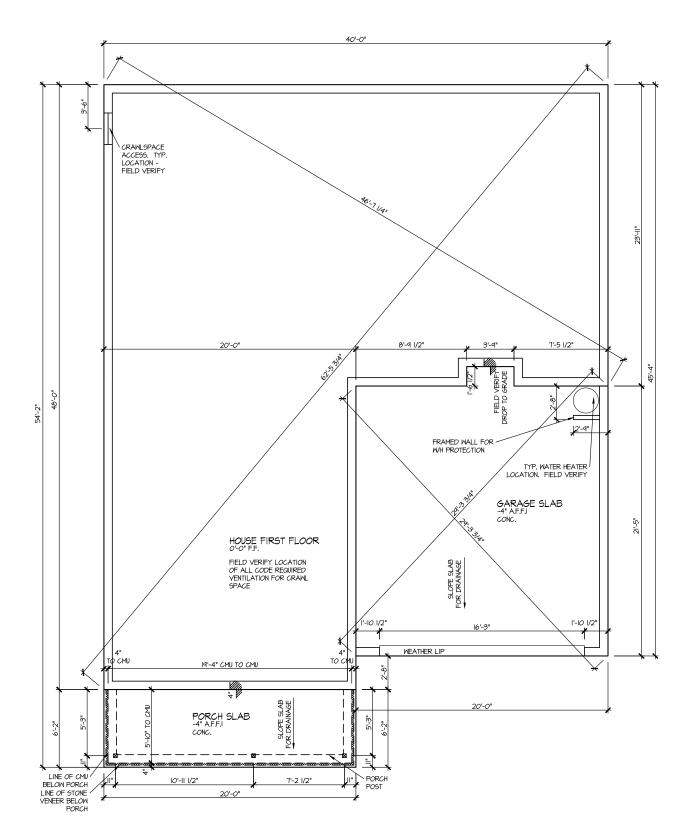
PLAN NO. 2993



HOUSE NAME: JORDAN DRAWING TITLE ROOF PLAN

> SHEET No. Al.3

ROOF PLAN ELEV. 3 SCALE: 1/8' = 1'-0'



ELEVATION 3 CRAWLSPACE PLAN SCALE: 1/0° = 1'-0° MASTER PLAN INFORMATION

REVISION DATE

1 03-03-2023 07-20-2023

DRAWN BY:
ITS
DATE:
03/07/2024
PLAN NO.
2993



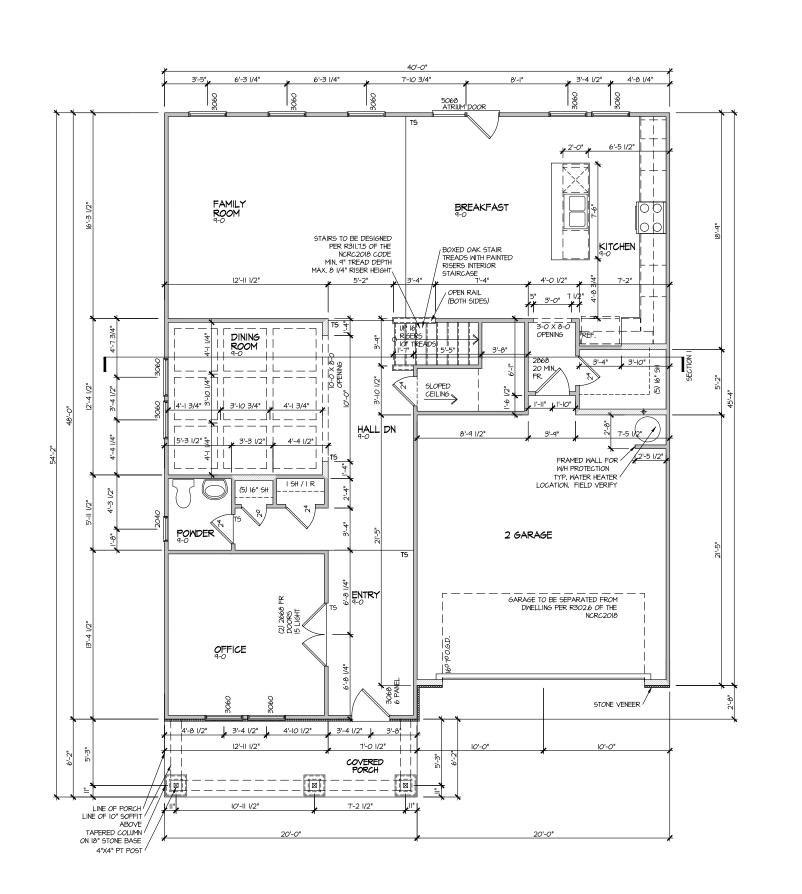
HOUSE NAME:

JORDAN

DRAWING TITLE

CRAMLSPACE PLAN

SHEET No.



ELEVATION 3 FIRST FLOOR PLAN SCALE: 1/0" = 1'-0" MASTER PLAN INFORMATION

MASTER PLAN INFORMATION

REVISION DATE

1 03-03-03-2023

07-20-2023

HOMES

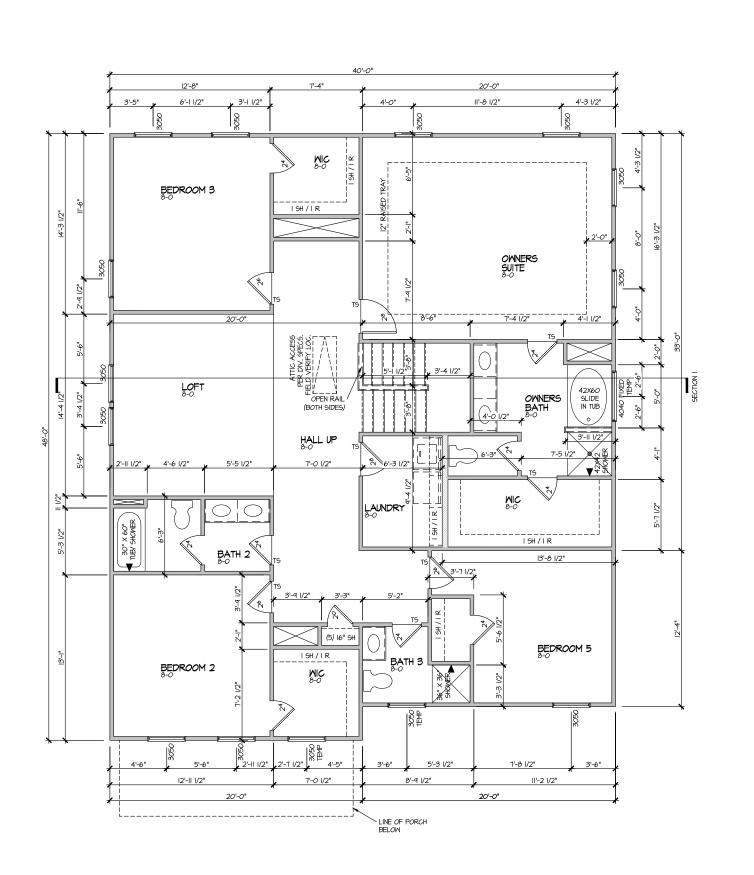
HOUSE NAME:

JORDAN

DRAWING TITLE

FIRST FLOOR PLAN

SHEET No.



