
STONEFIELD-RALE

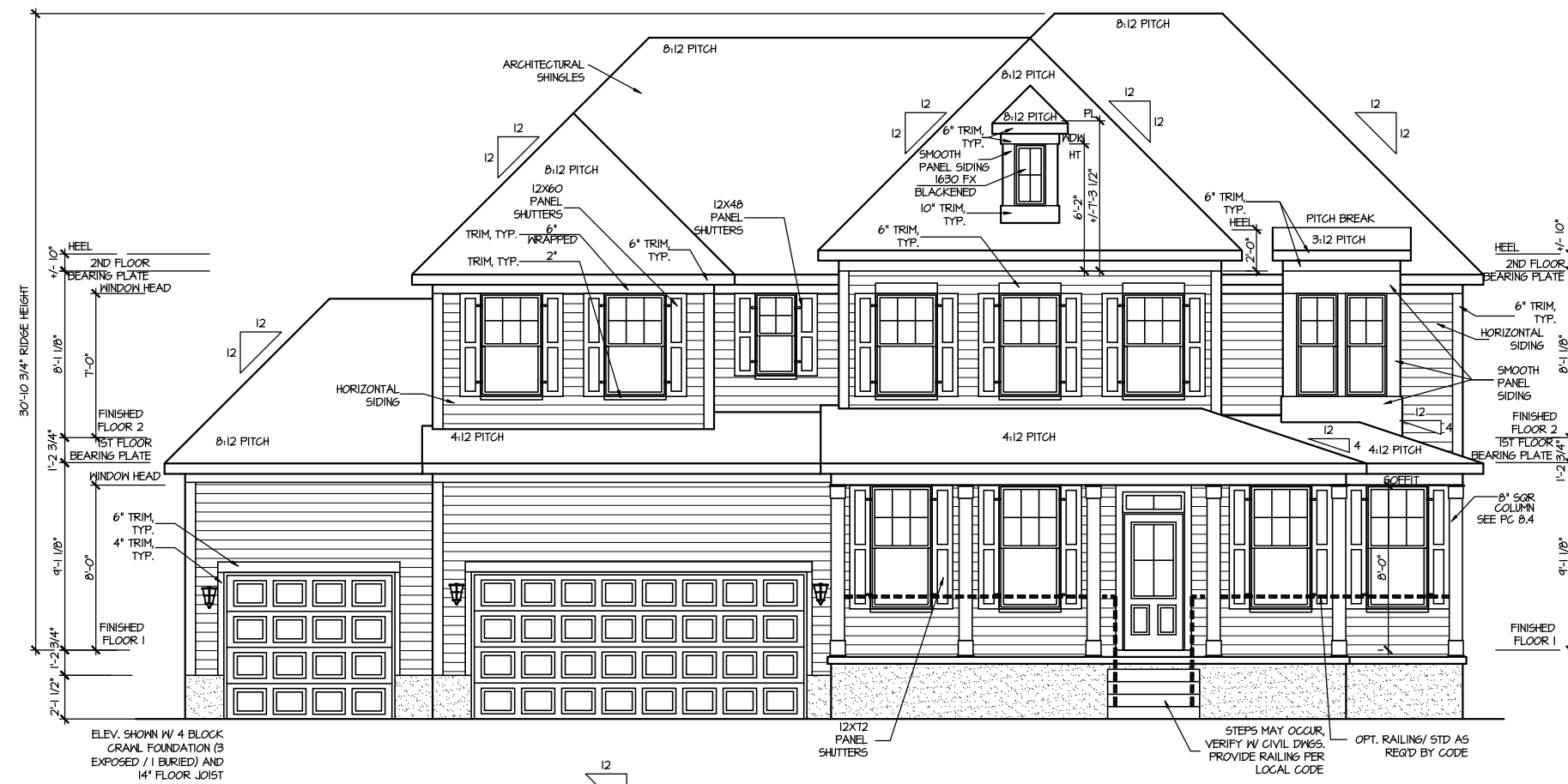
RALEIGH - LOT 00.0048 HONEY HILLS SF

ELEVATION 7 - GL

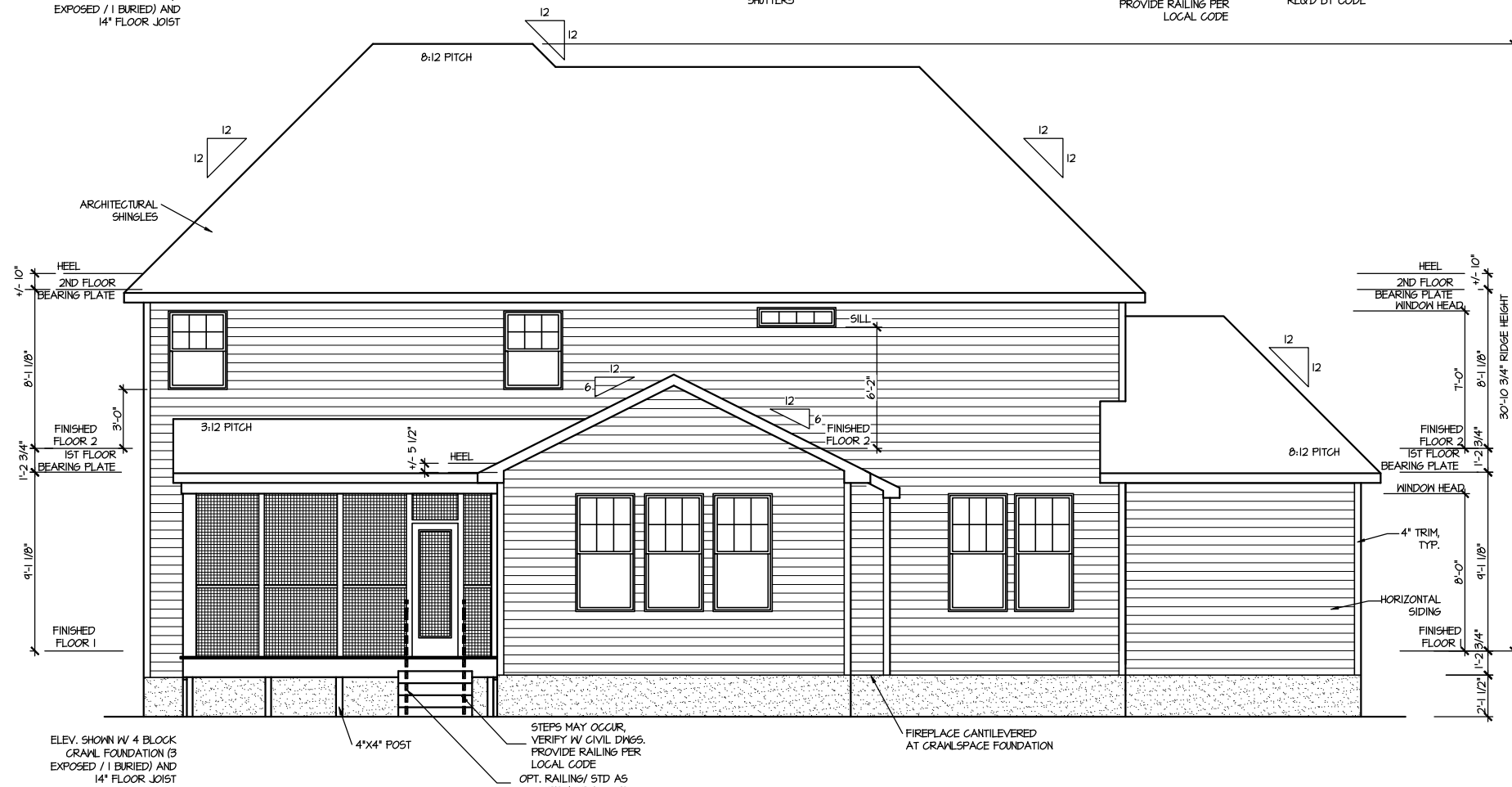
The logo for DRB HOMES features the letters "DRB" in a large, bold, black sans-serif font. Below "DRB", the word "HOMES" is written in a smaller, blue, sans-serif font. The entire logo is centered horizontally.

56 Shelby Meadow Lane

[illegible][illegible][illegible]



FRONT ELEVATION 7



REAR ELEVATION 7

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

DRAWN BY:	ITS
DATE:	04/15/2025
PLAN NO.	1635



HOUSE NAME: **STONEFIELD**

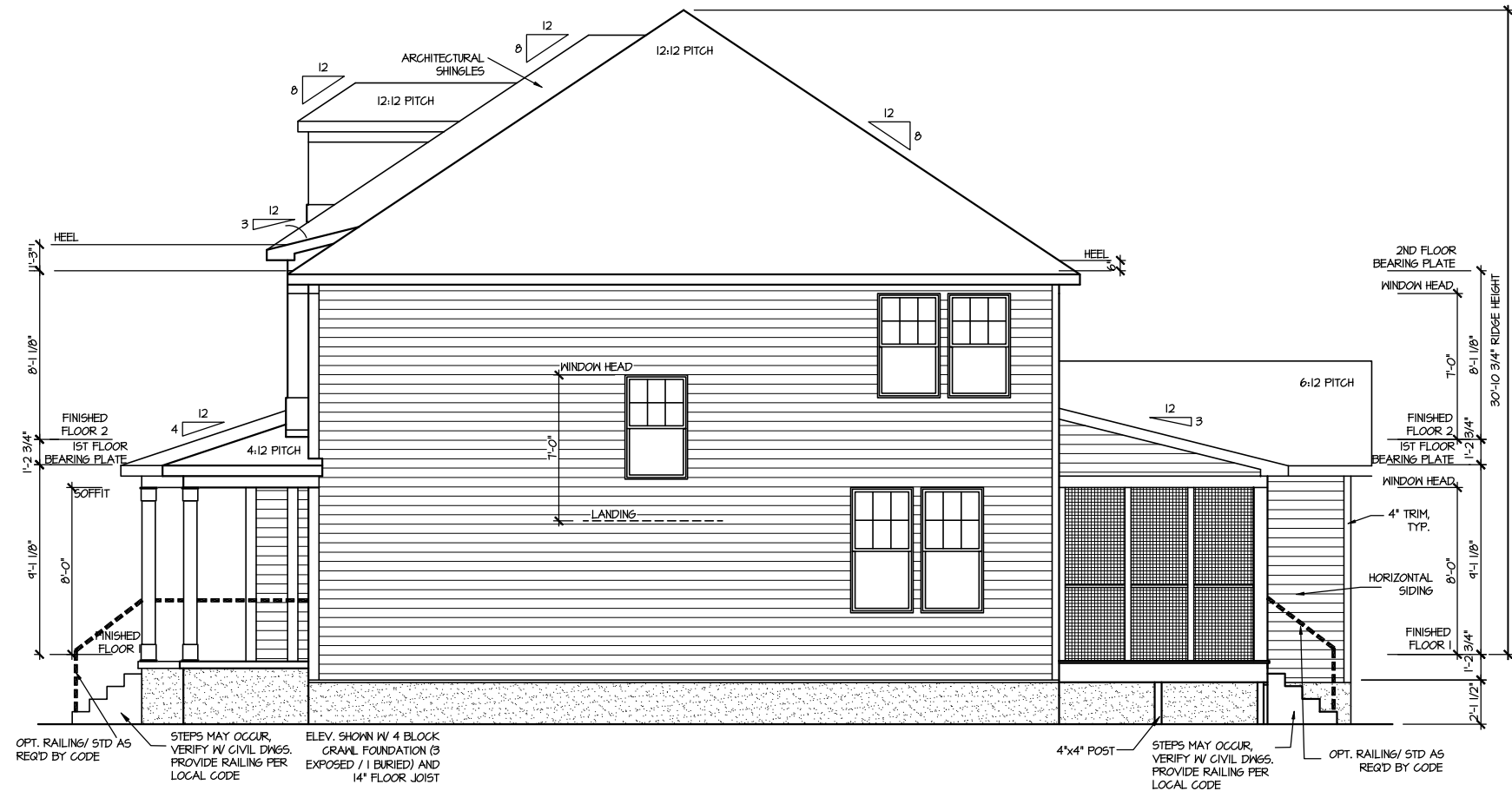
DRAWING TITLE: **FRONT & REAR ELEVATIONS**

SHEET No.

