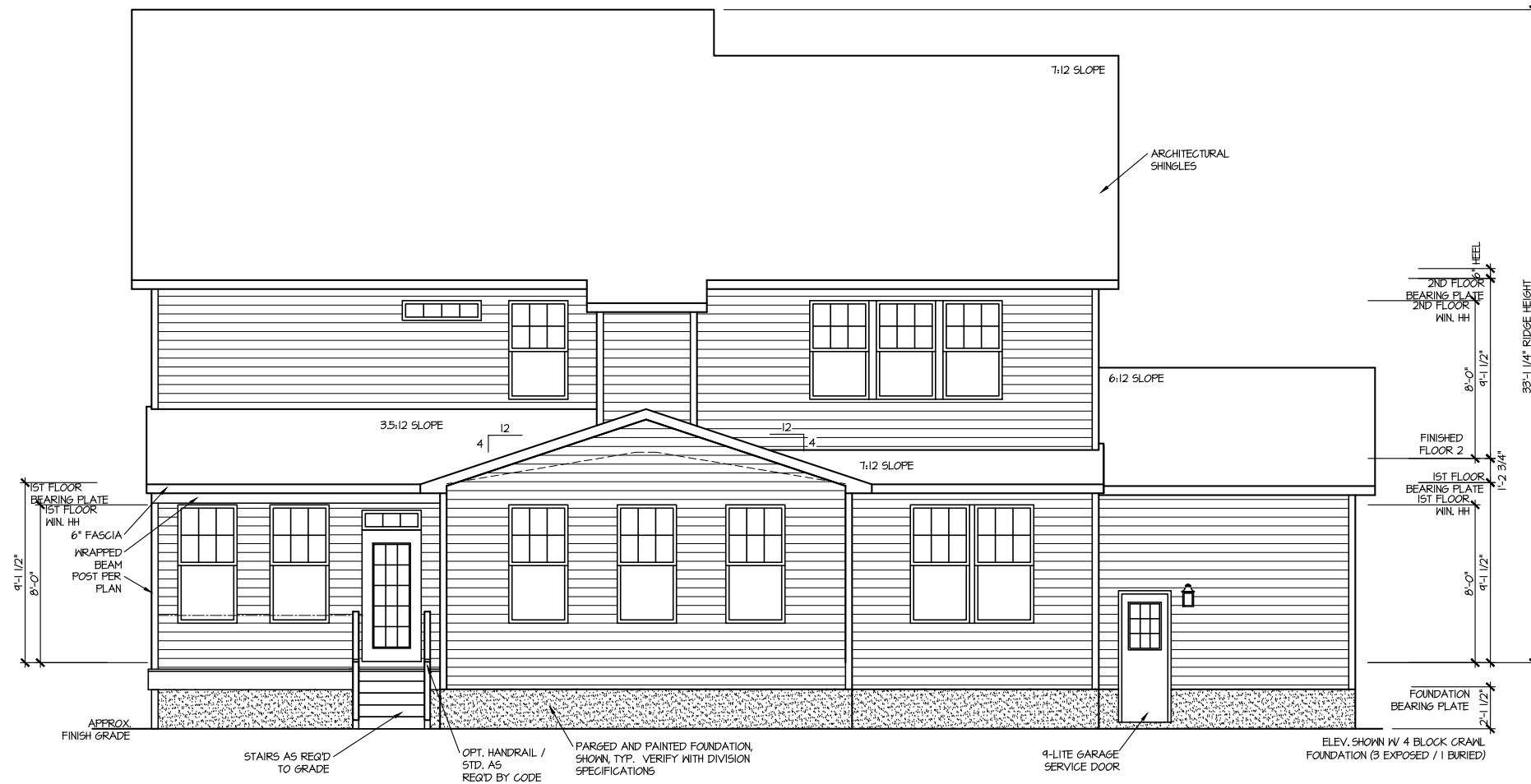




FRONT ELEVATION I
SCALE: 1/8" = 1'-0"



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

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

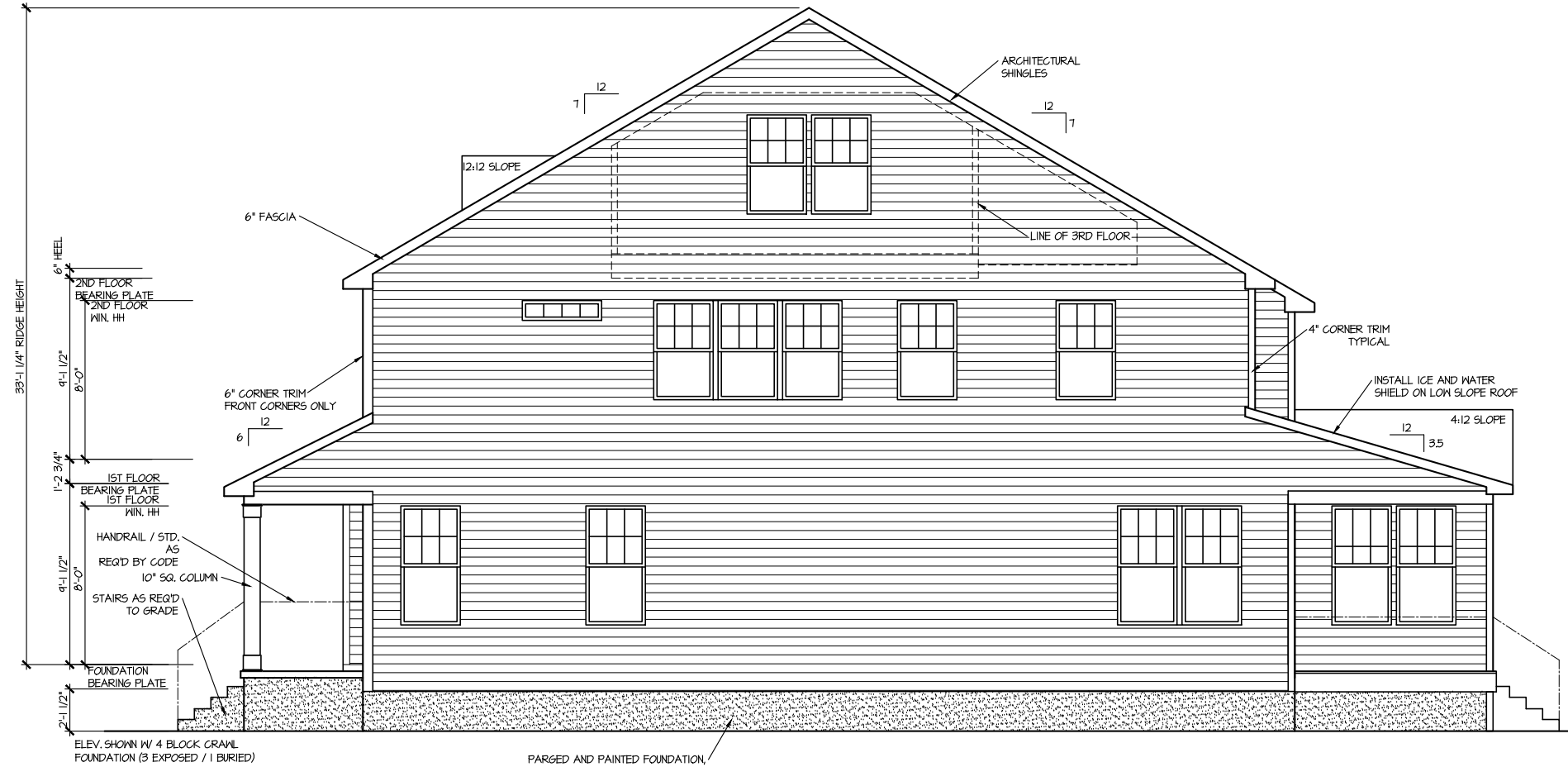
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
UPDATED DATE	09-13-2024

DRAWN BY: ITS
DATE: 01/23/2025
PLAN NO. 3656

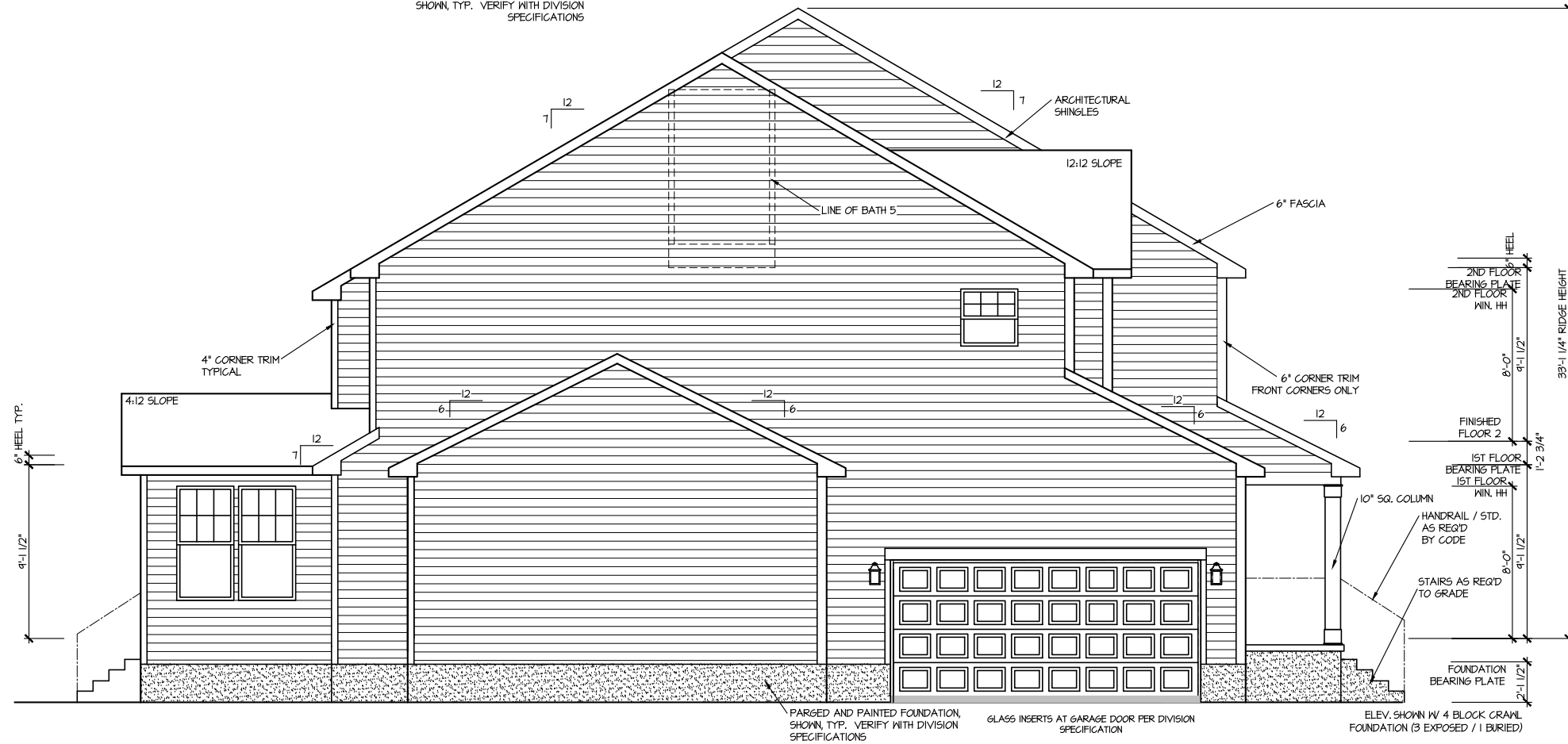


HOUSE NAME: STONEHAVEN
DRAWING TITLE: FRONT & REAR ELEVATIONS

SHEET No. A.1



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



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

FILE: Lot_00,0016.dwg DATE: 1/23/2025 12:31 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
	UPDATED DATE
	09-13-2024

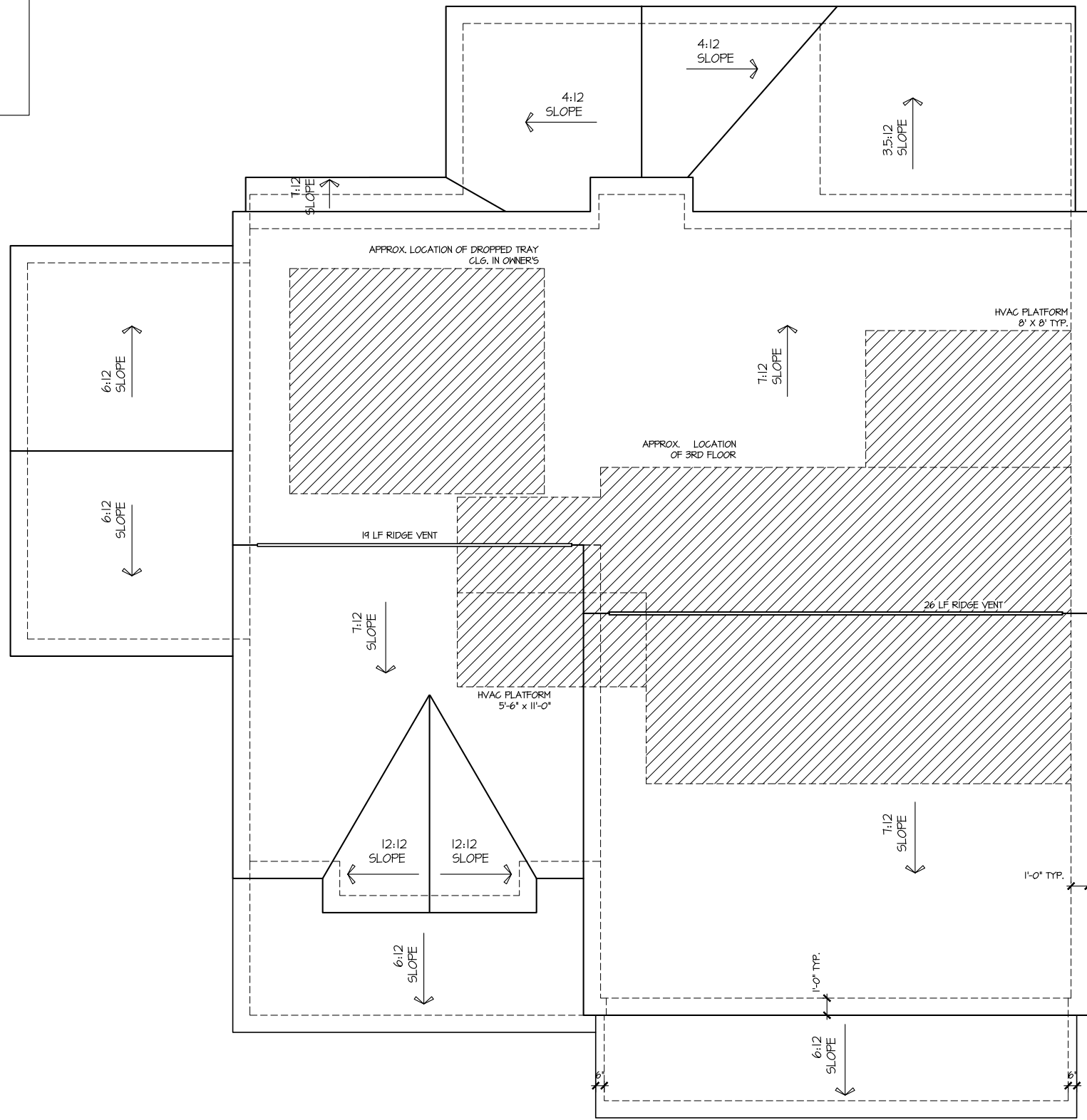
DRAWN BY: ITS
DATE: 01/23/2025
PLAN NO. 3656



HOUSE NAME: STONEHAVEN
DRAWING TITLE: RIGHT & LEFT ELEVATIONS

SHEET No. A1.2

ROOF VENTILATION CALCULATIONS:
 ROOF AREA = 241 SQ. FT.
 OVERALL REQUIRED VENTILATION:
 1 TO 50 = 14.21 SQ. FT.
 1 TO 300 = 7.14 SQ. FT.
 50-80% IN TOP THIRD = 3.51 - 5.11 SQ. FT. (1 TO 300)
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN. / LINEAR FT.
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN. LINEAR FT.
 LOWER VENTING (BOTTOM 2/3 RDS):
 86 LINEAR FEET OF SOFFIT X 5.1 SQ. IN. = 3.40 SQ. FT.
 UPPER VENTING (TOP 1/3 RDS):
 45 LINEAR FEET OF RIDGE X 10 SQ. IN. = 5.63 SQ. FT.
 5.63 SQ. FT. BETWEEN 50% - 80%
 (1 TO 300 ALLOWED)
 TOTAL ROOF VENTILATION: 4.09 SQ. FT. > 1.14 SQ. FT. (REQ'D)



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

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	09-13-2024
2-RALE	11-10-2023	

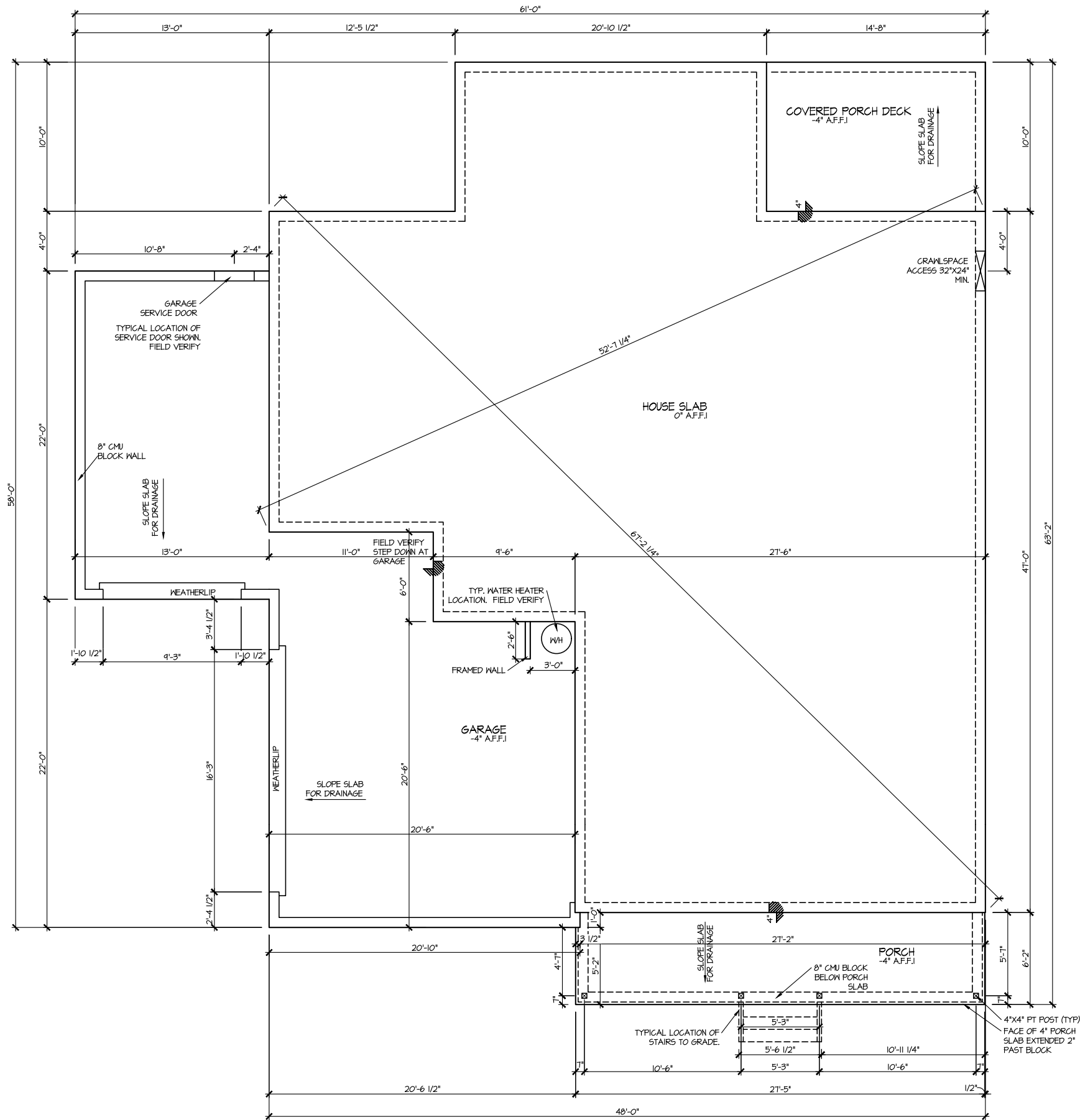
DRAWN BY: ITS
 DATE: 01/23/2025
 PLAN NO. 3656



