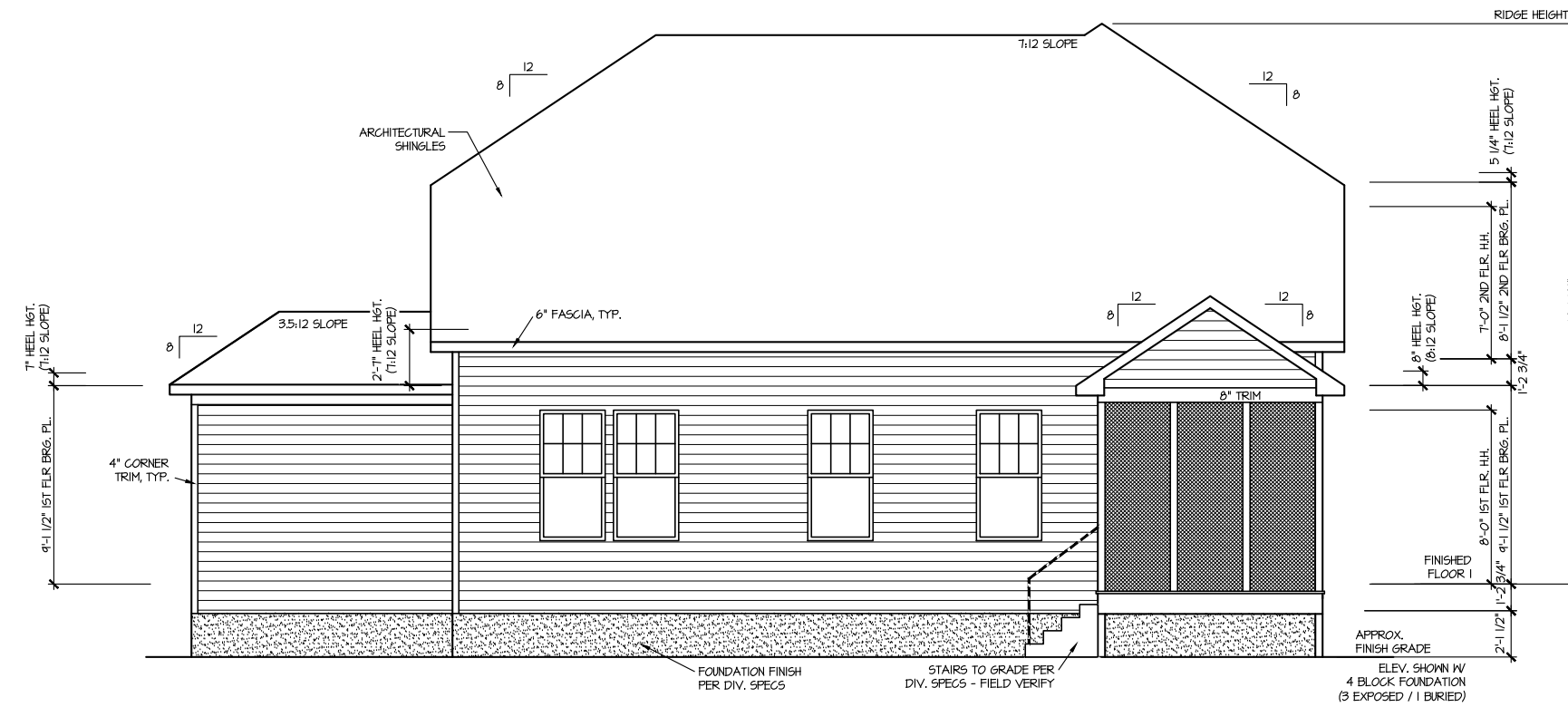


**FRONT ELEVATION 10**

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



**REAR ELEVATION 10**

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

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

UPDATED DATE  
06-05-2024

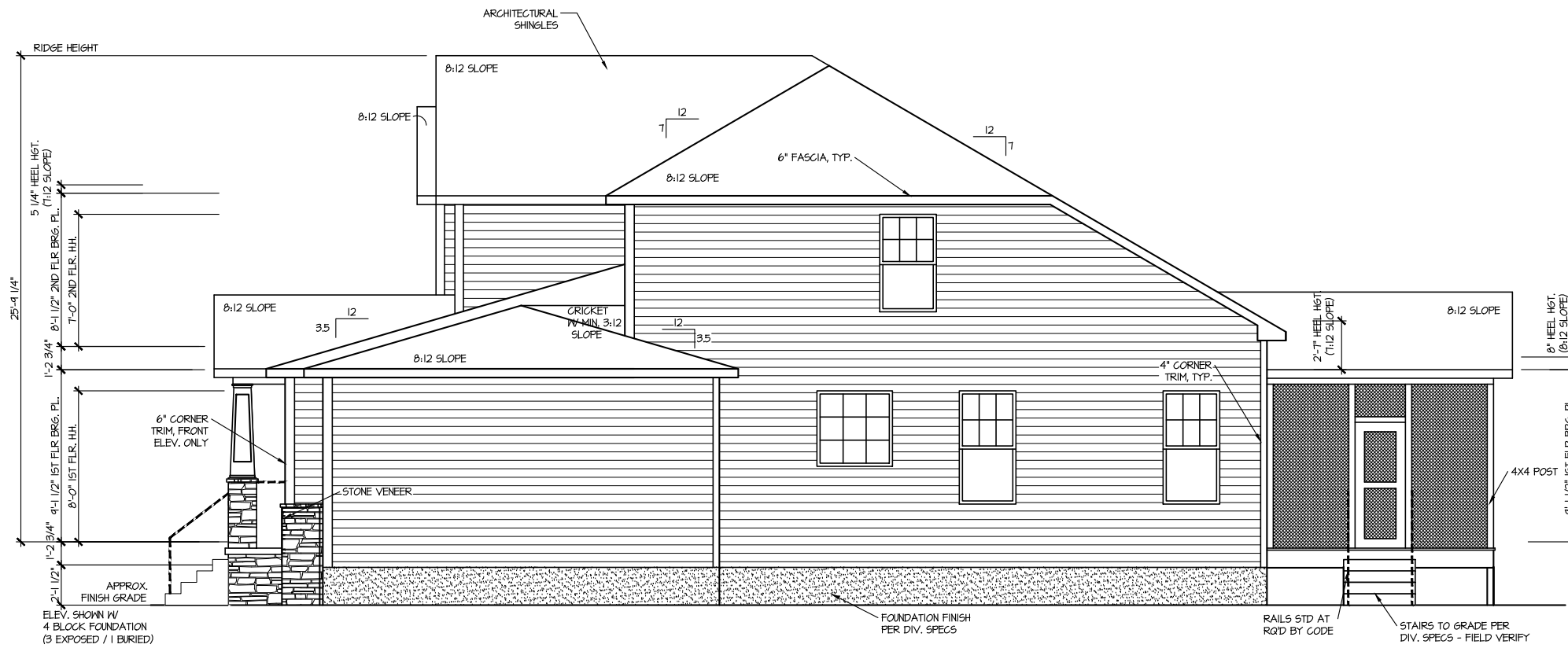
MASTER PLAN INFORMATION  
REVISION DATE  
2-RALE 3-20-2024

DRAWN BY: ITS  
DATE: 09/27/2024  
PLAN NO. 2183

**DRB**  
HOMES

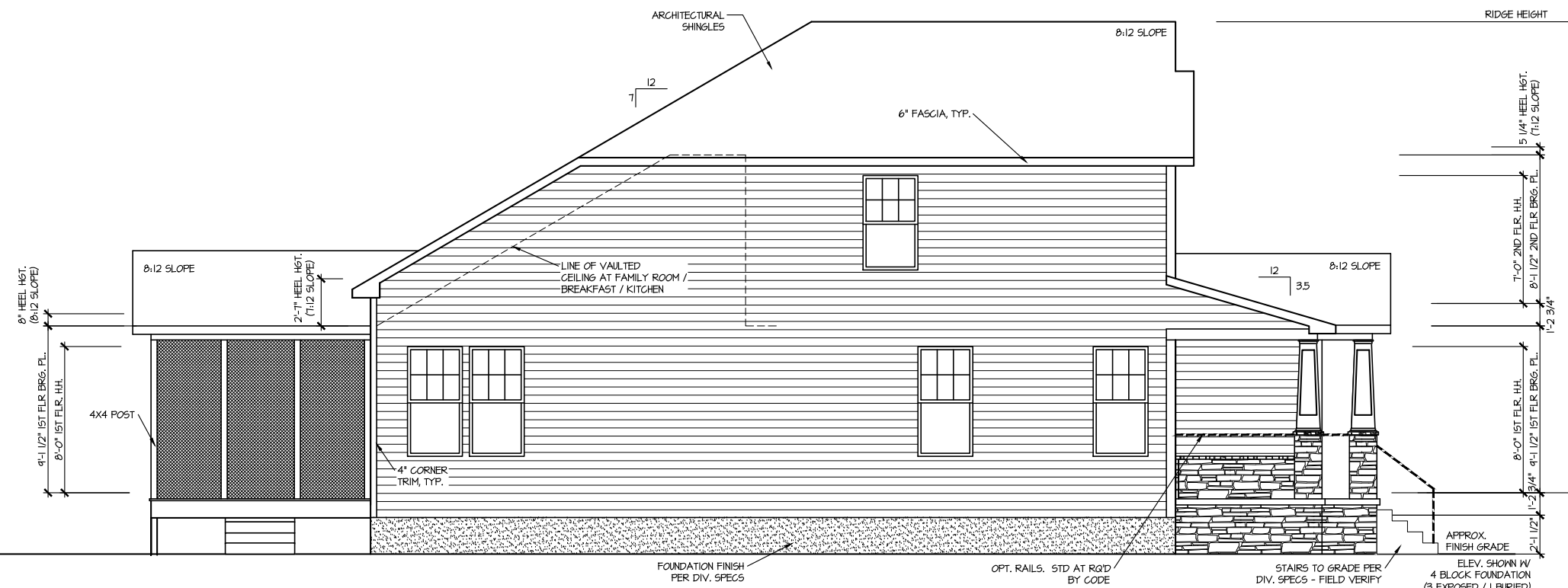
HOUSE NAME: MIDDLETON  
DRAWING TITLE: FRONT & REAR ELEVATIONS

SHEET No. A.1



**RIGHT ELEVATION 10**

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



**LEFT ELEVATION 10**

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

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
UPDATED DATE	06-05-2024

DRAWN BY:	ITS
DATE:	09/27/2024
PLAN NO.	2183

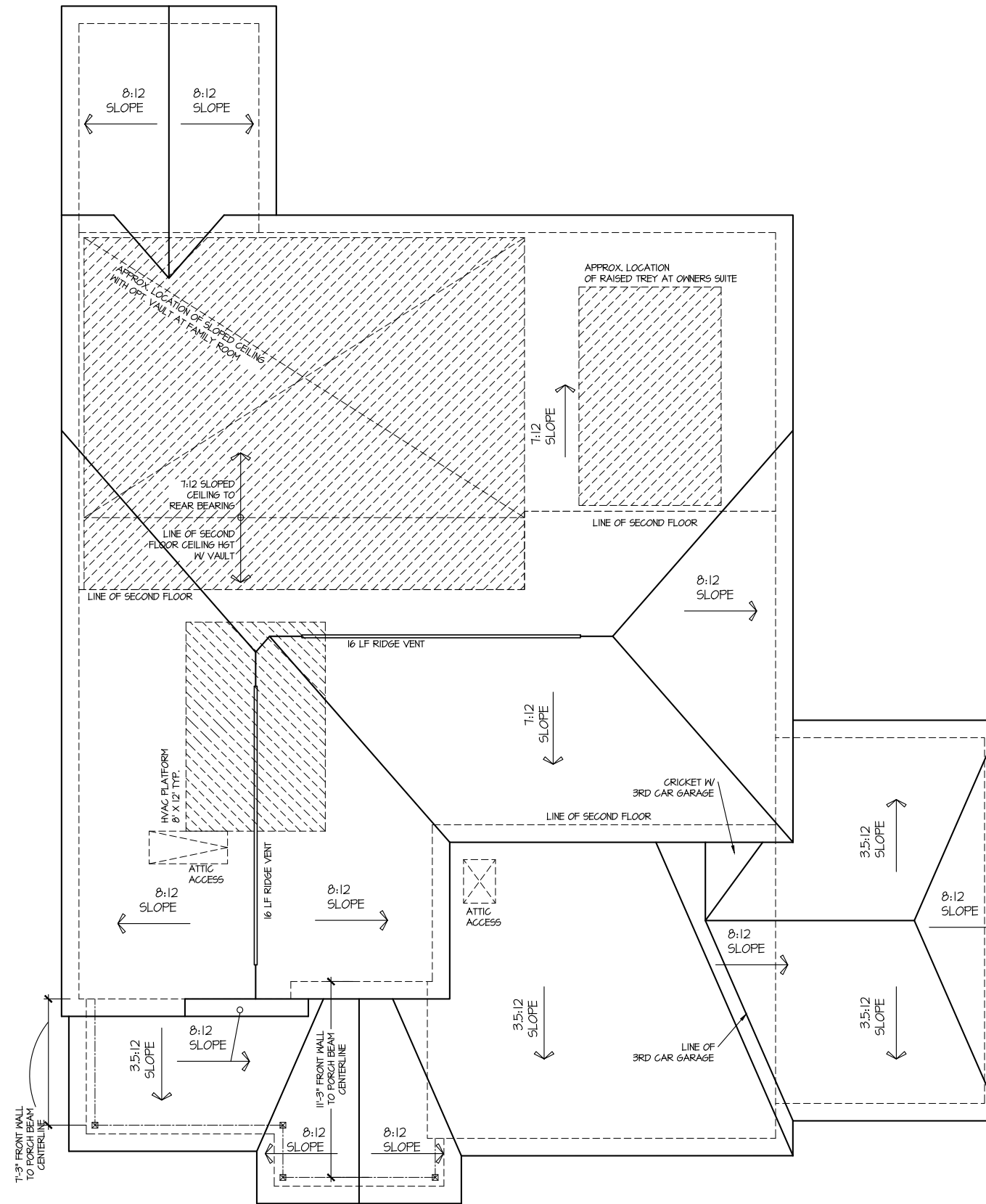


HOUSE NAME: MIDDLETON  
 DRAWING TITLE: RIGHT & LEFT ELEVATIONS

SHEET No. A.12

**ROOF VENTILATION CALCULATIONS:**

ROOF AREA = 1727 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 TO 50 = 1151 SQ. FT.  
 1 TO 300 = 576 SQ. FT.  
 50-80% IN TOP THIRD = 288 - 461 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 57 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 18 SQ. IN / LINEAR FT.  
 LOWER VENTING (BOTTOM 2/3 ROOF):  
 18 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 4.71 SQ. FT.  
 UPPER VENTING (TOP 1/3 ROOF):  
 32 LINEAR FEET OF RIDGE X 18 SQ. IN. = 4.0 SQ. FT.  
 4.00 SQ. FT. BETWEEN 50% - 80%  
 (1 TO 300 ALLOWED)  
 TOTAL ROOF VENTILATION: 8.71 SQ. FT. X 5.76 SQ. FT. (RATIO)

