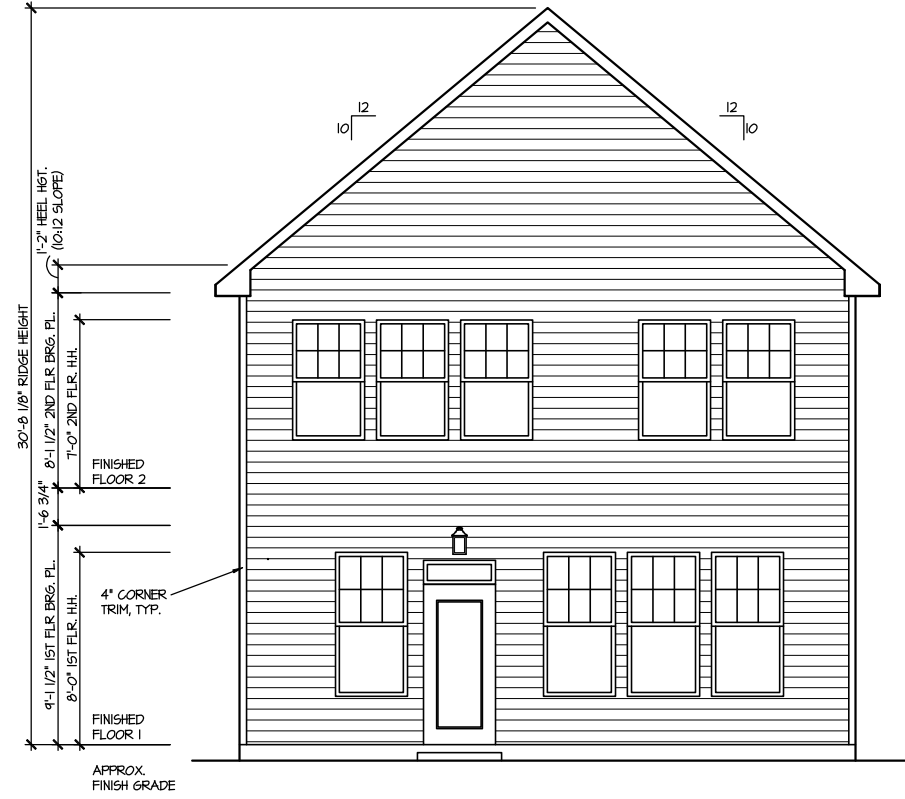


FRONT ELEVATION I

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



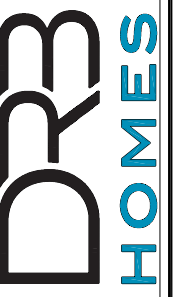
REAR ELEVATION I

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

FILE: Lot_00.0196.dwg DATE: 6/27/2024 5:42 PM

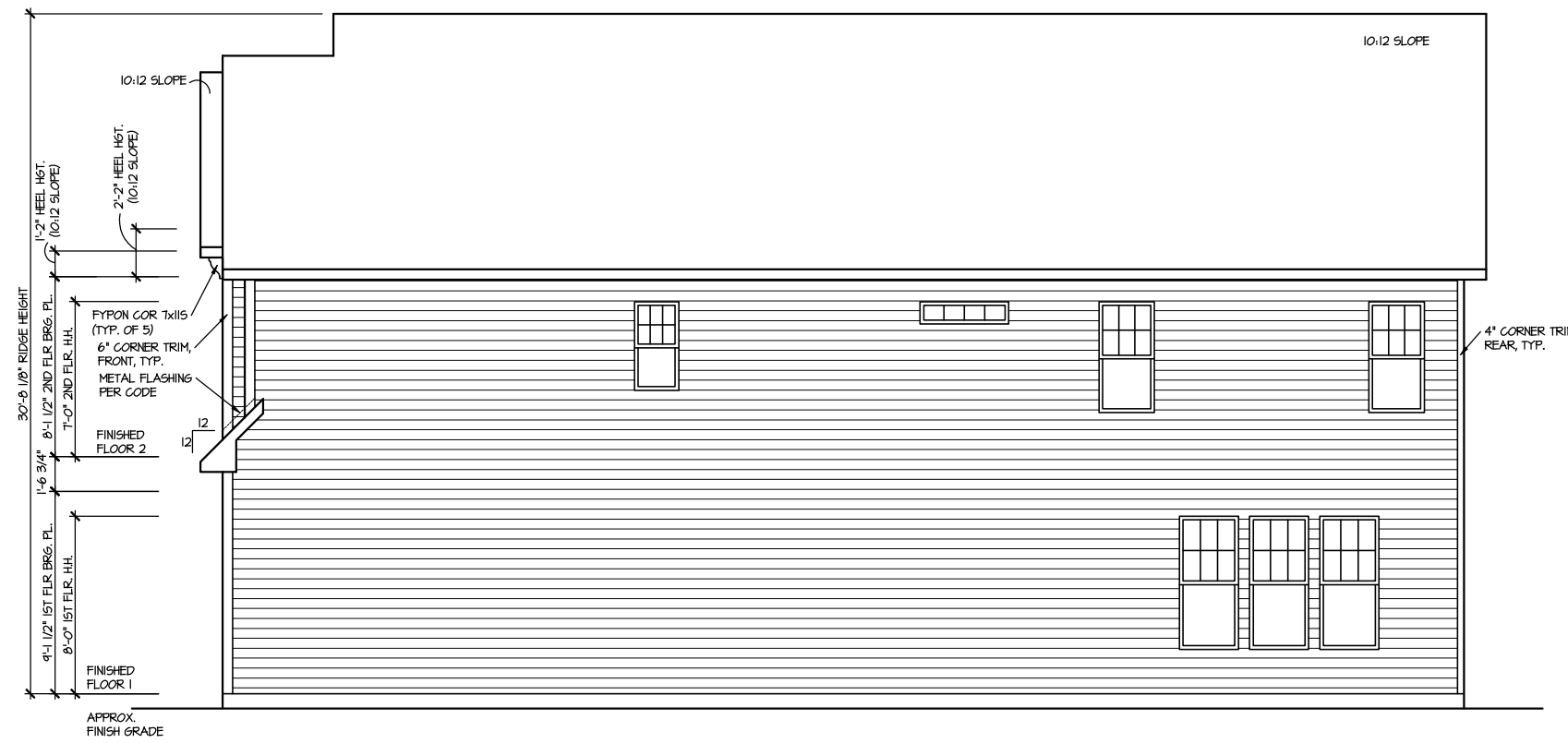
MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
UPDATED DATE	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
FRONT & REAR ELEVATIONS

SHEET No.
A.1



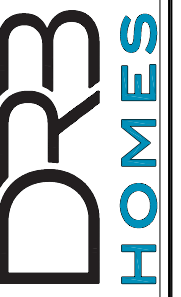
RIGHT ELEVATION I
SCALE: 1/8" = 1'-0"



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

MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
UPDATED DATE	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244

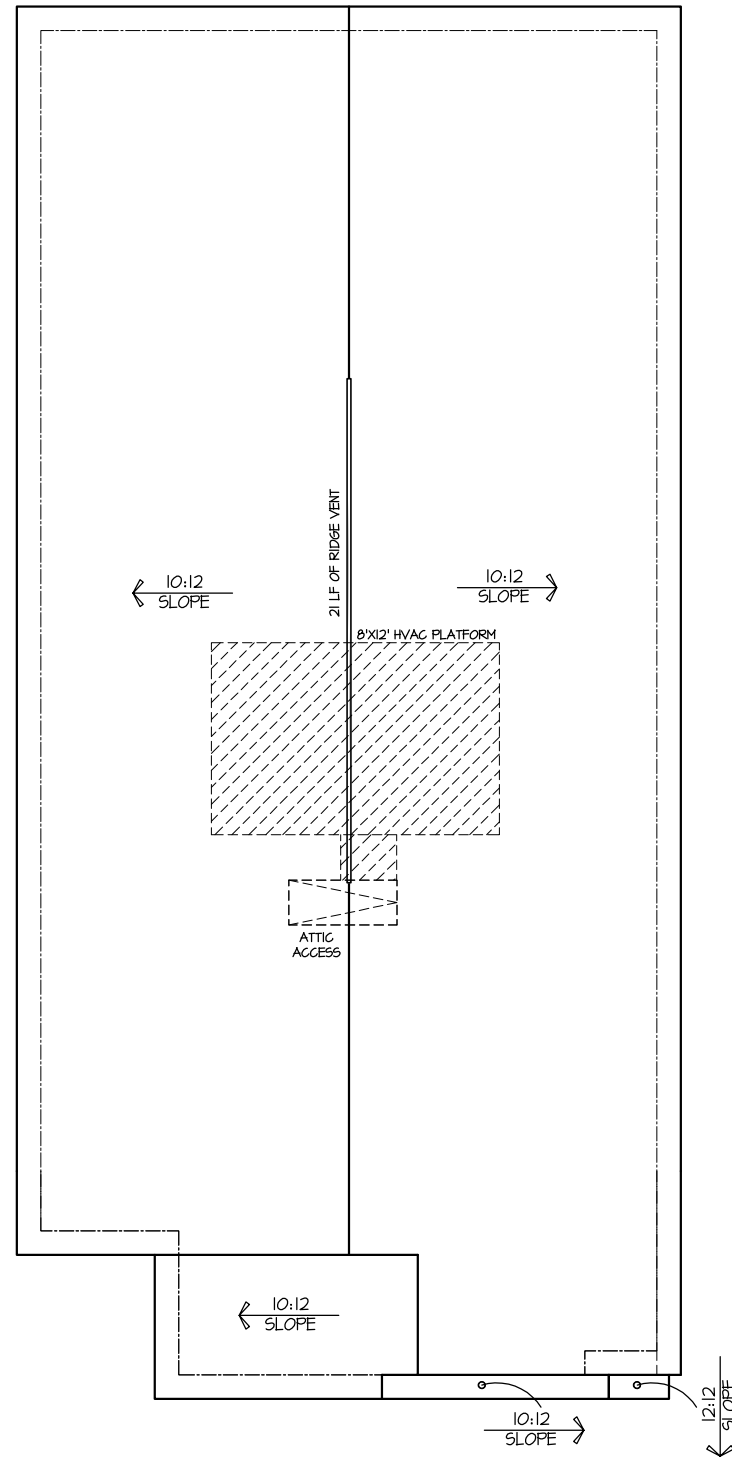


HOUSE NAME:
CALLAWAY
DRAWING TITLE
RIGHT & LEFT ELEVATIONS

SHEET No.
A.2

ROOF VENTILATION CALCULATIONS:

ROOF AREA = 1510 SQ. FT.
OVERALL REQUIRED VENTILATION:
 1 TO 150 = 10.41 SQ. FT.
 1 TO 300 = 5.23 SQ. FT.
 50% IN TOP THIRD = 2.62 SQ. FT. (1 TO 300) NET
 FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.
 NET FREE AREA OF RIDGE VENT = 18 SQ. IN / LINEAR FT.
LOWER VENTING: (BOTTOM 2/3 RDS)
 16 LINEAR FEET OF SOFFIT X 5.1 SQ. IN. = 4.59 SQ. FT.
 0 POD VENT X 61 SQ. IN. = 0 SQ. FT.
 5.58 SQ. FT. IN BOTTOM TWO THIRDS
 (1 TO 300 ALLOWED)
UPPER VENTING: (TOP 1/3 RD)
 21 LINEAR FEET OF RIDGE X 18 SQ. IN. = 2.63 SQ. FT.
 0 POD VENT X 61 SQ. IN. = 0 SQ. FT.
 1.5 SQ. FT. IN TOP THIRD
 (1 TO 300 ALLOWED)
 TOTAL ROOF VENTILATION: 7.22 SQ. FT. > 5.23 SQ. FT. (REQ'D)

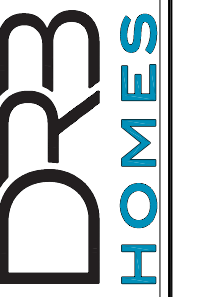


ROOF PLAN ELEV. 1
 SCALE: 1/8" = 1'-0"

FILE: Lot_00.0196.dwg DATE: 6/27/2024 5:42 PM

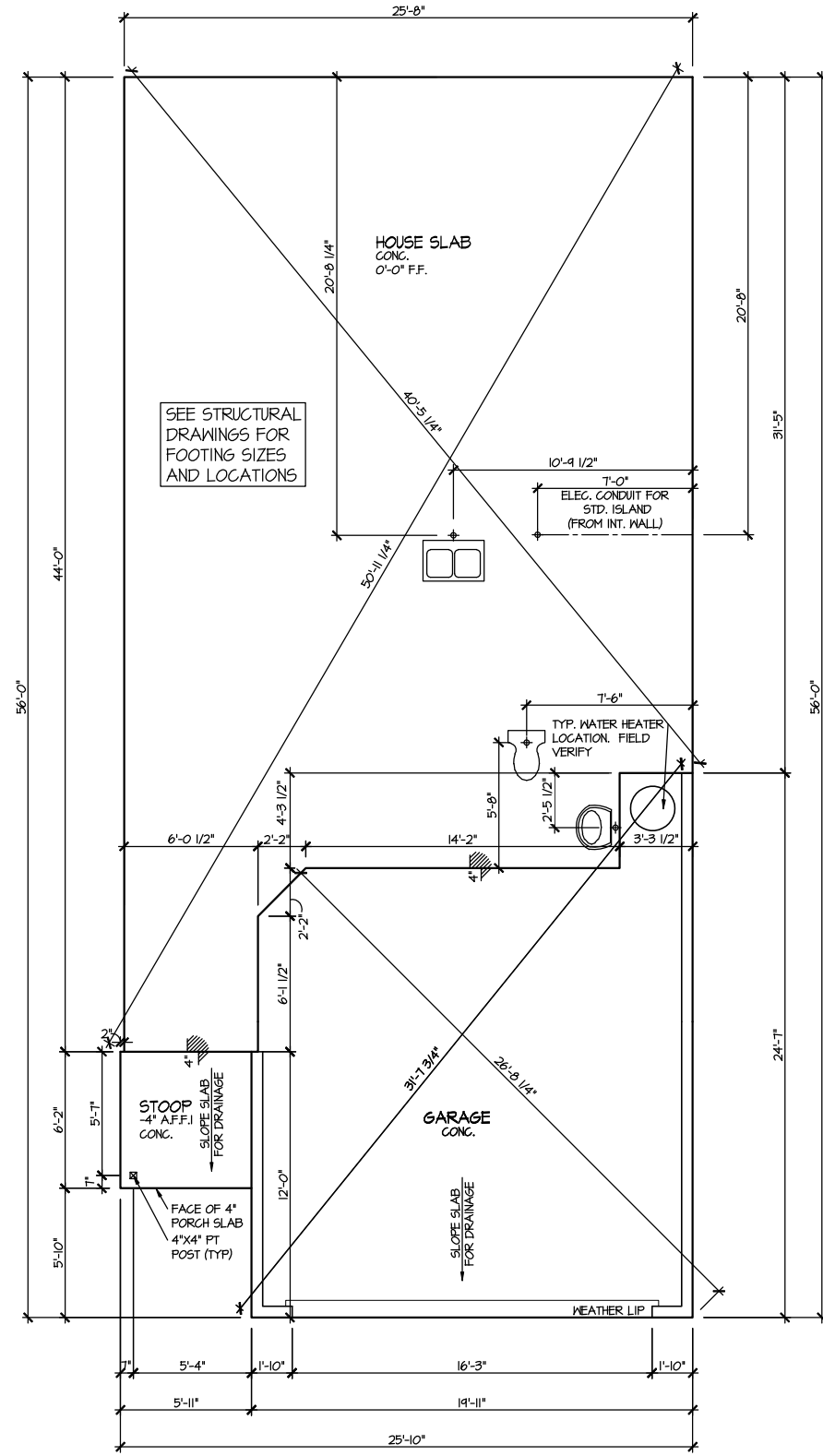
MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
	UPDATED DATE
	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
 DRAWING TITLE
ROOF PLAN

