# CALLAWAY-RALE

RALEIGH - LOT 00.0152 THE FARM AT NEILL'S CREEK

(MODEL# 2244)

**ELEVATION 1 - GL** 

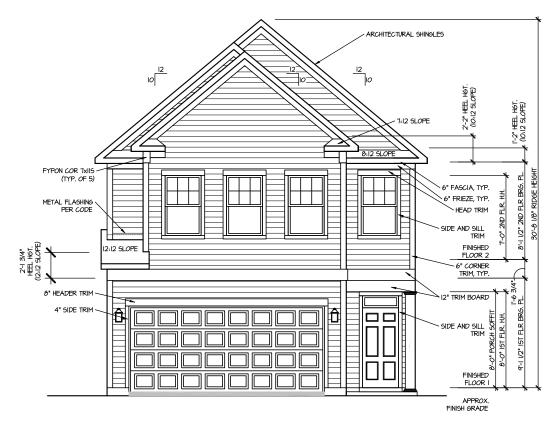


ADEA CALCULATIONS				
AREA CALCULATIONS			COVERED /	
ELEVATION 1		HEATED	COVERED / UNHEATED	UNCOVERED
FIRST FLOOR		955 SF		
GARAGE			414 SF	
FRONT PORCH - ELEVATION 1			35 SF	
SECOND FLOOR		1334 SF		
OPTIONS				
COVERED PORCH			237 SF	
	TOTAL	2289 SF	686 SF	

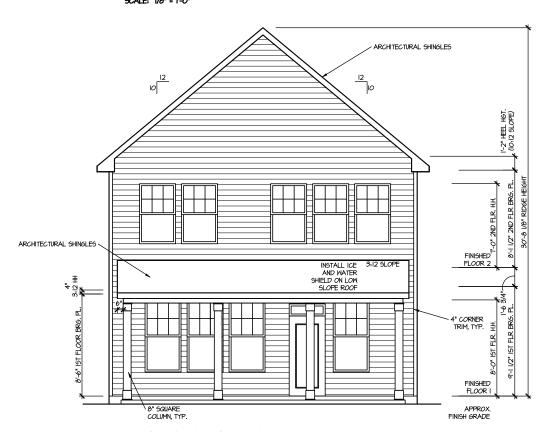
## 45 Little Branch Drive

LOT	SPECIFIC	
1	LOT 00.0152	THE FARM AT NEILL'S CREEK
		CALLAWAY REV. RALE 98 ELEVATION 1
2	ADDRESS	45 LITTLE BRANCH DR LILLINGTON, NC 27546
	1	
	1	
-		
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	-	
	-	

<u>INDEX</u>	
I	1



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



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

REVISION 98-RALE DRAWN BY:

DATE: 06/07/2025 PLAN NO. 2244

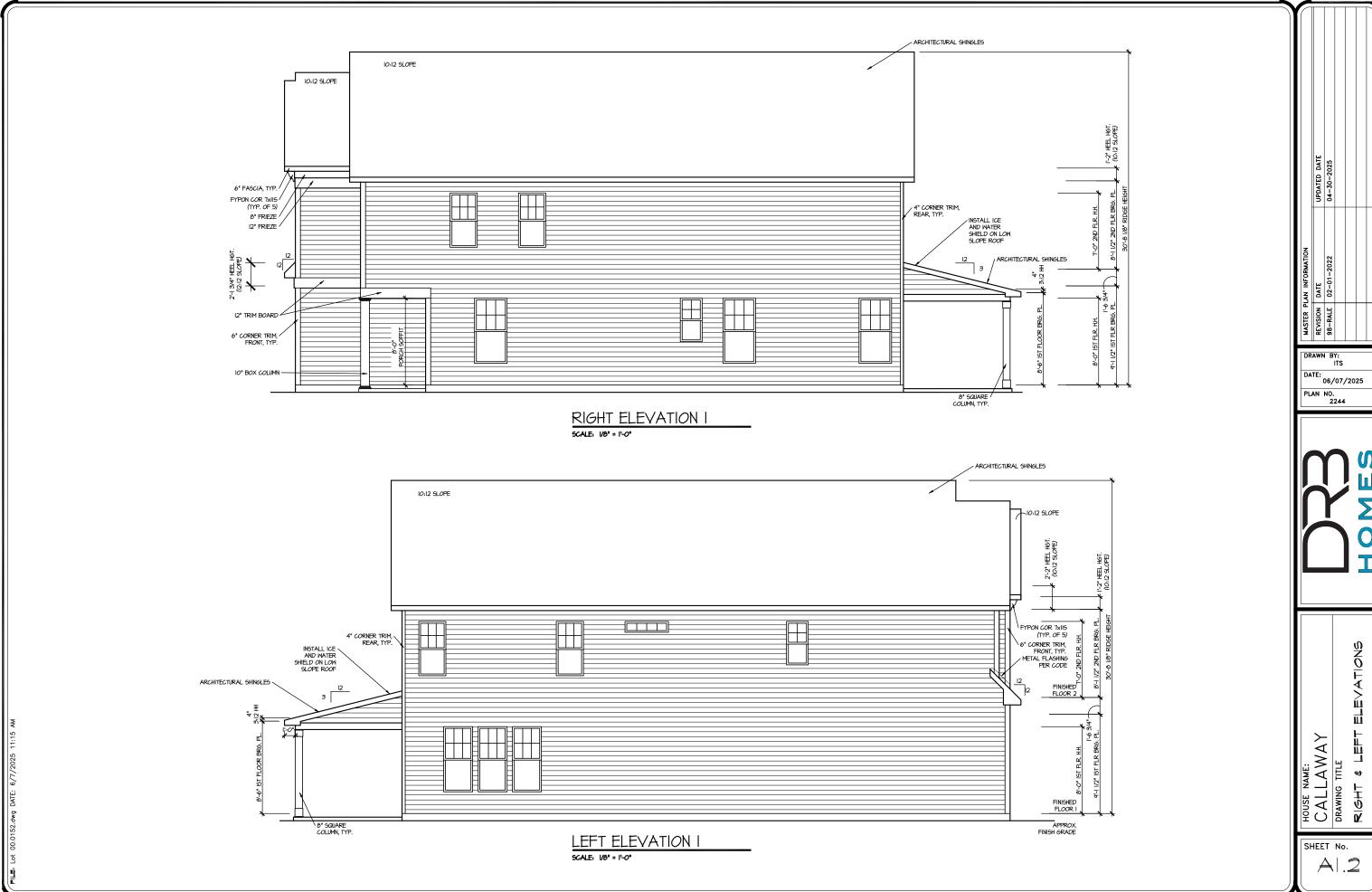


ELEVATIONS 07 ₹ 07

HOUSE NAME:
CALLAWAY
DRAWING TITLE
FRONT & REAF

SHEET No.

A|.



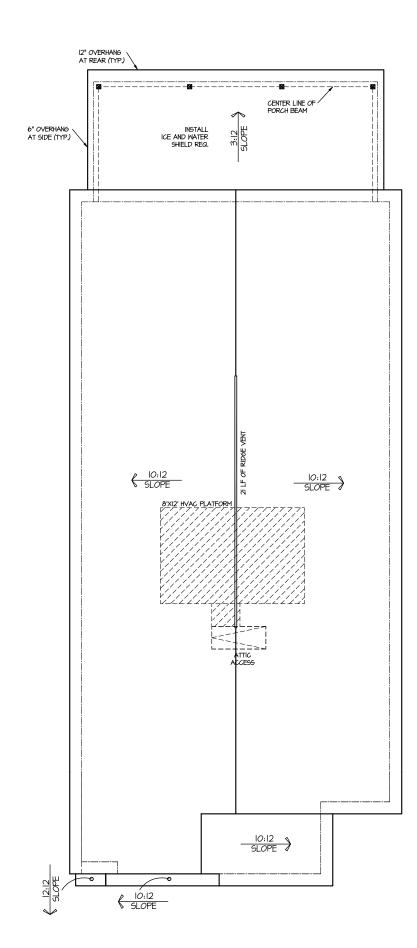
| ROOF VENTILATION CALCULATIONS: | ROOF AREA = 1570 50; FT. | OVERALL REQUIRED VENTILATION: | 1 TO 150 = 1041 50; FT. | 1 TO 300 = 5.23 50; FT. | 50% IN TOP THIRD = 2.62 50; FT. (1 TO 300) NET

FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 18 SQ. IN/ LINEAR FT.

| LOWER VENTING: (BOTTOM 2/3 RDS) | II6 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 4.59 SQ. FT. | O POD VENT X 61 SQ. IN. = 0 SQ. FT. | 5.56 Sq. FT. IN BOTTOM TWO THIRDS | I TO 300 ALLOWED|

| UPPER VENTING: (TOP 1/3 RD) | 21 LINEAR FEET OF RIDGE X IB 5Q. IN = 2.63 SQ. FT. | 0 POD VENT X 61 SQ. IN = 0 SQ. FT. | 15 SQ. FT. IN TOP THIRD | 1 TO 300 ALLOWED)

TOTAL ROOF VENTILATION: 1.22 SQ. FT. > 5.23 SQ. FT. (RQ'D)



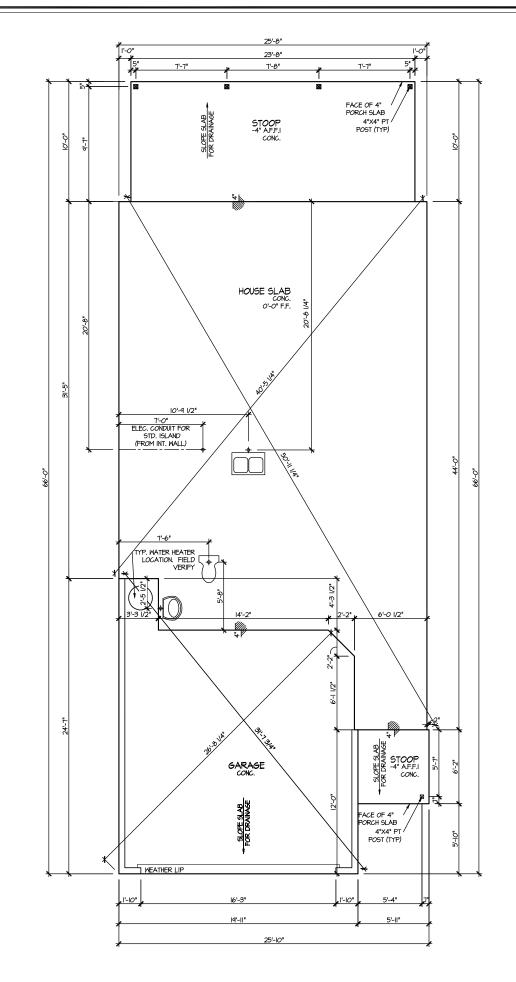
DRAWN BY: DATE: 06/07/2025 PLAN NO. 2244

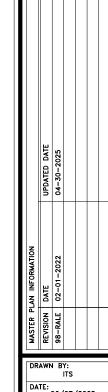
HOUSE NAME:
CALLAWAY
DRAWING TITLE
ROOF PLAN

SHEET No.

