# MIDDLETON-RALE

RALEIGH - LOT 00.0003 HONEYCUTT HILL SF

(MODEL# 2183)

ELEVATION 10 - GR

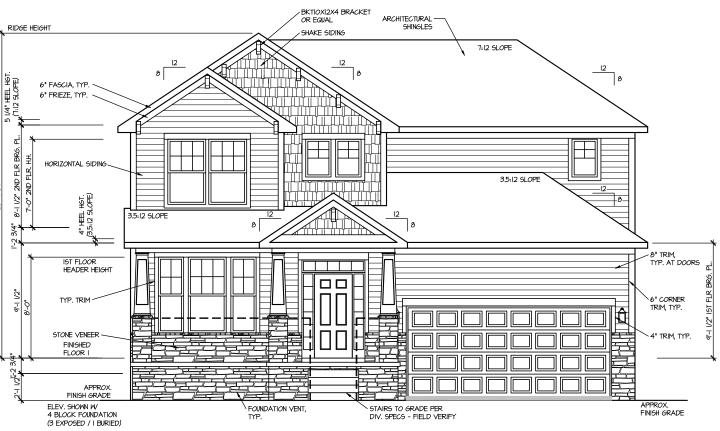
**INDEX** 

# HOMES

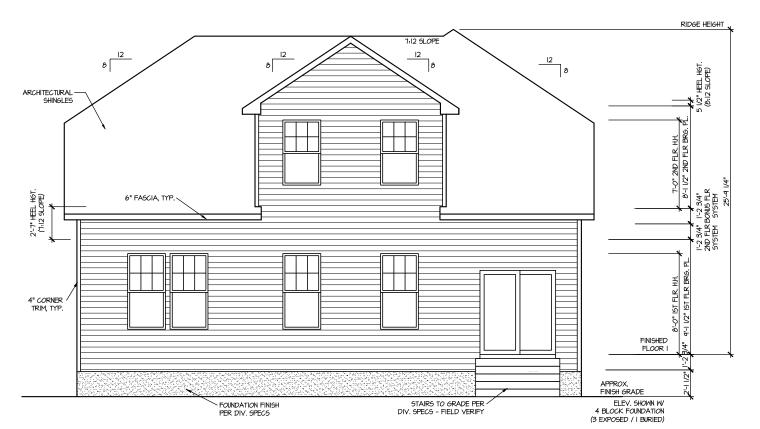
AREA CALCULATIONS ELEVATION 10		HEATED	COVERED / UNHEATED	UNCOVERED
FIRST FLOOR		1495 SF		
GARAGE			417 SF	
FRONT PORCH - ELEVATION 10			203 SF	
SECOND FLOOR		692 SF	200 0.	
SECOND FECON		002 01		
OPTIONS				
BONUS ROOM		310 SF		
Berree Reem		010 01		
	TOTAL	2497 SF	620 SF	
	101712	2107 01	020 31	

### 53 SHELBY MEADOW LANE

LOT	SPECIFIC	
1	LOT 00.0003	HONEYCUTT HILL SF
		MIDDLETON REV. RALE 1 ELEVATION 10
2	ADDRESS	53 SHELBY MEADOW LANE ANGIER, NC 27501
<b>-</b>		
<b>-</b>		
<u> </u>		







REAR ELEVATION IO

UPDATED DATE 02-03-2023 DRAWN BY: DATE: 02/29/2024

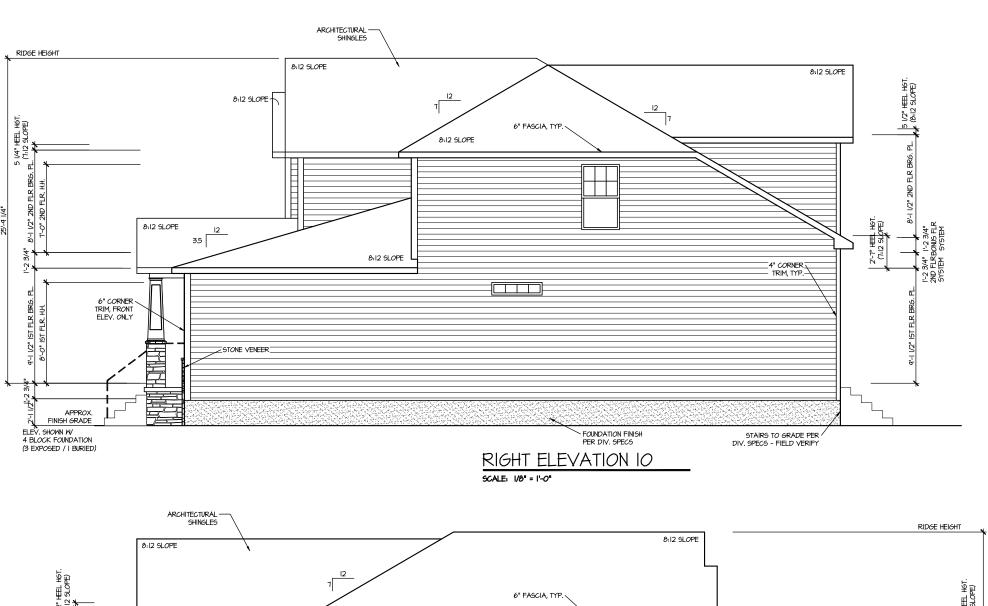
PLAN NO. 2183

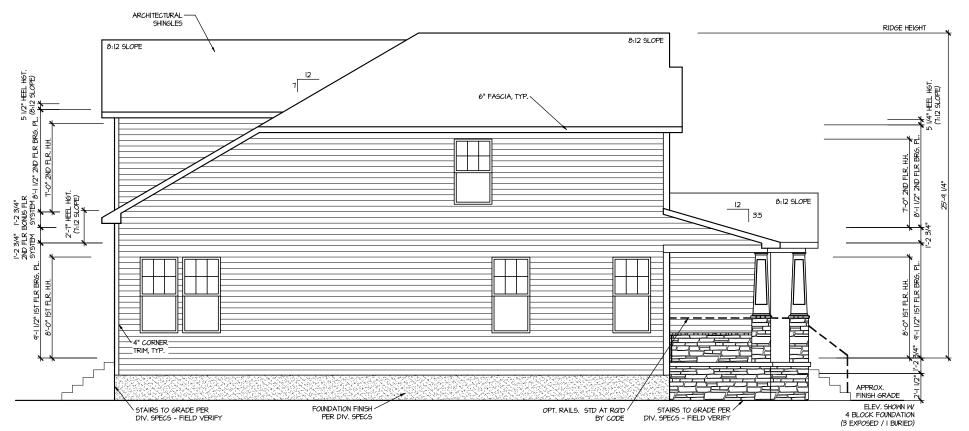


FRONT & REAR ELEVATIONS

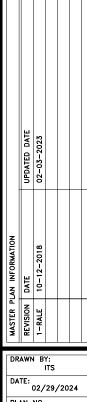
HOUSE NAME:
MIDDLETON
DRAWING TITLE

SHEET No.





LEFT ELEVATION IO



PLAN NO. 2183



RIGHT & LEFT ELEVATIONS

HOUSE NAME:
MIDDLETON
DRAWING TITLE

SHEET No.

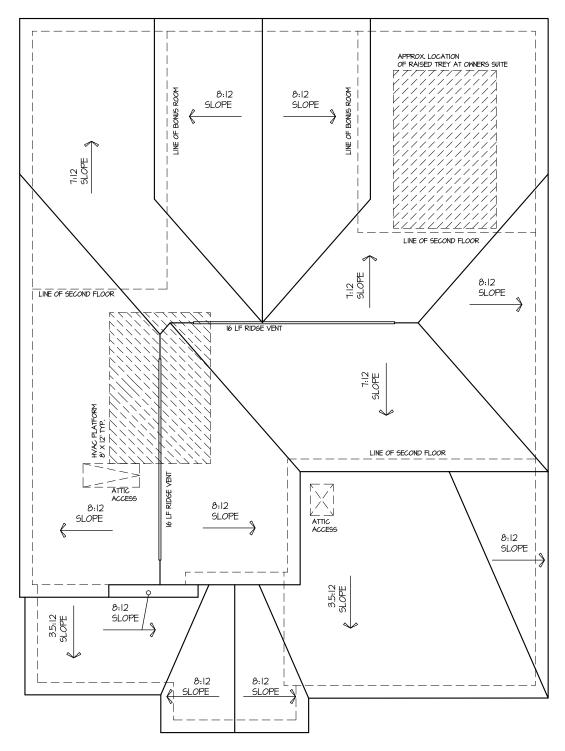
ROOF VENTILATION CALCULATIONS:
ROOF AREA = 1721 90. FT.
OVERALL REGISTED VENTILATION.
170 300 = 15.150. FT.
170 300 = 5.16 90. FT.
170 300 = 5.16 90. FT.
170 300 = 2.60 - 4.61 90. FT. (1 10 300)
NET FREE AREA OF VENTED SOFFIT = 5.7 90. IN / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 16 90. IN / LINEAR FT.

LOPER VENTING. (BOTTOM 2/3 RDS)

IN LINEAR FEET OF SOFFIT X 5.7 50. IN. = 4.71 50. FT.