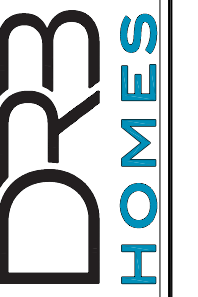
SHEET No.
A.3



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

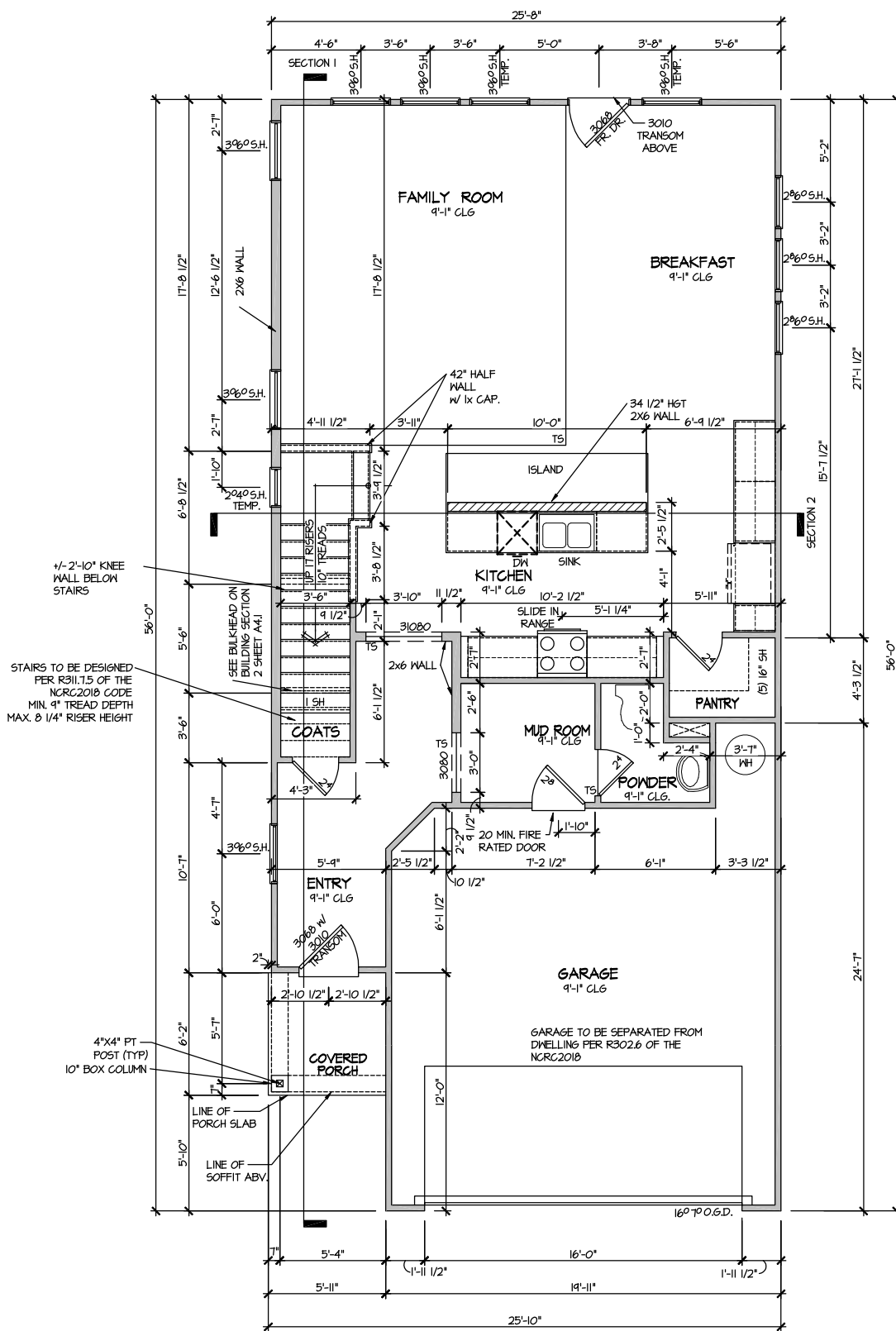
MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
	UPDATED DATE
	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
SLAB PLAN

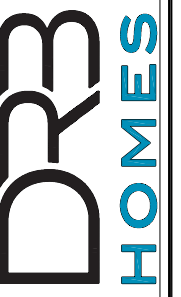
SHEET No.
A2.1



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

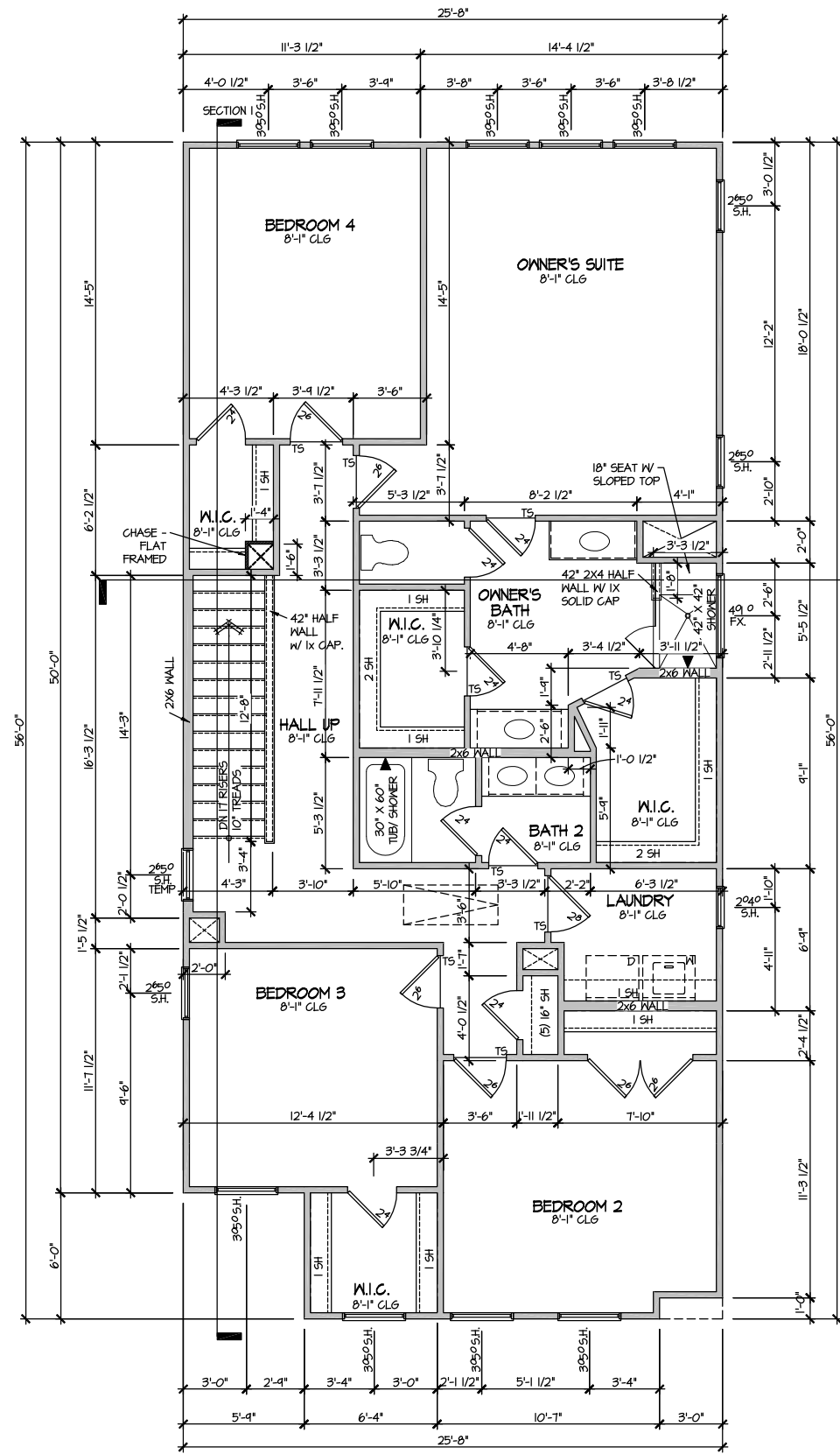
MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
UPDATED DATE	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No.
A3.1



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

MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
	UPDATED DATE
	04-29-2024

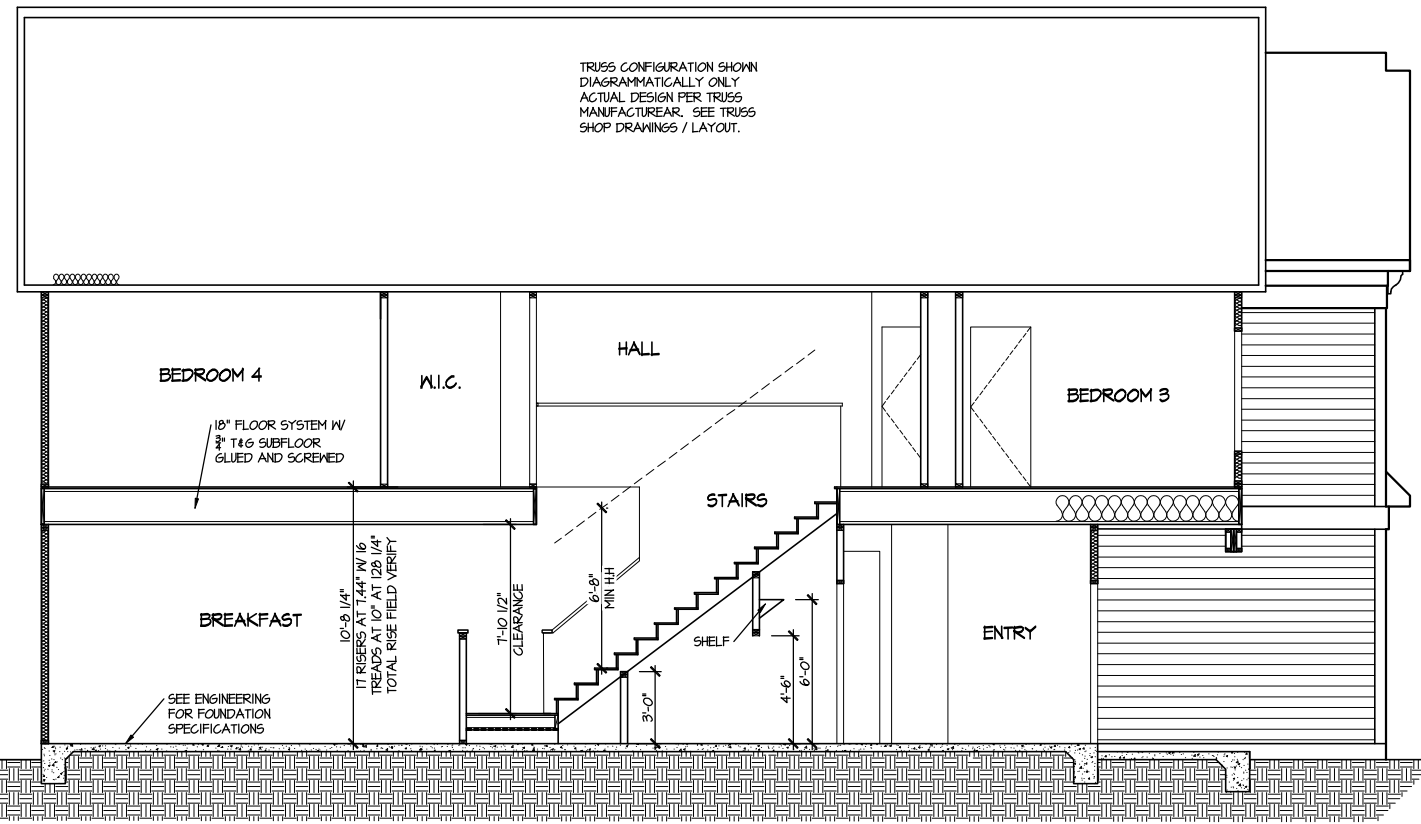
DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
SECOND FLOOR PLAN

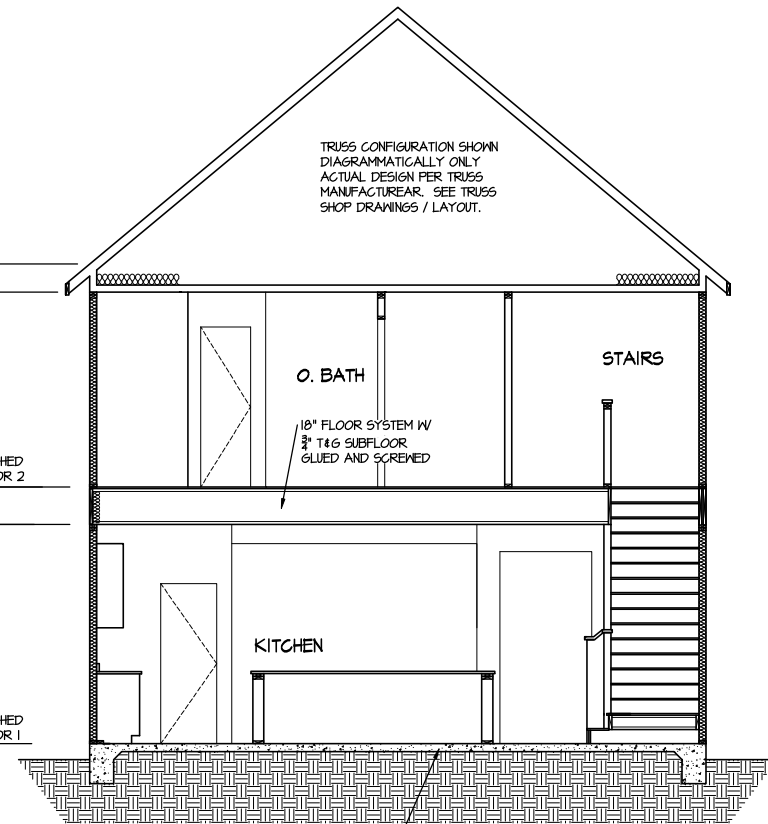
SHEET No.
A3.2

1'-2" HEEL HGT. (0.12 SLOPE)
 1'-6 3/4" 0'-1 1/2" 2ND FLR BRG. PL.
 FINISHED FLOOR 2
 1'-6 3/4"
 9'-1 1/2" 1ST FLR BRG. PL.
 FINISHED FLOOR 1



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

1'-2" HEEL HGT. (0.12 SLOPE)
 1'-6 3/4" 0'-1 1/2" 2ND FLR BRG. PL.
 FINISHED FLOOR 2
 1'-6 3/4"
 9'-1 1/2" 1ST FLR BRG. PL.
 FINISHED FLOOR 1

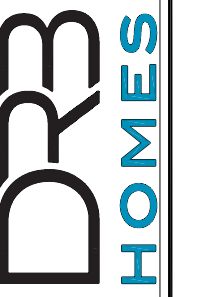


SECTION 2
 SCALE: 1/8" = 1'-0"

FILE: Lot_00.0196.dwg DATE: 6/27/2024 5:42 PM

MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
	UPDATED DATE
	04-29-2024

DRAWN BY: ITS
 DATE: 06/27/2024
 PLAN NO. 2244



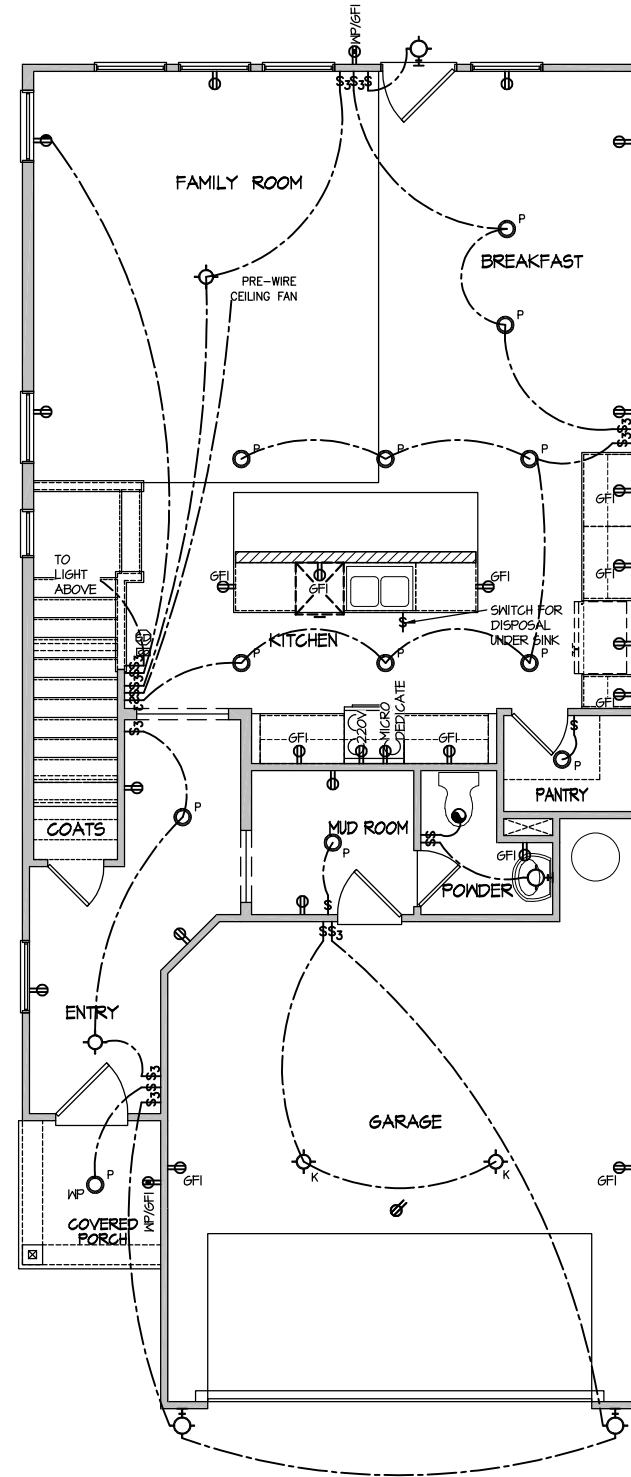
HOUSE NAME: CALLAWAY
 DRAWING TITLE: BUILDING SECTION