ROOF PLAN ELEV. I

AI.3





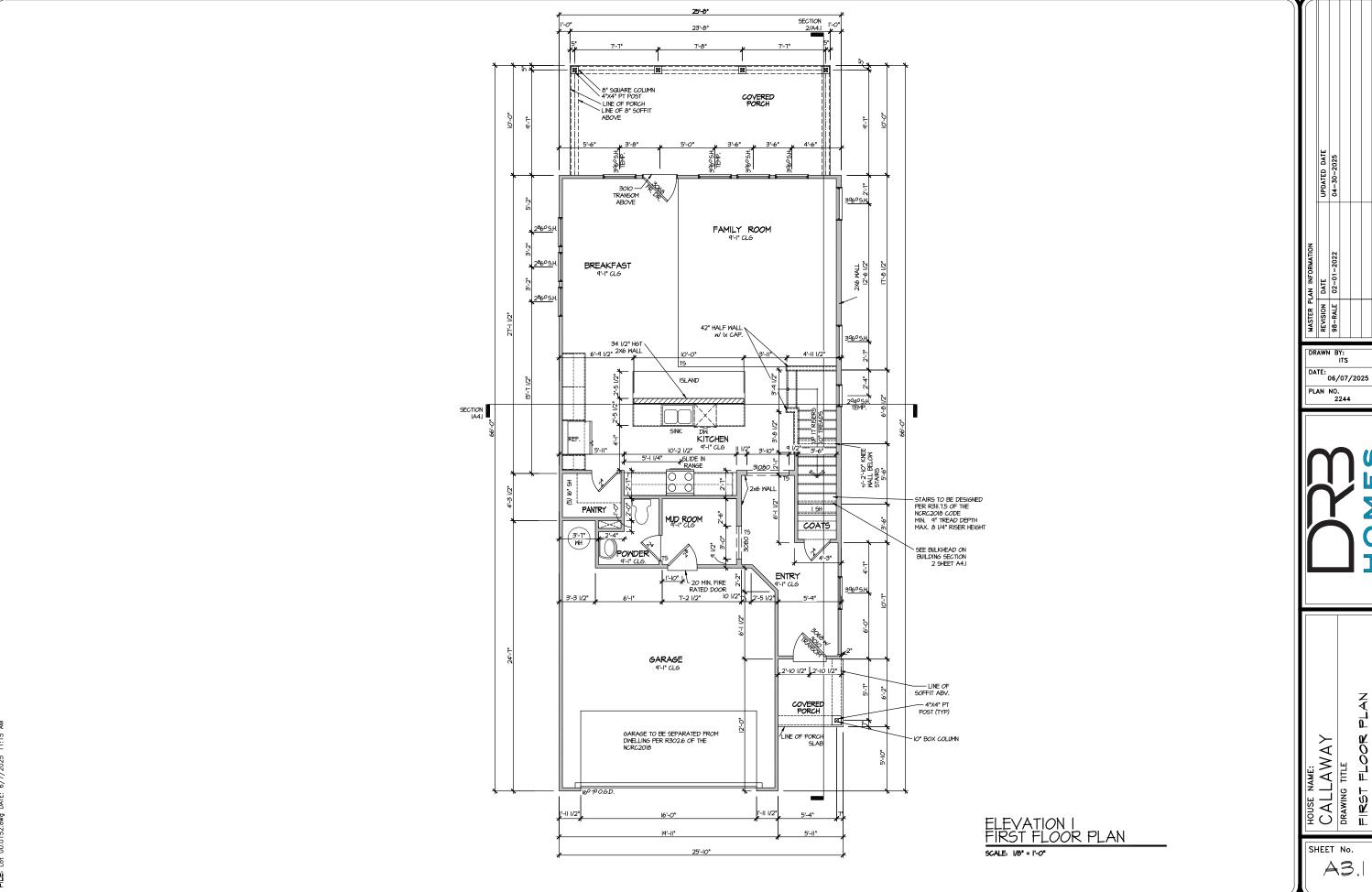
DATE: 06/07/2025 PLAN NO. 2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
SLAB PLAN

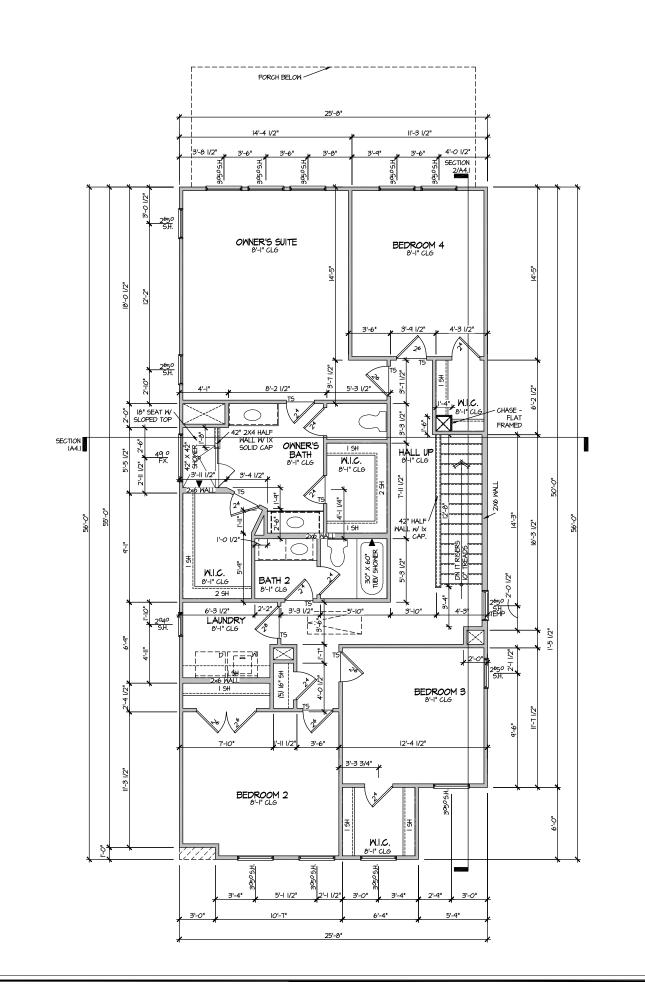
SHEET No. A2.1

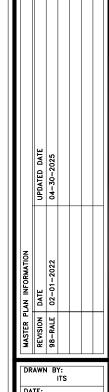
ELEVATION I SLAB PLAN SCALE: 1/8" = 1'-0"



DATE: 06/07/2025







DATE: 06/07/2025 PLAN NO. 2244



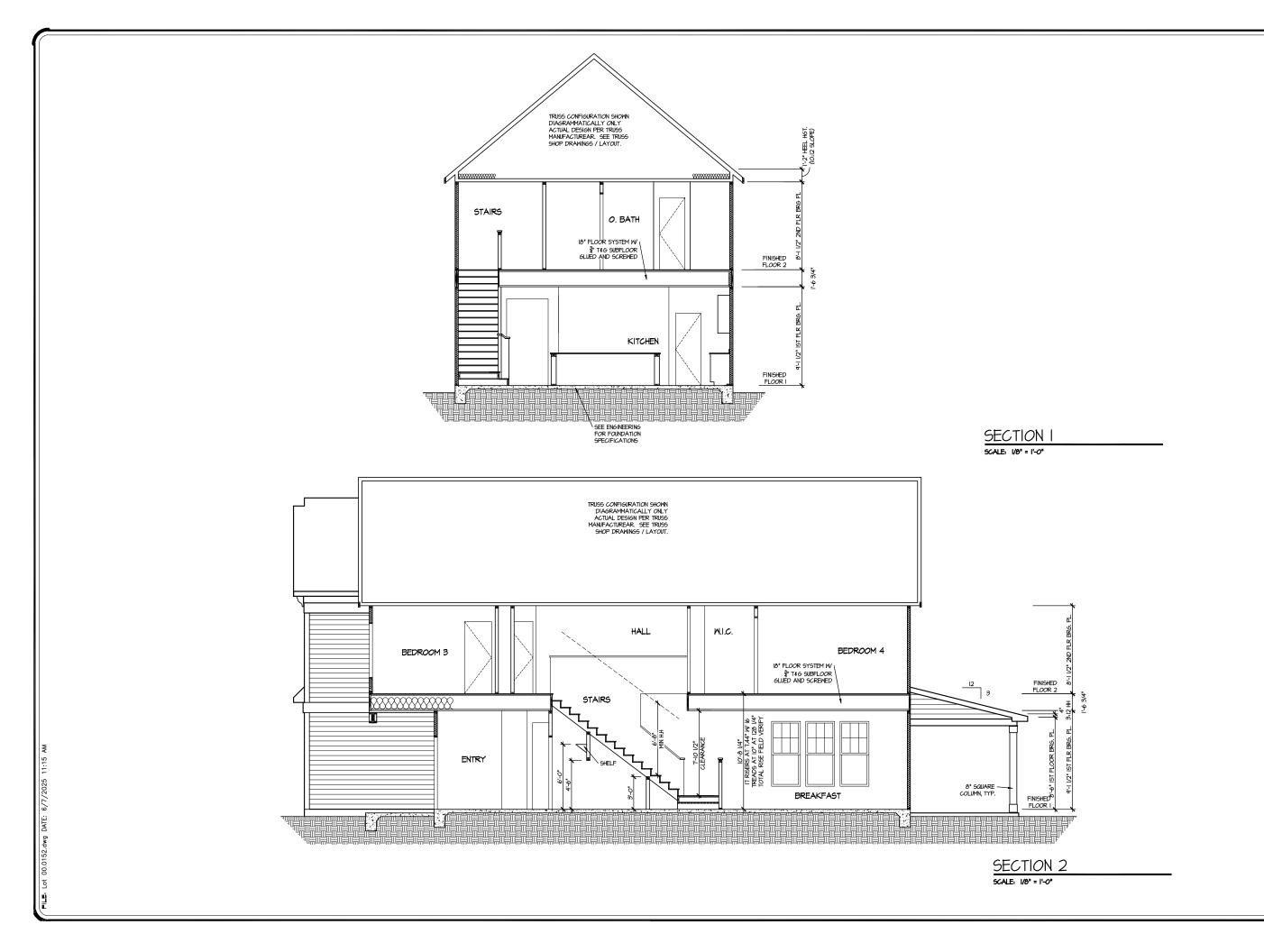
HOUSE NAME:
CALLAWAY
DRAWING TITLE
SECOND FLOO