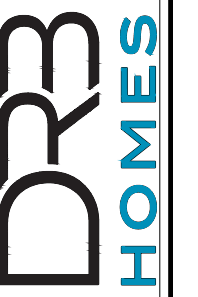


**ROOF PLAN ELEV. 10**  
 SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
	UPDATED DATE
	06-05-2024

DRAWN BY: ITS  
 DATE: 09/27/2024  
 PLAN NO. 2183



HOUSE NAME: MIDDLETON  
 DRAWING TITLE: ROOF PLAN

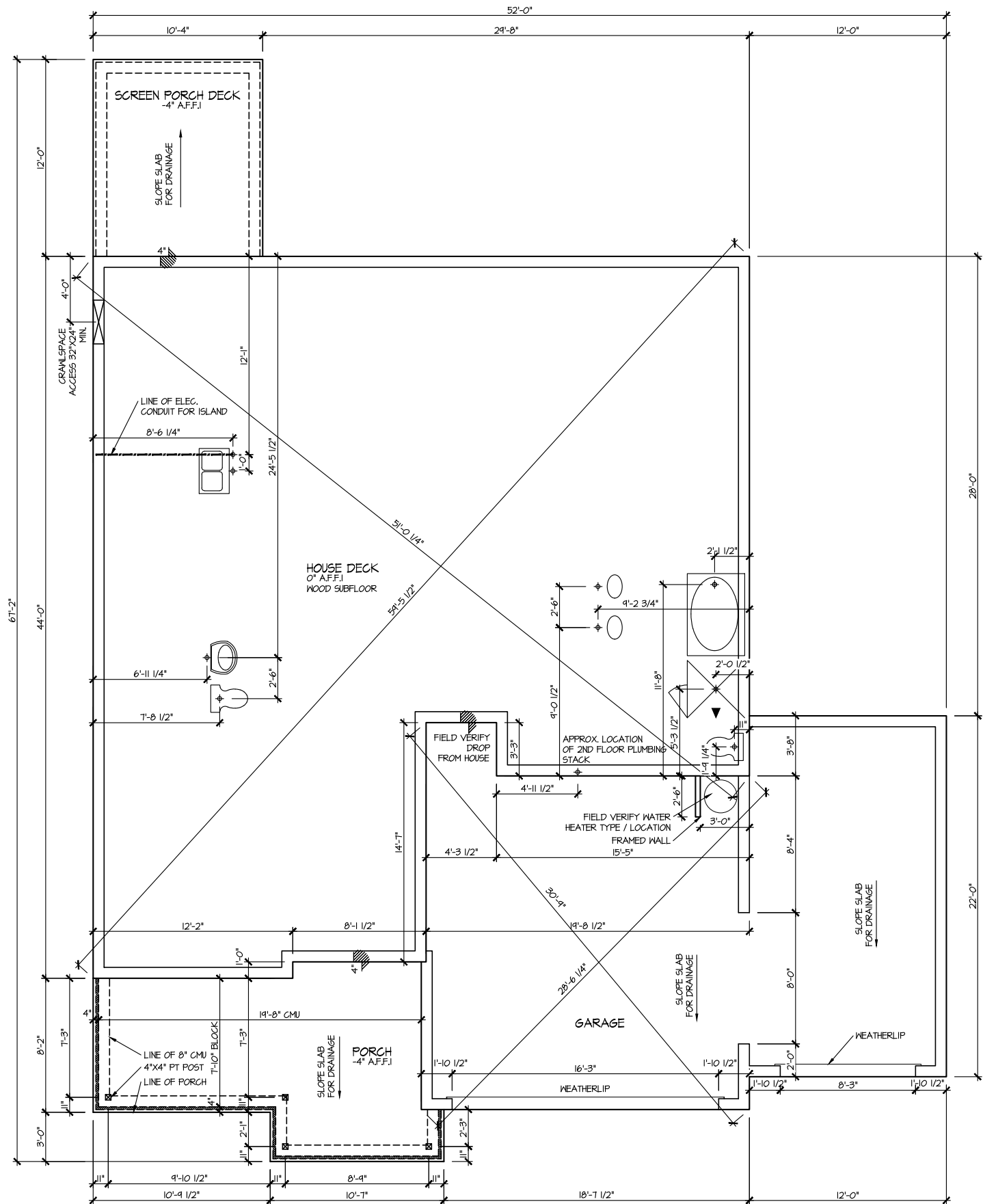
SHEET No. A13

**CRAWLSPACE VENT CALCULATIONS ALL ELEVATIONS**  
 CRAWL AREA = 1445 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 SQ. IN. PER 1 SQ. FT. = 1444 SQ. IN.

NET FREE AREA OF VENT = 12 SQ. IN. PER VENT  
 WITTEN AUTOMATIC VENT OAL-1 OR EQUAL

VENTING REQUIREMENT:  
 1445 SQ. IN. / 12 SQ. IN. = 20.7 VENTS = 21 VENTS

ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL  
 OTHERS TO BE FIELD LOCATED.  
 VENTS SHALL BE INSTALLED PER R322.2.2 - R322.2.2.1

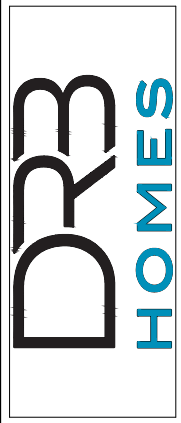


**ELEVATION 10  
 CRAWLSPACE PLAN**  
 SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
UPDATED DATE	06-05-2024

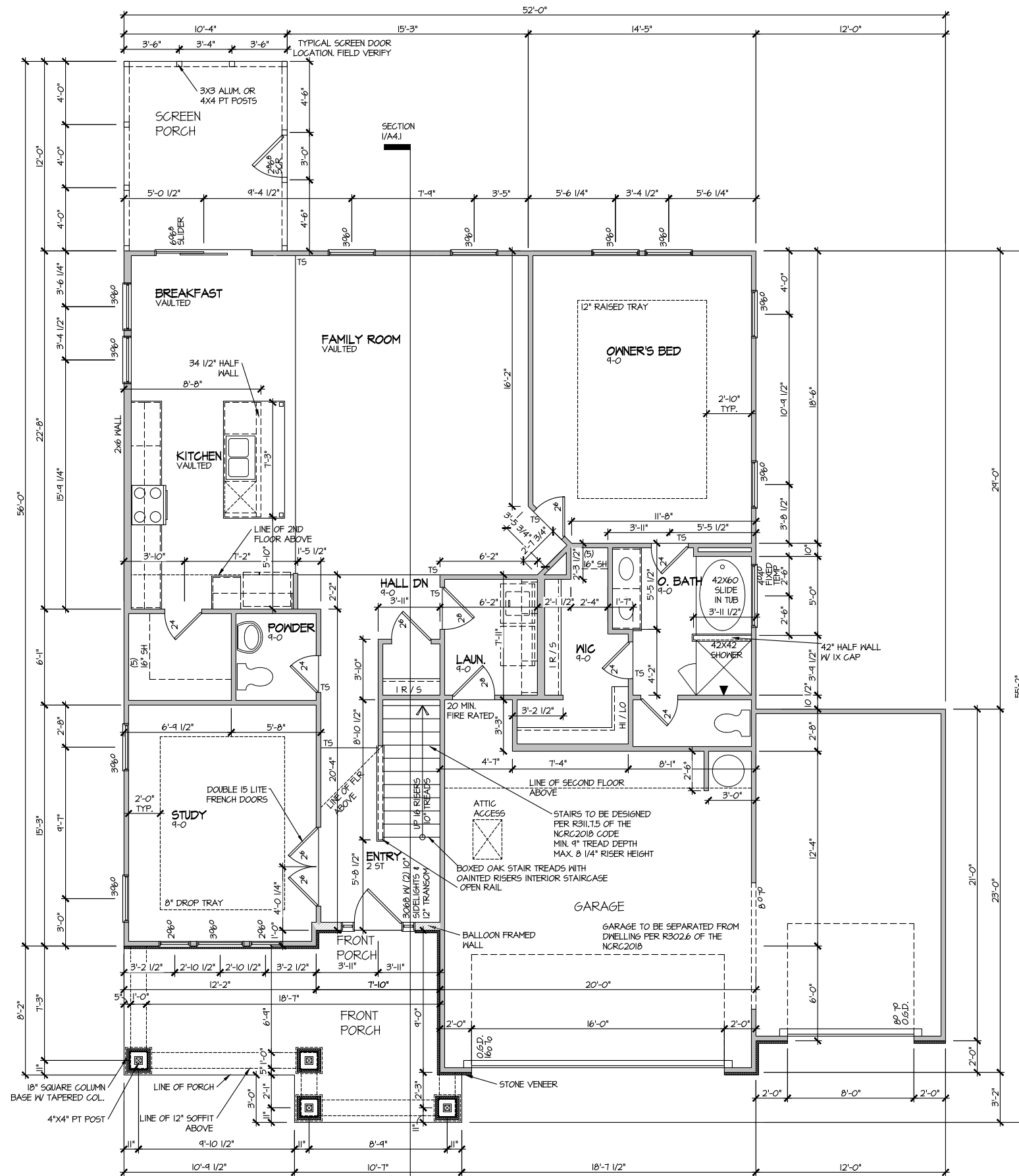
DRAWN BY: ITS  
 DATE: 09/27/2024  
 PLAN NO. 2183



HOUSE NAME: MIDDLETON  
 DRAWING TITLE: CRAWLSPACE PLAN

SHEET No. A2.1

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM



ELEVATION 10  
FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION  
REVISION DATE 3-20-2024  
2-RALE

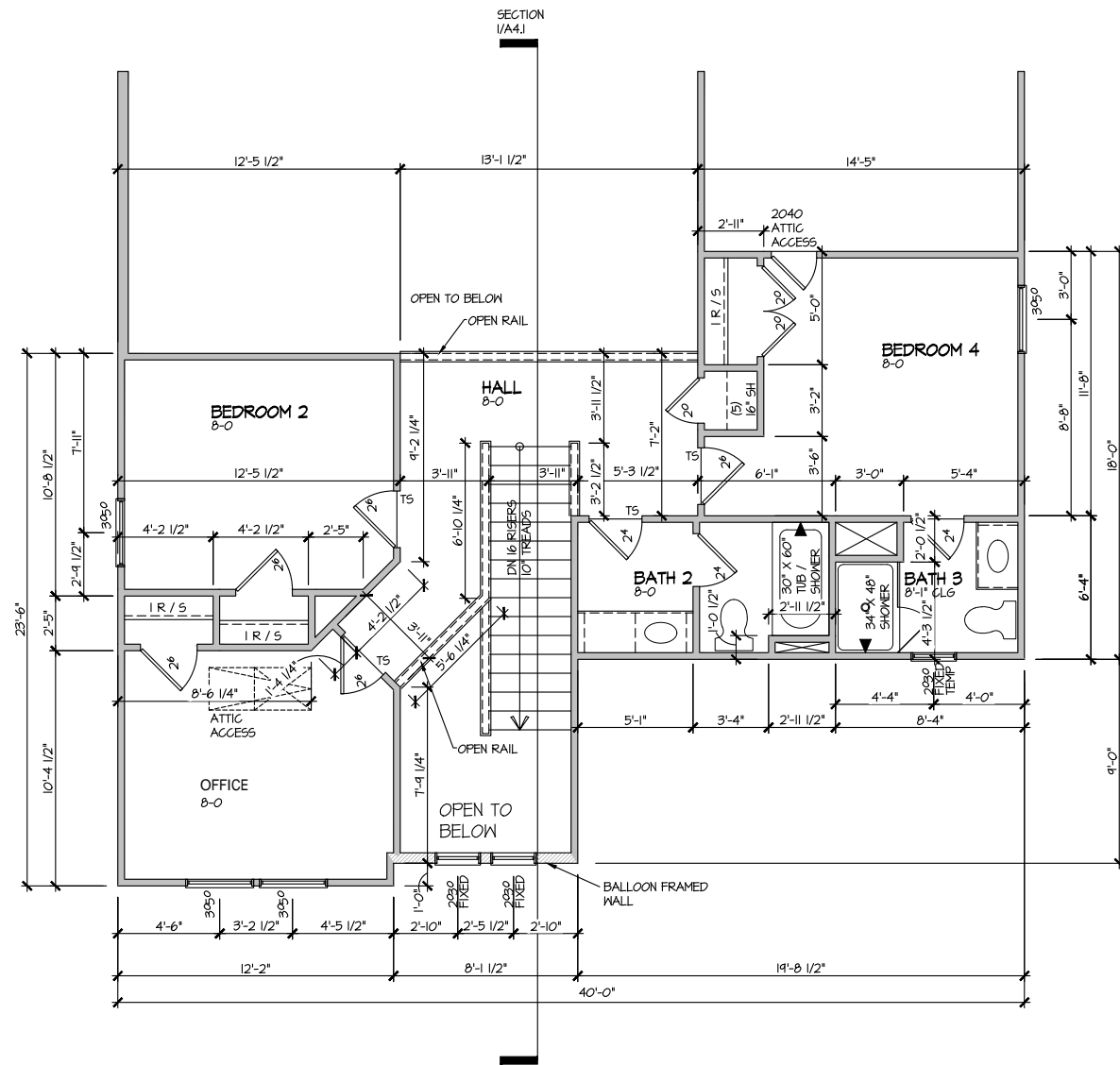
UPDATED DATE 06-05-2024

DRAWN BY: ITS  
DATE: 09/27/2024  
PLAN NO. 2183



HOUSE NAME: MIDDLETON  
DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. A3.1