SHEET No. A4.1

ELECTRICAL LEGEND

- Ⓢ SINGLE POLE SWITCH
- Ⓢ₃ THREE WAY SWITCH
- Ⓢ₄ FOUR WAY SWITCH
- ⓈⓈ DUPLEX AFCI RECEPTACLE
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V Ⓢ RECEPTACLE - 220V
- GF Ⓢ DUPLEX AFCI RECEPTACLE - GFI
- WP/GF Ⓢ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⓈⓈ SMOKE DETECTOR - WIRED IN SERIES
- Ⓢ EXHAUST FAN MOTOR
- Ⓢ CO DETECTOR
- Ⓢ DOOR CHIME
- Ⓢ LIGHT FIXTURE - MALL MOUNTED
- Ⓢ LIGHT FIXTURE - CEILING MOUNTED
- Ⓢ LIGHT FIXTURE - RECESSED CAN
- Ⓢ LIGHT FIXTURE - LED PUCK LIGHT
- Ⓢ FULLCHAIN 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.

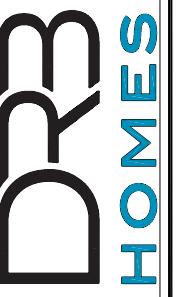


ELECTRICAL PLAN
FIRST FLOOR - ELEV. 1
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0196.dwg DATE: 6/27/2024 5:42 PM

MASTER PLAN INFORMATION	
DATE	02-01-2022
REVISION	98
UPDATED DATE	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



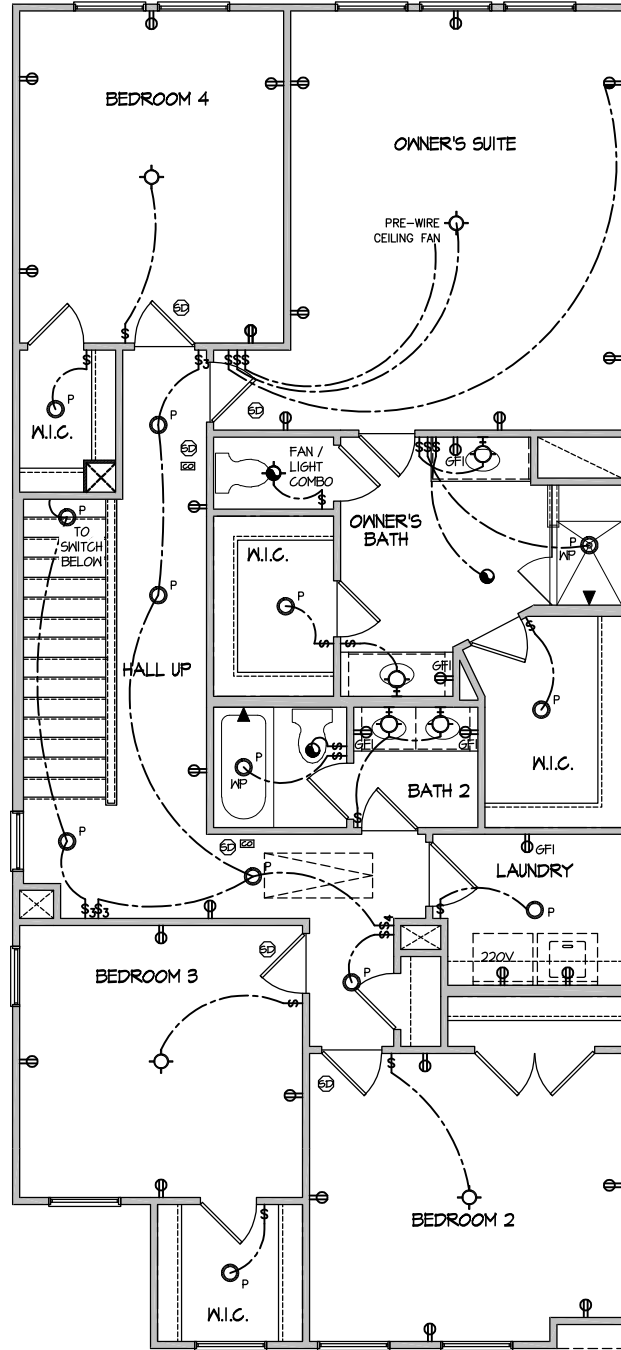
HOUSE NAME:
CALLAWAY
DRAWING TITLE
FIRST FLOOR ELECTRICAL

SHEET No.
1

ELECTRICAL LEGEND

- ⊕ SINGLE POLE SWITCH
- ⊕₃ THREE WAY SWITCH
- ⊕₄ FOUR WAY SWITCH
- ⊖ DUPLEX AFCI RECEPTACLE
- ⊖_⊕ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⊖_⊕ DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V ⊖ RECEPTACLE - 220V
- ⊖_⊕ DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI ⊖_⊕ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⊖_⊕ SMOKE DETECTOR - WIRED IN SERIES
- ⊖ EXHAUST FAN MOTOR
- ⊖ CO DETECTOR
- ⊖ DOOR CHIME
- ⊖ LIGHT FIXTURE - WALL MOUNTED
- ⊖ LIGHT FIXTURE - CEILING MOUNTED
- ⊖ LIGHT FIXTURE - RECESSED CAN
- ⊖ LED PUCK LIGHT
- ⊖ FULLCHAIN LAMPHOLDER
- ⊖ KEYLESS LAMPHOLDER
- 2x4* 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.

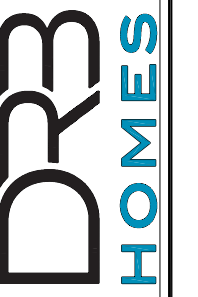


ELECTRICAL PLAN
SECOND FLOOR - ELEV. 1
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0196.dwg DATE: 6/27/2024 5:42 PM

MASTER PLAN INFORMATION	
REVISION	DATE
98	02-01-2022
	UPDATED DATE
	04-29-2024

DRAWN BY:	ITS
DATE:	06/27/2024
PLAN NO.	2244



HOUSE NAME:
CALLAWAY
DRAWING TITLE
SECOND FLOOR ELECTRICAL

SHEET No.
1.2



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



HOUSE NAME:
DRAWING TITLE
RALE TILE SHOWER DETAIL

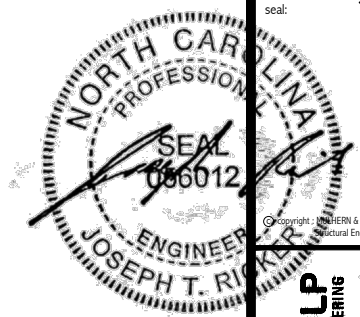
SHEET No.
01.12



RALE TILE SHOWER SECTION B
SCALE: 1/2" = 1'-0"



RALE TILE SHOWER SECTION C
SCALE: 1/2" = 1'-0"



Copyright: MULHERN+KULP Structural Engineering, Inc.

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 300 Beaverton Ave., Building 4 - Asheville, PA 17002 P: 215-948-2001 E: mulhern@mk-engineering.com NC LIC. #C-3825

M&K project number: 126-22076 project mgr: JTR drawn by: JAD issue date: 07-08-24 REVISIONS: date: initial:

DRB HOMES

STRUCTURAL NOTES FARM AT NEIL'S CREEK LOT 196 - CALLAWAY I RALEIGH, NC

sheet: S0.0

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 FIND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING: 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU) SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC) SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU) (REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS) ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2. BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD. BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SFF OR 5/1" STUD GRADE OR BETTER. CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UNO.: Fc = 4,000 psi: FOUNDATION WALLS 2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE 3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE fy = 60,000 psi BASEMENT FOUNDATION WALL DESIGN BASED ON: 9' OR 10' HEIGHT (AS NOTED ON PLANS) TALLER WALLS MUST BE ENGINEERED. NOMINAL WIDTH (1 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 BUILT, 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, UNO. 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 45% COMPACTED FILL. PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP. JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM) JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (Fm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530.1. CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 4 GA. MINIMUM @ 16" O.C. PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRANL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID. PROVIDE 2x6 P.T. PLATE ON INTERIOR CRANL 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.

GENERAL STRUCTURAL NOTES

DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE, RESIDENTIAL CODE. WOOD FRAME ENGINEERING IS BASED ON NDS, 'NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION' - LATEST EDITION. DESIGN LOADS: ROOF DEAD = 7 PSF T.C., 10 PSF B.C. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25 FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAWN) 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADDL. 10 PSF @ TILE) LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B. SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX 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. UNO. EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR 5/1" STUD GRADE LUMBER, OR BETTER, UNO. WALLS OVER 12' TALL SHALL BE PER PLAN. ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SFF) OR SOUTHERN PINE #2 (5/1P) 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., UNO.) HEADERS IN NON-LOAD BEARING WALLS: (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: LVL - Fb=2325 psi; Fv=310 psi; E=1.55x10^6 psi LVL - Fb=2600 psi; Fv=285 psi; E=2.0x10^6 psi PSL - Fb=2900 psi; Fv=240 psi; E=2.0x10^6 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 PLYS TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS. FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" 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, UNO.. ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN), EACH PLY. PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE. FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s (HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED. ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, UNO.

FLOOR FRAMING

I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. EXCLUDES MARBLE FLOORS - CONTACT MK FOR MARBLE FLOOR DESIGNS. AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD. METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, UNO. FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD. - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD. - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD. - #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 H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H25T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H25T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS. METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, UNO. ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCS1 1-08 "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 @ 14.2" O.C. MAX. (FLOOR TRUSSES) ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - W/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD. - W/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD. - W/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.

HOLD-DOWN SCHEDULE

Table with 2 columns: SYMBOL, SPECIFICATION. Includes HD-1 SIMPSON HIT4 HOLD-DOWN, HD-2 SIMPSON MSTC66 STRAP TIE, HD-3 SIMPSON STDH4/MRJ HOLD-DOWN.

ALTERNATIVE TO S51B24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN 3/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN 1 3/4" @ EDGE OF FOUNDATION.

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN. TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING: A. ROOF TRUSSES: 1/4" DEAD LOAD B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD C. FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS: LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NCSEBC: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 NCSEBC: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 HEREWITH, 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 NCSEBC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3/8"x0.113" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. TYP. UNO. HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED. ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS. ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (1/2" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/2" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

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

NOTES

SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN. DESIGN ASSUMES 16" O.C. MAX. STUD SPACINGS, UNO. ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING. PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

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

VENEER LINTEL SCHEDULE

Table with 3 columns: SPAN (MAX), HEIGHT OF VENEER ABOVE LINTEL, STEEL ANGLE SIZE. Includes rows for 3'-0", 6'-0", 8'-0", 9'-6", 16'-0" spans.

ALL LINTELS: SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40# MAXIMUM HEIGHT. SHALL HAVE 4" MIN. BEARING SHALL HAVE 8" MIN. BEARING SHALL NOT BE FASTENED BACK TO HEADER. SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 90deg. W/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES. MAX VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING. ALL LINTELS SHALL BE LONG LEG VERTICAL. WHEN SUPPORTING VENEER < 9" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 5/8" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING. SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR GREEN VENEER USE Lx3x3/4". FOR 3/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.

LEGEND

INTERIOR BEARING WALL BEARING WALL ABOVE BEAM / HEADER INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING J.L. 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

Table with 3 columns: SPAN, 2x4 NON-BEARING PARTITION WALL, 2x6 NON-BEARING PARTITION WALL. Includes rows for UP TO 3'-0", UP TO 6'-0", UP TO 8'-0" spans.

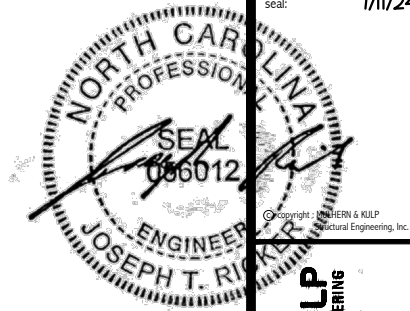
NOTES: ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD GRADE MEMBERS SPACED @ 24" O.C. (MAX)

ENGINEERED BEAM MATERIAL SCHEDULE

Table with 6 columns: BEAM NUMBER, LVL OPTION, PSL OPTION, LSL OPTION, FLITCH OPTION, STEEL OPTION. Includes rows for beam numbers 001 through 006.

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 REFER TO DETAIL D/S/D2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS REFER TO DETAIL E/S/D2.0 FOR TYPICAL STEEL BEAM CONNECTIONS FOR FLUSH TOP BEAMS PROVIDE 2x STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C. FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.

