STONEFIELD-RALE

RALEIGH - LOT 00.0002 CAMPBELL RIDGE SF

(MODEL# 1635)

ELEVATION 1 - GR

102 Alden Way

DRB HOMES

INDEX

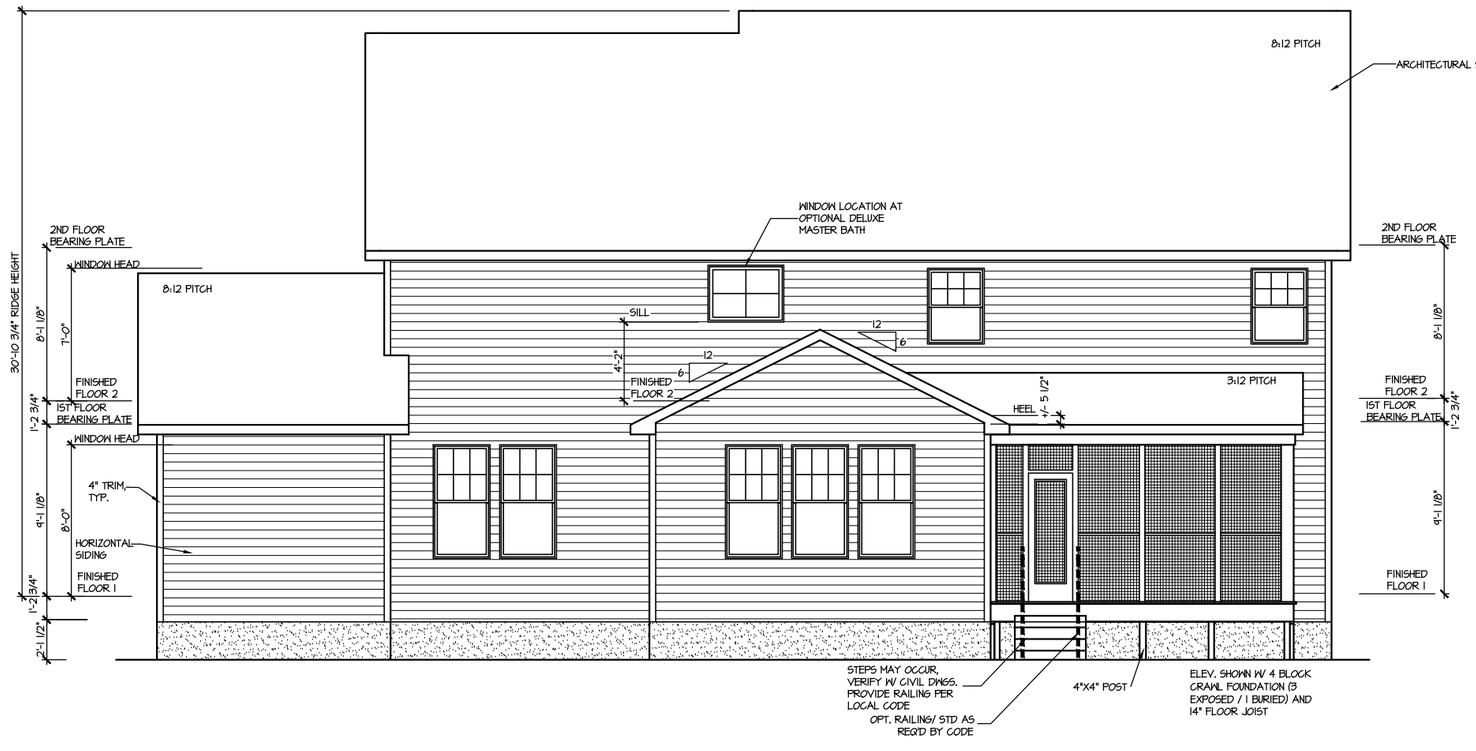
AREA CALCULATIONS	HEATED	COVERED / UNHEATED	UNCOVERED
ELEVATION 1			
FIRST FLOOR	1542 SF		
GARAGE		496 SF	
FRONT PORCH – ELEVATION 1		103 SF	
SECOND FLOOR	1616 SF		
OPTIONS			
EXT. BRKFST W/ EXT. OWNER'S SUITE/ SCREENED	+186 SF	+160 SF	
3RD CAR GARAGE W/ SIDELOAD GARAGE		+265 SF	
BED 5 W/ BATH 3	+55 SF	–55 SF	
TOTAL	3399 SF	969 SF	

LOT SPECIFIC

1	LOT 00.0002	CAMPBELL RIDGE SF
		STONEFIELD REV. RALE–3 ELEVATION 1
2	ADDRESS	102 ALDEN WAY ANGIER, NC 27501

FRONT ELEVATION 1

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



REAR ELEVATION 1

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

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM

MASTER PLAN INFORMATION

REVISION	DATE
3-RALE	07-31-2024
	09-12-2024

UPDATED DATE

DRAWN BY: ITS

DATE: 04/16/2025

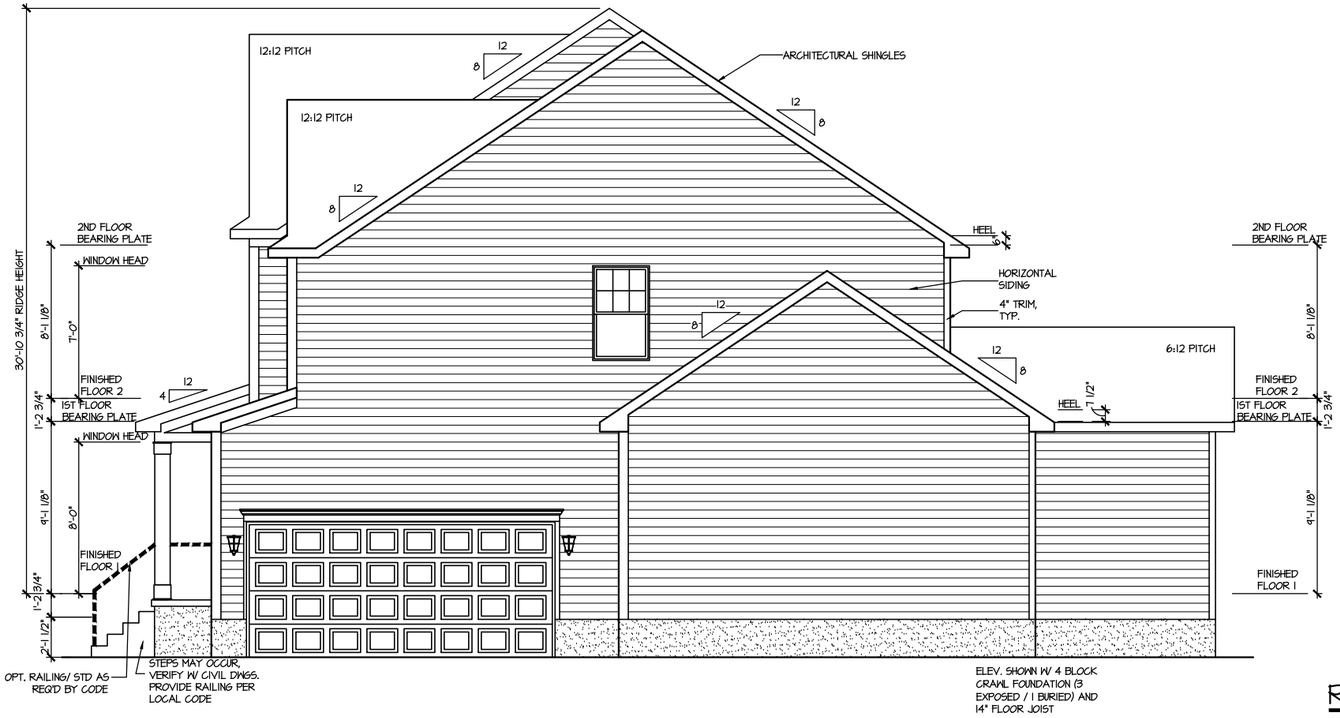
PLAN NO. 1635

DRB HOMES

HOUSE NAME: STONEFIELD

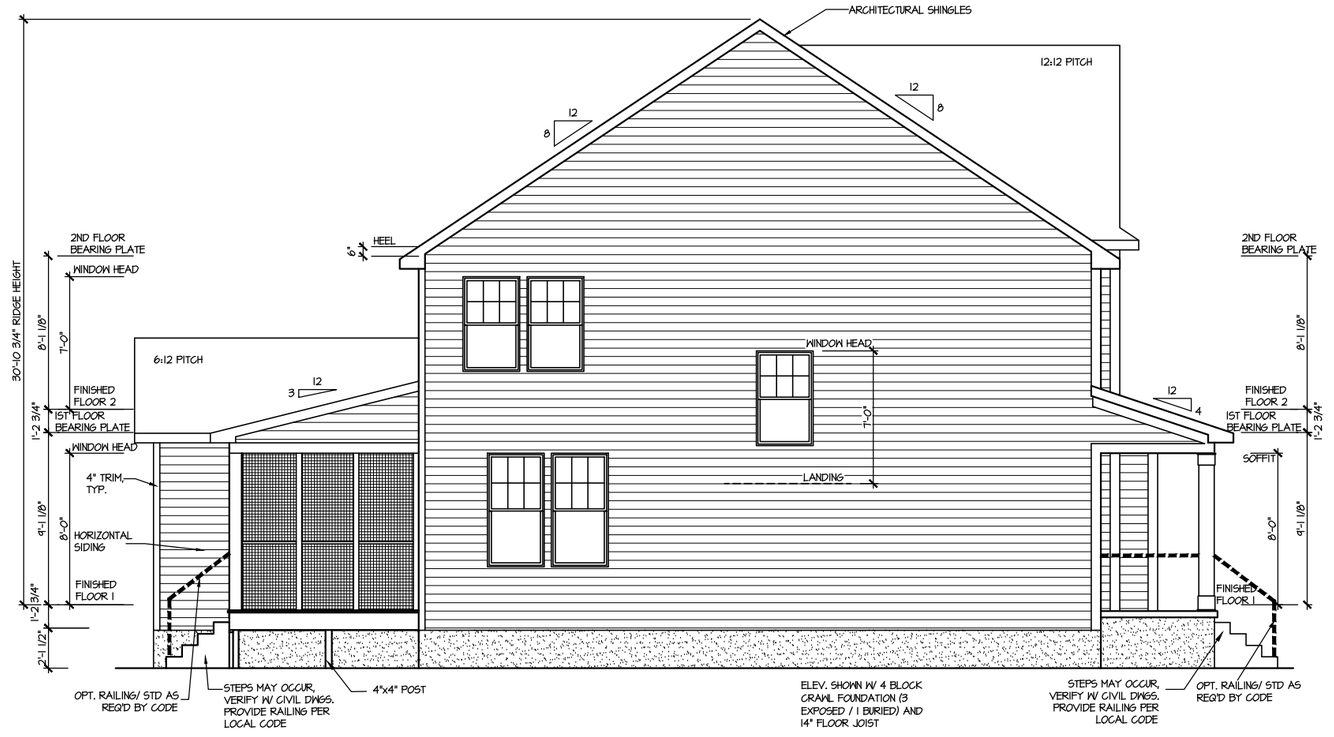
DRAWING TITLE: FRONT & REAR ELEVATIONS

SHEET No. A1.1



RIGHT ELEVATION 1

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



LEFT ELEVATION 1

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

MASTER PLAN INFORMATION	
REVISION	3-RALE
DATE	07-31-2024
UPDATED DATE	09-12-2024

DRAWN BY: ITS

DATE: 04/16/2025

PLAN NO. 1635

DRB HOMES

HOUSE NAME: STONEFIELD

DRAWING TITLE: RIGHT & LEFT ELEVATIONS

SHEET No. A1.2

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM

ATTIC VENT CALCULATION FOR PLAN 'I'

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 1 = 1184 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 11,927 SQ. FT.
1 TO 300 = 5,963 SQ. FT.
50% IN TOP THIRD = 2.98 SQ. FT. (1 TO 300)

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

LOWER VENTING: (BOTTOM 2/3 RDS)
82 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 3.245 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
24 LINEAR FEET OF RIDGE X 18 SQ. IN = 3 SQ. FT.
3 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 2 = 252 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 1.68 SQ. FT.
1 TO 300 = 0.84 SQ. FT.
50% IN TOP THIRD = 0.42 SQ. FT. (1 TO 300)

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

LOWER VENTING: (BOTTOM 2/3 RDS)
11 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.435 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
4 LINEAR FEET OF RIDGE X 18 SQ. IN = .05 SQ. FT.
.03 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 3 = 115 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = .063 SQ. FT.
1 TO 300 = .031 SQ. FT.
50% IN TOP THIRD = 0.158 SQ. FT. (1 TO 300)

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

LOWER VENTING: (BOTTOM 2/3 RDS)
23 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.11 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
8 LINEAR FEET OF RIDGE X 18 SQ. IN = 1 SQ. FT.
1 SQ. FT. BETWEEN 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 208 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = .0693 SQ. FT.
1 TO 300 = .1387 SQ. FT.
50% IN TOP THIRD = 0.3411 SQ. FT. (1 TO 300)

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

LOWER VENTING: (BOTTOM 2/3 RDS)
20 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.79 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
8 LINEAR FEET OF RIDGE X 18 SQ. IN = 1 SQ. FT.
1 SQ. FT. AT 50%
(1 TO 300 ALLOWED)
TOTAL ROOF VENTILATION 1.79 SQ. FT. > 0.332 SQ. FT. (REQ'D)

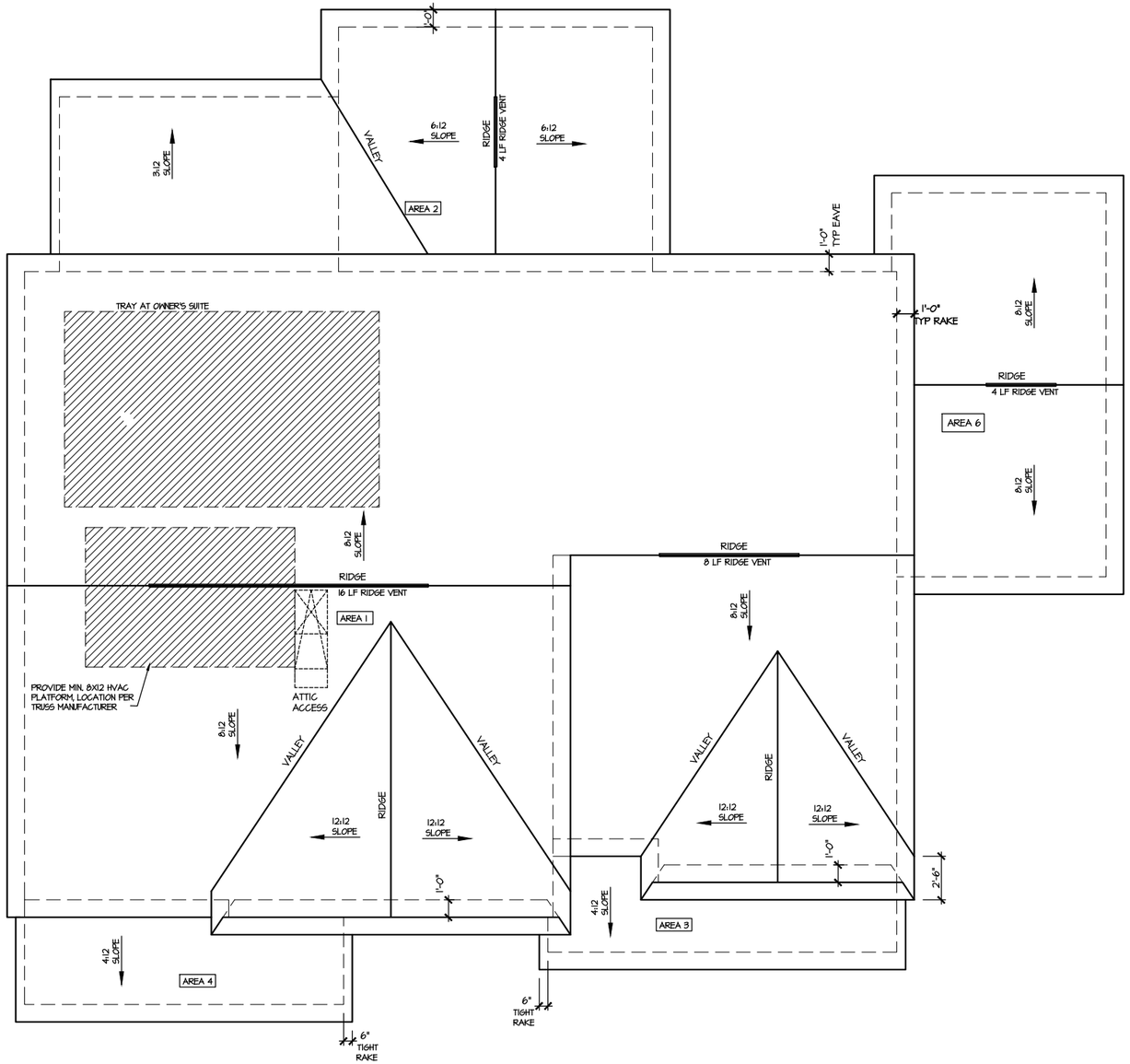
UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 6 = 234 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 1.56 SQ. FT.
1 TO 300 = 0.78 SQ. FT.
50% IN TOP THIRD = 0.39 SQ. FT. (1 TO 300)

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

LOWER VENTING: (BOTTOM 2/3 RDS)
10 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.396 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
4 LINEAR FEET OF RIDGE X 18 SQ. IN = .05 SQ. FT.
1 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

NOTE: ROOF PLANS SHOWN W/ MIN. REQ'D RIDGE VENT LOCATIONS.
ACTUAL RIDGE VENT LOCATIONS AND QUANTITY PER BUILDER



ROOF PLAN ELEV. 1

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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	07-31-2024	09-12-2024

DRAWN BY: ITS
DATE: 04/16/2025
PLAN NO. 1635

DRB HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: ROOF PLAN

SHEET No. A1.3

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM

CRAWL SPACE VENT CALCULATIONS: ELEV 1
CRAWL AREA = 1542 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 SQ. IN. PER 1 SQ. FT. = 1542 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT
WITTEN AUTOMATIC VENT OAL-1 OR EQUAL

VENTING REQUIREMENT:
1542 SQ. IN. / 72 SQ. IN. = 21.4 VENTS = 22 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

CRAWL SPACE VENT CALCULATIONS: OPT. BED 5/BA 3
CRAWL AREA = 54 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 SQ. IN. PER 1 SQ. FT. = 54 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT
WITTEN AUTOMATIC VENT OAL-1 OR EQUAL