FILE: Lot_00.0048_omendment.dwg DATE: 4/15/2025 9:41 AM

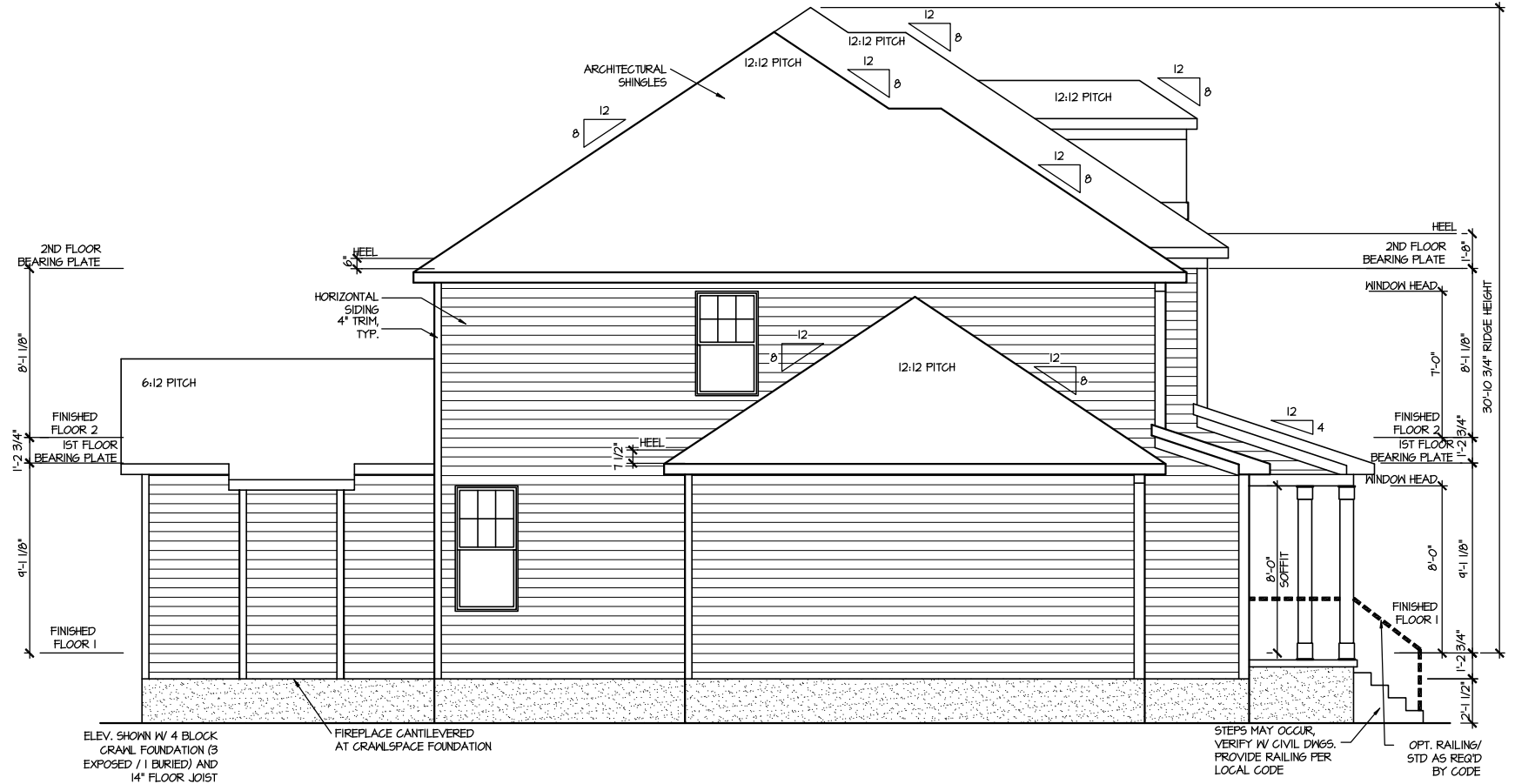
RIGHT ELEVATION 7

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



LEFT ELEVATION 7

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



MASTER PLAN INFORMATION

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

DRAWN BY: ITS

DATE: 04/15/2025

PLAN NO. 1635

DRB
HOMES

HOUSE NAME: STONEFIELD

DRAWING TITLE

RIGHT & LEFT ELEVATIONS

SHEET No.

A1.2

ATTIC VENT CALCULATION FOR PLAN '7'

UPPER ROOF VENTILATION CALCULATIONS:
ROOF AREA 1 = 1791 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 11.921 SQ. FT.
1 TO 300 = 5.963 SQ. FT.
50% IN TOP THIRD = 2.981 SQ. FT. (1 TO 300)
NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF):
32 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 3245 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF):
24 LINEAR FEET OF RIDGE X 10 SQ. IN = 240 SQ. FT.
3 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 3 = 95 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.63 SQ. FT.
1 TO 300 = 0.317 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 = 10 SQ. IN / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF):
25 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 0.98 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF):
9 LINEAR FEET OF RIDGE X 10 SQ. IN = 1 SQ. FT.
1 SQ. FT. BETWEEN SOFFIT
(1 TO 300 ALLOWED)

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 = 0.391 SQ. FT. (1 TO 300)
NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF):
10 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 0.346 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF):
4 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.5 SQ. FT.
1 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

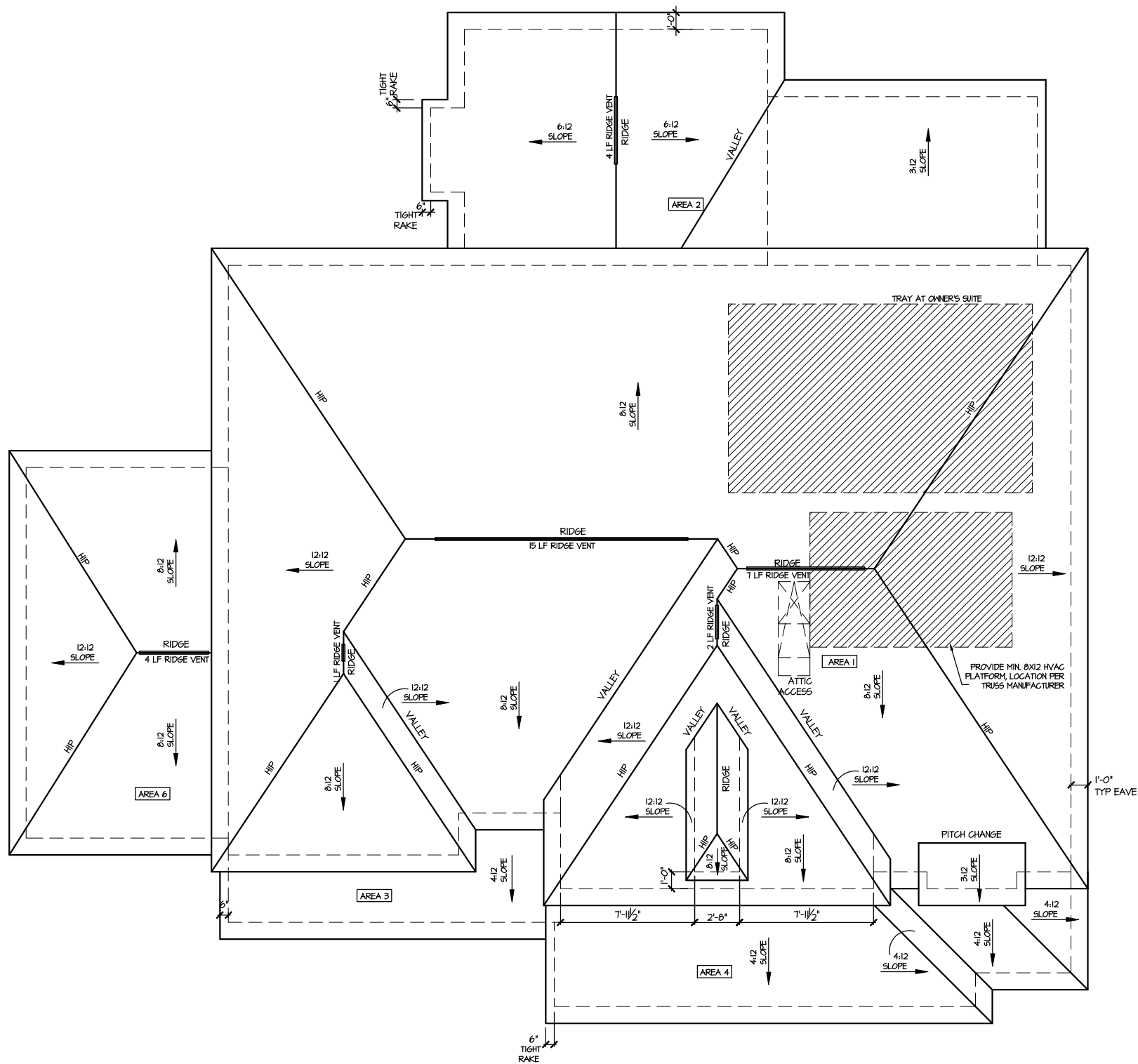
NOTE: ROOF PLANS SHOWN W/ MIN. REQ'D RIDGE VENT LOCATIONS.
ACTUAL RIDGE VENT LOCATIONS AND QUANTITY PER BUILDER

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 = 10 SQ. IN / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF):
11 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 0.435 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF):
4 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.5 SQ. FT.
0.5 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 208 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.643 SQ. FT.
1 TO 300 = 0.321 SQ. FT.
50% IN TOP THIRD = 0.160 SQ. FT. (1 TO 300)
NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT.
NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.
LOWER VENTING (BOTTOM 2/3 ROOF):
20 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 0.74 SQ. FT.
UPPER VENTING (TOP 1/3 ROOF):
8 LINEAR FEET OF RIDGE X 10 SQ. IN = 1 SQ. FT.
1 SQ. FT. BETWEEN SOFFIT
(1 TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 1.74 SQ. FT. > 0.32 SQ. FT. (REQ'D)



ROOF PLAN ELEV. 7

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

MASTER PLAN INFORMATION

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

DRAWN BY: ITS

DATE: 04/15/2025

PLAN NO. 1635

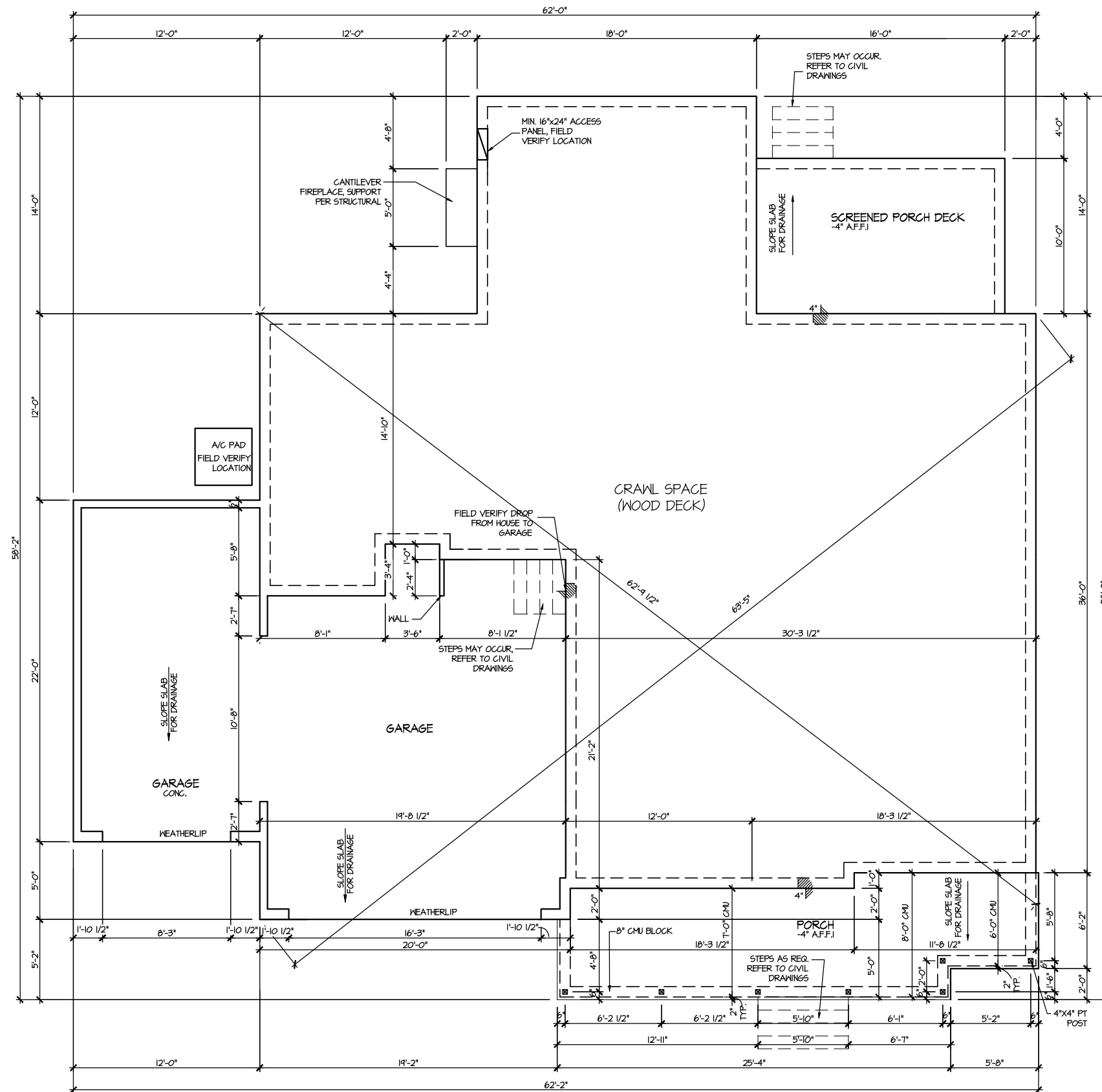
DRB HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: ROOF PLAN

SHEET No.