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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave, Building 4 - Asheville, PA 18002
P 216-948-8881 • mulhern+kulp.com
NC LIC. #C-3825

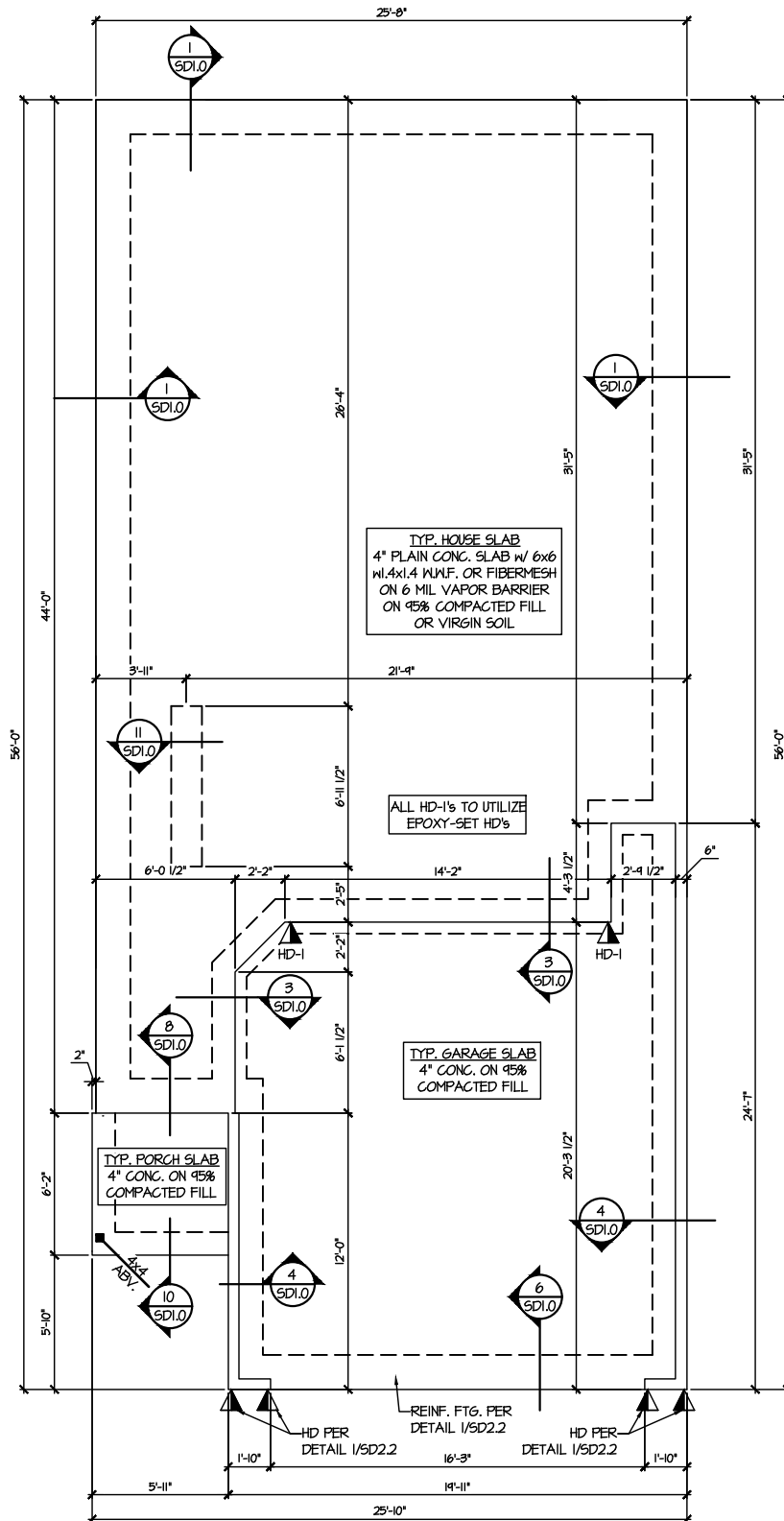
M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:



FOUNDATION PLANS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

sheet:
S1.0

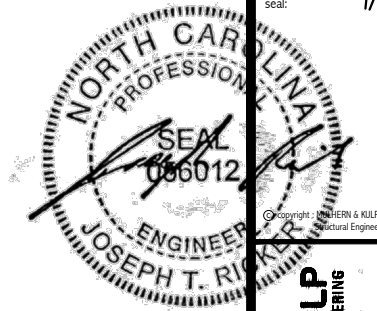


MONO SLAB FOUNDATION PLAN
SCALE: 1/8"=1'-0"

LEGEND

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

**REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES**



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave., Building 4 - Asheville, PA 19002
P 716-948-8001 • mulhern+kulp.com



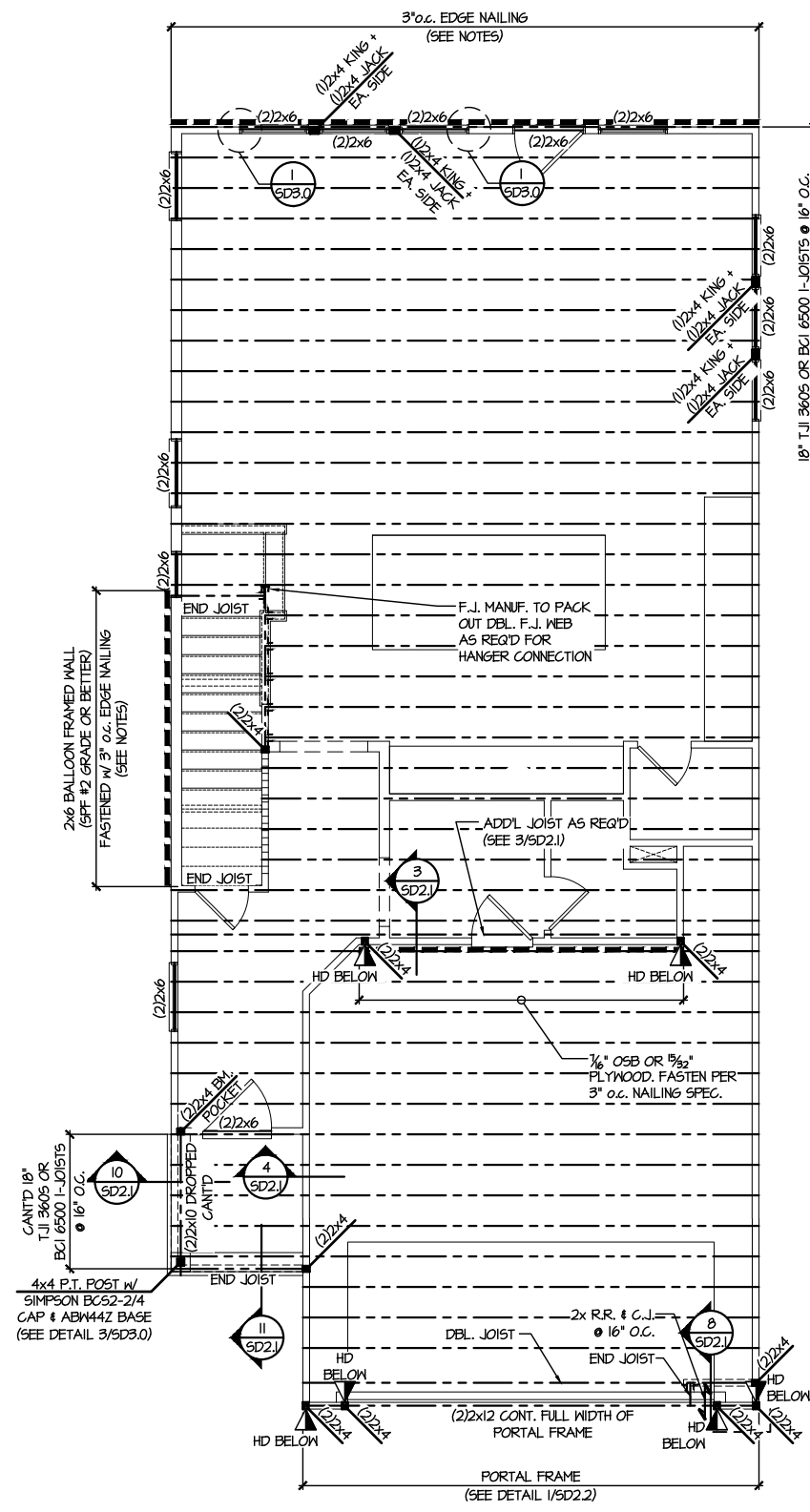
M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:



FLOOR FRAMING PLANS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

sheet:
S2.0



2ND FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

SD2.1 REFERS TO SD2.1A FOR LVL/PSL/LSL BEAMS OR SD2.1B FOR FLITCH BEAMS OR SD2.1C FOR STEEL BEAMS

LEGEND

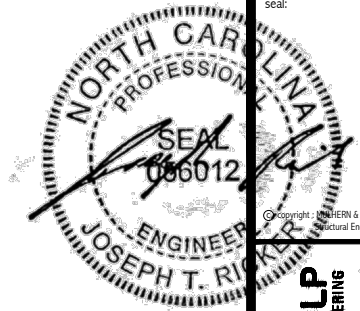
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4"x14" - H	3/2"x14" - H	(2) 3/4"x16" - H	(2) 2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - H	N/A
002	(2) 3/4"x16" - H	3/2"x16" - H	(2) 3/4"x18" - H	(2) 2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - H	N/A
003	(2) 3/4"x20" - H	N/A	N/A	N/A	N/A
004	(2) 3/4"x24" - H	N/A	N/A	N/A	N/A
005	(2) 3/4"x18" - F	3/2"x18" - F	N/A	(2) 2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - F	M6x26 - F
006	(2) 3/4"x18" - F	3/2"x18" - F	N/A	(2) 2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - F	N/A

- 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
- REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
- REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
- FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave, Building 4 - Asheville, PA 19002
P 716-948-8001 • mulhern+kulp.com
NC LIC. #C-3825

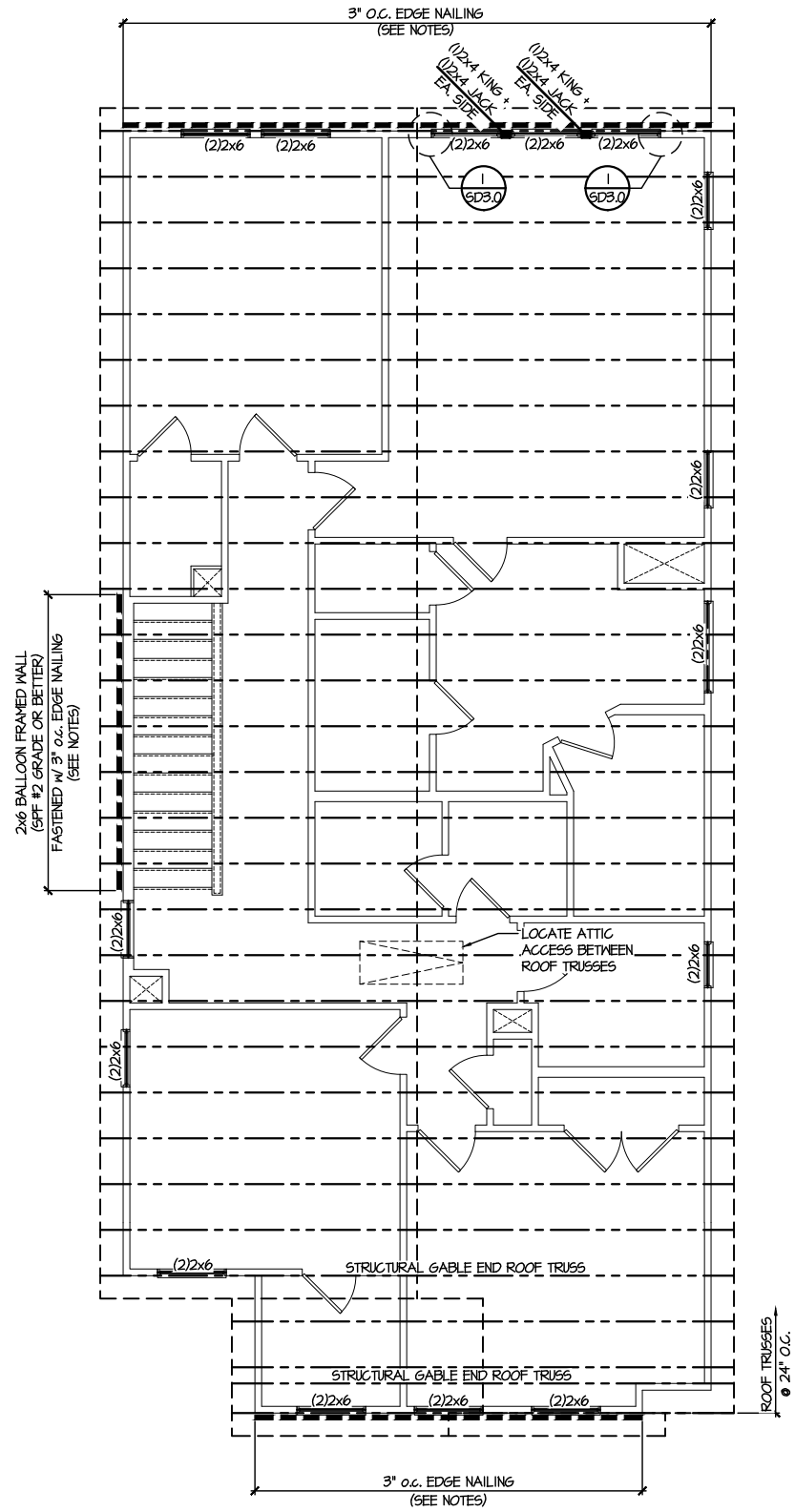
M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:



ROOF FRAMING PLANS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

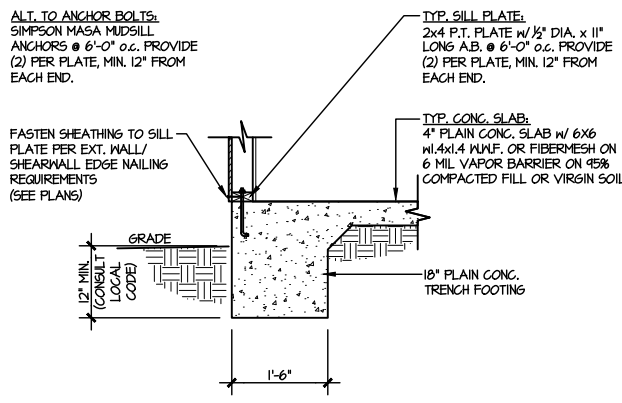
sheet:
S3.0



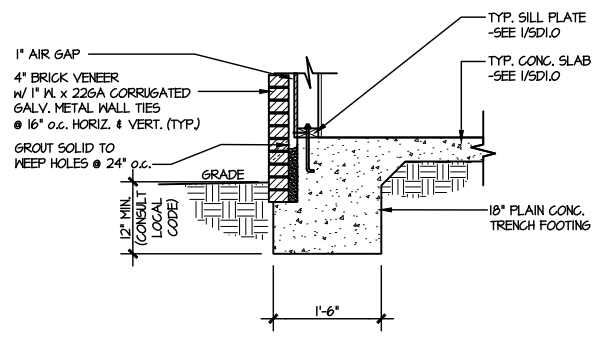
1 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

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

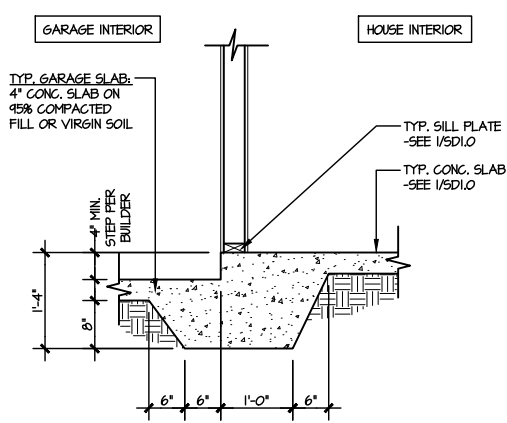
REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



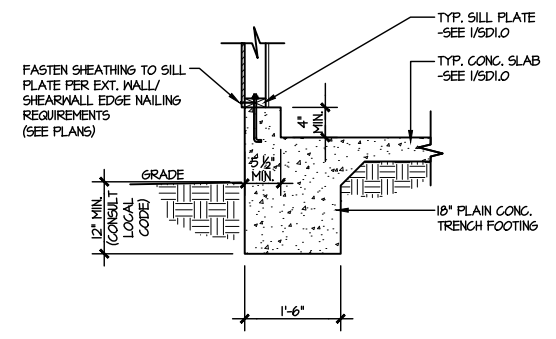
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



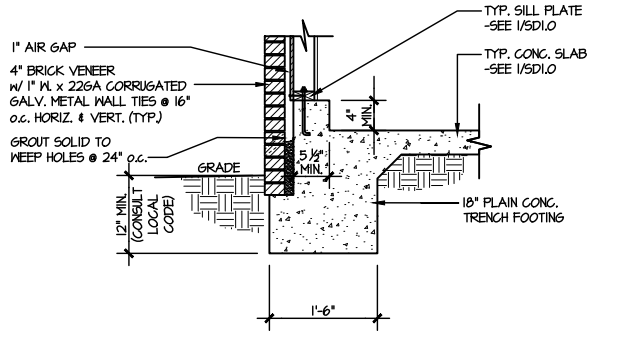
2 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



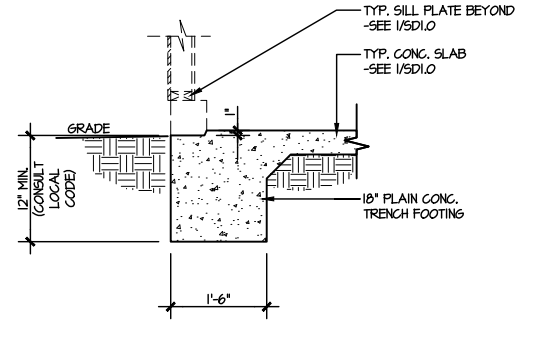
3 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING
SCALE: 3/8"=1'-0"



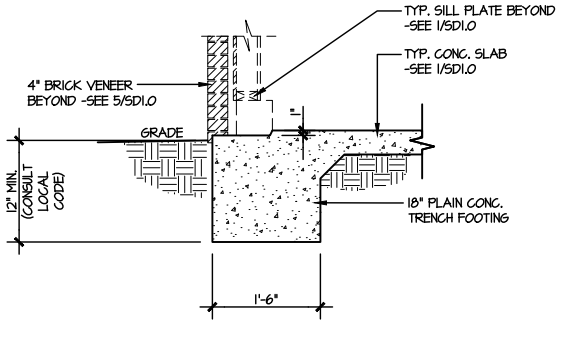
4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