HOUSE NAME: STONEHAVEN
 DRAWING TITLE: ROOF PLAN

SHEET No. A.3

CRAWLSPACE VENT CALCULATIONS:
 CRAWL AREA = 1124 SQ. FT.
 OVERALL REQUIRED VENTILATION:
 1 TO 50 = 18.48 SQ. FT.
 NET FREE AREA OF VENT = 62 SQ. IN PER VENT
 WITHIN AUTOMATIC VENT B-EBLACK (MB) OR EQUAL
 VENTING REQUIREMENT:
 4.87 SQ. FT / 62 SQ. IN = 215 VENTS = 28 VENTS



**ELEVATION I
 CRAWL SPACE PLAN**
 SCALE: 1/8" = 1'-0"

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

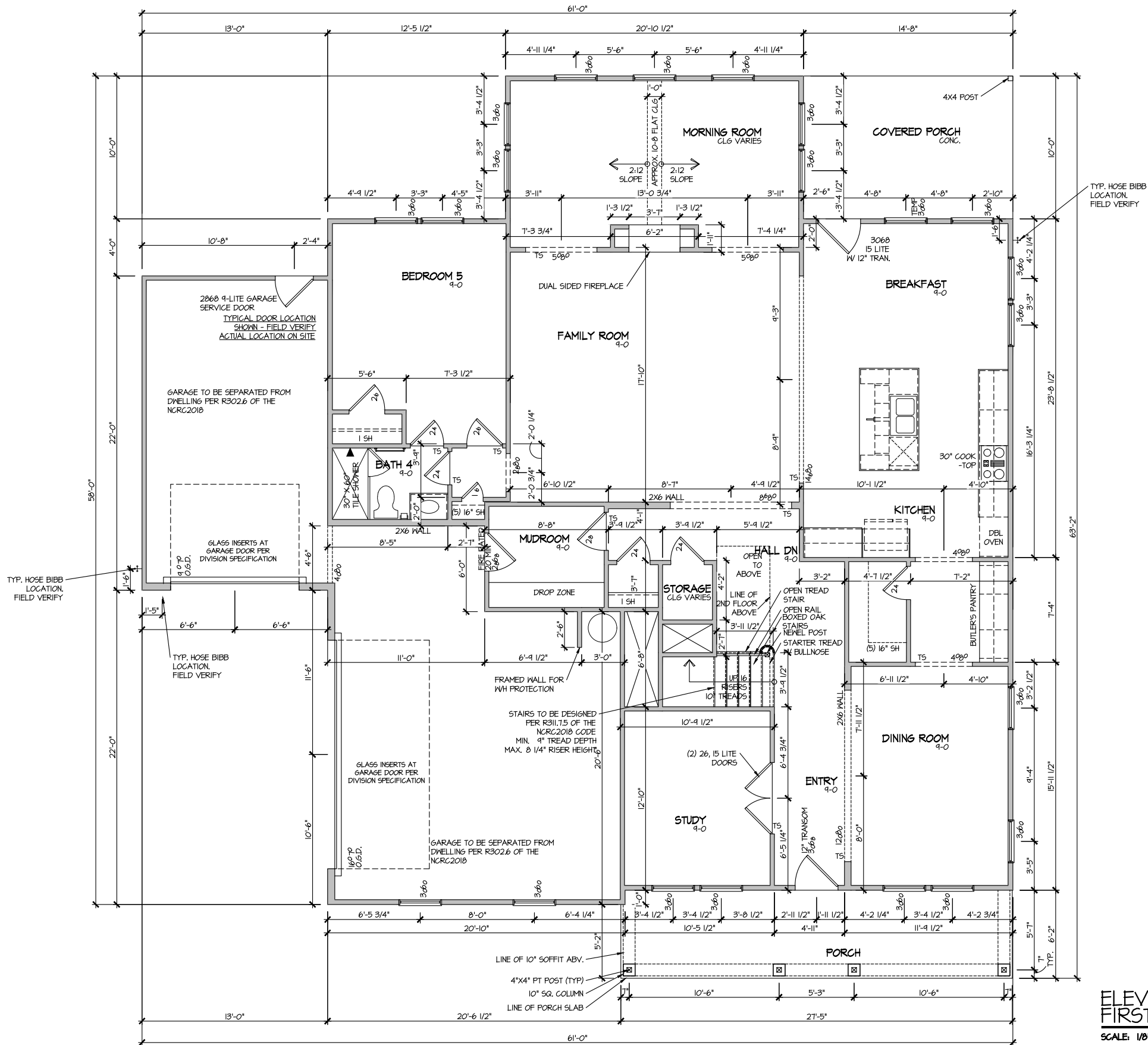
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
	UPDATED DATE
	09-13-2024

DRAWN BY: ITS
 DATE: 01/23/2025
 PLAN NO. 3656



HOUSE NAME: STONEHAVEN
 DRAWING TITLE: CRAWL SPACE PLAN

SHEET No. A2.1



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

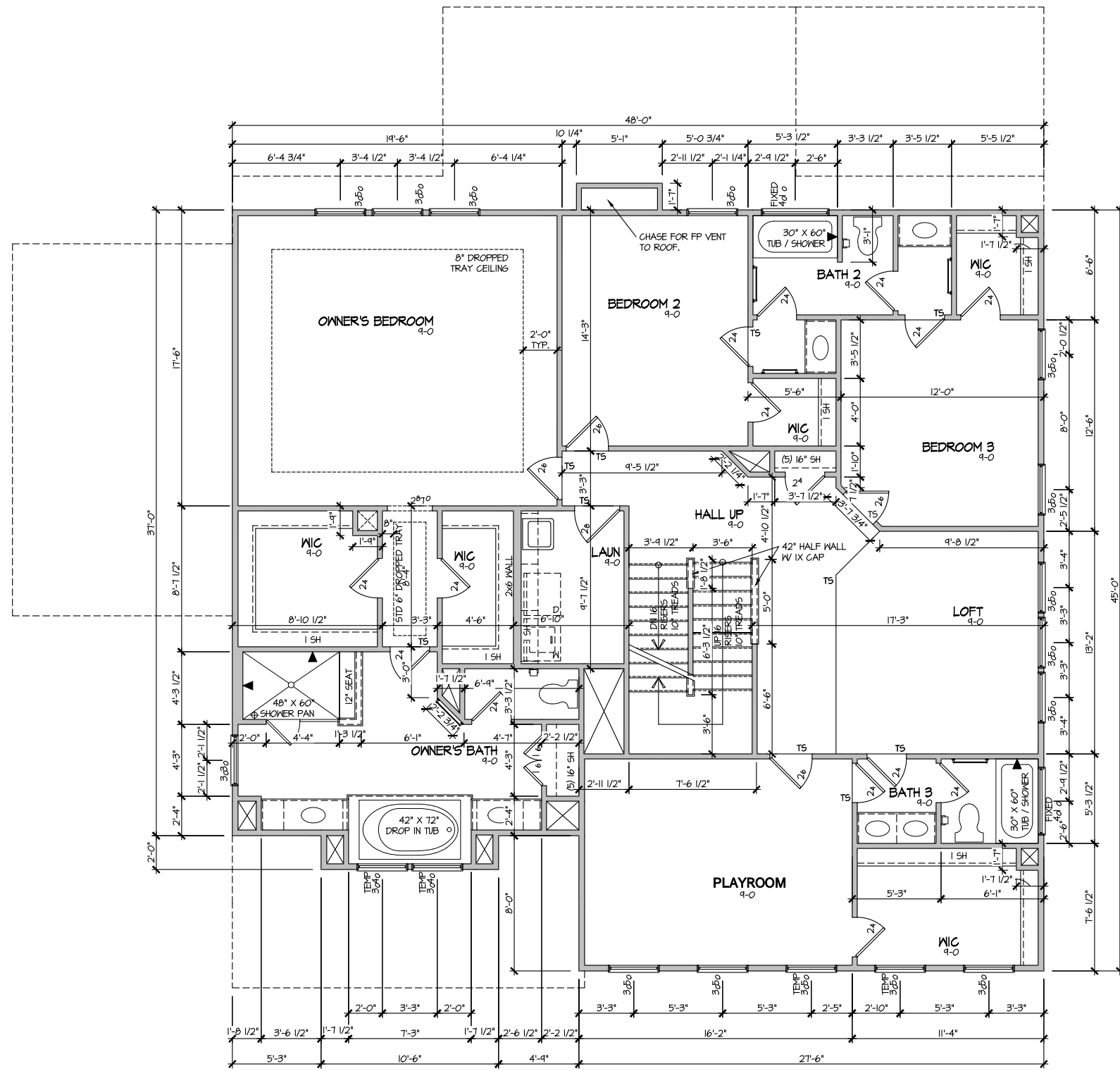
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
	UPDATED DATE
	09-13-2024

DRAWN BY: ITS
DATE: 01/23/2025
PLAN NO. 3656



HOUSE NAME: STONEHAVEN
DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. A3.1



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

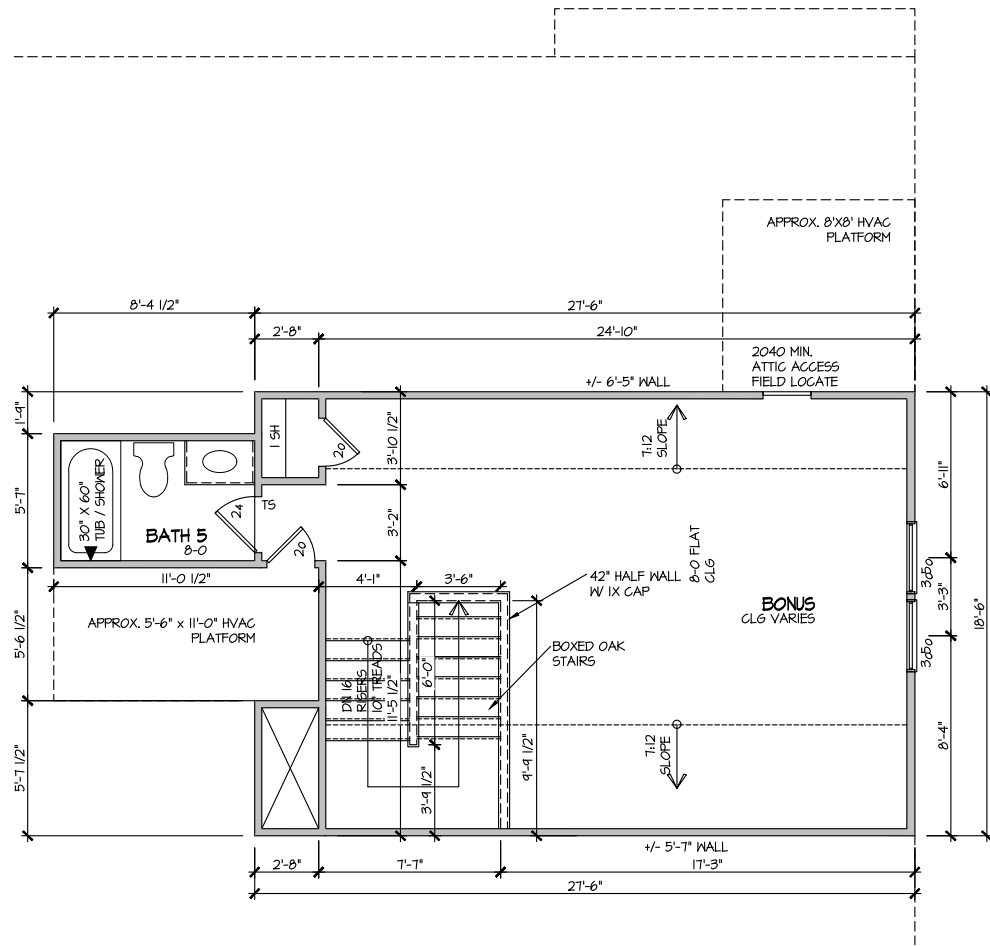
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
	UPDATED DATE
	09-13-2024

DRAWN BY:	ITS
DATE:	01/23/2025
PLAN NO.	3656



HOUSE NAME:
STONEHAVEN
DRAWING TITLE
SECOND FLOOR PLAN

SHEET No.
A3.2



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

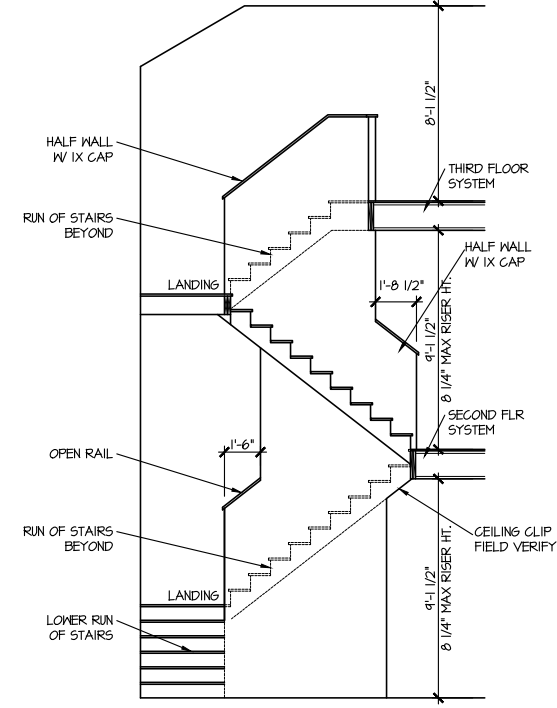
MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	
2-RALE	11-10-2023	09-13-2024

DRAWN BY: ITS
 DATE: 01/23/2025
 PLAN NO. 3656



HOUSE NAME: STONEHAVEN
 DRAWING TITLE: THIRD FLOOR PLAN

SHEET No. 33



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

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	
2-RALE	11-10-2023	09-13-2024

DRAWN BY:	ITS
DATE:	01/23/2025
PLAN NO.	3656

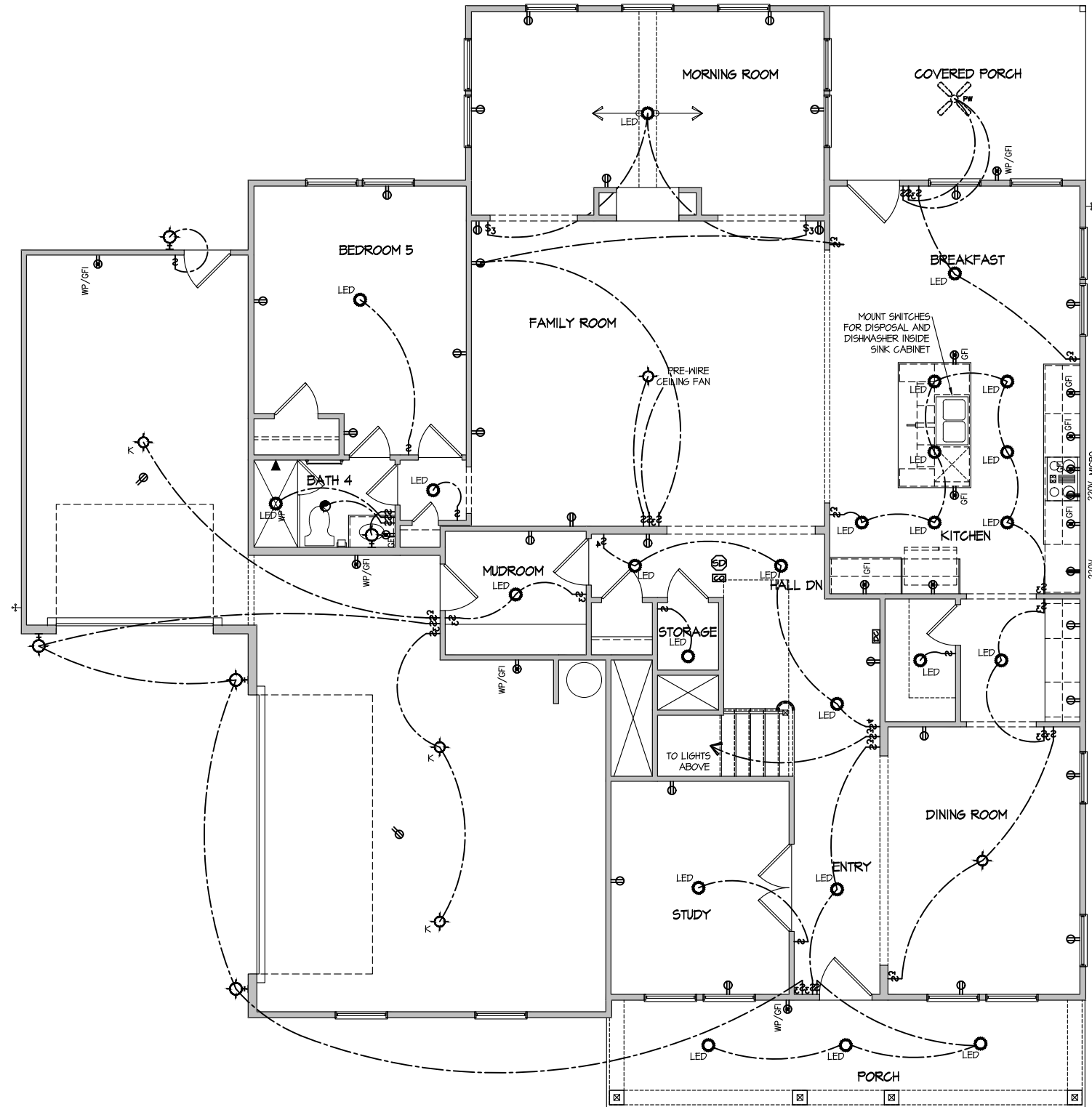


HOUSE NAME:	STONEHAVEN
DRAWING TITLE	BUILDING SECTION

SHEET No.	A4.1
-----------	------

ELECTRICAL LEGEND	
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	DUPLEX AFCI RECEPTACLE
	DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
	DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
	RECEPTACLE - 220V
	DUPLEX AFCI RECEPTACLE - GFI
	DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
	SMOKE DETECTOR - WIRED IN SERIES
	EXHAUST FAN MOTOR
	FAN LIGHT COMBO
	WATER PROOFED
	CO DETECTOR
	DOOR CHIME
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - CEILING MOUNTED
	LIGHT FIXTURE - CEILING MOUNTED LED
	LIGHT FIXTURE - LED SURFACE MOUNTED
	LIGHT FIXTURE - RECESSED CAN
	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
FIRST FLOOR - ELEV. 1
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
UPDATED DATE	09-13-2024