INPER VENTING. (TOP. L28 BL) 50. IN. = 4.0 50. FT.
400 50.7 LEPIZED 50. = 50%

TOTAL ROOF VENTILATION. 8.11 50. FT. 5.16 50. FT. (R0D)



ROOF PLAN ELEV. 10

FILE: Lot 00.0003.dwg DATE: 2/29/2024 3:35 PM

HOUSE NAME:
MIDDLETON

BRAWING TITLE

ROOF PLAN

DRAWN BY:

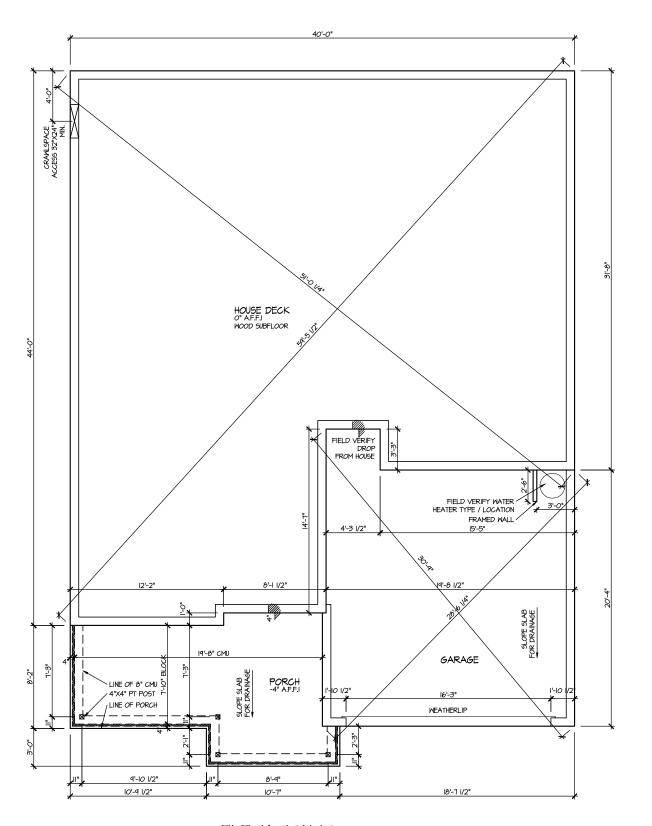
DATE: 02/29/2024

PLAN NO. 2183 CRAMLSPACE VENT CALCULATIONS ALL ELEVATIONS
CRAML AREA = 1445 50. FT.
OVERALL REQUIRED VENTILATION:
I 50. IN PER I 50. FT. = 1444 50. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT WITTEN AUTOMATIC VENT OAL-I OR EQUAL

<u>VENTING REQUIREMENT:</u> 1495 SQ. IN. / 12 SQ. IN = 20.1 VENTS = 21 VENTS

ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL OTHERS TO BE FIELD LOCATED. VENTS SHALL BE INSTALLED PER R322.22 - R322.22.



ELEVATION IO CRAWLSPACE PLAN SCALE: 1/8" = 1'-0"

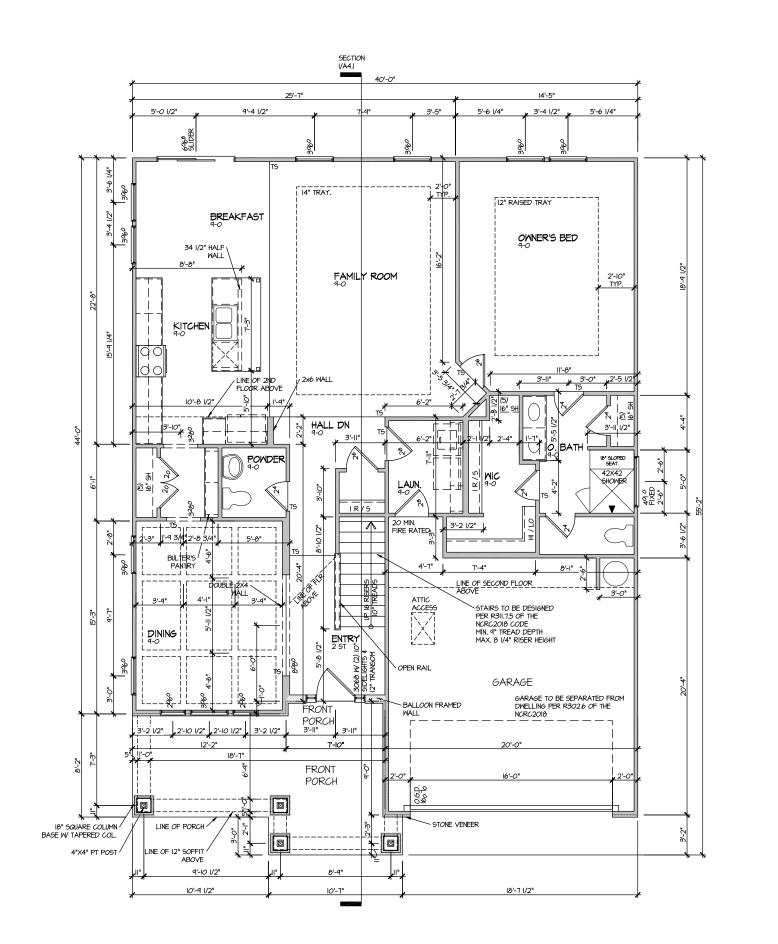
CRAMLSPACE PLAN HOUSE NAME:
MIDDLETON
DRAWING TITLE

SHEET No. A2.I

UPDATED DATE 02-03-2023

DRAWN BY:

DATE: 02/29/2024 PLAN NO. 2183



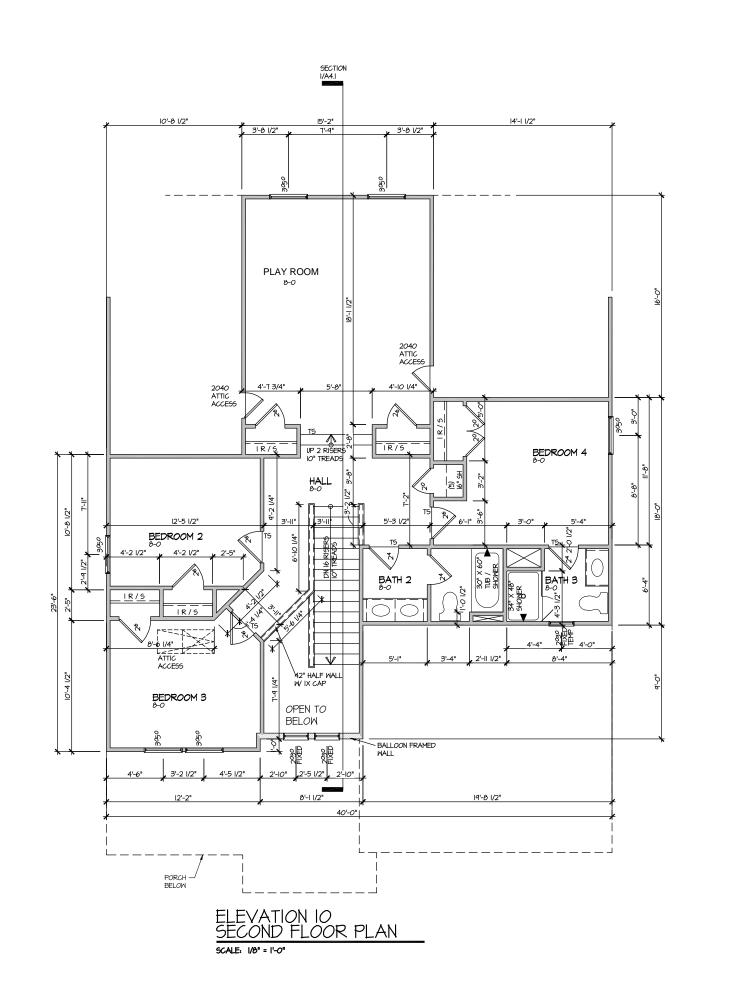
| MASTER PLAN INFORMATION | MASTER PLAN INFORMATION | MASTER PLAN INFORMATION | CON | CON

HOMES

HOUSE NAME:
MIDDLETON
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No. A3.1

ELEVATION IO FIRST FLOOR PLAN SCALE: VO' = 1'-0'