A1.3

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



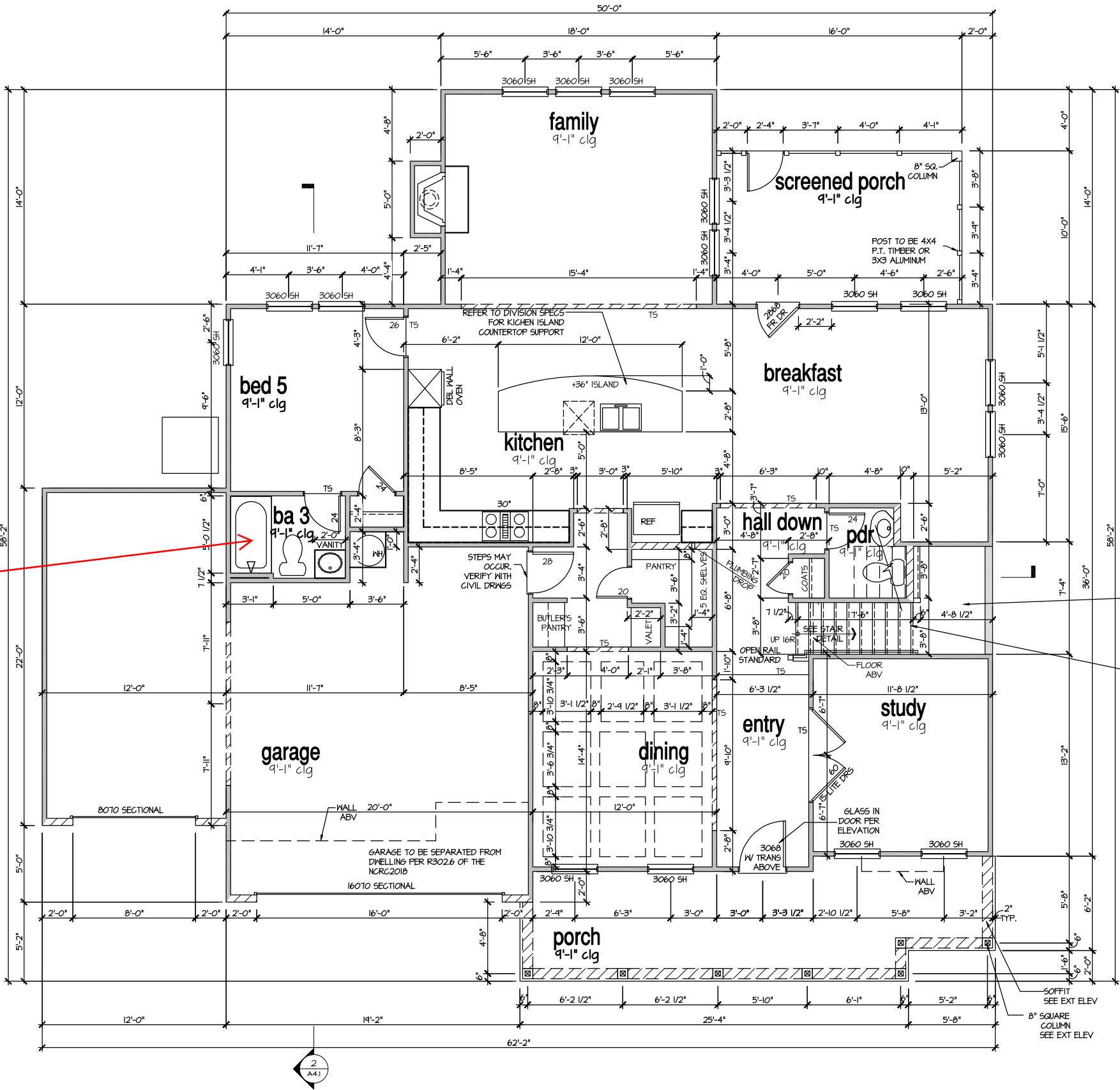
SCALE: 1/8" = 1'-0"

DRAWN BY: ITS
DATE: 04/15/2025
PLAN NO. 1635



HOUSE NAME: STONEFIELD
DRAWING TITLE: CRAWL SPACE PLAN

SHEET No. A2.1



Level 1 Tile Shower
w/ Fiber Glass Pan
ILO std.

ELEVATION 1
FIRST FLOOR PLAN

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

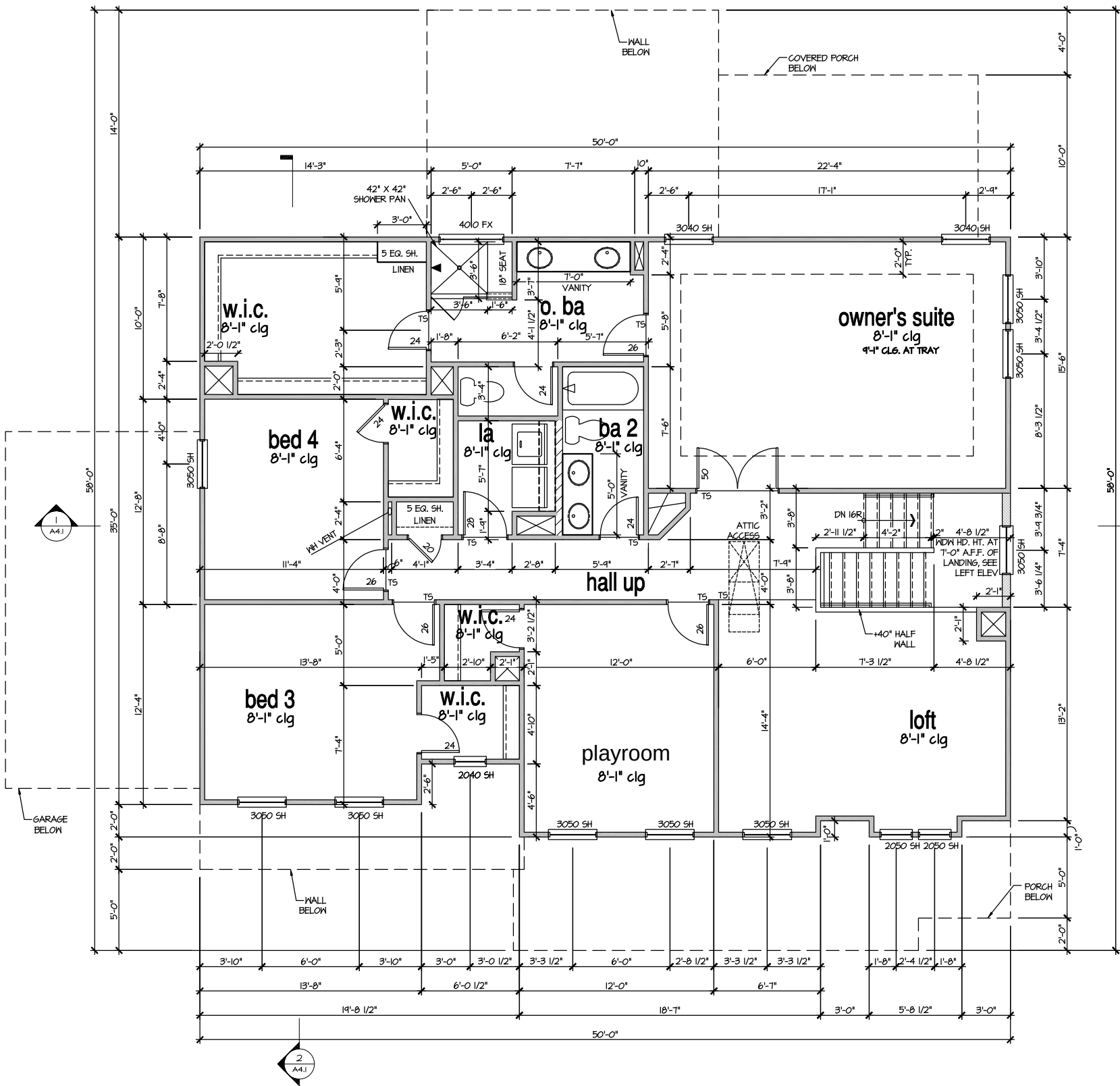
MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	07-31-2024	09-12-2024

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DATE:	04/15/2025
PLAN NO.	1635



HOUSE NAME:	STONEFIELD
DRAWING TITLE	FIRST FLOOR PLAN

SHEET No.	A3.1
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ELEVATION 7
SECOND FLOOR PLAN

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

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

DRAWN BY:	ITS
DATE:	04/15/2025
PLAN NO.	1635



HOUSE NAME:	STONEFIELD
DRAWING TITLE	SECOND FLOOR PLAN

SHEET No.	A3.2
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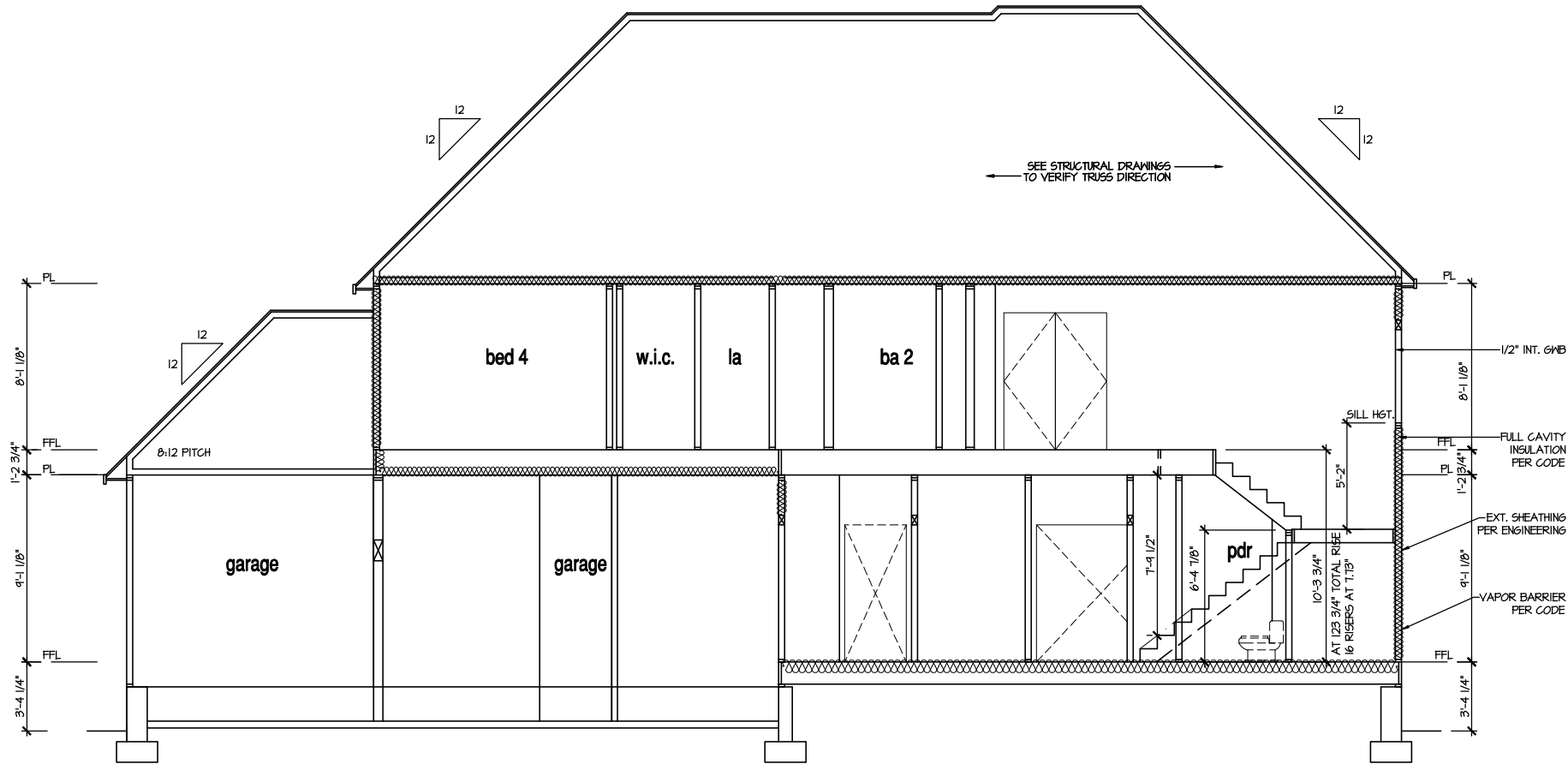
FILE: Lot_00.0048_omendment.dwg DATE: 4/15/2025 9:41 AM