ELEVATION 10  
SECOND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

REVISION  
2-RALE

DATE  
3-20-2024

DRAWN BY:  
ITS

DATE:  
09/27/2024

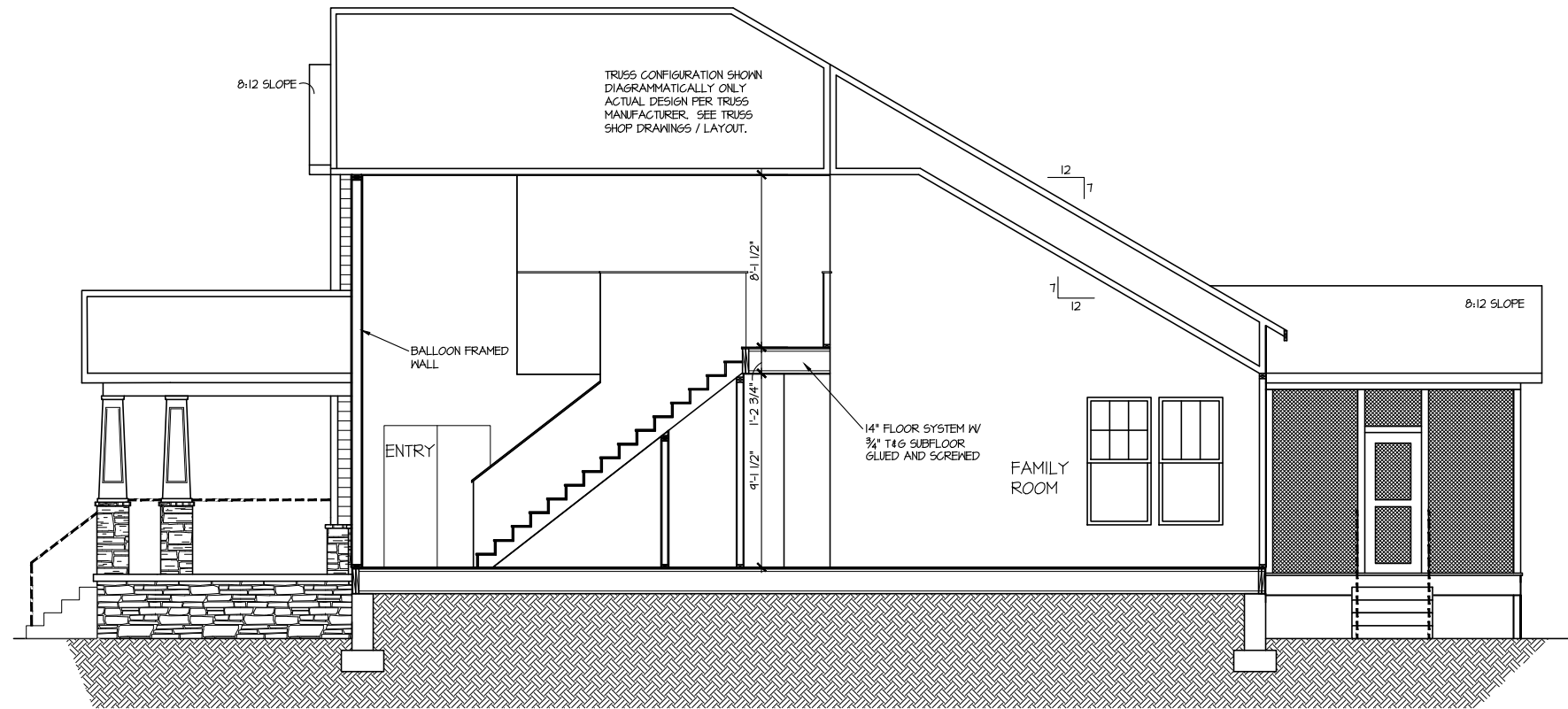
PLAN NO.  
2183

MASTER PLAN INFORMATION



HOUSE NAME:  
MIDDLETON  
DRAWING TITLE  
SECOND FLOOR PLAN

SHEET No.  
A3.2



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

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

UPDATED DATE  
06-05-2024

MASTER PLAN INFORMATION  
REVISION DATE 3-20-2024  
2-RALE

DRAWN BY: ITS  
DATE: 09/27/2024  
PLAN NO. 2183

**DRB**  
HOMES

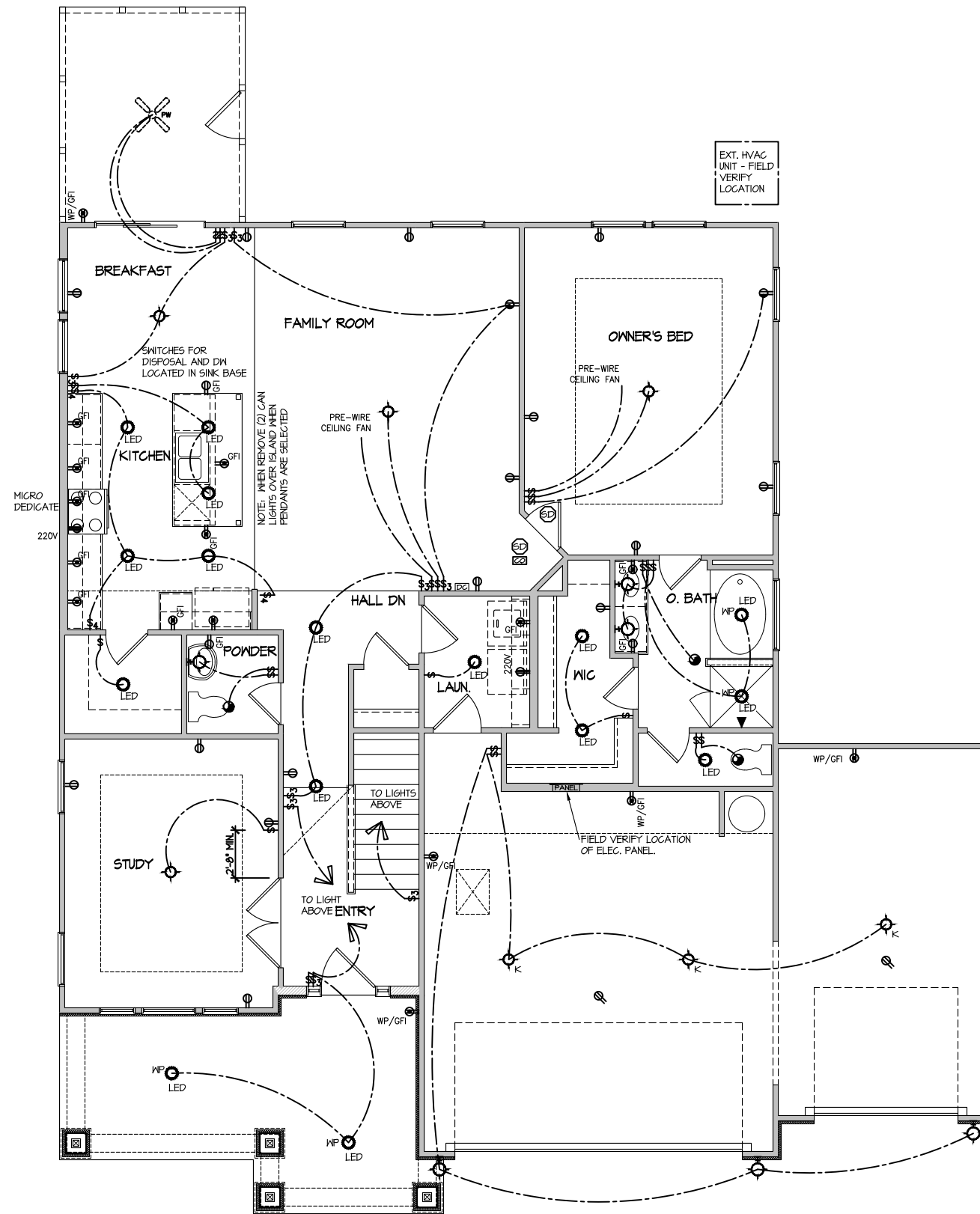
HOUSE NAME: MIDDLETON  
DRAWING TITLE: BUILDING SECTION

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
	CO DETECTOR
	DOOR CHIME
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - CEILING MOUNTED
	LIGHT FIXTURE - LED SURFACE MOUNTED
	PULLCHAIN LAMPHOLDER
	KEYLESS LAMPHOLDER

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.



FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

ELECTRICAL PLAN  
FIRST FLOOR - ELEV. 10  
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
UPDATED DATE	06-05-2024

DRAWN BY:	ITS
DATE:	09/27/2024
PLAN NO.	2183

**DRB**  
HOMES

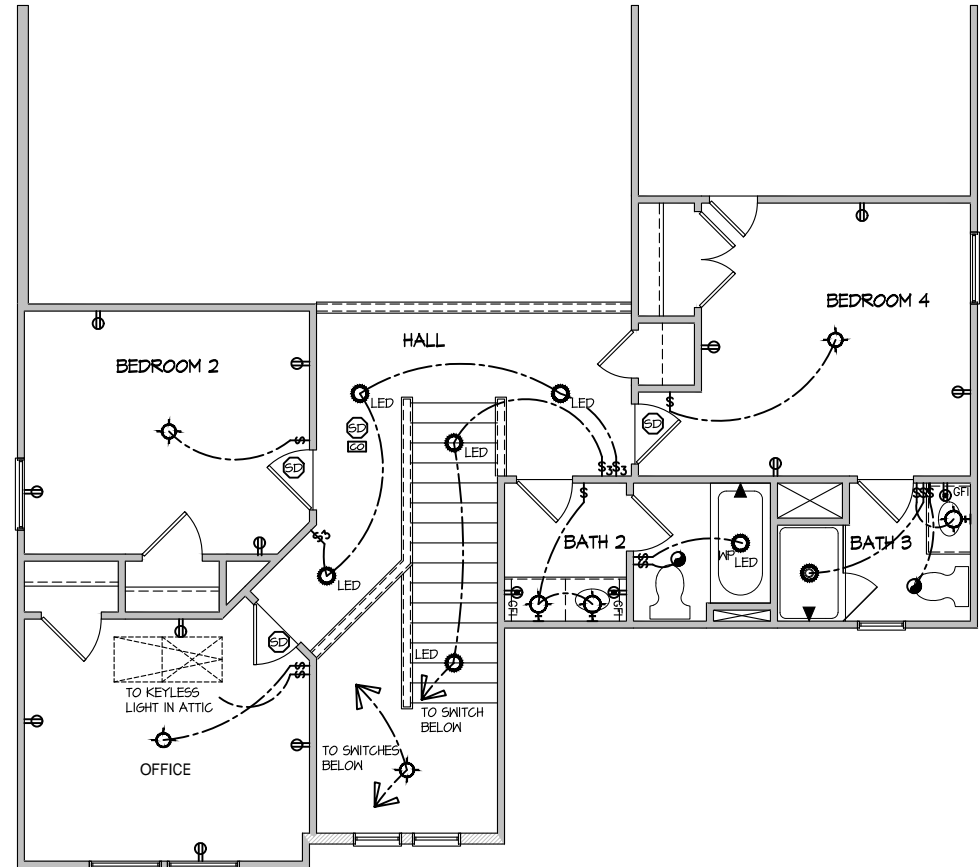
HOUSE NAME:  
MIDDLETON  
DRAWING TITLE  
FIRST FLOOR ELECTRICAL

SHEET No.  
1.1

**ELECTRICAL LEGEND**

- ⊡ SINGLE POLE SWITCH
- ⊡<sub>3</sub> THREE WAY SWITCH
- ⊡<sub>4</sub> FOUR WAY SWITCH
- ⊡-⊡ DUPLEX AFCI RECEPTACLE
- ⊡-⊡ (bottom) 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
- ⊡ (SD) SMOKE DETECTOR - WIRED IN SERIES
- ⊡ EXHAUST FAN MOTOR
- ⊡ CO DETECTOR
- ⊡ DOOR CHIME
- ⊡ (H) LIGHT FIXTURE - WALL MOUNTED
- ⊡ (C) LIGHT FIXTURE - CEILING MOUNTED
- ⊡ (LED) LIGHT FIXTURE - LED SURFACE MOUNTED
- ⊡ (P) FULLCHAIN LAMPHOLDER
- ⊡ (K) KEYLESS LAMPHOLDER

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.



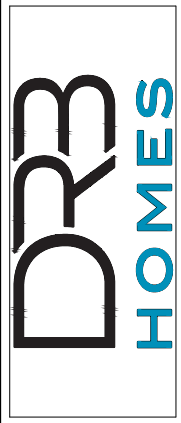
**ELECTRICAL PLAN  
SECOND FLOOR - ELEV. 10**

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

FILE: Lot\_00.0009.dwg DATE: 9/27/2024 1:02 PM

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
UPDATED DATE	06-05-2024

DRAWN BY:	ITS
DATE:	09/27/2024
PLAN NO.	2183



HOUSE NAME: MIDDLETON  
DRAWING TITLE: SECOND FLOOR ELECTRICAL

SHEET No. 1.2

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

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

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 FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA.
MARBLE FLOORS - CONTACT MKR FOR MARBLE FLOOR DESIGNS
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.
METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS.
EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C.
ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SP) LUMBER.

HOLD-DOWN SCHEDULE

Table with 2 columns: SYMBOL, SPECIFICATION. Rows include HD-1 SIMPSON HIT4 HOLD-DOWN, HD-2 SIMPSON MSTC66 STRAP TIE, HD-3 SIMPSON 5THD14/14R1J HOLD-DOWN.

ALTERNATIVE TO SD2.B4 ANCHOR BOLT SPECIFICATION:
UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN 5/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION.

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 LITELS:
SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40 PPH MAXIMUM HEIGHT.
SHALL HAVE 4" MIN BEARING.
SHALL HAVE 8" MIN BEARING.

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:
120 MPH WIND IN 2018 NCSEBG: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 1604) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NCSEBG: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 NCSEBG: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.
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 0.113" 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.

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.
UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN 5/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION.

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.
ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.

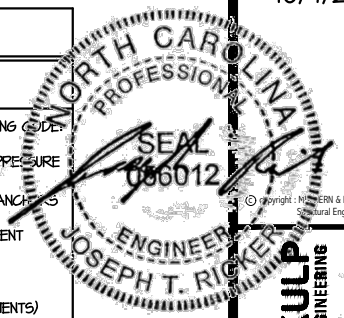
INDICATES EXTENT OF INT. OSB SHEARWALL OR 3" O.C. OSB SHEARWALL
INDICATES HOLD-DOWN BELOW

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE, RESIDENTIAL CODE.
FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED.
BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C.
CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.
BASEMENT FOUNDATION WALL DESIGN BASED ON:
BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SC, ML-CL, OR CL).

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



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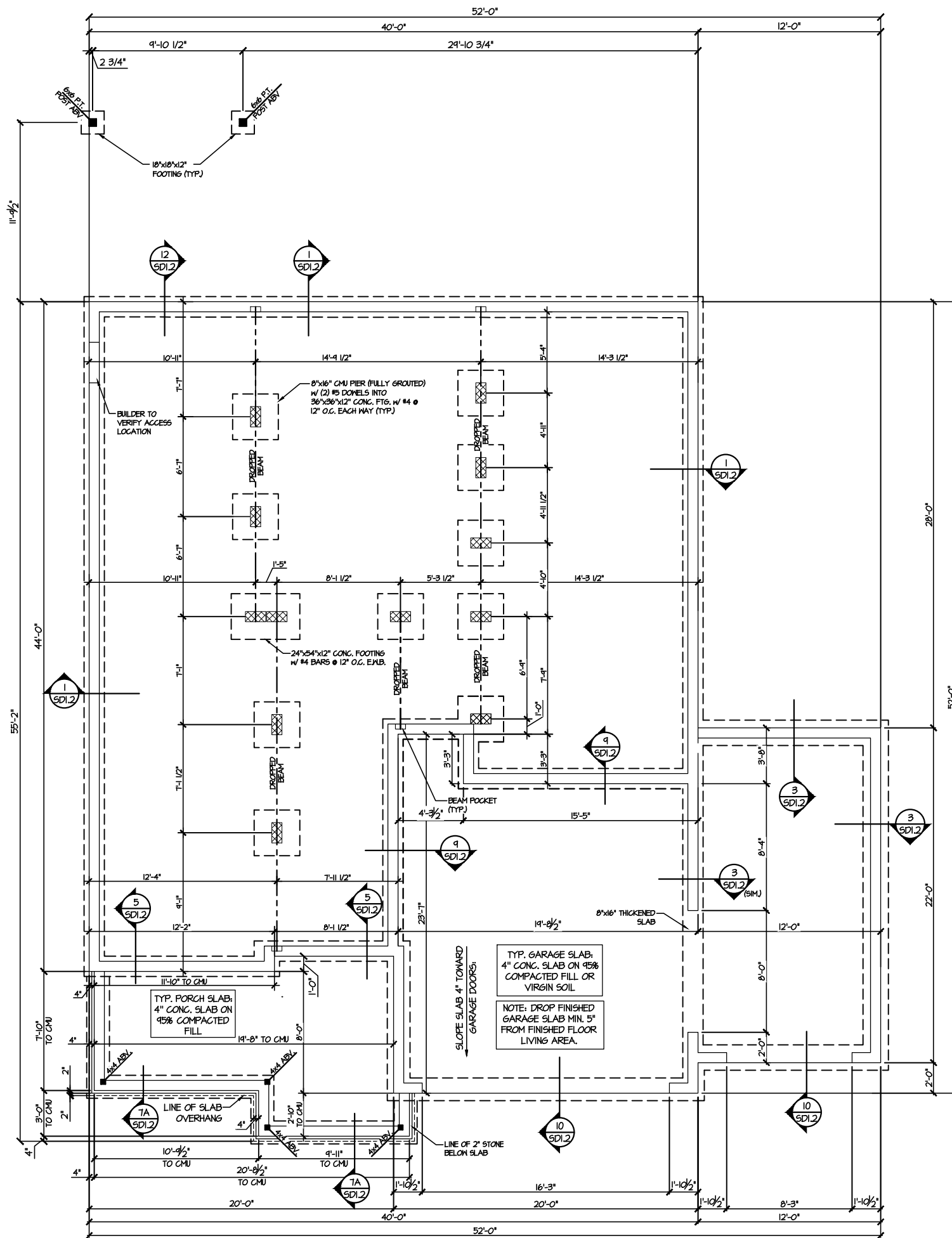
M&K project number: 126-24045
project mgr: JTR
drawn by: JAD
issue date: 09-09-24