VENTING REQUIREMENT:
54 SQ. IN. / 72 SQ. IN. = .8 VENTS = 1 VENTS

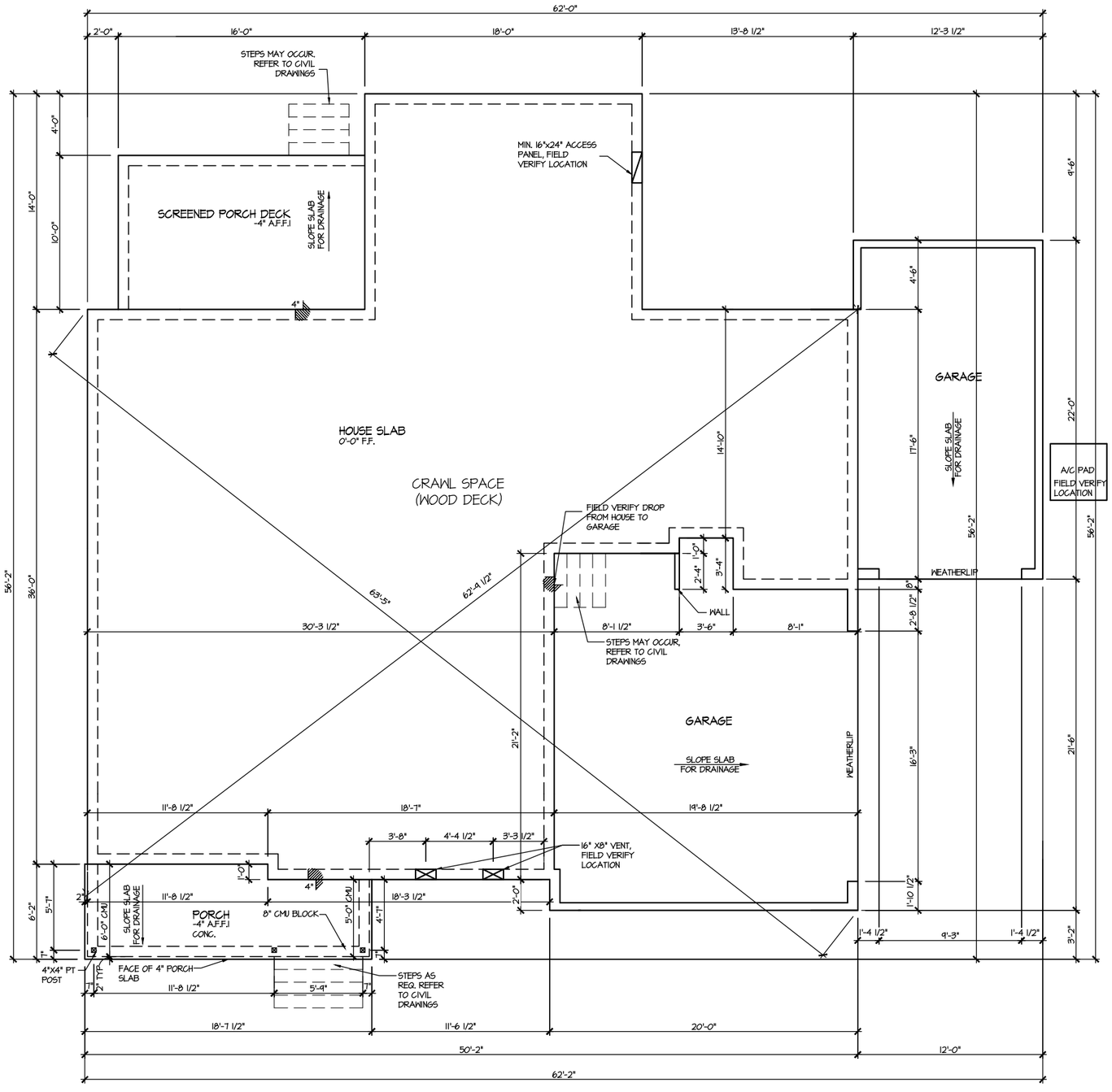
ONLY VENTS ON THE FRONT ELEVATION ARE SHOWN. ALL OTHERS TO BE FIELD LOCATED.
VENTS SHALL BE INSTALLED PER R322.2.2 - R322.2.2.1

CRAWL SPACE VENT CALCULATIONS: OPT. EXT. BRKFST.
CRAWL AREA = 93 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 SQ. IN. PER 1 SQ. FT. = 93 SQ. IN.

NET FREE AREA OF VENT = 72 SQ. IN. PER VENT
WITTEN AUTOMATIC VENT OAL-1 OR EQUAL

VENTING REQUIREMENT:
93 SQ. IN. / 72 SQ. IN. = 1.3 VENTS = 2 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 1
CRAWL SLAB PLAN

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

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REVISION	DATE
3-RALE	07-31-2024
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DRAWN BY: ITS
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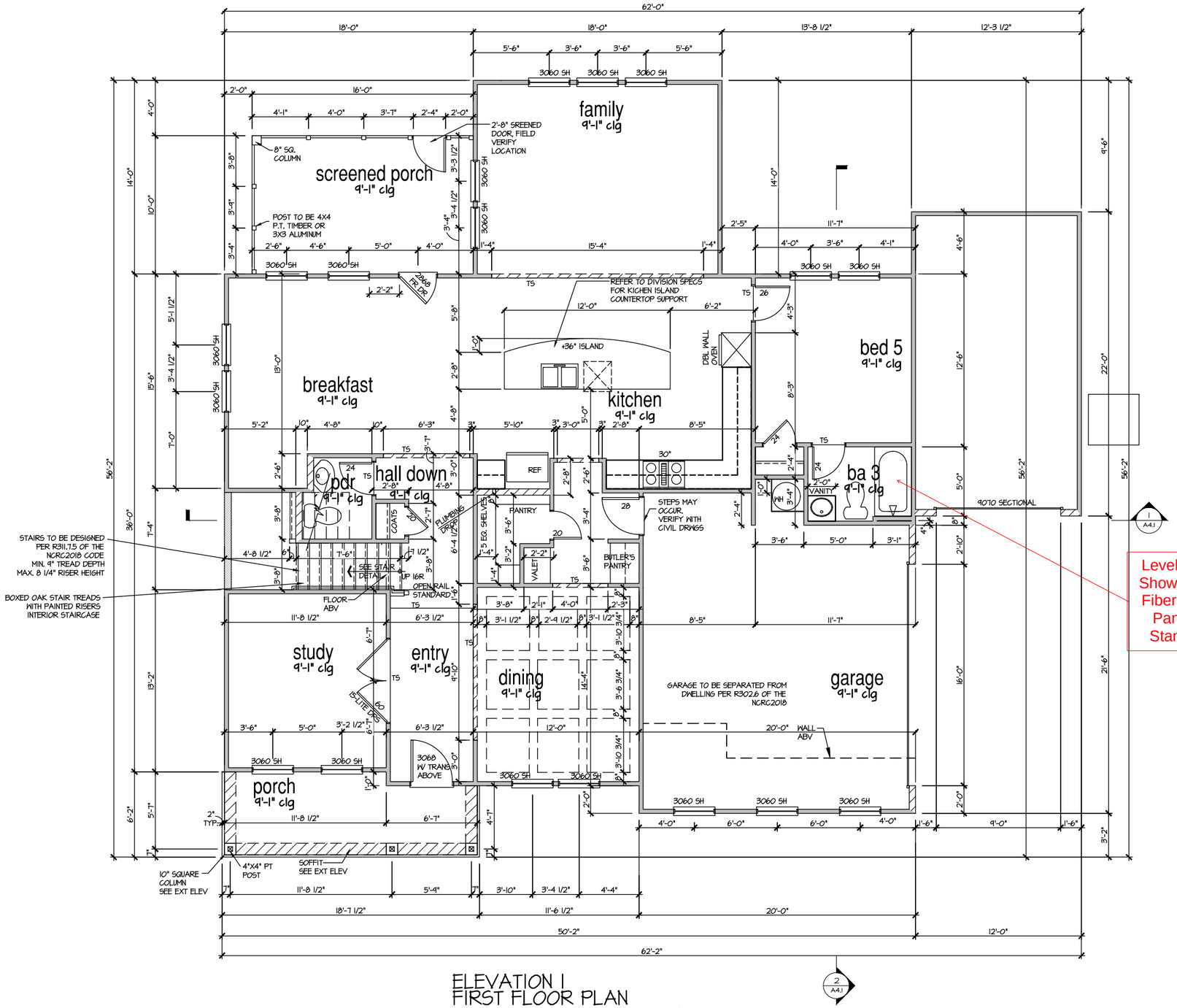
PLAN NO. 1635

DRB HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: CRAWL SPACE PLAN

SHEET No. A2.1

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM



ELEVATION 1
FIRST FLOOR PLAN

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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
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DRAWN BY: ITS

DATE: 04/16/2025

PLAN NO. 1635

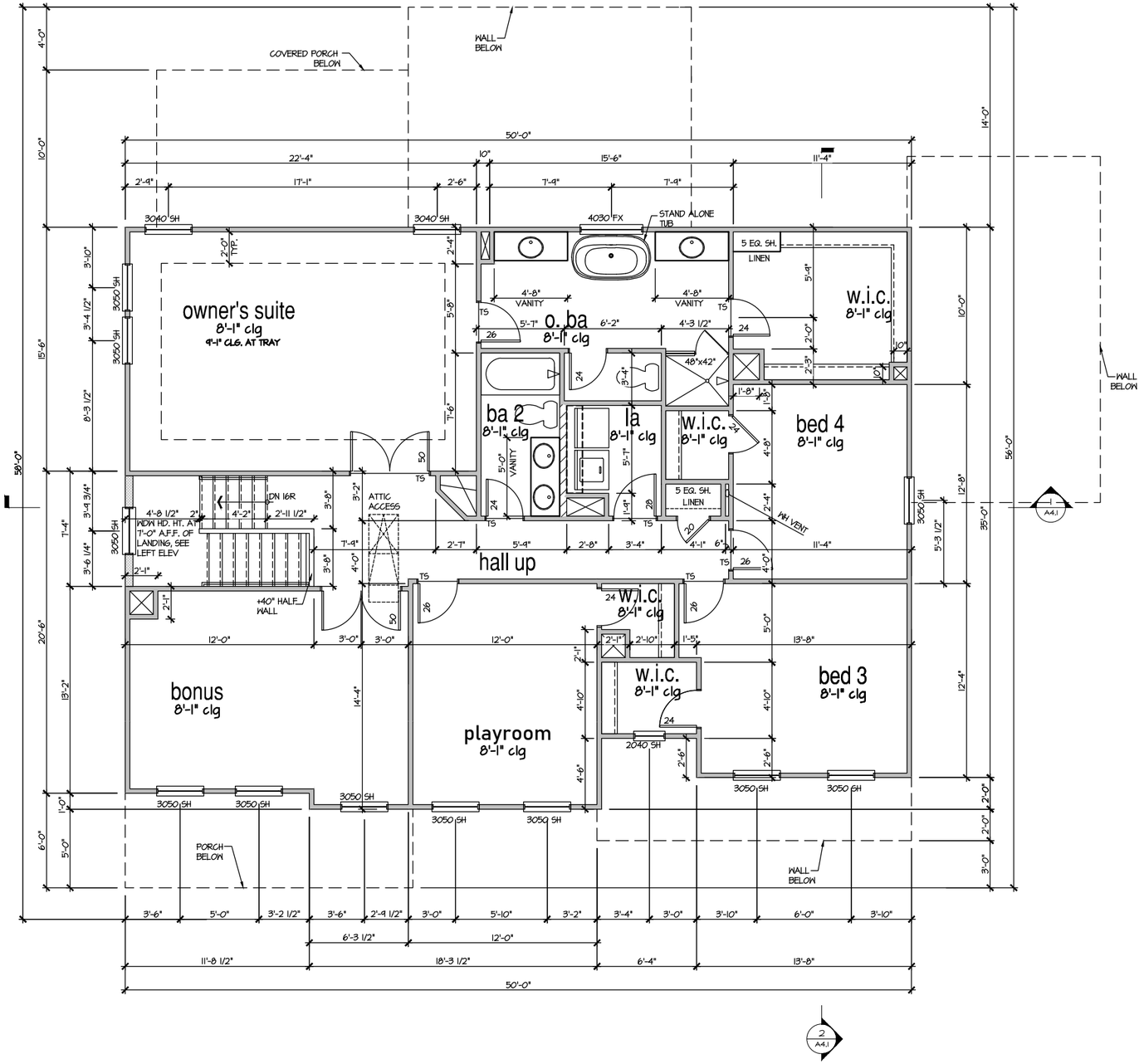
DRB HOMES

HOUSE NAME: STONEFIELD

DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. A3.1

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM



ELEVATION 1
SECOND FLOOR PLAN

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

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REVISION	DATE	UPDATED DATE
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DRAWN BY: ITS

DATE: 04/16/2025

PLAN NO. 1635

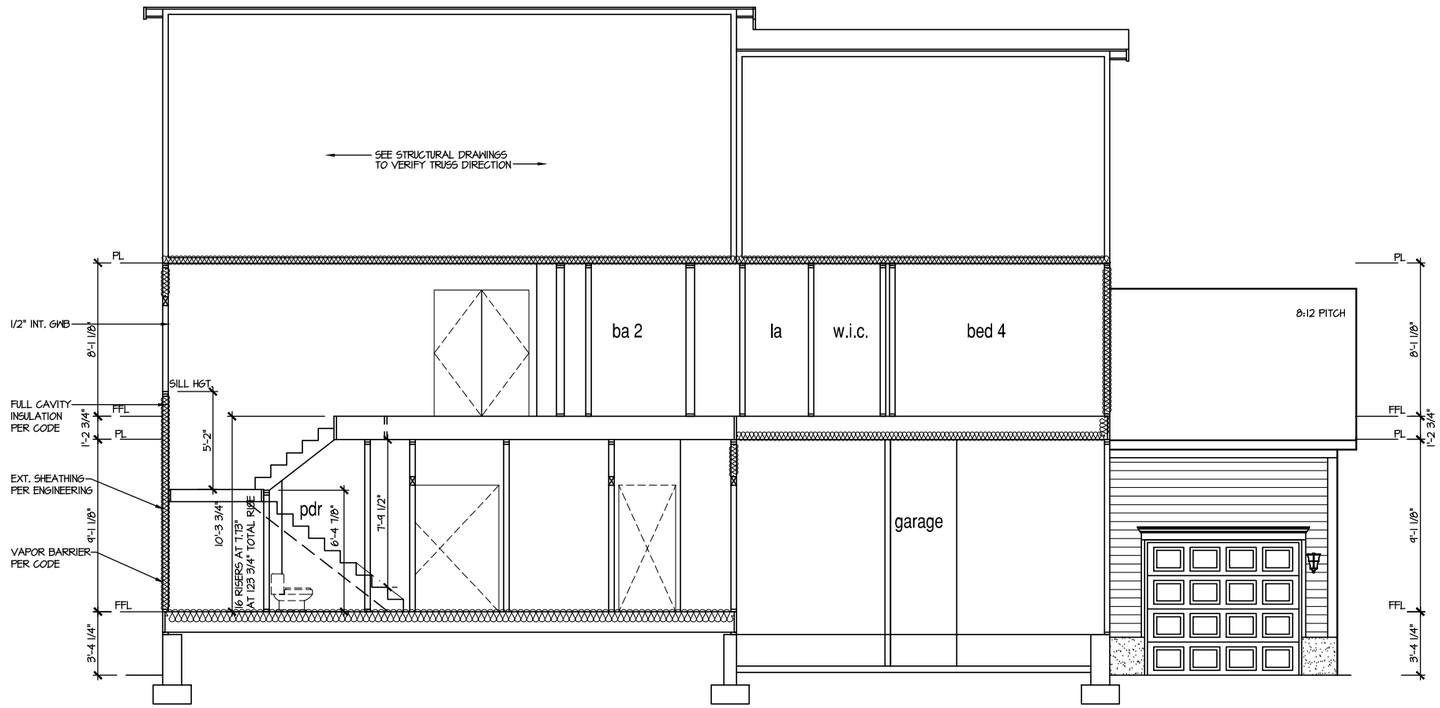
DRB HOMES

HOUSE NAME: STONEFIELD

DRAWING TITLE: SECOND FLOOR PLAN

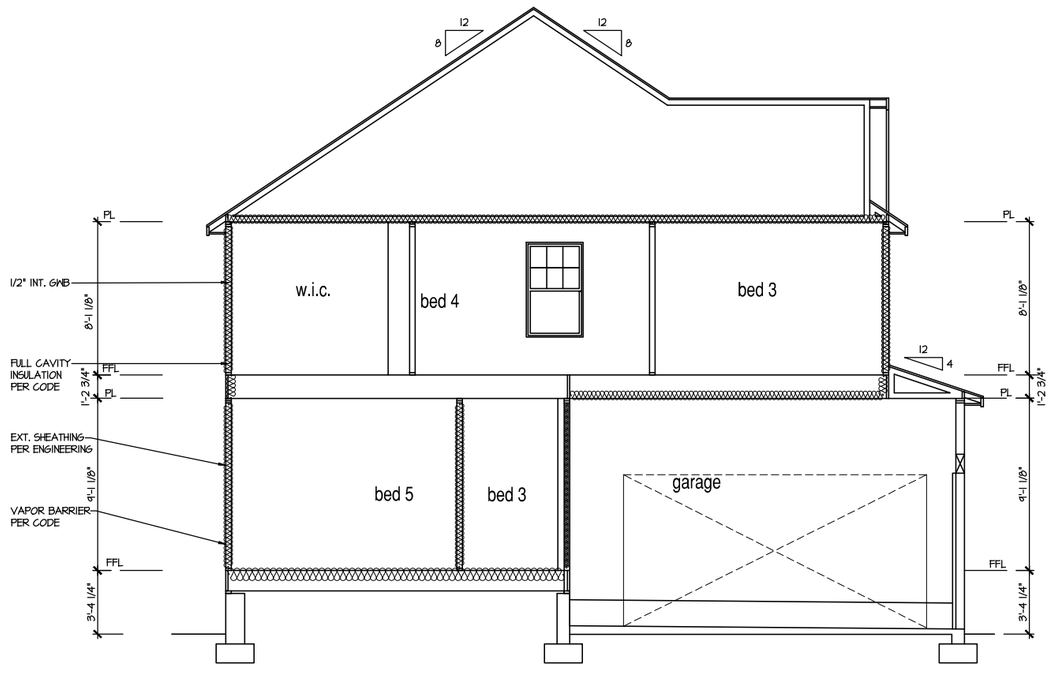
SHEET No. A3.2

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM



SECTION 1

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



SECTION 2

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

9'-1" STAIR NOTE:
(USE 14" TJI WITH 3/4" PLYWOOD SUBFLOOR)
15 TREADS AT 10" EACH VERIFY
16 RISERS AT +/- 7.73" = 123 3/4" TOTAL RISE VERIFY

NOTES:

- BUILDING SECTIONS SHOWN HERE DEPICT VOLUMN SPACES WITHIN THE STRUCTURE. REFER TO STRUCTURAL DRAWINGS, TRUSS DRAWINGS, STRUCTURAL DETAILS AND CALCULATIONS BY OTHER FOR ALL STRUCTURAL INFO.
- ROOFING: PITCHED SHINGLE ROOF. REFER TO ROOF PLAN FOR TYPICALS.
- WOOD FLOORS: FLOOR SHEATHING OVER FLOOR JOIST. REFER TO STRUCTURAL AND TRUSS DRAWINGS BY OTHERS.
- INSULATION:

EXTERIOR WALLS:	R-13 BATTS MINIMUM. VERIFY
CEILING WITH ATTIC ABOVE:	R-38 BATTS MINIMUM. VERIFY
FLOOR OVER GARAGE:	R-19 BATTS MINIMUM. VERIFY
ATTIC KNEEWALL:	R-19 BATTS MINIMUM. VERIFY

PER STATE RESIDENTIAL CODE COMPLIANCE METHOD TO BE DETERMINED BY BUILDER.