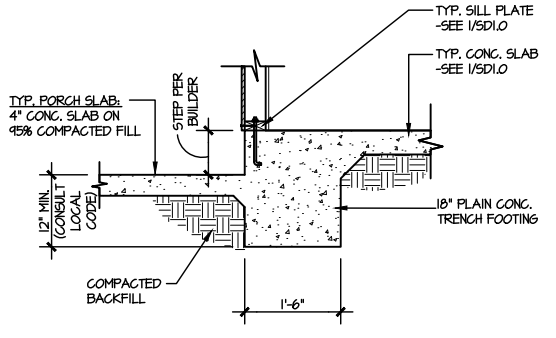
5 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



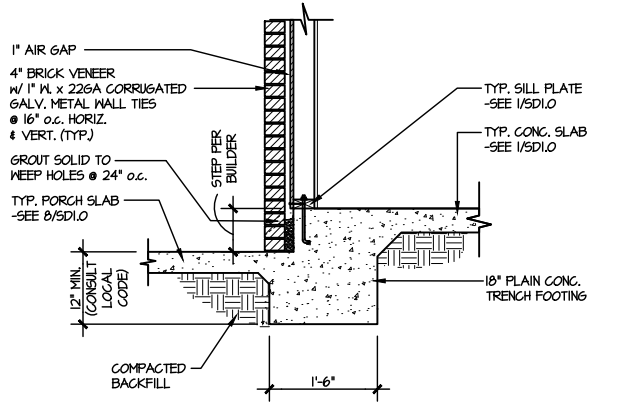
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



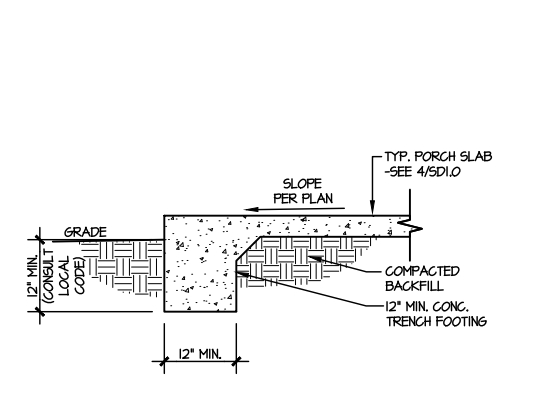
7 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



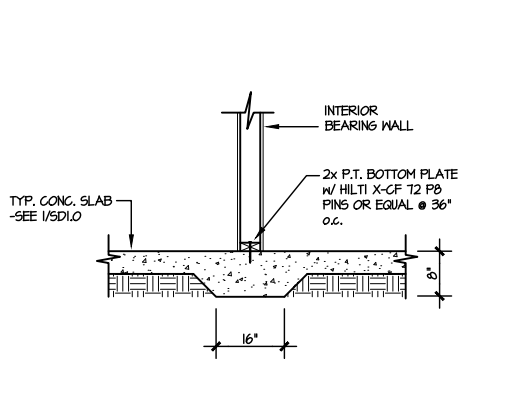
8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0"



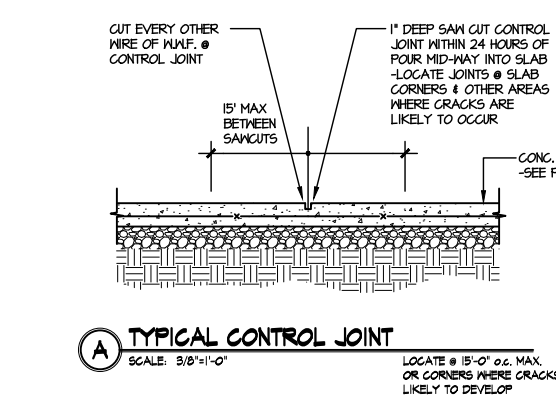
9 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0"



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



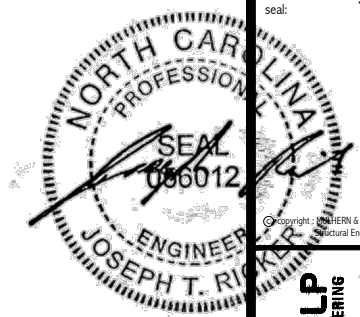
11 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
SCALE: 3/8"=1'-0"



A TYPICAL CONTROL JOINT
SCALE: 3/8"=1'-0"

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.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
380 Beardslee Ave., Building 4 - Asheville, PA 19002
P 718-948-8881 • mulhern+kulp.com
NC LIC. #C-3825

M&K project number:
126-22076

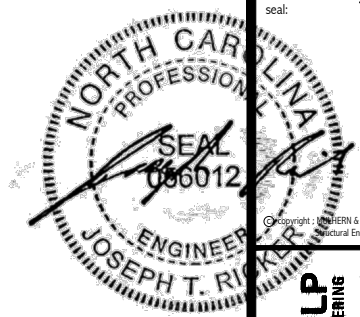
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:



FOUNDATION DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

sheet:
SD1.0

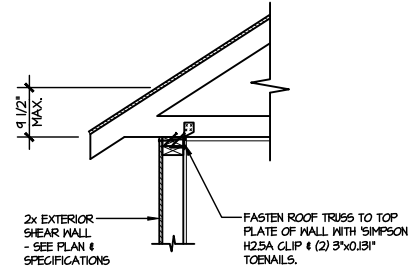


MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Bluebirds Ave., Building 4 - Asheboro, PA 28802
P: 715-946-8801 • mulhern+kulp.com
NC LIC. #C-3825

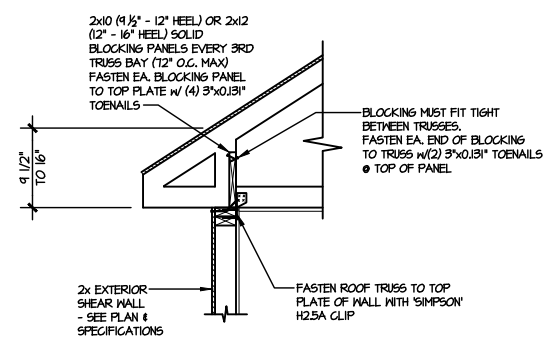
MAK project number: 126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24
REVISIONS:
date: initial:



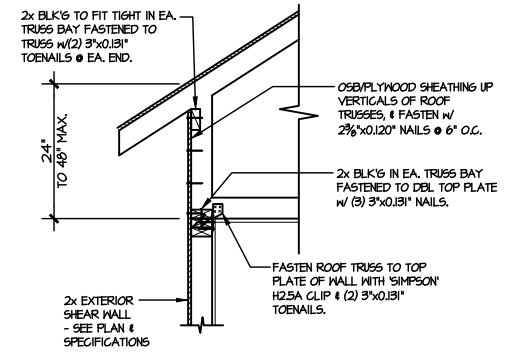
FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY I
RALEIGH, NC



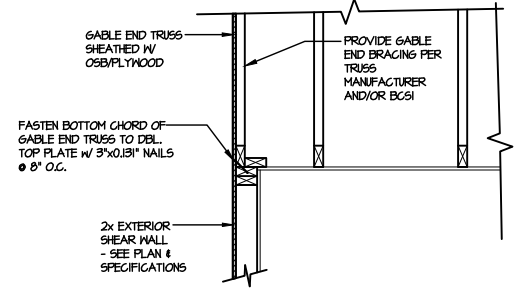
(AI) TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2" NO BLOCKING REQ'D



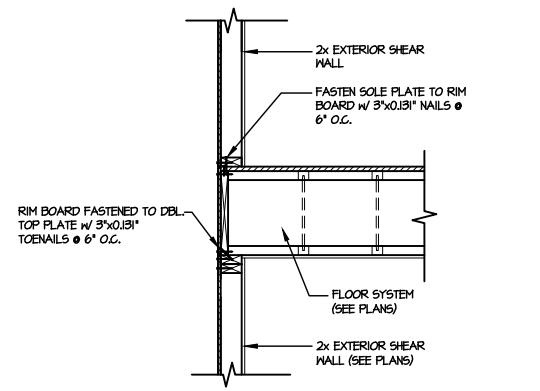
(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16" BLOCKING REQ'D



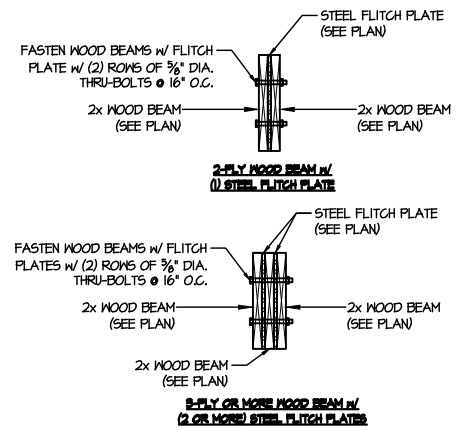
(A3) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



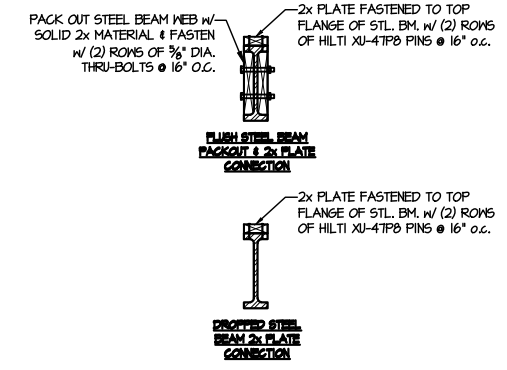
(B) TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



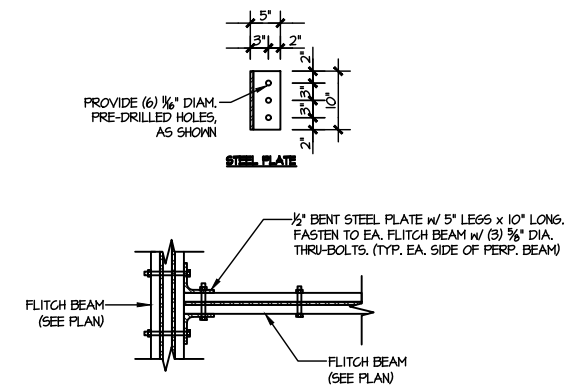
(C) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"



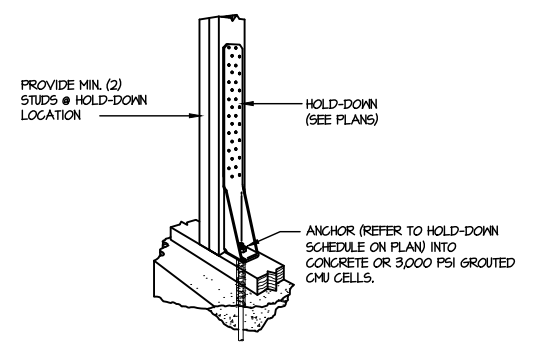
(D) TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



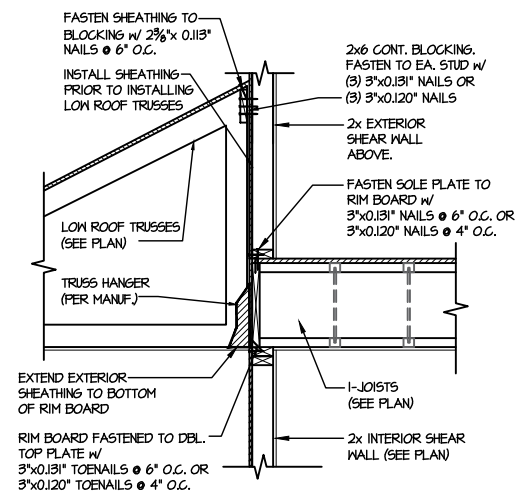
(E) TYPICAL STEEL BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



(I) TYPICAL FLITCH BEAM TO FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



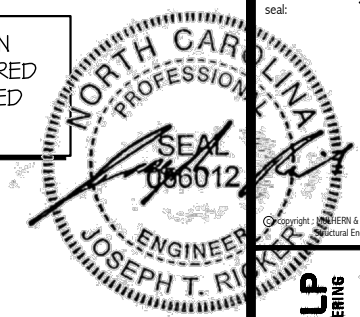
(FI) TYPICAL HOLD DOWN INSTALLATION
SCALE: N.T.S.



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

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

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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Bechtel Ave, Building 4 - Asheville, PA 17002
P 212-948-8881 • mulhern+kulp.com
N.C. LIC. #C-3825

M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:

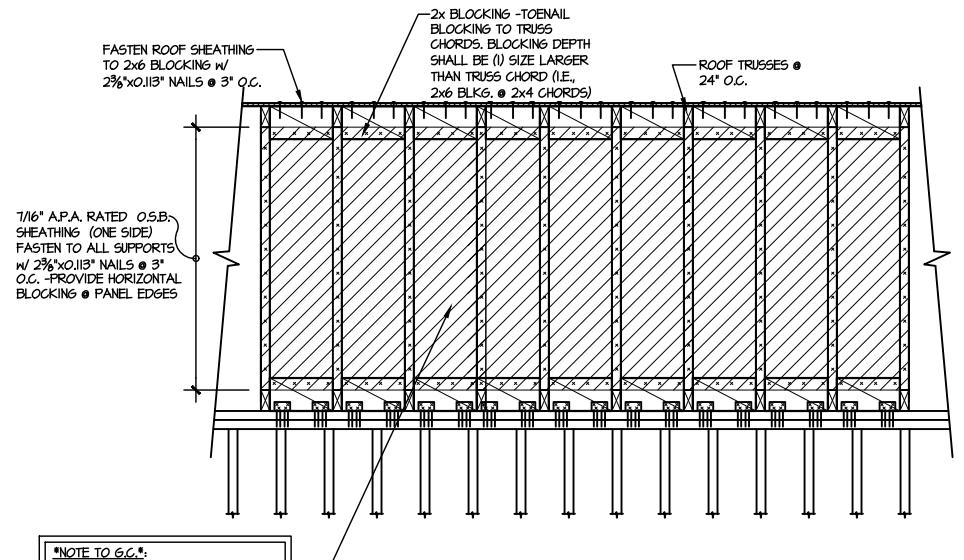
DRB
HOMES

FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

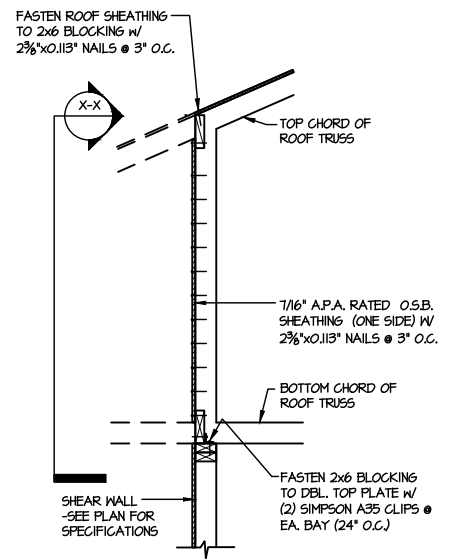
sheet:
SD2.1A

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

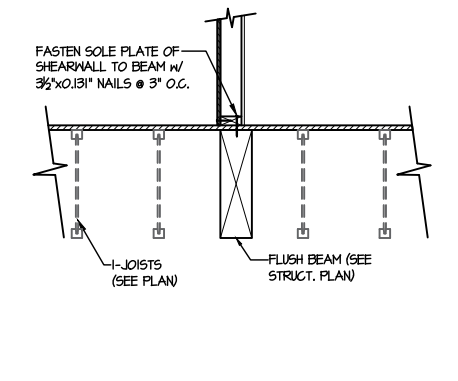
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



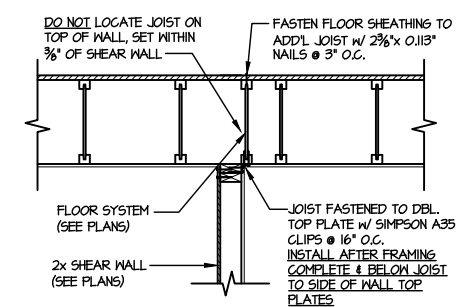
TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/8"=1'-0"