9'-1" STAIR NOTE:
(USE 14" TJI WITH 3/4" PLYWOOD SUBFLOOR)
15 TREADS AT 10" EACH VERIFY
16 RISERS AT +/- 7.75" = 123 3/4" TOTAL
RISE VERIFY

NOTES:

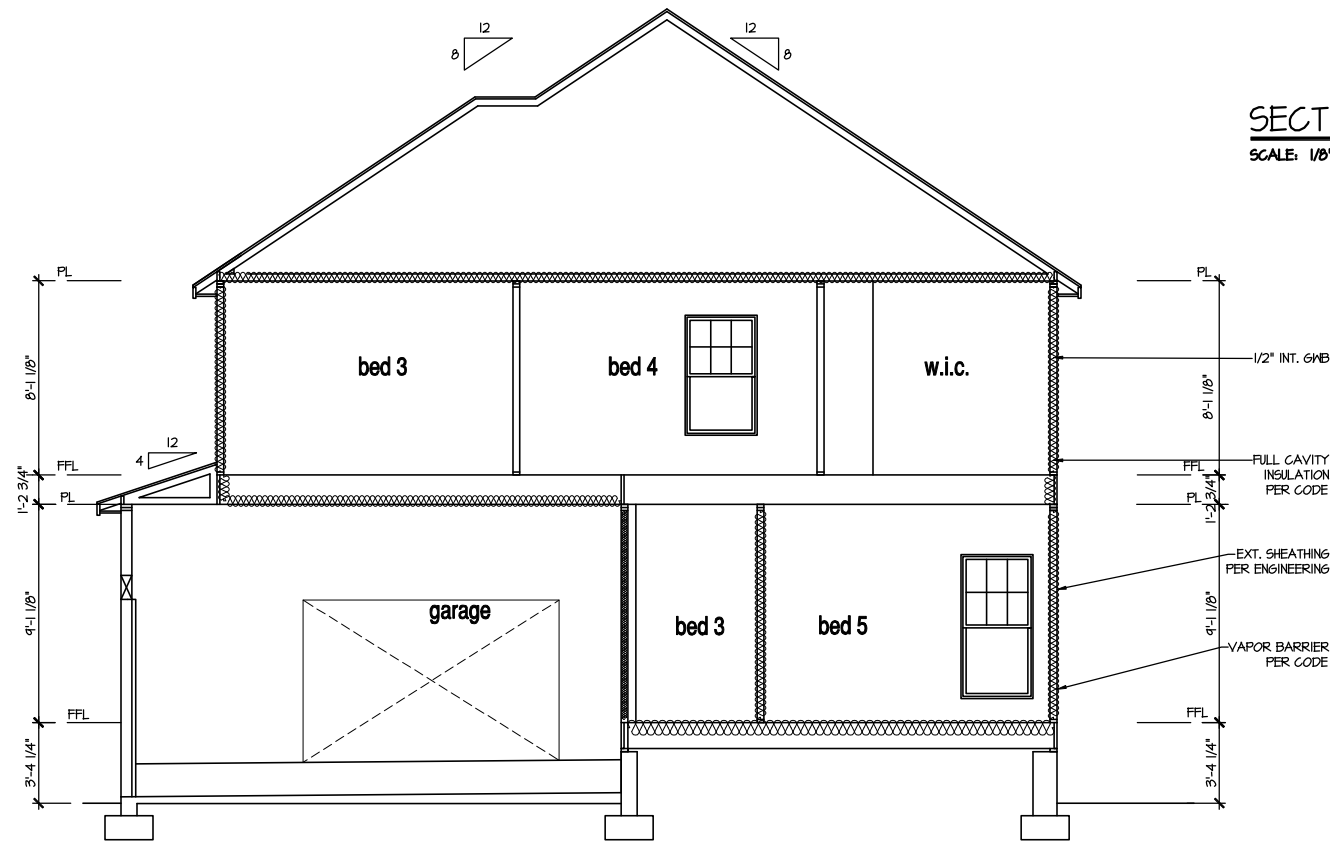
- BUILDING SECTIONS SHOWN HERE DEPICT VOLUMN SPACES WITHIN THE STRUCTURE. REFER TO STRUCTURAL DRAWINGS, TRUSS DRAWINGS, STRUCTURAL DETAILS AND CALCULATIONS BY OTHER FOR ALL STRUCTURAL INFO.
- ROOFING: PITCHED SHINGLE ROOF. REFER TO ROOF PLAN FOR TYPICALS.
- WOOD FLOORS: FLOOR SHEATHING OVER FLOOR JOIST. REFER TO STRUCTURAL AND TRUSS DRAWINGS BY OTHERS.
- INSULATION:
 - EXTERIOR WALLS: R-13 BATTS MINIMUM. VERIFY
 - CEILING WITH ATTIC ABOVE: R-30 BATTS MINIMUM. VERIFY
 - FLOOR OVER GARAGE: R-14 BATTS MINIMUM. VERIFY
 - ATTIC KNEEWALL: R-14 BATTS MINIMUM. VERIFY

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



SECTION I

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



SECTION 2

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

MASTER PLAN INFORMATION

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

DRAWN BY: ITS

DATE: 04/15/2025

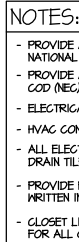
PLAN NO. 1635

DRB
HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: BUILDING SECTION

SHEET No.

A4.1



ELECTRICAL PLAN
FIRST FLOOR - ELEV. 7

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

DRAWN BY:	ITS
DATE:	04/15/2025
PLAN NO.	1635

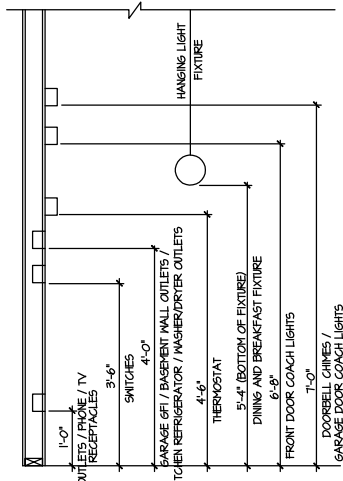


HOUSE NAME: **STONEFIELD**

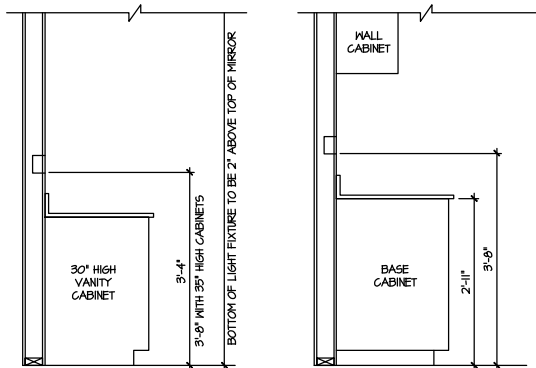
DRAWING TITLE: **FIRST FLOOR ELECTRICAL**

SHEET No

FILE: Lot_00.0048 amendment.dwg DATE: 4/15/2025 9:41 AM



STANDARD ELECTRICAL BOX HEIGHTS



SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS

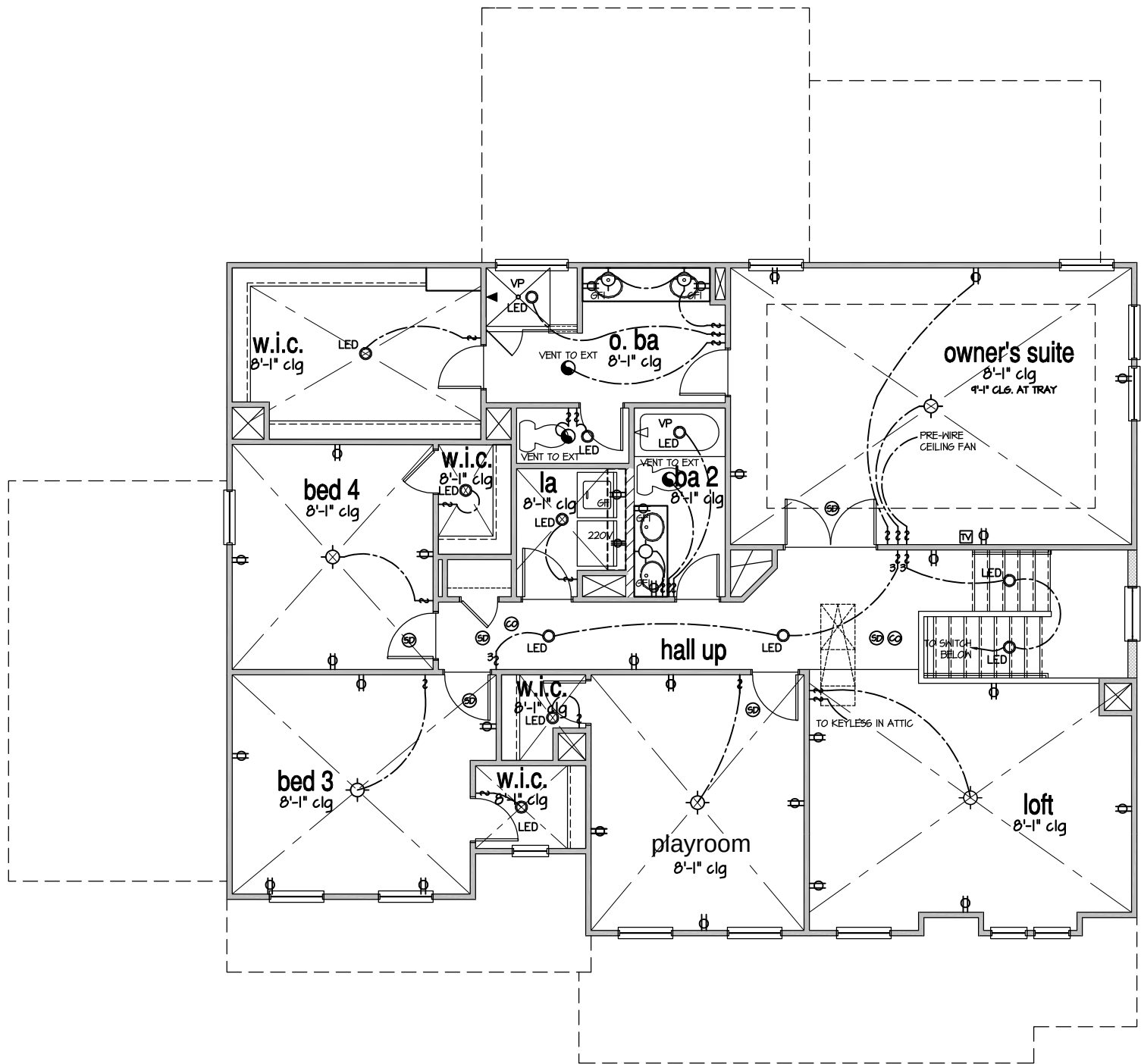
SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS

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 CODE (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:

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



ELECTRICAL PLAN
SECOND FLOOR - ELEV. 7
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
3-RAL	07-31-2024	09-12-2024

DRAWN BY: ITS

DATE: 04/15/2025

PLAN NO. 1635

DRB HOMES

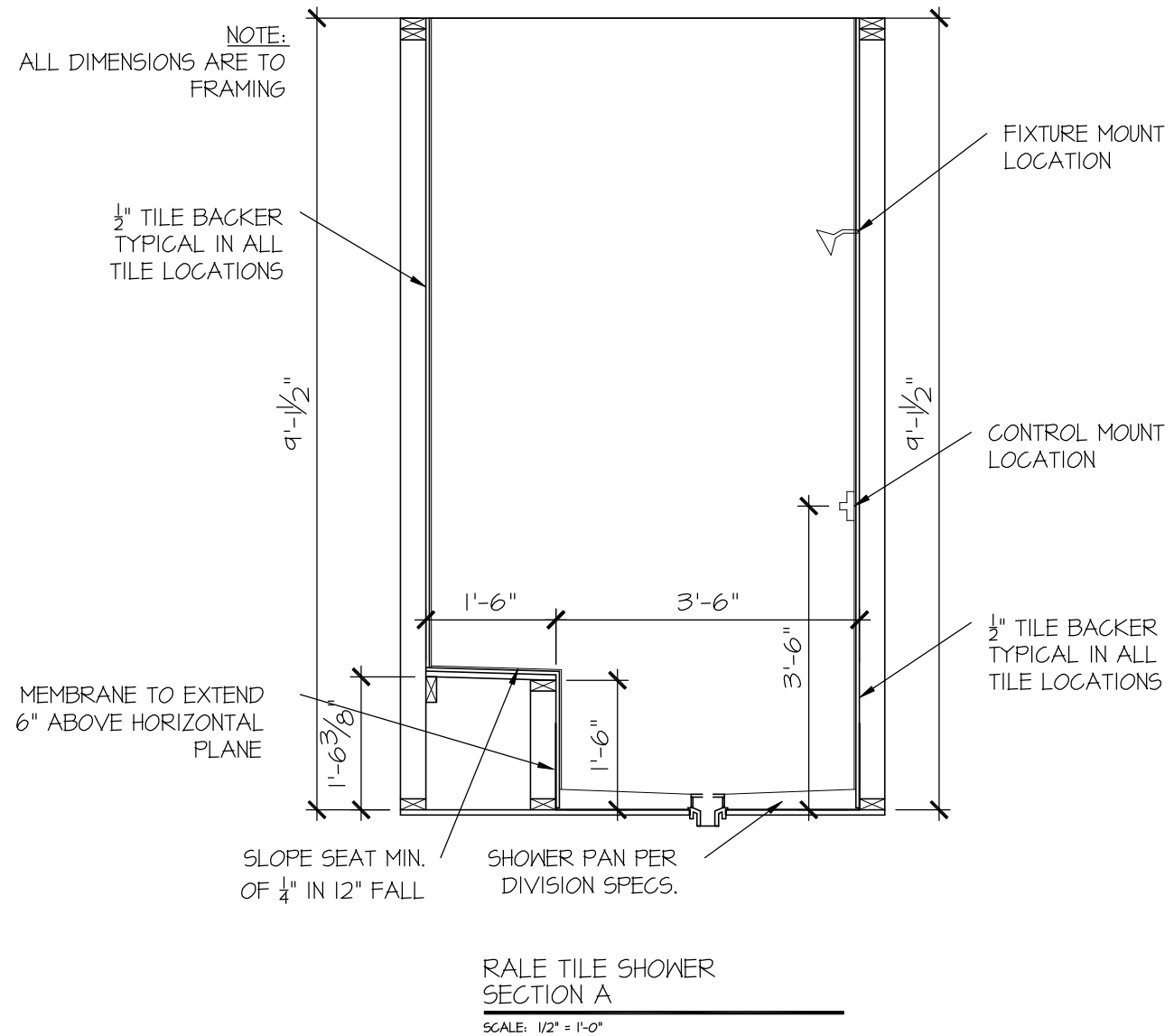
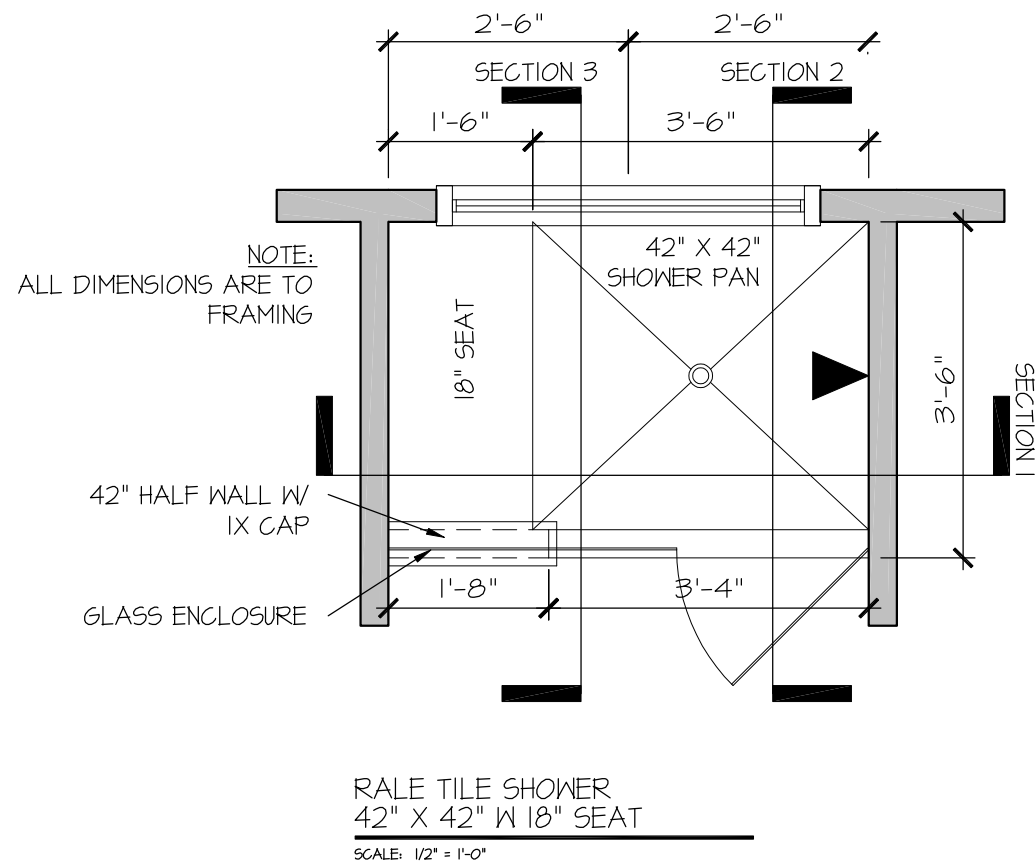
HOUSE NAME: STONEFIELD

DRAWING TITLE
SECOND FLOOR ELECTRICAL

SHEET No.

1.2

FILE: RALE TILE SHOWER DETAIL 8-2022.dwg DATE: 09-19-2022



CONSULTANT LOGO

SEAL

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

DRB
HOMES

HOUSE NAME:

DRAWING TITLE

RALE TILE SHOWER DETAIL

SHEET No.

0111



SHEET No.

P11.2

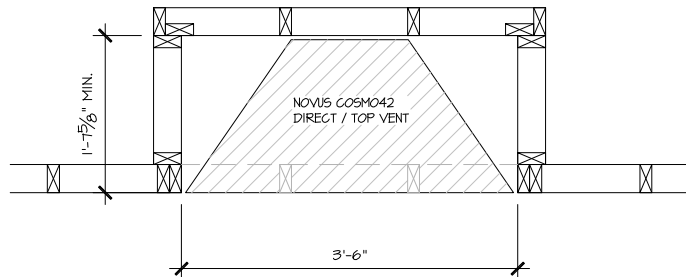
RALE TILE SHOWER
SECTION B

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

RALE TILE SHOWER
SECTION C

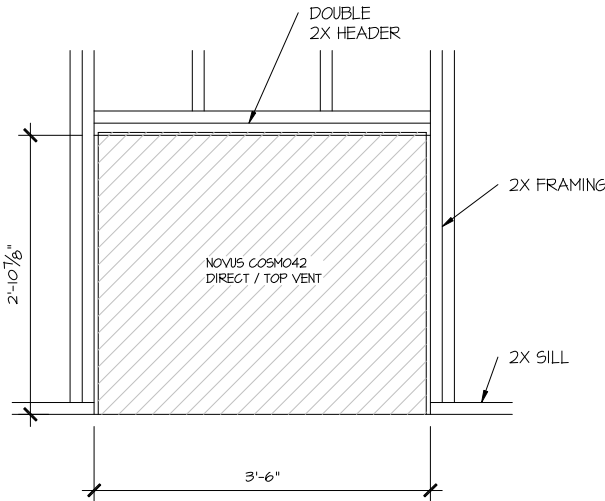
SCALE: 1/2" = 1'-0"