REVISIONS:
09-19-24 JAD
10-07-24 JAD



STRUCTURAL NOTES
CAMPBELL RIDGE
LOT 9 - MIDDLETON 10
RALEIGH, NC

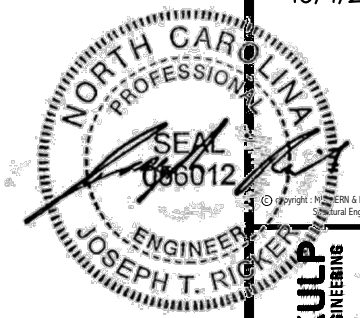
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SO.0



**1 CRAWLSPACE FOUNDATION 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 SO.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES



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M&K project number:  
**126-24045**

project mgr: JTR  
drawn by: JAD  
issue date: 09-09-24

REVISIONS:

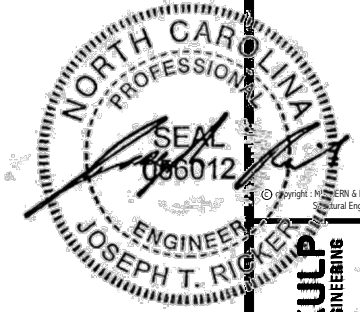
09-19-24	JAD
10-07-24	JAD



FOUNDATION PLANS  
**CAMPBELL RIDGE**  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

sheet:  
**S1.0**





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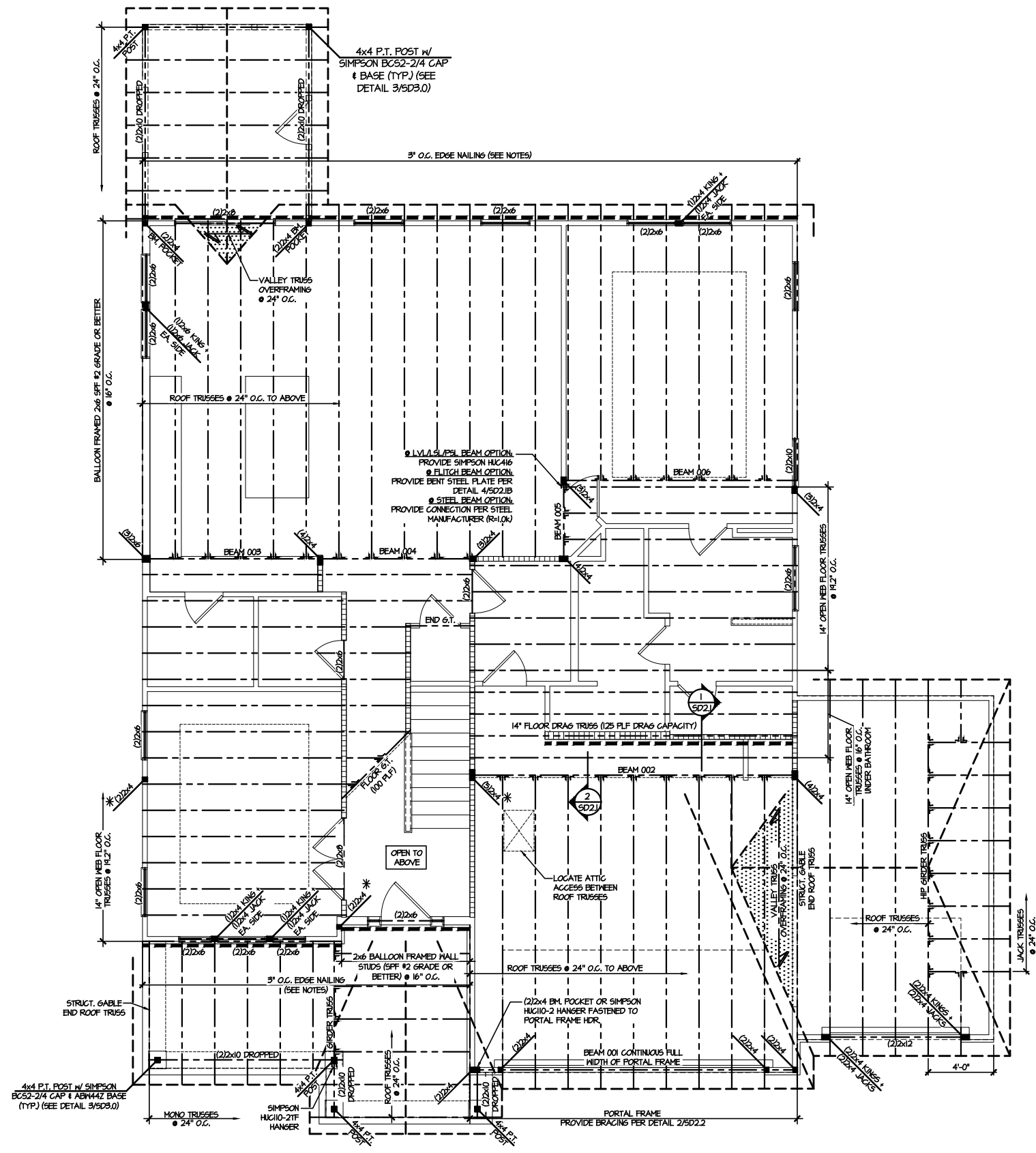


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project mgr: JTR  
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REVISIONS:  
09-19-24 JAD  
10-07-24 JAD

**DRB**  
**HOMES**

FLOOR FRAMING PLANS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

sheet:  
**S3.0**



**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

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

**2ND 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"x17/8" - H	3/2"x17/8" - H	(2)3/4"x17/8" - H	(2)2x12 + (1)1/2"x17/8" STEEL FLITCH PLATE - H	N/A
001A	(2)3/4"x17/8" - H	3/2"x17/8" - H	(2)3/4"x17/8" - H	(2)2x12 + (1)1/2"x17/8" STEEL FLITCH PLATE - H	N/A
002	(2)3/4"x18" - FT	5/4"x18" - FT	N/A	(3)2x12 + (2)3/4"x18" STEEL FLITCH PLATES - FB	W2x19 - F
003	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/2"x14" STEEL FLITCH PLATE - FB	W2x14 - F
004	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/2"x14" STEEL FLITCH PLATE - FB	W2x14 - F
005	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/2"x14" STEEL FLITCH PLATE - FB	W2x14 - F
006	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/2"x14" STEEL FLITCH PLATE - FB	W2x14 - F
007	(2)3/4"x17/8" - F	3/2"x17/8" - F	(2)3/4"x17/8" - F	(2)2x12 + (1)1/2"x17/8" STEEL FLITCH PLATE - FB	W0x12 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/2"x14" STEEL FLITCH PLATE - FB	W2x14 - F
009	(3)3/4"x18" - FT	5/4"x18" - FT	N/A	(4)2x12 + (3)3/4"x18" STEEL FLITCH PLATES - FB	W2x26 - F
010	(3)3/4"x20" - FT	5/4"x20" - FT	N/A	(4)2x12 + (3)3/4"x20" STEEL FLITCH PLATES - FB	W2x36 - F
011	(2)3/4"x17/8" - FB	3/2"x17/8" - FB	(2)3/4"x14" - FB	(2)2x12 + (1)1/2"x17/8" STEEL FLITCH PLATE - FB	W0x12 - FB

**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.



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M&K project number:  
126-24045

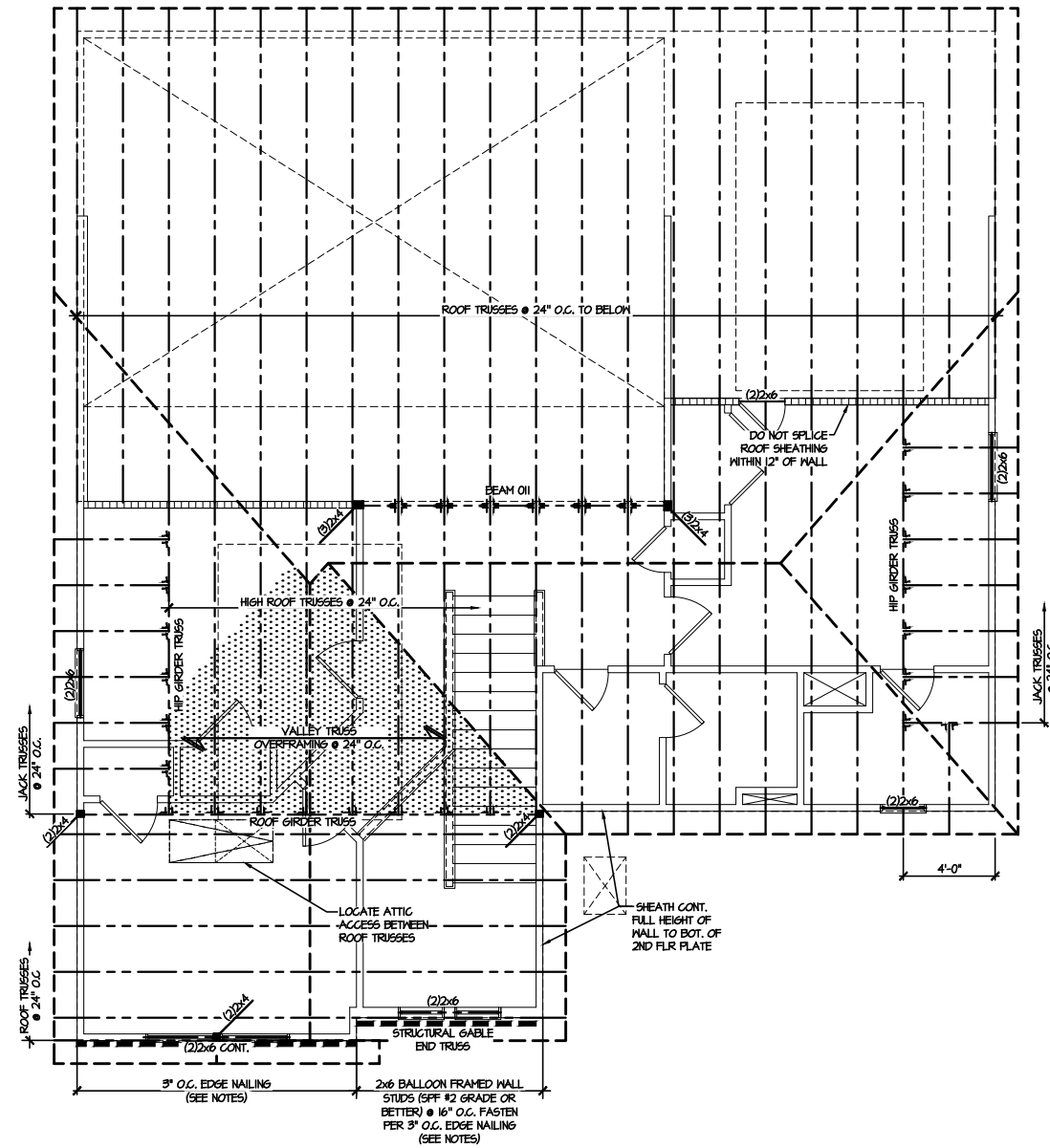
project mgr: JTR  
drawn by: JAD  
issue date: 09-09-24

REVISIONS:	
09-19-24	JAD
10-07-24	JAD

**DRB**  
**HOMES**

ROOF FRAMING PLANS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

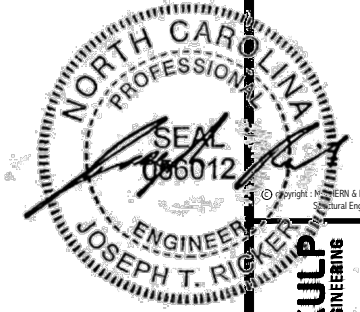
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**S4.0**



**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
	M1 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



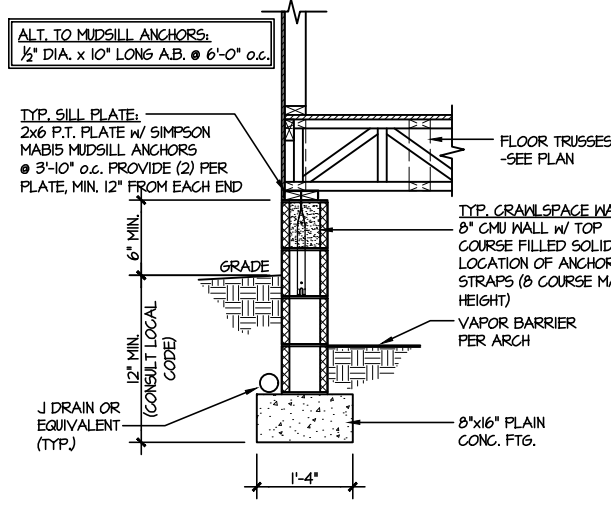
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300 Dunsmuir Ave., Building 4 - Asheville, NC 28802  
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126-24045  
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REVISIONS:  
09-19-24 JAD  
10-07-24 JAD

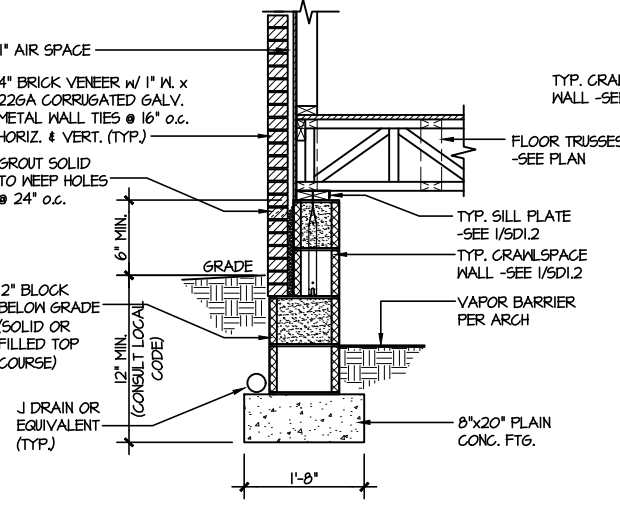


FOUNDATION DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

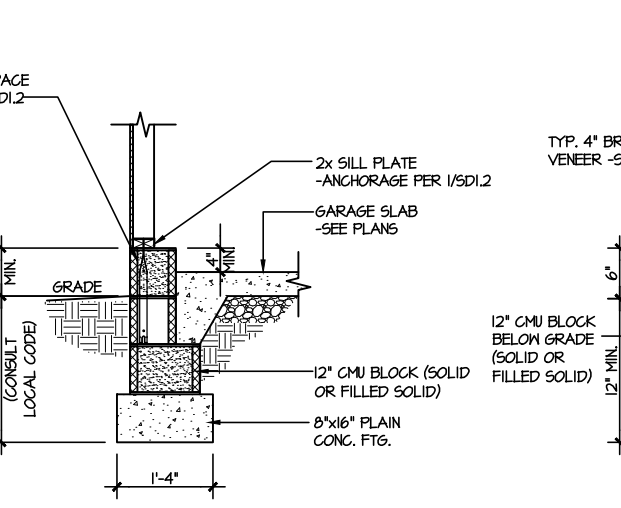
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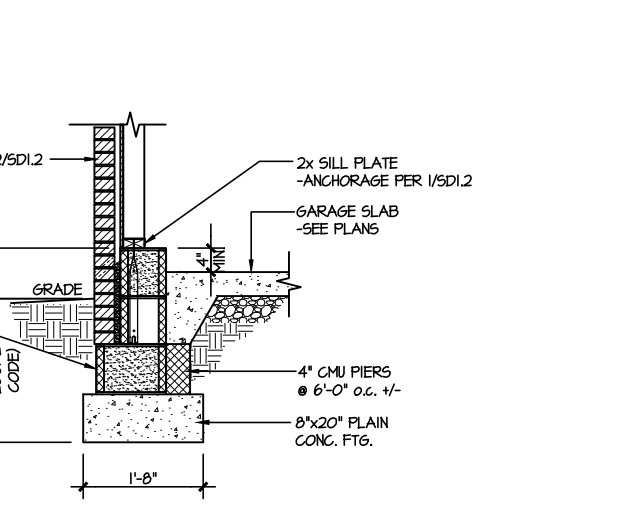
1 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"