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

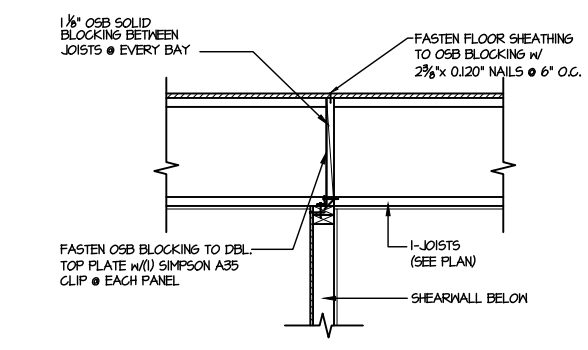


SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0" PARALLEL FRAMING

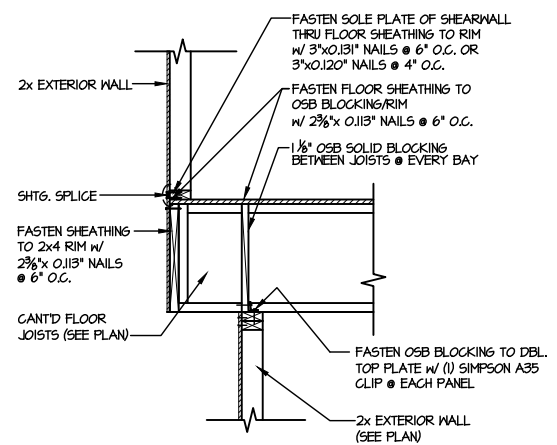


SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" PARALLEL TO FRAMING ONLY REQRD WHERE NOTED ON PLAN

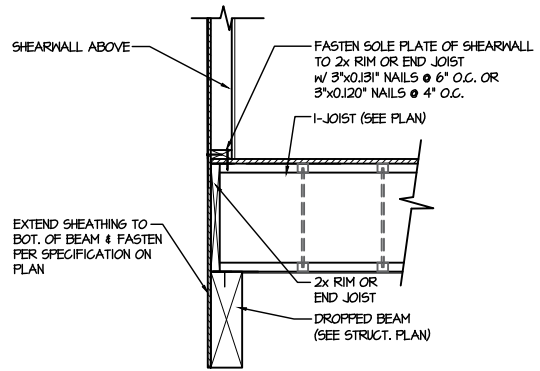
NOTE TO C.C.
FOR WALLS LESS THAN 18'-0", RUN BLOCKING & SHEATHING SHOWN CONT. FULL LENGTH OF SHEAR WALL. IF PENETRATIONS ARE REQ'D REMOVE SINGLE BAY ONLY AS NEEDED



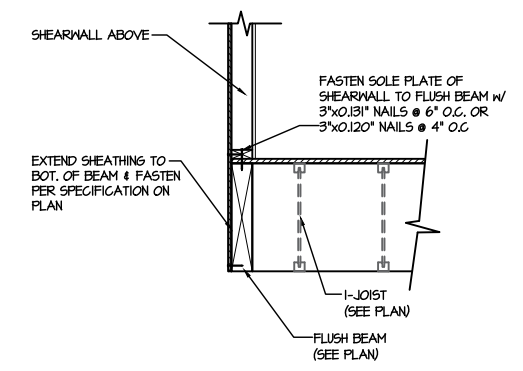
SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



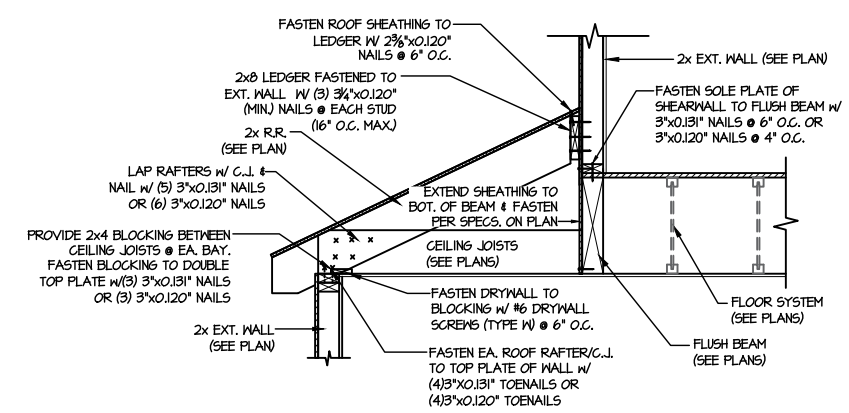
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/8"=1'-0"



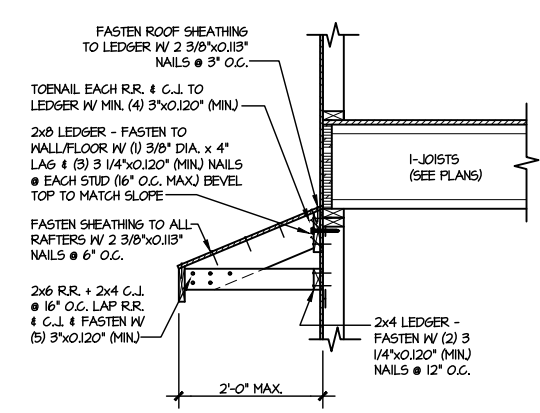
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



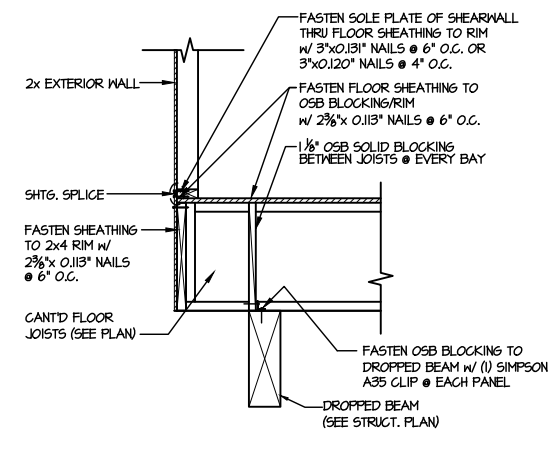
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



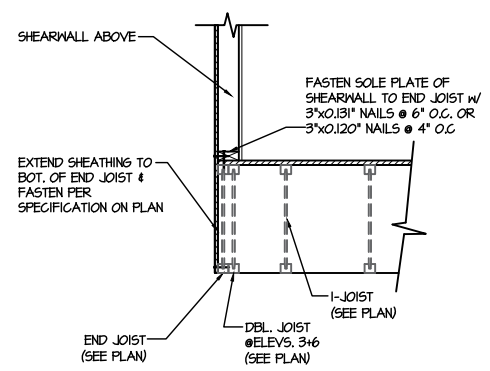
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ SHED ROOF
SCALE: 3/4"=1'-0"



DETAIL @ SHED ROOF OVER GARAGE DOOR
SCALE: 2x6x4 - 3/4"=1'-0" 1x6" - 3/8"=1'-0"

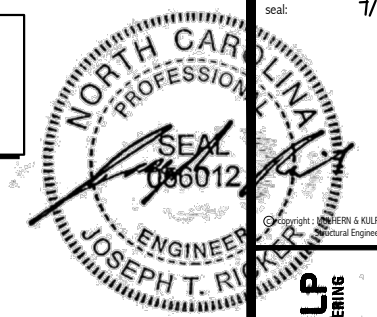


SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/8"=1'-0"



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

FILE: RLH - Neil's Creek - Lot 196 - Structural DATE: 7/11/2024 1:24 PM



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Boushock Ave., Building 4 - Asheville, PA 18002
P: 717-948-8800 | F: 717-948-8801 | mulhern+kulp.com
NC LIC. #C-3825

M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

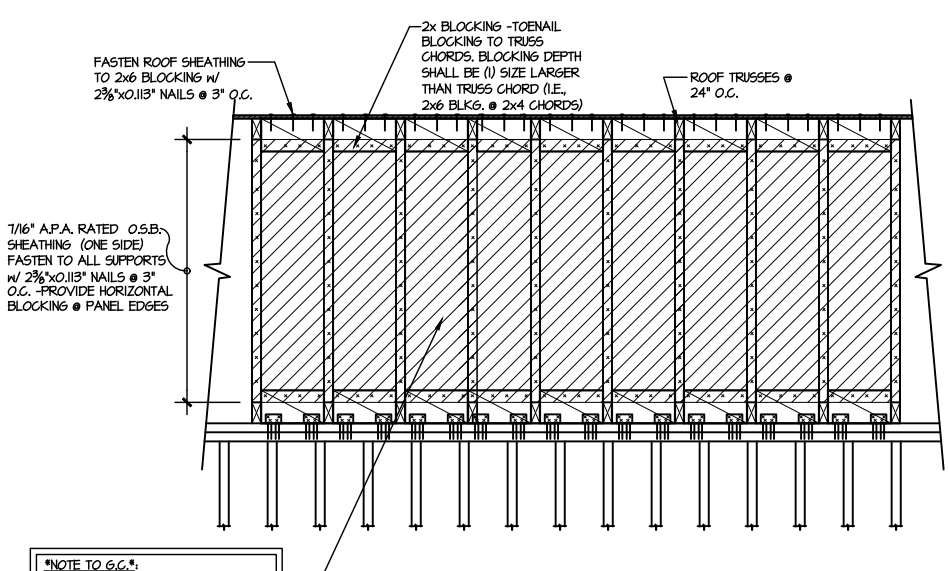
REVISIONS:
date: initial:



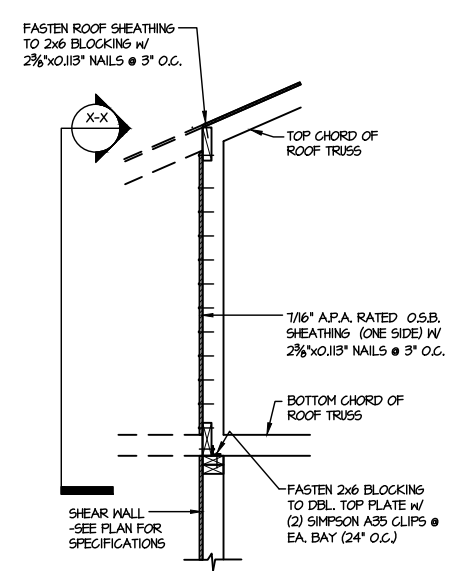
FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

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

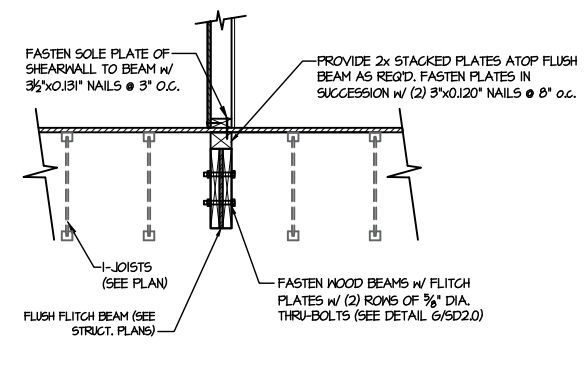
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



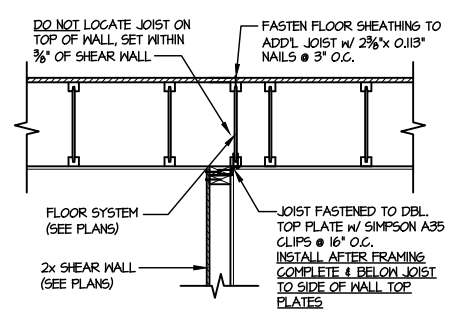
TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/8"=1'-0"



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

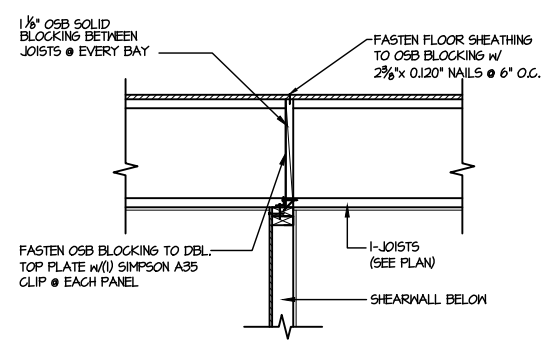


SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0" PARALLEL TO FRAMING

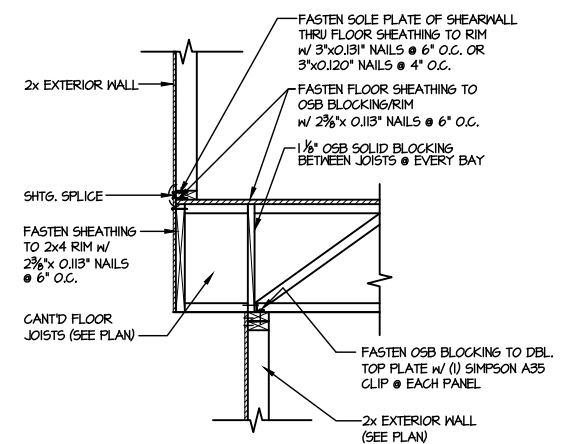


SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" PARALLEL TO FRAMING ONLY REQ'D WHERE NOTED ON PLAN

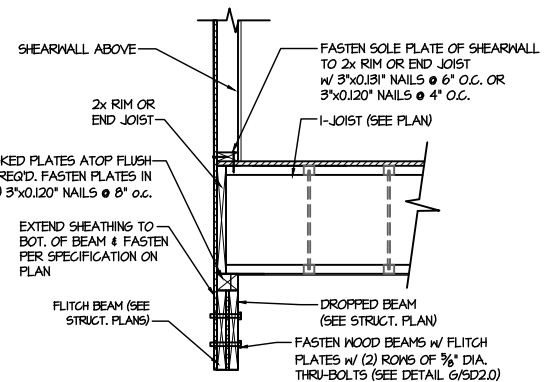
NOTE TO G.C.
FOR WALLS LESS THAN 18'-0", RUN BLOCKING & SHEATHING SHOWN CONT. FULL LENGTH OF SHEAR WALL. IF PENETRATIONS ARE REQ'D REMOVE SINGLE BAY ONLY AS NEEDED



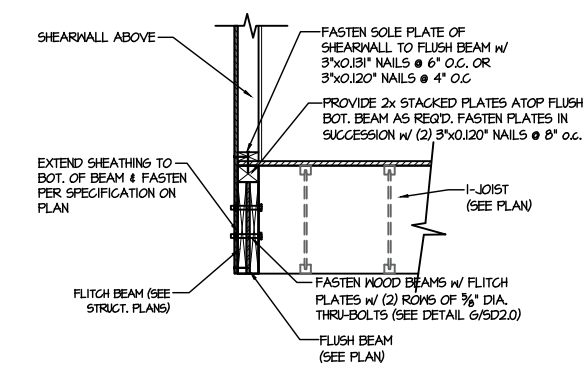
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



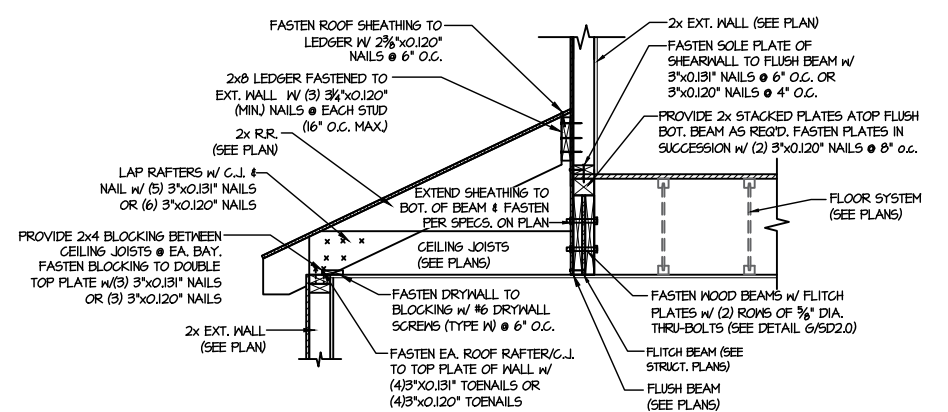
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/8"=1'-0"