SHEET No.

ELEVATION I SECOND FLOOR PLAN

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

A3.2



DRAWN BY: DATE: 06/07/2025

PLAN NO. 2244

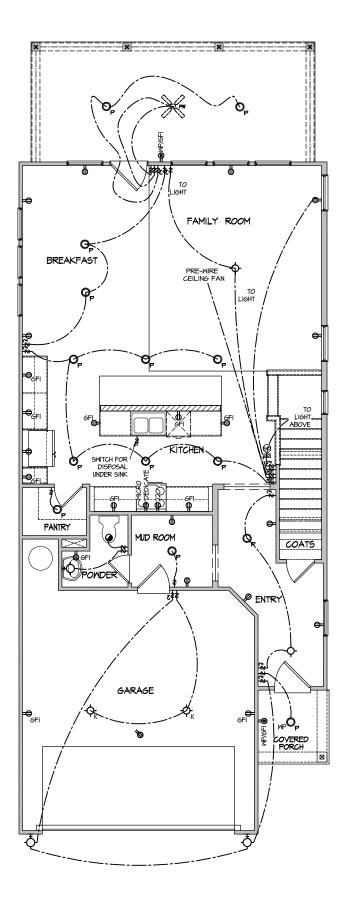


HOUSE NAME:
CALLAWAY
DRAWING TITLE
SECOND FLOO

SHEET No.

A4.

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.





DATE: 06/07/2025 PLAN NO. 2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
FIRST FLOOR

SHEET No.

ELECTRICAL PLAN FIRST FLOOR - ELEV. I

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

FOUR WAY SWITCH DUPLEX AFCI RECEPTACLE

DUPLEX AFCI RECEPTACLE - BOTTOM HALF SHITCHED DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED

GFI DUPLEX AFCI RECEPTACLE - GFI

WP/GFI DUPLEX AFCI RECEPTACLE - WATERPROOF GFI

SMOKE DETECTOR - WIRED IN SERIES

EXHAUST FAN MOTOR

CO DETECTOR

DOOR CHIME

HO- LIGHT FIXTURE - WALL MOUNTED

LIGHT FIXTURE - CEILING MOUNTED

LIGHT FIXTURE - RECESSED CAN

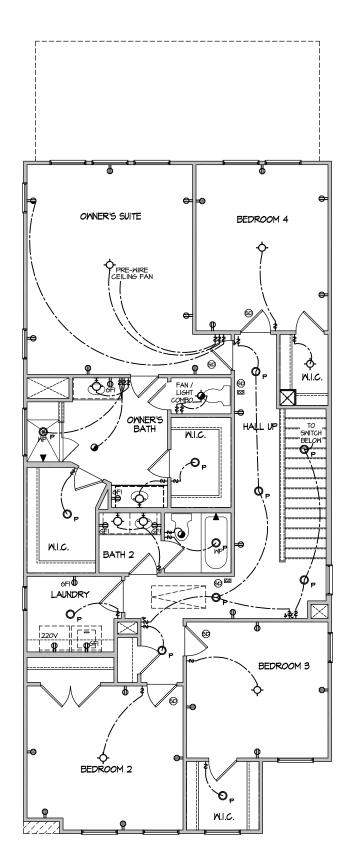
On LIGHT FIXTURE - LED PUCK LIGHT

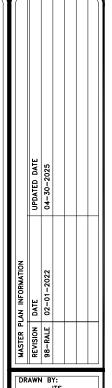
- PULLCHAIN LAMPHOLDER

♦ KEYLESS LAMPHOLDER

2'x4" STRIP LIGHT

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.





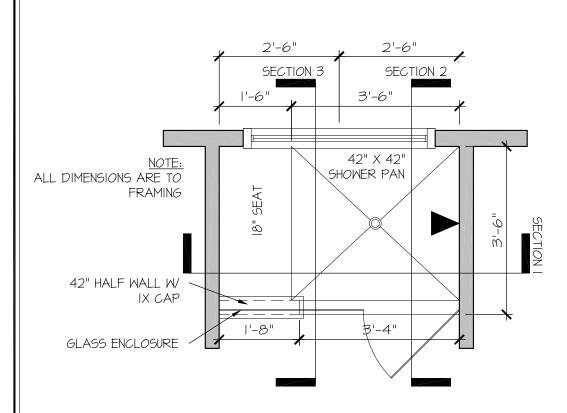
DRAWN BY: DATE: 06/07/2025 PLAN NO. 2244



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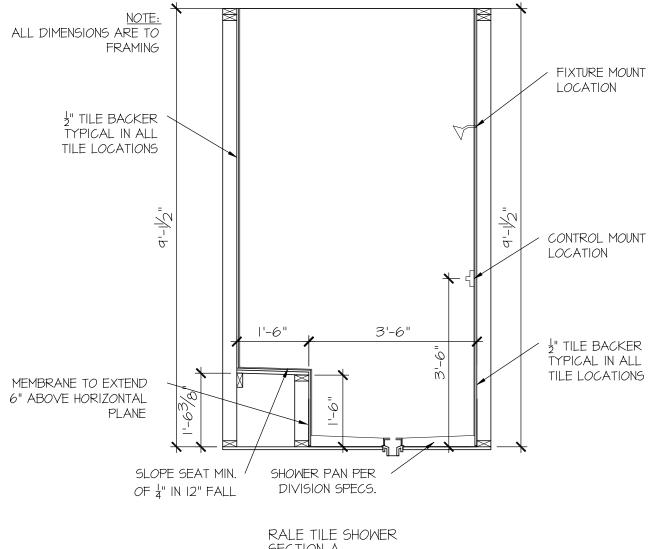
HOUSE NAME:
CALLAWAY
DRAWING TITLE
SECOND FLOO

SHEET No.



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.

24 X 36 SCALE

~ "

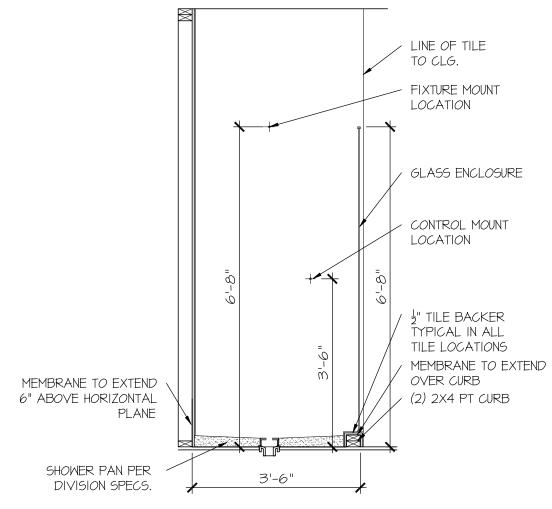


E ILE SHOWER DETAIL

OUSE NAME:

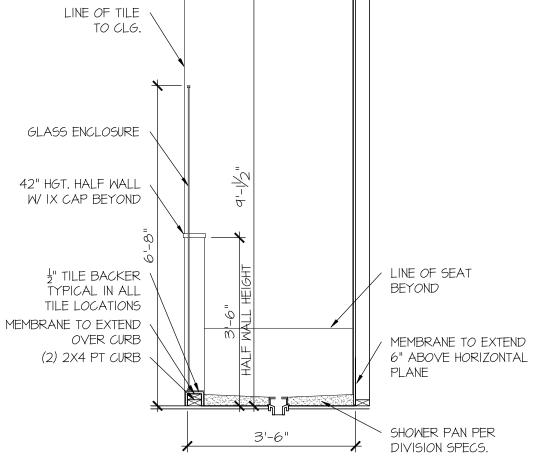
SHEET No.