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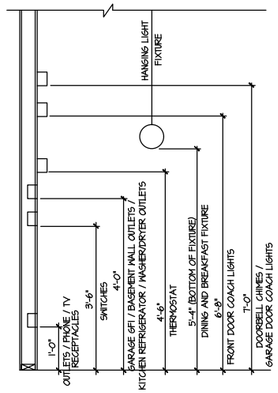
DRAWN BY: ITS
DATE: 04/16/2025
PLAN NO. 1635

DRB HOMES

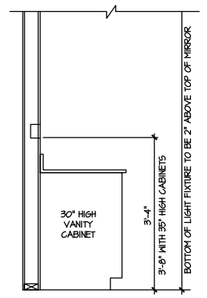
HOUSE NAME: STONEFIELD
DRAWING TITLE: BUILDING SECTION

SHEET No. A4.1

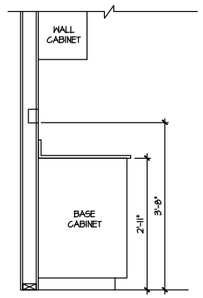
FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM



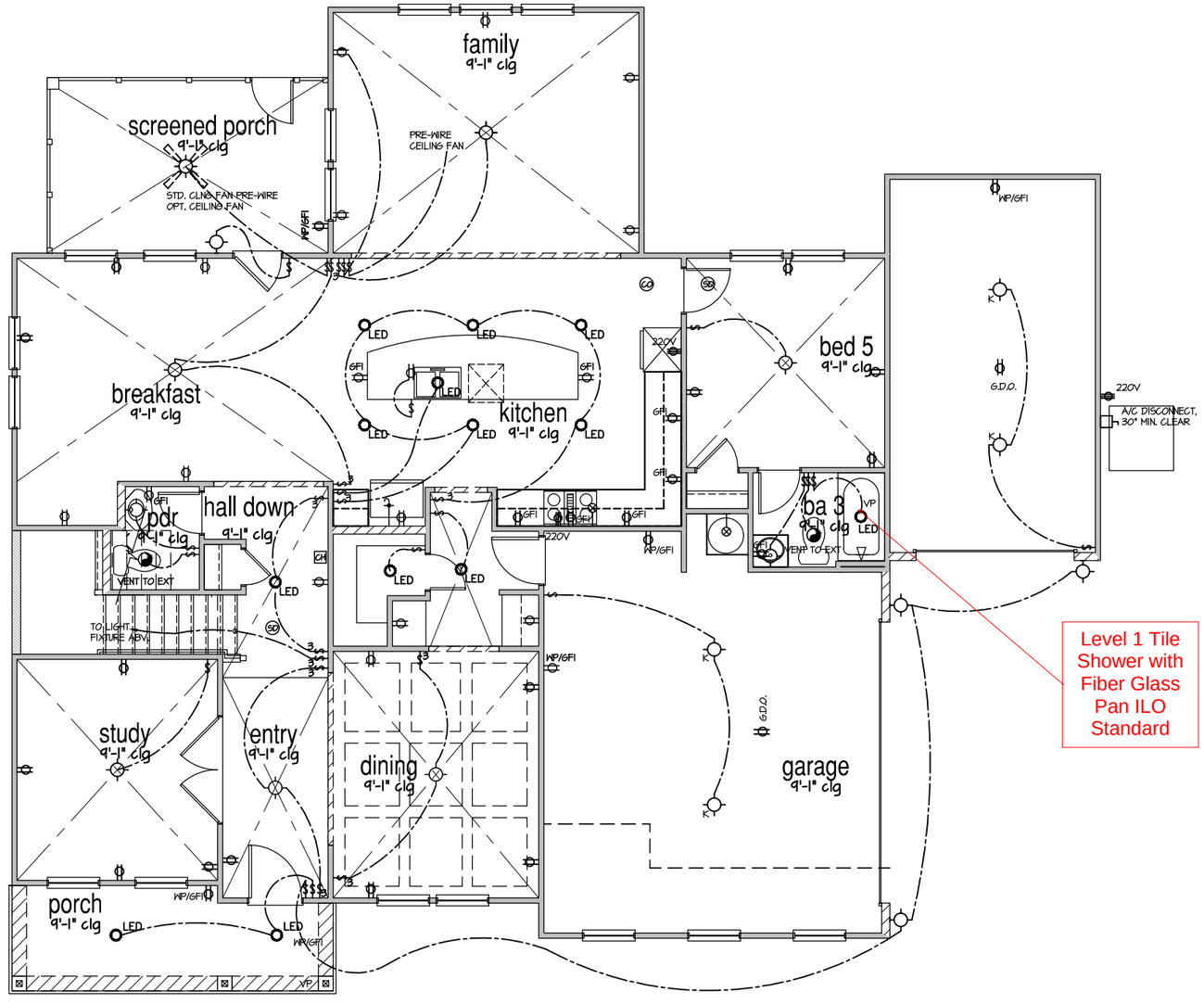
STANDARD ELECTRICAL BOX HEIGHTS



SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS



SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS



ELECTRICAL PLAN
FIRST FLOOR - ELEV. 1

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

NOTES:

- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL COD (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
- HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.
- ALL ELECTRICAL AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS, DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.
- PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- CLOSET LIGHTS TO BE FLOURESCENT FIXTURES FOR NC & INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

LEGEND:

	AFCI DUPLEX OUTLET		CEILING MOUNTED INCANDESCENT LIGHT FIXTURE	CH	CHIMES
WP/GFI	WEATHERPROOF GFI AFCI DUPLEX OUTLET	K	KEYLESS LIGHT		PUSHBUTTON SWITCH
GFI	GROUND-FAULT CIRCUIT-INTERRUPTER AFCI DUPLEX OUTLET		WALL MOUNTED INCANDESCENT LIGHT FIXTURE	SD	110V SMOKE DETECTOR W/ BATTERY BACKUP
	HALF-SWITCHED AFCI DUPLEX OUTLET		RECESSED LIGHT FIXTURE	CO	CO2 DETECTOR
220V	220 VOLT AFCI OUTLET	LED	LED SURFACE MOUNTED	T	THERMOSTAT
J	REINFORCED JUNCTION BOX		EXHAUST FAN (VENT TO EXTERIOR)	TV	TELEPHONE
$	WALL SWITCH				TELEVISION
$3	THREE-WAY SWITCH		EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)		ELECTRIC METER
$4	FOUR-WAY SWITCH				ELECTRIC PANEL
	LED STRIP FIXTURE		TECH HUB SYSTEM		DISCONNECT SWITCH

	CEILING FAN (PROVIDE ADEQUATE SUPPORT)
	CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
GAS	GAS SUPPLY WITH VALVE
HB	HOSE BIBB
GM	1/4" WATER STUB OUT

MASTER PLAN INFORMATION

REVISION	DATE
3-RALE	07-31-2024
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DRAWN BY: ITS

DATE: 04/16/2025

PLAN NO. 1635

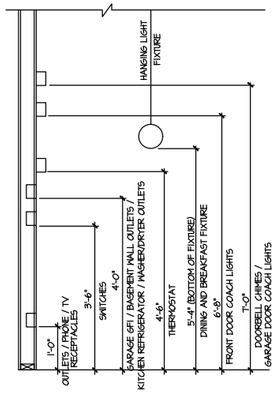
DR HOMES

HOUSE NAME: STONEFIELD

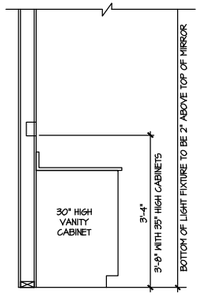
DRAWING TITLE: FIRST FLOOR ELECTRICAL

SHEET No. E1.1

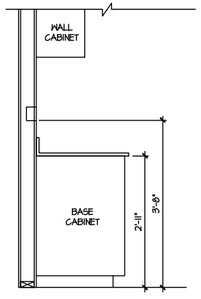
FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM



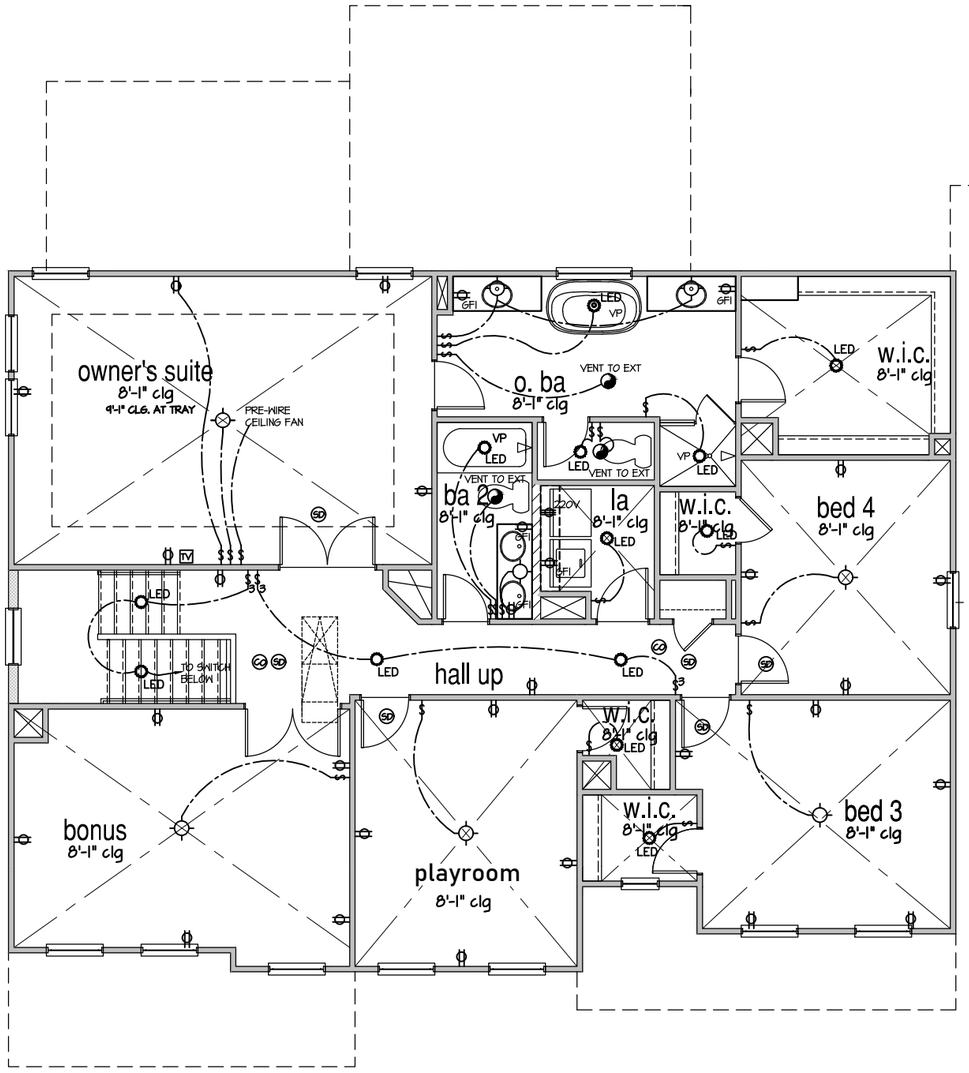
STANDARD ELECTRICAL BOX HEIGHTS



SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS



SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS



NOTES:

- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL COD (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
- HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.
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- PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- CLOSET LIGHTS TO BE FLOURESCENT FIXTURES FOR NC & INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

LEGEND:

- AFCI DUPLEX OUTLET
- WP/GFI — WEATHERPROOF GFI AFCI DUPLEX OUTLET
- GFI — GROUND-FAULT CIRCUIT-INTERRUPTER AFCI DUPLEX OUTLET
- HALF-SWITCHED AFCI DUPLEX OUTLET
- 220V — 220 VOLT AFCI OUTLET
- REINFORCED JUNCTION BOX
- WALL SWITCH
- 3 — THREE-WAY SWITCH
- 4 — FOUR-WAY SWITCH
- LED STRIP FIXTURE
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- KEYLESS LIGHT
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- LED — LED SURFACE MOUNTED
- EXHAUST FAN (VENT TO EXTERIOR)
- EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
- TECH HUB SYSTEM
- CHIMES
- PUSHBUTTON SWITCH
- 110V SMOKE DETECTOR W/ BATTERY BACKUP
- CO2 DETECTOR
- T — THERMOSTAT
- TEL — TELEPHONE
- TV — TELEVISION
- ELECTRIC METER
- ELECTRIC PANEL
- DISCONNECT SWITCH
- CEILING FAN (PROVIDE ADEQUATE SUPPORT)
- CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
- GAS SUPPLY WITH VALVE
- HB — HOSE BIBB
- CH — 1/4" WATER STUB OUT

ELECTRICAL PLAN
SECOND FLOOR - ELEV. 1

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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	07-31-2024	09-12-2024

DRAWN BY: ITS
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PLAN NO. 1635

DREES HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: SECOND FLOOR ELECTRICAL

SHEET No. E1.2

FILE: Lot 00.0002.dwg DATE: 4/16/2025 3:33 PM

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

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PLATE TO JOIST/BLK'G.	(3) NAILS @ 4" o.c.	(3) NAILS @ 4" o.c.
STUD TO SOLE PLATE	(2) TOENAILS	(3) TOENAILS*
TOP OR SOLE PLATE TO STUD	(2) NAILS	(3) NAILS
RIM TO TOP PLATE	TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS	(3) TOENAILS*
DOUBLE STUD	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE	NAILS @ 24" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE LAP SPLICE	(9) NAILS IN LAPPED AREA	(11) NAILS IN LAPPED AREA
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(2) NAILS	(2) NAILS

* 2 1/2"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

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. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

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)

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 (I-JOISTS & SOLID SAWN), 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADD'L 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(1) FOR ALL CONNECTIONS, TYP. U.N.O.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPF OR SYP "STUD" GRADE LUMBER, OR BETTER, U.N.O.
  - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SYP) LUMBER, OR BETTER (KILN-DRIED). ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY. CODE TABLES HAVE NOT BEEN USED.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 16" O.C. (MAX., U.N.O.)
  - HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
  - 'LSL' - Fb=2325 psi; Fv=310 psi; E=1.55x10^6 psi
  - 'LVL' - Fb=2600 psi; Fv=285 psi; E=2.0x10^6 psi
  - 'PSL' - FB=2900 PSI; FV=290 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 PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3 1/2" SIMPSON SDS SCREWS (OR 3 1/2" 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 PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
  - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O..
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER w/ 3"X0.131" NAILS @ 24" O.C. (MIN.), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND./BEARING. BLOCKING TO MATCH POST ABOVE.
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s ('HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT M&K FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C, EXPOSURE 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 H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 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. (I-JOISTS)
  - TRUSS VERTICALS w/ (3) 3"x0.131" NAILS @ 19.2" O.C. MAX. (FLOOR TRUSSES)
- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 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.

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x1/4"
6'-0"	3 FT. MAX	L3"x3"x1/4"
	12 FT. MAX	L4"x3"x1/4"
	20 FT. MAX	L5"x3 1/2"x5/16"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3 1/2"x5/16"
	16 FT. MAX	L6"x3 1/2"x3/8"
9'-6"	12 FT. MAX	L6"x3 1/2"x5/16"
16'-0"	2 FT. MAX	L7"x4"x1/2" **
	3 FT. MAX	L8"x4"x1/2" **

ALL LINTELS:
- SHALL SUPPORT 2 5/8" - 3 1/2" VENEER w/ 40 psf MAXIMUM WEIGHT.
  < 16' SHALL HAVE 4" MIN. BEARING
  >= 16' SHALL HAVE 8" MIN. BEARING
  < 16' SHALL NOT BE FASTENED BACK TO HEADER.
  >= 16' SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @48"o.c. 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 < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 1/4" 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 ANY LINTEL FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2 1/2" (MINIMUM) CLEAR DISTANCE FROM BOTTOM OF BEAM.

* FOR QUEEN VENEER USE L4x3x1/4".
** FOR 3 1/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3 1/2" THICK.

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

(120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1)
EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NCSBC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSBC:RC SECTION R802.11.1.1. 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, U.N.O.
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (7/16" 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 (7/16" 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 SPACING, U.N.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED w/ OSB OR PLYWOOD w/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

— — — INDICATES EXTENT OF INT. OSB SHEARWALL OR 3" O.C. OSB SHEARWALL.

▶ INDICATES HOLDOWN BELOW

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 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. SPF OR SYP, "STUD" GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
  - $f'c$ = 4,000 psi: .... FOUNDATION WALLS
  - 2,500 psi: .... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3,000 psi: .... GARAGE & EXTERIOR SLABS ON GRADE
  - f_y = 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
  - 9' OR 10' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED.
  - NOMINAL WIDTH (9 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 BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.
- PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT. FND. WALL WITH 2" CLEAR. REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.
  - FOR OPENINGS UP TO 36", PROVIDE MINIMUM 10" CONCRETE DEPTH OVER OPENING OR (3)2x10 w/ (2)2x6 JACK STUDS, U.N.O.
  - LARGER OPENINGS SHALL BE PER PLAN.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
  - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
  - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (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 (F'm=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) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.
- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON HTT4 HOLD-DOWN * (5/8" DIA. ANCHOR)
▶ HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) -OR- MSTC66B3 ALTERNATE
▶ HD-3	SIMPSON STHD14/STHD14RJ

* UTILIZE THE SSTB24 ANCHOR BOLT @ ALL MONOSLAB & INTERIOR RAISED SLAB (I.E. THICKENED SLABS, FOOTINGS) CONDITIONS. MINIMUM 24" MIN. FOOTING THICKNESS REQUIRED.
EPOXY-SET ALTERNATE FOR MONOSLAB & INTERIOR RAISED SLAB CONDITIONS ONLY: UTILIZE SIMPSON 'SET' EPOXY SYSTEM TO FASTEN THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 10" (FOR 5/8" DIA.) OR 15" (FOR 7/8" DIA.) MIN. EMBEDMENT INTO CONCRETE.
INSTALL PER MANUF. INSTRUCTIONS. MINIMUM 16" FOOTING THICKNESS REQ'D.
DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF CONCRETE.