ELEVATION 3 SECOND FLOOR PLAN SCALE: 1/8" = 1'-0"

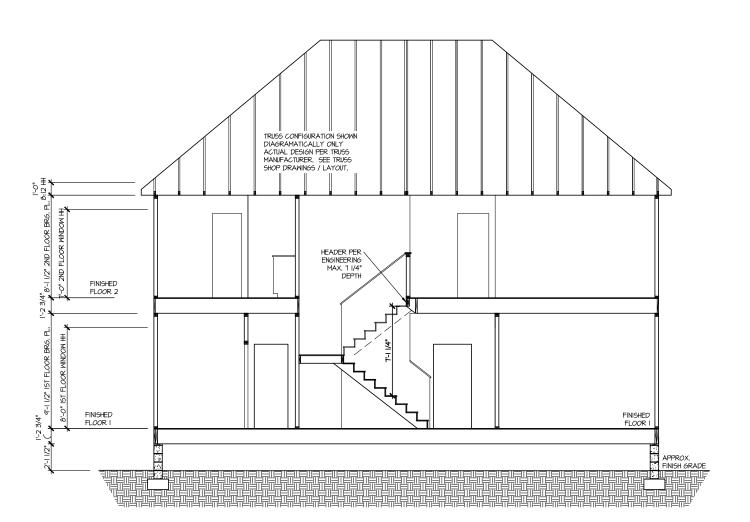
DRAWN BY: DATE: 03/07/2024

PLAN NO. 2993



SECOND FLOOR PLAN HOUSE NAME: JORDAN DRAWING TITLE

SHEET No. A3.2



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

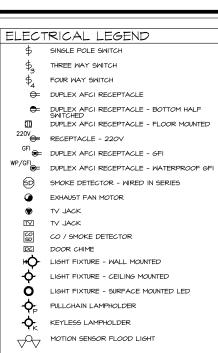
UPDATED DATE 07-20-2023 DRAWN BY:

DATE: 03/07/2024 PLAN NO. 2993

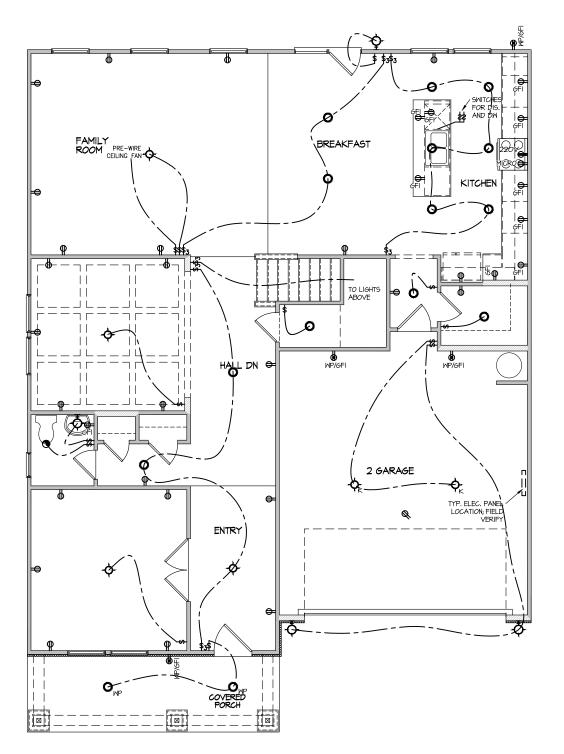


BUILDING SECTION HOUSE NAME: JORDAN DRAWING TITLE

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.



MASTER PLAN INFORMATION

DATE:

03/02/5023

DATE:

03/02/5024

DATE

03/02/5024



HOUSE NAME:

JORDAN

DRAWING TITLE

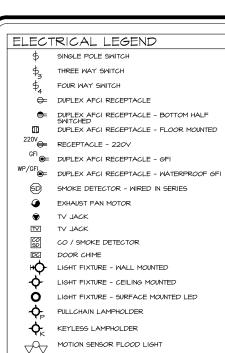
FIRST FLOOR ELECTRICAL

SHEET No.

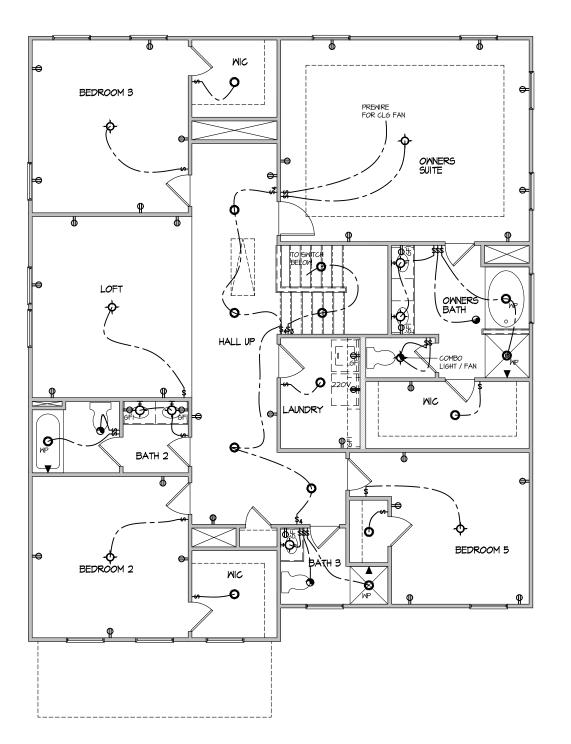
SHEET

ELECTRICAL PLAN FIRST FLOOR - ELEV. 3

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



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.



DRAWN BY: DATE: 03/07/2024

PLAN NO. 2993



SECOND FLOOR ELECTRICAL HOUSE NAME: JORDAN DRAWING TITLE

SHEET No.

ELECTRICAL PLAN SECOND FLOOR - ELEV. 3 SCALE: 1/8" = 1'-0"

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:
- 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 ACI 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 ps
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
 - . 9' OR IO' HEIGHT (AS NOTED ON PLANS)
 - TALLER WALLS MUST BE ENGINEERED. NOMINAL WIDTH (9 1/2" FOR 10" THICK WALL).
- BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SC. ML-CL, OR CL).
- BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL Ist 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:1.5 RATIO \bullet CONTROL JOINTS SHALL $\underline{\mathsf{NOT}}$ BE INSTALLED IN STRUCTURAL
- 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 REINFORGEMENT (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.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY

TOP PLATE LAP @ CORNERS &

 BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

GENERAL STRUCTURAL NOTES

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

DEAD = 7 PSF T.C., IO PSF B.C. ROOF LIVE = 16 PSF LOAD DURATION FACTOR = 1.25

FLOOR 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(1) FOR ALL CONNECTIONS, TYP. U.N.O.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS 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=2.0x10^6 psi
- PSI. FB=2900 PSI: FV=290 PSI: F=2.0XI0^6 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 PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS $m{\theta}$ 8" O/C OR 2 ROWS \m{k}_1 "x3 \m{k}_2 " SIMPSON SDS SCREWS (OR 3 \m{k}_2 " TRUSSLOK SCREWS) $m{\theta}$ 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 FDGE 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 k_i "x6" SIMPSON SDS SCREMS (OR 6 $\frac{3}{2}$ " TRUSSLOK SCREMS) @ 16" O/C. USE A MINIMUM OF 4 ROMS 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
- 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 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 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. x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD
- 2 3" × 0 ||3" NAII S @ 3" OC @ PANEL EDGES & @ 6" OC IN FIELD #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD

ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.51 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.C
- 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 1/16" A.P.A. RATED SHEATHING 24/16
- EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBER W/ 2 1 × 0.131" NAILS @ 6"o.c. @ PANEL EDGES € @ 12" O.C. FIELD.
- w/ 2 🖣 × 0.120" NAILS 4"o.c. PANEL EDGES € 8" O.C. FIELD. - W/ 2 🖁 × 0.113" NAILS 💇 3"O.C. 🏕 PANEL EDGES 🛭 💇 6" O.C. FIELD.

HOLD-DOWN SCHEDULE

		SYMBOL	SPECIFICATION		
١		► 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)			
I		► 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

LEGEND

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

NON-BEARING HEADER SCHEDULE

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

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NCSBC: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 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 UPLIET LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NGSBG: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

- 1/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 ¾"x0.II3" 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: 1/2" 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 3/4" 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

3" O.C. EDGE NAILING

AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING √ 8d NAILS @ 3" O.C. <u>NO STAPLE ALTERNATIVE</u> AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT HEAR 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, UN.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING
- PRE-MANUFACTURED PANELIZED WALLS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

OR 3" O.C. OSB SHEARWALL.