P||.2



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





SCALE: 1/2" = 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 2x SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS
- PER PLATE 12" MAX FROM PLATE ENDS UTIL 17ING • 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 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
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
- . 9' OR IO' HEIGHT (AS NOTED ON PLANS)
- TALLER WALLS MUST BE ENGINEERED.
- NOMINAL WIDTH (9½" 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 BOMT. 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.I.5 RATIO CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SI ABS
- 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.I.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2x6 (MIN.) x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE FASTENED PER ANCHORAGE SPECIFICATIONS NOTED ABOVE, TOP 2 COURSES (MIN.) OF PIER TO BE GROUTED SOLID (8 COURSE MAX. PIER HEIGHT).
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS. FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE. TOP 2 COURSES (MIN.) OF WALL TO BE GROUTED SOLID (8 COURSE MAX. WALL HEIGHT)
- 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.

### GENERAL STRUCTURAL NOTES

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

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

LIVE = 40 PSE (30 PSE @ 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

- CONNECTIONS TABLE OR ON PLANS ALL NAILS SPECIFIED ARE MIN 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
- EXT & INT BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS 16" O.C. SPF OR SYP "STUD" GRADE LUMBER, OR BETTER, UN.O.
   WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRICE-PINE-FIR #2 (SPE) OR SOUTHERN PINE #2 (SYP) LIMBER, OR BETTER (KILN-DRIED), ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY. CODE TABLES HAVE NOT BEEN USED.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED. WITH 2x 'STUD' GRADE MEMBERS SPACED @ 16" O.C. (MAX., U.N.O.)
  - . HEADERS IN NON-LOAD BEARING WALLS SHALL BE (1)2x4/6 FLAT @ OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING: LSL' - Fb=2325 psi; Fv=310 psi; E=1.55x10^6 psi
- 'LVL' Fb=2600 psi; Fv=285 psi; E=2.0xl0^6 ps
- '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
- 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 SCREWS (OR 3½" TRUSSLOK SCREWS) @ 16" O/C, USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/2"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 SCREW 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.I3I"
- 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 & ABM44Z BASE, U.N.O.

### FLOOR FRAMING

- -JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED 1 /480 LIVE LOAD DEELECTION 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 3" x 0.131" NAILS @ 6"0.c. @ PANEL EDGES & @ 12"0.c. FIELD.
- 2 3" × 0 120" NAILS @ 4" OC @ PANEL EDGES & @ 8" OC FIELD
- 2 🖁 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 EACH 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 1 x 0.131 NAILS @ 6 0c. @ PANEL EDGES & @ 12 0.C. FIELD.
- w/ 2 🐉 x 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	
► HD-I	SIMPSON HTT4 HOLD-DOWN * (%" DIA. ANCHOR)	
► HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UN.O.) -OR- MSTC66B3 ALTERNATE	Г

\* UTILIZE THE SSTB24 ANCHOR BOLT & ALL MONOSI AB & INTERIOR RAISED SLAB (I.E. THICKENED SLABS, FOOTINGS) CONDITIONS. MINIMUM 24" MIN. FOOTING THICKNESS REQUIRED.

SIMPSON STHDI4/STHDI4RJ

EPOXY-SET ALTERNATE FOR MONOSLAB & INTERIOR RAISED SLAB CONDITIONS ONLY: UTILIZE SIMPSON 'SET' EPOXY SYSTEM TO FASTEN HREADED ROD INTO CONCRETE FOUNDATION, PROVIDE 10" (FOR 5/8" DIA.) OR 15" (FOR 1/8" DIA.) MIN. EMBEDMENT INTO CONCRETE. DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF CONCRETE.

### ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS ELOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS OTED OTHERWISE ON PLAN.

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN AD JACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING: ROOF TRUSSES:

- I/4" DEAD LOAD
- FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD
- FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAL LOAD. (NOT DIFFERENTIAL DEFLECTION)

### LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 0 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 R301.13 OF THE 2018 NCSBC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC. IF THE PARAMETERS OF SECTION R60212 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.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 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.
- PALT. 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 OTAPLES (1/6" CRONN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR ALL OR 2x HORIZONTAL BLOCKING SHALL BE ROVIDED TO SUPPORT ALL UNSUPPORTED PANEL DGES & EDGE FASTENING.

### 3" O.C. EDGE NAILING

• AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/ 8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC, ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

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

INDICATES HOLDOWN BELOW

### VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	Steel angle size
3'-0"	20 FT. MAX	L3"x3"x¼"
6'-0"	3 FT. MAX	L3"x3"x¼"
	I2 FT, MAX	L4"x3"x¼"
	20 FT. MAX	L5"x3½"x%;"
8'-0"	3 FT. MAX	L4"x4"x¼" *
	I2 FT, MAX	L5"x3½"x%;"
	I6 FT. MAX	L6"x31/2"x3%"
4'-6"	I2 FT, MAX	L6"x3½"x%"
16'-0"	2 FT. MAX	L7"x4"x½" **
	3 FT. MAX	L8"x4"x/5" **

L LINILLSH 16' SHALL HAVE 4' MIN BEARING 16' SHALL HAVE 5' MIN BEARING 16' SHALL HAVE 5' MIN BEARING 16' SHALL NOT BE FASTINED BACK TO HEADER. 16' SHALL BE FASTINED BACK TO MODD HEADER IN WALL **04**0'06.

w/ ½" DIA, x 3 ½" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.

IAX, VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE

OPENING.

\*\*ALL LINELS SHALL BE LONG LEG VERTICAL.\*\*
\*\*ALEN SUPPORTING VENEER (3" MIDE THE EXTERIOR TOE OF THE
\*\*HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ¼" MIDE OVER
\*\*THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT
\*\*\*THE STATE OF THE STATE OF TH

FINISHING. BE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT NCOMPASSED BY THE ABOVE PARAMETERS, FOR ANY LINTEL ASTENED BACK TO BEAM, FASTINERS SHALL MAINTAIN A 25' MINIMAN CLEAR DISTANCE FROM BOTTOM OF BEAM.

(MINIMMY CLEAR DISTANCE FROM BOTTOM OF BEAM. FOR QUEEN VENEER USE L4x3が(\*). FOR 3½\* VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½\* THICK.

### 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)2x6	(3)2x6
UP TO 12'-0"	(2)2x8	(3)2x8

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

### ALTERNATE F.J MANUFACTURERS

FLOOR LOISTS BY MANUFACTURER'S OTHER THAN THOSE SHOWN ON PLAN SHALL CONFORM TO THE APA PERFORMANCE RELATED I- IDISTS DESIGN AND CONSTRUCTION GUIDE MINIMUM IDIST PROPERTIES INCLUDING, BUT NOT LIMITED TO, ALLOWABLE SHEAR, ALLOWABLE MOMENT, STRENGTH, AND STIFFNESS, SHALL MEET OR EXCEED THOSE LISTED FOR THE PRI-60 SERIES I-JOISTS. ALL ALLOWABLE HOLES, BEARING STIFFENERS, AND JOIST TO JOIST CONNECTIONS ARE PER THE JOIST MANUFACTURER.

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

H CAR OFESSIO WEPH T. R

ERNT

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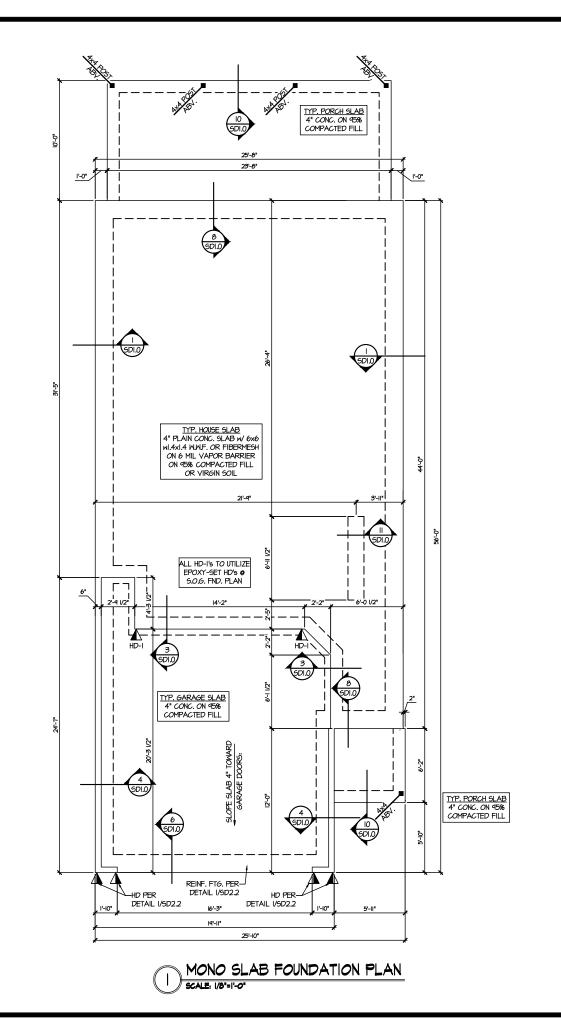
rawn by: sue date: 06-12-25

initial:

126-2207

REVISIONS

RE  $\overline{\mathbb{U}}$ Ò  $\sim$ EIL Z AWA A CAL FARM Lot 152 - ( Raleigh,



6/19/25 "H CAR

MUCHERN+KULP



M&K project number: 126-2207

drawn by: issue date: 06-12-25

**OUNDATION PLANS** 

FARM AT NEIL'S CREEK Lot 152 - Callaway 1 Raleigh, nc

**S1.0** 

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

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

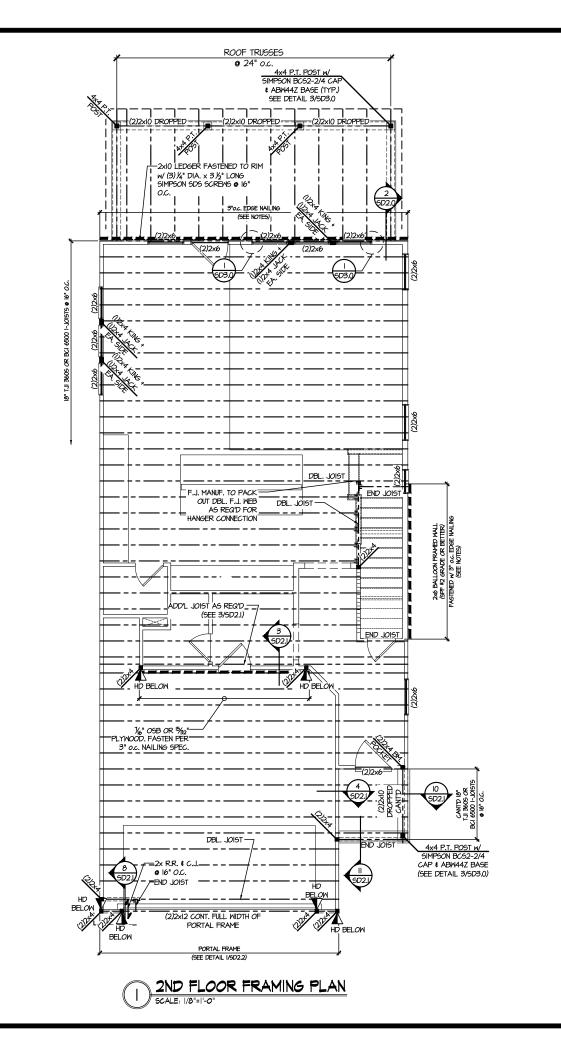
LEGEND

• = = INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING

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

JL METAL HANGER

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



6/19/25 H CAR

MULHERN+KUI
RESIDENTIAL STRUCTURAL ENSINEE



M&K project number 126-2207

drawn by: issue date: 06-12-25

### ALTERNATE F.J MANUFACTURERS

 FLOOR JOISTS BY MANUFACTURER'S OTHER THAN THOSE SHOWN ON PLAN SHALL CONFORM TO THE APA PERFORMANCE RELATED I-JOISTS DESIGN AND CONSTRUCTION GUIDE. MINIMUM JOIST PROPERTIES INCLUDING, BUT NOT LIMITED TO, ALLOWABLE SHEAR, ALLOWABLE MOMENT, STRENGTH, AND STIFFNESS, SHALL MEET OR EXCEED THOSE LISTED FOR THE PRI-60 SERIES I-JOISTS. ALL ALLOWABLE HOLES, BEARING STIFFENERS, AND JOIST TO JOIST CONNECTIONS ARE PER THE JOIST MANUFACTURER.

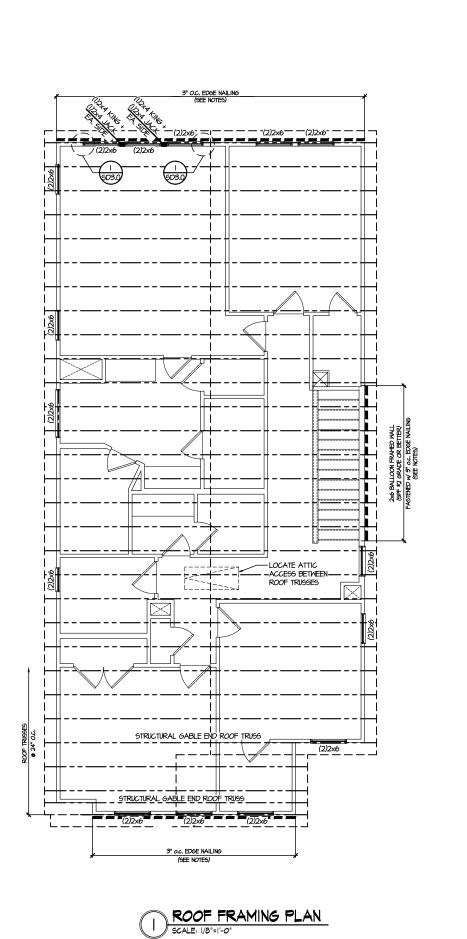
> SD2.I REFERS TO SD2.IA FOR LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC FOR STEEL BEAMS

### LEGEND

- INTERIOR BEARING WALL
- □□□□□ BEARING WALL ABOVE
- BEAM / HEADER
- = = INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- \* 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

CREEK AT NEIL'S (CALLAWAY 1), NC OR FARM LOT 152 - C RALEIGH, 1



6/19/25 H CAR

MUCHERN+KULP

RESIDENTIAL STRUCTURAL ENGINEERING

Y

M&K project number: 126-2207

drawn by: issue date: 06-12-25

initial:

FARM AT NEIL'S CREEK Lot 152 - Callaway 1 Raleigh, nc

### LEGEND

- INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- ---- BEAM / HEADER
- ullet = ullet Indicates shear wall & extent
- EXTENT OF OVERFRAMING

JL METAL HANGER

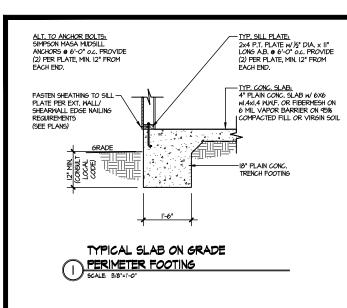
\* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

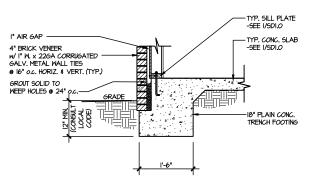
INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

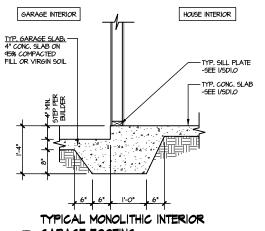
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ROOF FRAMING P

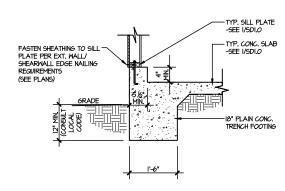




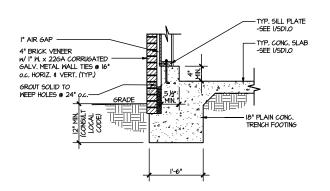




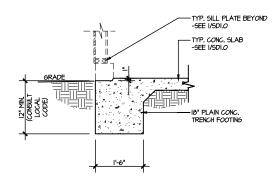




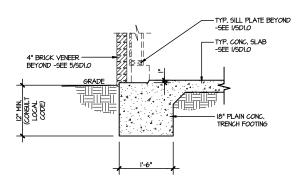




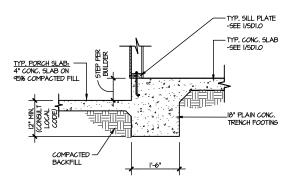




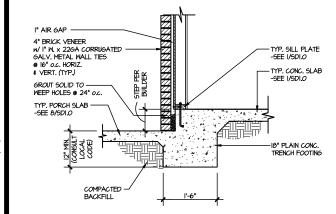
TYPICAL SLAB ON GRADE GARAGE 6 ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1"-0"



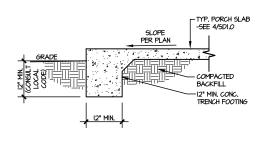
TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING



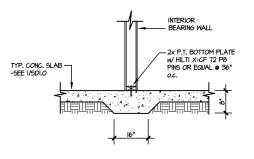
TYPICAL SLAB ON GRADE PERIMETER 8 FOOTING @ PORCH/PATIO SCALE: 3/8"=1'-0"



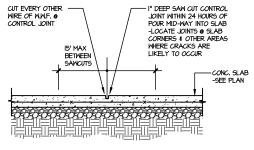
TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO



TYPICAL FOOTING @ PORCH SLAB



TYPICAL THICKENED SLAB @ NITERIOR BEARING WALL



TYPICAL CONTROL JOINT SCALE: 9/8"=1"-0" LOCATE @ 15'-O" o.c. MAX, OR CORNERS WHERE CRACKS LIKELY TO DEVELOP

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

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

NEIL! N O FARM Lot 152 - Raleigh,

CREEK

6/19/2

ERNATKUI STRUCTURAL ENGINEEL

M&K project number: 126-2207

ssue date: 06-12-25

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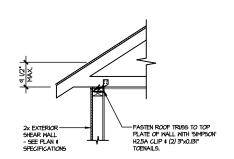
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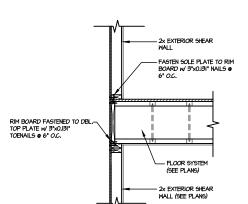
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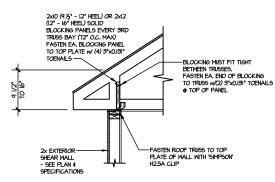


### TYPICAL SHEAR

TRANSFER DETAIL @ ROOF Al SCALE: 3/8'=1'-0' HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQ'D



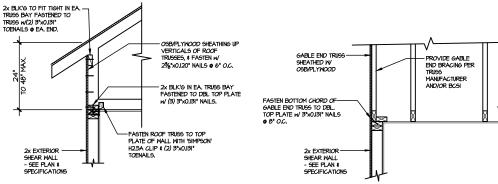
### TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL SCALE: 3/0'=1'-0'

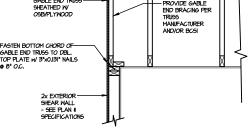


### TYPICAL SHEAR

TRANSFER DETAIL @ ROOF
SCALE: 3/0'=1'-0' HEEL HEIGHT BETWEEN 4.1 HEEL HEIGHT BETWEEN 9 ½" - 16" BLOCKING REQ'D







TYPICAL GABLE END DETAIL



6/19/2

H CAR

SEPH T. R

M&K project number: 126-2207

drawn by: GTŁ issue date: 06-12-25

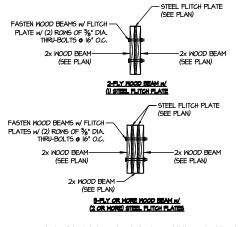
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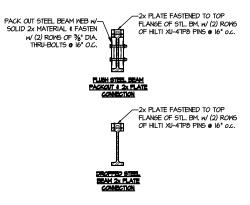
CREE DETAILS AT NEIL'S (CALLAWAY 1), NC Ŋ FARM Lot 152 - 0 Raleigh,

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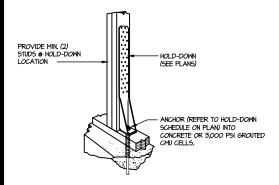


TYPICAL FLITCH BEAM CONNECTION DETAIL

SCALE S44-1-6"



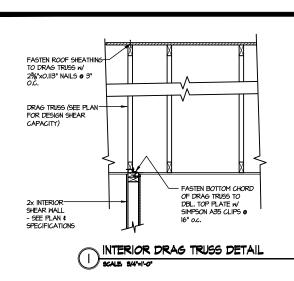
TYPICAL STEEL BEAM CONNECTION DETAIL SCALE 9/4"-1"-0"

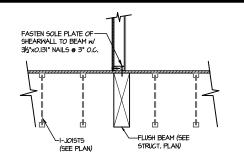


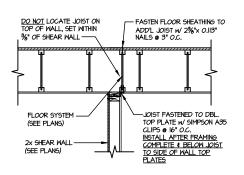
TYPICAL HOLD DOWN INSTALLATION SCALE: N.T.S.