ALL DIMENSIONS
ARE TO FRAMING



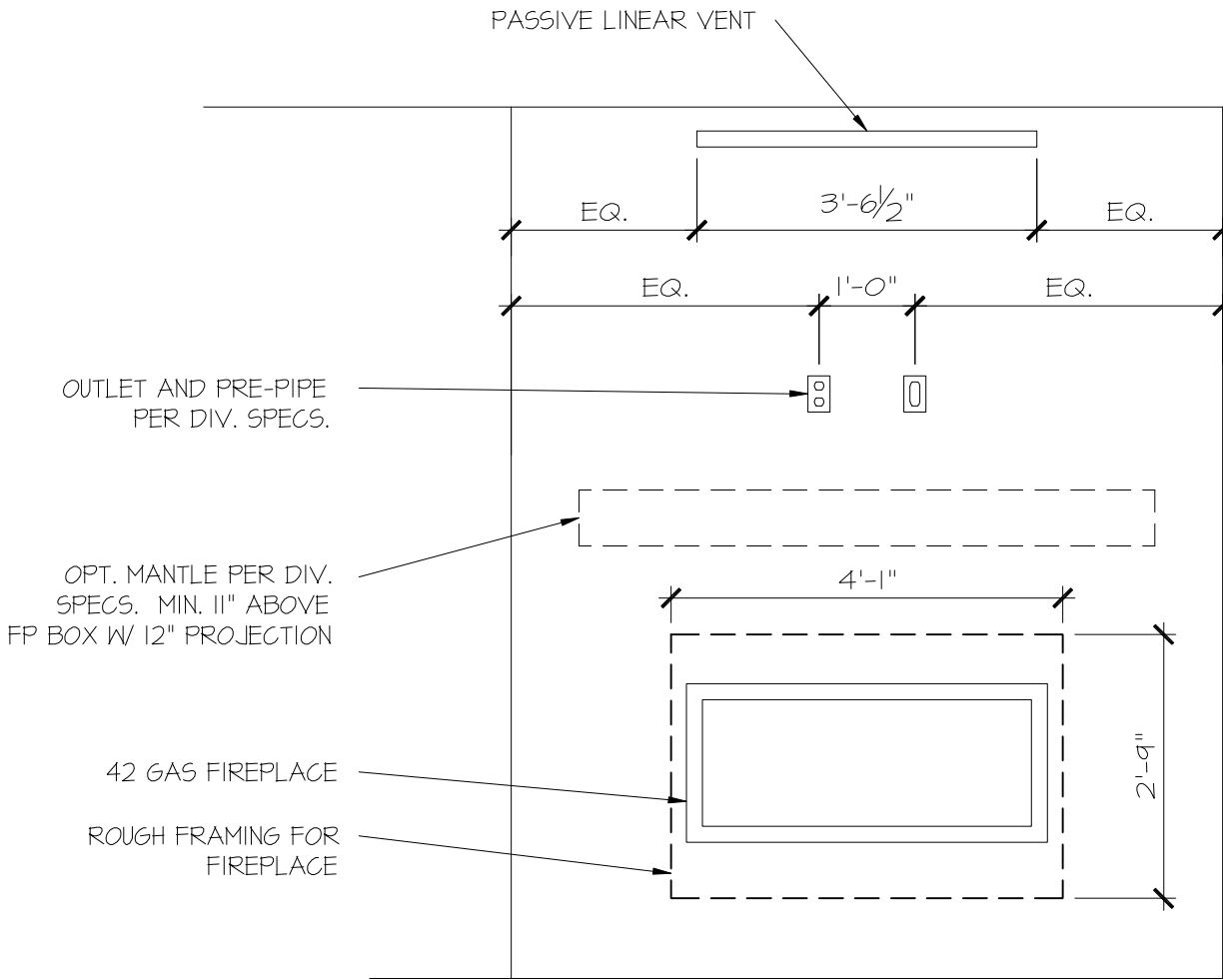
PARTIAL PLAN
NOVUS COSMO42

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



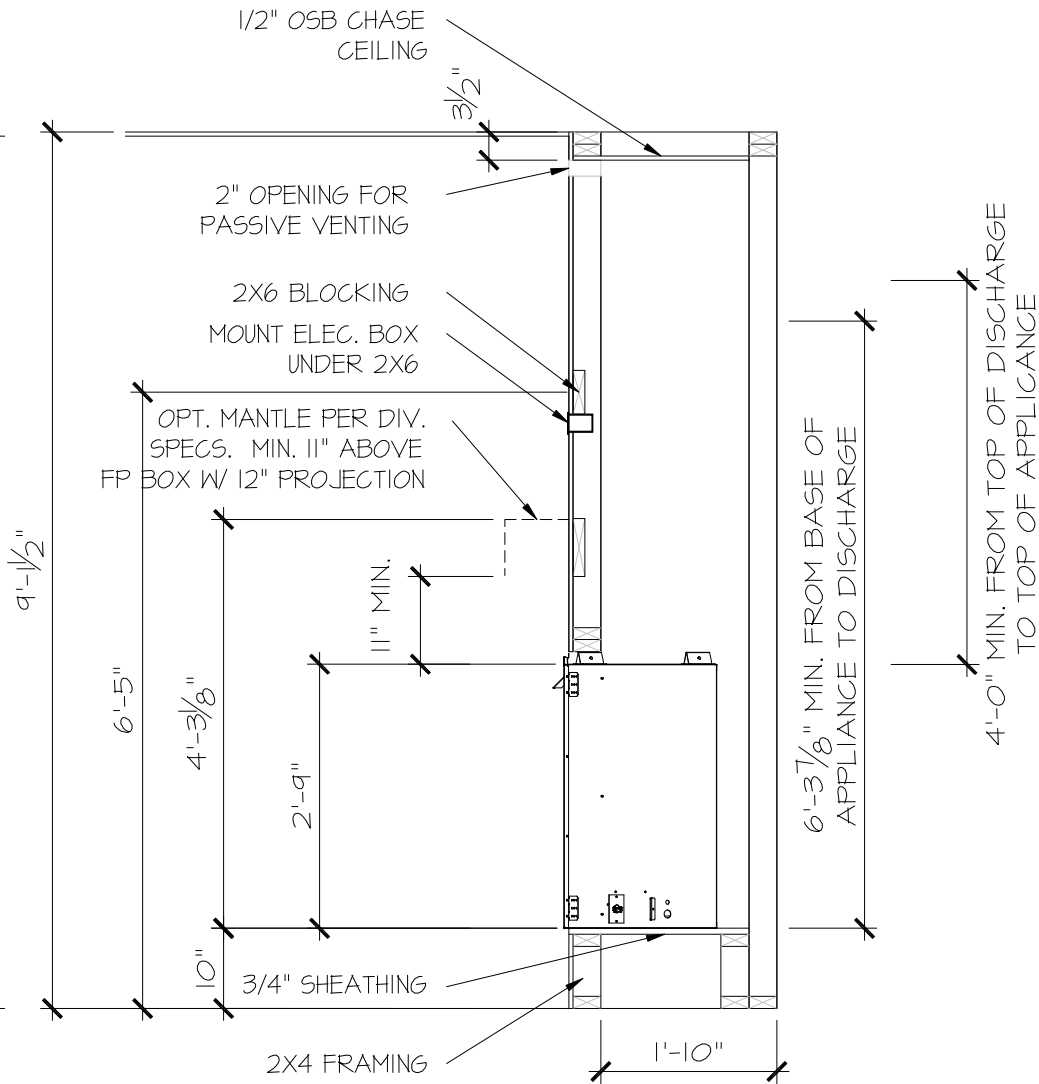
PARTIAL ELEVATION
NOVUS COSMO42

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



PARTIAL ELEVATION
NOVUS COSMO42

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



PARTIAL SECTION
NOVUS COSMO42

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

CONSULTANT LOGO

SEAL

DRAWN BY:
L. BEAVERS
DATE: 11-8-23
PLAN NO.
N/A
11 X 17 SCALE
24 X 36 SCALE

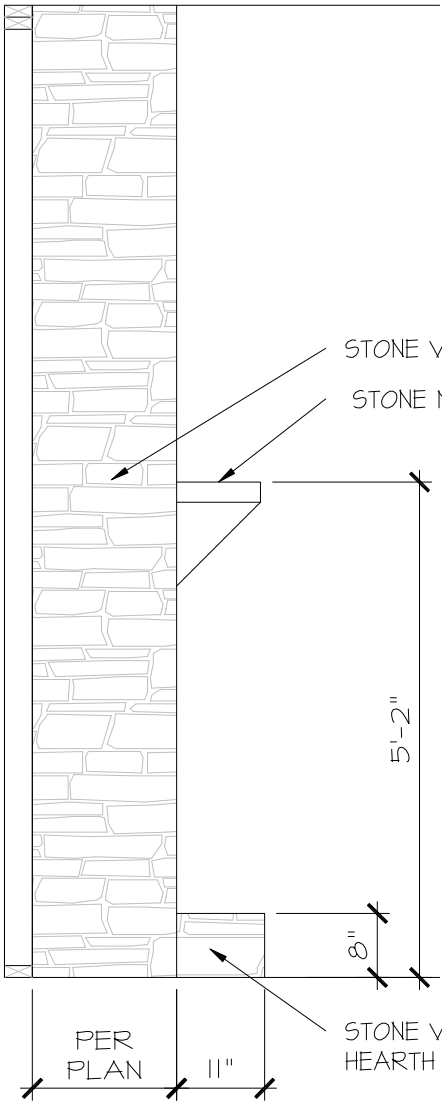
DRB
HOMES

HOUSE NAME:
RALE FIREPLACE DETAILS
DRAWING TITLE
**RALE FIREPLACE DETAIL
INTERIOR GAS UNITS**

SHEET No.

11
10
11

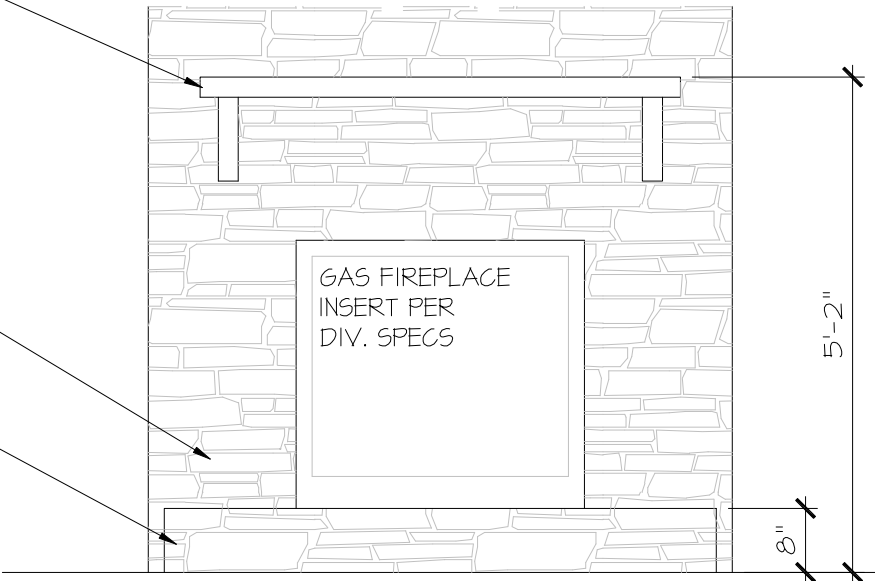
ALL DIMENSIONS
ARE TO FRAMING



PARTIAL ELEVATION
STONE FIREPLACE

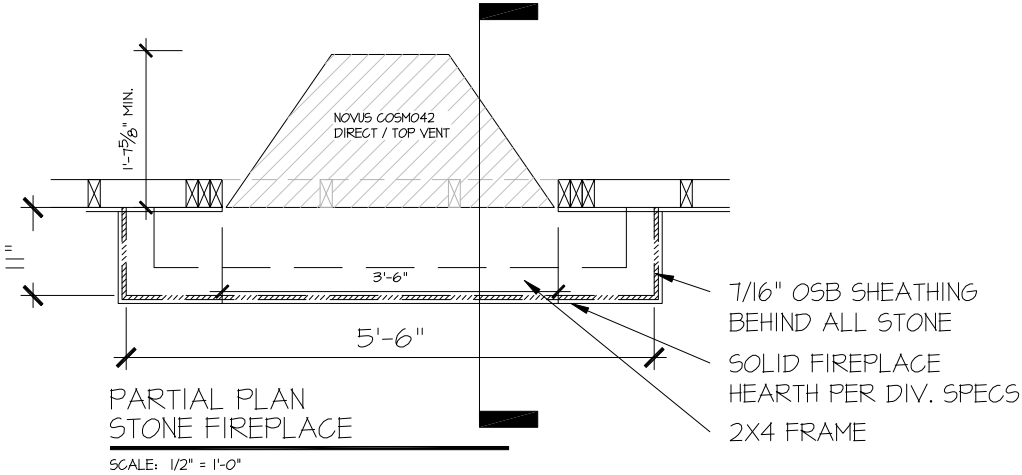
SCALE: 1/2" = 1'-0"

ALL DIMS ARE
TO FRAMING

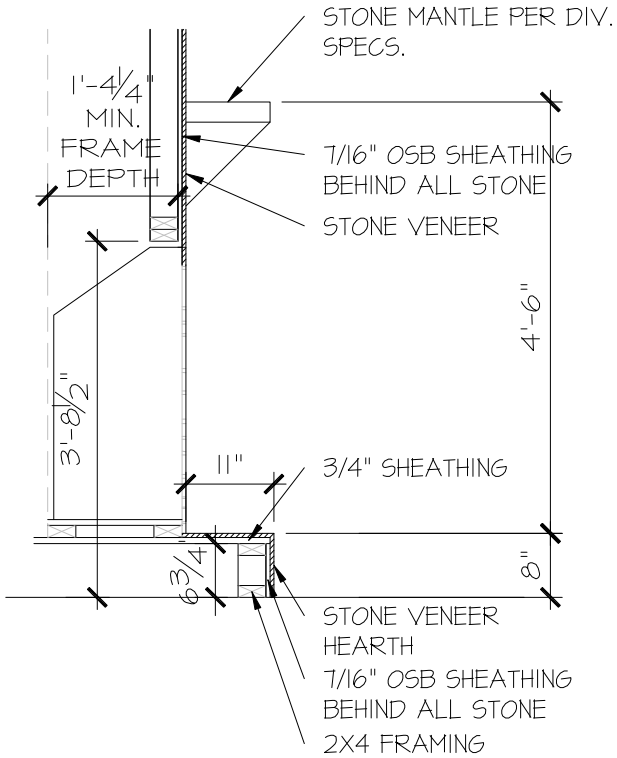


PARTIAL ELEVATION
STONE FIREPLACE

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



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



PARTIAL SECTION
STONE FIREPLACE

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

CONSULTANT LOGO

SEAL

DRAWN BY:
L. BEAVERS
DATE: 11-8-23
PLAN NO.
N/A
11 X 17 SCALE
24 X 36 SCALE

DRB
HOMES

HOUSE NAME:
RALE FIREPLACE DETAILS
DRAWING TITLE
RALE FIREPLACE DETAIL
STONE INTERIOR

SHEET No.

1101.2

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. SFF OR SYP, "STUD" GRADE OR BETTER. - CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UNO.: 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: 4' OR 10' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED. - NOMINAL WIDTH (4 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, UNO. - LARGER OPENINGS SHALL BE PER PLAN. - ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 1% 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 2x6 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.