INDICATES HOLDOWN BELOW

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

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 DETERMINE THE ERECTION PROCEDURES AND AND ITS COMPONENTS DURING CONSTRUCTION, THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION O 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 SYSTEMS DURING COURSE OF DEMOLITION AND

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING FLEMEN 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 VERIEY I EVELNESS AND MAKE AD LISTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY

ADDITIONAL NOTES FOR TRUSS &

I-JOIST MANUFACTURER

DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS

PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUS

FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:

LOAD. (NOT DIFFERENTIAL DEFLECTION)

FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO

LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAL

PSL OPTION

3%"xl4" - F

3%"xI4" - F

3½"xl4" - F

7"VIA" - FT

3K"xII%" - H

5¼"x16" - H

3%"xl4" - F

51/4"x91/4" - H

56"x96" - H

3%"x|4" - D

3½"x9¼" - D

3½"xl4" - D

5¼"xl8" - H

3%"xl4" - F

5¼"xl6" - H

N/A

36"x14" - H

PLATES IN SUCCESSION W/ (2) 3"X0,120" NAILS @ 8" O.C.

PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" O.C.

REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS

REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS

ENGINEERED BEAM MATERIAL SCHEDULE

LSL OPTION

(2)|3/4"x|4" -

(2)13/4"×14" -

N/A

(2)13/4"x117/4"

N/A

(2)13/4"×14" ·

(3)134"×96"

(3)13/4"x96" - 1

(2)13/4"x14" - 1

(2)134"x916" - E

N/A

(2)13/4"x14" - F

N/A

N/A

(2)13/4"×14" - H

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

FLITCH OPTION

(2)2xi2 + (i) %"xii¼" Steel Flitch Plates - FB

(2)2xl2 + (1) %"xll4" STEE

2)2xl2 + (I) %"xl以" STEE FLITCH PLATES - FB

4)2xi2 + (3) ¾"xil¼" Stee Flitch Plates - FB

(2)2xl2 + (I) %"xll4" STEEL FLITCH PLATES - H

3)2xl2 + (2) %"xll¼" 5TE FLITCH PLATES - H

2)2xl2 + (I) %"xl以" STEEI FLITCH PLATES - FB

3)2x10 + (2) ¼"x¶¼" STEEI FLITCH PLATES - H

3)2x10 + (2) ¼"x¶¼" STEEL FLITCH PLATES - H

(2)2x12 + (1) %"xIK" STEEL FLITCH PLATES - D

(2)2x10 + (1) %"x4¼" STEE FLITCH PLATES - D

2)2xl2 + (l) %"xl以" STEEI FLITCH PLATES - D

)2xl2 + (2) %"xll4" STE FLITCH PLATES - H

'2)2xl2 + (l) %"xl以" STEEI FLITCH PLATES - FB

(2)2xl2 + (I) %"xIIK" STEEL FLITCH PLATES - FF

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED

TRUSSES/LIGISTS SHALL BE DESIGNED SO THAT

DIFFERENTIAL DEFLECTION BETWEEN ADJACENT

IDISTS SHALL BE DESIGNED TO MEET THE

BEAMS DO NOT EXCEED THE FOLLOWING

FLOOR FRAMING BY OTHERS:

NOTED OTHERWISE ON PLAN.

A. ROOF TRUSSES:

I/4" DEAD LOAD

I/8" DEAD LOAD

LVL OPTION

(2)13/4"x14" - F

(2)13/4"×14" - 1

(2)13/4"x14" - F

(4)13/4"y18" - F1

(2)13/4"x113/4" - 1

(3)13/4"×16" - H

(2)13/4"×14" - F

(3)134"×944" -

(3)134"x944" - H

(2)|3/4"x|4" - D

(2)13%"×9%" - D

(2)13/4"×14" - E

(3)13/4"x18" - H

(2)|3/4"x|4" - F

(3)13/4"x16" - H

(3)13/4"x22" - H

(2)13/4"x14" - H

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

002

003

004

005

001

007A

008

010

OII

012

013

014

3'-0" 20 FT. MAX

6'-0"

9'-6"

16'-0"

3 FT, MAX

I2 FT, MAX

20 FT, MAX

3 FT, MAX

12 FT. MAX

I6 FT, MAX

12 FT. MAX

2 FT. MAX

3 FT. MAX

SYALL SPECKE 2 % - 39 Y YEREK W 40 PER PAVAMENT PERSET.

16 SHALL HAVE P HIN EPARSE

17 SHALL BE LOSE LES VERTICALLY SLOTTED HOLES.

18 SHALL BE LOSE LES VERTICALLY SLOTTED HOLES.

18 SHALL BE LOSE LES VERTICAL HAVE PERSEN BERNEL BENGTH ONLY. THIS IS TO ALLCH FOR MORTHAT BUT THE HILD TO BE 31' HINE OVER THE BENGTH ONLY. THIS IS TO ALLCH FOR MORTHAT BUT THISHING.

5ES STRUTTERAL PLANS FOR ANY LINTEL CANDITION NOT BICOMPASSED BY THE AROOF PAVAMETERS.

GUEEN VENEER USE L4x3¼". R 兆" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 兆" THICK

STEEL OPTION

WI2xI4 - F

WI2xI4 - F

WI2xI4 - F

WI2v30 - F

N/A

NΑ

WI2xI4 - F

MBxIO - H

WBxIO - H

WI2xI4 - D

WBxIO - D

WI2xI4 - D

N/A

WI2VI4 - F

NΑ

N/A

UPPORT 2 %" - 3 ½" VENEER w/ 40 psf MAXIMUM WEIGHT L HAVE 4" MIN. BEARING

VENEER LINTEL SCHEDULE

STEEL ANGLE SIZE

1.3"x3"x%"

L4"x3"x/4"

L5"x3½"x%"

L4"x4"x¼" *

L5"x31/5"x5/6"

L6"x3%"x%

1.6"x3K"x5%"

L7"x4"x½" **

L8"x4"x/5" **

al: 3/25/24 CAR PROFESSION,

0 ENGINEE

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I&K project numbe

126-2306

JTR rawn by: KF(sue date: 03-22-2

REVISIONS initial:

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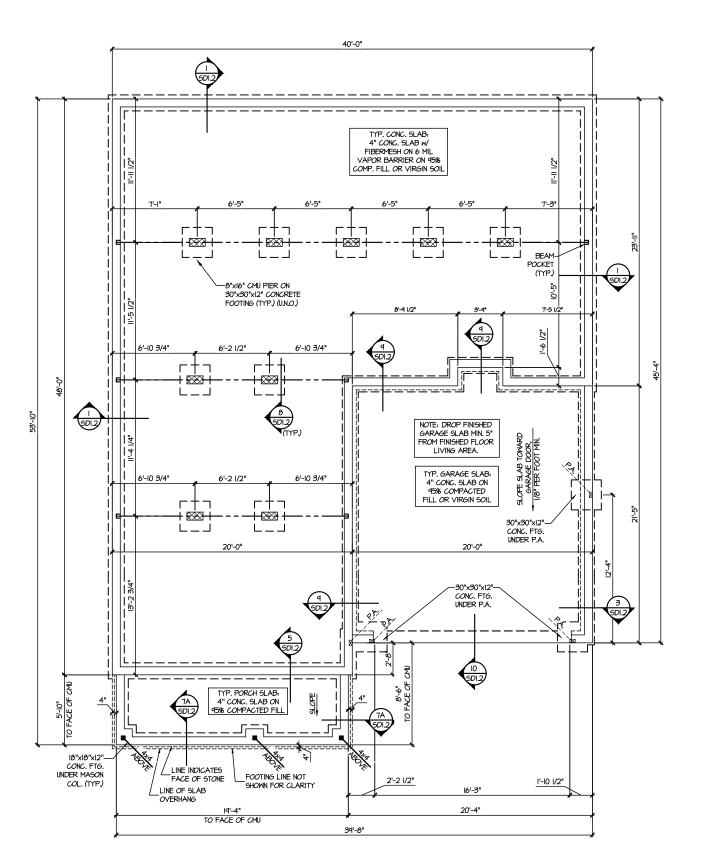
POND BLAKE I LOT 99 - J RALEIGH,