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

**SD2.0** 



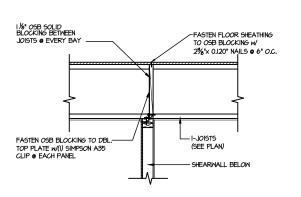






SHEAR TRANSFER DETAIL @ 2 INTERIOR SHEARWALL ABOVE

SHEAR TRANSFER DETAIL @ (3) INTERIOR SHEARWALL BELOW

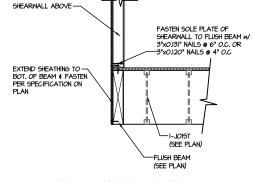


SHEAR TRANSFER DETAIL

@ INTERIOR SHEAR WALL

-FASTEN SOLE PLATE OF SHEARWALL THRU FLOOR SHEATHING TO RIM 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/Rim w/ 23%"x 0.113" Nails @ 6" o.c. -1 %" OSB SOLID BLOCKING BETWEEN JOISTS @ EVERY BAY TO 2x4 RIM w/ 23/6"x O.113" NAILS 9 6" O.C. CANT'D FLOOR FASTEN OSB BLOCKING TO DBL. TOP PLATE w/ (I) SIMPSON A35 CLIP @ EACH PANEL (SEE PLAN)

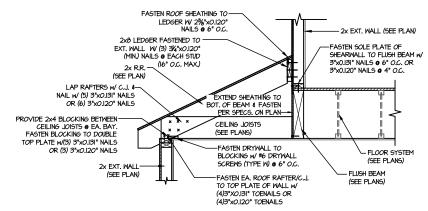
FASTEN SOLE PLATE OF SHEARWALL TO 2x RIM OR END JOIST W 3"X0,131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C. I-JOIST (SEE PLAN) EXTEND SHEATHING TO — BOT. OF BEAM & FASTEN PER SPECIFICATION ON FND - KIST - DROPPED BEAM



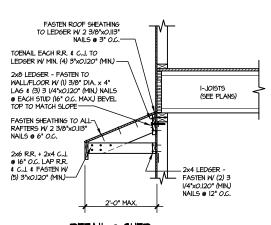
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL

SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

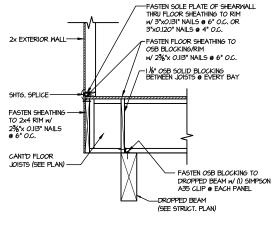
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



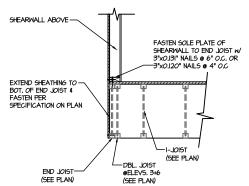
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ SHED ROOF



DETAIL @ SHED ROOF OVER GARAGE DOOR



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



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

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6/19/2

ERN+KUI

M&K project number:

rawn by:

REVISIONS

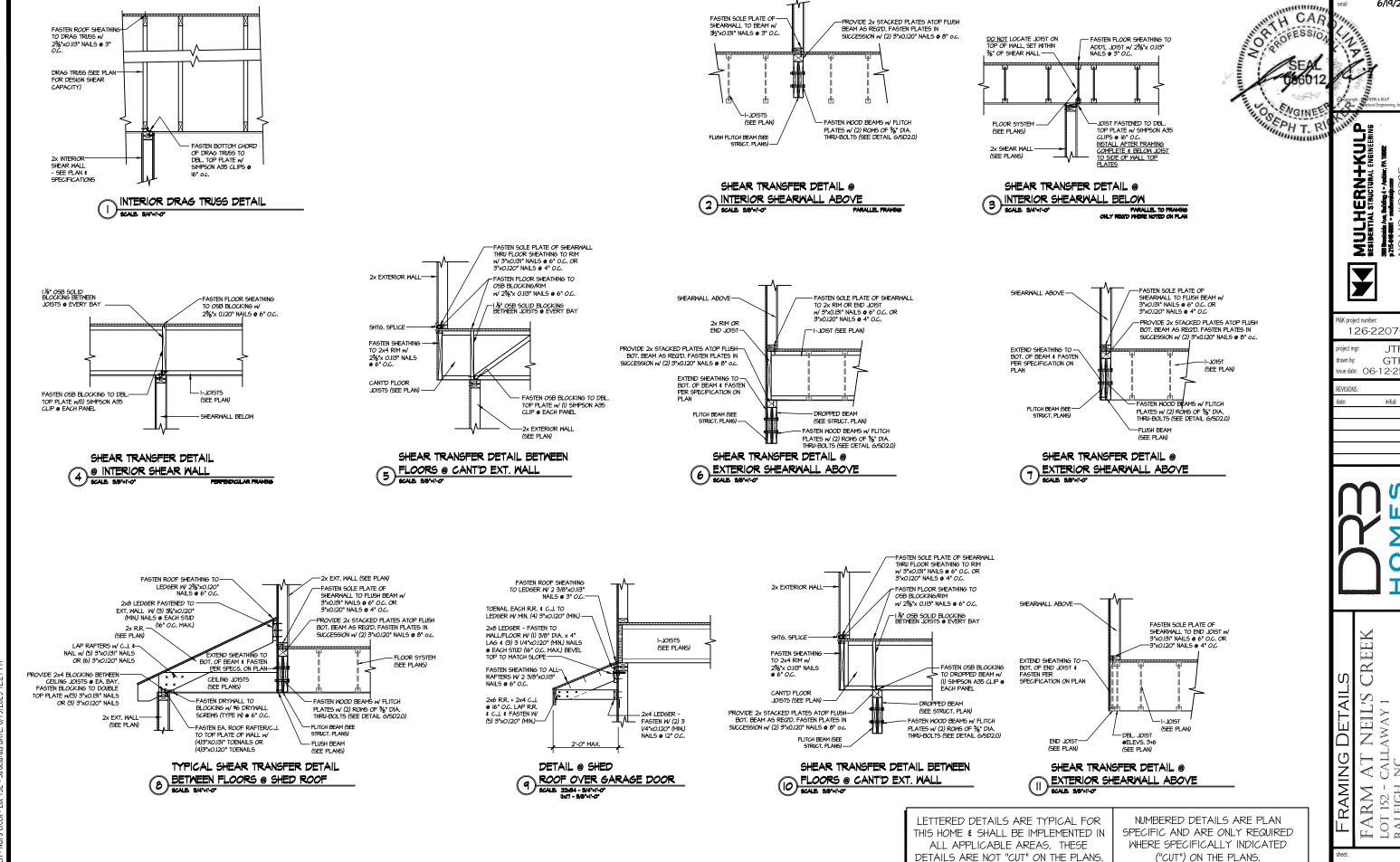
126-2207

ssue date: 06-12-25

initial:

 $\overline{\cup}$ ~ \_ NEIL! CALLA FARM Lot 152 - ( Raleigh,

SD2.1A



("CUT") ON THE PLANS.

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6/19/2

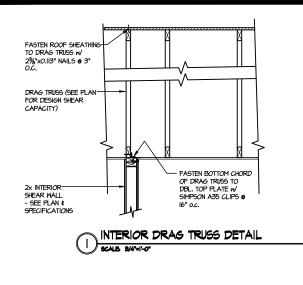
ERN+KUI

126-2207

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FARM Lot 152 - ( raleigh,

SD2.1B

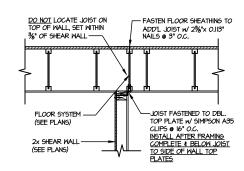


NOT USED

SHEAR TRANSFER DETAIL @

(2) INTERIOR SHEARWALL ABOVE

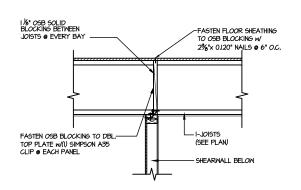
SALE BOYLO' PARALL TRANSC



SHEAR TRANSFER DETAIL @

INTERIOR SHEARWALL BELOW
SCALE, SALE-SILVEN

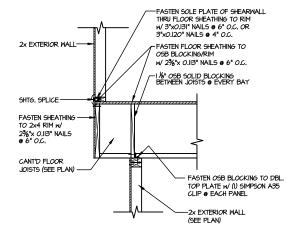
PARALLEL TO FRAMING ONLY REQTO WHERE NOTED ON FLAN



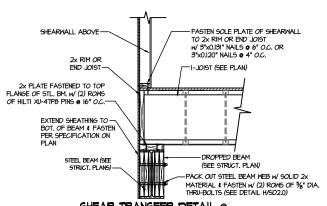
SHEAR TRANSFER DETAIL

(a) INTERIOR SHEAR WALL

(cale 500-1-0" Ferendicilar framis



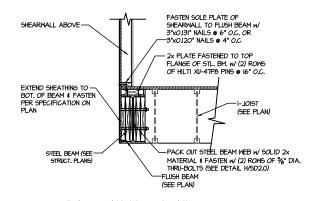
SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL
SCALE 305-11-0