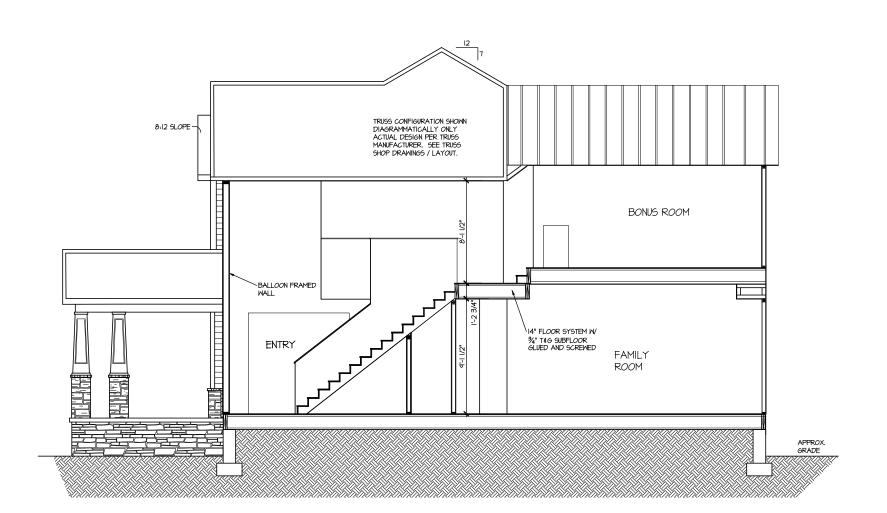


UPDATED DATE 02-03-2023 DRAWN BY: DATE: 02/29/2024 PLAN NO. 2183

SECOND FLOOR PLAN

HOUSE NAME:
MIDDLETON
DRAWING TITLE

SHEET No. A3.2

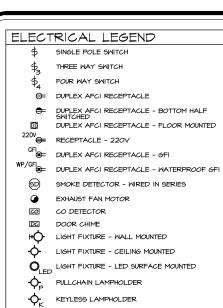


DRAWN BY: DATE: 02/29/2024 PLAN NO. 2183

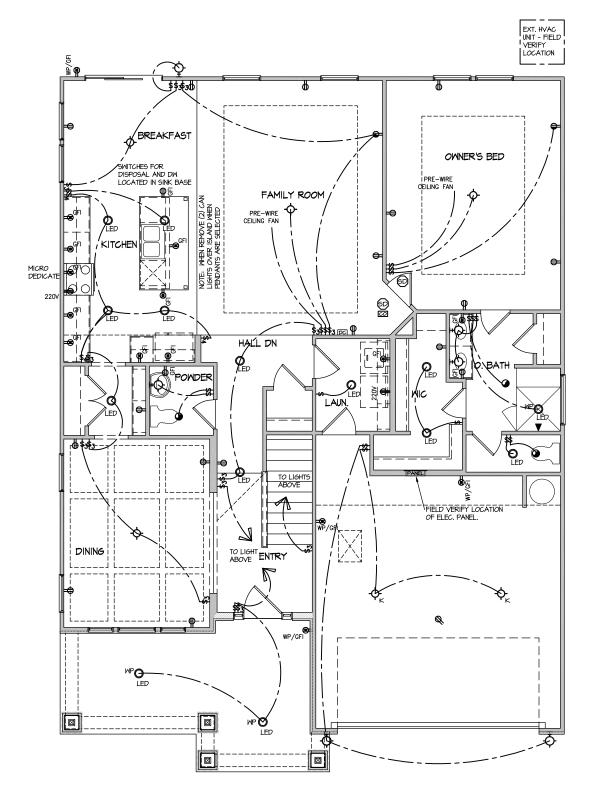
UPDATED DATE 02-03-2023

HOUSE NAME:
MIDDLETON
DRAWING TITLE
BUILDING SECTION

SHEET No. A4.1



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: 02/29/2024

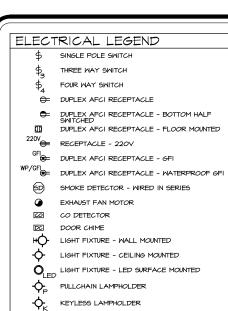
PLAN NO. 2183



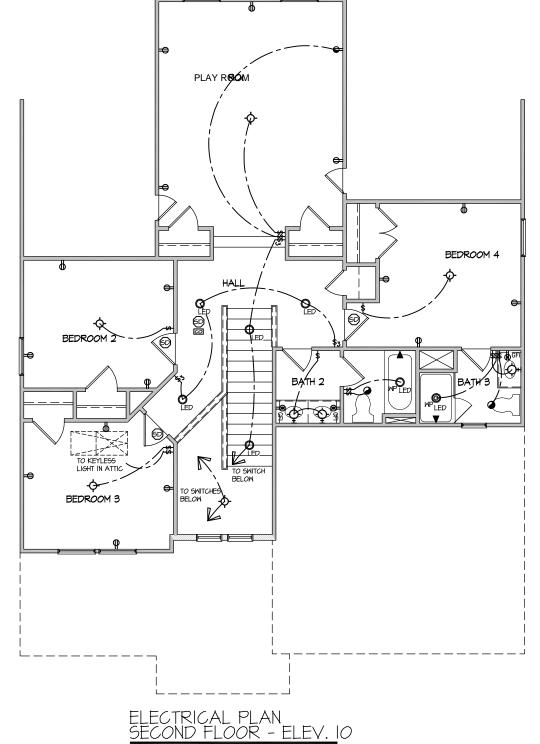
FLOOR ELECTRICAL HOUSE NAME:
MIDDLETON

SHEET No.

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.



"ILE: Lot 00.0003.dwg DATE: 2/29/2024 3:35 PM

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

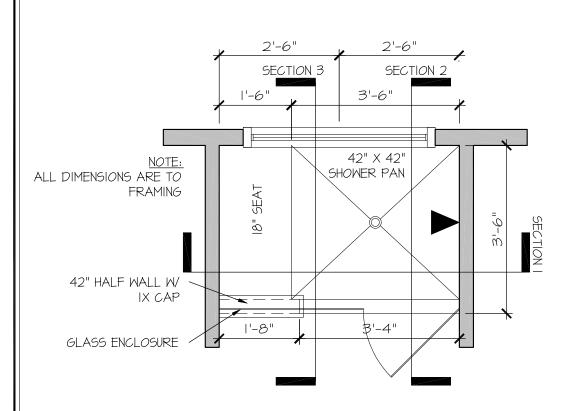
SHEET No.

HOUSE NAME:
MIDDLETON
DRAWING TITLE

SECOND FLOOR ELECTRICAL

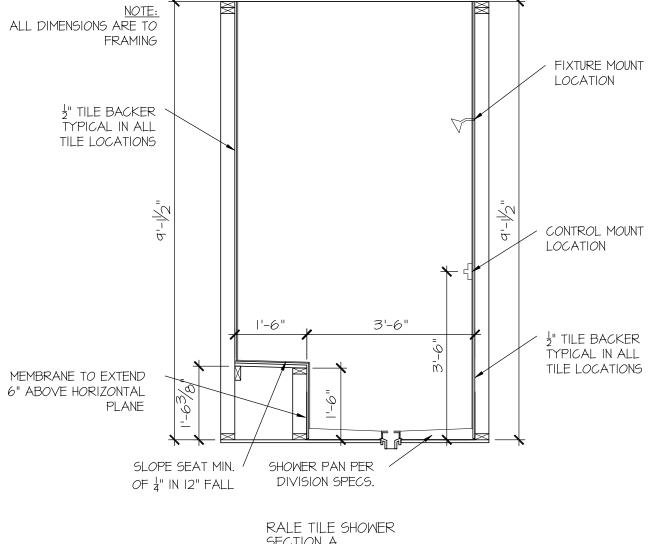
UPDATED DATE 02-03-2023

DRAWN BY: ITS DATE: 02/29/2024 PLAN NO. 2183



RALE TILE SHOWER 42" X 42" W 18" SEAT

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



SECTION A

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

CONSULTANT LOGO

DRAWN BY: L. BEAVERS DATE: 9/1/22 PLAN NO.

11 X 17 SCALE

24 X 36 SCALE



DETAIL SHOWER RALE

SHEET No.



SEAL

DRAWN BY:
L. BEAVERS

DATE: 9/1/22
PLAN NO.

11 X 17 SCALE

\_\_\_\_\_

24 X 36 SCALE

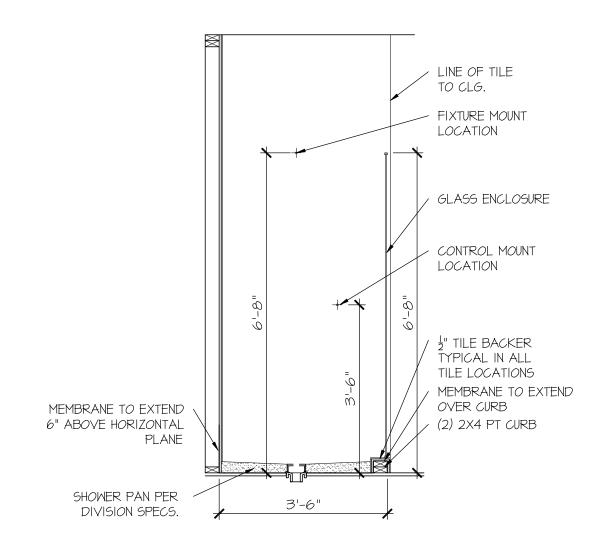


E SHOWER DETAIL

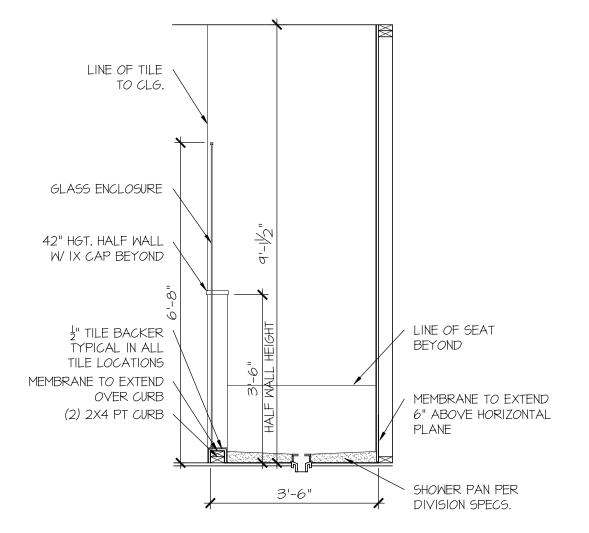
SAWING TITLE

SHEET No.

P | 2



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 <b>●</b> 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 SELE

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

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

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME

I CONTACT WITH FLOOR FRAMING ARE LEVEL

ON GRADE, BEAMS, WALLS, AND NON-BEARING

THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENT

INCLUDING, BUT NOT LIMITED TO: FOUNDATIONS, SLABS

ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY

NECESSARY, INCLUDING CONSIDERATION OF THOSE

TO VERIEY I EVELNESS AND MAKE ADJUSTMENTS AS

AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY

ADDITIONAL NOTES FOR TRUSS &

I-JOIST MANUFACTURER

DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS

PARALLEL TRUSSES/LIGISTS OR GIRDER TRUSSES/ELUS

FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:

LOAD. (NOT DIFFERENTIAL DEFLECTION)

FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO

LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAI

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT

BEAMS DO NOT EXCEED THE FOLLOWING:

FLOOR FRAMING BY OTHERS.