DESCRIPTION OF BLDG. ELEMENT 3"x0.131" NAILS 3"x0120" NAII S (3) TOENAILS* IOIST TO SOLE PLATE (3) TOENAILS (3) NAILS @ 4" 0, (3) NAILS @ 4" o SOLE PLATE TO JOIST/BLK STUD TO SOLE PLATE (3) TOENAILS* PIM TO TOP PI AT OFNAILS @ 8" TOFNAILS @ 6" O.C (3) TOENAILS* BLK'G. BTWN. JOISTS PL. (3) TOENAILS NAILS @ 16" O.C DOUBLE STUD NAILS @ 24" 0. OUBLE TOD DLAT DOUBLE TOP PLATE LAP SPLICE (9) NAILS IN LAPPED AREA (II) NAILS IN LAPPED AREA (2) NAILS

(2) NAILS

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

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



CRAWL SPACE FOUNDATION PLAN SCALE: 1/8"=1'-0"

eal: 3/25/24

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI



126-23061

JTR drawn by: issue date: 03-22-24

BLAKE POND COMMUNITY Lot 99 - Jordan 3 raleigh, nc

OUNDATION PLANS

LEGEND

- IIIIII 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



M&K project number: 126-23061

JTR drawn by: issue date: 03-22-24

REVISIONS:

initial:

BLAKE POND COMMUNITY LOT 99 - JORDAN 3 RALEIGH, NC

OOR

LEGEND

FOR STEEL BEAMS

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

INTERIOR BEARING WALL

● □===□ BEARING WALL ABOVE BEAM / HEADER

• = = INDICATES SHEAR WALL & EXTENT

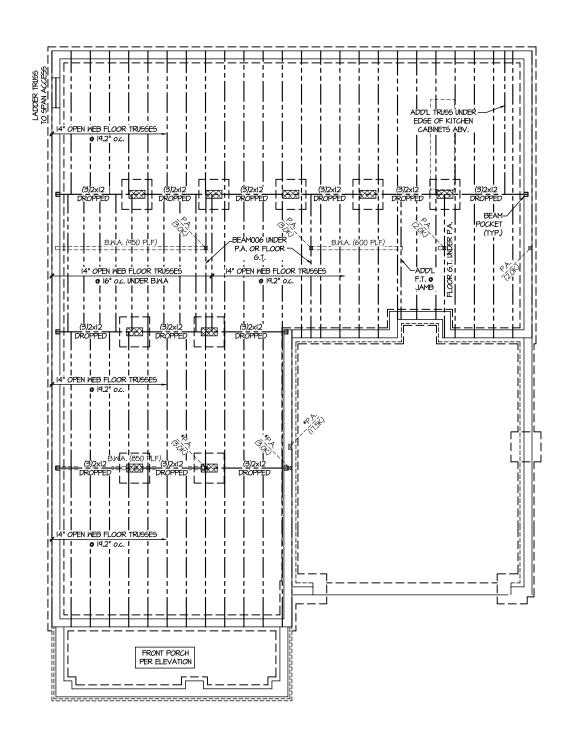
EXTENT OF OVERFRAMING

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



CRAWL SPACE FRAMING PLAN

IST FLOOR FRAMING PLAN

3" o.c. EDGE NAILING

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)13/4"×14" - F	3½"xl4" - F	(2)13/4"×14" - F	(2)2xi2 + (i) %"xilk" STEEL FLITCH PLATES - FB	WI2xI4 - F
002	(2)1 ³ / ₄ "x14" - F	3½"xi4" - F	(2)194"×14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - FB	WI2xI4 - F
003	(2)19/4"×14" - F	3½"xi4" - F	(2)194"×14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - FB	WI2xI4 - F
004	(4)194"x18" - FT	7"xl8" - FT	N/A	(4)2xl2 + (3) %"xll"," STEEL FLITCH PLATES - FB	WI2x30 - F
005	(2)134"xII%" - H	3½"xII%" - H	(2)134"x1136" - H	(2)2xl2 + (l) %"xll"," STEEL FLITCH PLATES - H	N/A
005A	(3)134"×16" - H	5¼"x16" - H	N/A	(3)2xl2 + (2) %"xll以" STEEL FLITCH PLATES - H	N/A
006	(2)1 ⁹ / ₄ "x14" - F	3½"xi4" - F	(2)154"x14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - FB	WI2xI4 - F
001	(3)134"×94" - H	5¼"×4¼" - H	(3)13¼"×9½" - H	(3)2x10 + (2) ¼"x4¼" STEEL FLITCH PLATES - H	M8×IO − H
AT00	(3)134"×94" - H	5¼"×4¼" - H	(3)13/4"×9/5" - H	(3)2x10 + (2) ¼"x4¼" STEEL FLITCH PLATES - H	M8×IO − H
800	(2)1¾"×14" - D	3½"x 4" - D	(2)13/4"×14" - D	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - D	WI2xI4 - D
P00	(2)134"×94" - D	3½"x9¼" - D	(2)134"×9½" - D	(2)2x10 + (1) %"x44" STEEL FLITCH PLATES - D	W6×10 - D
010	(2)1¾"×14" - D	3½"x 4" - D	(2)19/4"×14" - D	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - D	WI2xI4 - D
OII	(3)134"×18" - H	5¼"×18" - H	N/A	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - H	N/A
012	(2)13/4"×14" - F	3½"xl4" - F	(2)13/4"x14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - FB	WI2xI4 - F
013	(3)1¾"×16" - H	514"×16" - H	N/A	(3)2xl2 + (2) %"xll以" STEEL FLITCH PLATES - H	N/A
OIBA	(3)1¾"x22" - H	N/A	N/A	N/A	N/A
014	(2)13/4"×14" - H	3½"xI4" - H	(2)13/4"×14" - H	(2)2xl2 + (l) %"xllk" Steel Flitch Plates - FB	N/A

BEAM NOTATION:
- "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM

- TO INDICATES PLOSH BOTTOM BEAM
- "I" INDICATES PROPPED BEAM
- "H" INDICATES DROPPED OPENING HEADER
REFER TO DETAIL D/SD2.0 FOR TYPICAL FILITCH 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"XOJ.20" NAILS Ø 8" O.C.

FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQ'D. FASTEN

eal: 3/25/24 CAR OSEPH T. RI

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI



M&K project number: 126-2306

JTR drawn by: issue date: 03-22-2

REVISIONS:

PLANS

OOR

COMMUNITY 3

initial:

FOR STEEL BEAMS

LEGEND

INTERIOR BEARING WALL

BEAM / HEADER

• = INDICATES SHEAR WALL & EXTENT

BLOCKING UNDER POST OR JAMB ABOVE.