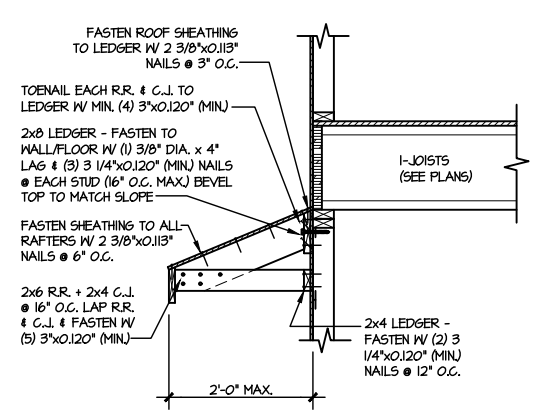
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



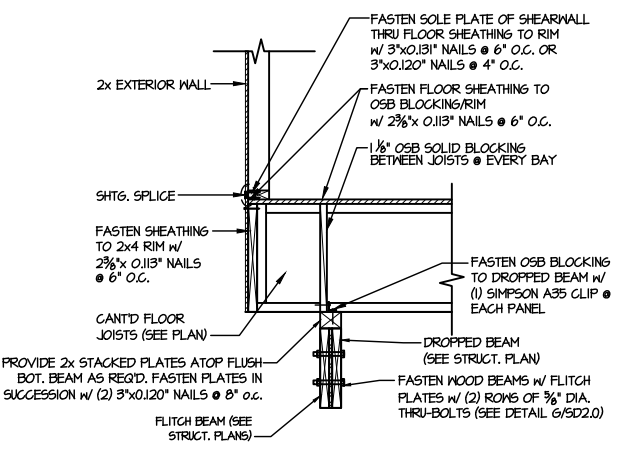
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



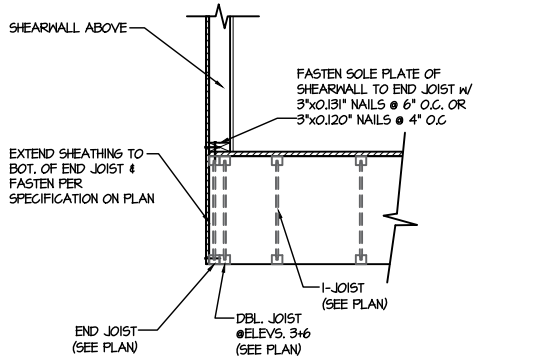
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ SHED ROOF
SCALE: 3/4"=1'-0"



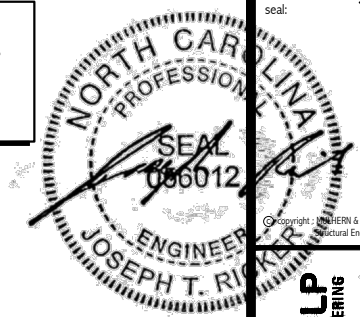
DETAIL @ SHED ROOF OVER GARAGE DOOR
SCALE: 22/64 - 3/4"=1'-0" 1/8"=1'-0"



SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/8"=1'-0"



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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Downside Ave., Building 4 - Asheville, PA 17002
P 212-948-8001 • mulhern+kulp.com
N.C. LIC. #C-3825

M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:

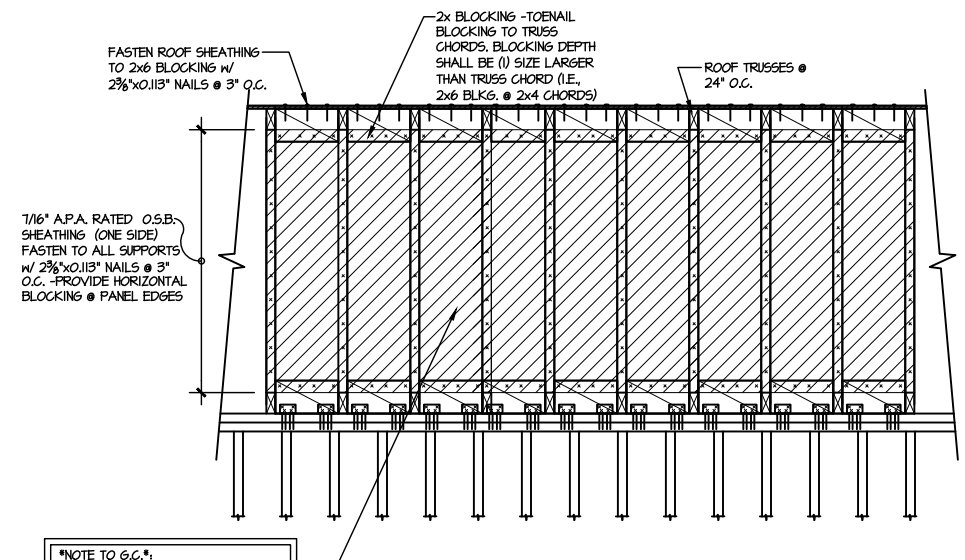
DRB
HOMES

FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

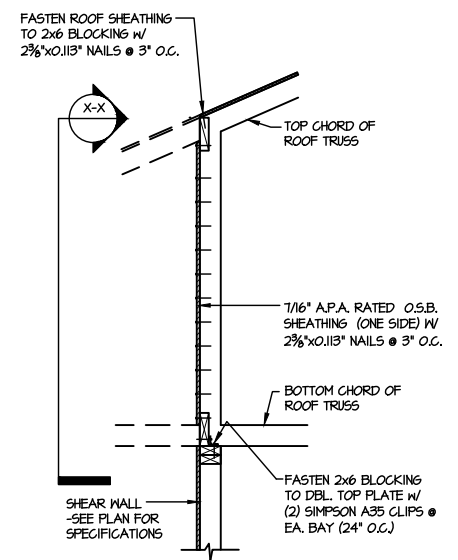
sheet:
SD2.1C

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.



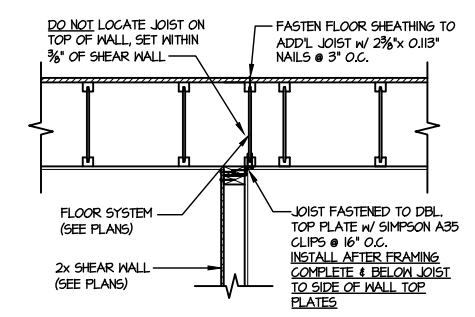
TYPICAL SHEAR TRANSFER DETAIL
(X-X) @ INTERIOR SHEARWALL
SCALE: 3/8"=1'-0"



TYPICAL SHEAR TRANSFER DETAIL
(1) @ INTERIOR SHEARWALL
SCALE: 3/8"=1'-0"

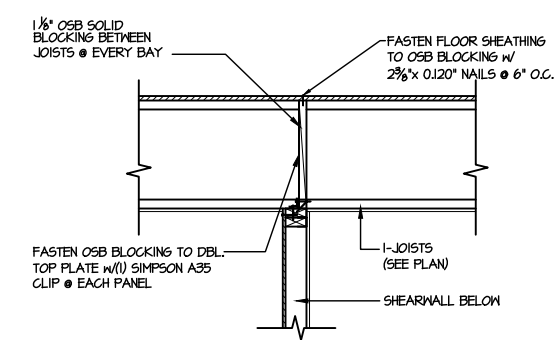
NOT USED

SHEAR TRANSFER DETAIL @
(2) INTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0" PARALLEL FRAMING

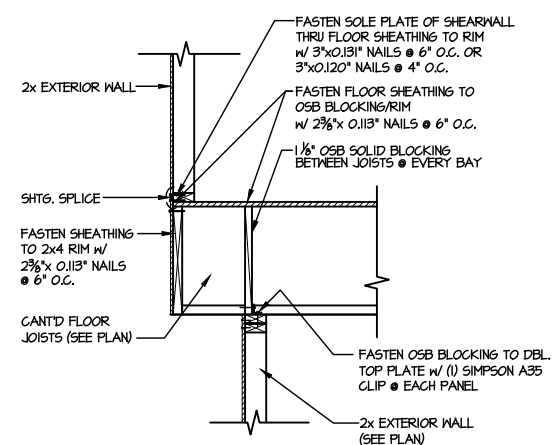


SHEAR TRANSFER DETAIL @
(3) INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" PARALLEL TO FRAMING ONLY NEED HERE NOTED ON PLAN

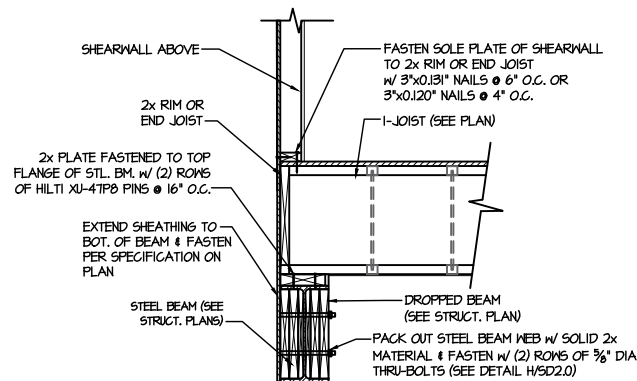
NOTE TO O.C.'S:
FOR WALLS LESS THAN 18'-0", RUN BLOCKING & SHEATHING SHOWN CONT. FULL LENGTH OF SHEAR WALL. IF PENETRATIONS ARE REQ'D REMOVE SINGLE BAY ONLY AS NEEDED



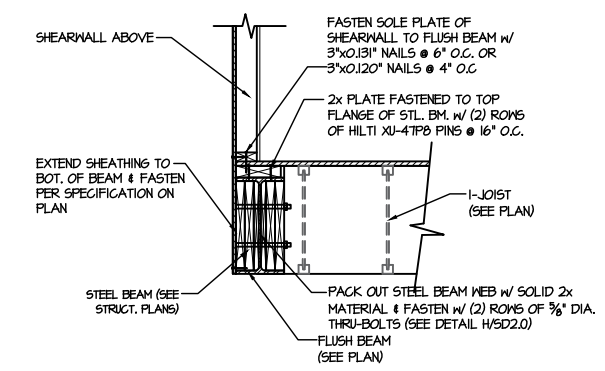
SHEAR TRANSFER DETAIL
(4) @ INTERIOR SHEAR WALL
SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



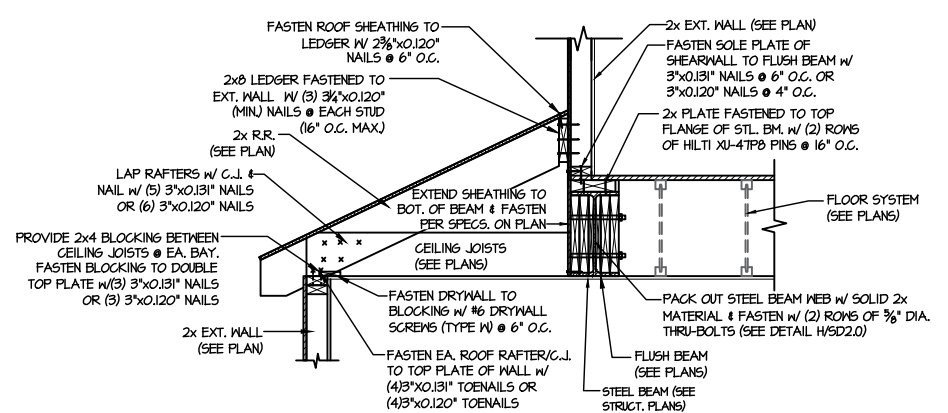
SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
(5)
SCALE: 3/8"=1'-0"



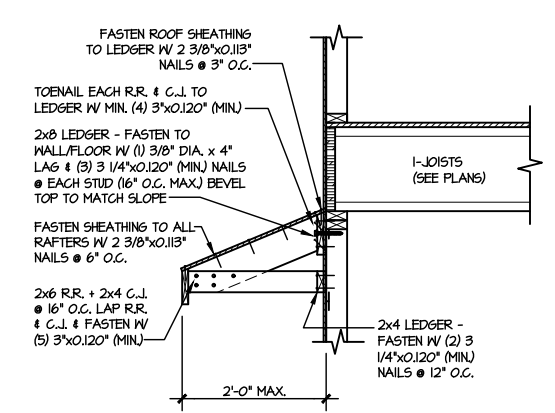
SHEAR TRANSFER DETAIL @
(6) EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



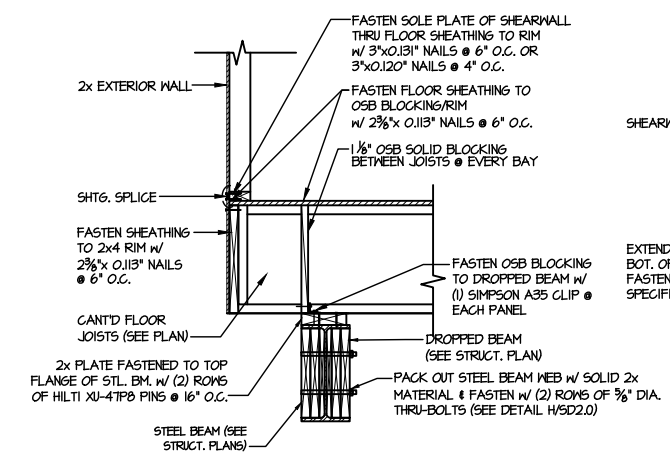
SHEAR TRANSFER DETAIL @
(7) EXTERIOR SHEARWALL ABOVE
SCALE: 3/8"=1'-0"



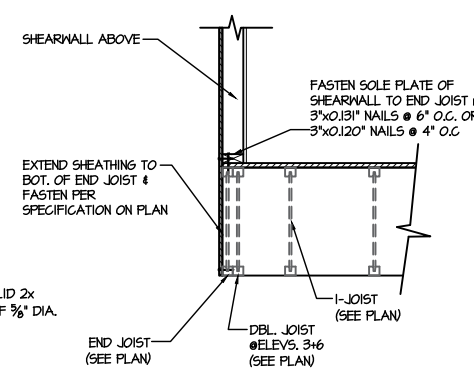
TYPICAL SHEAR TRANSFER DETAIL
(8) BETWEEN FLOORS @ SHED ROOF
SCALE: 3/4"=1'-0"



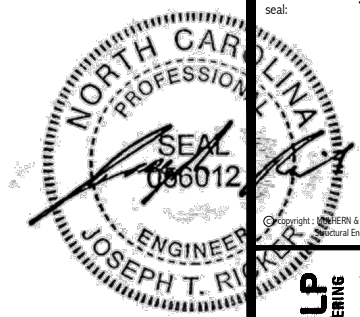
DETAIL @ SHED ROOF OVER GARAGE DOOR
(9)
SCALE: 22/64 - 3/4"=1'-0" INT - 3/8"=1'-0"



SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
(10)
SCALE: 3/8"=1'-0"



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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave., Building 4 - Asheville, PA 18002
P 212-948-8801 - mulhern+kulp.com