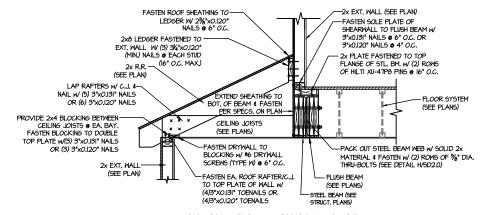
SHEAR TRANSFER DETAIL @

EXTERIOR SHEARWALL ABOVE

SCALE 500-11-00



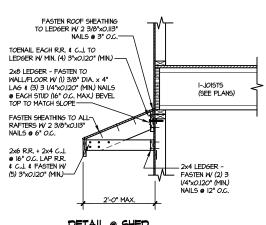
SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE 569-1-0"



TYPICAL SHEAR TRANSFER DETAIL

BETWEEN FLOORS @ SHED ROOF

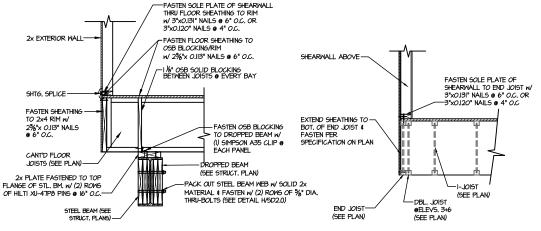
SCALE 9/4"-1"-0"



DETAIL @ SHED

ROOF OVER GARAGE DOOR

SCALE 2264 - \$44\*\*10"



SHEAR TRANSFER DETAIL BETWEEN

FLOORS @ CANT'D EXT. WALL

SCALE SMOVING

SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE SIGNIFOR

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Ell E: RI H. Mail's Grack | 14 15.2 | Structurals DATE: 6/19/2025 12:22 PM

FRAMING DETAIL FARM AT NEIL'S LOT 152 - CALLAWAY 1 RALEIGH, NC

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6/19/2

ERN+KUI

M&K project number

FVISIONS

126-2207

sue date: 06-12-25

initial:

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SEPH T. R

SD2.1C

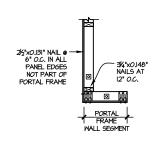
SHEATHING FILLER AS REQ'D-— SIMPSON STRAP SPEC BASED ON PONY WALL HEIGHT - MSTA44 STRAP W 24 ½\* END LENGTH FOR 2-0° MAX HT. or MSTC66 STRAP W 38° END LENGTH FOR 5-0° MAX HT. - STRAP CENTERED • BOTTOM OF HEADER. - LOCATE ON INSIDE FACE OF WALL. —3"xII¼" MIN. HEADER. SEE PLAN. - HEADER TO BE LOCATED AT TOP OF OPENING 31/4"x0.148" — NAILS IN (2) ROWS @ 3"O.C MIN. (2) 2x4-—FASTEN SHEATHING TO HEADER WITH 35'50.131"

NAILS IN 3" GRID PATTERN AG SHOWN AND 3" C.C.,
IN ALL FRAMING (STUDS & SILLS) - TYPICAL. (3" CC.

NAILING CATT, YEEDTO WHERE INDICATED BY X'S - USE
STND. SHTG. NAILING ELSENHERE) IF PANEL SPLICE IS NEEDED IT SHALL OCCUR WITHIN 24" OF MID-HEIGHT, BLOCKING IS REQUIRED. IF 2x BLOCKING IS USED IT MUST BE STITICH NAILED WITH ONE ROW OF 3½" X0.140" AT 3" O.C. 6'-0" < FINISHED WIDTH < 18'-0" - 1/6" OSB OR ½" PLYWOOD SHEATHING, CONTINUOUS FROM TOP TO BOTTOM OF WALL, OR FROM TOP OF WALL TO PERMITTED SPLICE AREA. MIN. PANEL WIDTH BASED ON IRC TABLE R602J05 FOR EXAMPLE: I6" MIN. FOR I0" MAX HEIGHT & SUPPORTING ROOF ONLY, 24" MIN FOR I0" MAX HEIGHT & SUPPORTING ONE STORY + ROOF - SIMPSON STHDI4 HOLDOWN STRAP (EMBEDDED INTO CONCRETE AND NAILED INTO FRAMING) OR SIMPSON HTT4 HOLDOWN, INSTALLED PER MANUFACTURER SPECIFICATIONS. MIN. 3"X3"X ¼" PLATE WASHER -ONE 3/" DIA. ANCHOR BOLT WITH 7" MIN. EMBEDMENT INTO CONC. OR GROUTED CMU **OUTSIDE ELEVATION** SECTION A-A THROUGH PIER ONE #4 BAR TOP AND BOTTOM OF FOOTING, LAP BARS 15" MIN. PONY WALL MAX, HT.: =1'-0" w/ SIMPSON MSTA49 =2'-6" w/ SIMPSON MSTC66/ EXTENT OF HEADER

EXTENT OF HEADER

PONY WALL MAX. HT.: \_\_\_\_ =1'-0" w/ SIMPSON MSTA49 =2'-6" w/ SIMPSON MSTC66 /



PLAN VIEW OF CORNER DETAIL

GARAGE PORTAL FRAME BRACING ELEVATION WITH HOLD-DOWNS

6'-0" < FINISHED WIDTH < 18'-0"

- 5%" DIA, ANCHOR BOLT WITH T" MIN, EMBEDMENT INTO CONC. OR GROUTED CMJ AND 3"X3"X ¼" PLATE WASHER, TYP.

`\_3"xI|¼" MIN. HEADER. SEE PLAN. - HEADER TO BE LOCATED AT TOP OF OPENING

-FASTEN TOP PLATE TO HEADER WITH TWO ROWS OF 3¼"x0.148" NAILS @ 3" O.C.

SIMPSON STRAP SPEC BASED ON PONY —

SIMPSON SIKEN PSEC BASED ON PONT MALL HEIGHT STACK BY A 1/2" HID LENGTH FOR 2-0" MAX HI, W 33" END LENGTH FOR 2-0" MAX HI, W 33" END LENGTH FOR 2-0" MAX HI, W 33" END LENGTH FOR 2-0" MAX HI, W 35" END LENGTH LENGTH CHI

—DBL. JACK STUD (MIN.) —BLOCKING AS REQ'D

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.

SEAL 066012

6/19/25

M&K project number: 126-22076

project mgr: JTF drawn by: GTK issue date: O6-12-25

REVISIONS:

date: initial:

OMES

S CREEK

FARM AT NEIL'S
LOT 152 - CALLAWAY 1
RALEIGH, NC

SD2.2

M&K project number:

126-2207

frawn by: issue date: 06-12-25

REVISIONS:

initial:

CREE

AT NEIL'S (CALLAWAY 1), NC FARM A LOT 152 - C RALEIGH, 1

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

— STRAP SHALL BE FASTENED DIRECTLY TO HEADER OR TO FLAT 2x HEADER FULL DEPTH OF WALL @ BOTTOM OF STRUCTURAL HEADER - SHEAR WALL WITH EDGE NAILING & BLOCKING PER PLAN. - SIMPSON CSI4 STRAP CENTERED AT CORNER OF OPENING W/ (36) 2½"x 0.131" NAILS (38" MIN LENGTH) - 2x4 HORIZONTAL BLOCKING FULL DEPTH OF WALL (MAY BE INSTALLED FLAT IF STRAP IS ON EXTERIOR FACE OF WALL)

- INSTALL 2 BAYS IF FIRST
STUD IS LESS THAN 19" FROM
EDGE OF WINDOW OPENING.

STRAP SHALL BE FASTENED DIRECTLY TO HEADER OR TO FLAT 2x HEADER FULL DEPTH OF WALL @ BOTTOM OF STRUCTURAL HEADER

- SHEAR WALL WITH EDGE NAILING & BLOCKING PER PLAN.

SIMPSON CSI4 STRAP CENTERED AT

CORNER OF OPENING w/ (36)  $2\frac{1}{2}$ "x 0.131" NAILS (38" MIN LENGTH)

-2x4 HORIZONTAL BLOCKING FULL DEPTH OF WALL (MAY BE INSTALLED FLAT IF

STRAP IS ON EXTERIOR FACE OF WALL)
- INSTALL 2 BAYS IF FIRST STUD IS LESS
THAN IA" FROM EDGE OF WINDOW OPENING.

SIMPSON CSI4 STRAP CENTERED AT

CORNER OF OPENING W/ (36) 2½"x 0.131" NAILS (38" MIN LENGTH)

-2x4 HORIZONTAL BLOCKING FULL DEPTH

OF WALL (MAY BE INSTALLED FLAT IF STRAP IS ON EXTERIOR FACE OF WALL)
- INSTALL 2 BAYS IF FIRST STUD IS LESS
THAN IA" FROM EDGE OF WINDOW OPENING.

19" (MIN.)

STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL
 WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE

TYPICAL EXT. WALL & INT.