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

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

● □===□ BEARING WALL ABOVE

EXTENT OF OVERFRAMING

JL METAL HANGER

* INDICATES POST ABOVE. PROVIDE SOLID

BLAKE POND C LOT 99 - JORDAN 3 RALEIGH, NC & SCHEDULES



eal: 3/25/24 TH CAR SEPH T. R

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI

M&K project number: 126-23061

JTR drawn by: issue date: 03-22-24

REVISIONS:

initial:

BLAKE POND COMMUNITY Lot 99 - Jordan 3 Raleigh, nc

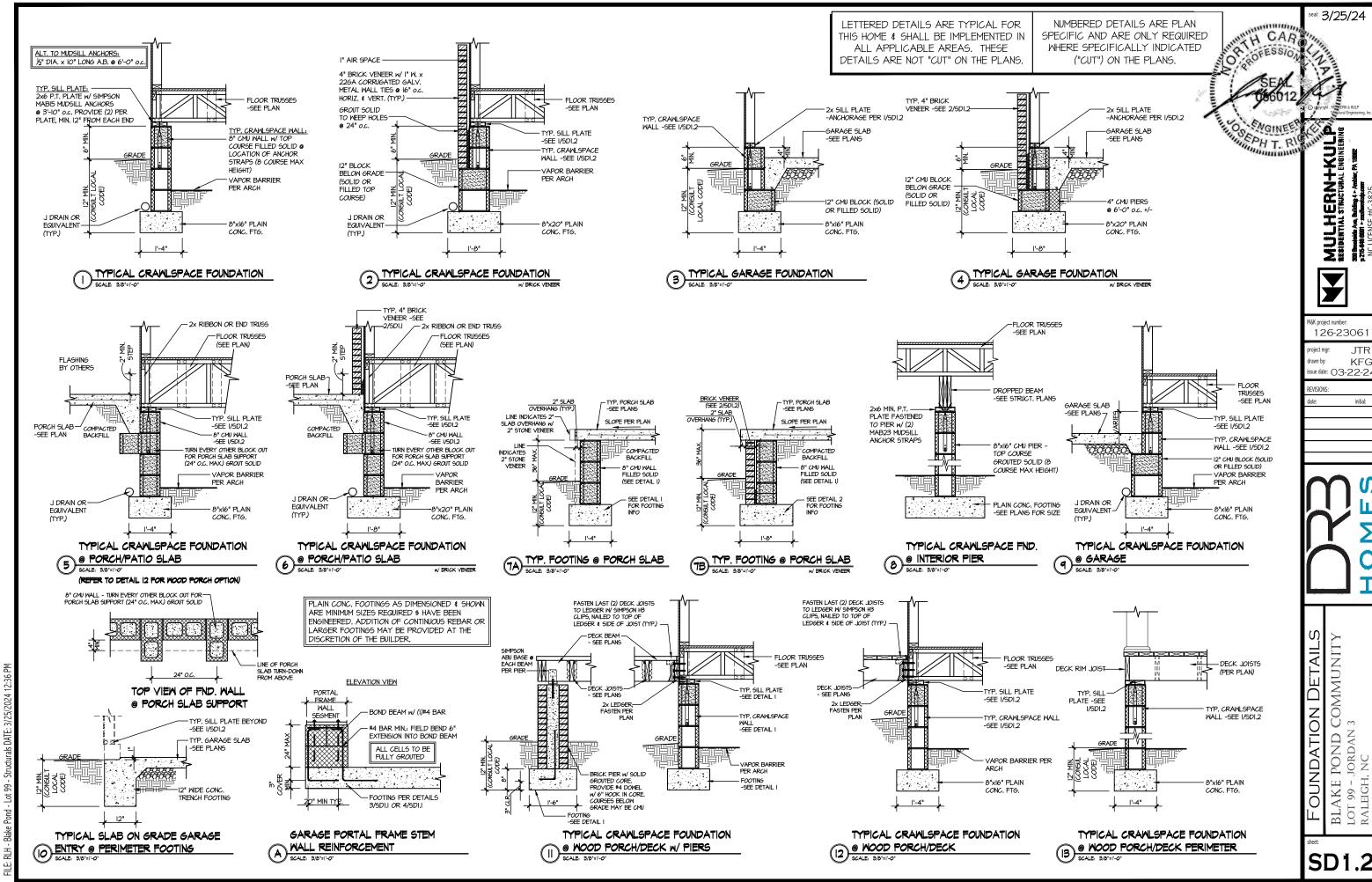
ROOF

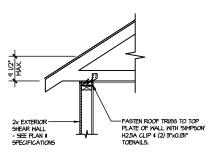
LEGEND

- 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.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

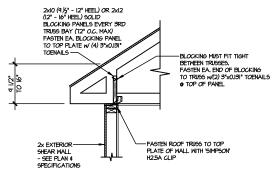




TYPICAL SHEAR

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

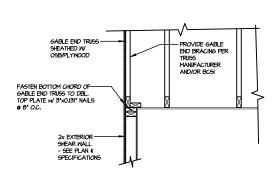
SCALE: 3/8'=1-0' HEEL HEIGHT BETWEEN 4.) HEEL HEIGHT BETWEEN 9½" - 16" BLOCKING REQ'D



2x BLK'6 TO FIT TIGHT IN EA.

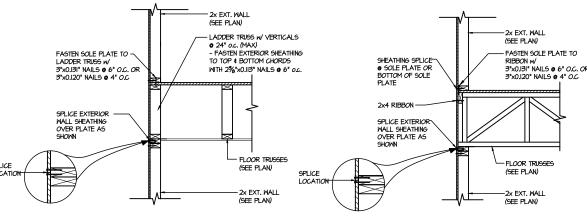
2x EXTERIOR — SHEAR WALL - SEE PLAN & SPECIFICATIONS

TRUSS BAY FASTENED TO TRUSS w/(2) 3"x0.131" TOENAILS @ EA. END.



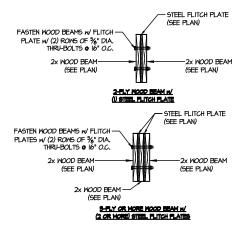
TYPICAL GABLE END DETAIL

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



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



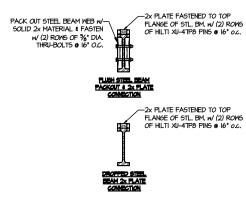
OSB/PLYWOOD SHEATHING UP VERTICALS OF ROOF TRUSSES, & FASTEN W

2%"x0.120" NAILS @ 6" O.C.

· 2x Bl.K'G IN EA. TRUSS BAY FASTENED TO DBL TOP PLATE w/ (3) 3"x0.131" NAILS.

— FASTEN ROOF TRUSS TO TOP PLATE OF WALL WITH SIMPSON' H25A CLIP ((2) 3"X0.131" TOENAILS.

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



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

eal: 3/25/24

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

M&K project number:

drawn by:

REVISIONS:

126-2306

issue date: 03-22-2

JTR

KFG

initial:

TH CAR

OSEPH T. RI

COMMUNITY 13 RAMING DETAILS BLAKE POND C LOT 99 - JORDAN 3 RALEIGH, NC

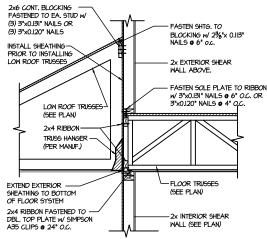
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

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

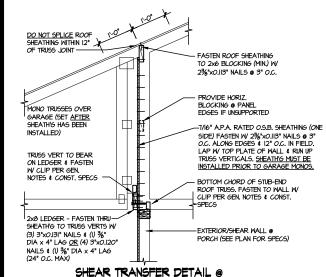
LETTERED DETAILS ARE TYPICAL FOR

RIBBON w/ 3"x0.131" NAILS • 6" O.C. OR 3"x0.120" NAILS • 4" O.C

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



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

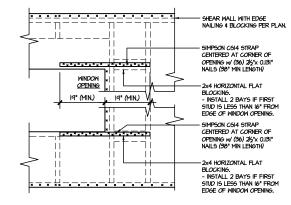


BREAK IN TRUSSES OVER SHEAR WALL

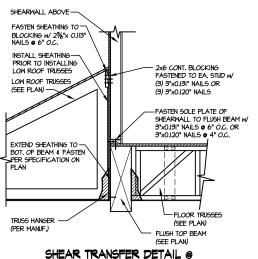
8CALE 8/4"=1"-0" - 22x84 9/8"=1"-0" - 11x17

-Fasten sole plate of Shearwall Thru floor Sheathing to Ribbon w/ 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C. 2x EXTERIOR WALL-FASTEN FLOOR SHEATHING TO OSB BLOCKING/RIBBON W/ 23/8"x 0.113" NAILS @ 6" O.C. I 1/8" OSB SOLID BLOCKING BETWEEN TRUSSES @ EVERY BAY SHTG. SPLICE: FASTEN SHEATHING TO 2x4 RIBBON W 2%"x O.II3" NAILS 6 6" O.C. FLOOR TRUSSES (SEE PLAN) CANT'D FLOOR TRUSSES (SEE PLAN) FASTEN BLOCKING TO SILI PLATE W/ (I) SIMPSON A35 CLIP @ EACH PANEL -2V PT SILL PLATE (SEE FND. DETAILS)