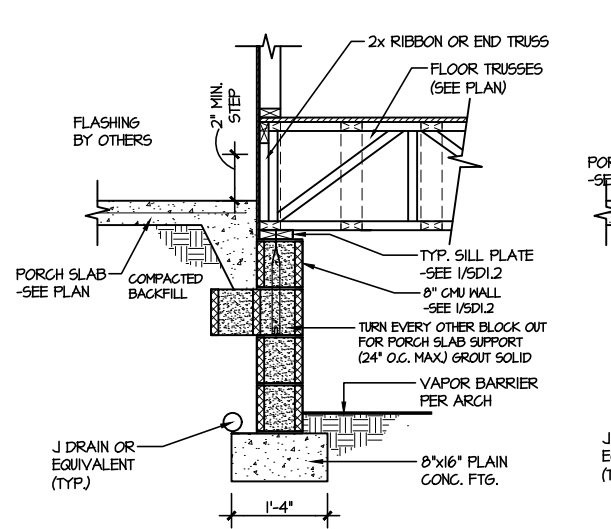
2 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



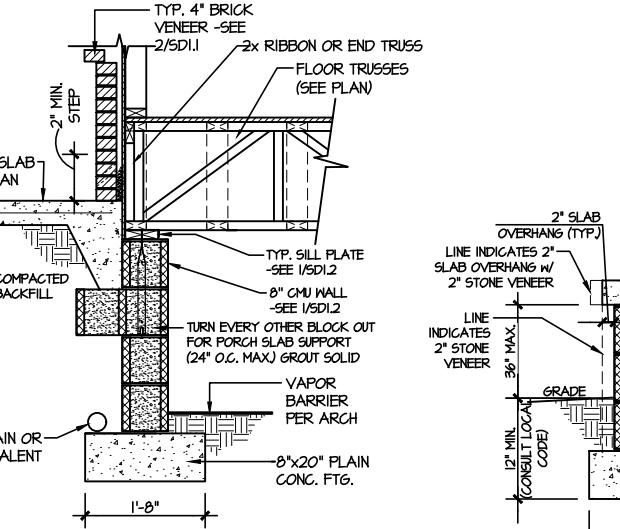
3 TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0"



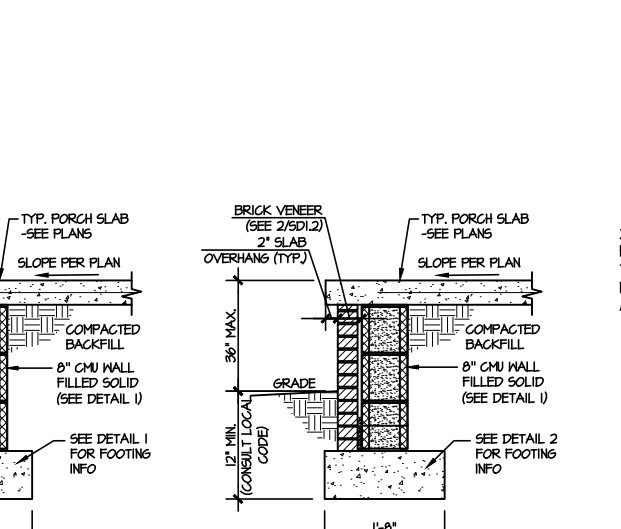
4 TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



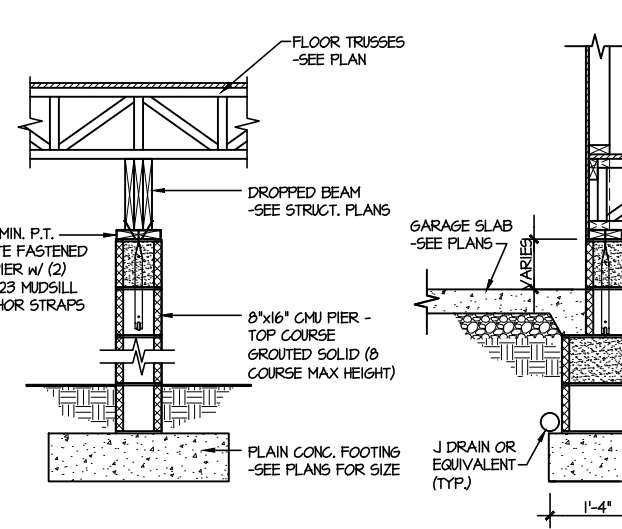
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0"  
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



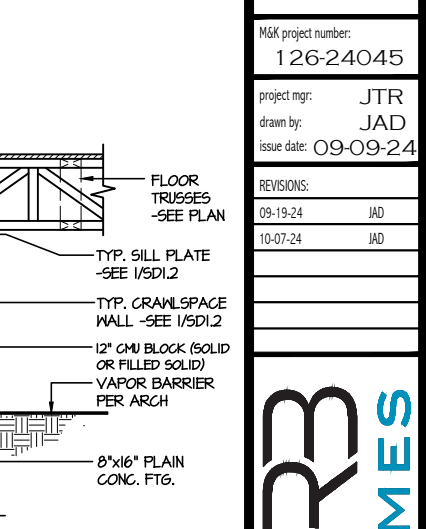
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



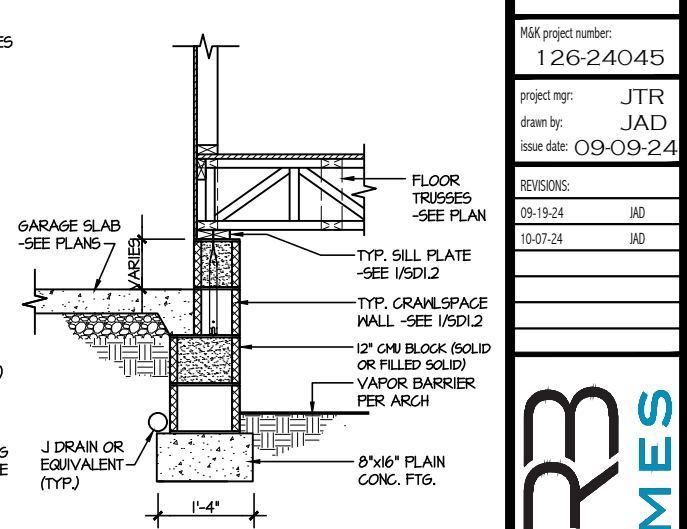
7A TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0"



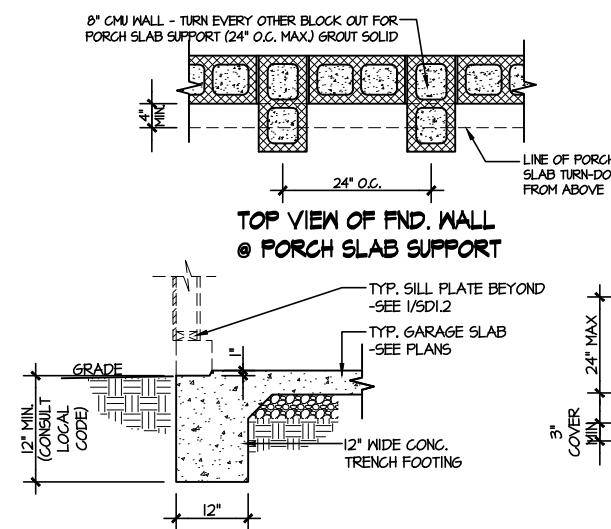
7B TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



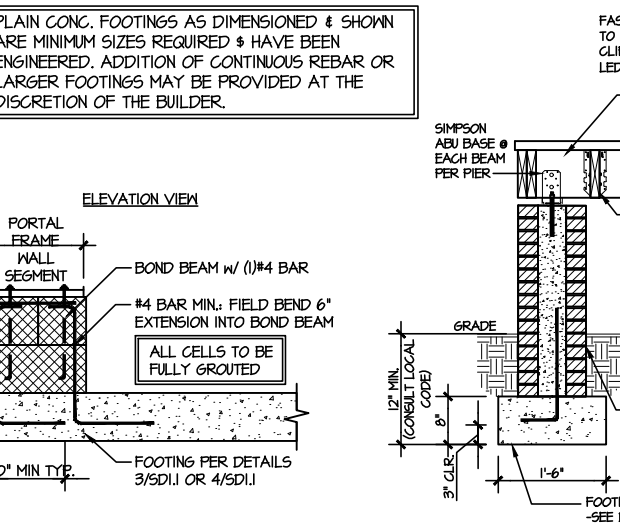
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER  
SCALE: 3/8"=1'-0"



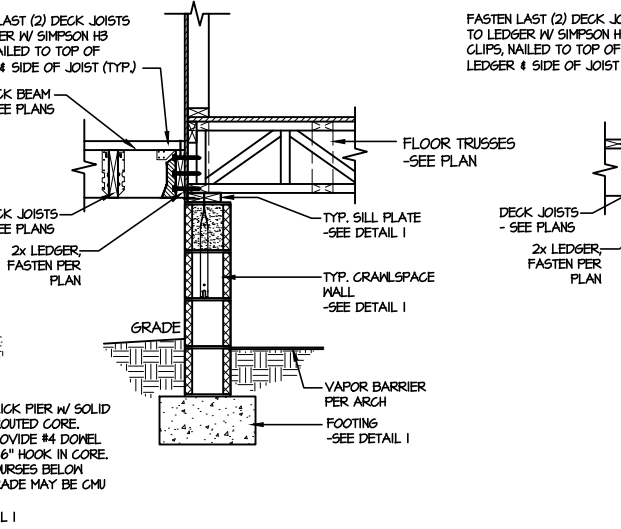
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE  
SCALE: 3/8"=1'-0"



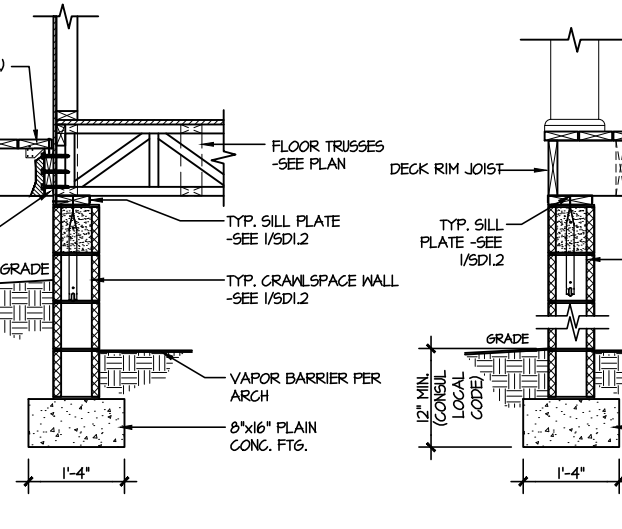
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



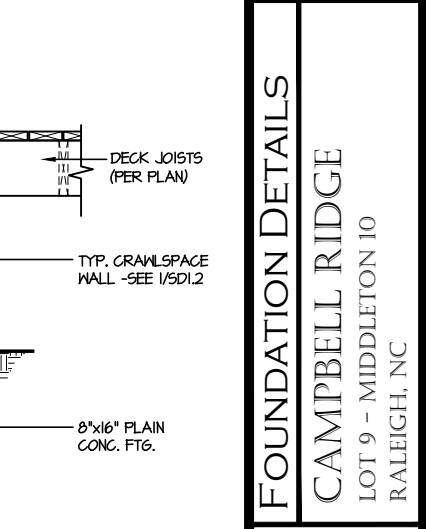
11 GARAGE PORTAL FRAME STEM WALL REINFORCEMENT  
SCALE: 3/8"=1'-0"



12 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK w/ PIERS  
SCALE: 3/8"=1'-0"



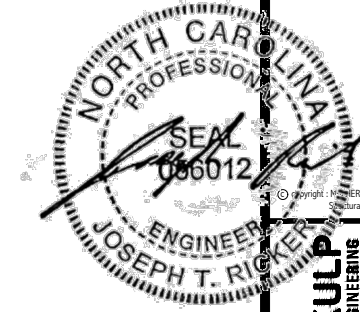
13 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK  
SCALE: 3/8"=1'-0"



14 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK PERIMETER  
SCALE: 3/8"=1'-0"

FILE: RLH - Campbell Ridge - Lot 9 - Structural DATE: 10/7/2024 5:18 PM





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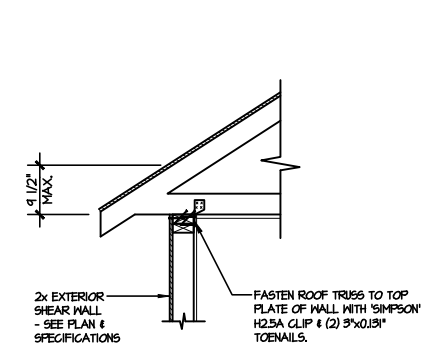
M&K project number:  
**126-24045**  
project mgr: JTR  
drawn by: JAD  
issue date: 09-09-24

REVISIONS:  
09-19-24 JAD  
10-07-24 JAD

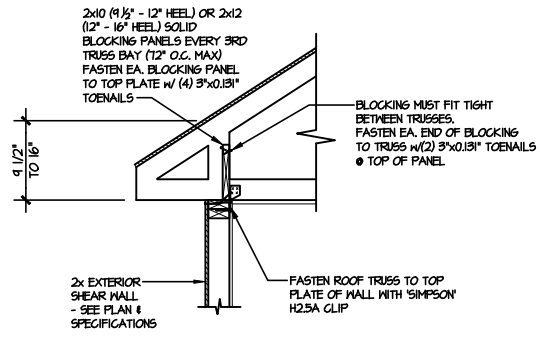
**DRB HOMES**

FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

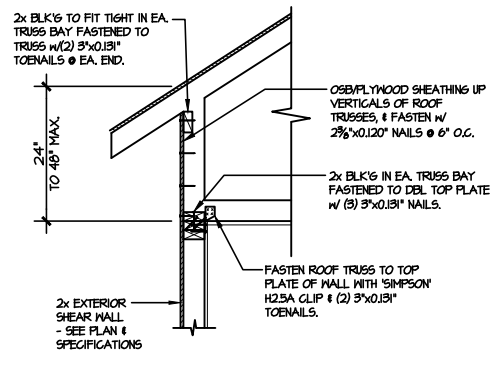
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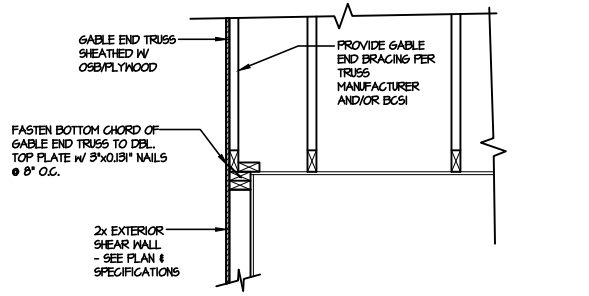
**(A1) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"/>