GENERAL STRUCTURAL NOTES
- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE. - WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION. - DESIGN LOADS: ROOF DEAD = 7 PSF T.C., 10 PSF B.C. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25 FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAMN) 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. UNO. - EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR SYP "STUD" GRADE LUMBER, OR BETTER, UNO. - WALLS OVER 12' TALL SHALL BE PER PLAN. - ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SP) LUMBER, OR BETTER (KILN-DRIED). ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY. CODE TABLES HAVE NOT BEEN USED. - ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 16" O.C. (MAX., UNO.) - HEADERS IN NON-LOAD BEARING WALLS 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=1.55x10⁶ psi "LVL" - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi "PSL" - Fb=2400 PSI; Fv=240 PSI; E=2.0x10⁶ PSI - MK 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 MK 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"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSLOK 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" TRUSLOK 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 TRUSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE. - ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM. - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, UNO.. - ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN.), EACH PLY. - PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARINGS. BLOCKING TO MATCH POST ABOVE. - FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F. 1/8 (HILT) 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 BC62-2/4 CAP & ABW44Z BASE, UNO.

FLOOR FRAMING
1-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT MK FOR MARBLE FLOOR DESIGNS) - AT 1-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD. - METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, UNO. - FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED "STURD-I-FLOOR" 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND - 2 1/4" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES @ 12" o.c. FIELD. - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD. - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD. - #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.
ROOF FRAMING
- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C. - FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H25T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H25T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS. - METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, UNO. - ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI I-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES." - SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W/ 2x4 LEDGER FASTENED TO: - RIM BOARD W/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (1-JOISTS) - TRUSS VERTICALS W/ (3) 3"x0.131" NAILS @ 19.2" O.C. MAX. (FLOOR TRUSSES) - ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - W/ 2 1/2" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES @ 12" O.C. FIELD. - W/ 2 3/8" x 0.120" NAILS @ 4" o.c. @ PANEL EDGES @ 8" O.C. FIELD. - W/ 2 3/8" x 0.113" NAILS @ 3" o.c. @ PANEL EDGES @ 6" O.C. FIELD.

HOLD-DOWN SCHEDULE	
SYMBOL	SPECIFICATION
 HD-1	SIMPSON HTT4 HOLD-DOWN * (3/8" DIA. ANCHOR)
 HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UNO.) -OR- MSTC66B3 ALTERNATE
 HD-3	SIMPSON 5THD14/5THD14RJ

* UTILIZE THE SSB24 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 1/8" DIA.) MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. INSTRUCTIONS. MINIMUM 16" FOOTING THICKNESS REQ'D. DO NOT LOCATE ANCHORS WITHIN 3" OF FACE OF CONCRETE.

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

NON-BEARING HEADER SCHEDULE		
SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6
UP TO 12'-0"	(2)2x8	(3)2x8
<u>NOTES:</u>		
• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 24" O.C. (MAX.)		

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS
THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NC5BC: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 R301.3 OF THE 2018 NC5BC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. 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 NC5BC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5& R802.11.
EXT. WALL SHEATHING SPECIFICATION 7/16" OSB OR 15/32" PLYWOOD: - FASTEN SHEATHING W/ 2 3/8"x0.113" NAILS @ 6" O.C. AT EDGES & 12" O.C. IN THE PANEL FIELD. TYP. UNO. - HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED. - ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS. - ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (1/8" CROWN) @ 3" O.C. AT EDGES @ 6" O.C. IN FIELD.
BLOCKED PANEL EDGES AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/8" CROWN) @ 3" O.C. AT EDGES @ 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.
3" O.C. EDGE NAILING AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.
NOTES - SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN. - DESIGN ASSUMES 16" O.C. MAX. STUD SPACINGS, UNO. - ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING. - PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY) - INDICATES EXTENT OF INT. OSSB SHEARWALL OR 3" O.C. OSB SHEARWALL - INDICATES HOLD-DOWN BELOW

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x16" - D	3/2"x16" - D	N/A	(2)2x12 + (1) 3/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
002	(2)3/4"x11/8" - D	3/2"x11/8" - D	(3)3/4"x11/8" - D	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
003	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
005	(3)3/4"x18" - FT	3/4"x18" - FT	N/A	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - F	W12x26 - F
006	(3)3/4"x18" - FT	3/4"x18" - FT	N/A	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - F	W12x26 - F
007	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x4" - D	3/2"x4" - D	(2)3/4"x4" - D	(2)2x10 + (1) 1/4"x4" STEEL FLITCH PLATES - D	W10x12 - D
010	(2)3/4"x16" - H	3/2"x16" - H	(3)3/4"x16" - H	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - H	N/A
011	(2)3/4"x11/8" - D	3/2"x11/8" - D	(3)3/4"x11/8" - D	(2)2x12 + (1) 3/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
012	(3)3/4"x16" - D	3/4"x16" - D	(4)3/4"x16" - D	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - D	W12x19 - D
013	(2)3/4"x11/8" - D	3/2"x11/8" - D	(3)3/4"x11/8" - D	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
014	(2)3/4"x16" - D	3/2"x16" - D	(3)3/4"x16" - D	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
015***	(3)3/4"x11/8" - D	N/A	(3)3/4"x11/8" - D	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - D	W12x14 - D
016	(2)3/4"x11/8" - F	3/2"x11/8" - F	(3)3/4"x11/8" - F	(2)2x12 + (1) 3/4"x11/8" 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					

ADDITIONAL NOTES FOR TRUSS & 1-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, & 1-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)

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

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"x3/8"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3"x3/8"
	16 FT. MAX	L6"x3"x3/8"
9'-6"	12 FT. MAX	L6"x3"x3/8"
16'-0"	2 FT. MAX	L7"x4"x1/2" **
	3 FT. MAX	L8"x4"x1/2" **

ALL LINTELS:

- SHALL SUPPORT 2 3/4" - 3 1/2" VENEER w/ 40 psf MAXIMUM HEIGHT.
- < 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 MOOD 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 1/2" 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 3/2" (MINIMUM) CLEAR DISTANCE FROM BOTTOM OF BEAM.
- FOR QUEEN VENEER USE L4x3/4".
- ** FOR 3/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.

seal: 4/24/25

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N.C. LIC. #C-3825

M&K project number:	126-23047
project mgr:	JTR
drawn by:	KJN
issue date:	04-11-25

REVISIONS:	
date:	initial:
2025-04-23	KFG
REVISED F.P.	

STRUCTURAL NOTES

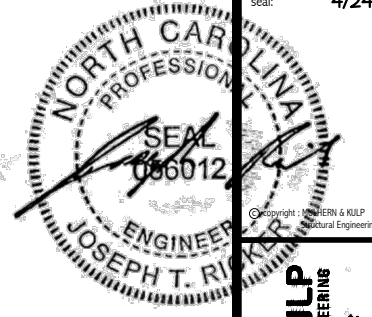
HONEYCUTT HILLS

LOT 48 - STONEFIELD 7

RALEIGH, NC

sheet:

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NC LIC. #C-3825



project number:
126-23047

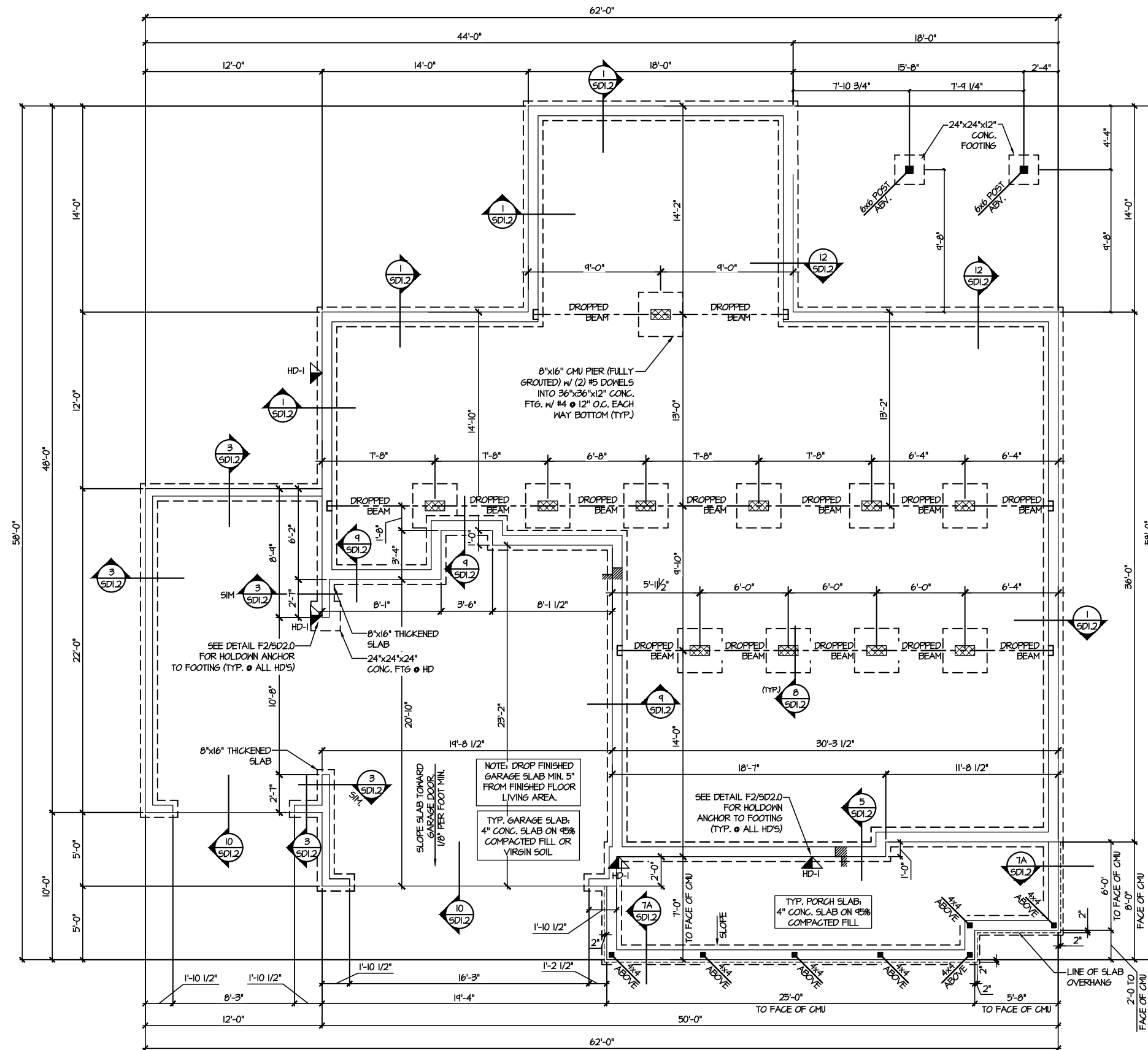
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n by: KJN
date: 04-11-25

initial:
KFG



HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

S1.0



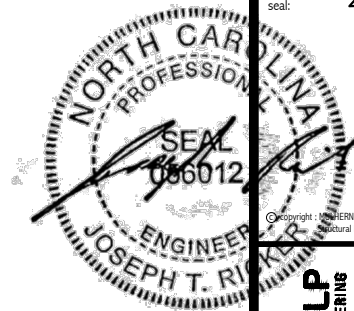
1 CRAWLSPACE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