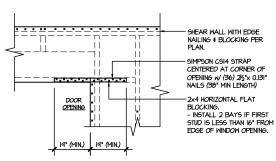
TYPICAL SHEAR TRANSFER DETAIL 2) BETWEEN FLOORS @ EXTERIOR WALL



- REQUIRED ONLY © OPENINGS AS SPECIFIED ON PLAN. STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHITG, & MAY BE MOVED IS' FROM EDGE TO ALLOW FOR INIDDOM NAILING
- TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION

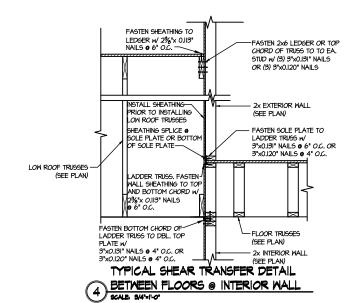


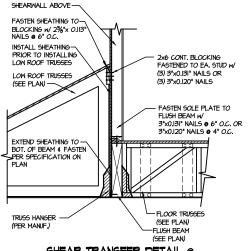
SHEAR TRANSFER DETAIL @ 3 EXTERIOR SHEARWALL ABOVE



- REQUIRED ONLY @ OPENINGS AS SPECIFIED ON
- PLAN. STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING

TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION





SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

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.

BLAKE I LOT 99 - J RALEIGH,

COMMUN

POND JORDAN

DETAIL

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al 3/25/24

ERN+KUL

I&K project number

frawn by:

REVISIONS

126-2306

ssue date: 03-22-2

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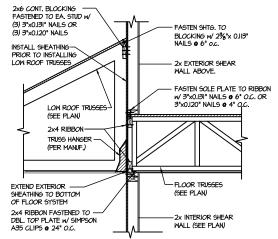
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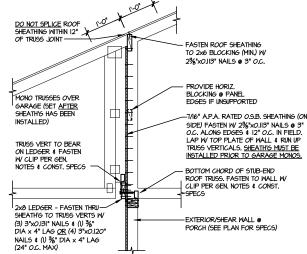
EPH T. R

OR.

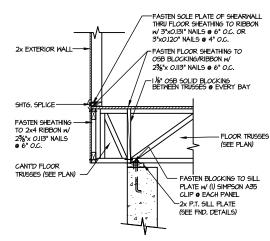
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



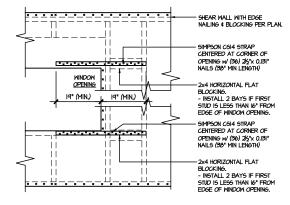
TYPICAL SHEAR TRANSFER DETAIL 5 BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ BREAK IN TRUSSES OVER SHEAR WALL 3 SCALE: 9/4"=1"-0" - 22:64 8/8"=1"-0" - 11x17

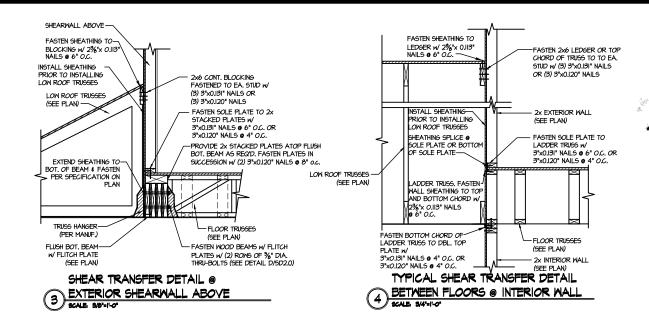


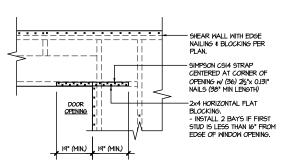
TYPICAL SHEAR TRANSFER DETAIL 2 BETWEEN FLOORS @ EXTERIOR WALL



REQUIRED ONLY © OPENINGS AS SPECIFIED ON PLAN. STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED I&" FROM EDGE TO ALLOW FOR INIDOOM NAILING

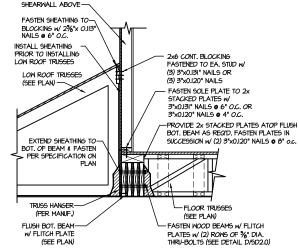
TYPICAL EXT. WALL & INT. GA SHEARWALL OPENING ELEVATION





- REQUIRED ONLY @ OPENINGS AS SPECIFIED ON
- STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING

TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION SCALE NTS



SHEAR TRANSFER DETAIL @ 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.

DETAILS ARE NOT "CUT" ON THE PLANS.

COMMUN ETAIL POND JORDAN (¹)

al 3/25/24

ERN+KUL

I&K project number

REVISIONS

126-2306

ssue date: 03-22-2

JTR

initial:

TH CAR

PROFESSION

ENGINEE

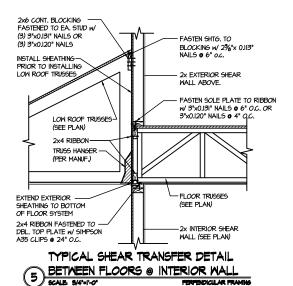
EPH T. R

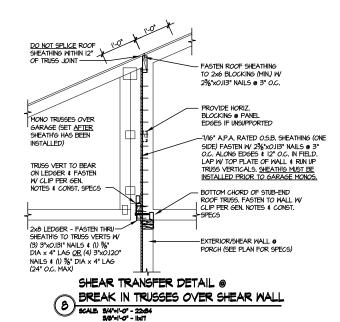
OR.

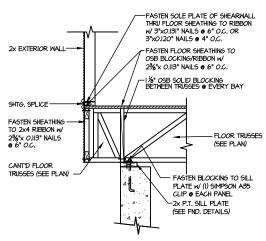
BLAKE I LOT 99 - J RALEIGH,

SD2.1B

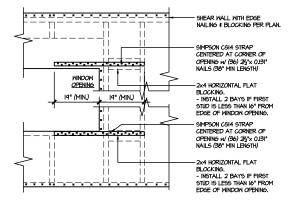
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL





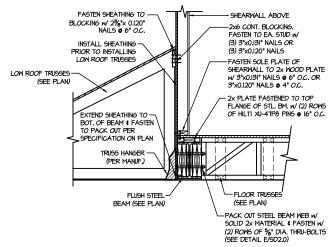


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL

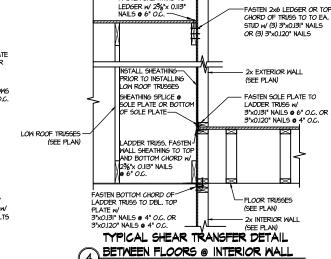


REQUIRED ONLY @ OPENINGS AS SPECIFIED ON PLAN. STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHITG, & MAY BE MOVED IG! FROM EDGE TO ALLOW FOR INIDOOM NAILING

TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION



SHEAR TRANSFER DETAIL @ 3 EXTERIOR SHEARWALL ABOVE



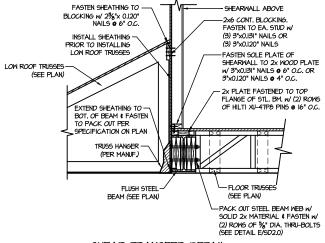
FASTEN SHEATHING TO

. SHEAR WALL WITH FDGE NAILING & BLOCKING PER PLAN. - SIMPSON CSI4 STRAP CENTERED AT CORNER OF OPENING W/ (36) 2½"x 0.131" NAILS (38" MIN LENGTH) 2x4 HORIZONTAL FLAT BLOCKING.

- INSTALL 2 BAYS IF FIRST
STUD IS LESS THAN 16" FROM
EDGE OF WINDOW OPENING. 19" (MIN.) | 19" (MIN.