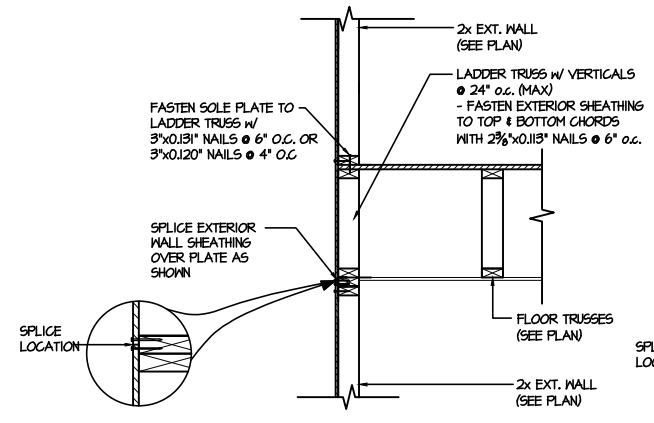
**(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8\"/>



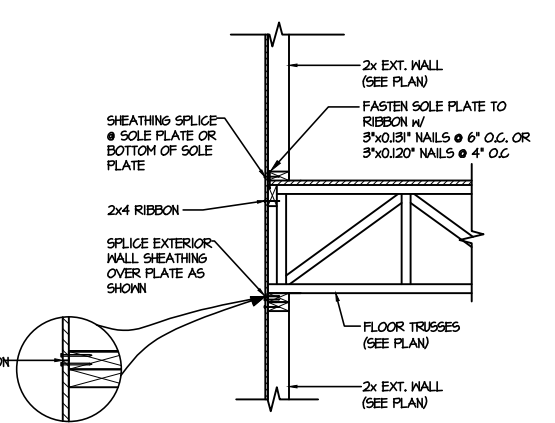
**(A3) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS**  
SCALE: 3/8\"/>



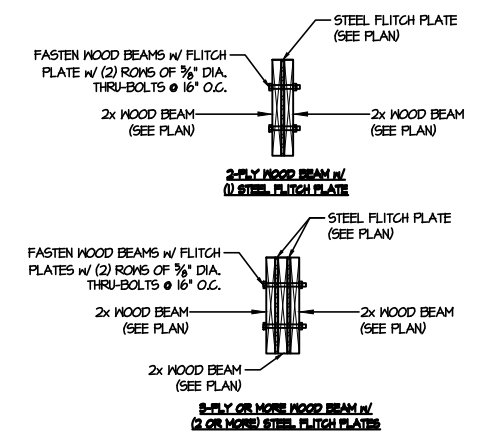
**(B) TYPICAL GABLE END DETAIL**  
SCALE: 3/8\"/>



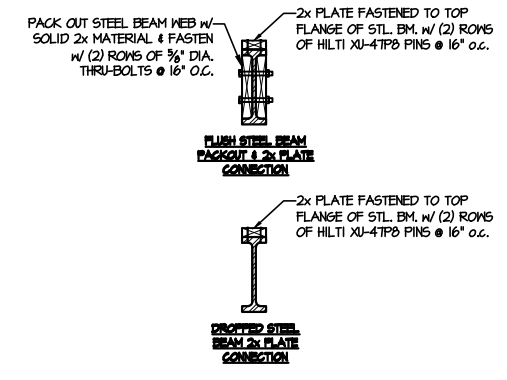
**(C1) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8\"/>



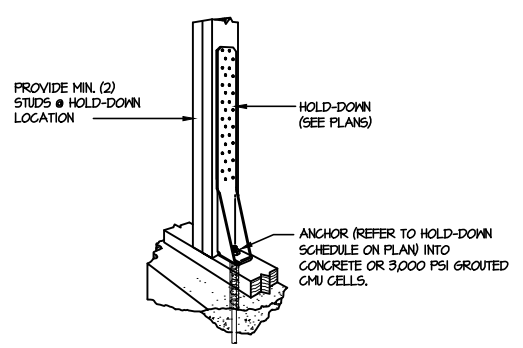
**(C2) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8\"/>



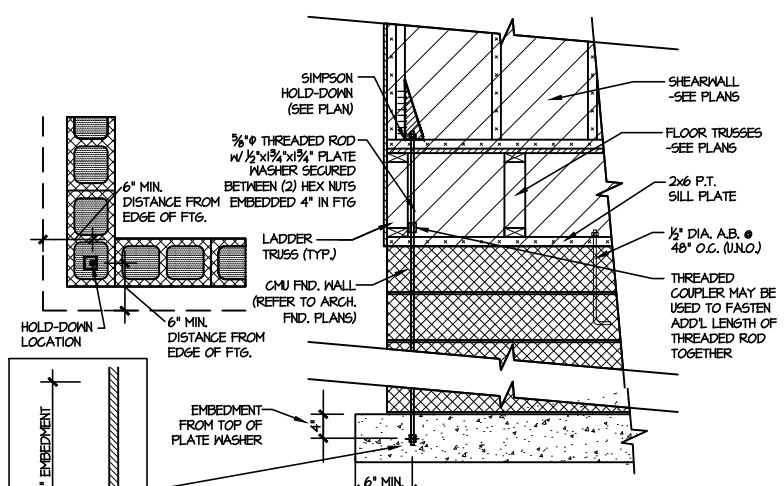
**(D) TYPICAL FLITCH BEAM CONNECTION DETAIL**  
SCALE: 3/4\"/>



**(E) TYPICAL STEEL BEAM CONNECTION DETAIL**  
SCALE: 3/4\"/>



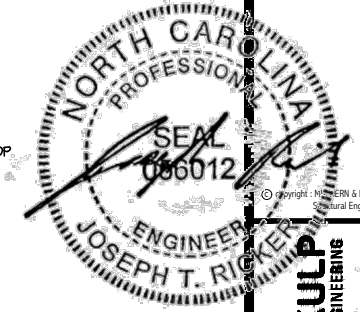
**(F1) TYPICAL HOLD DOWN INSTALLATION**  
SCALE: N.T.S.



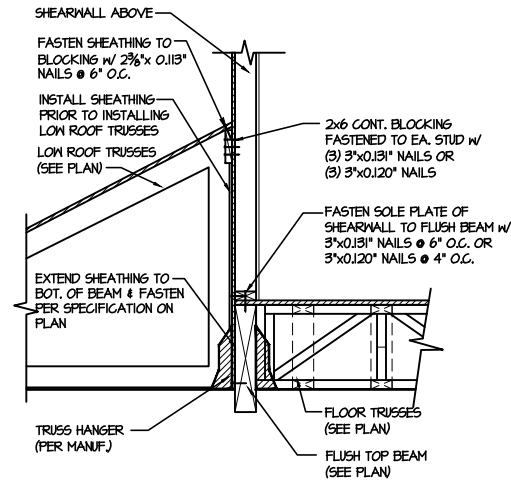
**(F2) TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION**  
SCALE: N.T.S. (CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)

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

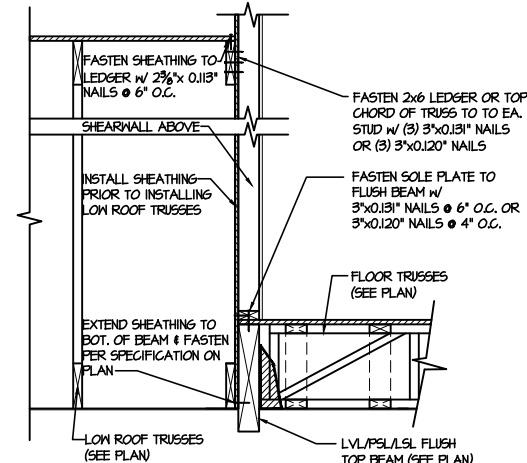
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



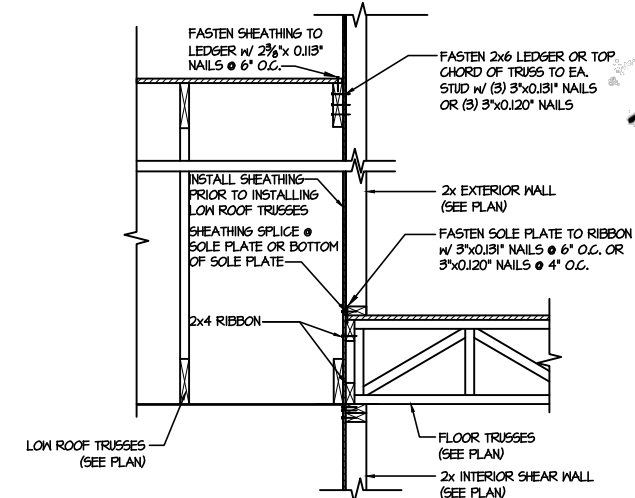
**1** SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0" PARALLEL FRAMING



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



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



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

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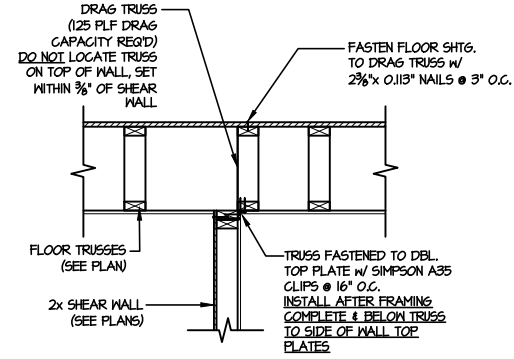
M&K project number:  
126-24045  
project mgr: JTR  
drawn by: JAD  
issue date: 09-09-24

REVISIONS:

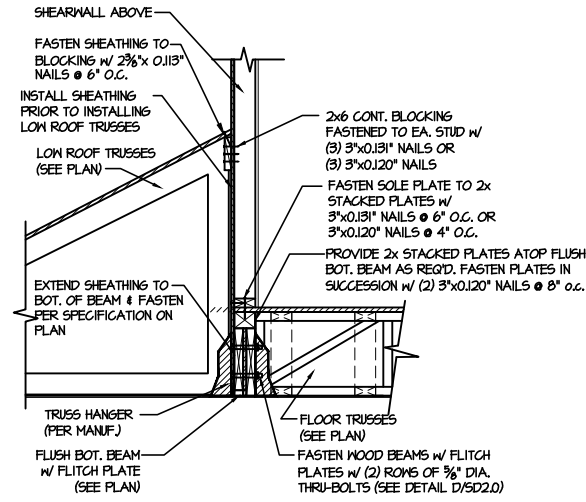
09-19-24	JAD
10-07-24	JAD



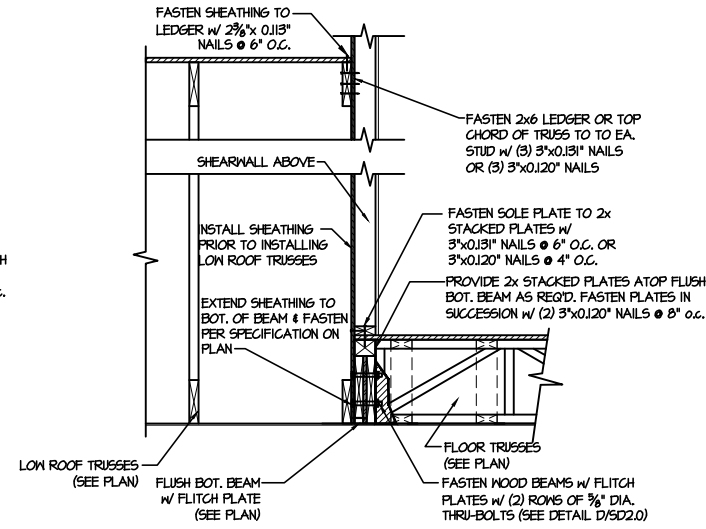
FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC



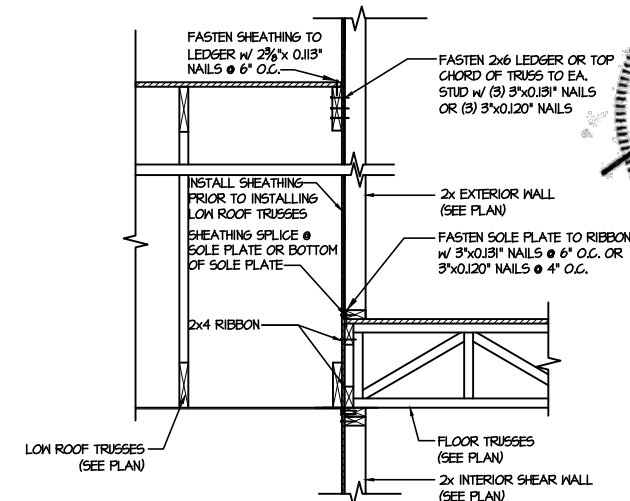
**1** SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0" PARALLEL FRAMING



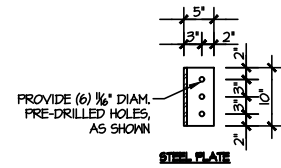
**2** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/8"=1'-0"



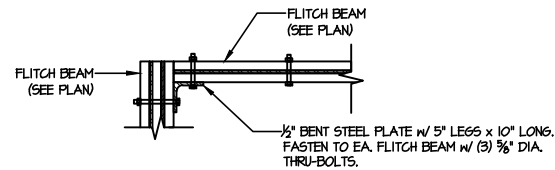
**3** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/8"=1'-0"



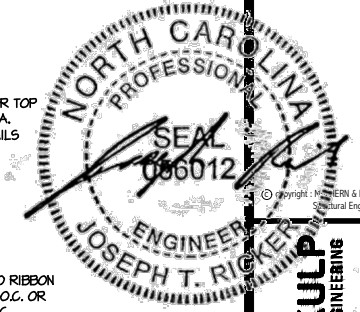
**4** TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



STEEL PLATE



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

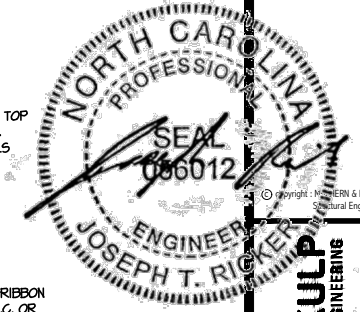


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FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC



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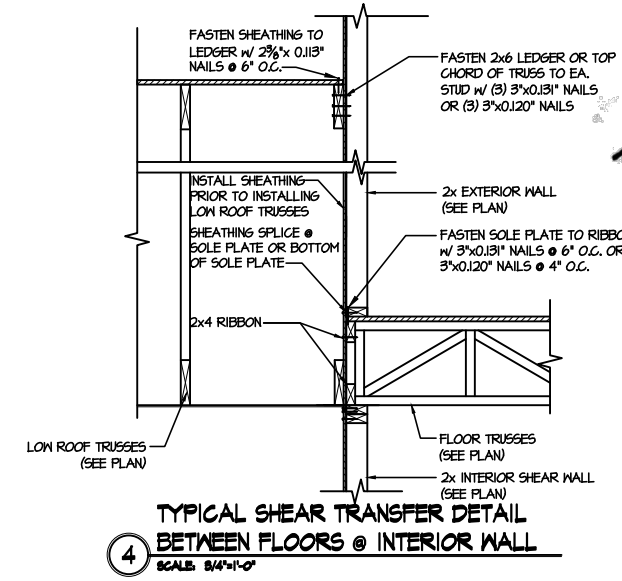
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REVISIONS:	
09-19-24	JAD
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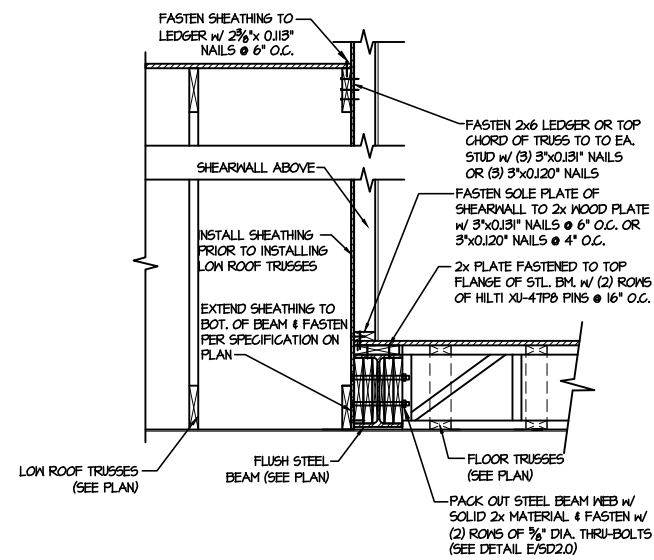
**DRB HOMES**

FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

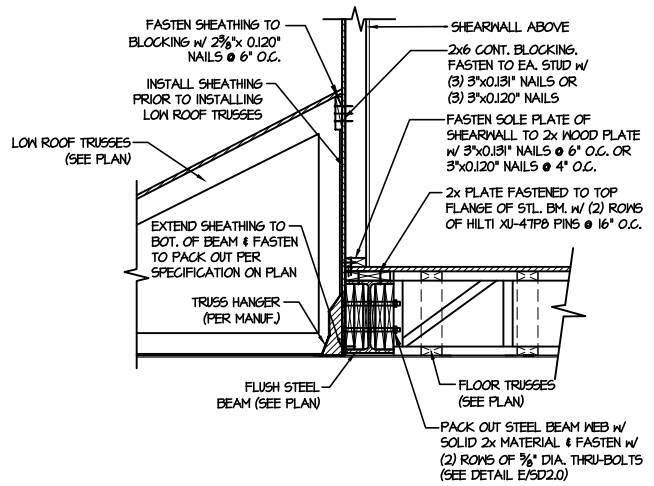
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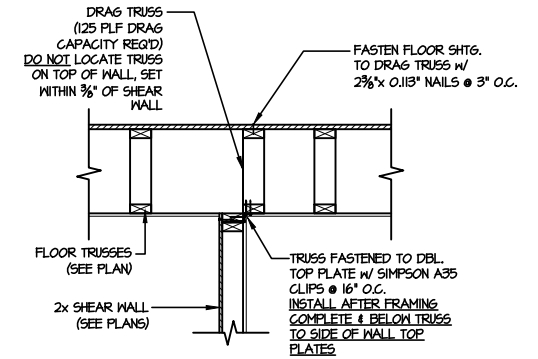
**4** TYPICAL SHEAR TRANSFER DETAIL @ INTERIOR WALL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



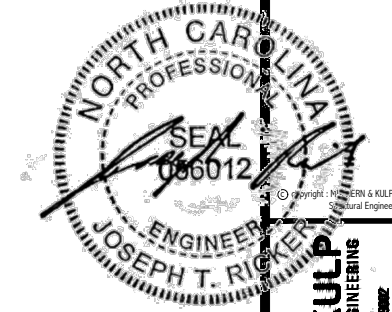
**3** SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/8"=1'-0"



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



**1** SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0" PARALLEL FRAMING



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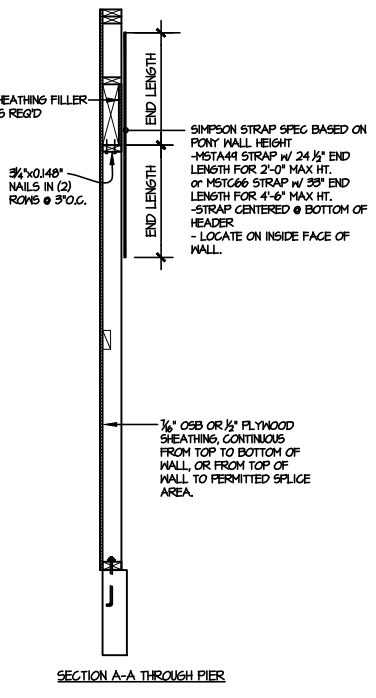
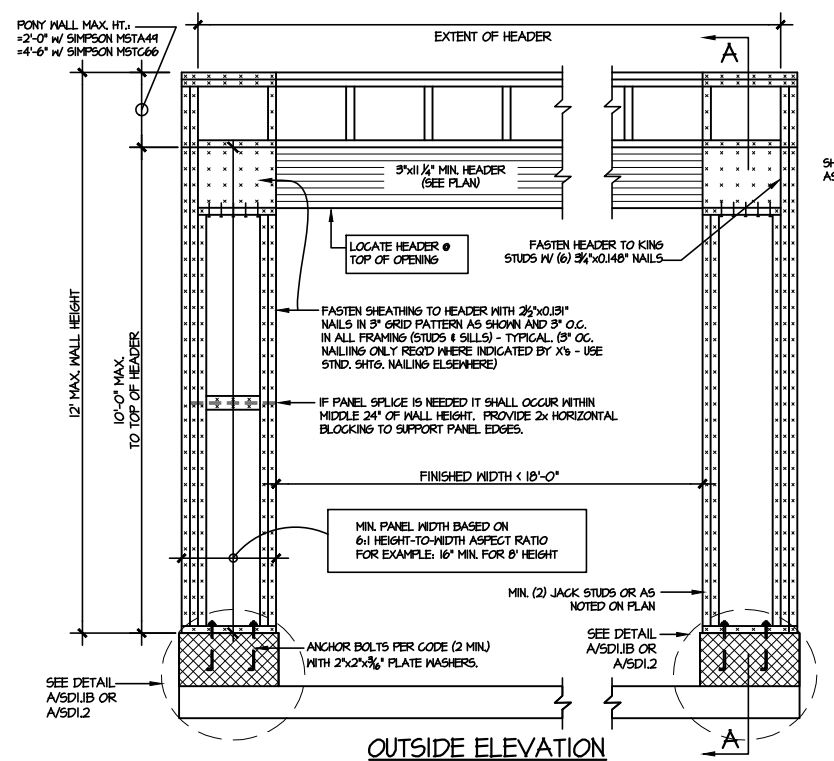
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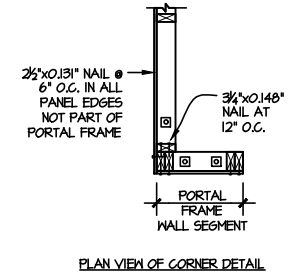
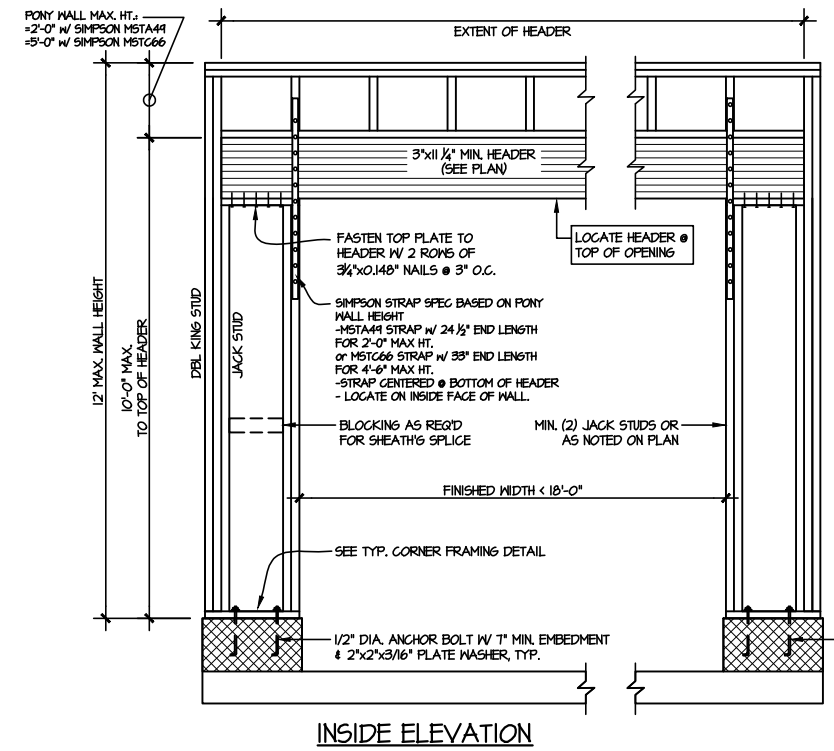
09-19-24	JAD
10-07-24	JAD



FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC



NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 3/4" 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)

**2** TWO SIDED GARAGE PORTAL FRAME BRACING  
ELEVATION ON CMU STEM  
SCALE: N.T.S.



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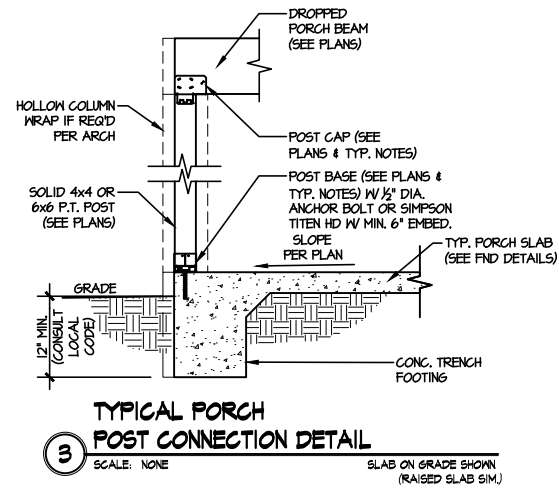
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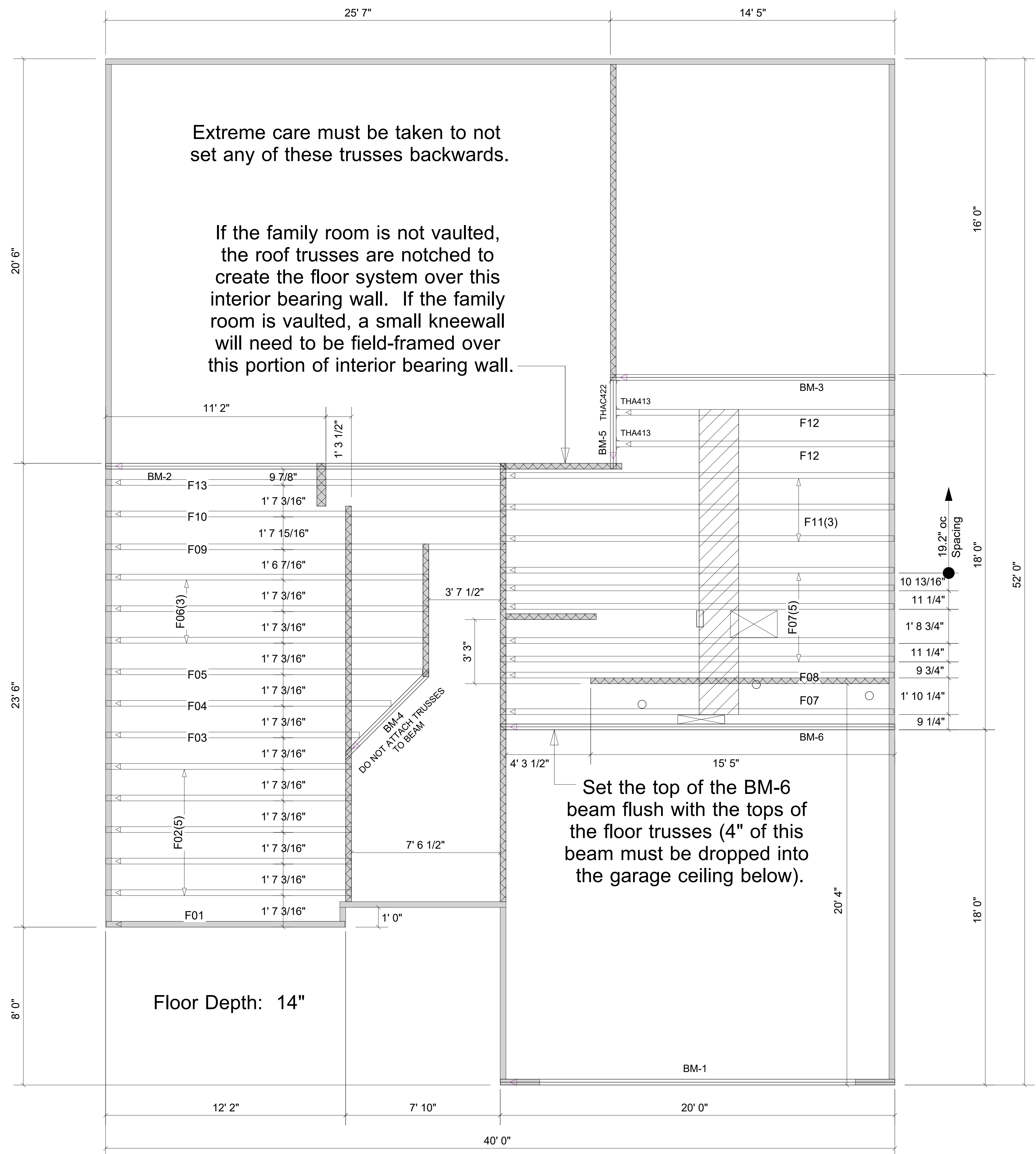
REVISIONS:	
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10-07-24	JAD



FRAMING DETAILS  
CAMPBELL RIDGE  
LOT 9 - MIDDLETON 10  
RALEIGH, NC

sheet:  
**SD3.0**





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

Connector Summary			
Qty	Manuf	Product	Flange
1	Simpson	THAC422	Reverse

Truss Connector Total List		
Manuf	Product	Qty
Simpson	THA413	2

**FOR PERMIT**

Client: DRB GROUP-RALEIGH  
 Job: LOT 0.0009 CAMPBELL RIDGE  
 Plan Information: MIDDLETON-10

NOT TO SCALE  
 Drawn By: CGT  
 Date: 09/04/24  
 Job #: 24-7828-F02  
 Sales Rep: KYLE GIBSON  
 Phone: 864-304-3282

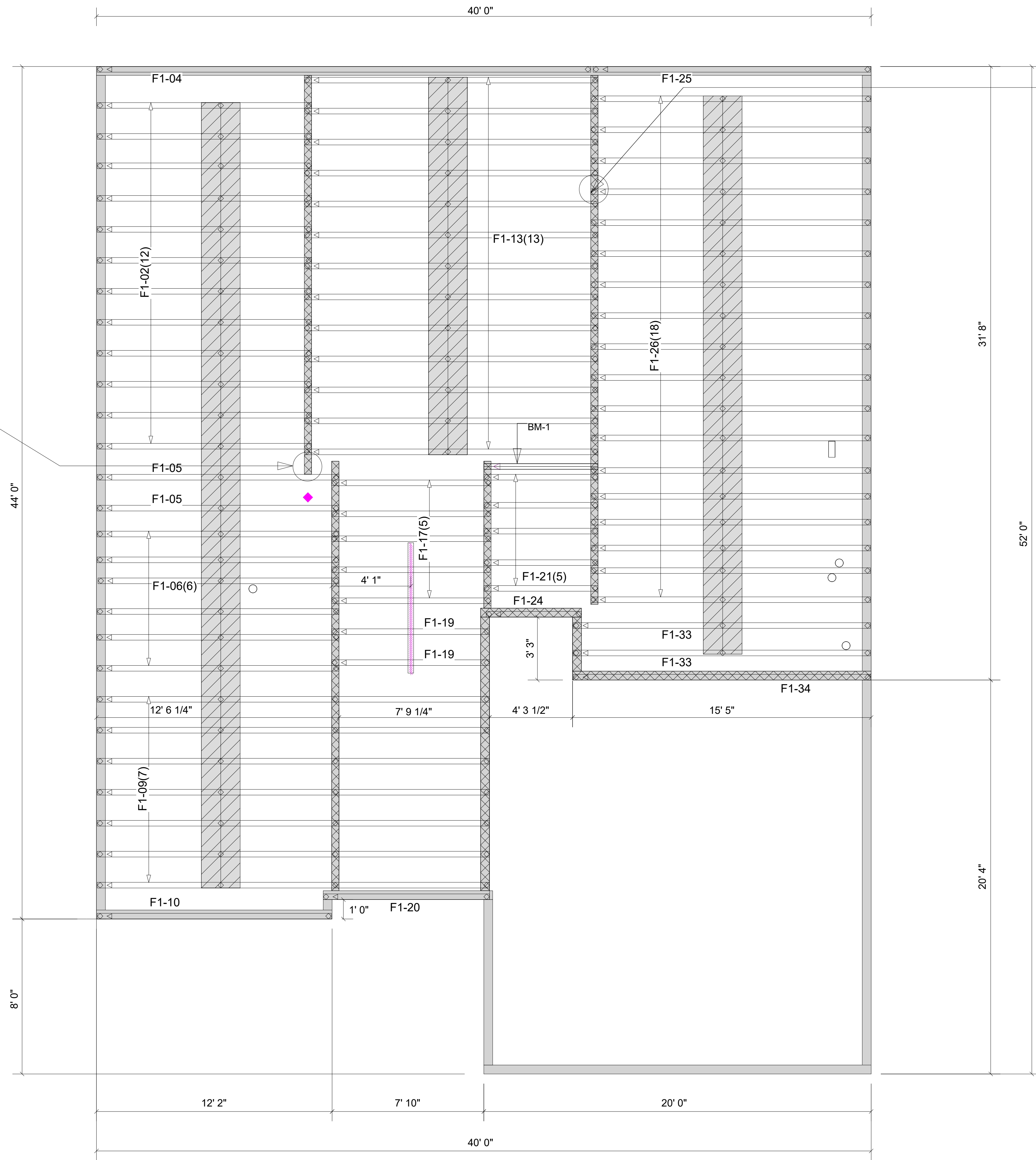
▲ = LEFT END OF TRUSS

REVISIONS:



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

Block solid to the bearing to support the end reactions of the beams in the upper floor system.