DIFFERENTIAL DEFLECTION BETWEEN ADJACENT

LOISTS SHALL BE DESIGNED TO MEET THE

NOTED OTHERWISE ON PLAN.

A. ROOF TRUSSES:

I/4" DEAD LOAD

I/8" DEAD LOAD

AND ITS COMPONENTS DURING CONSTRUCTION. THIS

#### 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.

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)2x6	(3)2×6

ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED 9 24" O.C. (MAX.)

#### GENERAL STRUCTURAL NOTES

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

DEAD = 1 PSF T.C., 10 PSF B.C. LIVE = 16 PSF

LOAD DURATION FACTOR = 1.25

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAWN) IO PSF T.C., 5 PSF B.C. (TRUSSES)

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

2000 PSE ASSUMED ALLOWARI E 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 • 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 SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SYP) LUMBER, OR BETTER (KII N-DRIFD) 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=1.55x10^6 psi
- LVL' Fb=2600 psi: Ev=285 psi: E=2.0xl0^6 psi
- 'PSL' FB=2900 PSI, FV=290 PSI, E=2,0XI0^6 PSI M+K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES 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
- INSTALL ATION. • 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"X31/2" SIMPSON SDS SCREWS (OR 31/2" TRUSSLOK SCREWS) **0** 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 ½" OR 5 ¼" BEAMS ARE ACCEPTABLE, USE 2 ROWS OF NAILS FOR 2x6 & 2x8
- FOR 4 PLY BEAMS OF FOUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
- THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, 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 & ABW44Z BASE, U.N.O.

#### FLOOR FRAMING

- . I DISTS/TRUSSES SHALL BE DESIGNED BY MANUE 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 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 I (OR APPROVED EQUAL) WITH TONGUE AND EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B. GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- 2 ½" x 0.131" NAILS @ 6"0,c, @ PANEL EDGES & @ 12"0,c, FIELD.
- 2 3 × 0.120 NAILS @ 4 O.C. @ PANEL EDGES € @ 8 O.C. FIELD - 2 3 × 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
- FASTEN EACH ROOF TRUSS TO TOP PLATE W SIMPSON H2.5T CLIP (OR APPROVED EQUAL) & ALL BEARING POINTS PROVIDE (2) H25T 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 WICA & TPI'S BCSLI-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 @ 19.2" O.C. MAX.
- ROOF SHEATHING SHALL BE 1/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
- w/ 2 1 x 0.131 NAILS @ 6"04. @ PANEL FDGES & @ 12" 04. FIELD.
- W/ 2 3" x 0.120" NAILS @ 4"o.c. @ PANEL EDGES & @ 8" O.C. FIELD.
- W 2 3 × 0.113" NAILS @ 3"o.c. @ PANEL EDGES \$ @ 6" O.C. FIELD.

#### HOLD-DOWN SCHEDULE

	SYMBOL	SPECIFICATION
	HD-I	SIMPSON HTT4 HOLD-DOWN *
	HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UN.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)
	₩D-3	SIMPSON STHD14/14RJ HOLD-DOWN

#### ALTERNATIVE TO SSTB24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN 5

PROVIDE 12" MIN, EMBEDMENT INTO CONCRETE. INSTALL PER MANUF, RECOMMENDATIONS, DO NOT LOCATE ANCHORS WITHIN L 3/4" OF FDGE OF FOUNDATION

#### VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE	
3'-0"	20 FT. MAX	L3"x3"x/4"	
	3 FT. MAX	L3"x3"x/4"	
6'-0"	I2 FT. MAX	L4"x3"x/4"	
	20 FT. MAX	L5"x3½"x¾"	
8'-0"	3 FT. MAX	L4"x4"x/4" "	
0-0	I2 FT. MAX	L5"x3½"x¾"	
	I6 FT. MAX	L6"x3½"x¾"	
q'-6"	I2 FT. MAX	L6"x3½"x¾"	
16'-0"	2 FT. MAX	L7"x4"x½" **	
l	3 FT. MAX	L8"x4"x½" **	

- L LINTELS: SHALL SUPPORT 2 %' 3 ½' VENEER W 40 paf MAXIMIM MEIGHT. 16' SHALL HAVE 4" MIN. BEARING 16' SHALL HAVE 6" MIN. BEARING 16' SHALL NOT BE FASTENED BACK TO HEADER.

- 16' SHALL BE FASTENED BACK TO MOOD HEADER IN WALL @48'oc. w/ ½' DIA. x 3 ½' LONG LAG SCREYG IN 2' LONG VERTICALLY SLOTTED HOLD WAY. AVAX. YEMER IT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- LONG LAG SCREPS BY Z. LONG VERTICALLY SUPTIED FALES. WAY, VIDERS HIT, APPLES TO ANY TOWNROW OF PROCESSORY OF THE OPENNO. HER OFFENDERS AND THE OFFENDERS OF THE OFFENDERS OFFENDERS OFFENDERS OF THE OFFENDERS OFFENDERS OFFENDERS OF THE OFFENDERS OFFENDERS
- R GUEEN VENEER USE L4x3%". OR 3½" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" THICK.

#### LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

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

(120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R30L2LI)

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. CCORDINGLY, 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 NGSBG:RG SECTION R802.II.I.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 %"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
- ALT. STAPLE CONNECTION SPEC: 1½" 16 GA STAPLES
   (½" CROWN) ② 3" O.C. AT EDGES \$ ② 6" O.C. IN FIELD.

#### BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/4" 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 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 OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

#### <u>NOTES</u>

- 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 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 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. 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 lea 000.06
- BASEMENT FOUNDATION WALL DESIGN BASED ON: . 9' OR 10' HEIGHT (AS NOTED ON PLANS)
- TALLER WALLS MUST BE ENGINEERED.
- NOMINAL WIDTH (91/5" 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
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY
- 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 · 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 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

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

TH CAR SKOFESSIO. ENGINE SEPH T. P

ERNT EL



1&K project numbe 126-2304

rawn by: KF( sue date: 03-04-2

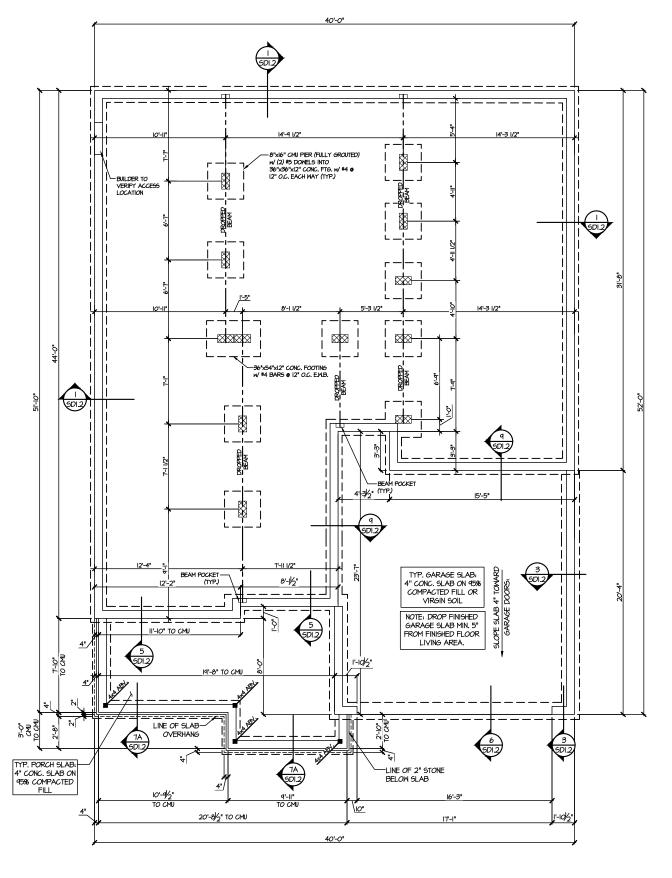
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LOT 3 - P RALEIGH

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

"H CAR SEPH T. R

MULHERN+KULI
RESIDENTIAL STRUCTURAL ENGINEERIN

3/8/24



M&K project number: 126-2304

drawn by: KFG issue date: 03-04-24

REVISIONS:

initial:

HONEYCUTT HILLS Lot 3 - Middleton 10 Raleigh, nc OUNDATION

**S1.0** 

- IIIIIIII 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

3/8/24

MUCHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

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M&K project number: 126-2304

drawn by: issue date: 03-04-24

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HONEYCUTT HILLS Lot 3 - Middleton 10 Raleigh, nc

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

LEGEND

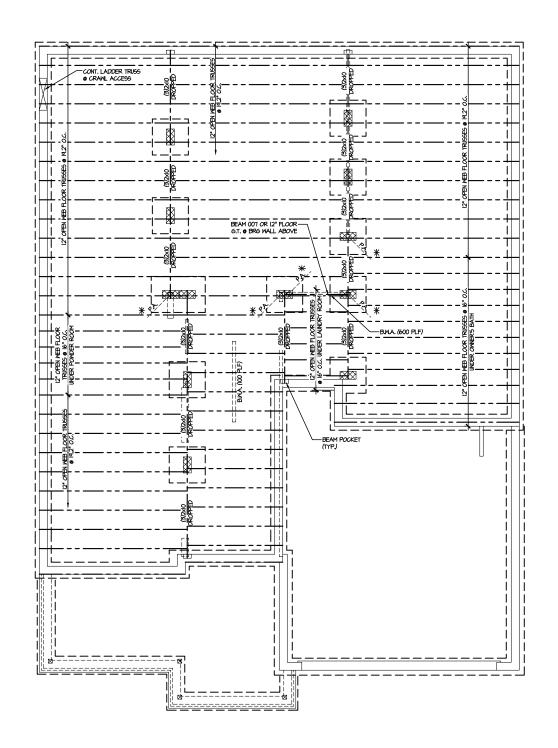
• = = INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING

\* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

• INTERIOR BEARING WALL

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

JL METAL HANGER



IST FLOOR FRAMING PLAN (CRAWLSPACE)

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 300 December And Structural Engineering patienteering - Anderson Patienteering

3/8/24

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M&K project number:

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roject mgr: rawn by: KFG ssue date: 03-04-24

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• ---- BEAM / HEADER • = = INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING

JL METAL HANGER

\* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

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

FOR STEEL BEAMS

LEGEND

INDICATES HOLD-DOWN OR STRAP.