- REQUIRED ONLY @ OPENINGS AS SPECIFIED ON
- STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED II'S" FROM EDGE TO ALLOW FOR DOOR NAILING

TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE MIS



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

LETTERED DETAILS ARE TYPICAL FOR ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

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THIS HOME & SHALL BE IMPLEMENTED IN

COMMUN ETAIL POND JORDAN Ü BLAKE I LOT 99 - J RALEIGH,

al 3/25/24

ERN+KUL

M&K project number

frawn by:

REVISIONS

126-2306

ssue date: 03-22-2

JTR

initial:

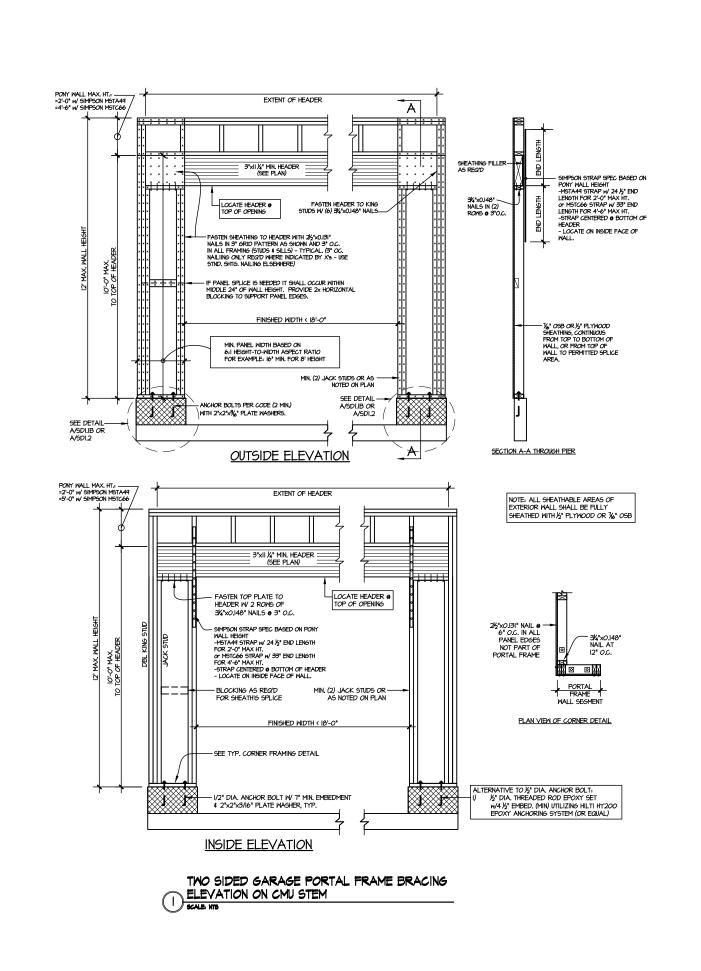
H CAR

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OR.



eal: 3/25/24 TO ROFESSION OSEPH T. R

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



126-23061

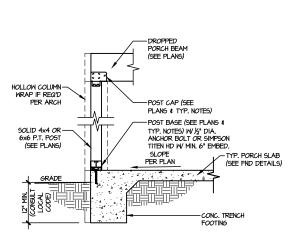
roject mgr: **JTR** drawn by: **KFG** issue date: 03-22-24

REVISIONS:

initial:

BLAKE POND COMMUNITY LOT 99 - JORDAN 3 RALEIGH, NC

RAMING DETAILS



TYPICAL PORCH
POST CONNECTION DETAIL
SCALE NOTE SLAS ON GRADE SHOWN (SIM & CRAVE & BENT)