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036012 JOSEPH T. RICKER

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NC LICENSE #C-3825

M&K project number: 126-24045

project mgr: JTR
drawn by: JAD
issue date: 04-25-25

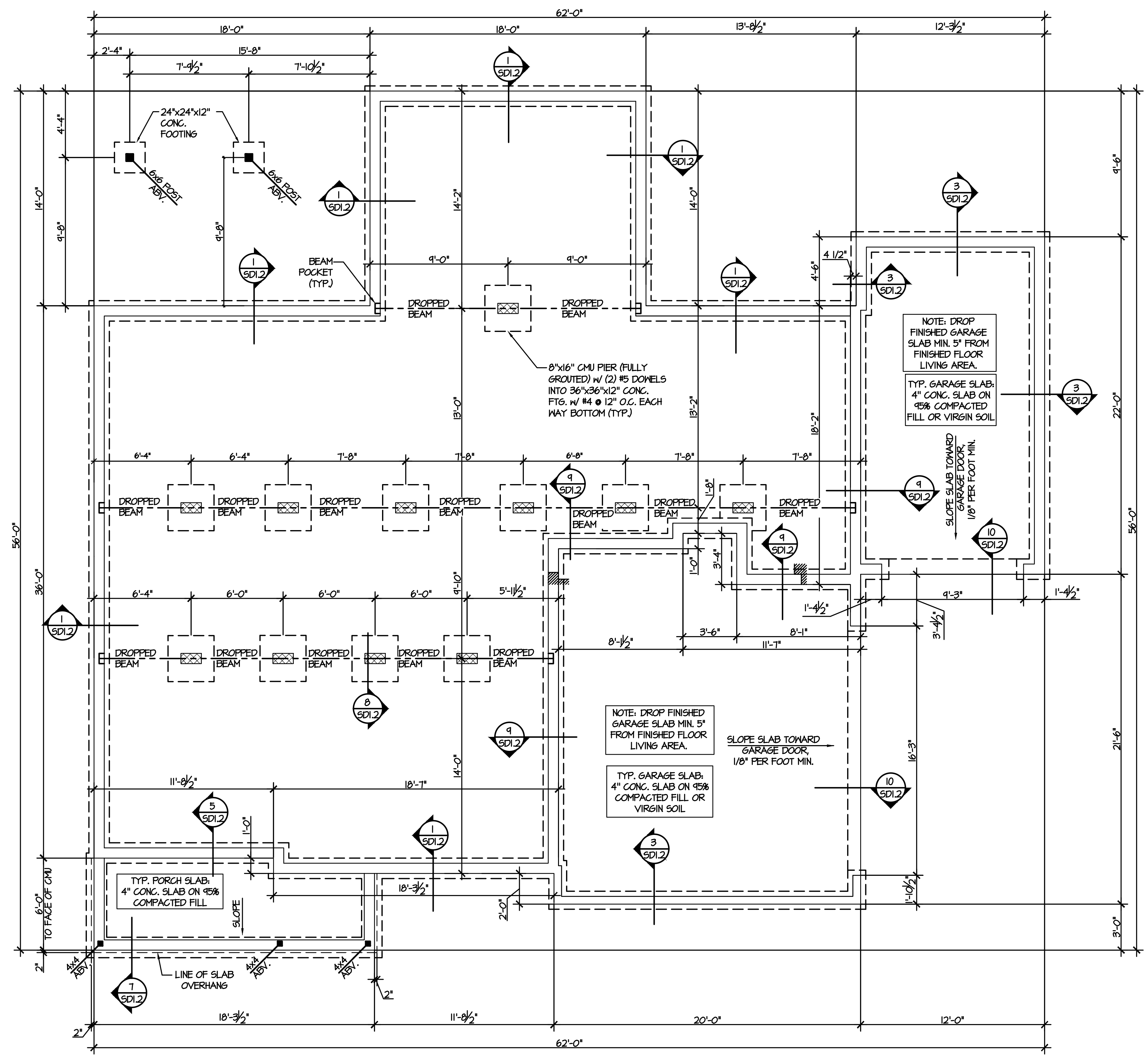
REVISIONS:

DRB HOMES

STRUCTURAL NOTES
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: S0.0

FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



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
- 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

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL SEAL 056012 ENGINEER JOSEPH T. RICKER

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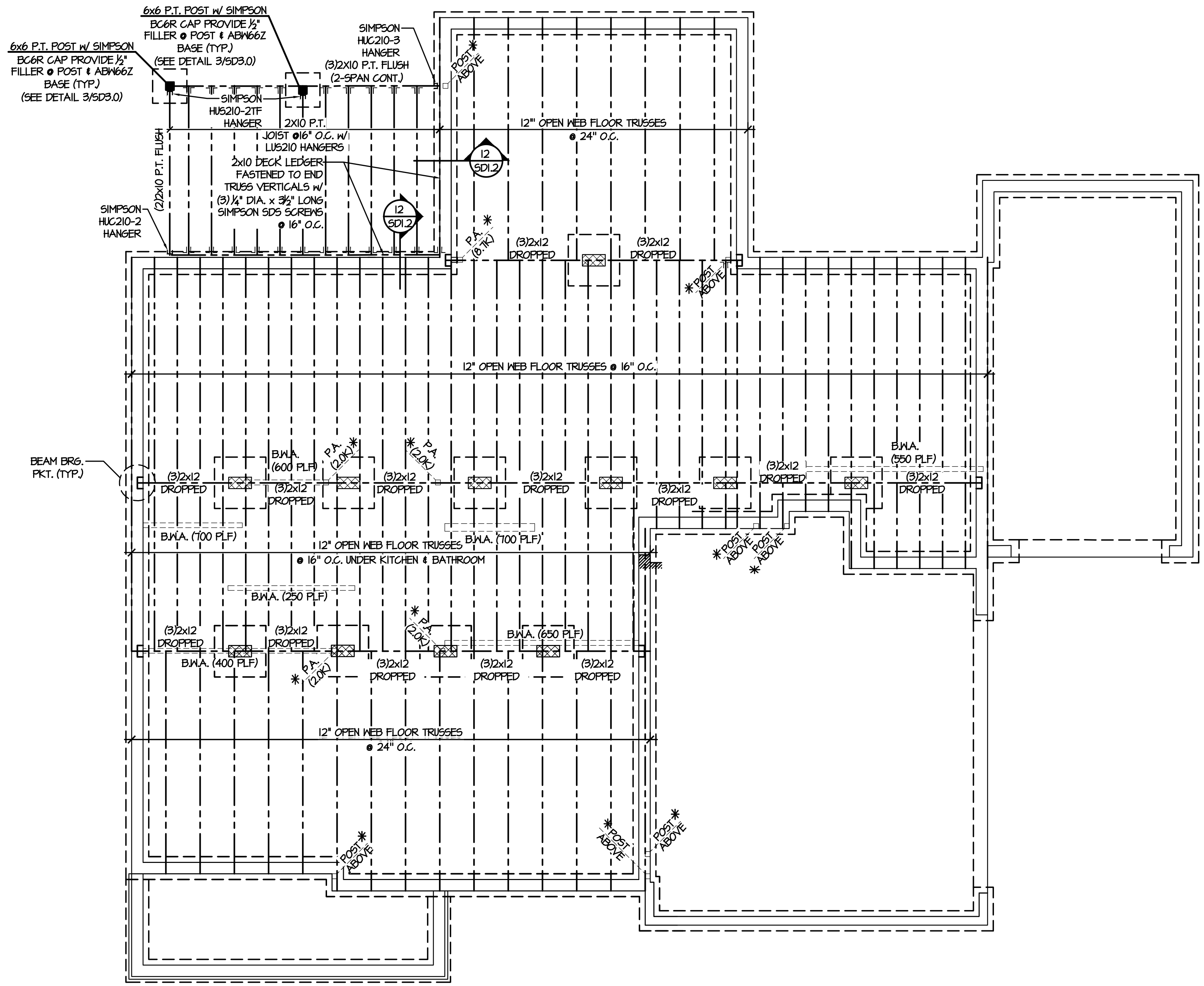
FOUNDATION PLANS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: S1.0



1 1ST 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
- 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

seal: 4/25/25

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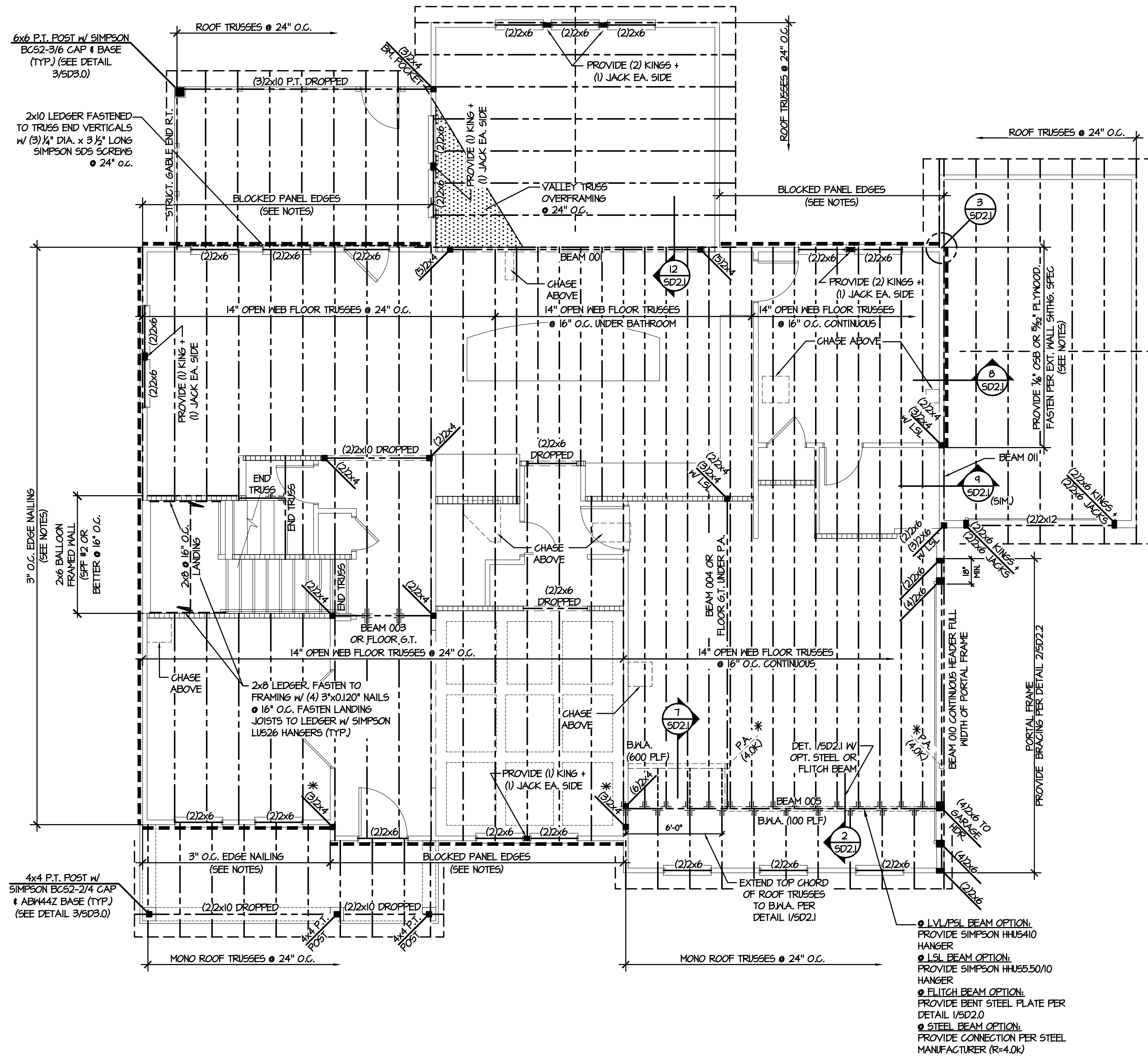
FLOOR FRAMING PLANS

CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: S2.0



1 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)1¾"x16" - D	3½"x16" - D	N/A	(2)2x12 + (1) ⅝"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
002	(2)1¾"x11⅞" - D	3½"x11⅞" - D	(3)1¾"x11⅞" - D	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
003	(2)1¾"x14" - F	3½"x14" - F	(2)1¾"x14" - F	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)1¾"x14" - F	3½"x14" - F	(3)1¾"x14" - F	(2)2x12 + (1) ⅜"x11¼" STEEL FLITCH PLATES - F	W12x14 - F
005	(3)1¾"x18" - FT	5¼"x18" - FT	N/A	(3)2x12 + (2) ⅝"x11¼" STEEL FLITCH PLATES - F	W12x26 - F
006	(3)1¾"x18" - FT	5¼"x18" - FT	N/A	(3)2x12 + (2) ⅝"x11¼" STEEL FLITCH PLATES - F	W12x26 - F
007	(2)1¾"x14" - F	3½"x14" - F	(2)1¾"x14" - F	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - F	W12x14 - F
008	(2)1¾"x14" - F	3½"x14" - F	(2)1¾"x14" - F	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)1¾"x9¼" - D	3½"x9¼" - D	(2)1¾"x9¼" - D	(2)2x10 + (1) ¼"x9¼" STEEL FLITCH PLATES - D	W10x12 - D
010	(2)1¾"x16" - H	3½"x16" - H	(3)1¾"x16" - H	(3)2x12 + (2) ½"x11¼" STEEL FLITCH PLATES - H	N/A
011	(2)1¾"x11⅞" - D	3½"x11⅞" - D	(3)1¾"x11⅞" - D	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
012	(3)1¾"x16" - D	5¼"x16" - D	(4)1¾"x16" - D	(3)2x12 + (2) ½"x11¼" STEEL FLITCH PLATES - D	W12x19 - D
013	(2)1¾"x11⅞" - D	3½"x11⅞" - D	(3)1¾"x11⅞" - D	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
014	(2)1¾"x16" - D	3½"x16" - D	(3)1¾"x16" - D	(3)2x12 + (2) ⅝"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
015***	(3)1¾"x11⅞" - D	N/A	(3)1¾"x11⅞" - D	(3)2x12 + (2) ¼"x11¼" STEEL FLITCH PLATES - D	W12x14 - D
016	(2)1¾"x11⅞" - F	3½"x11⅞" - F	(3)1¾"x11⅞" - F	(2)2x12 + (1) ¼"x11¼" STEEL FLITCH PLATES - F	W12x14 - 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.

*** - SEE PLAN FOR EXTENT OF 3-PLY BEAM

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 JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036012 JOSEPH T. RICKER

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NC LICENSE #C-3825

M&K project number: 126-24045

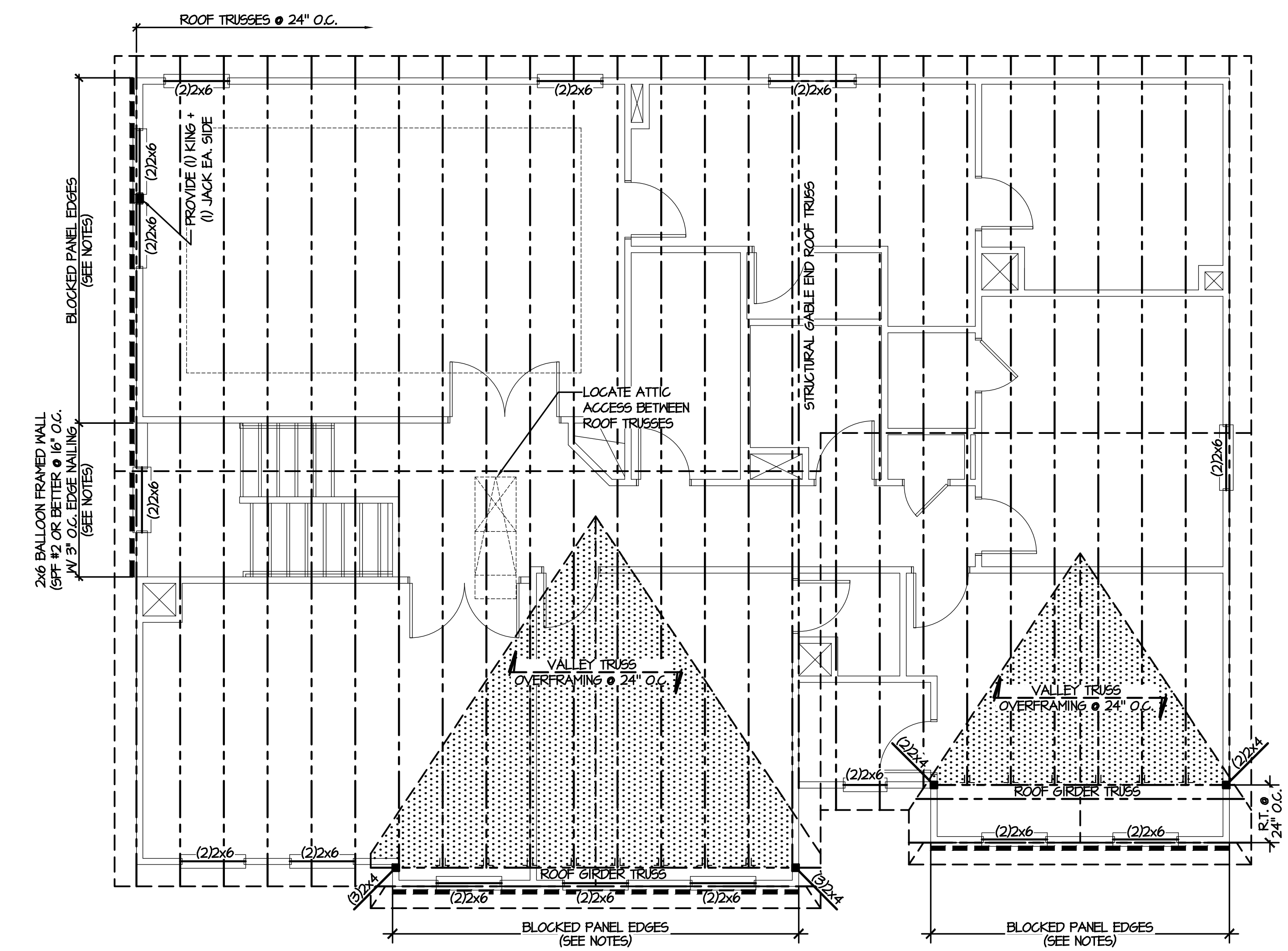
project mgr: JTR
drawn by: JAD
issue date: 04-25-25