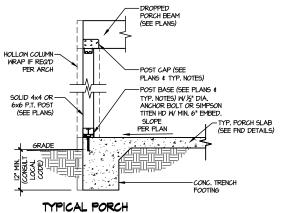
INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR WINDOW NAILING REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

SHEARWALL OPENING ELEVATION SCALE NTS

WINDOW OPENING

- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL
   WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. \$ MAY BE MOVED ILY FROM EDGE TO ALLOW FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION



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

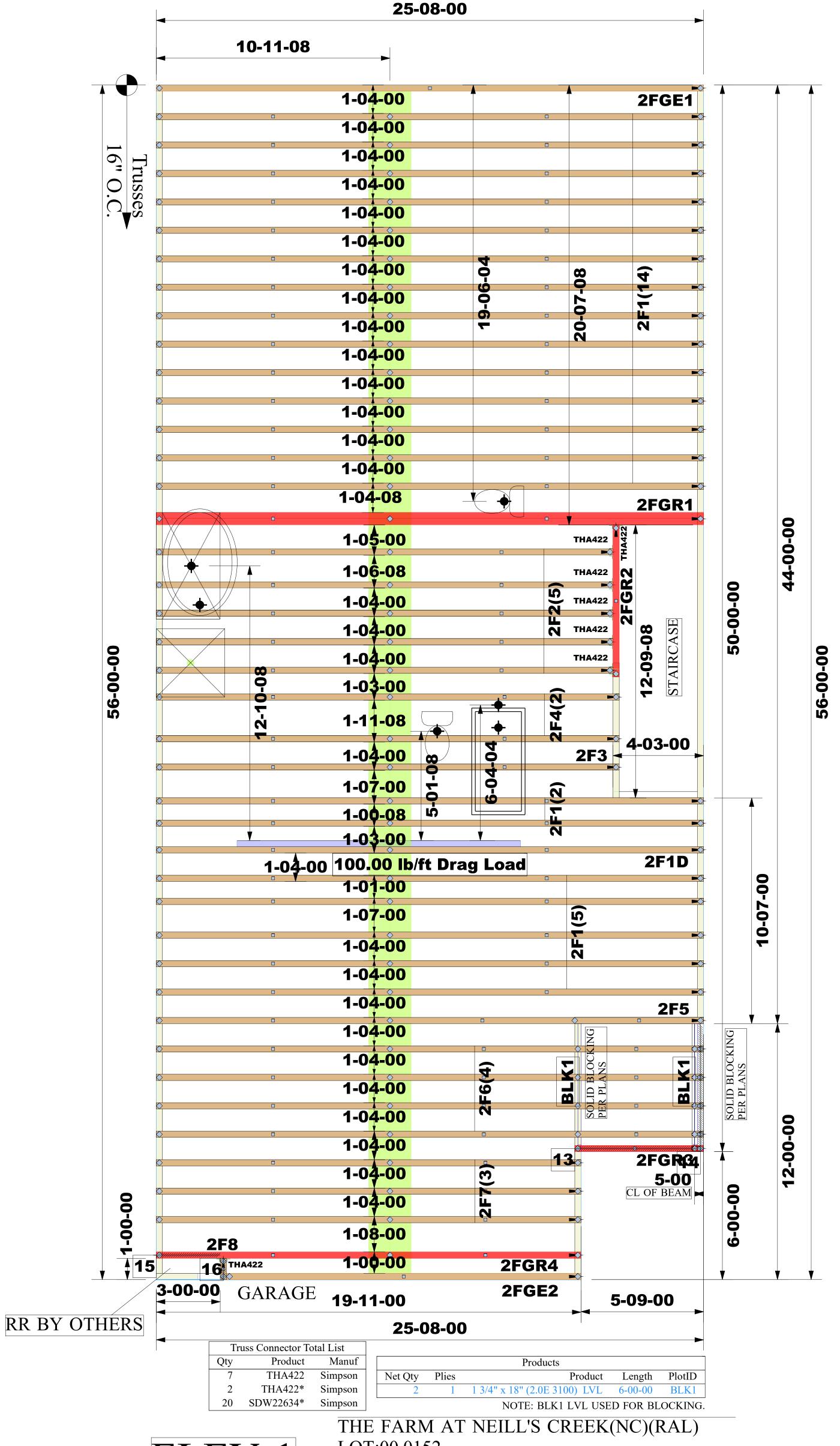
> LETTERED DETAILS ARE TYPICAL FOR ALL APPLICABLE AREAS. THESE

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

2 PLY FLOOR TRUSS CONNECTION DETAIL JANUARY 16, 2018 MiTek Pro Series WSWH6, WSWH638, WSWH634

**OPEN WEB FLOOR TRUSS LAYOUT** SCALE: NTS

# MUTLI-PLY TRUSS PLY TO PLY CONNECTION 2F1GR- 5 SDW22632 SCREWS IN TOP CHORD @ 4" OC @ SUPPORTED TRUSS & ADDITIONAL SCREWS @ 2' OC ALONG THE REST OF THE TOP CHORD



ELEV 1 2ND FLOOR FRAMING LOT:00.0152 CALLAWAY REV.98 ELEV. 1 **GARAGE LEFT** 

TILE SHOWER

Job #: **WARNING: NOTE:** CONVENTIONAL FRAMING, ERECTION AND/OR IT IS THE RESPONSIBILITY OF THE BUILDING 2506-0430 PERMANENT BRACING IS NOT THE RESPONSIBILITY OF DESIGNER OR ARCHITECT TO PROVIDE AN THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN TRUSS MANUFACTURER. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS ADVICE REGARDING THE ERECTION BRACING WHICH IS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING **ALWAYS REQUIRED TO PREVENT TOPPLING AND** (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST DOMINOING DURING ERECTION; AND PERMANENT BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS BRACING WHICH MAY BE REQUIRED IN SPECIFIC LAYOUT PRIOR TO FABRICATION. APPLICATIONS. SEE "BRACING WOOD TRUSSES Designer: THIS COMPANY IS A TRUSS MANUFACTURER WHOSE COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WTCA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND Rajkumar yadav Sales Rep: PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS

SHALL BE BRACED AS SPCIFIED ON THE ENGINEERED

REASONABLE CARE DURING ERECTION TO PREVENT

DESIGN. TRUSSES SHALL BE HANDLED WITH

DAMAGE OR PERSONAL INJURY.

**Robbie Zarobinski** 

INCLUDING THE INSTALLATION, AND BRACING OF

TRUSSES MANUFACTURED BY THIS COMPANY.

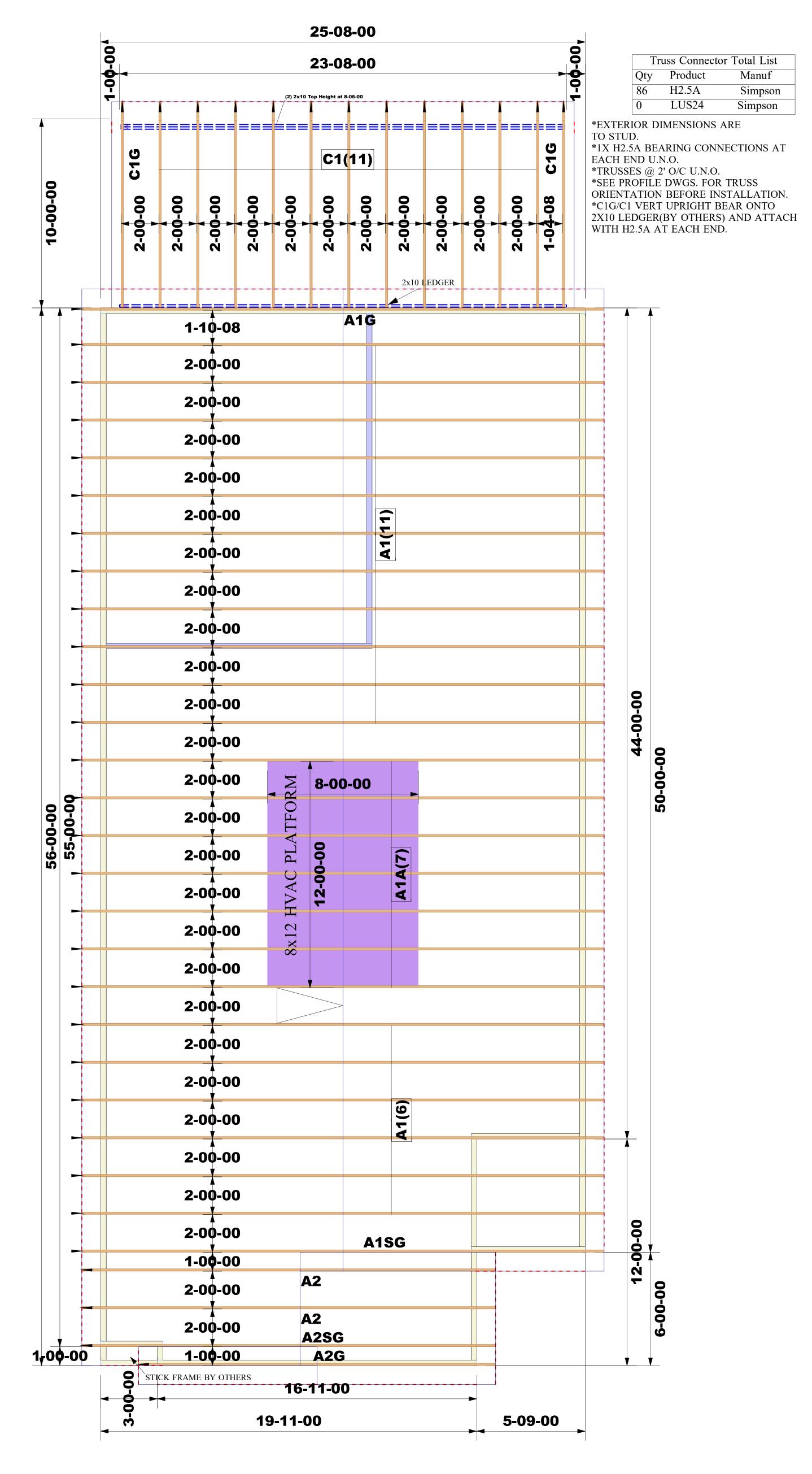
Customer: DRB Raleigh

Job Name: The Farm at Neills Creek Lot <u>00.0152 OWF</u>

<u>ot #:</u> 00.0152

Model Name: CALLAWAY





THE FARM AT NEILL'S CREEK(NC)(RAL)
LOT:00.0152
CALLAWAY REV.98
ELEV. 1
COVERED/SCREEN PORCH
GARAGE LEFT