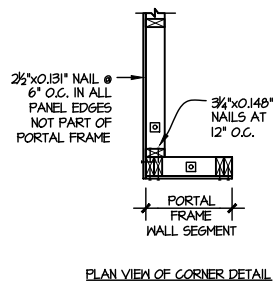
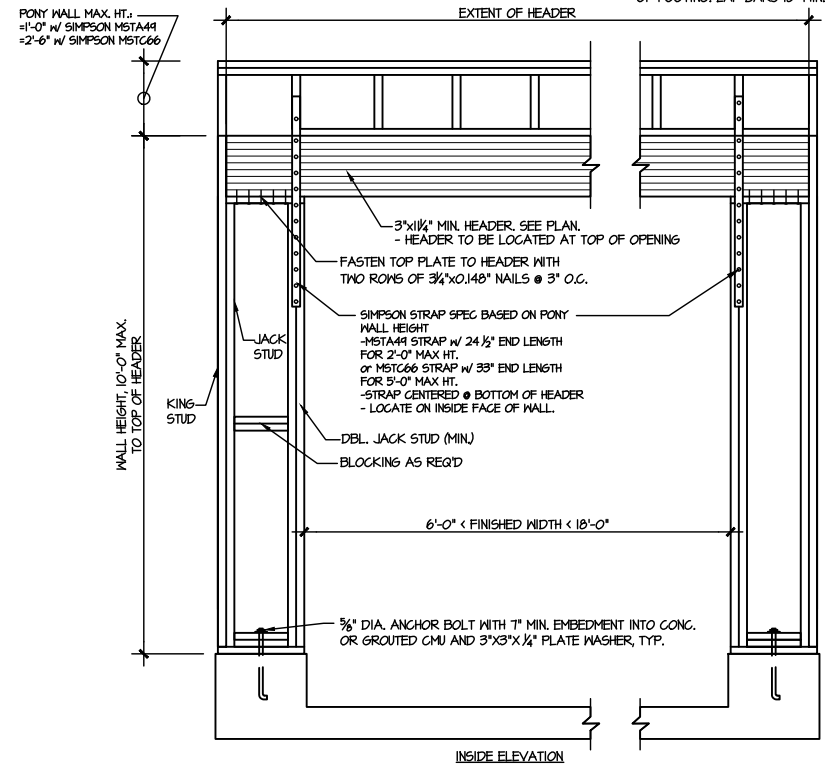
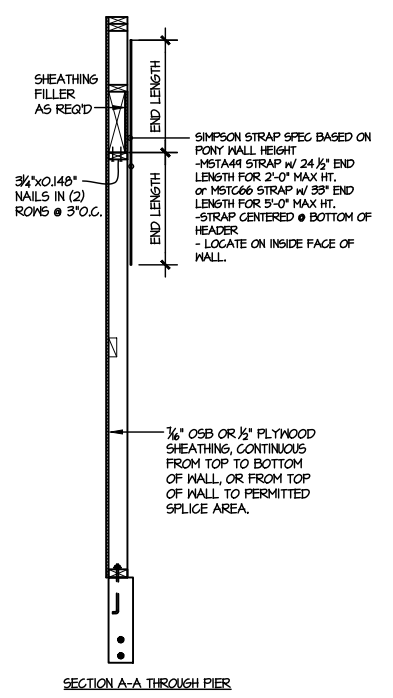
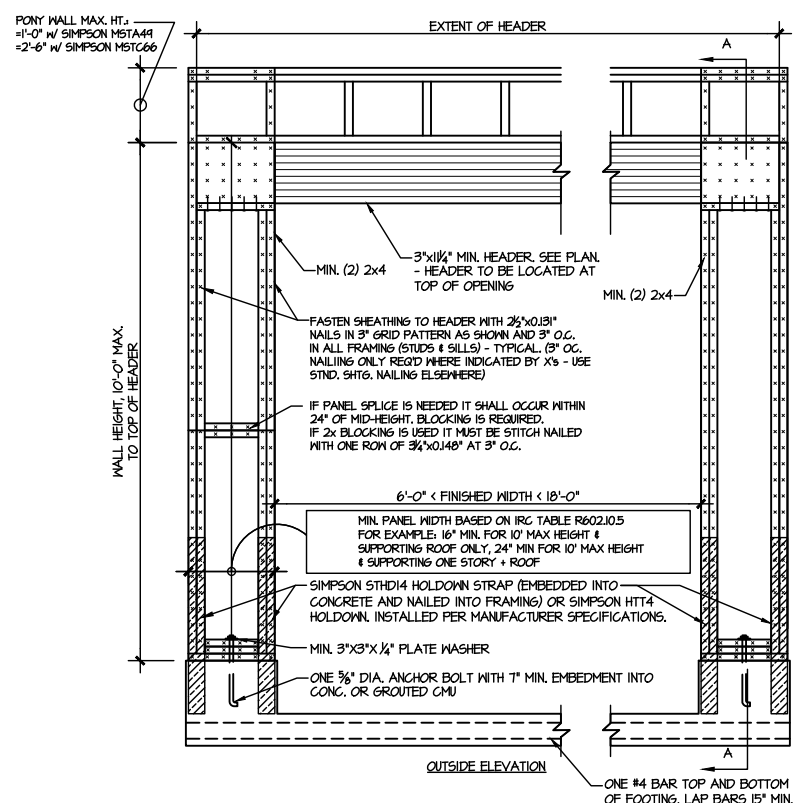
M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:



FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

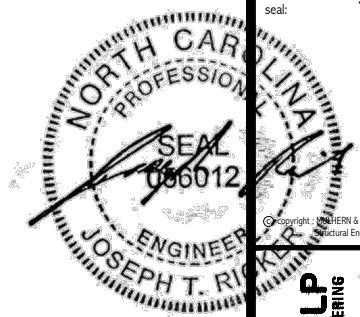
sheet:
SD2.2



1 GARAGE PORTAL FRAME BRACING ELEVATION WITH HOLD-DOWNS
SCALE: N.T.S. BOTH SIDES OF GARAGE DOOR

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.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave., Building 4 - Asheville, PA 18002
P 716-948-8881 - mulhern+kulp.com



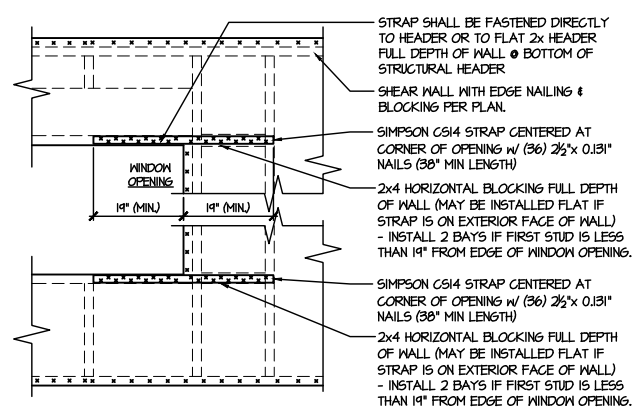
M&K project number:
126-22076
project mgr: JTR
drawn by: JAD
issue date: 07-08-24

REVISIONS:
date: initial:

DRB
HOMES

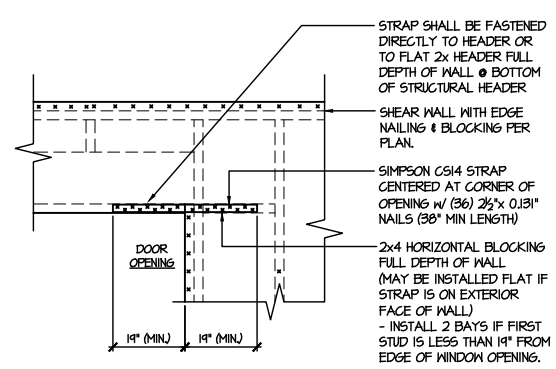
FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 196 - CALLAWAY 1
RALEIGH, NC

sheet:
SD3.0



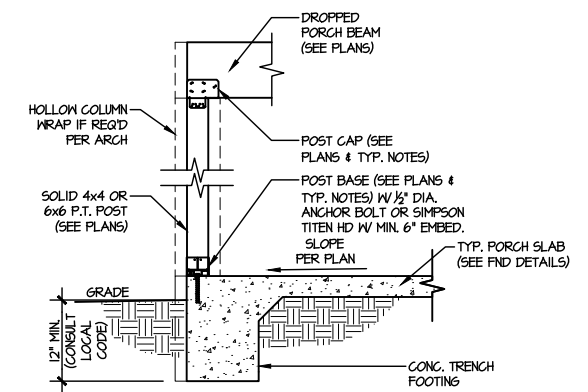
- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL
- WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2\" FROM EDGE TO ALLOW FOR WINDOW NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

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



- 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 1/2\" FROM EDGE TO ALLOW FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

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



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

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.

General Notes: ** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

Truss Connector Total List		
Manuf	Product	Qty
Simpson	THA422	5

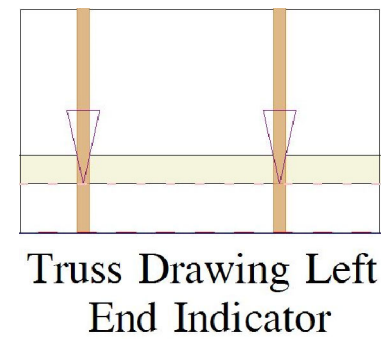
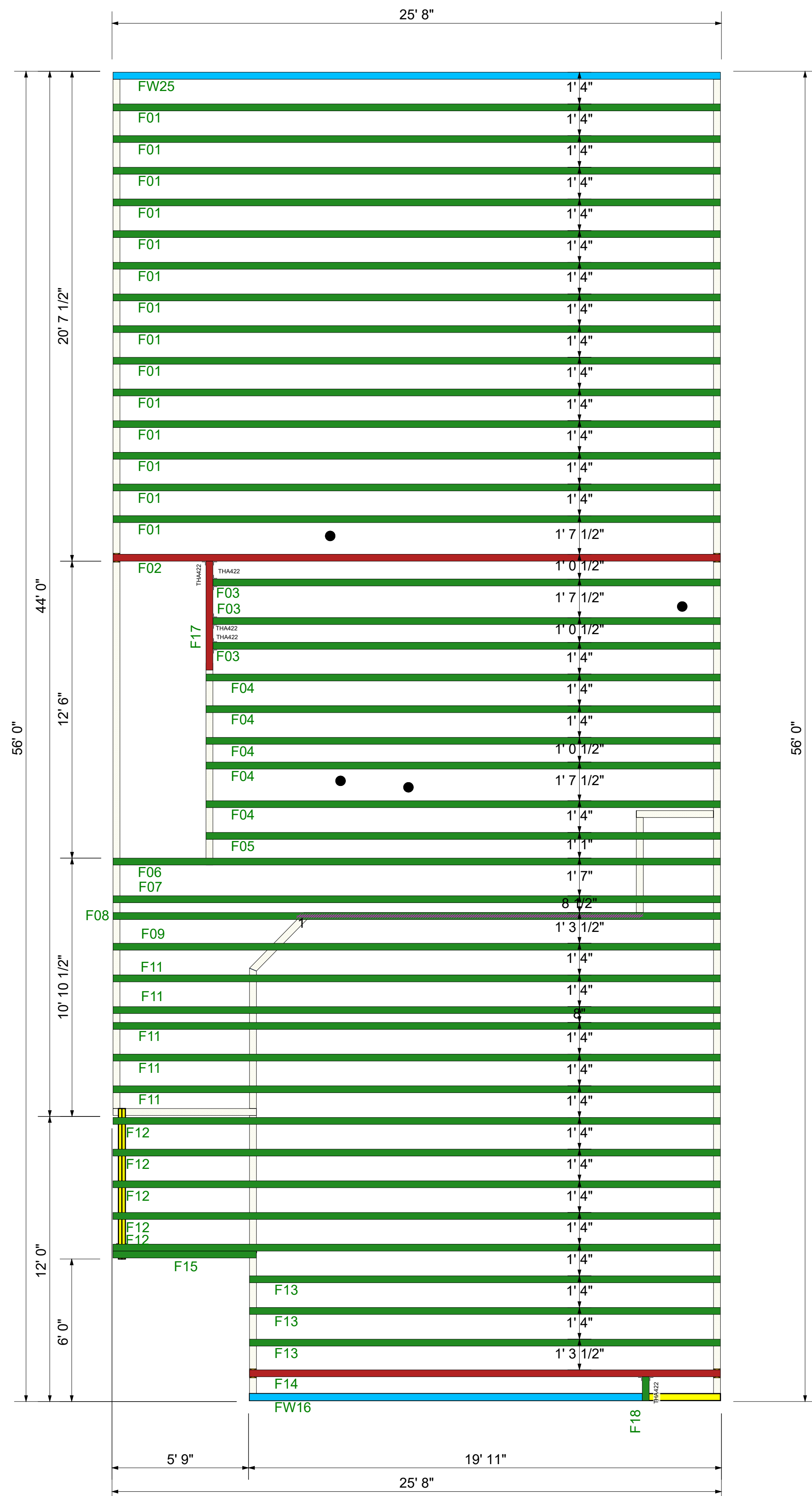
Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.



DRB HOMES
 196 Farm at Neills
 Creek-Roof-Callaway 1 BR4
 GRH
COMPONENT PLAN

Scale: NTS
 Date: 7/15/2024
 Designer: ND
 Project Number: 24060196-A
 Sheet Number:
1/1



Truss Drawing Left End Indicator

** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.

** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.

** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

General Notes: ** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION. ** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

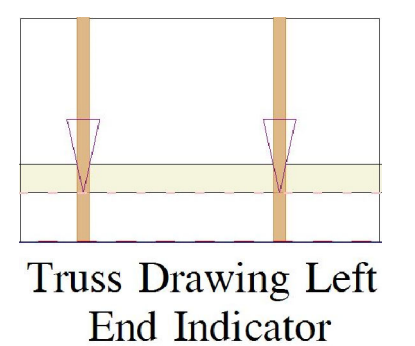
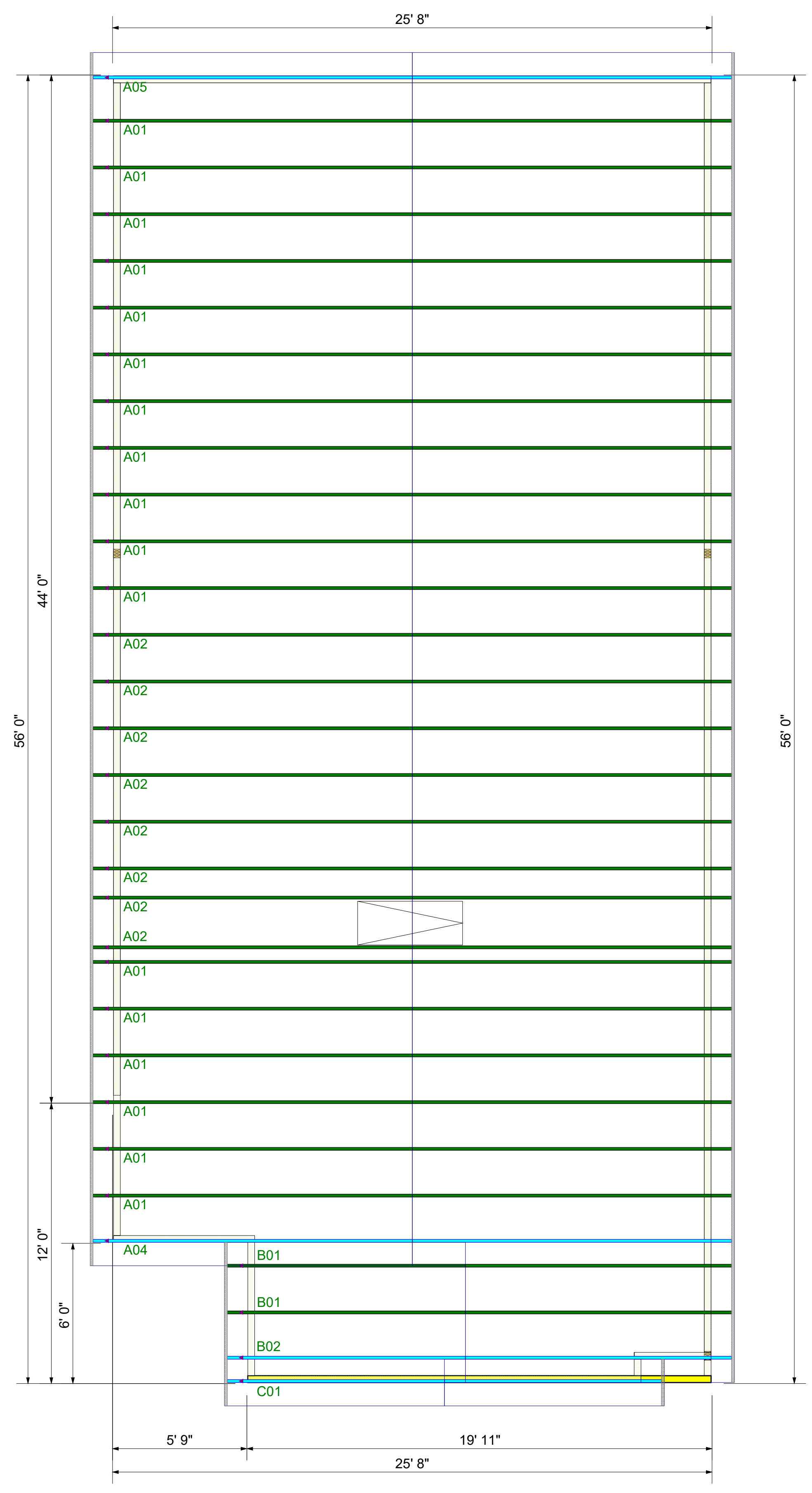
Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.



DRB HOMES
 196 Farm at Neills
 Creek-Roof-Callaway 1 BR4
 GRH
COMPONENT PLAN

Scale:	NTS
Date:	7/15/2024
Designer:	ND
Project Number:	24060196-A
Sheet Number:	1/1



** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. ** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT. ** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. ** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE. ** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS. ** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES. ** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.