DRAWN BY:	ITS
DATE:	01/23/2025
PLAN NO.	3656



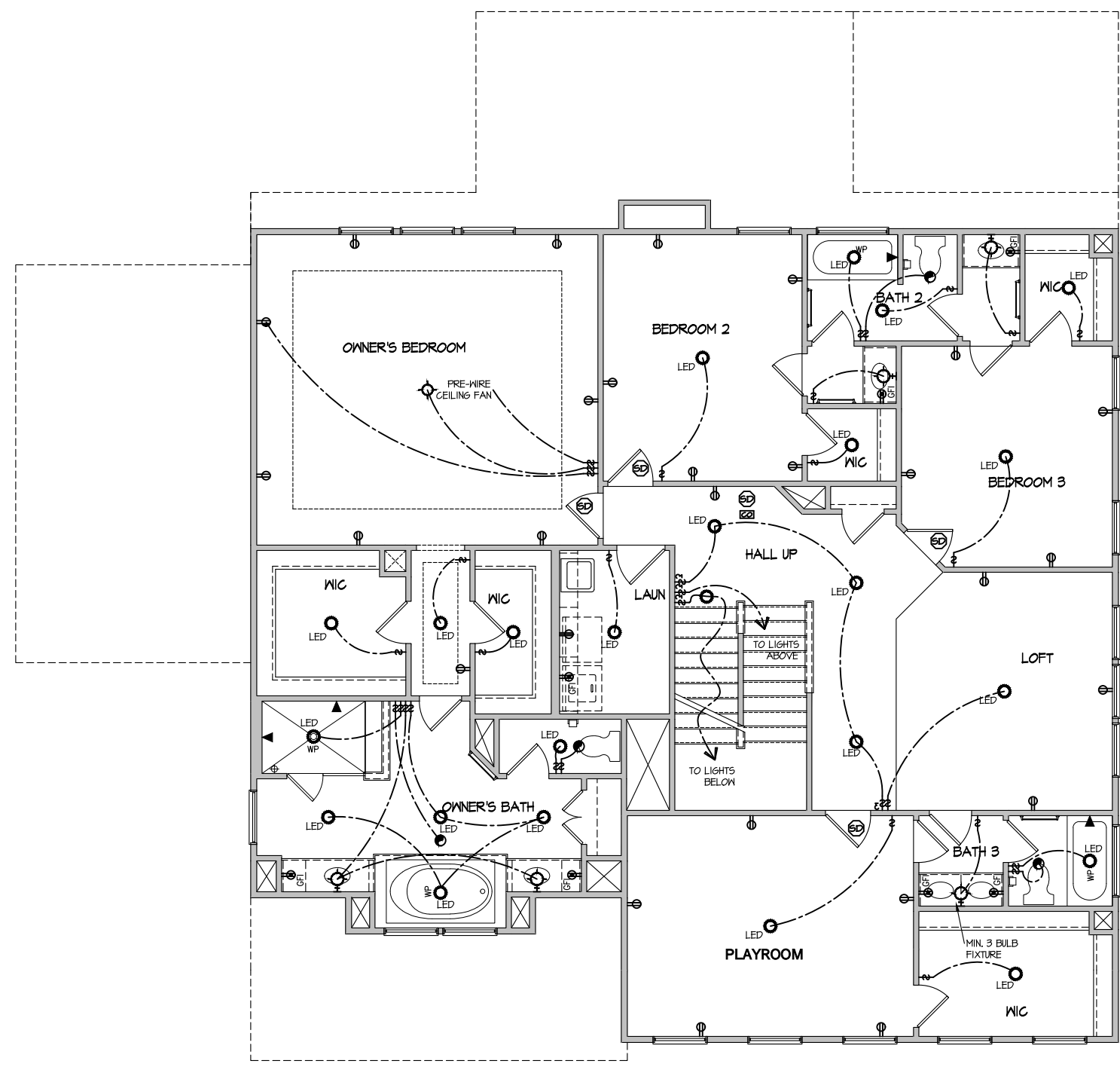
HOUSE NAME:
STONEHAVEN
DRAWING TITLE
FIRST FLOOR ELECTRICAL

SHEET No.
1

ELECTRICAL LEGEND

- ⊕ SINGLE POLE SWITCH
- ⊕₃ THREE WAY SWITCH
- ⊕₄ FOUR WAY SWITCH
- ⊖ DUPLEX AFCI RECEPTACLE
- ⊖₃ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⊖₄ DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V ⊖ RECEPTACLE - 220V
- GFI ⊖ DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI ⊖ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⊕_{ED} SMOKE DETECTOR - WIRED IN SERIES
- ⊕_{EM} EXHAUST FAN MOTOR
- ⊕_{FL} FAN LIGHT COMBO
- WP WATER PROOFED
- ⊕_{CO} CO DETECTOR
- ⊕_{DC} DOOR CHIME
- ⊕_M LIGHT FIXTURE - WALL MOUNTED
- ⊕_C LIGHT FIXTURE - CEILING MOUNTED
- ⊕_{LED} LIGHT FIXTURE - CEILING MOUNTED LED
- ⊕_{LED} LIGHT FIXTURE - LED SURFACE MOUNTED
- ⊕_{LED} LIGHT FIXTURE - RECESSED CAN
- ⊕_P PULLCHAIN LAMPHOLDER
- ⊕_K KEYLESS LAMPHOLDER
- I 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
SECOND FLOOR - ELEV. 1
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
UPDATED DATE	09-13-2024

DRAWN BY:	ITS
DATE:	01/23/2025
PLAN NO.	3656



HOUSE NAME:
STONEHAVEN

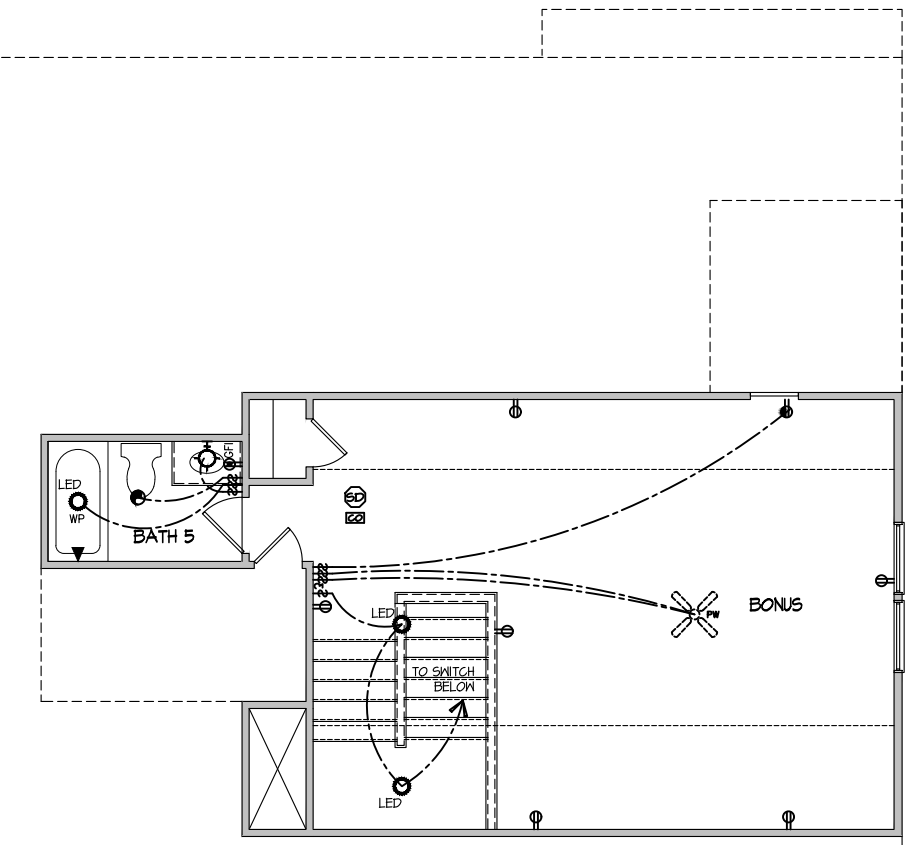
DRAWING TITLE
SECOND FLOOR ELECTRICAL

SHEET No.
1.2

ELECTRICAL LEGEND

- ⊕ SINGLE POLE SWITCH
- ⊕₃ THREE WAY SWITCH
- ⊕₄ FOUR WAY SWITCH
- ⊕-⊕ DUPLEX AFCI RECEPTACLE
- ⊕-⊕ (bottom half) DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⊕ (floor) DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V ⭕ RECEPTACLE - 220V
- GFI ⭕ DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI ⭕ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⊕ (smoke) SMOKE DETECTOR - WIRED IN SERIES
- ⊕ (fan) EXHAUST FAN MOTOR
- ⊕ (fan) FAN LIGHT COMBO
- WP WATER PROOFED
- ⊕ (CO) CO DETECTOR
- ⊕ (door) DOOR CHIME
- ⊕ (wall) LIGHT FIXTURE - WALL MOUNTED
- ⊕ (ceiling) LIGHT FIXTURE - CEILING MOUNTED
- ⊕ (ceiling) LIGHT FIXTURE - CEILING MOUNTED LED
- ⊕ (surface) LIGHT FIXTURE - LED SURFACE MOUNTED
- ⊕ (can) LIGHT FIXTURE - RECESSED CAN
- ⊕ (full) FULLCHAIN LAMPHOLDER
- ⊕ (key) 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
 THIRD FLOOR - ELEV. 1
 SCALE: 1/8" = 1'-0"

FILE: Lot_00.0016.dwg DATE: 1/23/2025 12:31 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	11-10-2023
UPDATED DATE	09-13-2024

DRAWN BY:	ITS
DATE:	01/23/2025
PLAN NO.	3656



HOUSE NAME:	STONEHAVEN
DRAWING TITLE	THIRD FLOOR ELECTRICAL

SHEET No.	11
-----------	----

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

Table with 3 columns: DESCRIPTION OF BLDG. ELEMENT, 3"x0.131" NAILS, and 3"x0.120" NAILS. Rows include JOIST TO SOLE PLATE, SOLE PLATE TO JOIST/BLK'G, STUD TO SOLE PLATE, etc.

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO; FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS.

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/FLASH BEAMS DO NOT EXCEED THE FOLLOWING:

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

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.
REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.
EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS)

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA.
AT I-JOIST FLOORS, PROVIDE 1/8" MIN. OSB RIM BOARD.
METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.

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.
ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 1-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

VENEER LINTEL SCHEDULE

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

ALL LINTELS SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40 PSF MAXIMUM HEIGHT.
< 16" SHALL HAVE 4" MIN. BEARING
< 16" SHALL NOT BE FASTENED BACK TO HEADER

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

- THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NC5BC:RC
THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NC5BC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY.
DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NC5BC: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 1/32" PLYWOOD: FASTEN SHEATHING W/ 2 3/8" X 0.131" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD.
HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.

BLOCKED PANEL EDGES

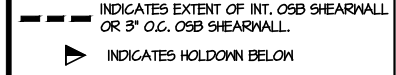
- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/8" X 0.131" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (3/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

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 UNASSUPPORTED 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, U.N.O.
ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.



GENERAL STRUCTURAL NOTES

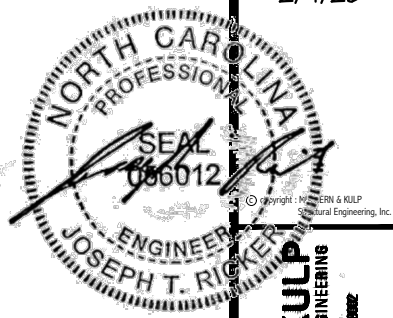
FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED.
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)

HOLD-DOWN SCHEDULE

Table with 2 columns: SYMBOL, SPECIFICATION. Rows include HD-1 SIMPSON HTT4 HOLD-DOWN, HD-2 SIMPSON MSTC66 STRAP TIE, HD-3 SIMPSON STHD14/14RJ HOLD-DOWN.

ALTERNATIVE TO S6TB24 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" OF EDGE OF FOUNDATION.



MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 300 Danville Ave., Building 4 - Ashboro, PA 27802



M&K project number: 126-24045 project mgr: JTR

drawn by: JAD issue date: 02-04-25 REVISIONS:



STRUCTURAL NOTES CAMPBELL RIDGE LOT 16 - STONEHAVEN 1 RALEIGH, NC



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dismal Ave, Building 4 - Durham, PA 19022
P: 215-998-5281 - mulhern+kulp.com
NC LICENSE #C-3825



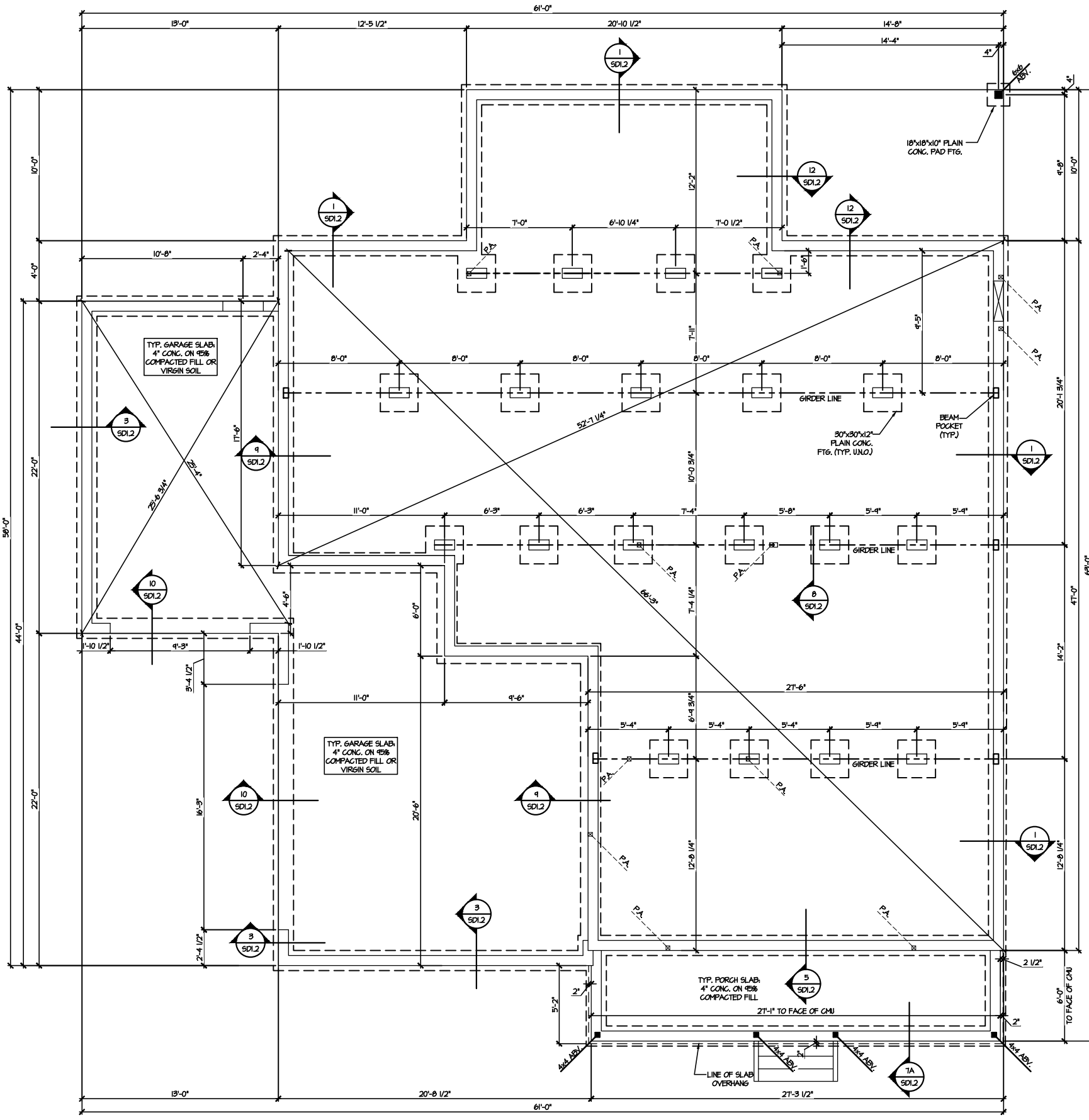
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:



FOUNDATION PLANS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

Sheet:
S1.0

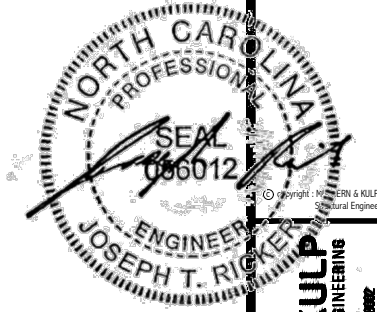


1 CRAWL SPACE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

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.

**REFER TO 50.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES**



MULHERN+KULP
 RESIDENTIAL STRUCTURAL ENGINEERING
 300 Dismalside Ave, Building 4 - Ashter, PA 15822
 P: 717-598-5281 • m+kulps.com
 NC LICENSE #C-3825



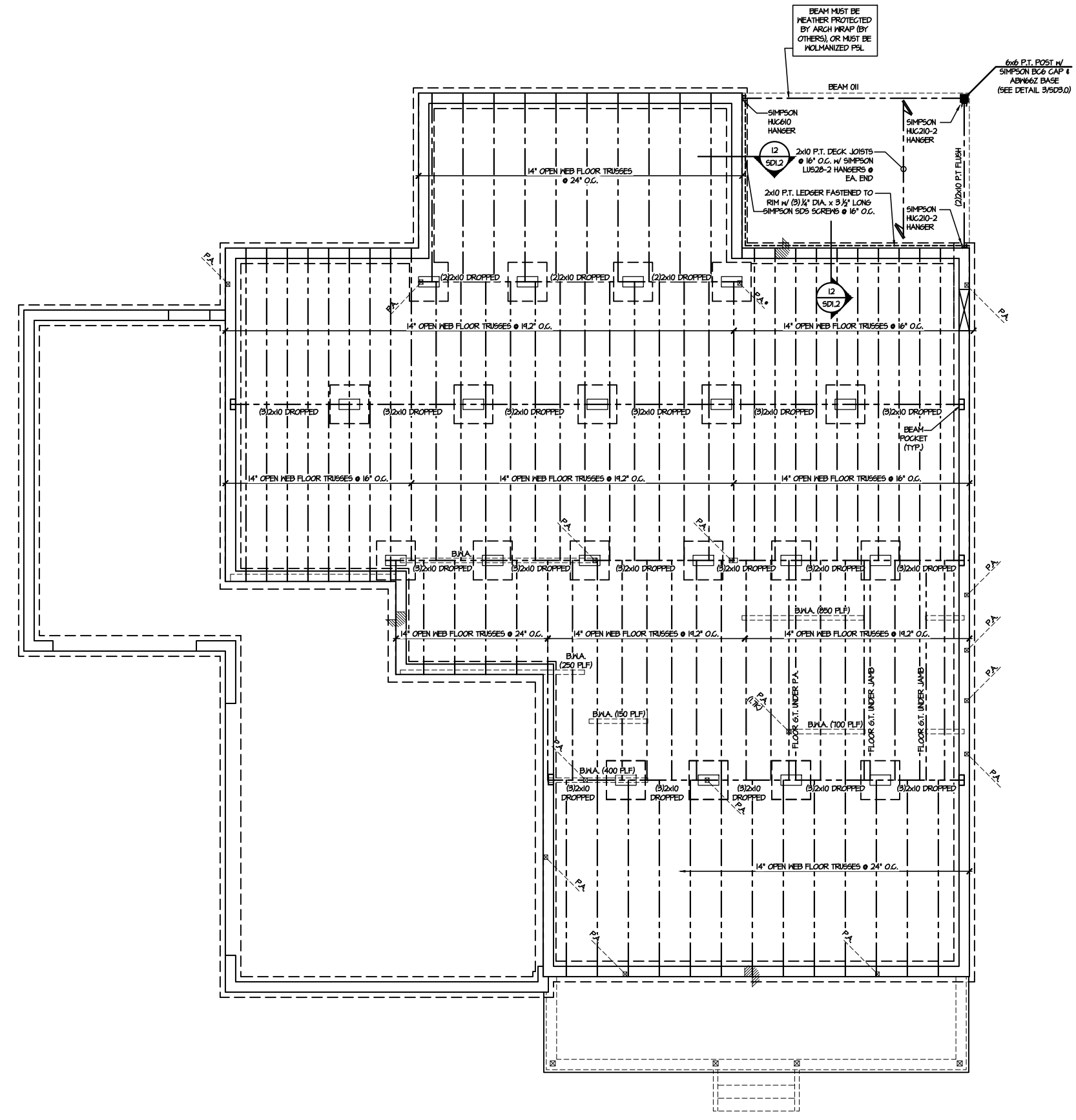
M&K project number:
 126-24045
 project mgr: JTR
 drawn by: JAD
 issue date: 02-04-25