REVISIONS:

DRB HOMES

FLOOR FRAMING PLANS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 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
- 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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DRB HOMES

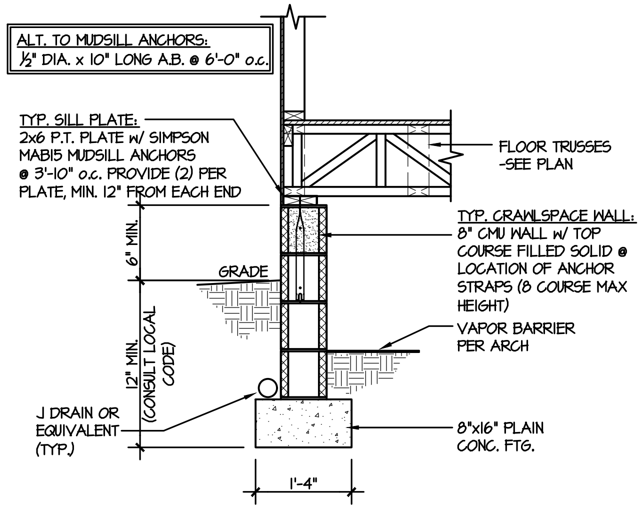
ROOF FRAMING PLANS

CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

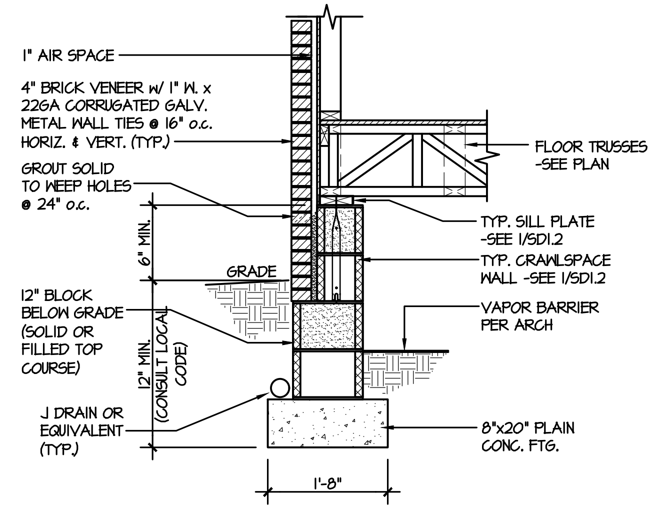
sheet: S4.0

FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM

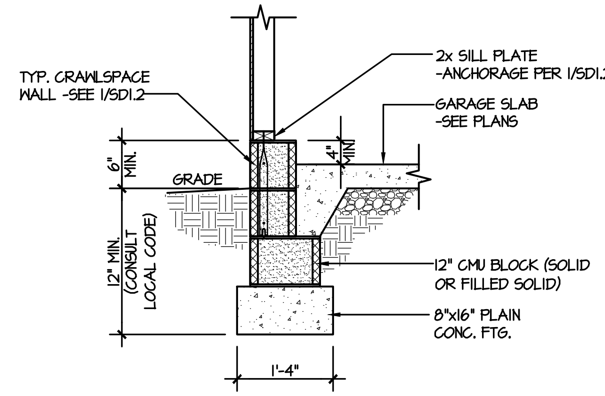
LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.	NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



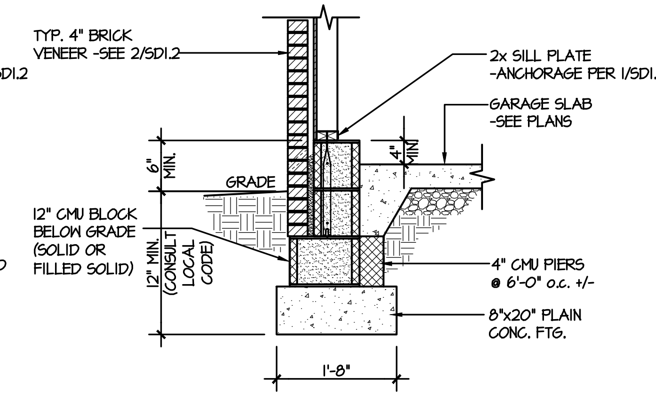
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"



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

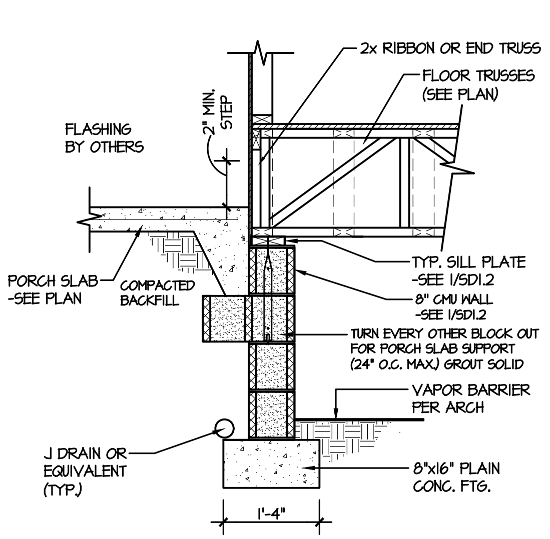


3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0"

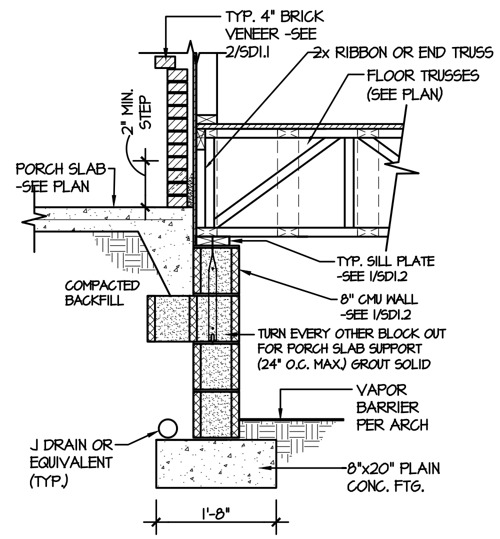


4 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0" w/ BRICK VENEER

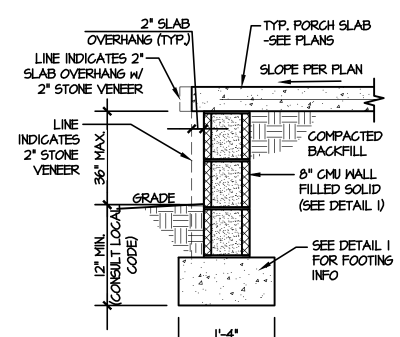
PLAIN CONC. FOOTINGS AS DIMENSIONED & SHOWN ARE MINIMUM SIZES REQUIRED & HAVE BEEN ENGINEERED. ADDITION OF CONTINUOUS REBAR OR LARGER FOOTINGS MAY BE PROVIDED AT THE DISCRETION OF THE BUILDER.



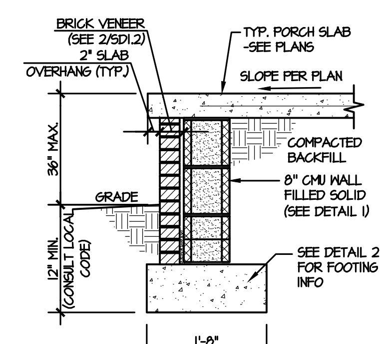
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



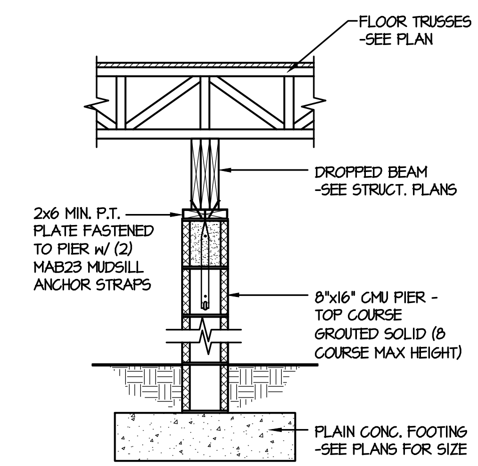
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



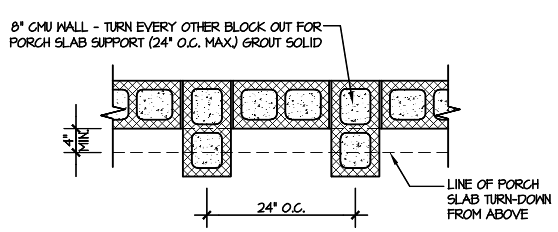
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



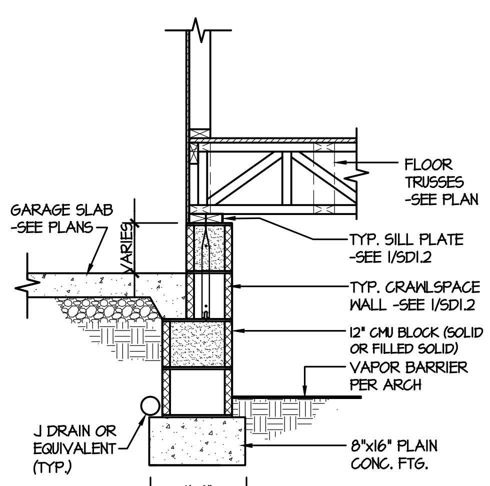
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



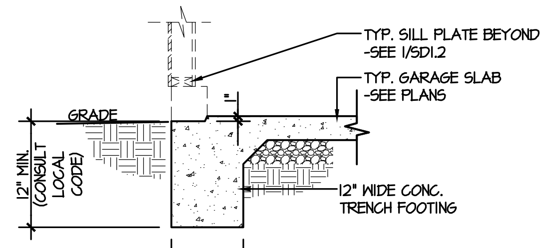
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER
SCALE: 3/8"=1'-0"



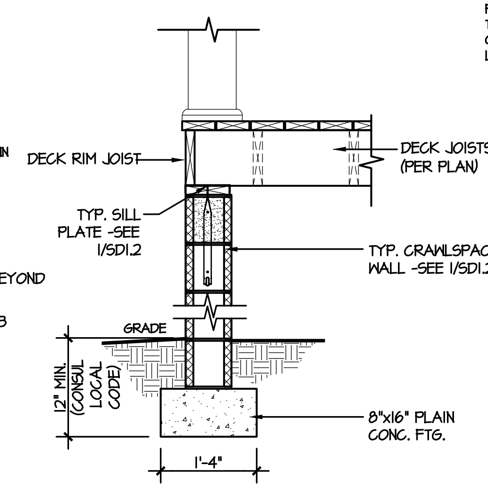
TOP VIEW OF FND. WALL @ PORCH SLAB SUPPORT



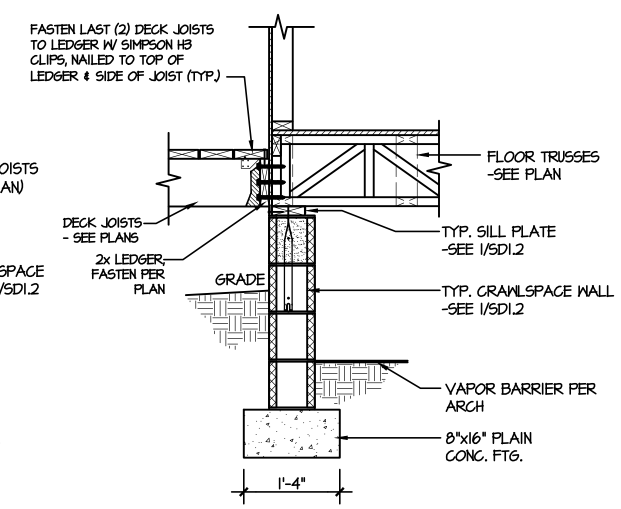
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE
SCALE: 3/8"=1'-0"



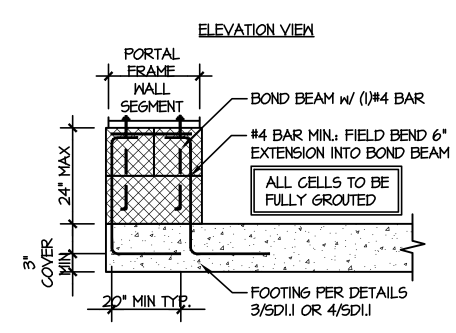
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



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



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



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

seal: 4/25/25

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

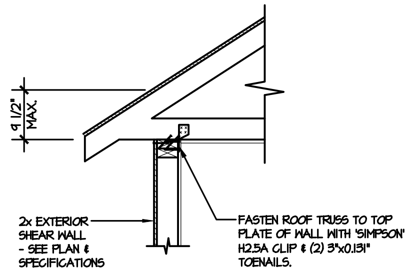
REVISIONS:

DRB HOMES

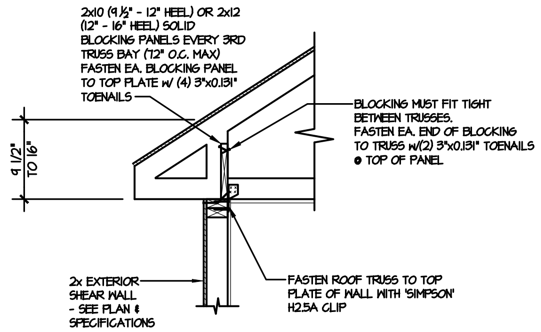
FOUNDATION DETAILS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD1.2

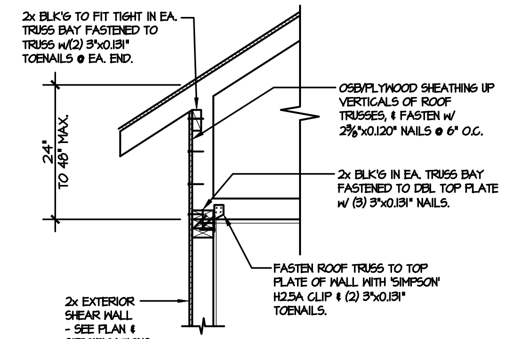
FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



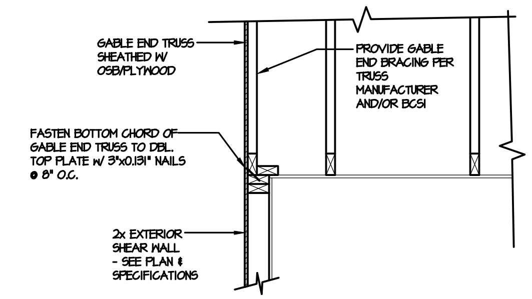
TYPICAL SHEAR TRANSFER DETAIL @ ROOF (A1)
SCALE: 3/8"=1'-0" — HEEL HEIGHT LESS THAN 9 ½" NO BLOCKING REQ'D



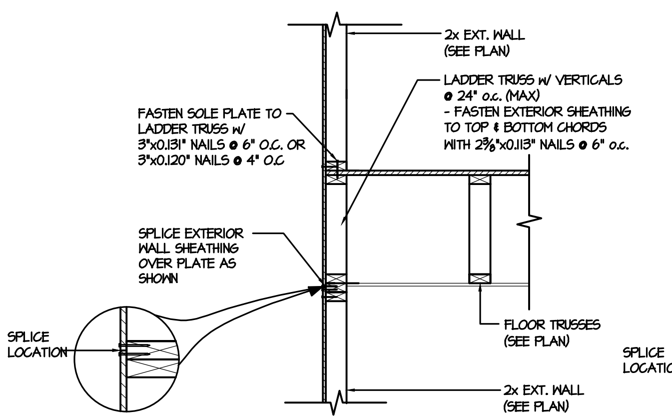
TYPICAL SHEAR TRANSFER DETAIL @ ROOF (A2)
SCALE: 3/8"=1'-0" — HEEL HEIGHT BETWEEN 9 ½" - 16" BLOCKING REQ'D



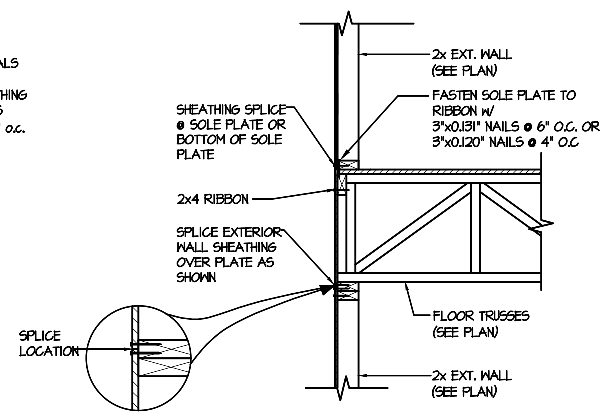
TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS (A3)
SCALE: 3/8"=1'-0" — HEEL HEIGHT UP TO 48" MAX.