INTERIOR BEARING WALL

● □===□ BEARING WALL ABOVE

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)134"x1176" - H	3½"×II%" - H	(2)13/4"×117/6" - H	(2)2xl2 + (l) 片"xll片" STEEL FLITCH PLATE - H	N/A
00IA	(2)134"x11%" - H	3½"×II%" - H	(2)13/4"x117/6" - H	(2)2xi2 + (l) 片"xil片" STEEL FLITCH PLATE - H	N/A
002	(2)134"x18" - FT	5¼"×18" - FT	N/A	(3)2xi2 + (2)片"xi以" Steel Flitch Plates - FB	WI2xI9 - F
003	(2)13/4"×14" - F	3½"x14" - F	(2)13/4"x14" - F	(2)2xi2 + (I) ¼"xil¼" STEEL FLITCH PLATE - FB	WI2xI4 - F
004	(2)13/4"×14" - F	3½"x14" - F	(2)13/4"×14" - F	(2)2xi2 + (I) ¼"xil¼" STEEL FLITCH PLATE - FB	WI2xI4 - F
005	(2)13/4"×14" - F	3½"x14" - F	(2)13/4"×14" - F	(2)2xi2 + (l) ¼"xil¼" STEEL FLITCH PLATE - FB	WI2xI4 - F
006	(2)13/4"×14" - F	3½"x14" - F	(2)13/4"×14" - F	(2)2xi2 + (l) ¼"xil¼" STEEL FLITCH PLATE - FB	WI2xI4 - F
001	(2)1¾"x11%" - F	3½"×II%" - F	(2)1¾"x11%" - F	(2)2xi2 + (I) ¼"xil¼" STEEL FLITCH PLATE - F	WI0x12 - F
000	(2)13/4"×14" - F	3½"x 4" - F	(2)134"×14" - F	(2)2xi2 + (l) ¼"xil¼" STEEL FLITCH PLATE - FB	WI2xI4 - F
004	(3)134"x18" - FT	51/4"×18" - FT	N/A	(4)2xl2 + (3) 片"xl以" STEEL FLITCH PLATES - FB	WI2x26 - F
010	(3)13/4"×20" - FT	5¼"x20" - FT	N/A	(4)2xl2 + (3) %"xll4" STEEL FLITCH PLATES - FB	WI2x35 - F
OII	(2)1¾"x11%" - FB	3½"xII%" - FB	(2)194"x14" - FB	(2)2xl2 + (l) 从"xll以" STEEL FLITCH PLATE - FB	WI0xI2 - FB
	· · · · · · · · · · · · · · · · · · ·				

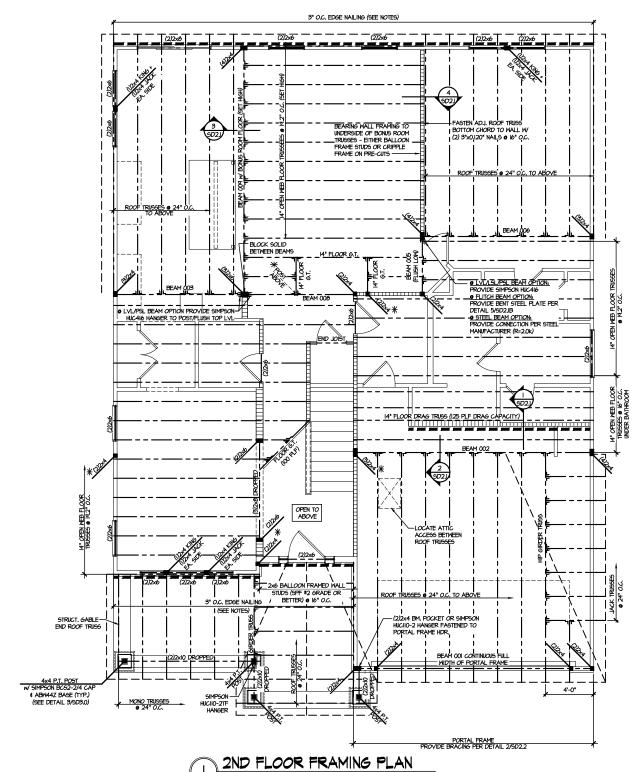
- BEAM NOTATION.

   "F" INDICATES FLUSH BEAM
   "FT" INDICATES FLUSH TOP BEAM
   "FT" INDICATES FLUSH BOTTOM BEAM
   "P" INDICATES FLUSH BOTTOM BEAM
   "D" INDICATES DROPPED BEAM
   "M" INDICATES DROPPED OPENING HEADER
  REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
  REFER TO DETAIL D/SD2.0 FOR TYPICAL SITEL BEAM CONNECTIONS
  REFER TO DETAIL D/SD2.0 FOR TYPICAL SITEL BEAM CONNECTIONS
  POR FLUSH TOP BEAMS PROVIDE 2'S TACKED PLATES BENEATH BEAM AS REQTD. FASTEN
  PLATES IN SUCCESSION W (2) 3"X0.120" NAILS 0 8" OC.

RAMING HONEYCUTT E
LOT 3 - MIDDLETON 10
RALEIGH, NC

HILL 110

**S3**.



# SCHEDULES

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.

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

3/8/24

MUCHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING Y

M&K project number:

126-23047 drawn by: KFG issue date: 03-04-24

REVISIONS:

initial:

HONEYCUTT HILLS Lot 3 - Middleton 10 Raleigh, nc ROOF

LEGEND

• = = INDICATES SHEAR WALL & EXTENT

\* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

EXTENT OF OVERFRAMING

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

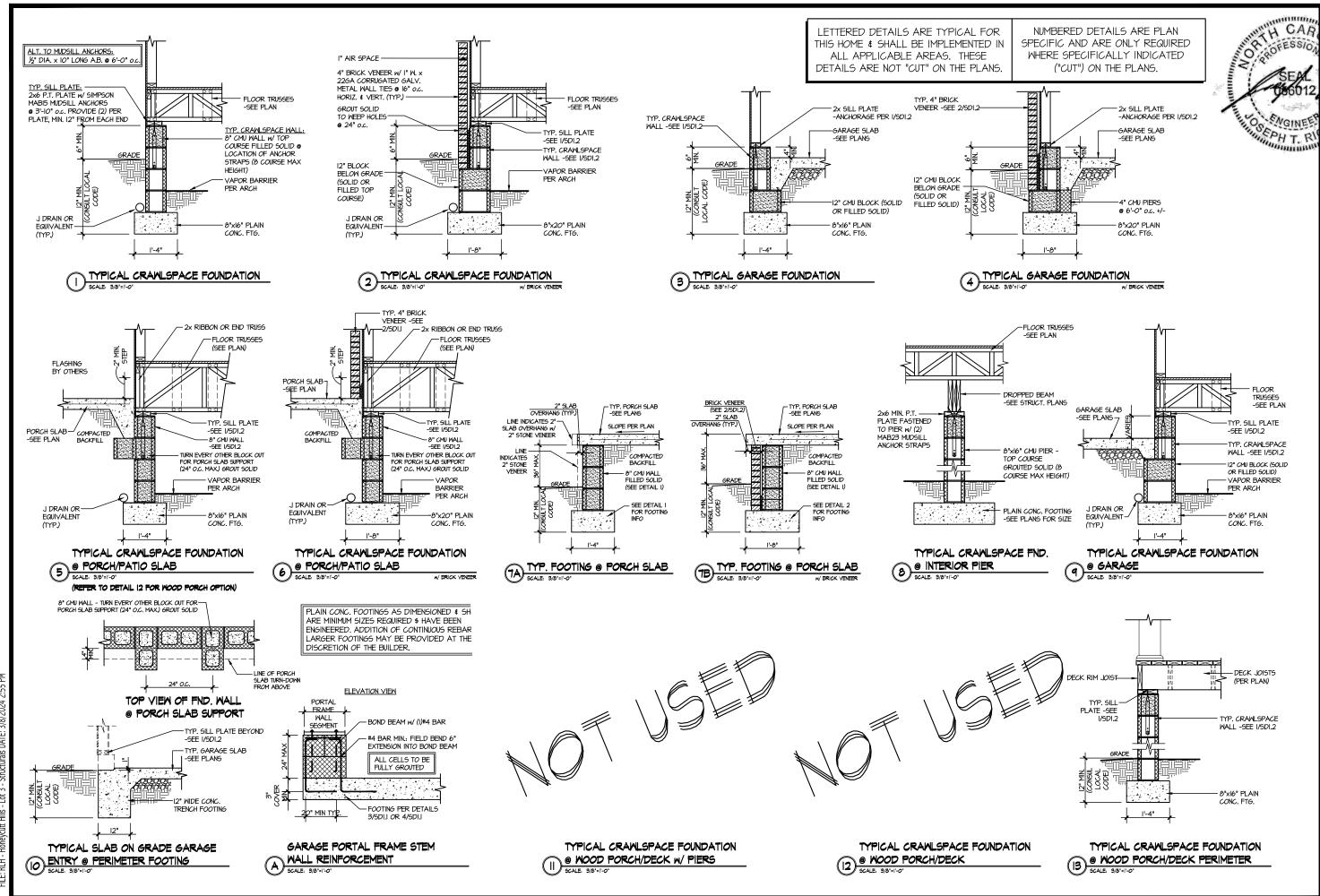
JL METAL HANGER

 INTERIOR BEARING WALL □===□ BEARING WALL ABOVE • ---- BEAM / HEADER

4'-0" SHEATH CONT.
FULL HEIGHT OF
WALL TO BOT. OF
2ND FLR PLATE -LOCATE ATTIC - -ACCESS BETWEEN-ROOF TRUSSES 2x6 BALLOON FRAMED WALL STUDS (SPF #2 GRADE OR BETTER) @ 16" O.C. FASTEN PER 3" O.C. EDGE NAILING (SEE NOTES)

3" O.C. EDGE NAILING (SEE NOTES)

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



SD1.2

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LOT 3 - P RALEIGH

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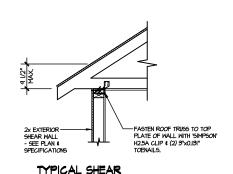
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sue date: 03-04-2

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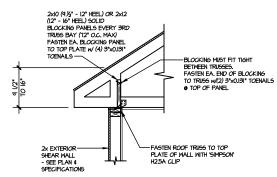
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TRANSFER DETAIL @ ROOF

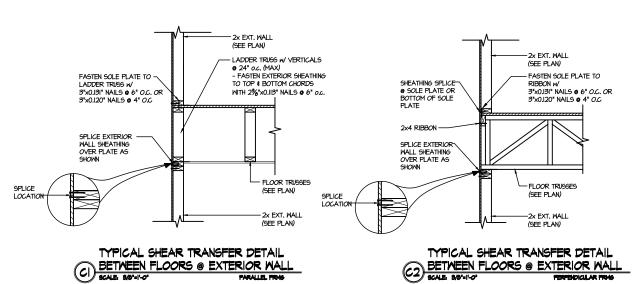
HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQD

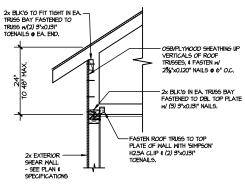
Al SCALE: 3/8"=1'-0"



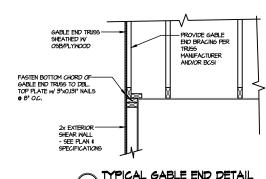


BETWEEN FLOORS @ EXTERIOR WALL
SCALE 5/6"-1"-0" FENTEDICLIAR FR46

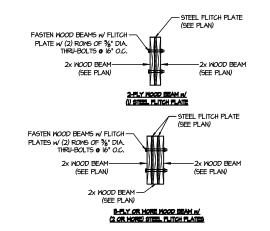




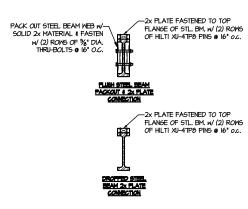












TYPICAL STEEL BEAM CONNECTION DETAIL SCALE 9/4\*-1\*-0\*

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

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

DETAILS ARE NOT "CUT" ON THE PLANS.

HONEYCUTT F Lot 3 - Middleton 19 Raleigh, NC RAMIN

HILL 110

DETAILS

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3/8/24

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M&K project number: 126-2304

KFC

initial:

ssue date: 03-04-24

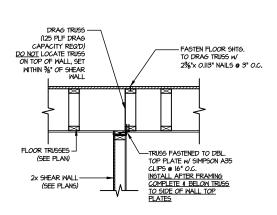
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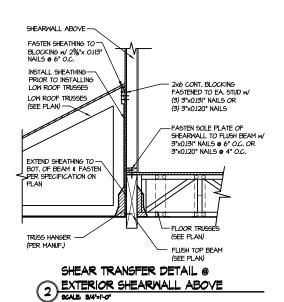
**SD2.0** 



SHEAR TRANSFER DETAIL

@ INTERIOR SHEAR MALL

SCALE SWITCH PRAILE FRAN



FASTEN SHEATHING TO LEDGER W 23% N.J.13" INAILS © 6" O.C.

SHEARWALL ABOVE

NSTALL SHEATHING

RICR TO INSTALLING

LOW ROOF TRUSSES

EXTEND SHEATHING TO

BOT. OF BEAM & FASTEN

PR SPECIFICATION ON

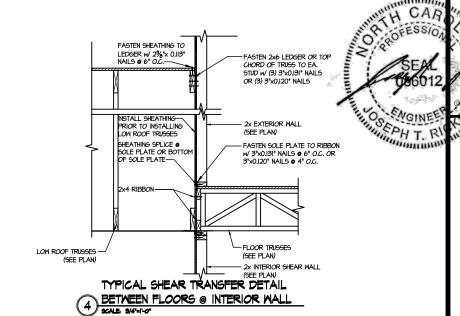
PLAN

LOW ROOF TRUSSES

LVL/PSL/LSL FLUSH

TOP BEAM (SEE PLAN)

SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE 500-11-01



M&K project number: 126-2304

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3/8/24

project mgr: JTF drawn by: KFC issue date: 03-04-24

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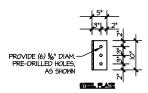
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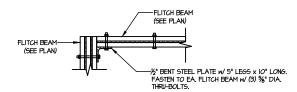
FRAMING DETAILS
HONEYCUTT HILL
LOT 3 - MIDDLETON 10
RALEIGH, NC

SD2.1A

ILE: RLH - Honeycutt Hills - Lot 3 - Structurals DATE: 3/8/2024 2:55 PM

## SHEAR TRANSFER DETAIL (I) (9) INTERIOR SHEAR WALL (SALE 84\*15" PARALE TRANS





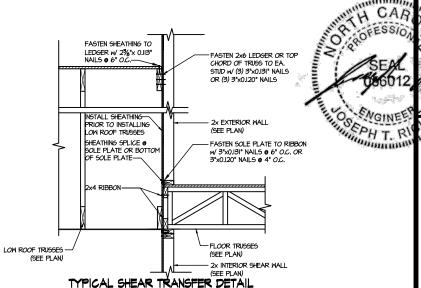
# TYPICAL FLITCH BEAM TO FLITCH BEAM SCANE SIA\*-1-0\*

FASTEN SHEATHING TO-SHEARWALL ABOVE -LEDGER w/ 2%"x 0.113" NAILS @ 6" O.C. EASTEN SHEATHING TO BLOCKING W/ 23/6"x 0.113" NAILS @ 6" O.C. INSTALL SHEATHING · 2x6 CONT. BLOCKING FASTENED TO EA, STUD w/ (3) 3"x0.131" NAILS OR FASTEN 2x6 LEDGER OR TOP CHORD OF TRUSS TO TO EA. STUD w/ (3) 3"x0.131" NAILS PRIOR TO INSTALLING LOW ROOF TRUSSES LOW ROOF TRUSSES SHEARWALL ABOVE-OR (3) 3"x0.120" NAILS (3) 3"x0.120" NAILS (SEE PLAN) -- FASTEN SOLE PLATE TO 2x STACKED PLATES W/ 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C. FASTEN SOLE PLATE TO 2X STACKED PLATES W/ 3"X0.131" NAILS @ 6" O.C. OR NSTALL SHEATHING — PRIOR TO INSTALLING LOW ROOF TRUSSES -PROVIDE 2x STACKED PLATES ATOP FLUSH 3"x0.120" NAILS @ 4" O.C. BOT. BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" o.c. -PROVIDE 2x STACKED PLATES ATOP FLUSH BOT. BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" oc. EXTEND SHEATHING TO — BOT. OF BEAM & FASTEN PER SPECIFICATION ON PLAN EXTEND SHEATHING TO BOT. OF BEAM & FASTEI PER SPECIFICATION ON TRUSS HANGER (PER MANUF.) (SFF PLAN) ∠FLOOR TRUSSE FLUSH BOT. BEAM-w/ FLITCH PLATE FASTEN WOOD BEAMS W/ FLITCH LOW ROOF TRUSSES (SEE PLAN) PLATES w/ (2) ROWS OF %" DIA. THRU-BOLTS (SEE DETAIL D/SD2.0) (SEE PLAN) FLUSH BOT. BEAM (SEE PLAN) w/ FLITCH PLATE

SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE SCALE SIGNIFOR

FLUSH BOT, BEAM—
W FLITCH PLATE
(SEE PLAN)
FASTEN WOOD BEAMS W FLITCH
PLATE (SEE PLAN)
SHEAR TRANSFER DETAIL @

EXTERIOR SHEARMALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL

BETWEEN FLOORS @ INTERIOR WALL

SCALE 844-1-0\*

M&K project number: 126-23047

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3/8/24

project mgr: JTF drawn by: KFC issue date: 03-04-24

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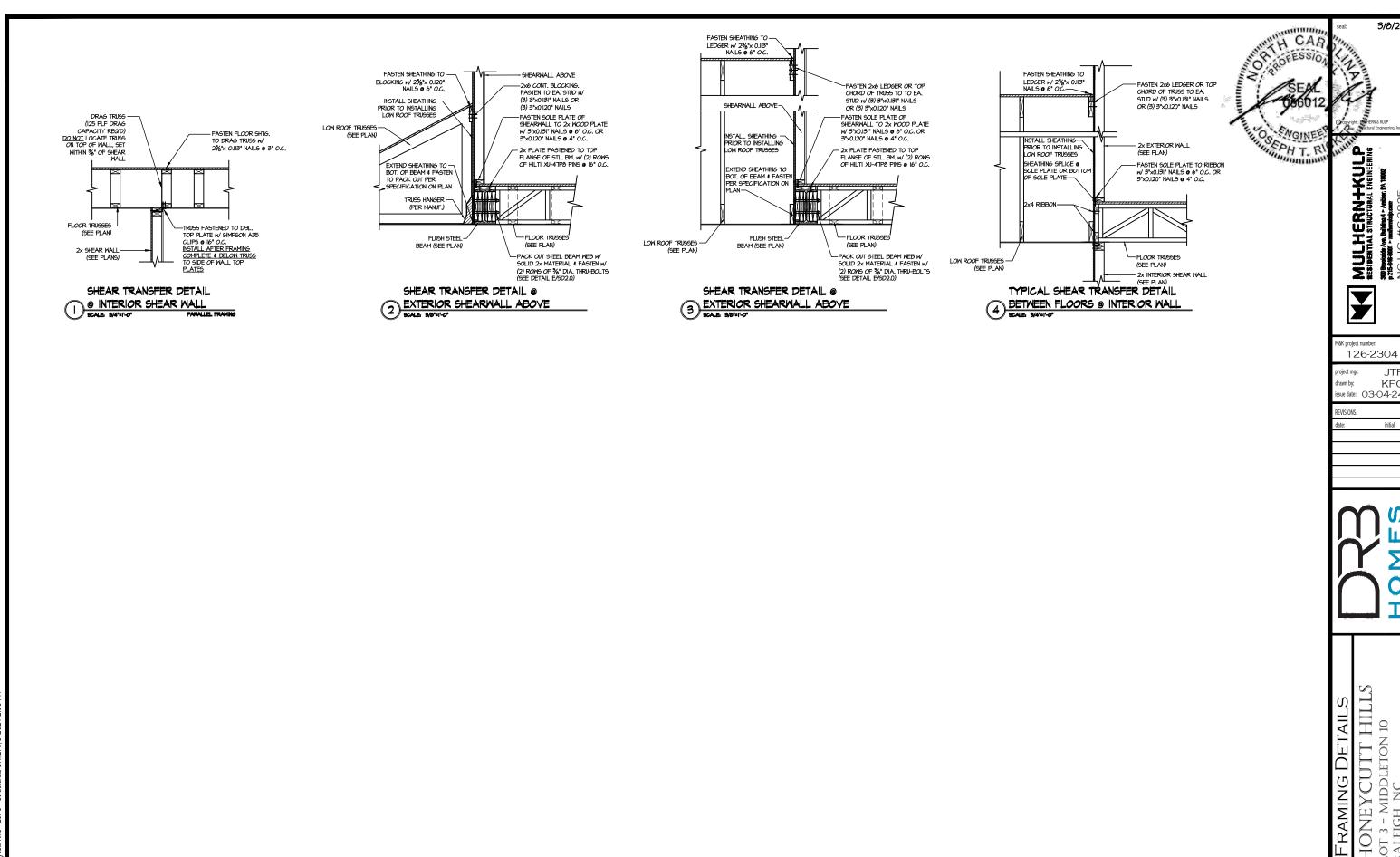
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FRAMING DETAILS
HONEYCUTT HILL!
LOT 3 - MIDDLETON 10
RALEIGH, NC

SD2.1B



HONEYCUTT E
LOT 3 - MIDDLETON 10
RALEIGH, NC

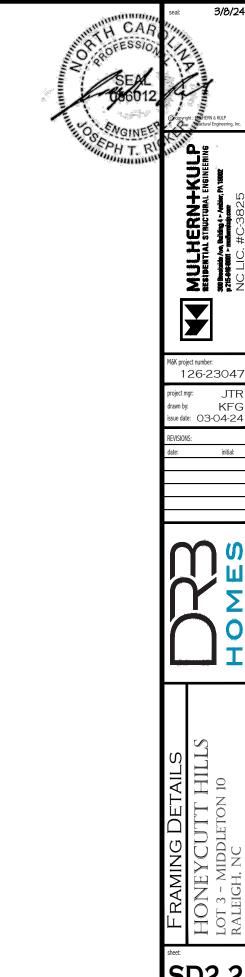
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**JTF** 

KFG

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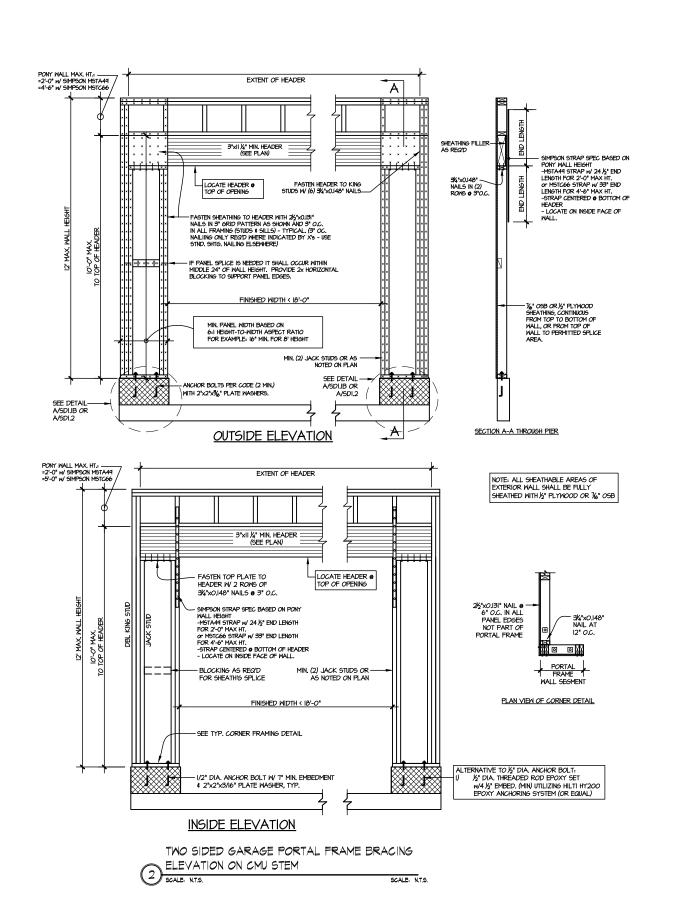
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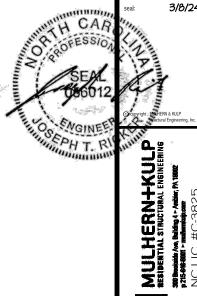


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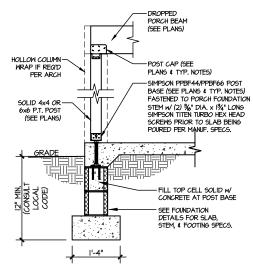
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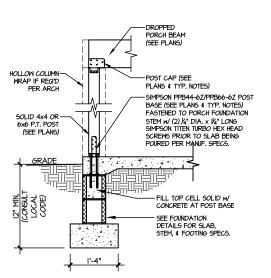


— DROPPED PORCH BEAM (SEE PLANS) HOLLOW COLUMN -WRAP IF REQ'D PER ARCH -- POST CAP (SEE PLANS & TYP. NOTES) -POST BASE (SEE PLANS & SOLID 4x4 OR -6x6 P.T. POST (SEE PLANS) TYP. NOTES) W ½" DIA. ANCHOR BOLT OR SIMPSON TITEN HD W MIN. 6" EMBED. GRADE - SEE FOUNDATION DETAILS FOR SLAB, STEM, & FOOTING SPECS. l'-4" TYPICAL PORCH POST CONNECTION DETAIL INSTALLED AFTER SLAB POUR
SCALE, NONE CRAVILSPACE FOINTSTATION