REVISIONS:



FRAMING PLANS
 CAMPBELL RIDGE
 LOT 16 - STONEHAVEN 1
 RALEIGH, NC

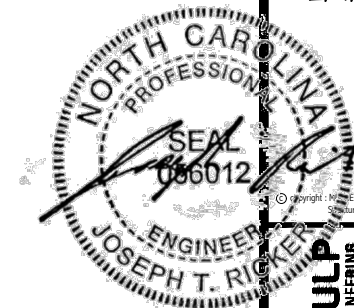
sheet:
S1.1



FIRST FLOOR 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 50.0 FOR
 TYPICAL STRUCTURAL NOTES
 & SCHEDULES



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Danville Ave., Building 4 - Asheville, PA 28802
P: 252.598.5281 - mulhern+kulp.com
NC LICENSE #C-3825

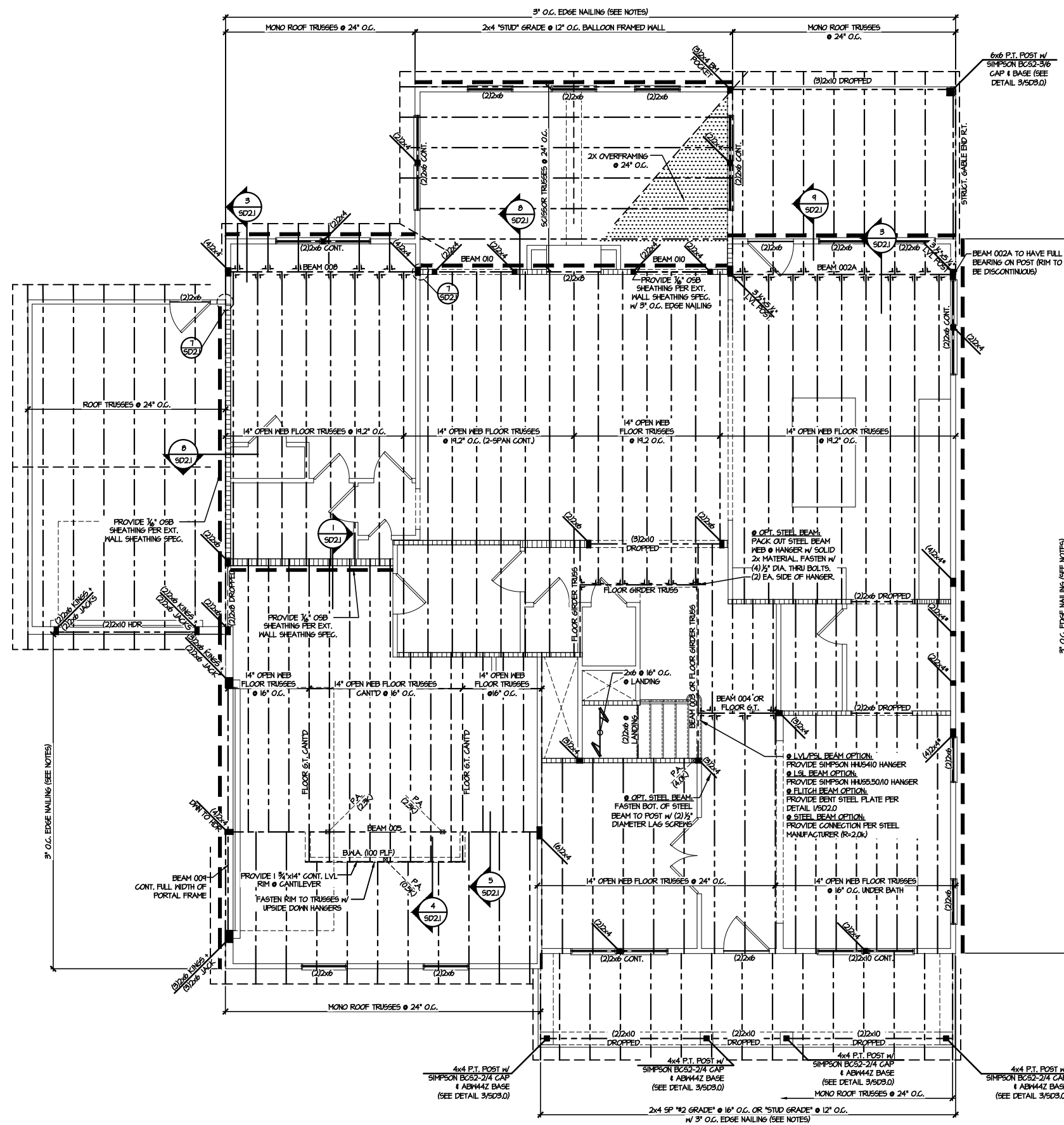
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:



FLOOR FRAMING PLANS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

Sheet:
S2.0



ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4" x 1 1/4" - F	3/4" x 1 1/4" - F	N/A	(2) 2x10 + (1) 1/2" x 1/4" STEEL FLITCH PLATES - F	M2x10 - F
002	(2) 3/4" x 10" - FB	3/4" x 10" - FB	N/A	(2) 2x12 + (1) 1" x 1/4" STEEL FLITCH PLATES - F	M12x10 - F
002A	(3) 3/4" x 16" - FB	3/4" x 16" - FB	N/A	(3) 2x12 + (2) 1/2" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F
003	(2) 3/4" x 14" - F	3/4" x 14" - F	(2) 3/4" x 14" - F	(2) 2x12 + (1) 1/2" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F
004	(2) 3/4" x 14" - F	3/4" x 14" - F	(3) 3/4" x 14" - F	(2) 2x12 + (1) 3/8" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F
005	(4) 3/4" x 10" - D	7" x 10" - D	N/A	(4) 2x12 + (3) 3/8" x 1/4" STEEL FLITCH PLATES - D	M12x30 - D
006	(2) 3/4" x 11 1/2" - H	3/4" x 11 1/2" - H	(3) 3/4" x 11 1/2" - H	N/A	N/A
007	(2) 3/4" x 14" - H	3/4" x 14" - H	(3) 3/4" x 14" - H	(2) 2x12 + (1) 3/8" x 1/4" STEEL FLITCH PLATES - H	N/A
008	(3) 3/4" x 14" - F	3/4" x 14" - F	N/A	(3) 2x10 + (2) 1/2" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F
009	(3) 3/4" x 10" - H	3/4" x 10" - H	N/A	(3) 2x12 + (2) 1/2" x 1/4" STEEL FLITCH PLATES - H	N/A
010	(2) 3/4" x 14" - H	3/4" x 14" - H	(2) 3/4" x 14" - H	(2) 2x10 + (1) 1/2" x 1/4" STEEL FLITCH PLATES - H	M2x10 - H
011	(3) 3/4" x 14" - F	3/4" x 14" - F	(3) 3/4" x 14" - F	(3) 2x10 + (2) 1/2" x 1/4" STEEL FLITCH PLATES - F	M2x10 - F
012	(4) 3/4" x 11 1/2" - D	7" x 11 1/2" - D	N/A	(4) 2x12 + (3) 1/2" x 1/4" STEEL FLITCH PLATES - D	M12x14 - D
013	(3) 3/4" x 16" - FT	3/4" x 16" - FT	N/A	(3) 2x12 + (2) 1/2" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F
014	(2) 3/4" x 14" - F	3/4" x 14" - F	(3) 3/4" x 14" - F	(2) 2x12 + (1) 3/8" x 1/4" STEEL FLITCH PLATES - F	M12x14 - F

- 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.

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
	METAL HANGER
	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR LAMB ABOVE.
	INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

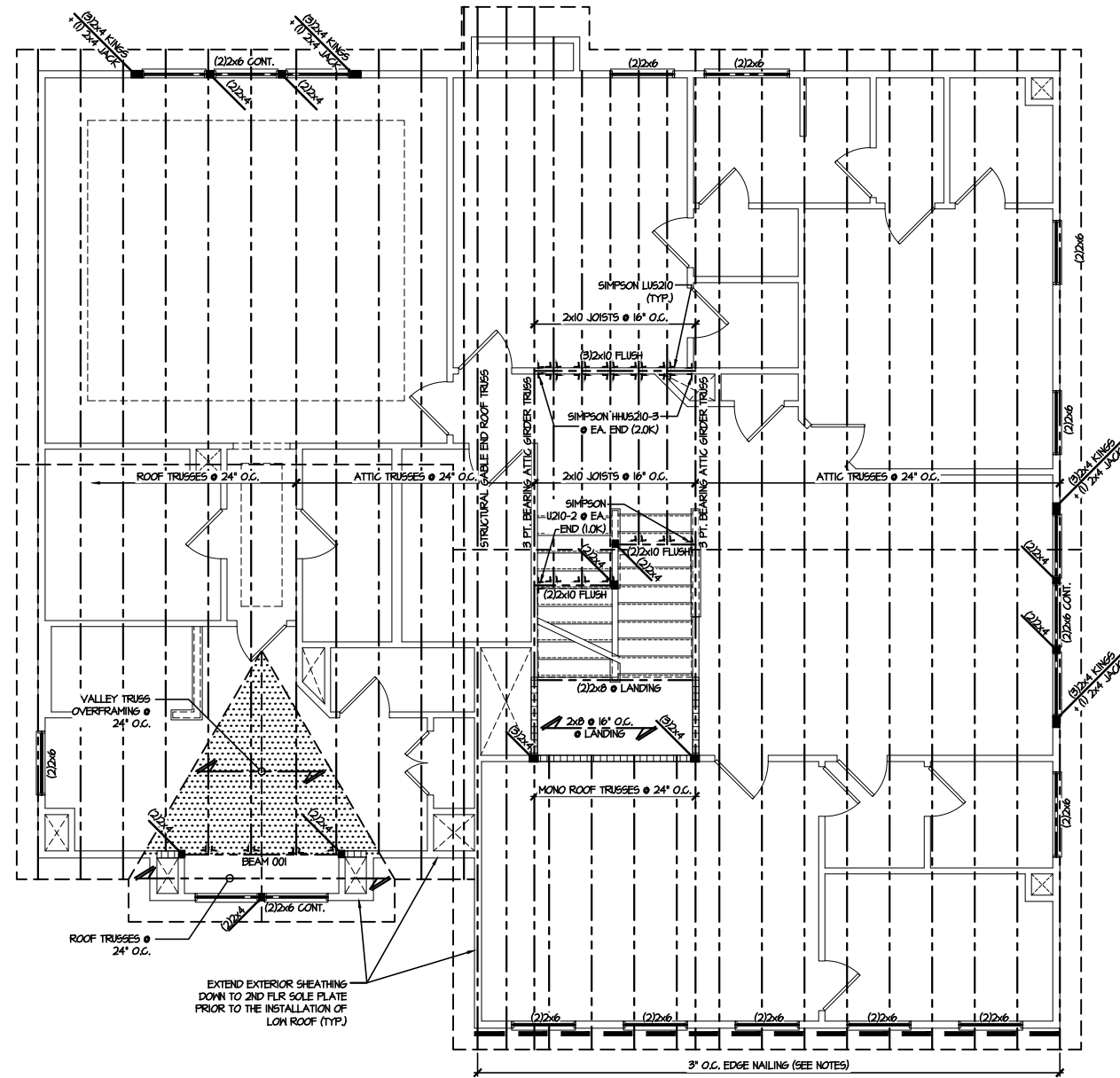
REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x1 1/4" - F	3/2"x1 1/4" - F	N/A	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - F	M6x10 - F
002	(2)3/4"x10" - FB	3/2"x10" - FB	N/A	(2)2x12 + (1) 1"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
002A	(3)3/4"x16" - FB	5/4"x16" - FB	N/A	(3)2x12 + (2) 1/2"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
003	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
004	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
005	(4)3/4"x16" - D	7"x16" - D	N/A	(4)2x12 + (3) 3/8"x1/2" STEEL FLITCH PLATES - D	M12x20 - D
006	(2)3/4"x11 1/8" - H	3/2"x11 1/8" - H	(3)3/4"x11 1/8" - H	N/A	N/A
007	(2)3/4"x14" - H	3/2"x14" - H	(3)3/4"x14" - H	(2)2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - H	N/A
008	(3)3/4"x14" - F	5/4"x14" - F	N/A	(3)2x10 + (2) 1/2"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
009	(3)3/4"x18" - H	5/4"x18" - H	N/A	(3)2x12 + (2) 1/2"x1/2" STEEL FLITCH PLATES - H	N/A
010	(2)3/4"x9" - H	3/2"x9" - H	(2)3/4"x9" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	M6x10 - H
011	(3)3/4"x9" - F	5/4"x9" - F	(3)3/4"x9" - F	(3)2x10 + (2) 1/2"x1/2" STEEL FLITCH PLATES - F	M6x10 - F
012	(4)3/4"x11 1/8" - D	7"x11 1/8" - D	N/A	(4)2x12 + (3) 3/8"x1/2" STEEL FLITCH PLATES - D	M12x14 - D
013	(3)3/4"x16" - FT	5/4"x16" - FT	N/A	(3)2x12 + (2) 1/2"x1/2" STEEL FLITCH PLATES - F	M12x14 - F
014	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/8"x1/2" STEEL FLITCH PLATES - F	M12x14 - F

- 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.

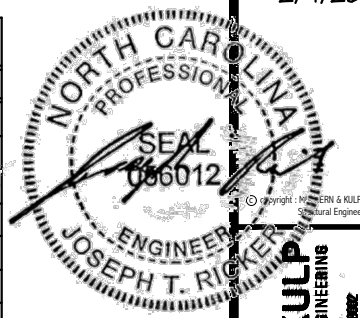


THIRD FLOOR/LOW ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

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
	M L 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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Danville Ave., Building 4 - Anahim, PA 17022
P: 717-598-5281 - mulhern+kulp.com
NC LICENSE #C-3825

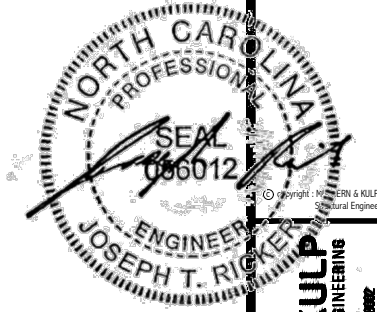
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:



FLOOR FRAMING PLANS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

sheet: **S3.0**



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave, Building 4 - Anahim, PA 15002
P 724-598-5281 - mulhernkulp.com
NC LICENSE #C-3825



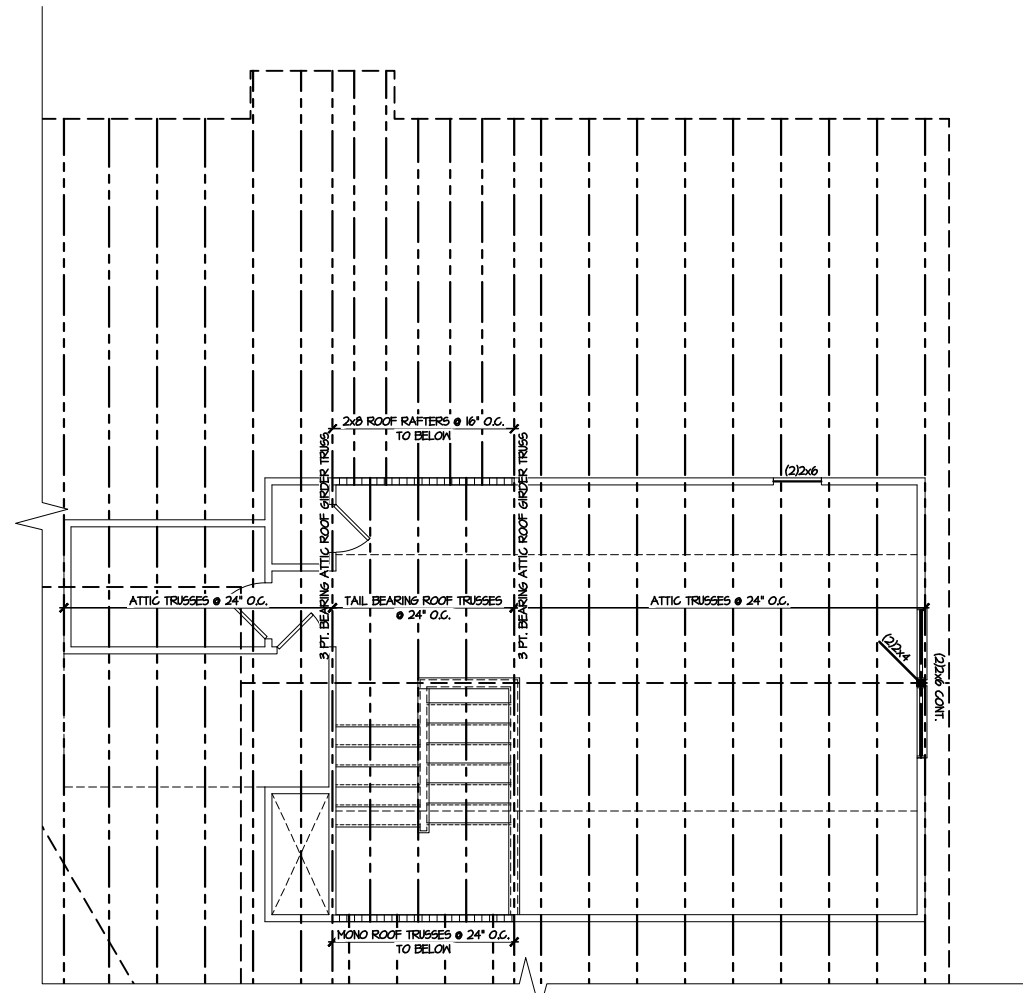
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:



ROOF FRAMING PLANS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

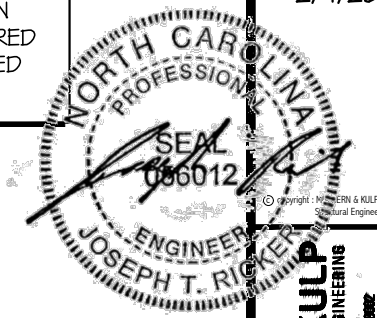
sheet:
S4.0



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

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

REFER TO S0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave., Building 4 - Asheville, PA 18002
P: 252-598-5201 - mulhern+kulp.com
NC LICENSE #C-3825

M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:

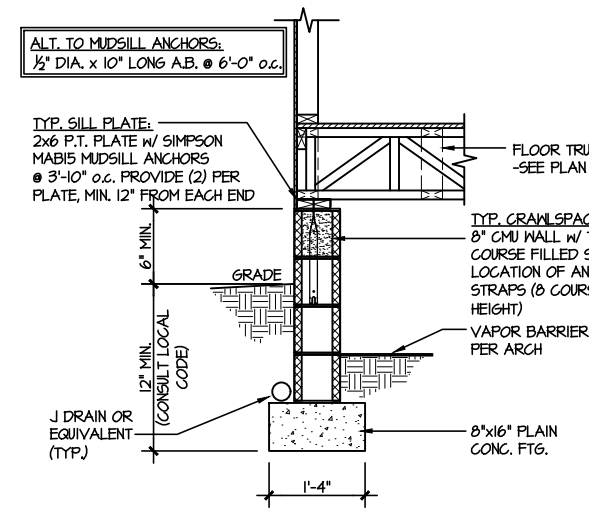


FOUNDATION DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

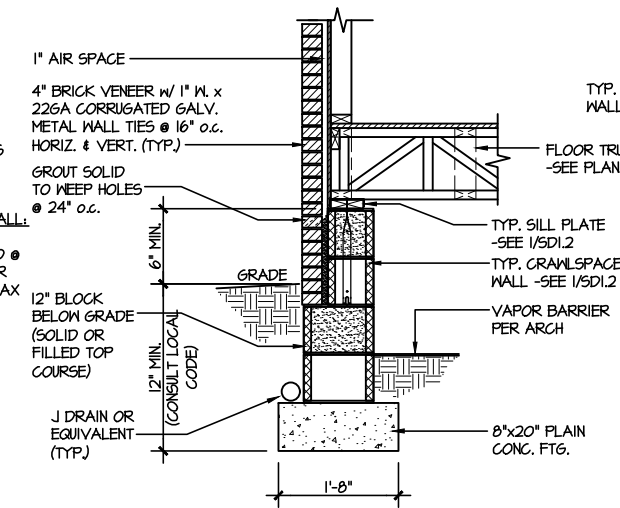
sheet:
SD1.2

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

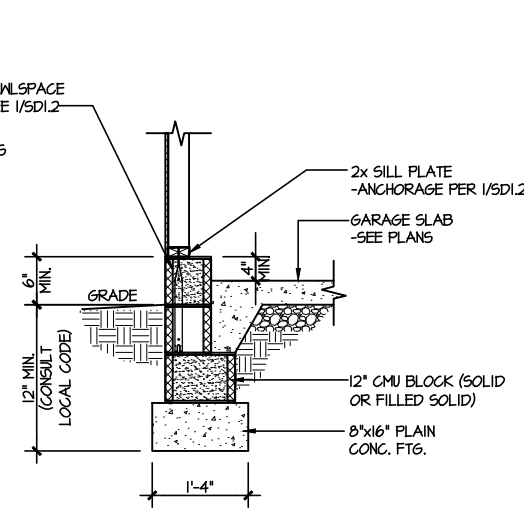
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



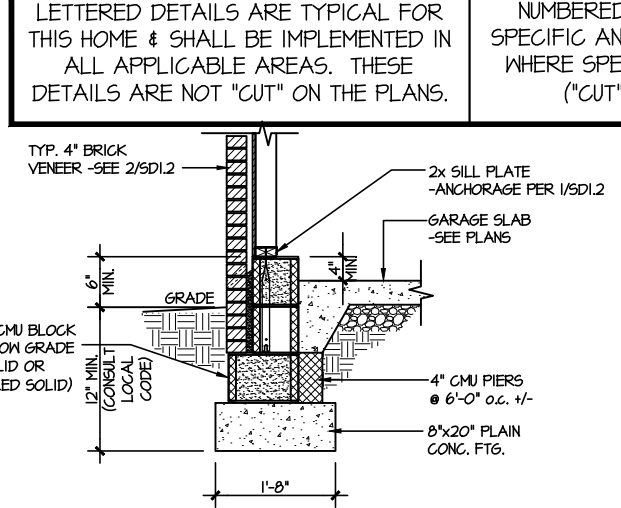
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8\"/>



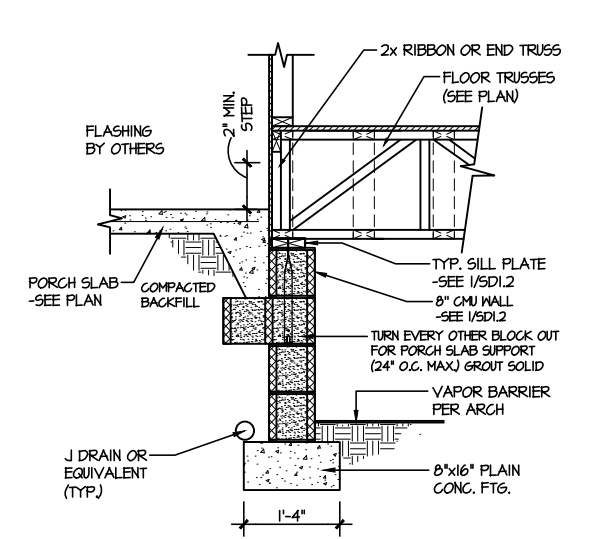
2 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8\"/>



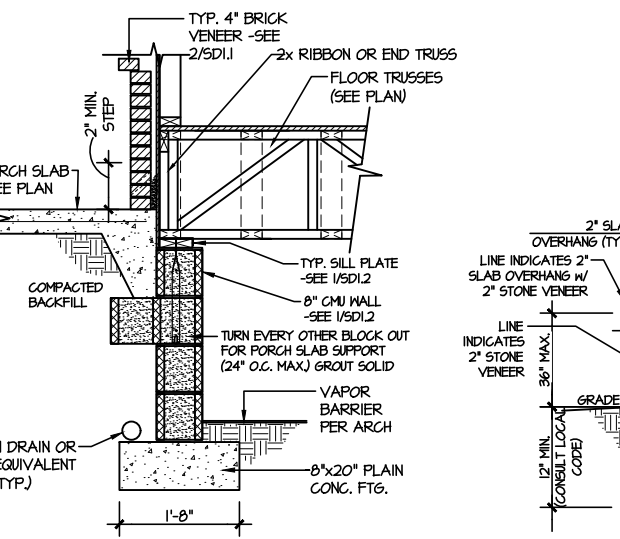
3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8\"/>



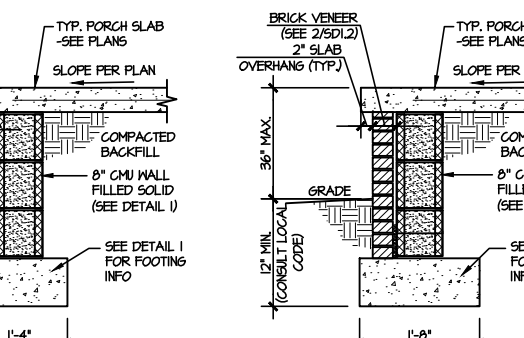
4 TYPICAL GARAGE FOUNDATION
SCALE: 3/8\"/>



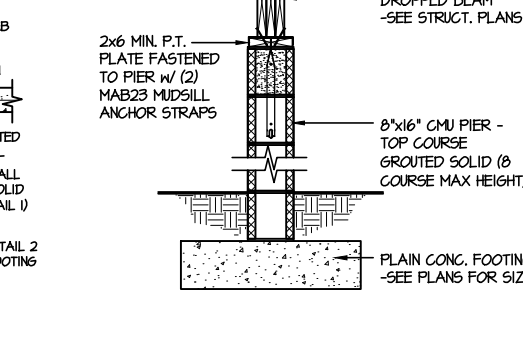
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8\"/>



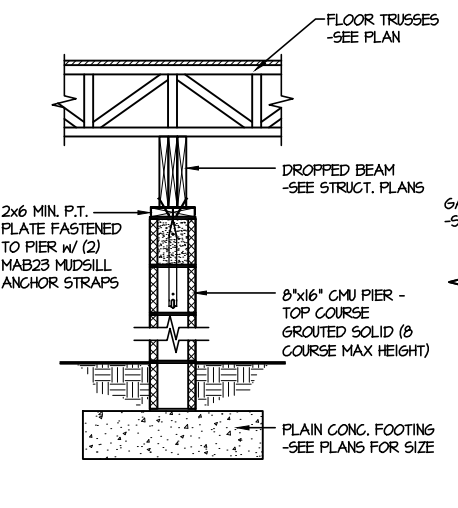
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8\"/>



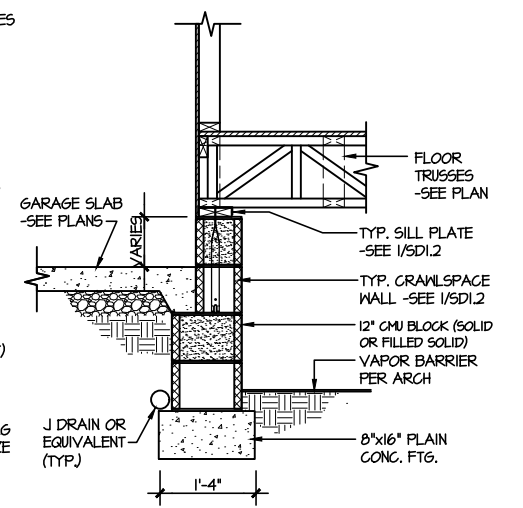
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8\"/>



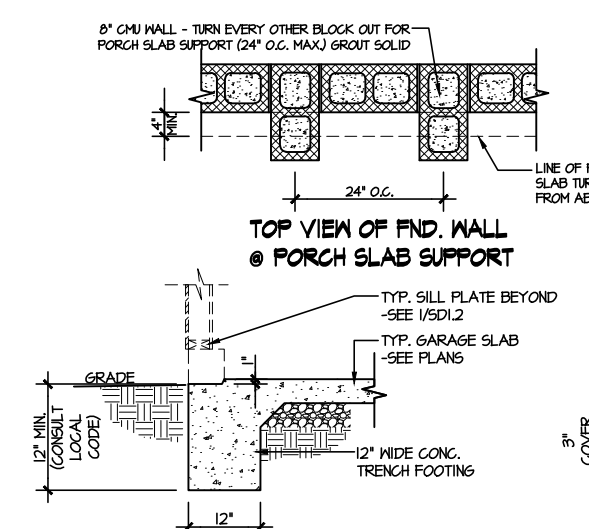
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8\"/>



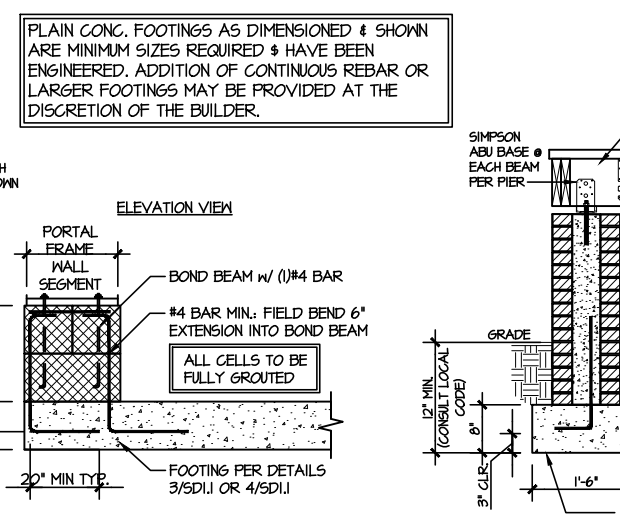
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER
SCALE: 3/8\"/>



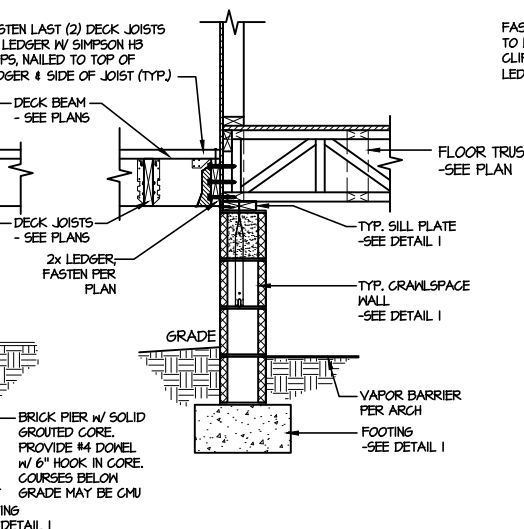
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE
SCALE: 3/8\"/>



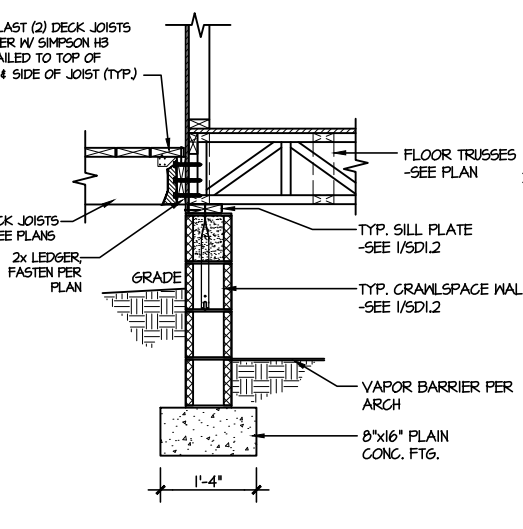
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8\"/>



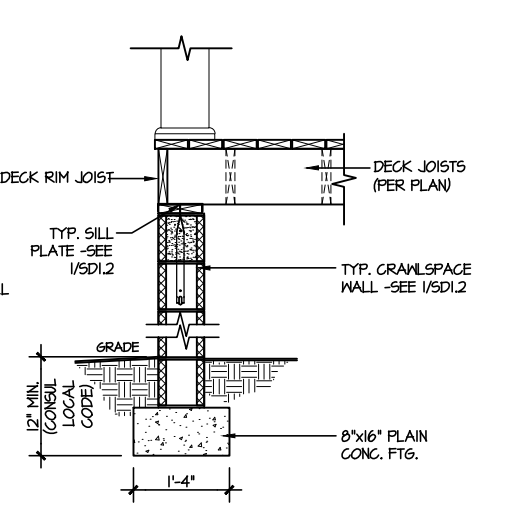
A GARAGE PORTAL FRAME STEM WALL REINFORCEMENT
SCALE: 3/8\"/>



11 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK W/ PIERS
SCALE: 3/8\"/>

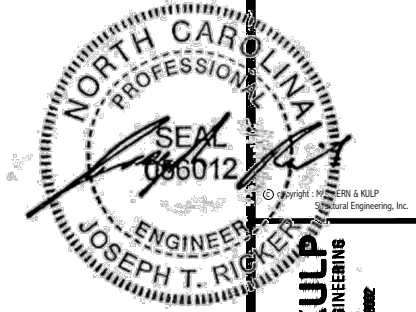


12 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK
SCALE: 3/8\"/>



13 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK PERIMETER
SCALE: 3/8\"/>

FILE: RLH - Campbell Ridge - Lot 16 - Structural Date: 2/4/2025 4:16 PM



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave., Building 4 - Ashter, PA 15882
P: 724.598.5281 - F: 724.598.5282
NC LICENSE #C-3825



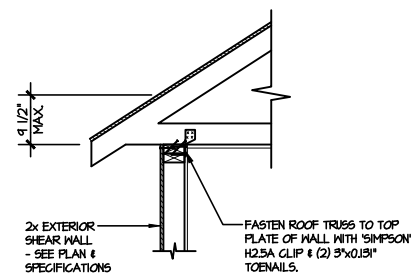
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:

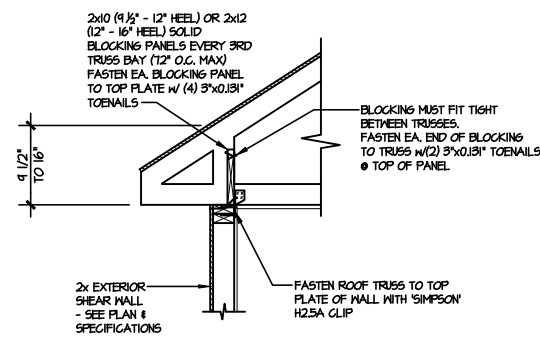
DRB
HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

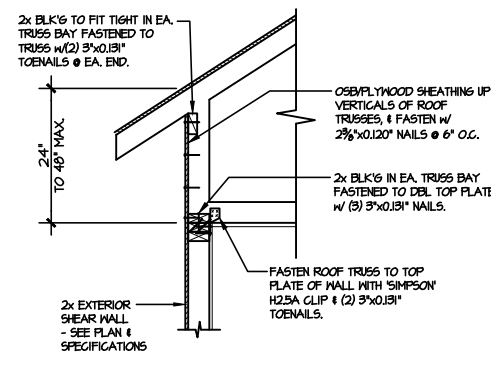
sheet:
SD2.0



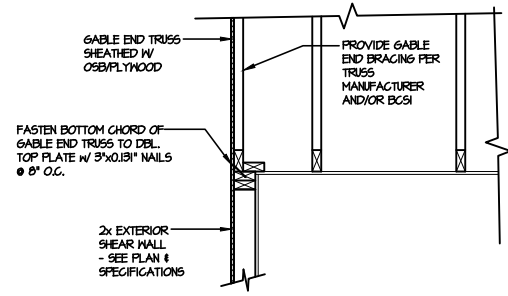
A1 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2" NO BLOCKING REQ'D



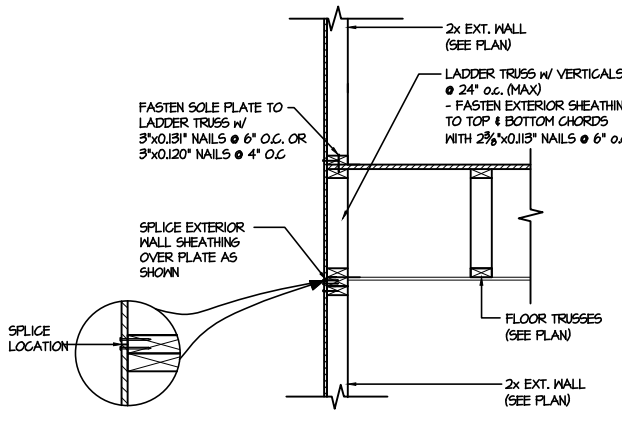
A2 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16" BLOCKING REQ'D



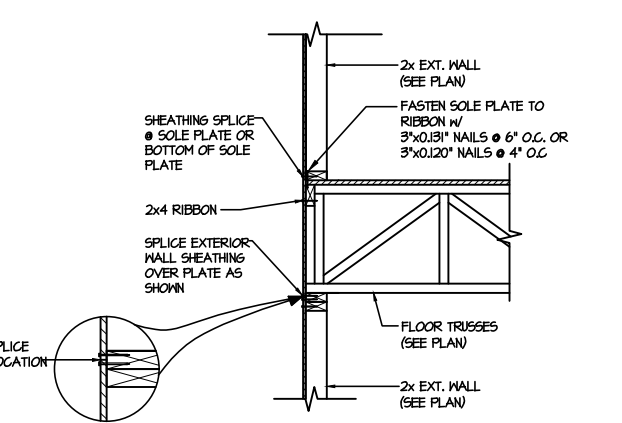
A3 TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX



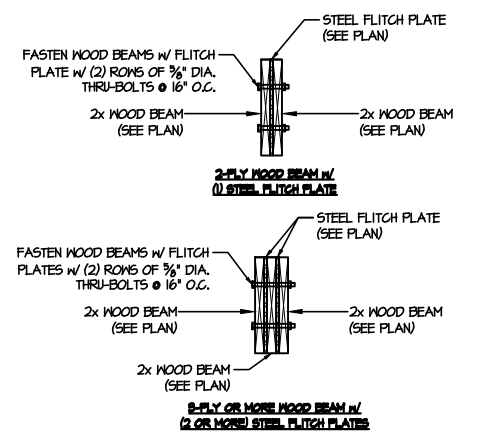
B TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



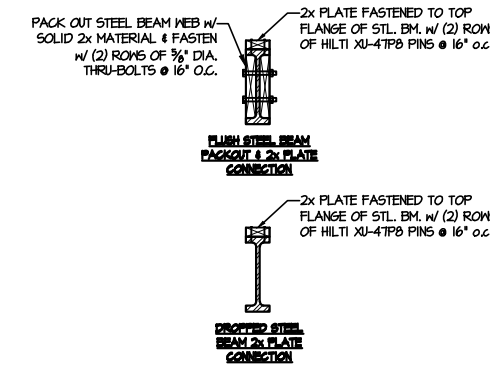
C1 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PARALLEL FRAMING