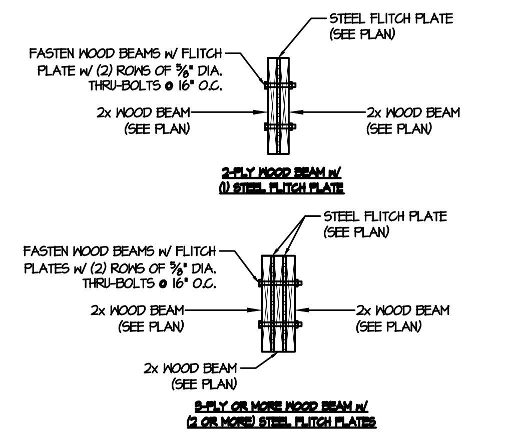
TYPICAL GABLE END DETAIL (B)
SCALE: 3/8"=1'-0"



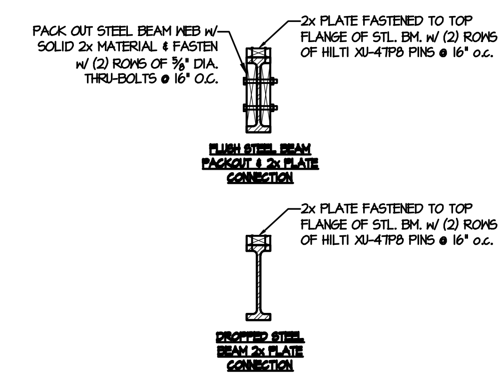
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL (C1)
SCALE: 3/8"=1'-0" — PARALLEL FRMG



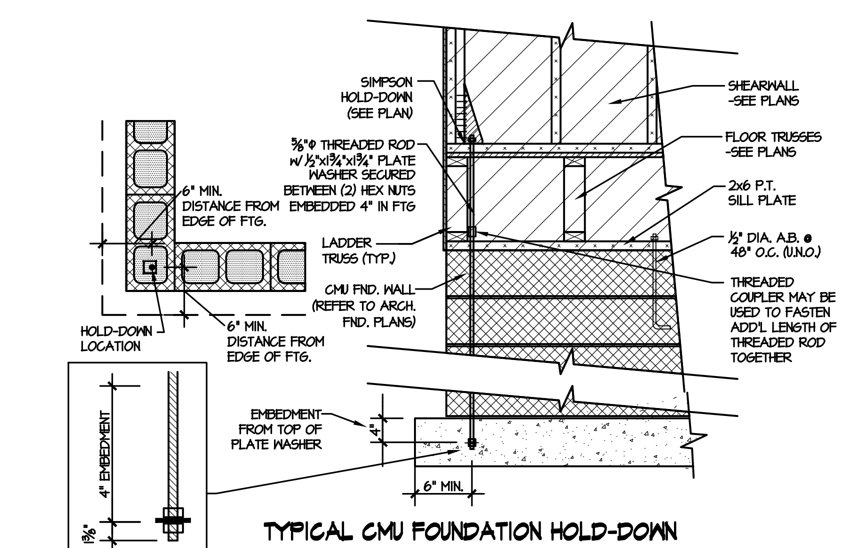
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL (C2)
SCALE: 3/8"=1'-0" — PERPENDICULAR FRMG



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



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



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

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seal: 4/25/25

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 056012 JOSEPH T. RICKER

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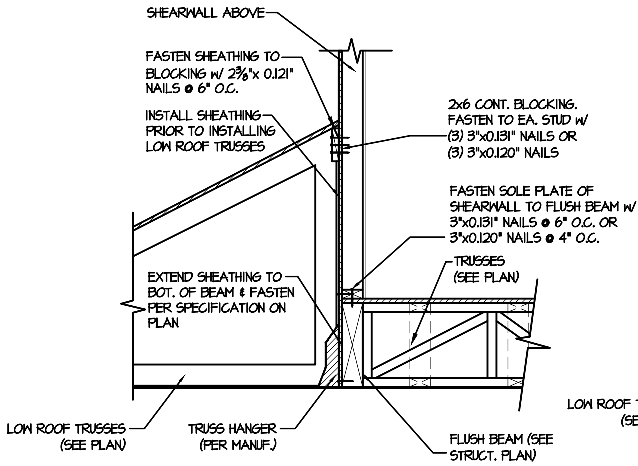
M&K project number: 126-24045
project mgr: JTR
drawn by: JAD
issue date: 04-25-25
REVISIONS:

DRB HOMES

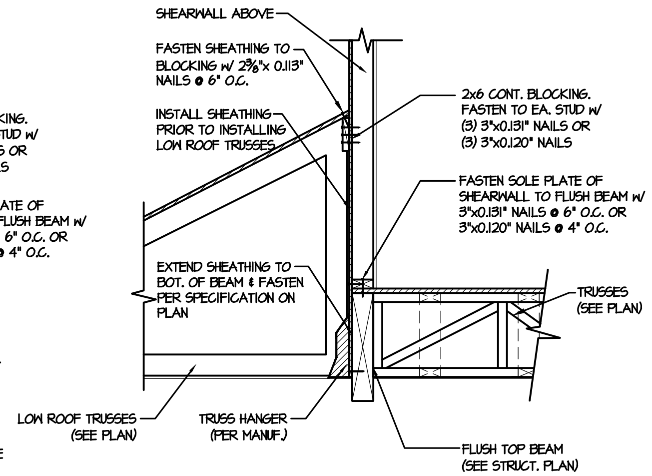
FRAMING DETAILS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD2.0

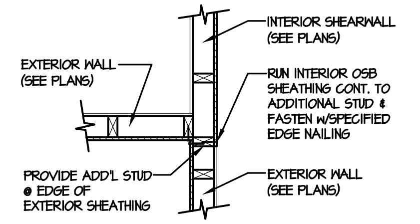
FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



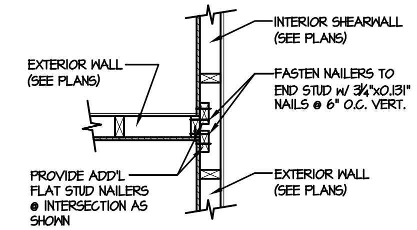
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



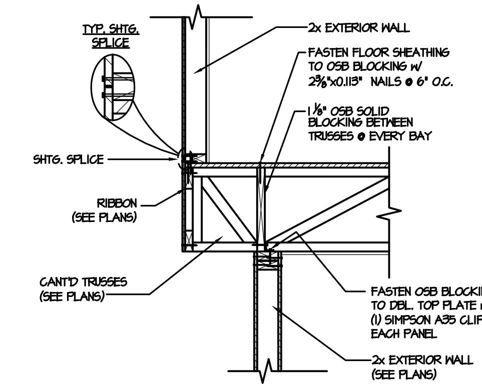
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



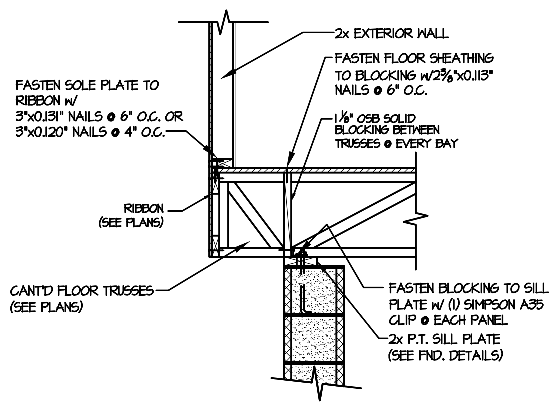
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



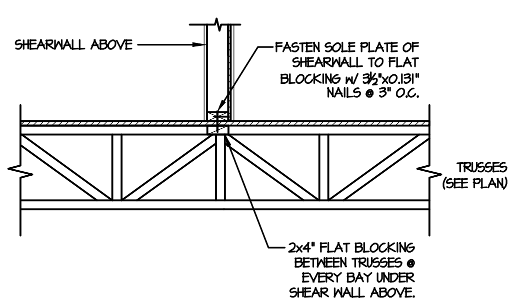
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



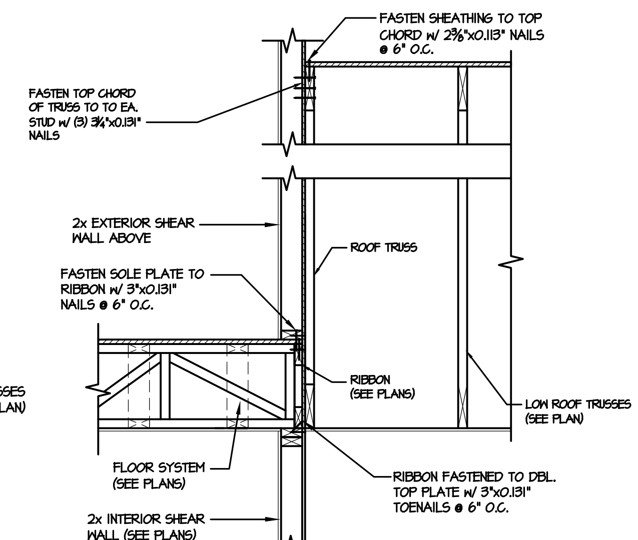
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



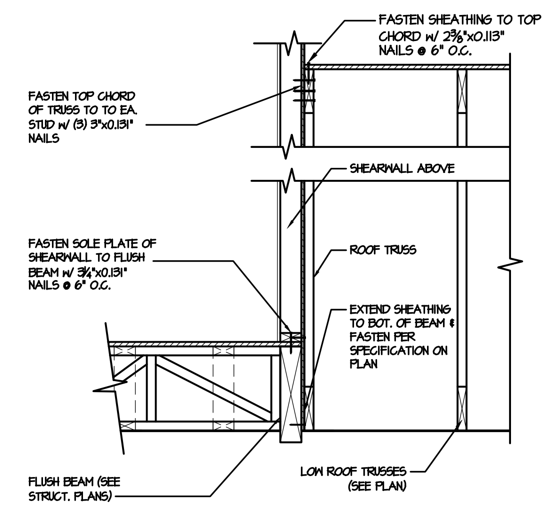
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



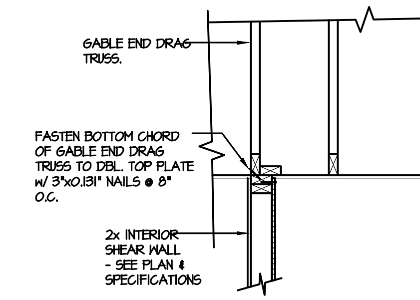
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



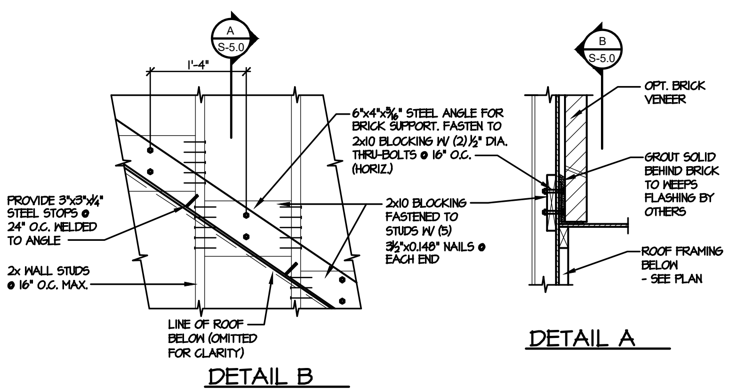
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



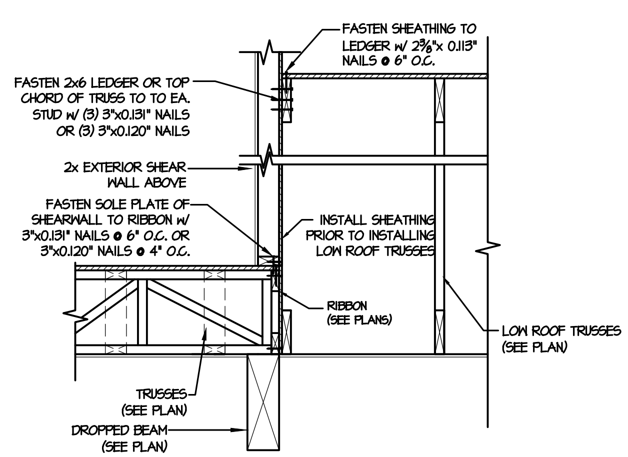
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



11 DETAIL SUPPORT OF BRICK VENEER
SCALE: 3/4"=1'-0"



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

seal: 4/25/25

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M&K project number: 126-24045

project mgr: JTR
drawn by: JAD
issue date: 04-25-25

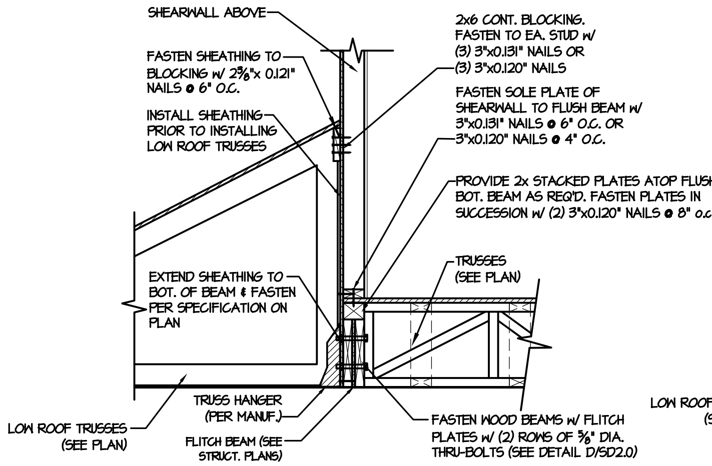
REVISIONS:

DRB HOMES

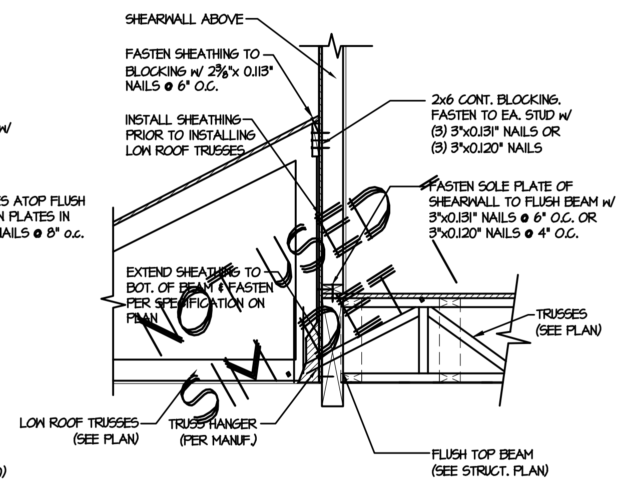
FRAMING DETAILS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD2.1A

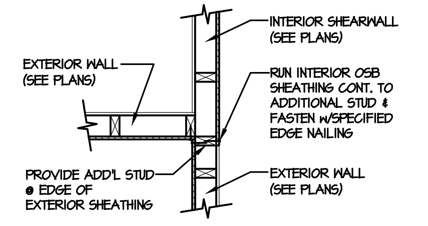
FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



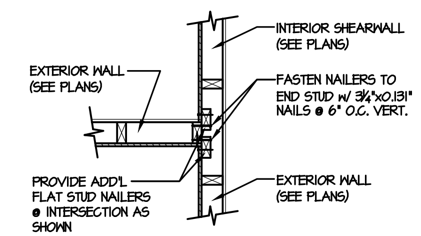
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



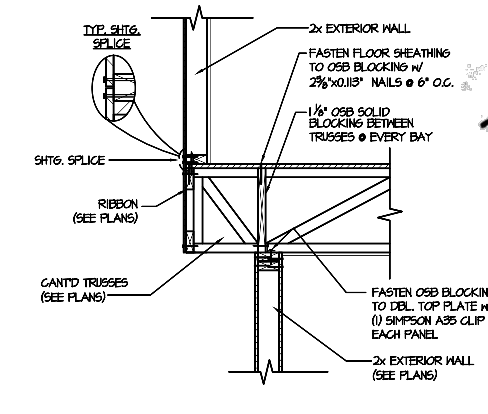
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



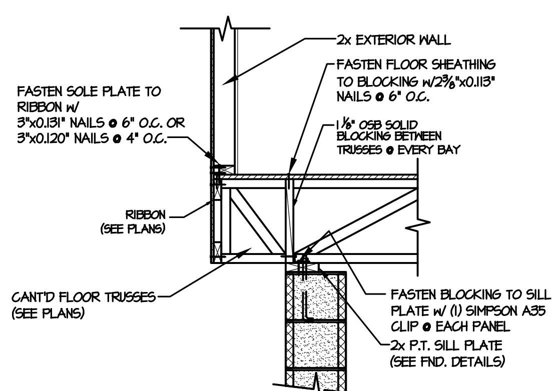
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



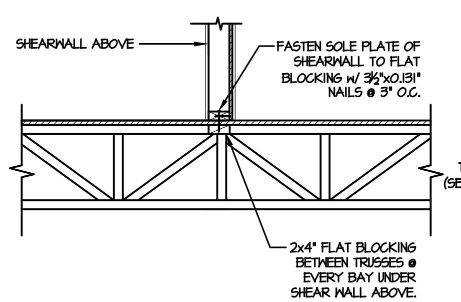
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



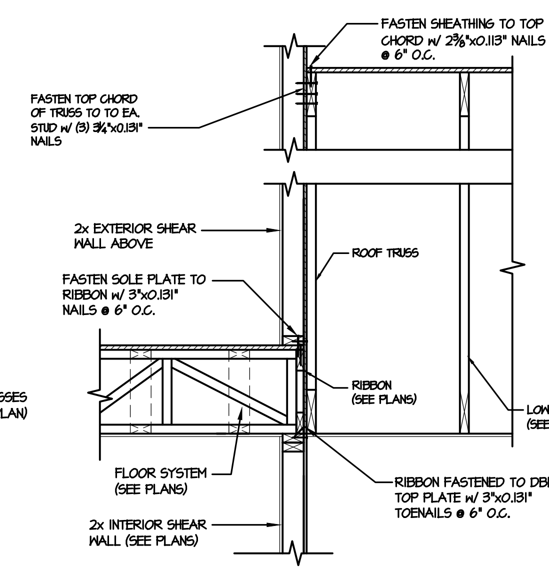
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



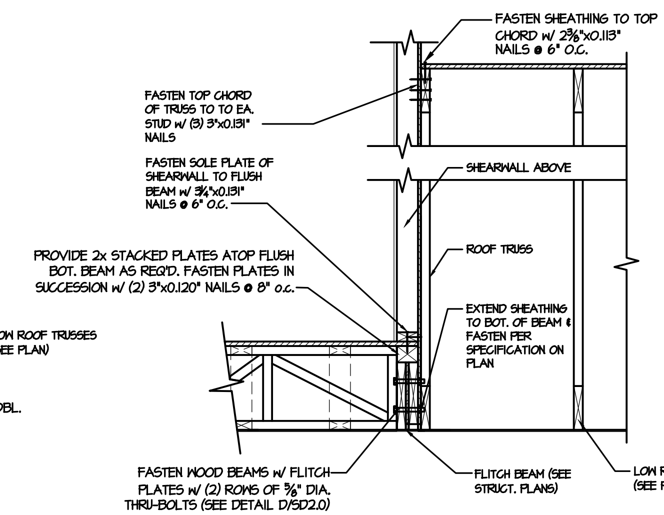
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



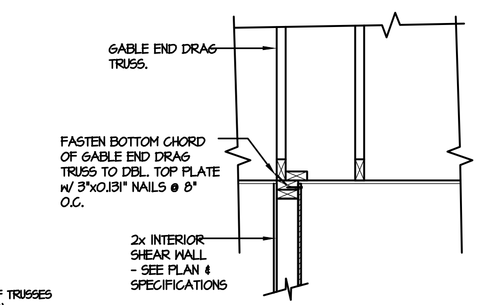
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