CRAWLSPACE FOUNDATION



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



TYPICAL PORCH POST CONNECTION DETAIL INSTALLED PRIOR TO SLAB POUR
SCALE: NONE CRANLSPACE FORDATION CRAWLSPACE FOUNDATION

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M&K project number: 126-2304

issue date: 03-04-24

KFG

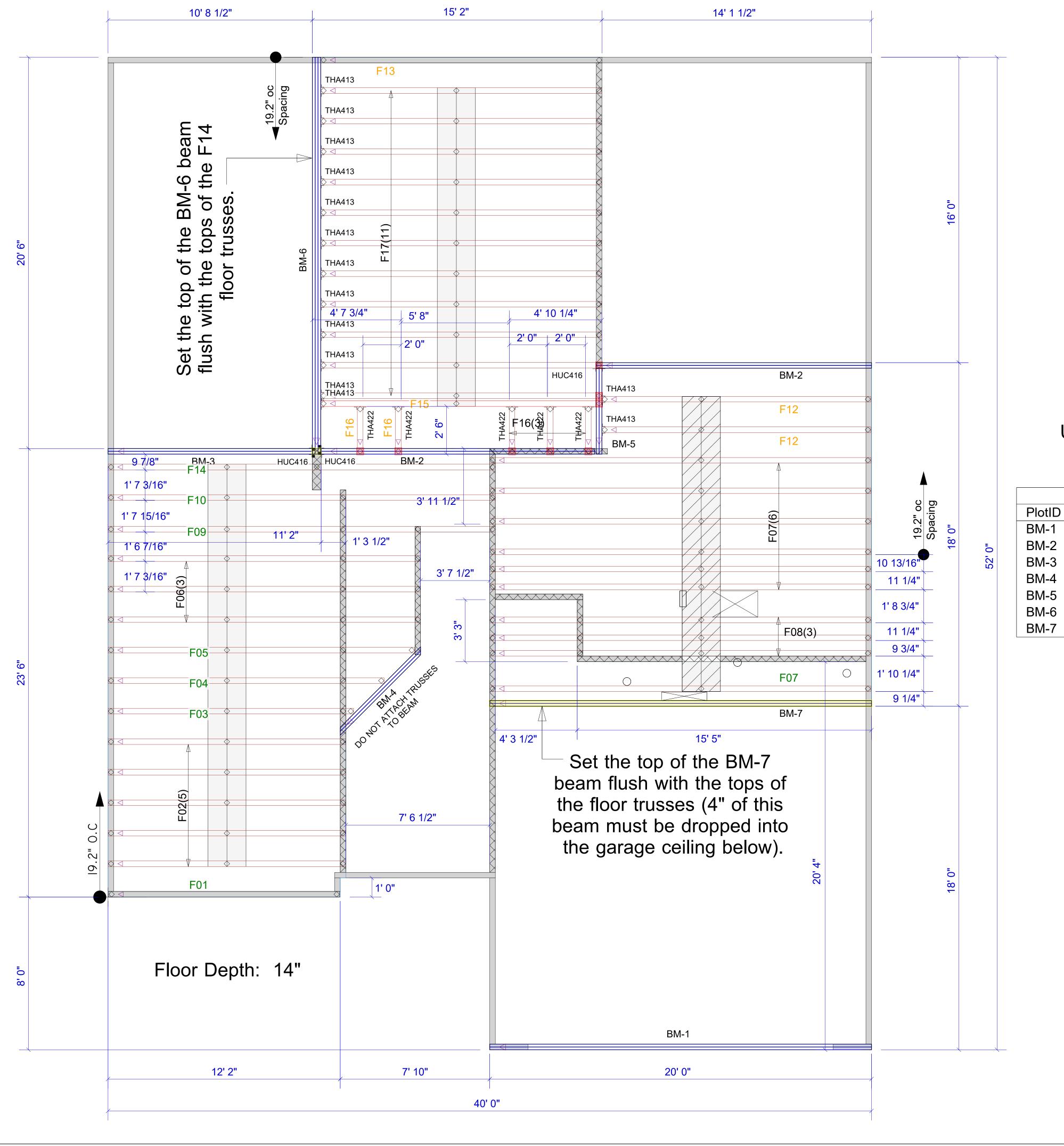
initial:

drawn by:

REVISIONS:

HONEYCUTT HILL LOT 3 - MIDDLETON 10 RALEIGH, NC FRAMING DETAILS

**SD3.0** 



Set the F13, F17, F16, and F17 trusses (over the family room) at a 10-3-8 bearing height.

Set all the other floor trusses at a 9-1-8 bearing height.

Unless otherwise indicated, all "above" beams are to be set at a 9-1-8 bearing height.

	Products				
PlotID	Length	Product	Plies	Net Qty	
BM-1	20' 0"	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP	2	2	
BM-2	16' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	4	
BM-3	12' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	
BM-4	8' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	
BM-5	6' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	
BM-6	22' 0"	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	3	3	
BM-7	20' 0"	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	2	2	

Connector Summary				
Qty	Manuf	Product	Flange	
3		HUC416	Reverse	

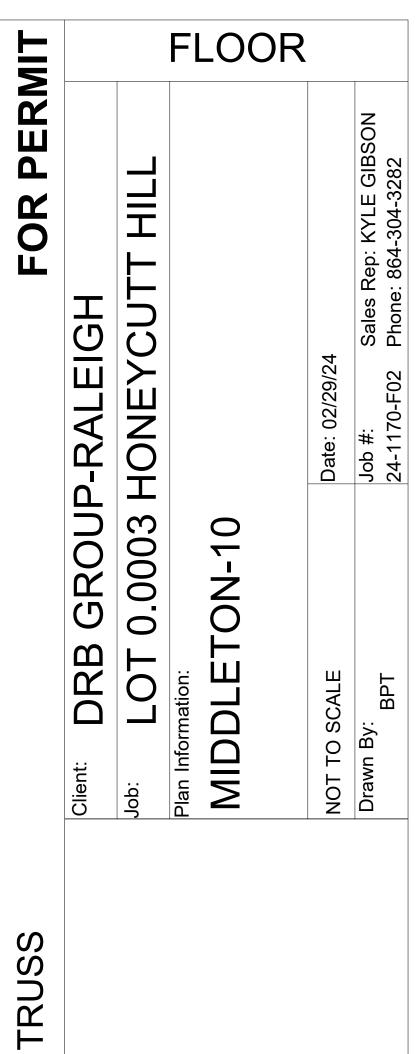
Truss Connector Total List

Manuf Product Qty

Simpson THA413 14

Simpson THA422 5

Extreme care must be taken to not set any of these trusses backwards.

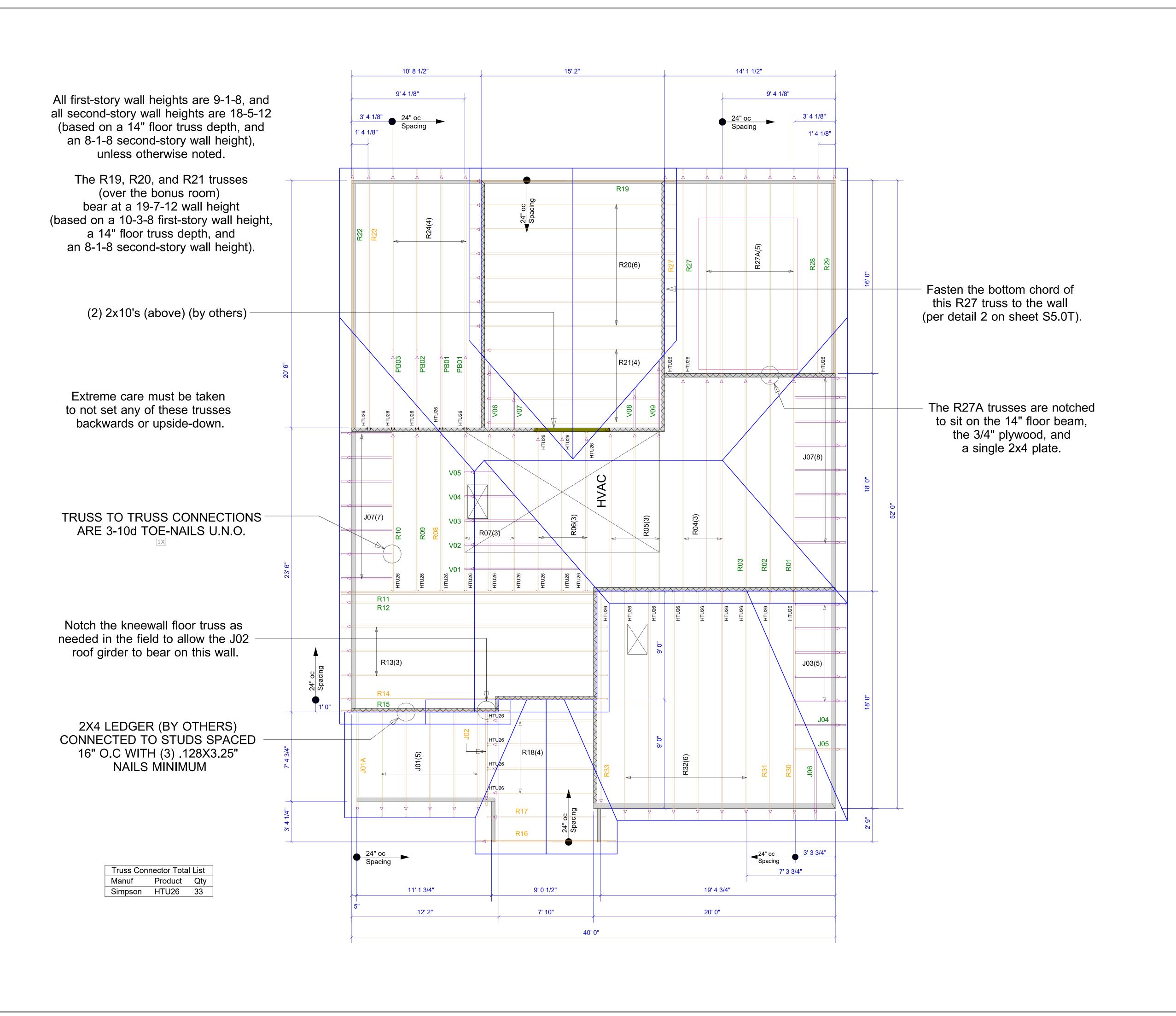


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END

ATILANITING

oncks Corner/Easley, SC (800) 475-3999
Sparta, NC (336) 372-2226



ROOF FOR PERMIT Sales Rep: KYLE GIBSON Phone: 0.0003 HONEYCUTT Date: 02/29/24 Job #: 24-1170-R01 MIDDLETON-10 DRB NOT TO SCALE

Drawn By: **TRUSS** OF END H