These trusses key together using a double, edgewise 2x4 ribbon board.

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

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

Floor Depth: 12"

▲ = LEFT END OF TRUSS

REVISIONS:



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Sparta, NC (336) 372-2226

FOR PERMIT

Client: DRB GROUP-RALEIGH  
Job: LOT 0.0009 CAMPBELL RIDGE  
Plan Information: MIDDLETON-10

NOT TO SCALE  
Date: 09/04/24  
Sales Rep: KYLE GIBSON  
Job #: 24-7828-F01  
Phone: 864-304-3282  
Drawn By: CGT

FLOOR



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

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HTU26	38

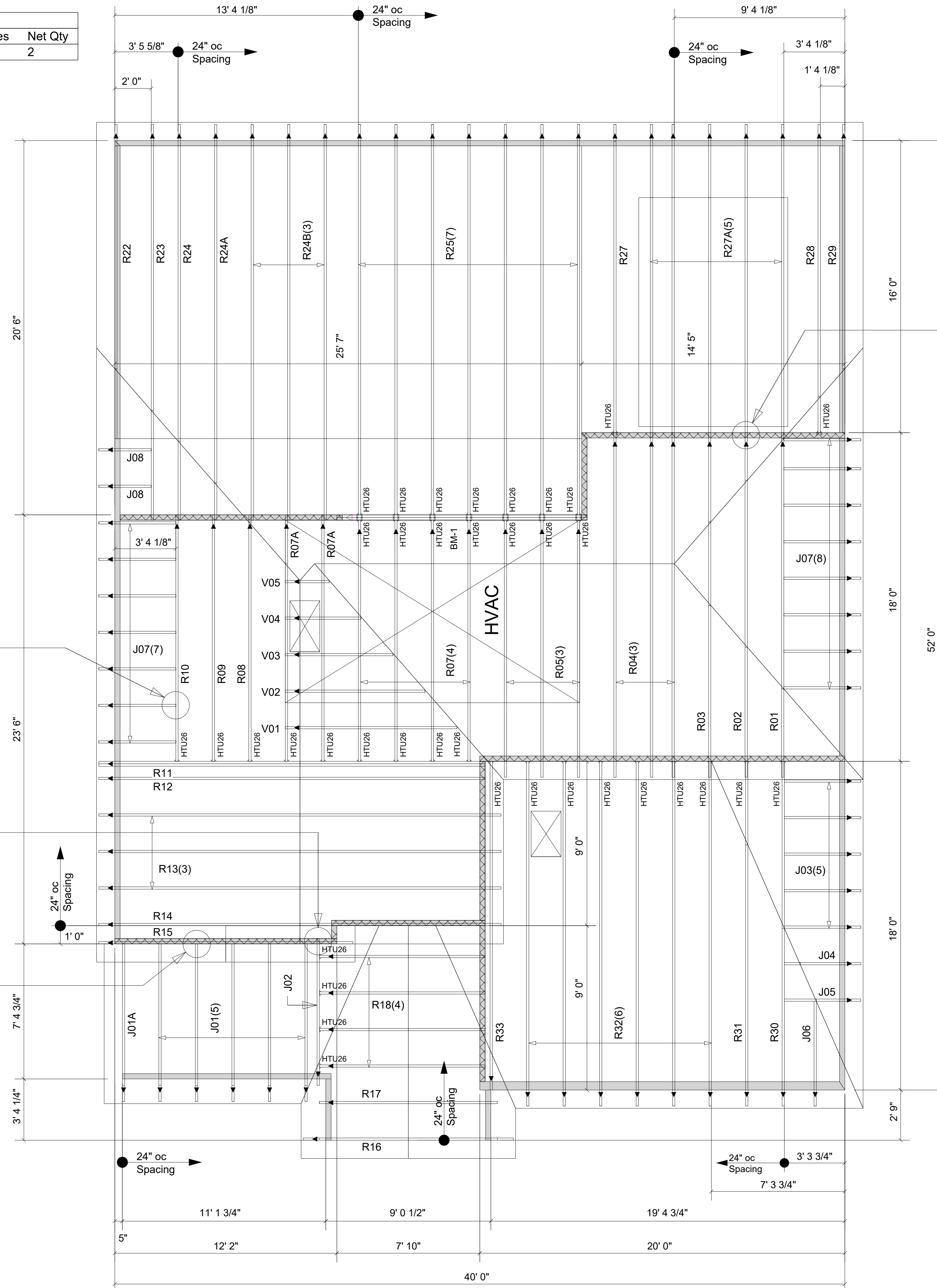
All first-story wall heights are 9-1-8, and all second-story wall heights are 18-5-12 (based on a 14" floor truss depth, and an 8-1-8 second-story wall height), unless otherwise noted.

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

TRUSS TO TRUSS CONNECTIONS ARE 3-10d TOE-NAILS U.N.O.

Notch the kneewall floor truss as needed in the field to allow the J02 roof girder to bear on this wall.

2X4 LEDGER (BY OTHERS) CONNECTED TO STUDS SPACED 16" O.C WITH (3) .128X3.25" NAILS MINIMUM



The R27A trusses are notched to sit on the 14" floor beam, the 3/4" plywood, and a single 2x4 plate.

▲ = LEFT END OF TRUSS

REVISIONS:



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Sparta, NC (336) 372-2226

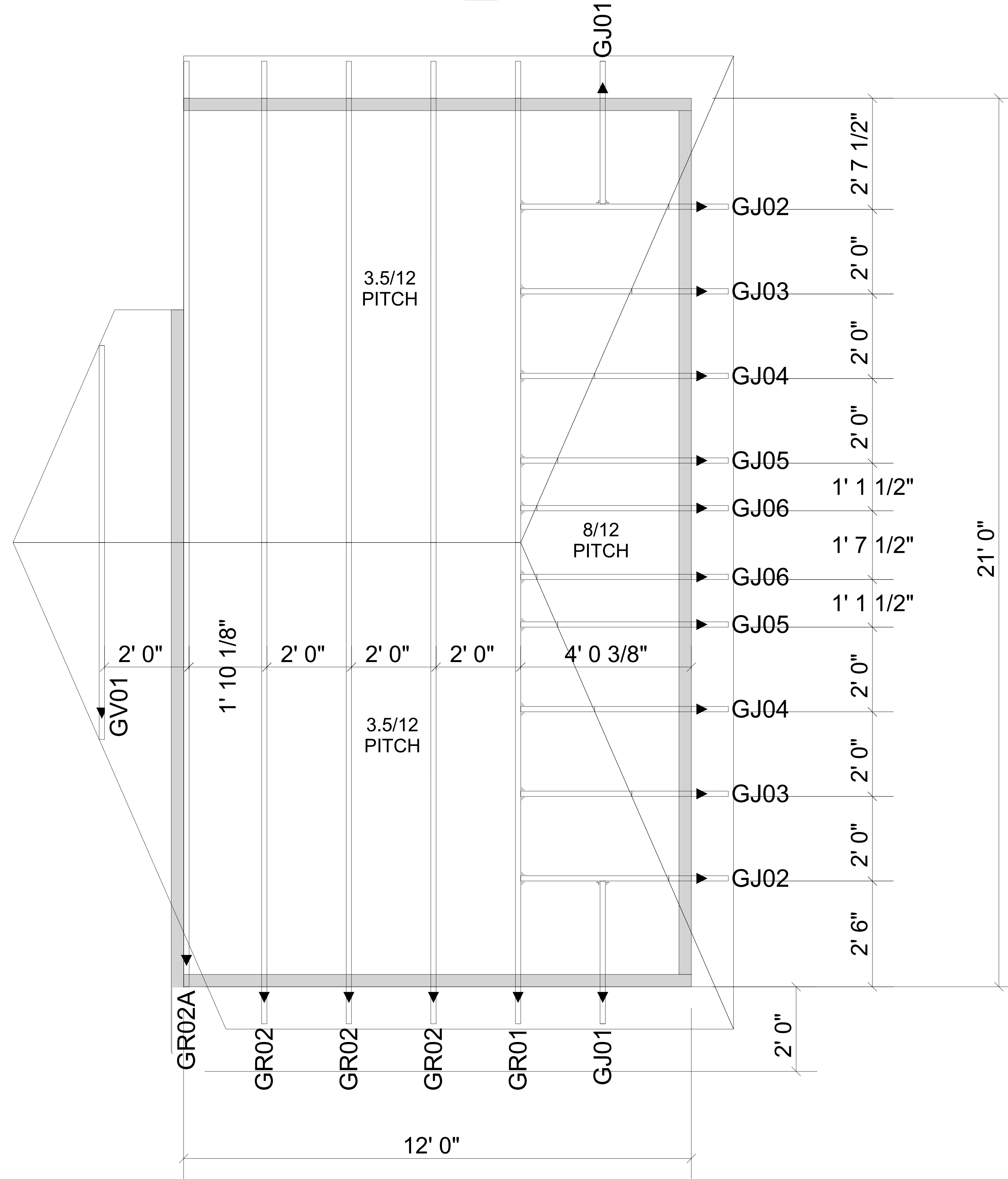
FOR PERMIT

Client: DRB GROUP-RALEIGH		ROOF	
Job: LOT 0.0009 CAMPBELL RIDGE			
Plan Information: MIDDLETON-10			
NOT TO SCALE	Date: 09/04/24		
Drawn By: CGT	Job #: 24-7828-R01	Sales Rep: KYLE GIBSON	
		Phone:	

**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.

TRUSS TO TRUSS CONNECTIONS  
ARE 3-10d TOE-NAILS U.N.O.

1X



▲ = 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 0.0009 CAMPBELL RIDGE

Plan Information:  
MIDDLETON-10

NOT TO SCALE

Drawn By: CGT

Date: 09/04/24

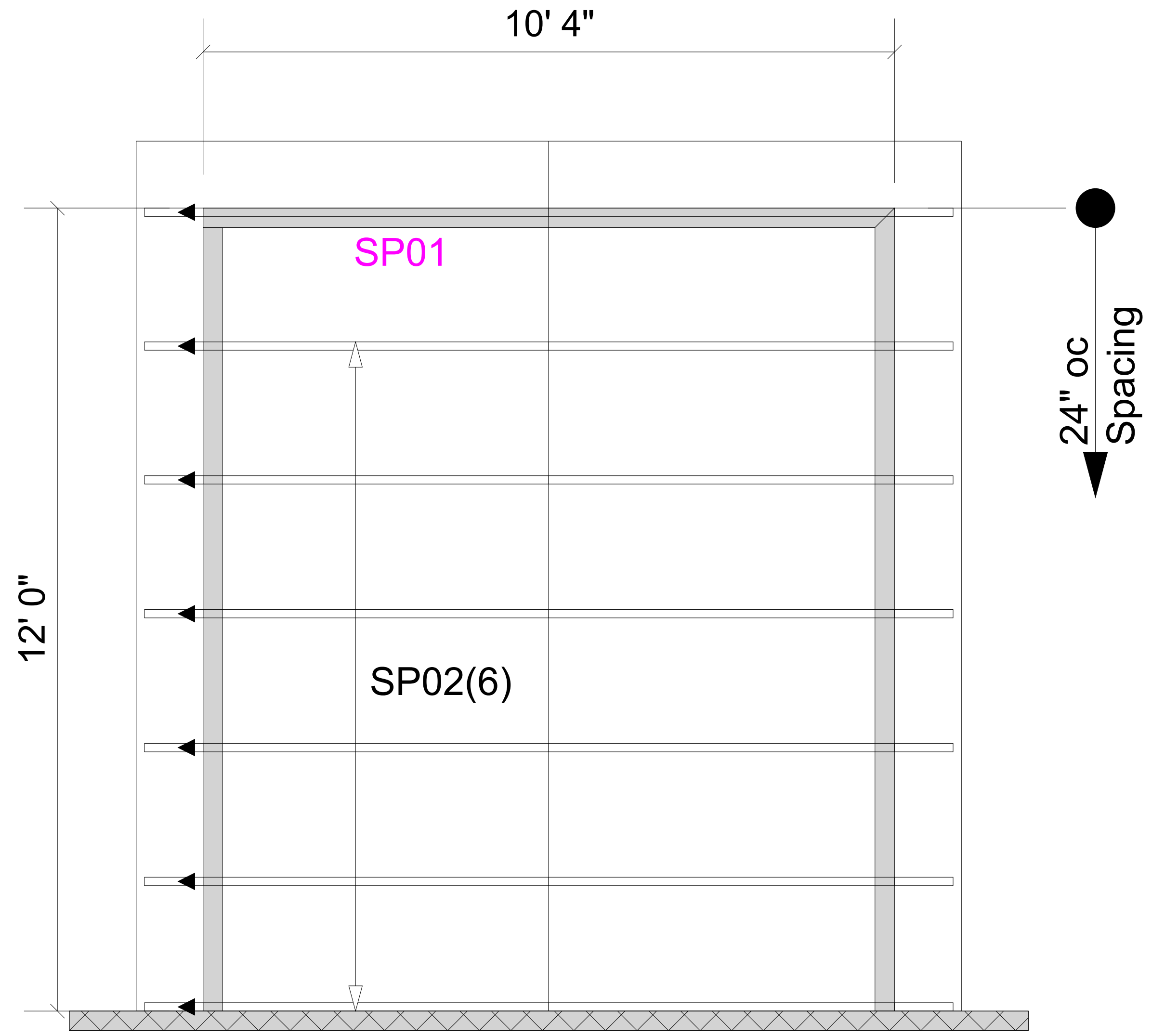
Job #: 24-7828-R01

Sales Rep: KYLE GIBSON

Phone:

ROOF

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▲ = LEFT END OF TRUSS

REVISIONS:



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FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0009 CAMPBELL RIDGE

Plan Information:  
MIDDLETON-10

ROOF

NOT TO SCALE

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