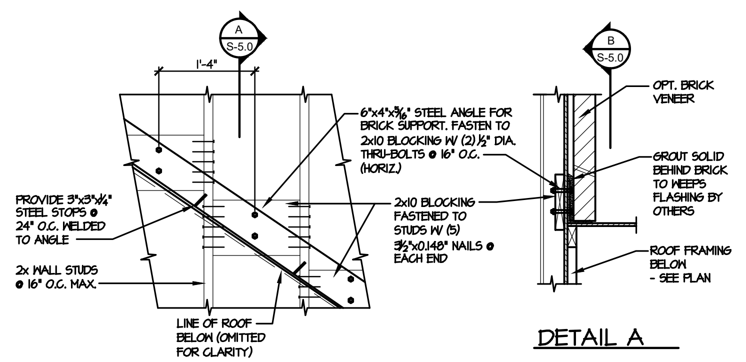
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



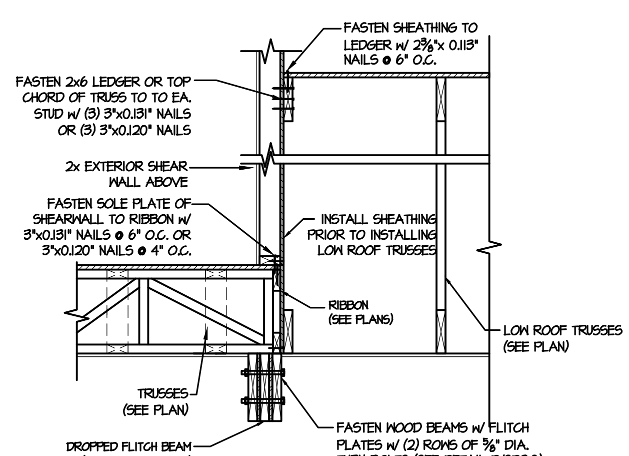
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



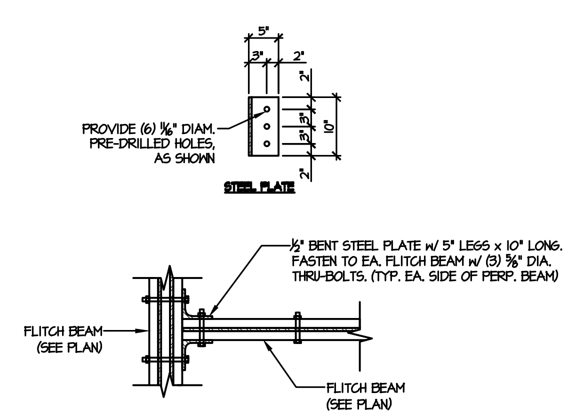
10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



11 DETAIL SUPPORT OF BRICK VENEER
SCALE: 3/4"=1'-0"



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



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

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL SEAL 056012 ENGINEER JOSEPH T. RICKER

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M&K project number: 126-24045

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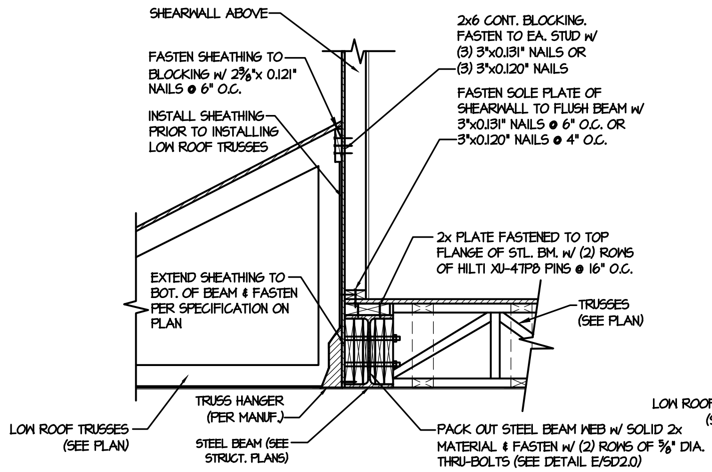
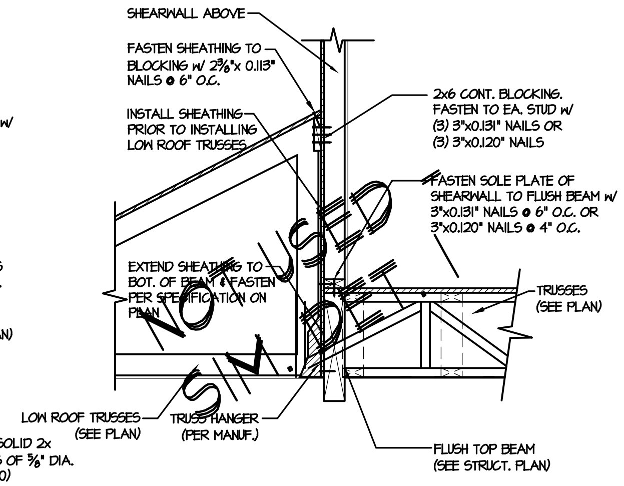
FRAMING DETAILS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD2.1B

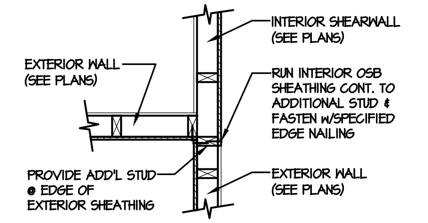
FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



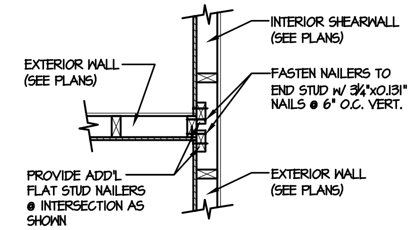
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



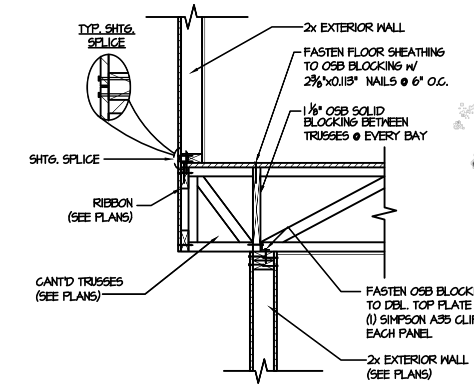
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



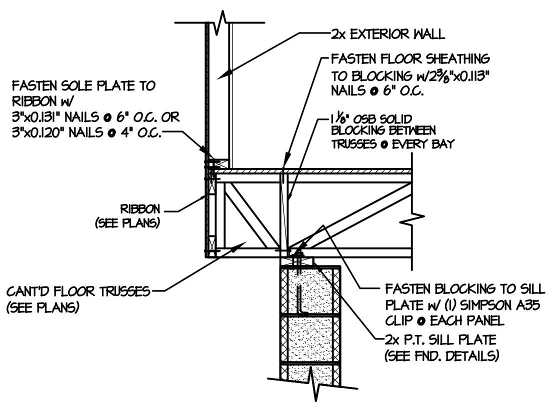
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



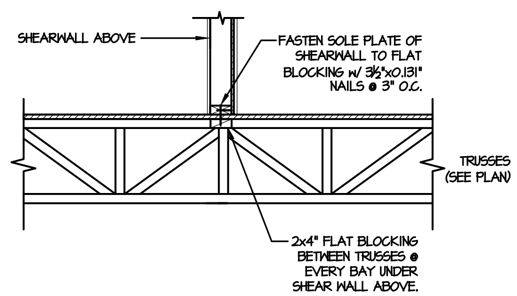
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



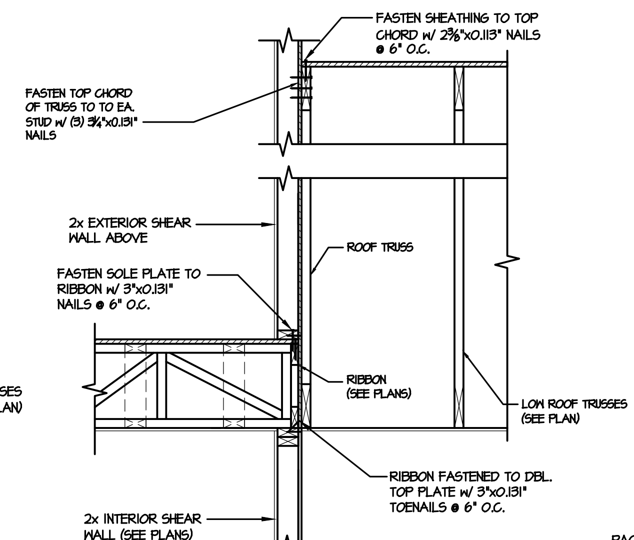
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



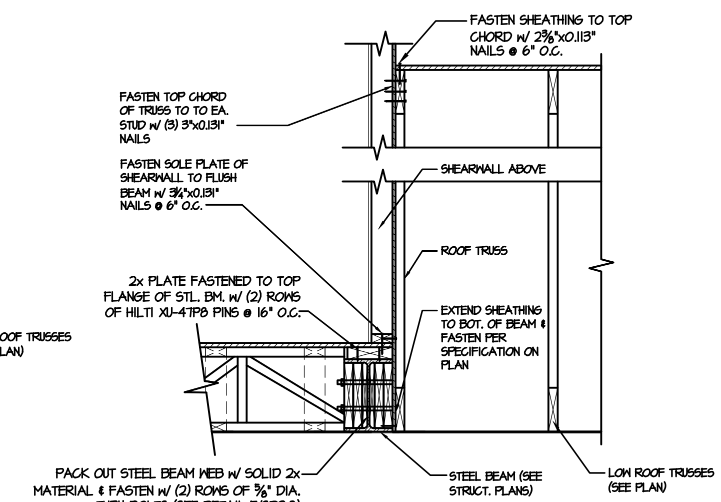
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



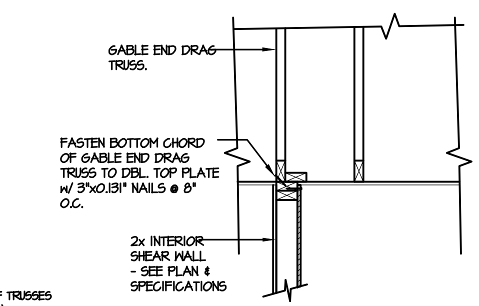
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



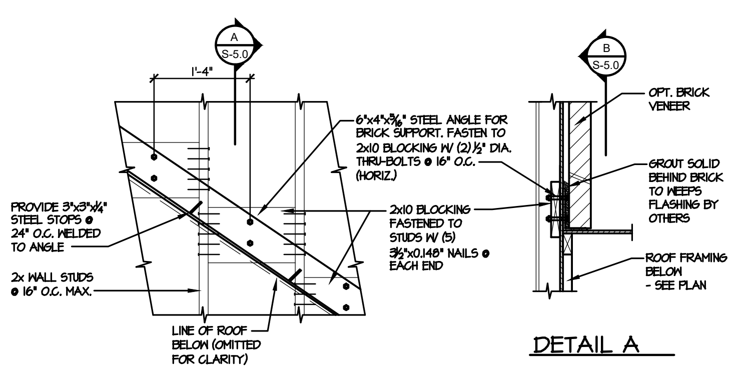
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



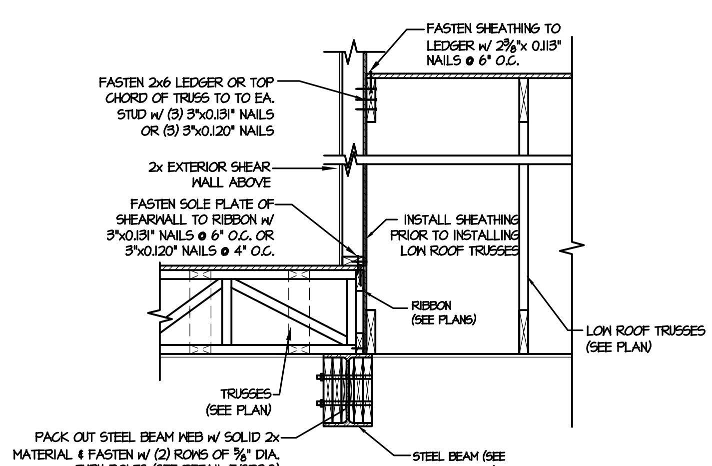
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"

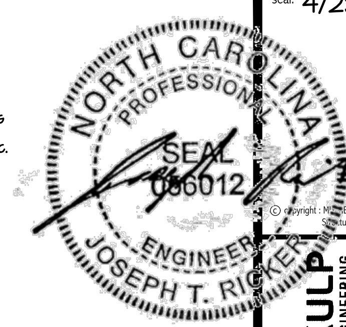


11 DETAIL SUPPORT OF BRICK VENEER
SCALE: 3/4"=1'-0"



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

seal: 4/25/25



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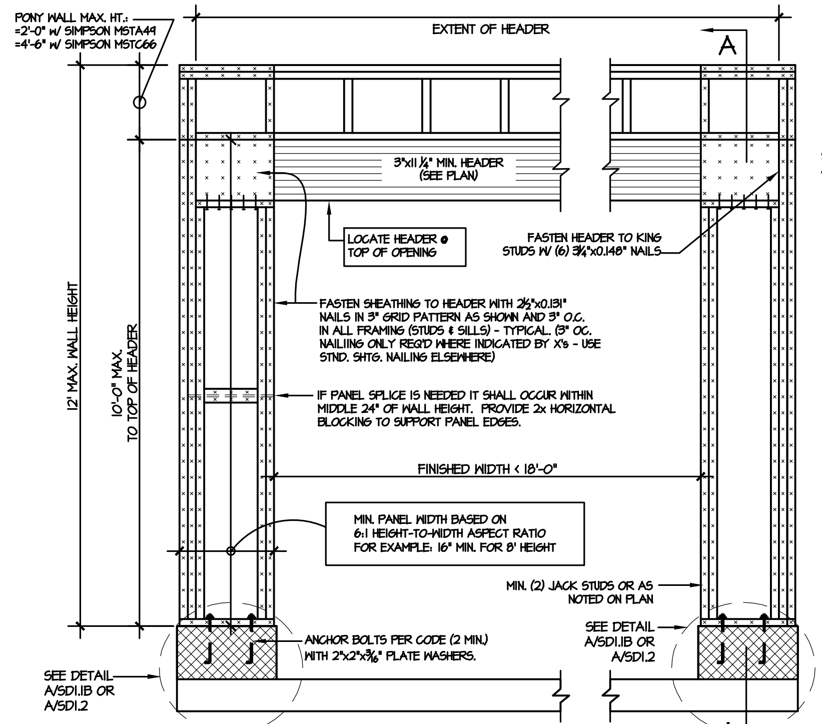
REVISIONS:

DRB HOMES

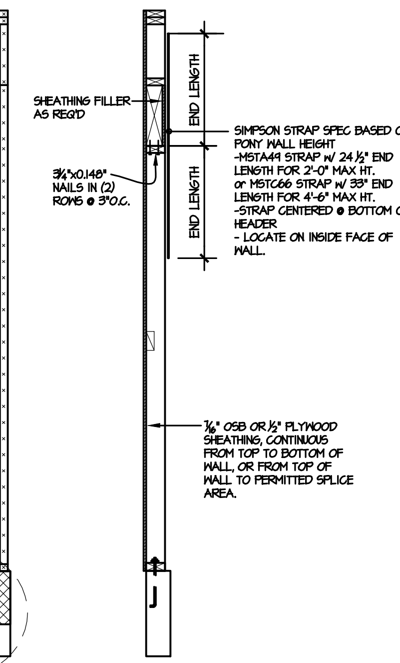
FRAMING DETAILS
CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD2.1C

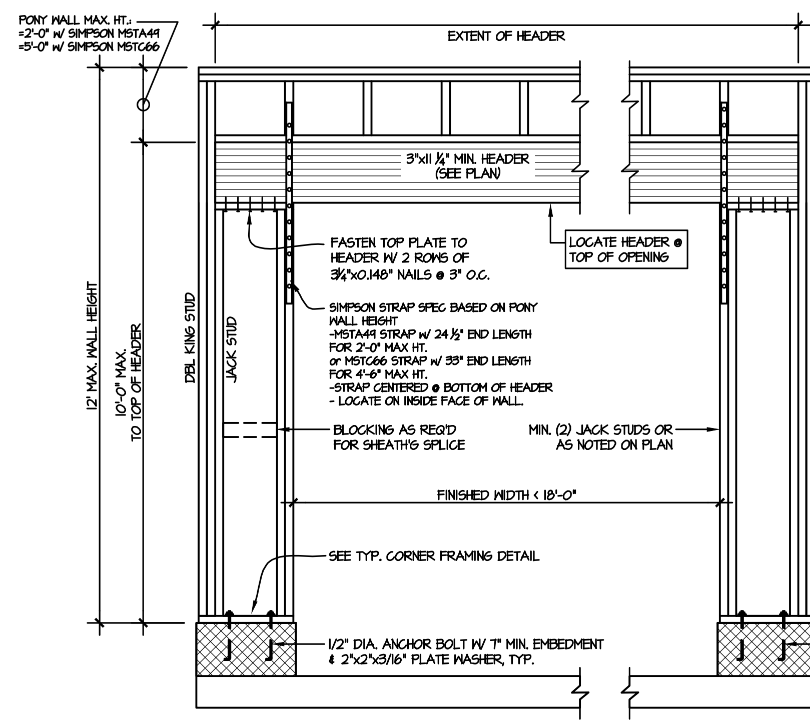
FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



OUTSIDE ELEVATION

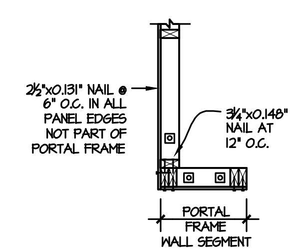


SECTION A-A THROUGH PIER



INSIDE ELEVATION

NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 7/16" OSB



PLAN VIEW OF CORNER DETAIL

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.

SCALE: N.T.S.