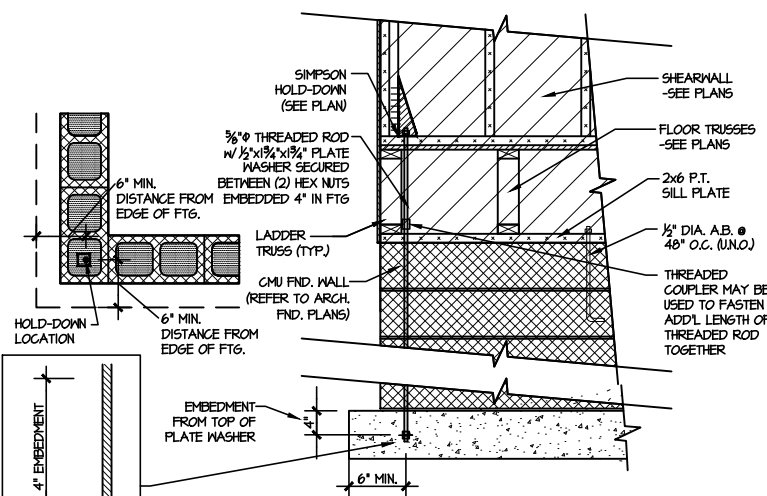
C2 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PERPENDICULAR FRAMING



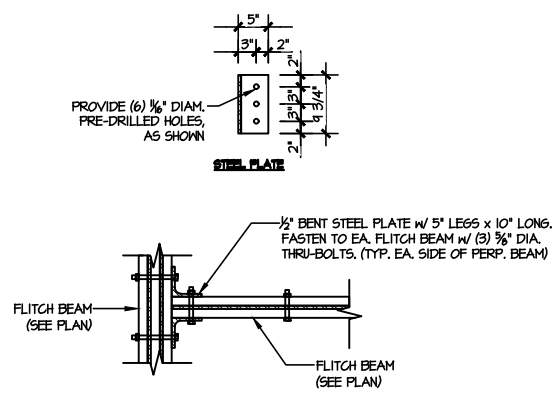
D TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



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



F2 TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION
SCALE: N.T.S.
(CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)



I TYPICAL FLITCH BEAM TO FLITCH BEAM CONNECTION DETAIL
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 Duneside Ave., Building 4 - Asheville, NC 28802
P: 252-598-0281 - mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

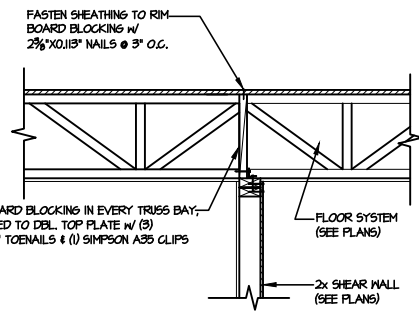
REVISIONS:

DRB
HOMES

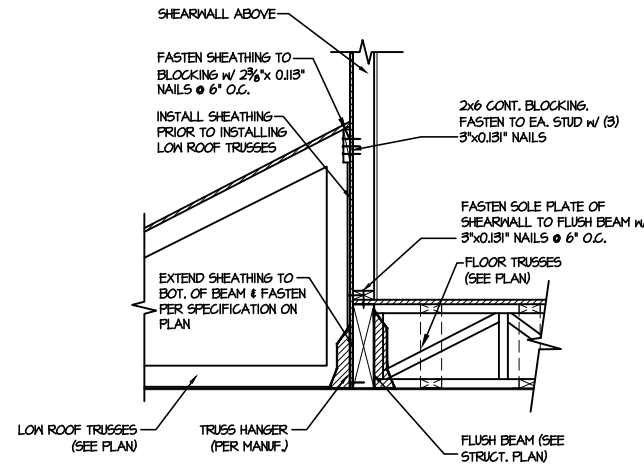
FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

sheet:

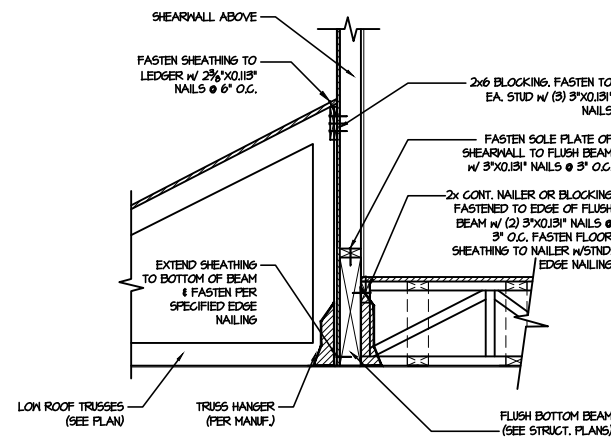
SD2.1A



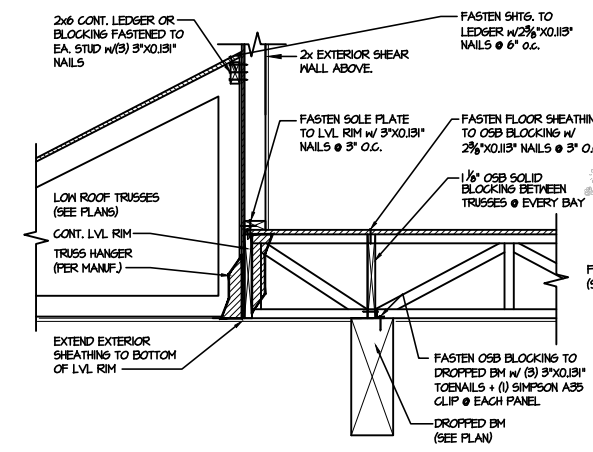
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: N.T.S. PERPENDICULAR TO FRAMING



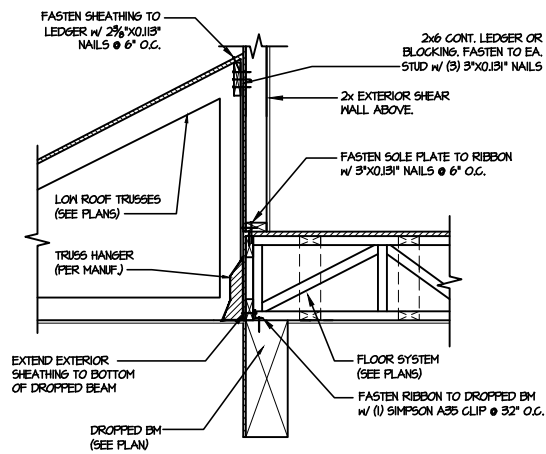
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



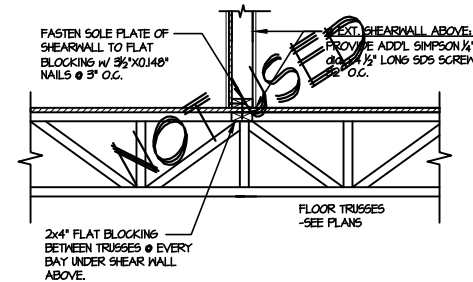
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



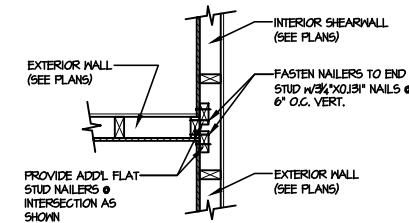
4 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE GARAGE
SCALE: 3/4"=1'-0"



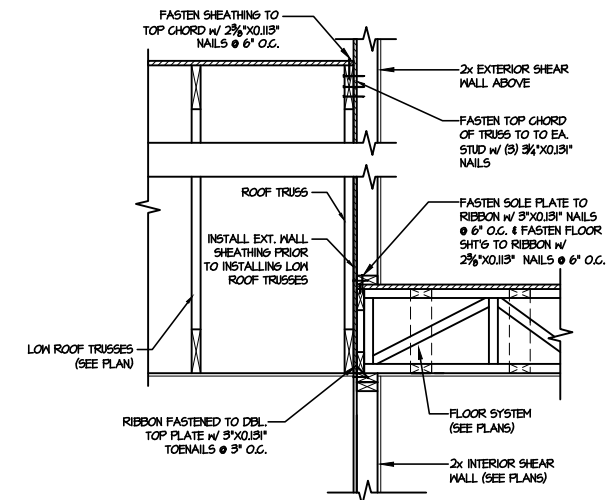
5 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



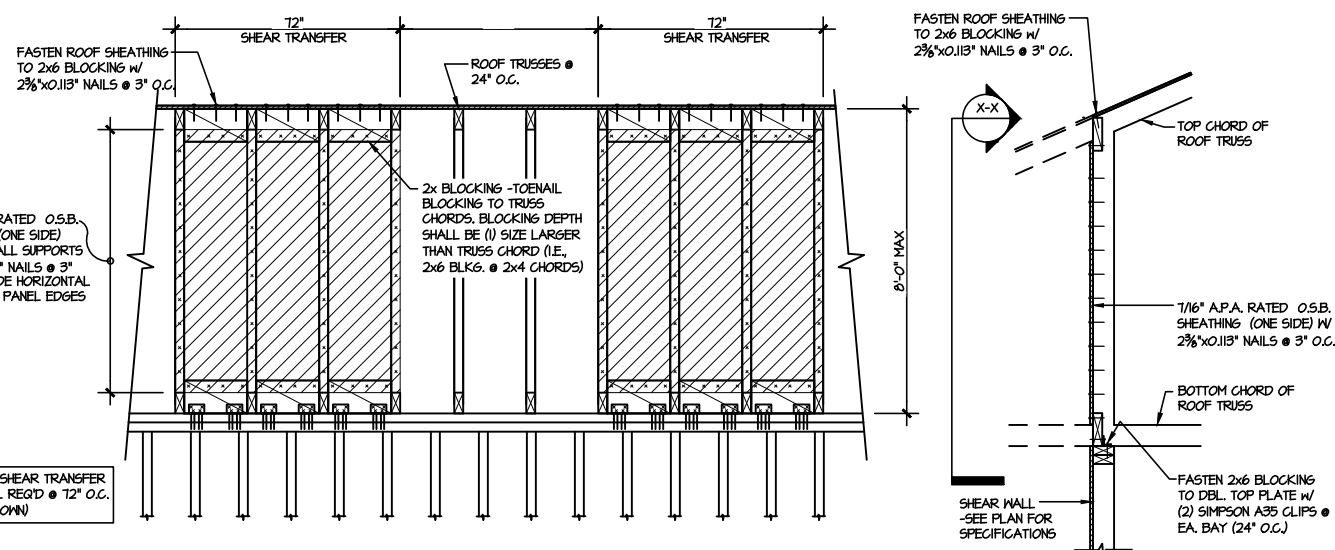
6 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: N.T.S. PERPENDICULAR FRAMING



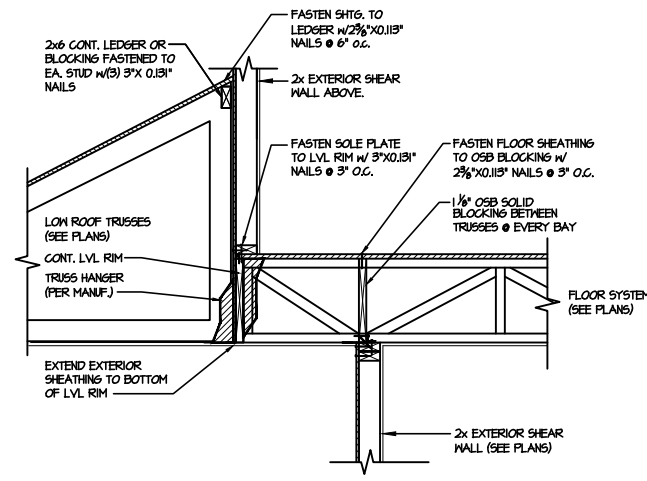
7 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHG. ON SAME FACE



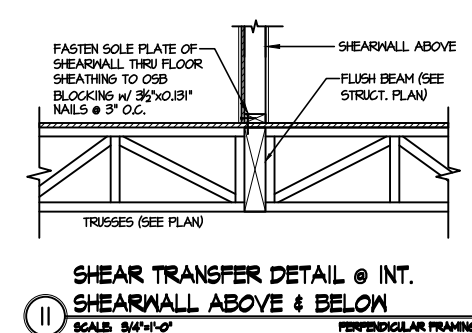
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



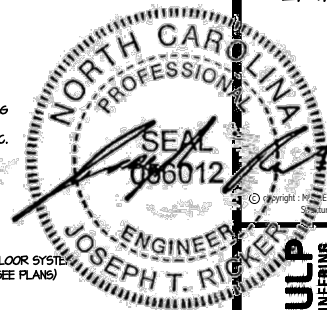
9 TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/4"=1'-0"



10 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL CANT'D ABOVE
SCALE: 3/4"=1'-0"



11 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave., Building 4 - Asheville, NC 28802
P: 252-598-5281
www.mulhernkulp.com
NC LICENSE #C-3825

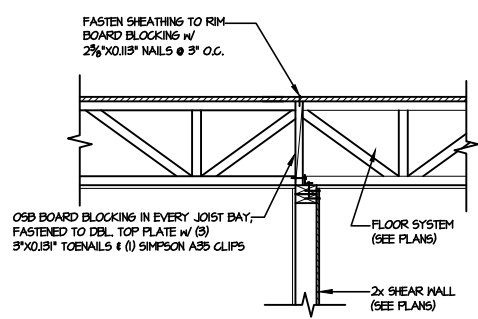
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:

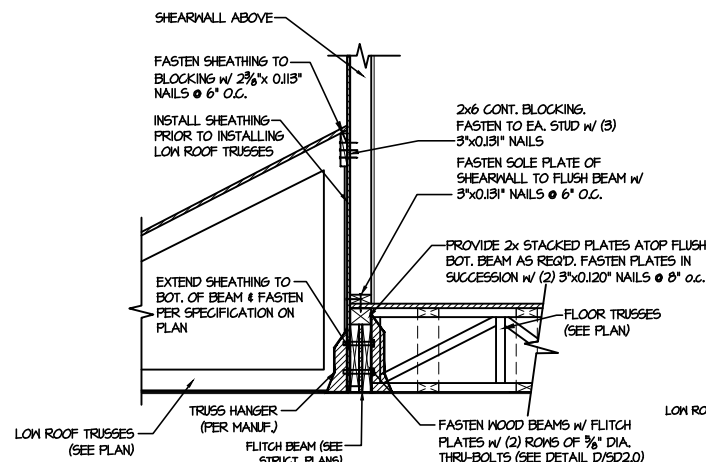
DRB
HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

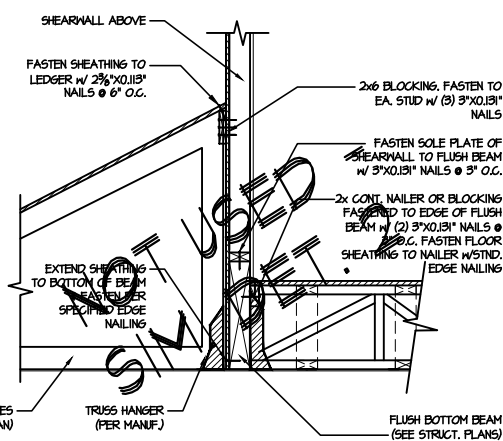
sheet:
SD2.1B



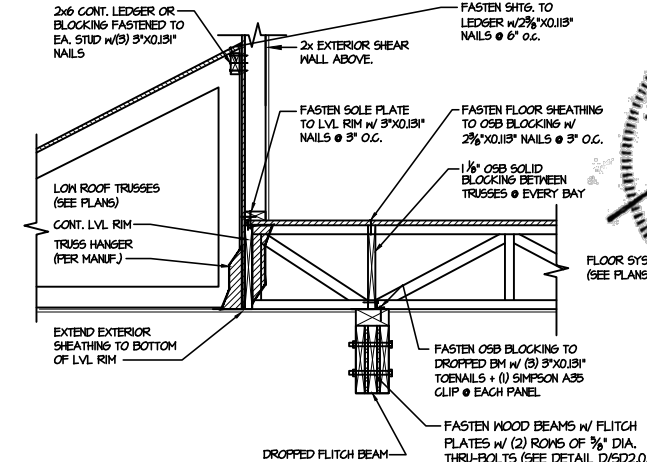
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: N.T.S. PERPENDICULAR TO FRAMING



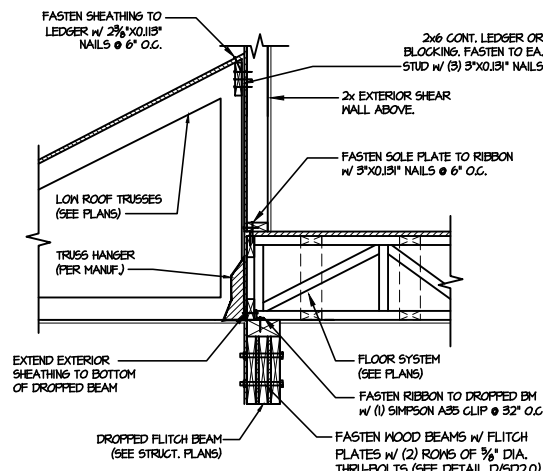
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



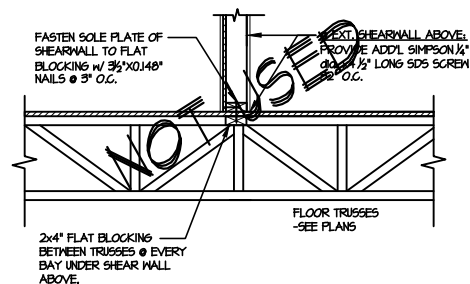
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



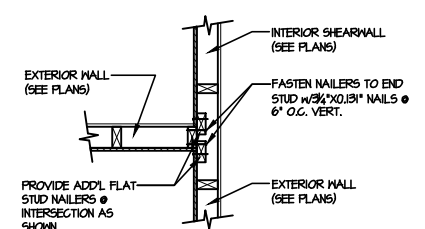
4 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE GARAGE
SCALE: 3/4"=1'-0"



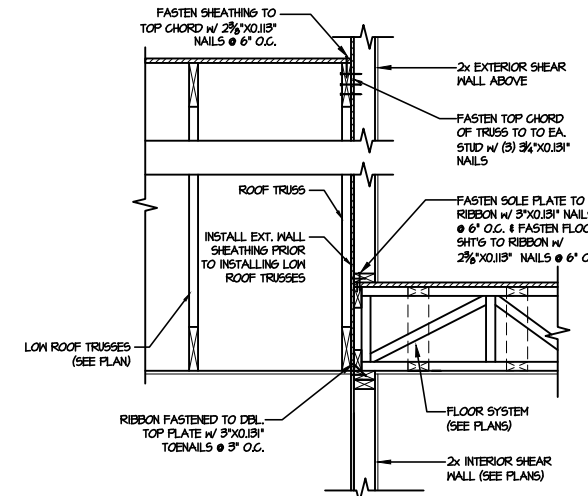
5 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



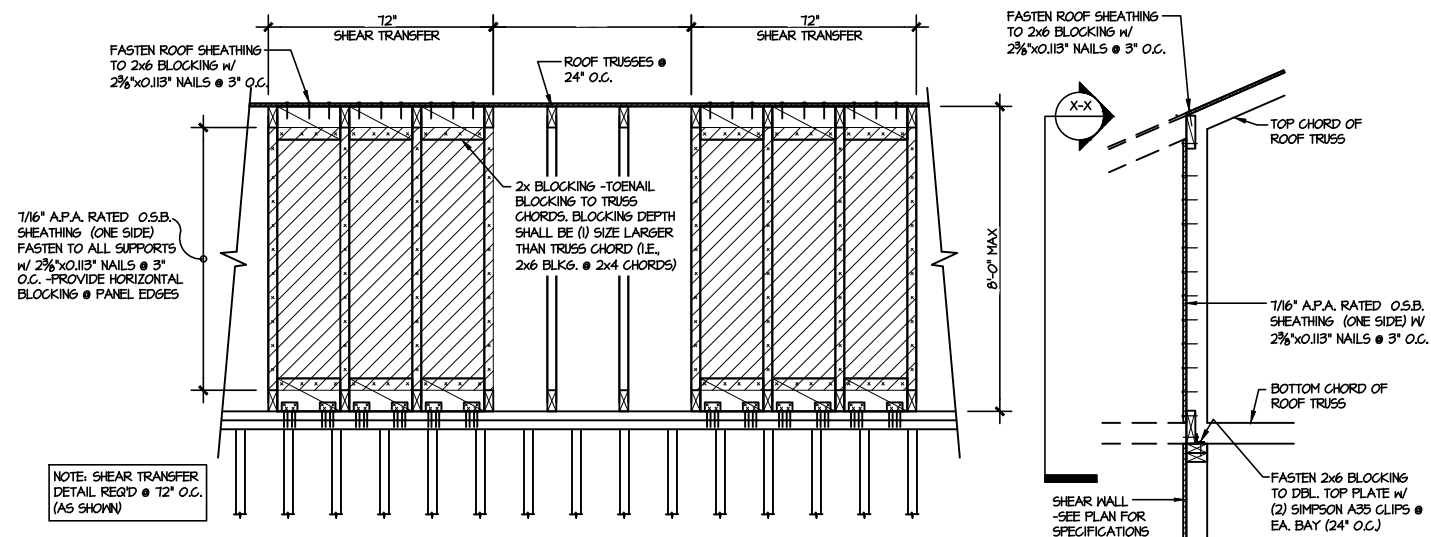
6 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: N.T.S. PERPENDICULAR FRAMING