seal: 3/25/24 MULHERN+KULP

RESIDENTIAL STRUCTURAL ENGINEERING

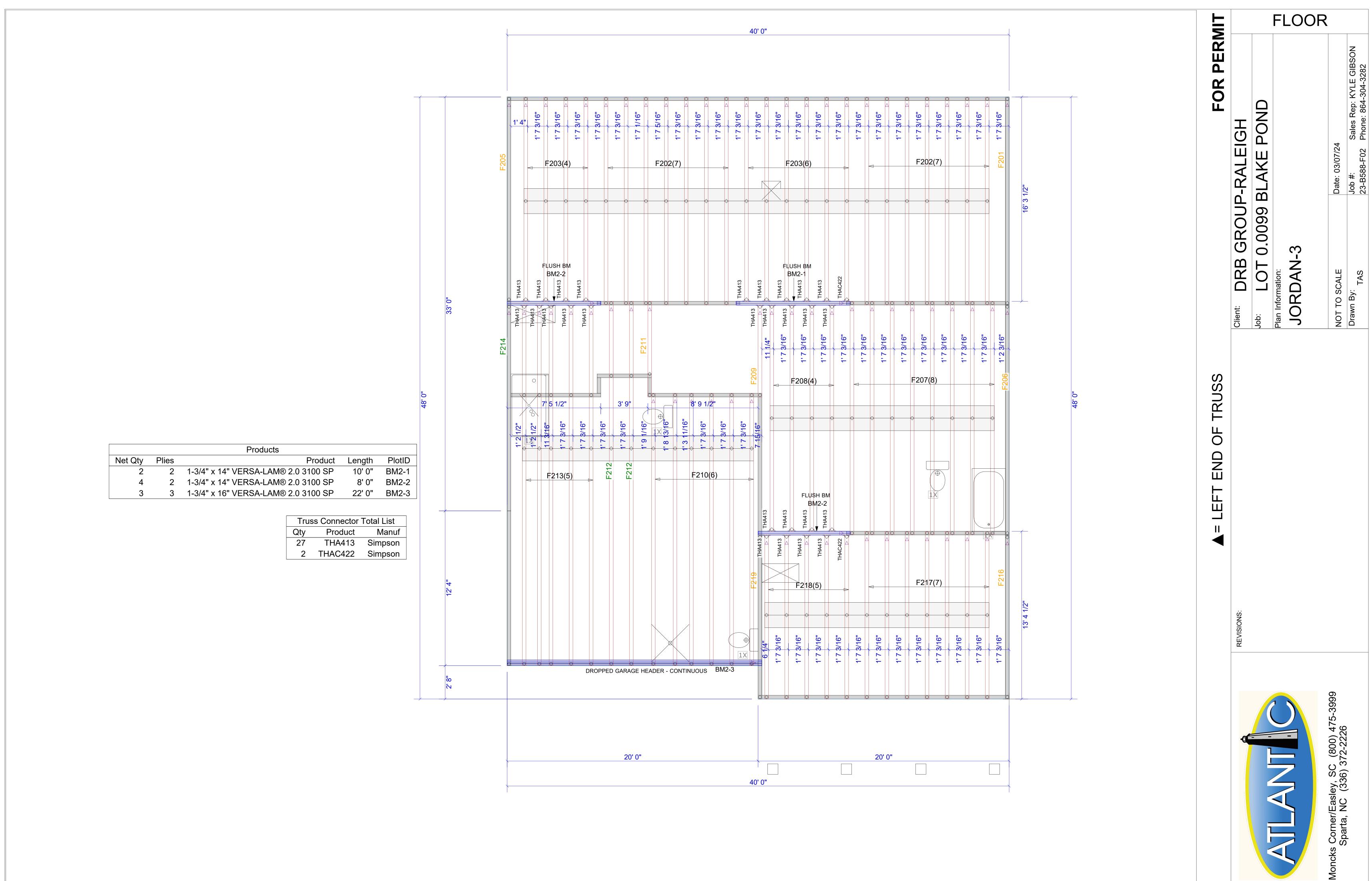
M&K project number: 126-23061

JTR drawn by: KFG issue date: 03-22-24

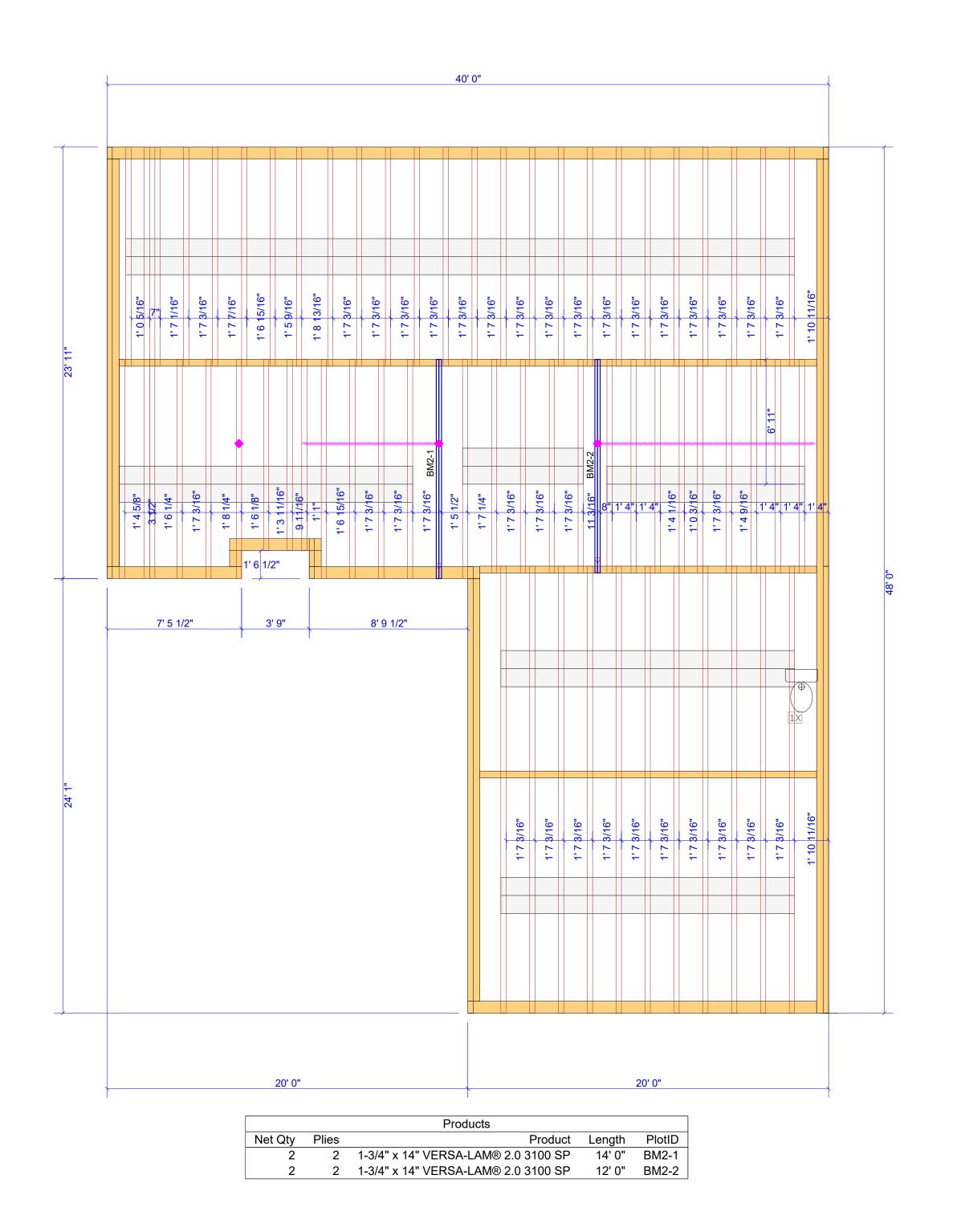
initial:

BLAKE POND COMMUNITY Lot 99 - Jordan 3 Raleigh, nc

SD3.0



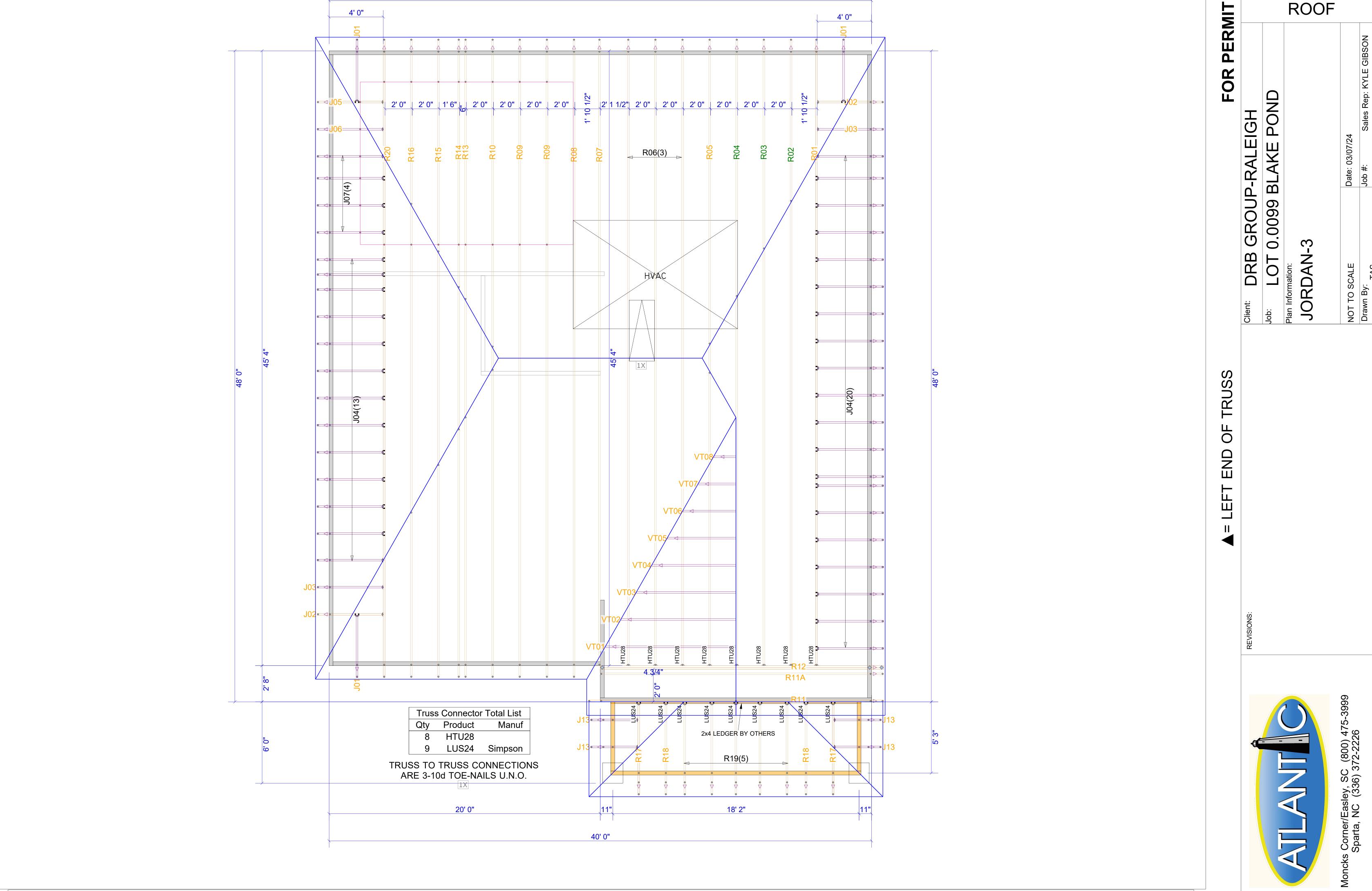
WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and safe handling and installation. For general handling and installation guidance, see the "Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses ("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.



FLOOR FOR PERMIT Date: 03/07/24 Job #: Sales Rep: KYLE GIBSON 23-B588-F01 Phone: 864-304-3282 0.0099 BLAKE POND DRB LOT (NOT TO SCALE

Drawn By: **TRUSS** END OF





WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and safe handling and installation. For general 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.