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL SEAL 036012 ENGINEER JOSEPH T. RICKER

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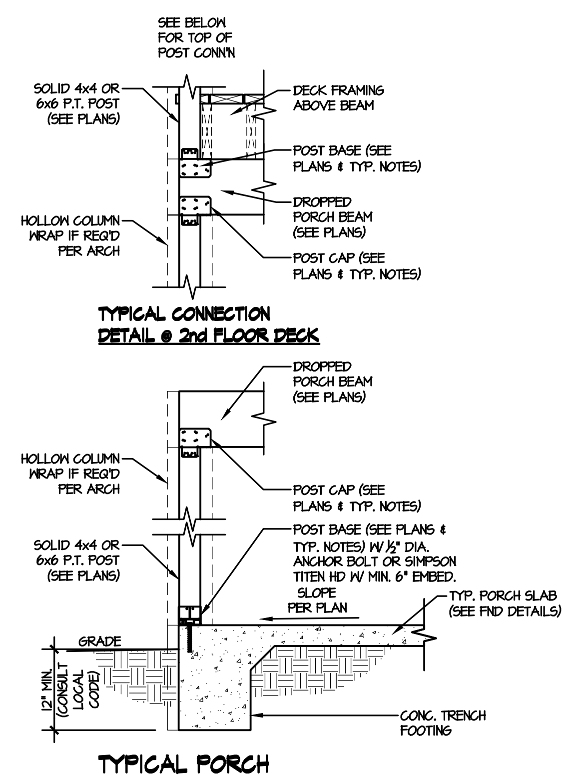
FRAMING DETAILS

CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD2.2

FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



TYPICAL PORCH POST CONNECTION DETAIL (3)

SCALE: NONE

SLAB ON GRADE SHOWN (RAISED SLAB SIM.)

seal: 4/25/25

NORTH CAROLINA PROFESSIONAL SEAL 036012 ENGINEER JOSEPH T. RICKER

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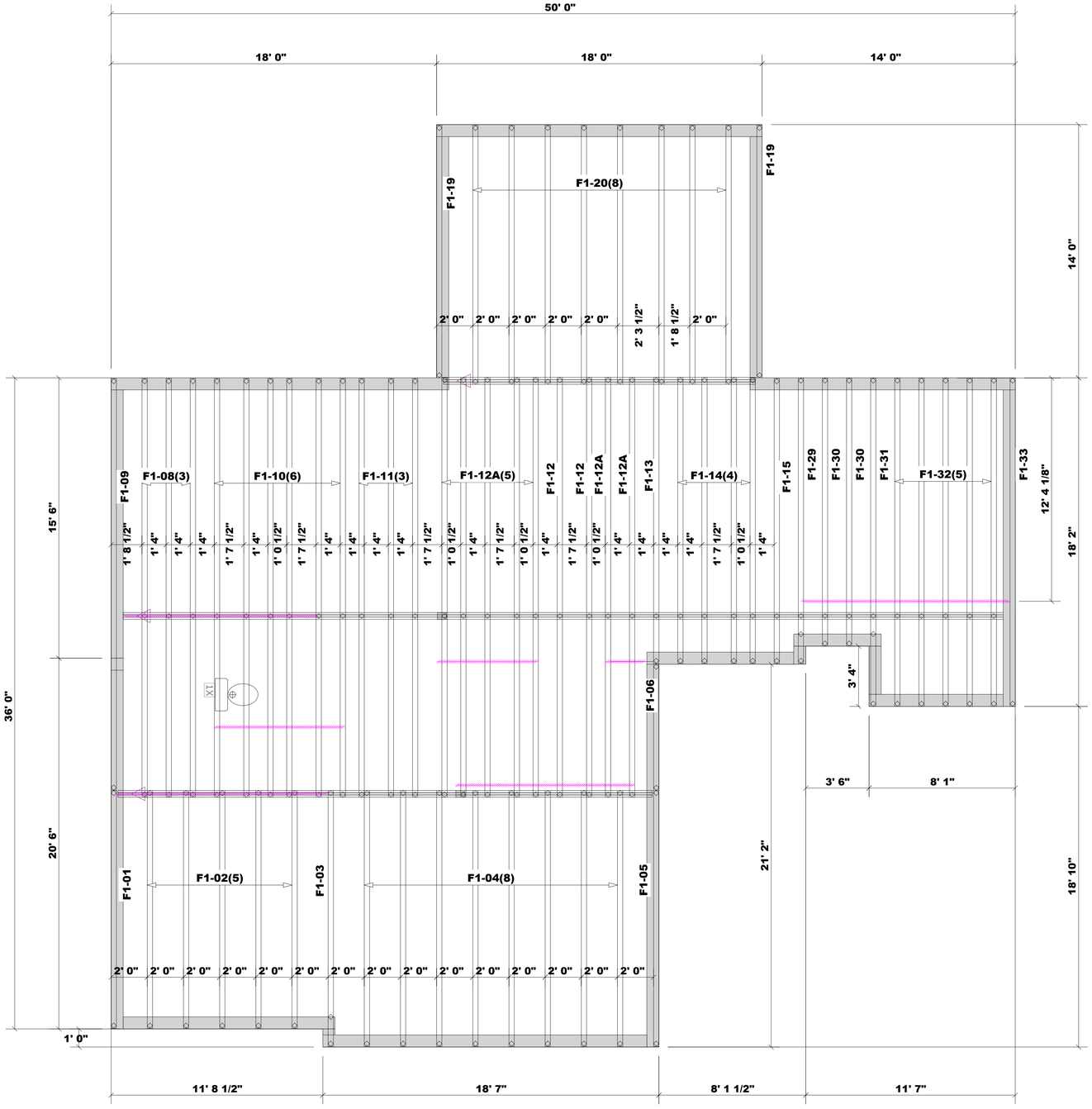
FRAMING DETAILS

CAMPBELL RIDGE
LOT 2 - STONEFIELD 1
RALEIGH, NC

sheet: SD3.0

FILE: RLH - Campbell Ridge - Lot 2 - Structurals DATE: 4/25/2025 10:30 AM



FOR PERMIT

◀ = LEFT END OF TRUSS

FLOOR

Client: DRB GROUP-RALEIGH

Job: LOT 0.0002 CAMPBELL RIDGE

Plan Information: STONEFIELD-1

NOT TO SCALE

Date: 04/16/25

Drawn By: TAS

Job #: 25-3559-F01

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

REVISIONS:

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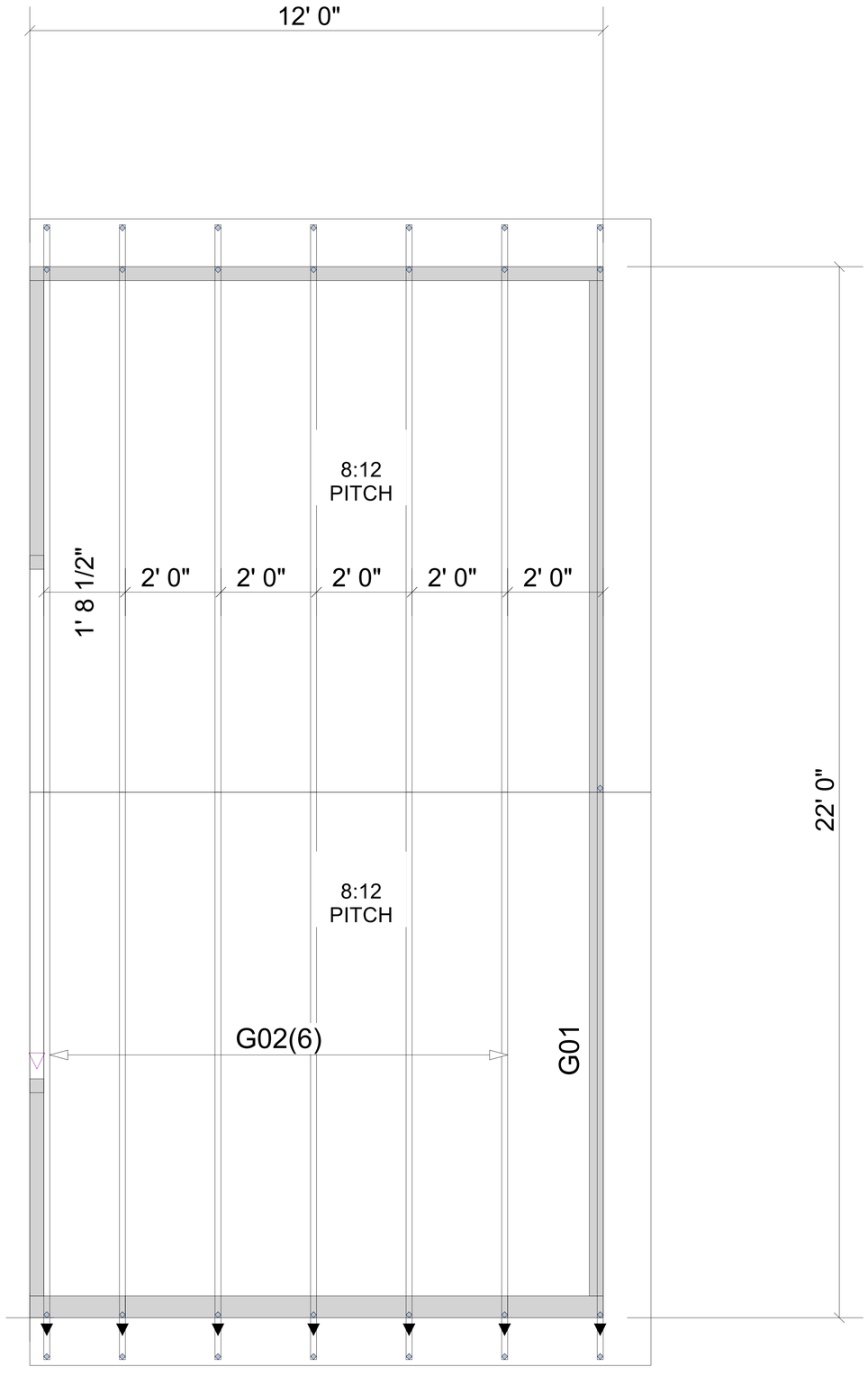
Moncks Corner/Easley, SC (800) 475-3999
Sparta, NC (336) 372-2226



GARAGE HEADER BY BUILDER PER ENG

FOR PERMIT

◀= LEFT END OF TRUSS

ROOF

Client: DRB GROUP-RALEIGH

Job: LOT 0.0002 CAMPBELL RIDGE

Plan Information: STONEFIELD-1

NOT TO SCALE

Drawn By: TAS

Date: 04/16/25

Job #: 25-3559-R01

Sales Rep: KYLE GIBSON

Phone:

REVISIONS:

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Moncks Corner/Easley, SC (800) 475-3999
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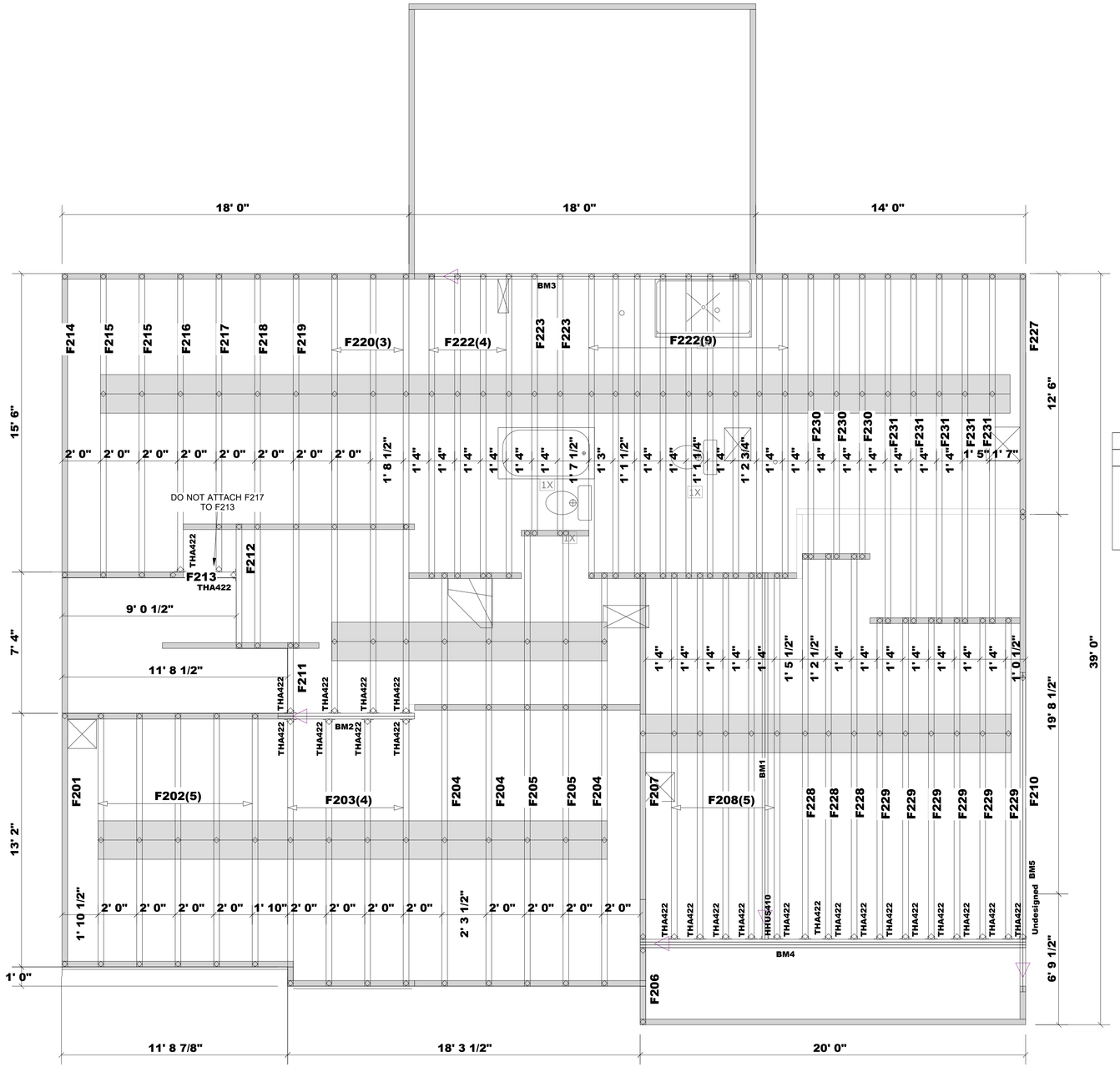


Truss Connector Total List		
Manuf	Product	Qty
Simpson	THA422	24

Connector Summary			
Qty	Manuf	Product	Flange
1	Simpson	HHUS410	None

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM1	20' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	MFD
BM2	8' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2	MFD
BM3	16' 0"	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
BM4	20' 0"	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	3	3	MFD
BM5	18' 0"	1-3/4" x 16" VERSA-LAM® LVL 2.1E 3100 SP	2	2	MFD

FOR PERMIT

ROOF

Client: DRB GROUP-RALEIGH

Job: LOT 0.0002 CAMPBELL RIDGE

Plan Information: STONEFIELD-1

NOT TO SCALE

Date: 1-11-17

Drawn By: TAS

Job #: 25-3559-F02

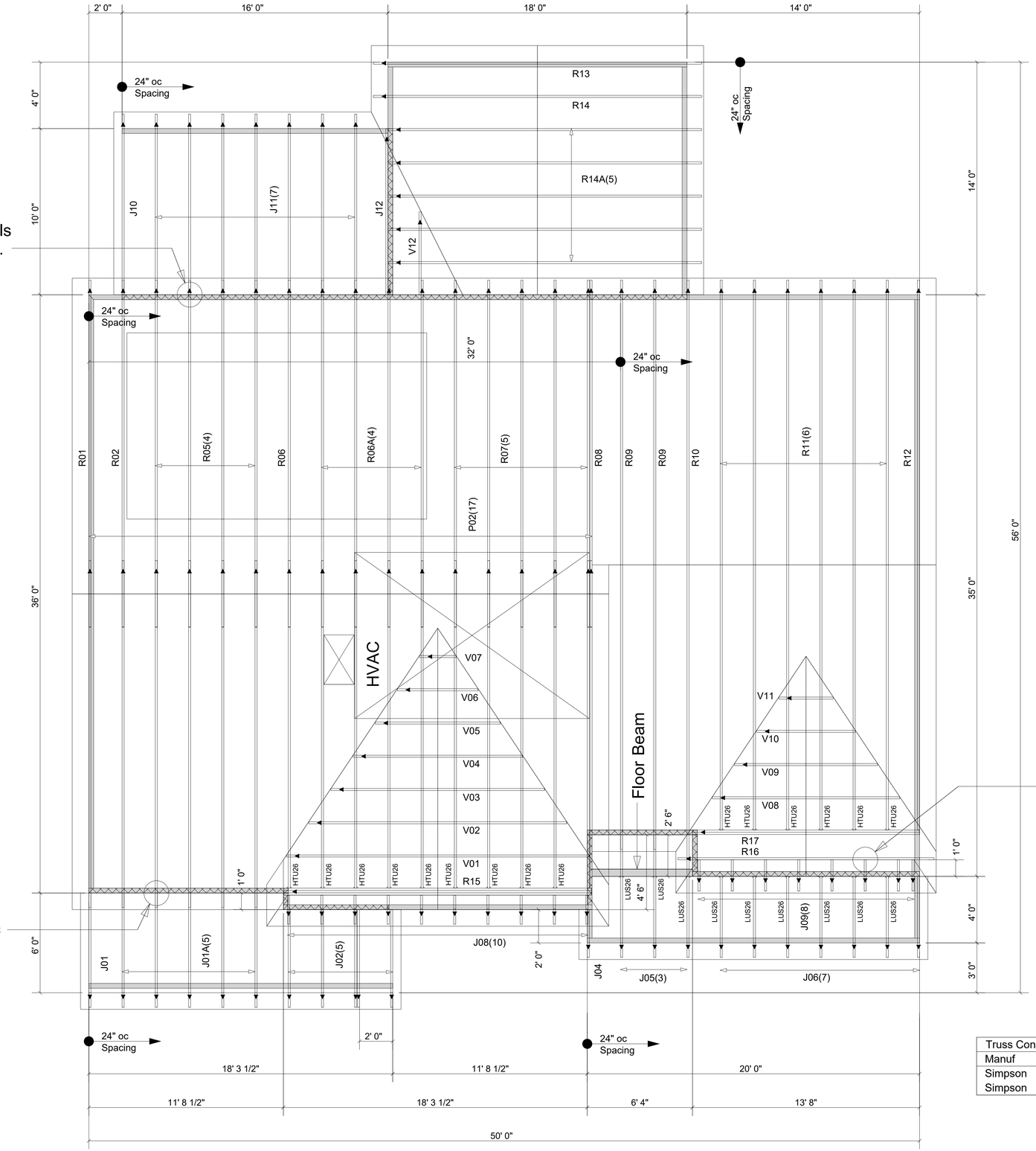
Sales Rep: KYLE GIBSON
Phone: 843-729-3249

ATLANTIC
1998 Cane Gully Road, Moncks Corner SC 29461
Phone: (800) 475-3999 Fax (843) 565-3193
Web: www.atlanticbcs.com

2x4 ledger (by others) fastened to truss end verticals per detail 5 on sheet S5.0T.

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

2x4 ledger (by others) connected to floor trusses spaced 24" oc with a minimum of (4) .128x3.25" nails per each carried truss.



For all small open-ended mono roof trusses, use (3) 10d nails in the top chord and (3) 10d nails in the bottom chord.

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HTU26	15
Simpson	LUS26	9

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.

FOR PERMIT

◀ = LEFT END OF TRUSS

ROOF

Client: DRB GROUP-RALEIGH

Job: LOT 0.0002 CAMPBELL RIDGE

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NOT TO SCALE

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