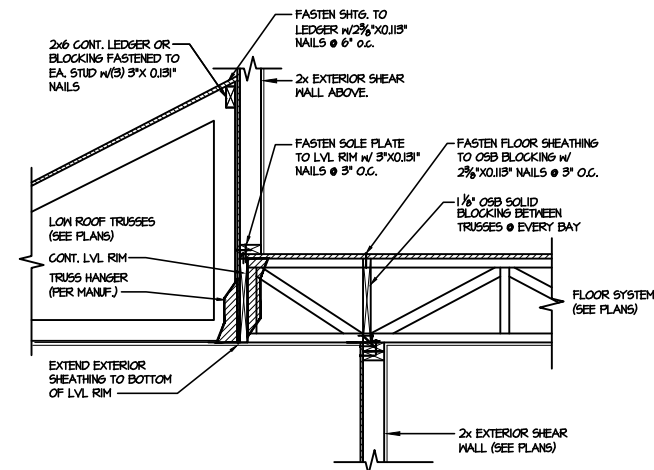
7 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. ON SAME PAGE



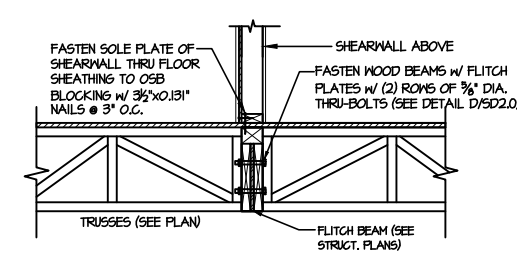
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



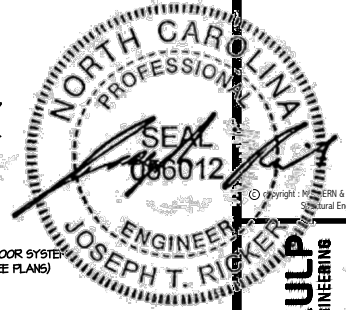
9 TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/4"=1'-0"



10 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL CANT'D ABOVE
SCALE: 3/4"=1'-0"



11 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave., Building 4 - Asheville, NC 28802
P: 252-598-9281 • mulhern+kulp.com
NC LICENSE #C-3825



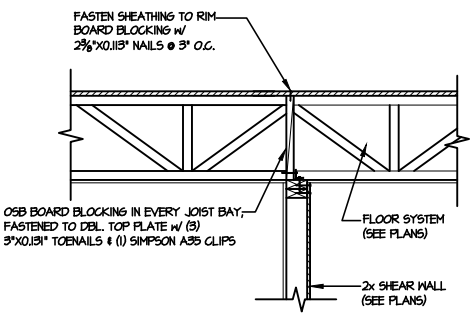
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:

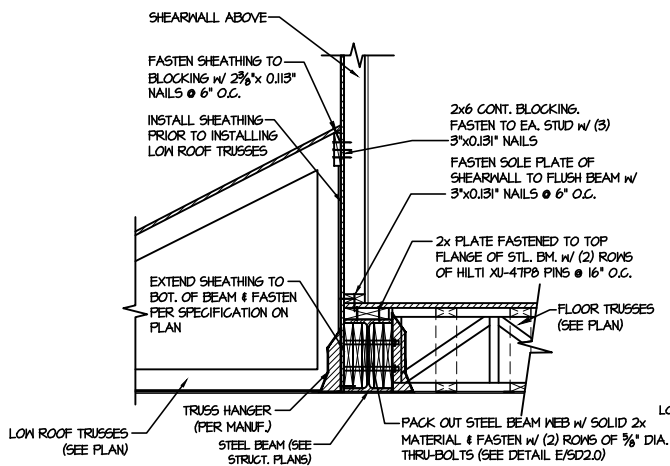
DRB
HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

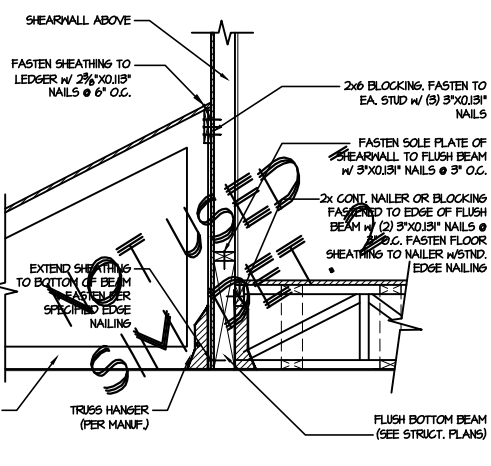
sheet:
SD2.1C



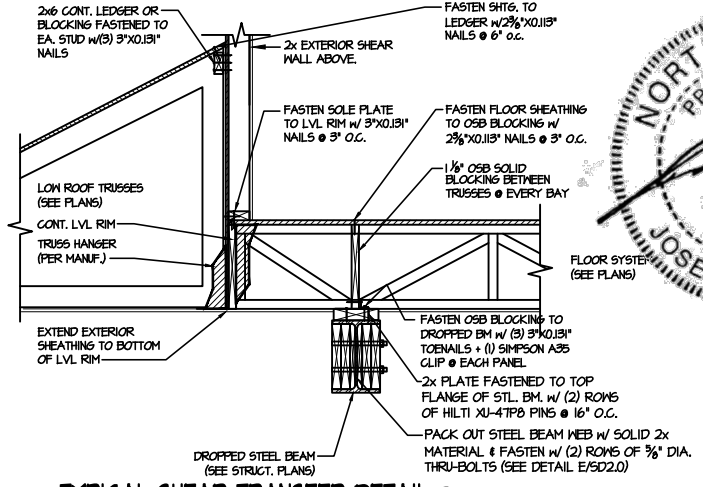
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: N.T.S. PERPENDICULAR TO FRAMING



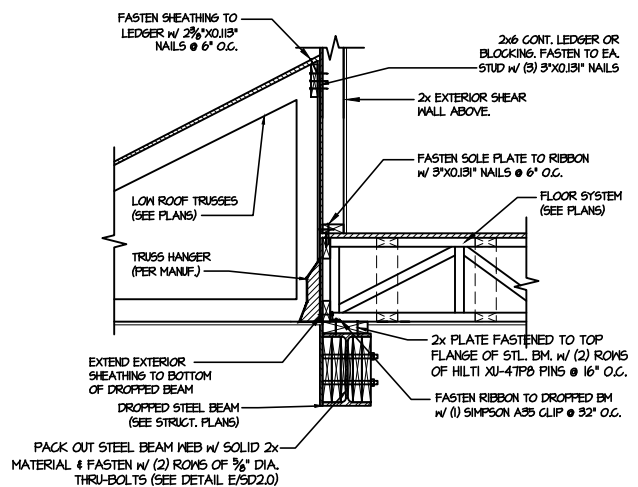
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



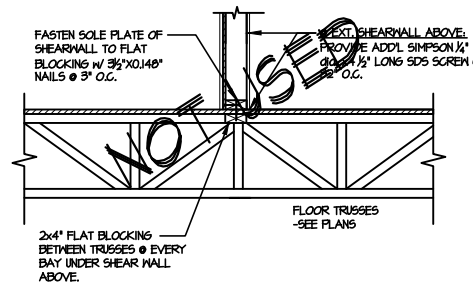
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



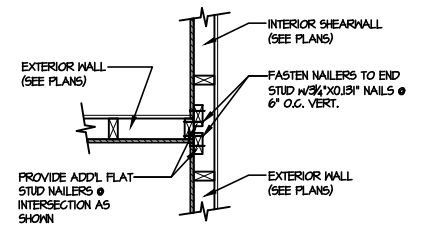
4 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE GARAGE
SCALE: 3/4"=1'-0"



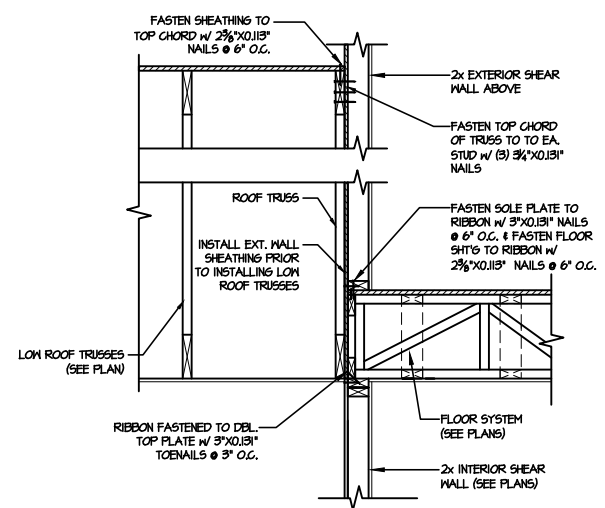
5 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



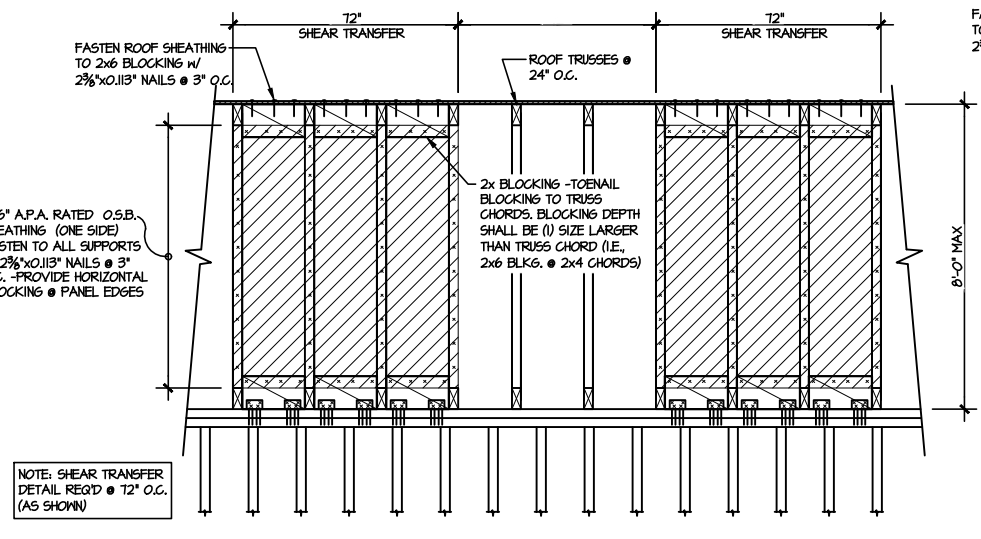
6 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: N.T.S. PERPENDICULAR FRAMING



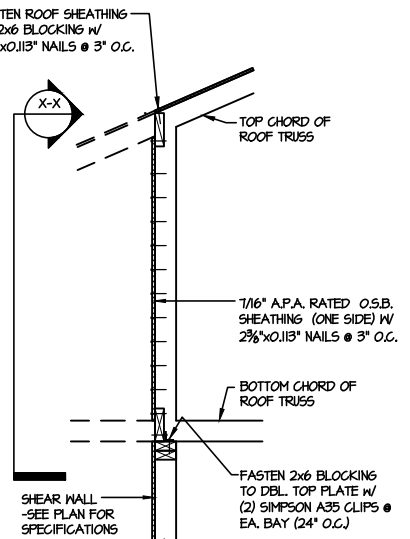
7 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SITE, ON SAME FACE



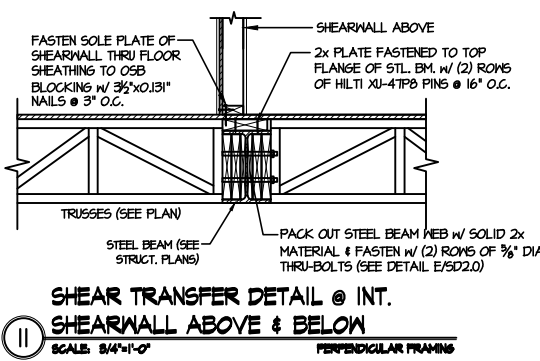
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



9 TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL
SCALE: 3/4"=1'-0"

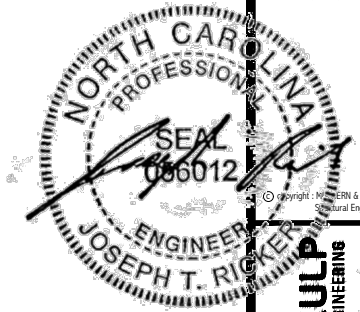


10 TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL CANT'D ABOVE
SCALE: 3/4"=1'-0"



11 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING

FILE: RLH - Campbell Ridge - Lot 16 - Structural Date: 2/4/2025 4:16 PM



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dorothea Ave. Building 4 - Aurora, PA 15022
P: 724.508.5281 - mulhern+kulp.com
NC LICENSE #C-3825

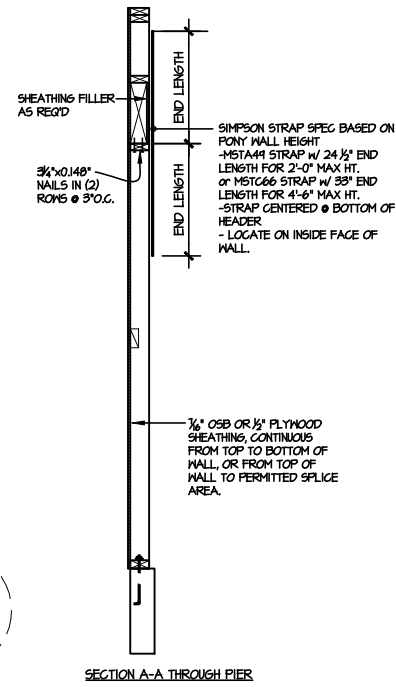
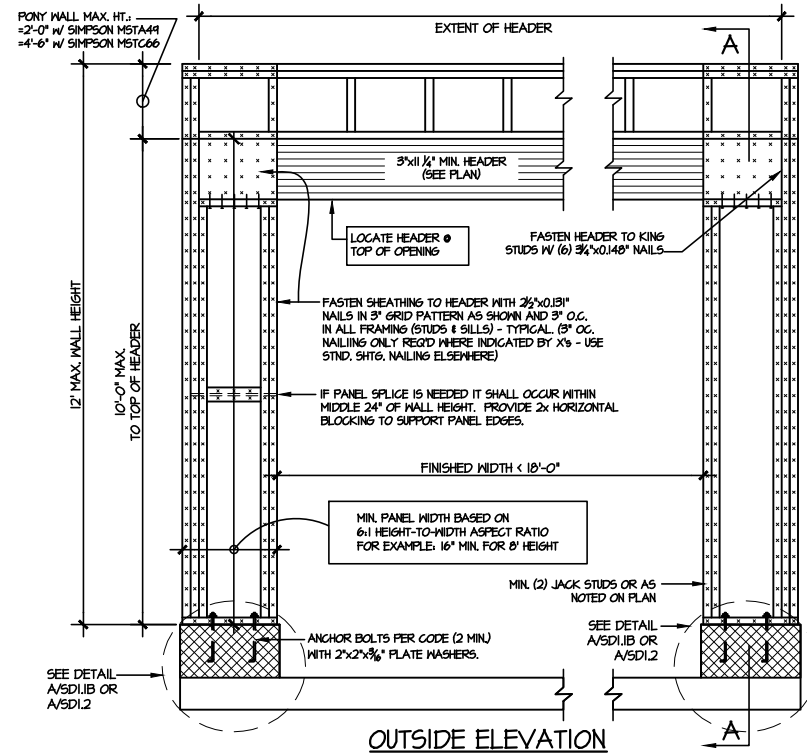
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:

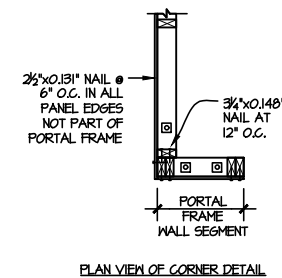
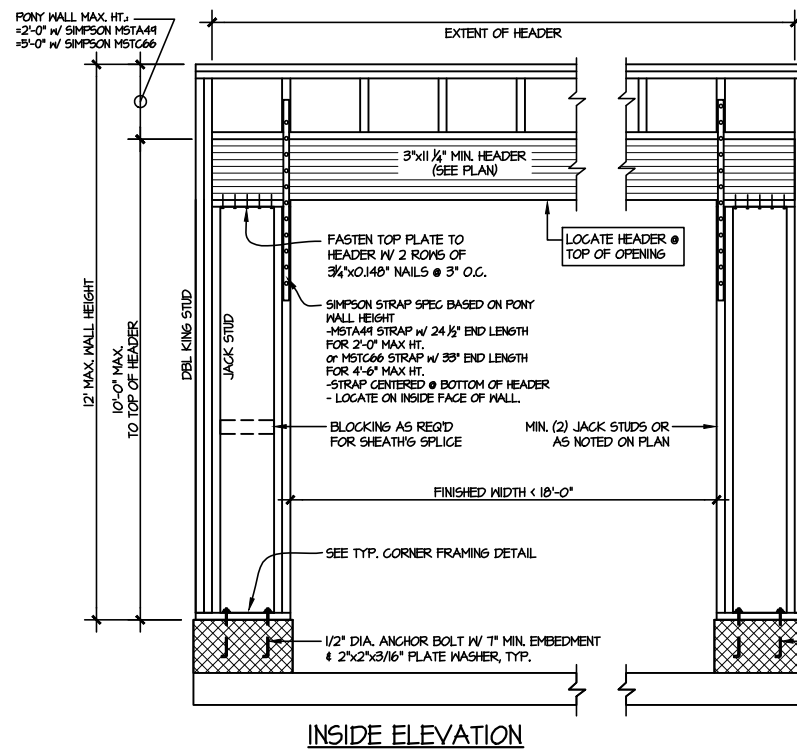


FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

sheet:
SD2.2



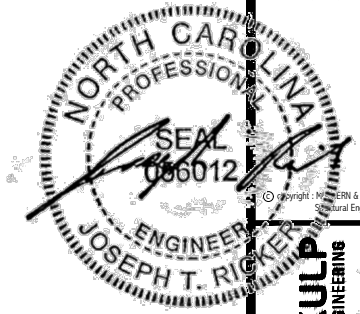
NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/4" OSB



ALTERNATIVE TO 1/2" DIA. ANCHOR BOLT:
1) 1/2" DIA. THREADED ROD EPOXY SET W/ 4 1/2" EMBED. (MIN) UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

TWO SIDED GARAGE PORTAL FRAME BRACING
ELEVATION ON CMU STEM

2 SCALE: N.T.S. SCALE: N.T.S.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave, Building 4 - Anahim, PA 15002
P 724-598-5281 - mulhern+kulp.com
NC LICENSE #C-3825



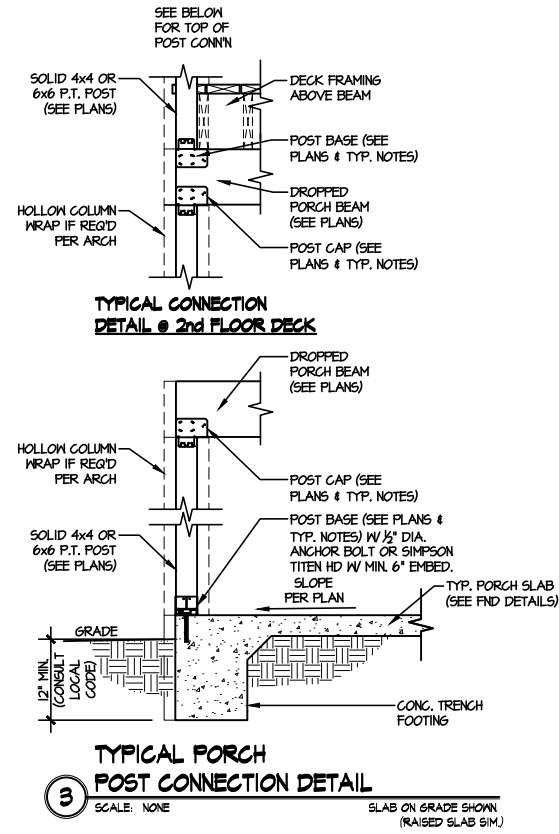
M&K project number:
126-24045
project mgr: JTR
drawn by: JAD
issue date: 02-04-25

REVISIONS:



FRAMING DETAILS
CAMPBELL RIDGE
LOT 16 - STONEHAVEN 1
RALEIGH, NC

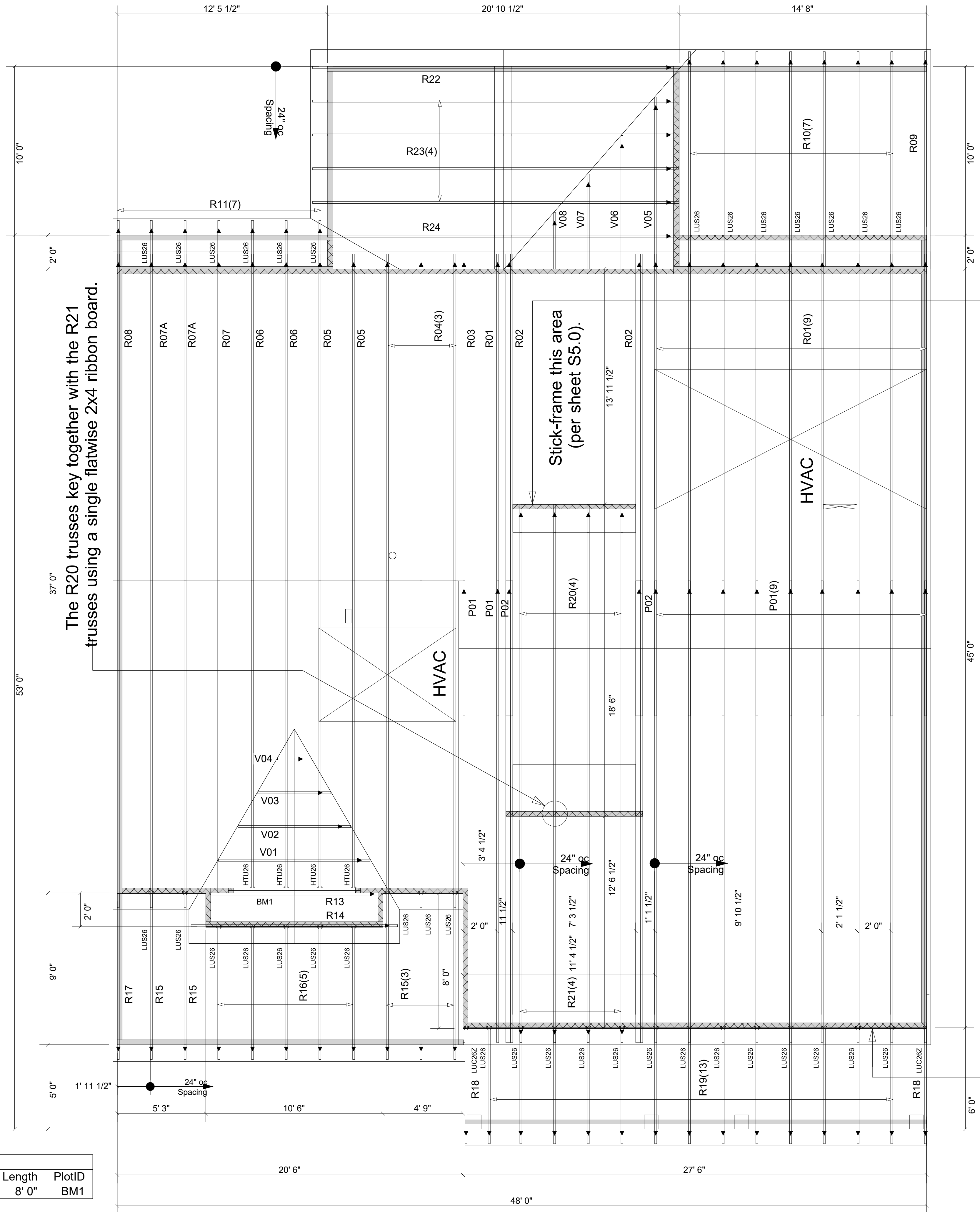
sheet:
SD3.0



Fab Type	Net Qty	Plies	Products	Product	Length	PlotID
FF	2	2	1-3/4" x 9-1/2" VERSA-LAM@ 2.0	3100 SP	8' 0"	BM1

Qty	Product	Manuf
4	HTU26	Simpson
2	LUC26Z	Simpson
36	LUS26	Simpson

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



See sheathing details on sheet SD2.1 (typical for all first-story mono trusses).

▲ = LEFT END OF TRUSS

REVISIONS:



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

FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0016 CAMPBELL RIDGE

Plan Information:

STONEHAVEN-1

ROOF

NOT TO SCALE

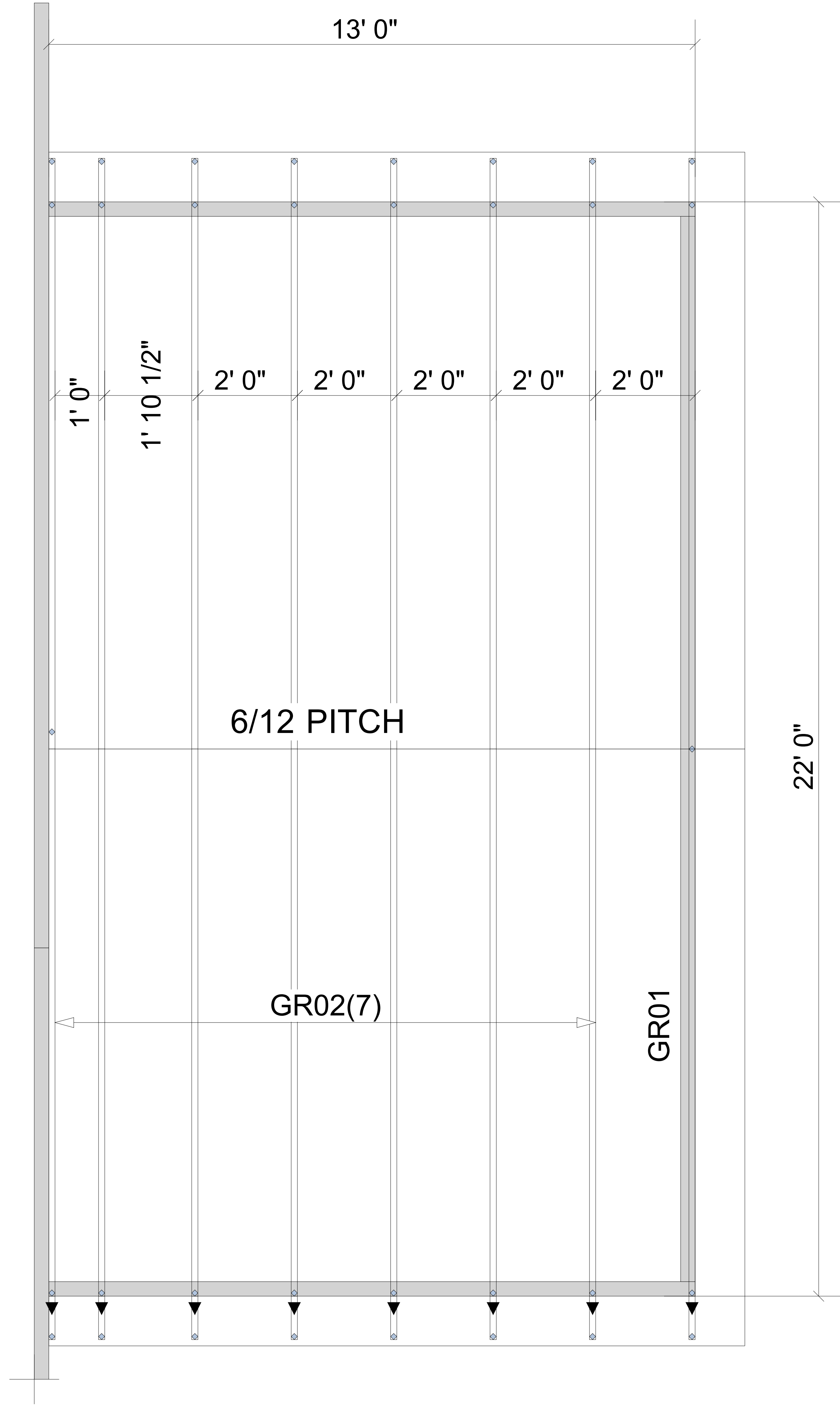
Drawn By: CGT

Date: 01/23/25

Job #: 25-0889-R01

Sales Rep: KYLE GIBSON
Phone: 864-304-3282

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



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

FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0016 CAMPBELL RIDGE

Plan Information:

STONEHAVEN-1

LEVEL

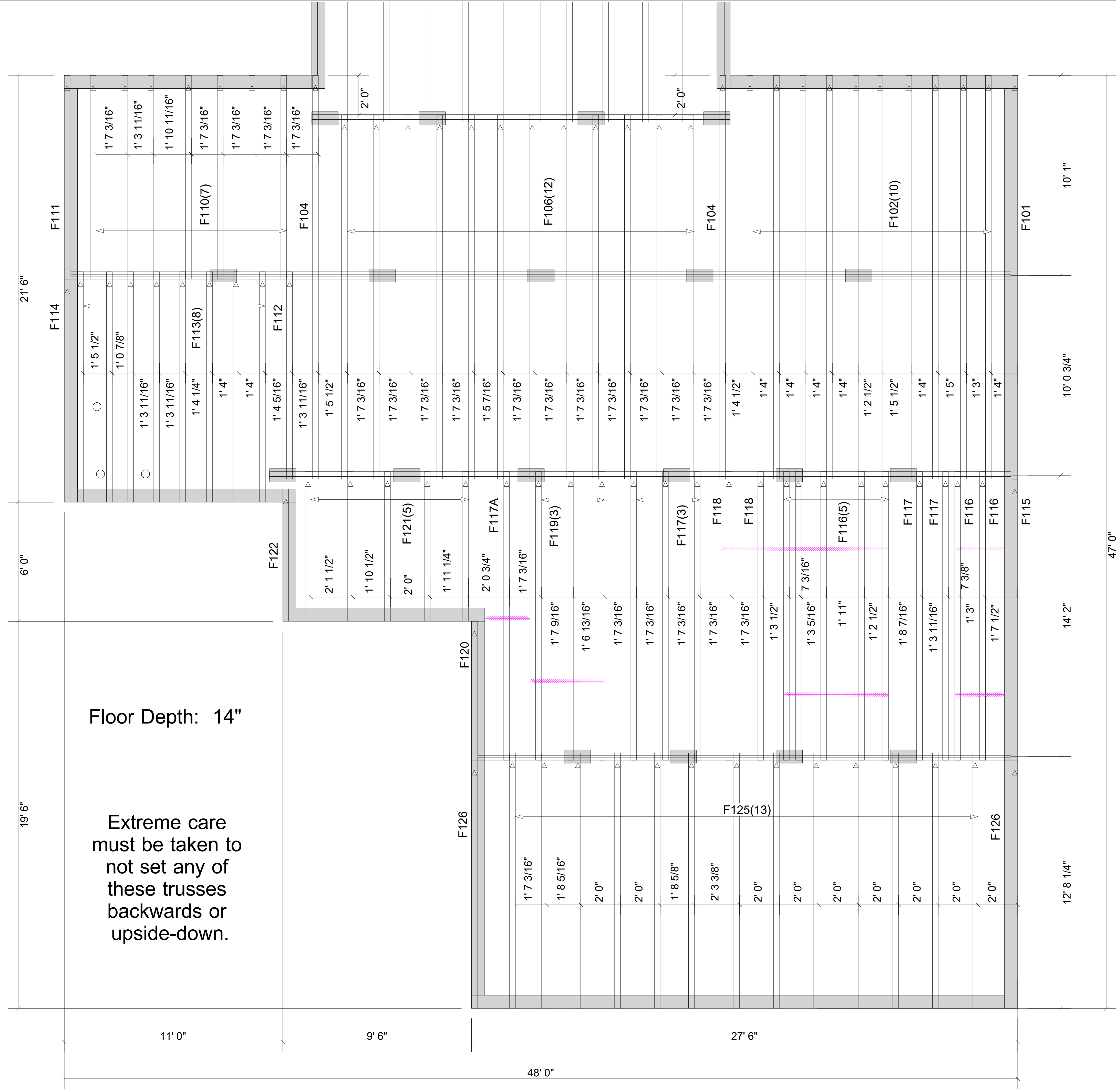
NOT TO SCALE

Date: DATE

Drawn By: CGT

Job #: 25-0889-R01

Sales Rep: KYLE GIBSON
 Phone: 843-729-3249



Floor Depth: 14"

Extreme care must be taken to not set any of these trusses backwards or upside-down.

FOR PERMIT

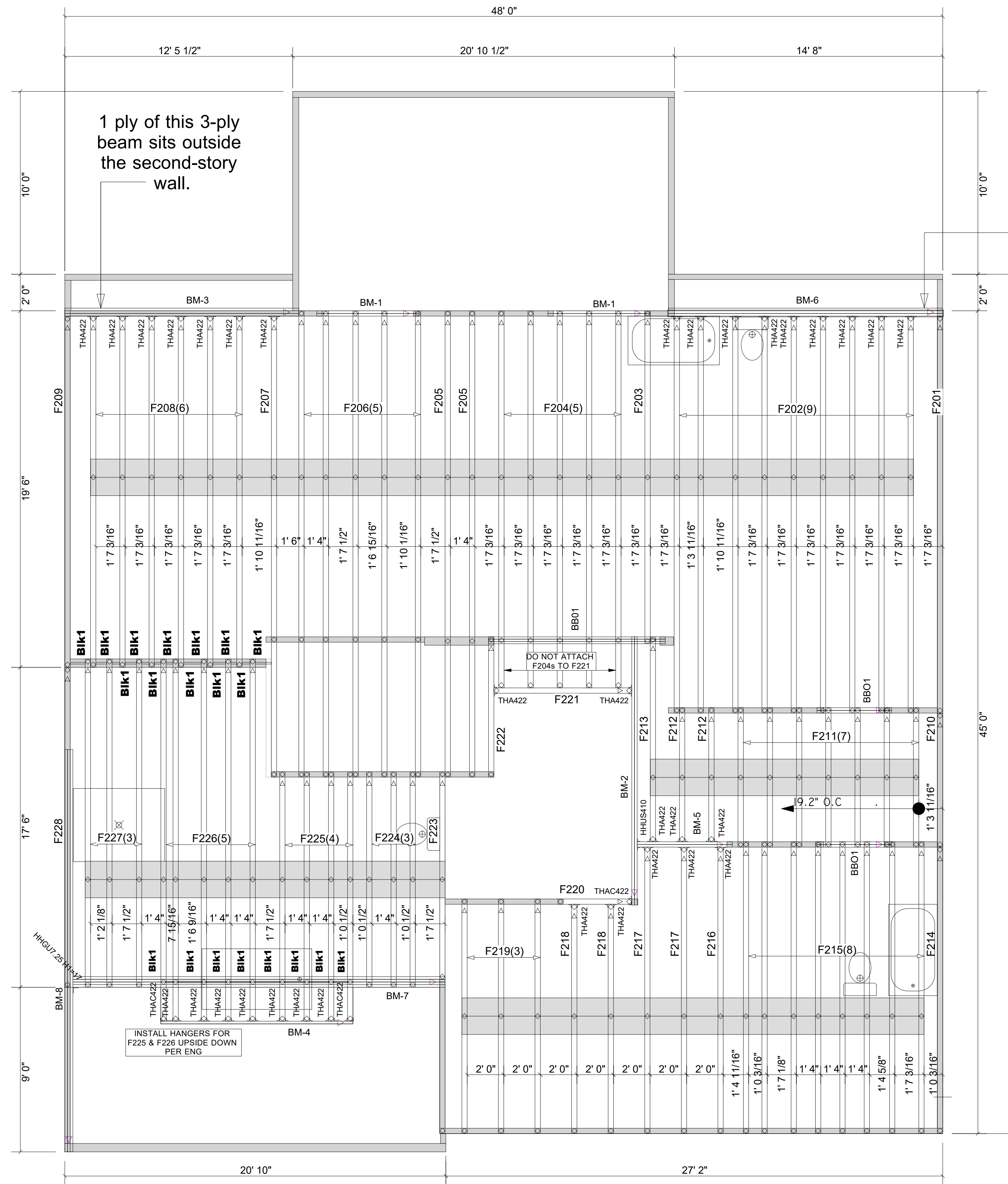
Client: **DRB GROUP-RALEIGH**
 Job: **LOT 0.0016 CAMPBELL RIDGE**
 Plan Information:
 NOT TO SCALE
 Drawn By: CGT
 Date: 01/23/25
 Job #: 25-0889-F01
 Sales Rep: KYLE GIBSON
 Phone: 864-304-3282

▲ = LEFT END OF TRUSS



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

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



This beam is deeper than the floor trusses (2" of this beam must be hid in the wall above). Additionally, 1 ply of this 3-ply beam sits outside the second-story wall.

BB01 = Dropped Beam By Others

Net Qty	Plies	Products	Product	Length	PlotID
4	2	1-3/4" x 9-1/2" VERSA-LAM@ 2.0 3100 SP		6' 0"	BM-1
2	2	1-3/4" x 14" VERSA-LAM@ 2.0 3100 SP		16' 0"	BM-2
3	3	1-3/4" x 14" VERSA-LAM@ 2.0 3100 SP		14' 0"	BM-3
1	1	1-3/4" x 14" VERSA-LAM@ 2.0 3100 SP		12' 0"	BM-4
2	2	1-3/4" x 14" VERSA-LAM@ 2.0 3100 SP		6' 0"	BM-5
3	3	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP		16' 0"	BM-6
4	4	1-3/4" x 18" VERSA-LAM@ 2.0 3100 SP		22' 0"	BM-7
3	3	1-3/4" x 18" VERSA-LAM@ LVL 2.1E 3100 SP		22' 0"	BM-8
2	1	1-1/8" x 14" BC RIM BOARD OSB		12' 0"	BIK1

Connector Summary				
Flange	Product	Manuf	Qty	
None	HHGU7.25 H1=17	Simpson	1	
None	HHUS410	Simpson	1	

Truss Connector Total List		
Qty	Product	Manuf
33	THA422	
3	THAC422	Simpson

▲ = LEFT END OF TRUSS

FOR PERMIT

Client: DRB GROUP-RALEIGH
 Job: LOT 0.0016 CAMPBELL RIDGE
 Plan Information: STONEHAVEN-1

NOT TO SCALE
 Drawn By: CGT
 Date: 01/23/25
 Job #: Sales Rep: KYLE GIBSON
 25-0889-F02 Phone: 864-304-3282

REVISIONS:



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

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