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

LEGEND

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

REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



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126-23047

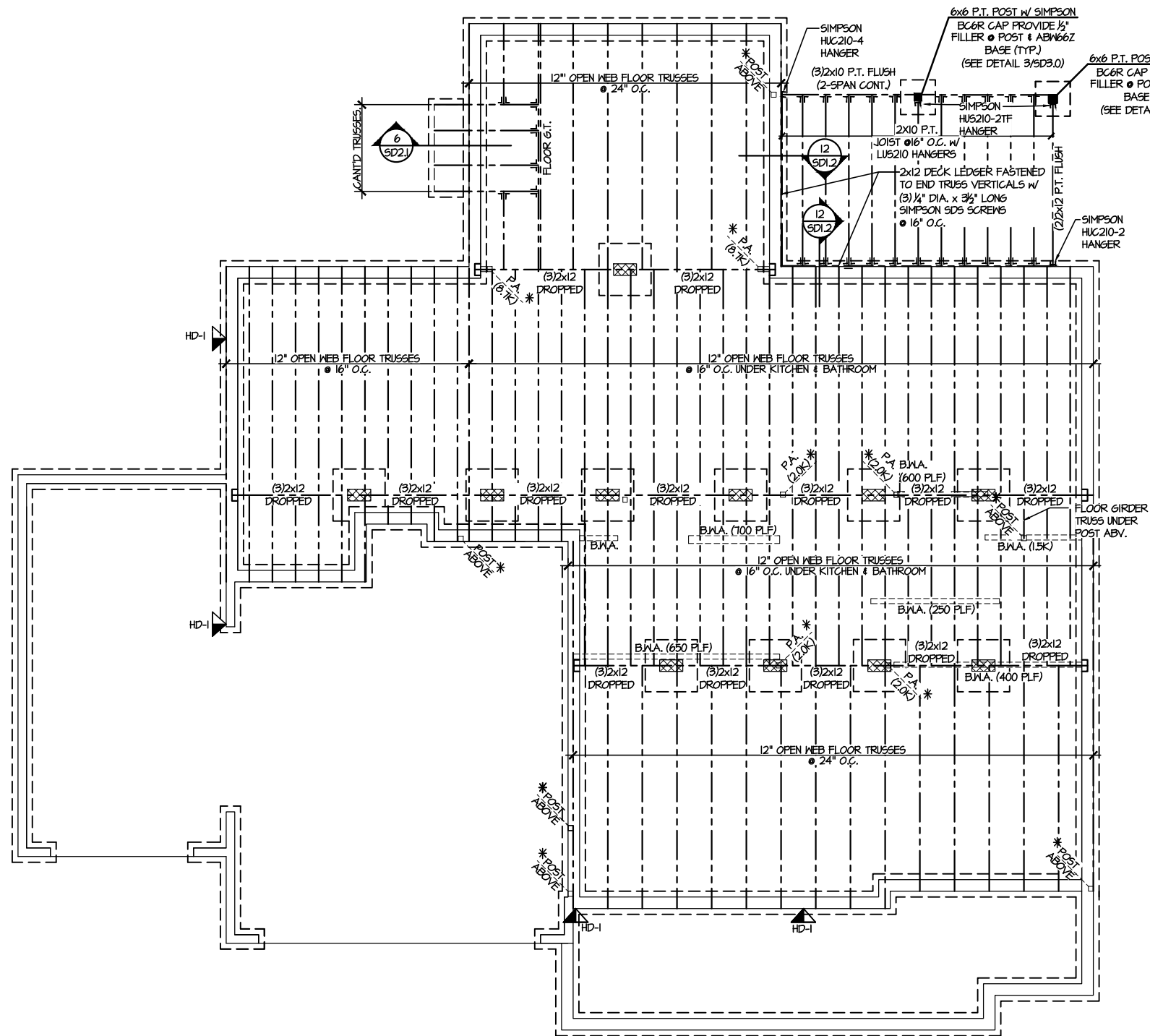
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drawn by: KJN
issue date: 04-11-25

REVISIONS:
date: initial:
2025-04-23
REVISED F.P. KFG

DRB
HOMES

FLOOR FRAMING PLANS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:
S2.0

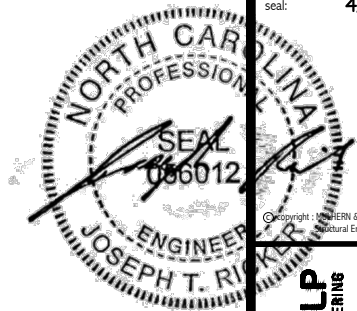


1ST FLOOR FRAMING PLAN (CRAWLSPACE)
SCALE: 1/8"=1'-0"

LEGEND

- [Pattern] INTERIOR BEARING WALL
- [Pattern] BEARING WALL ABOVE
- [Pattern] BEAM / HEADER
- [Pattern] INDICATES SHEAR WALL & EXTENT
- [Pattern] 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



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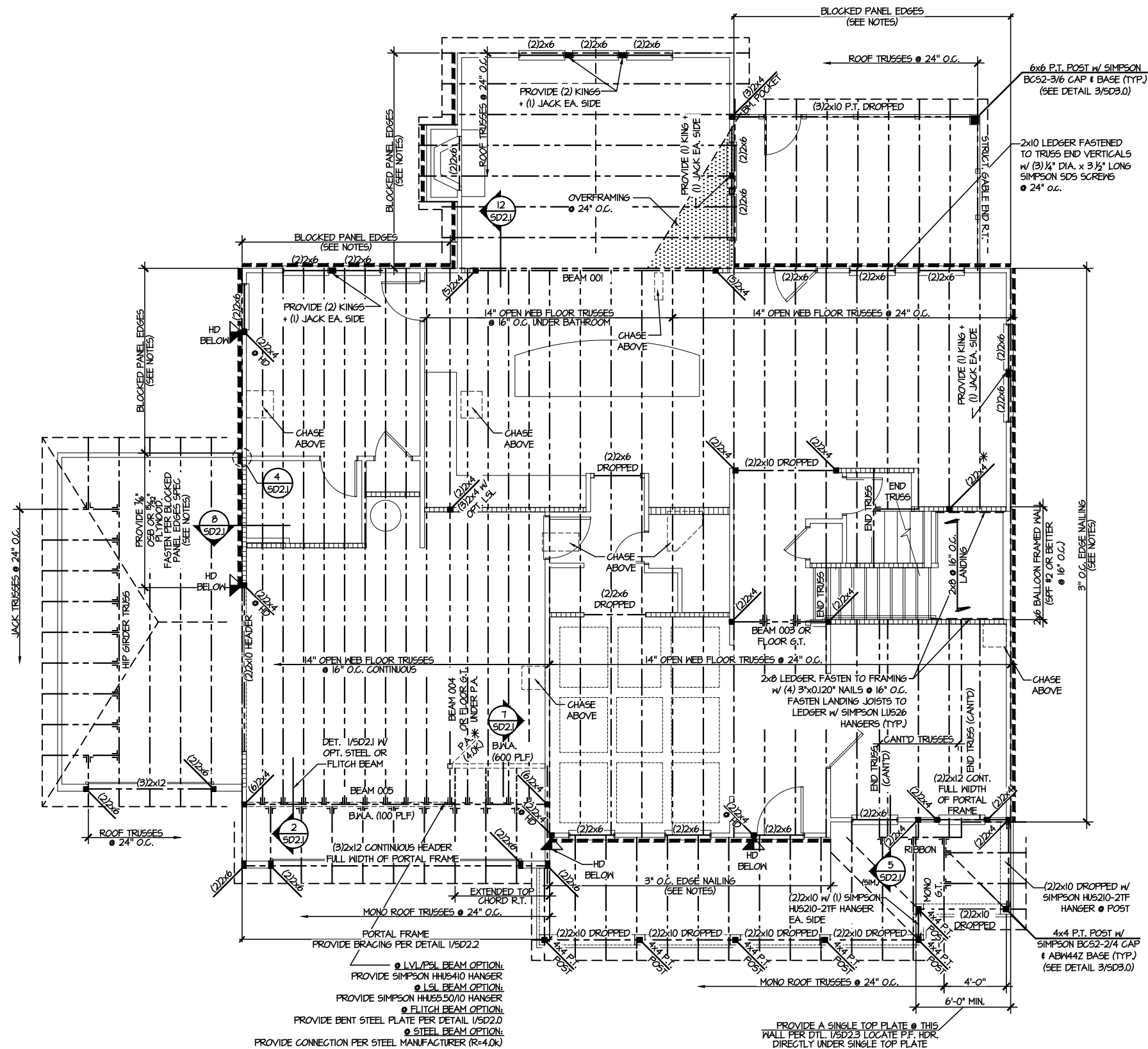
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issue date: 04-11-25

REVISIONS:
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REVISED F.P.

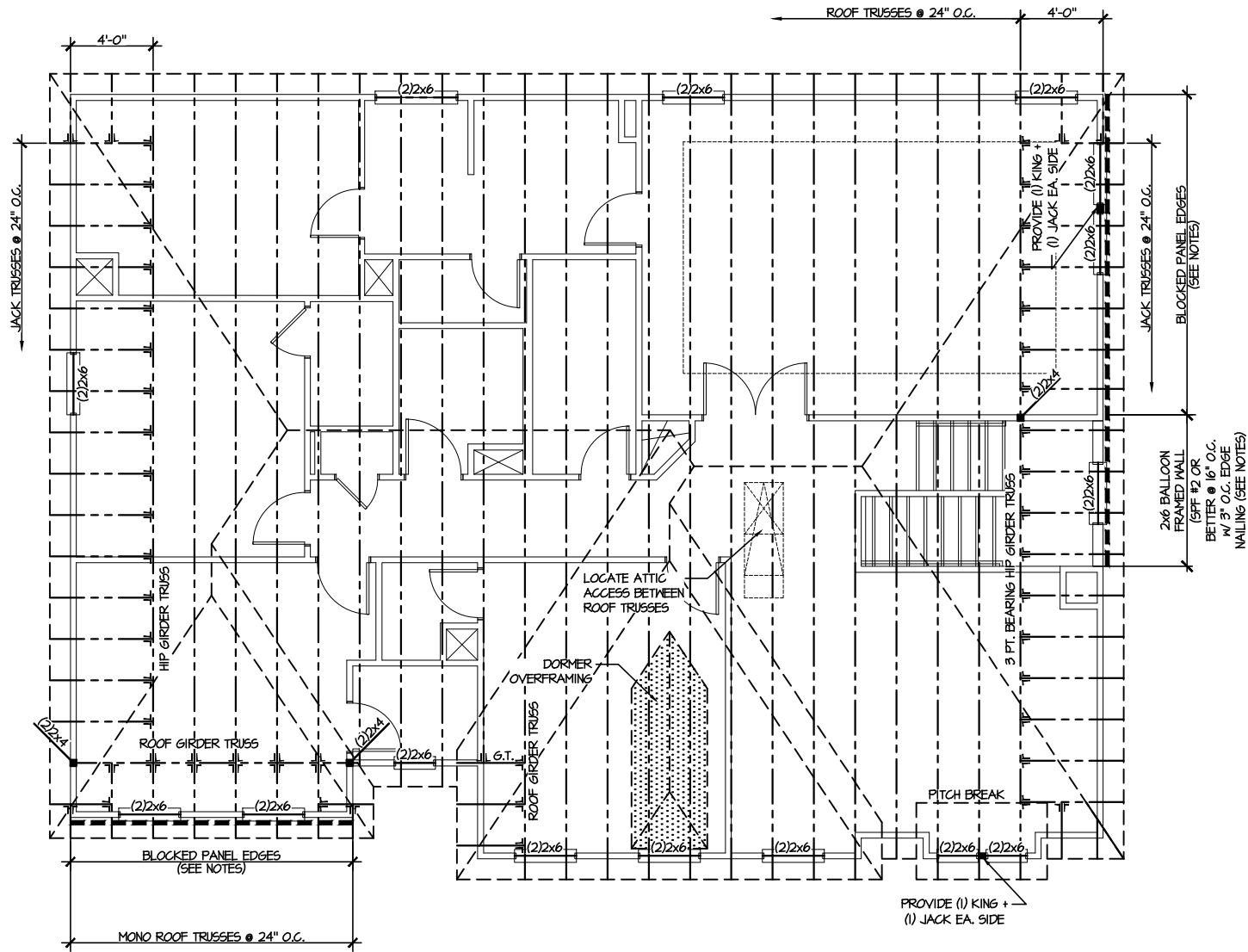
DRB
HOMES

FLOOR FRAMING PLANS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

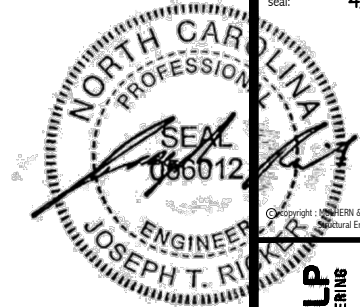
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S3.0

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



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



4/24/25

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RESIDENTIAL STRUCTURAL ENGINEERING
300 Riverside Ave., Building 4 - Asheville, PA 18082
P 715-596-0351 • mulhern+kulp.com
NC LIC. #C-3825

M&K project number:
126-23047
project mgr: JTR
drawn by: KJN
issue date: 04-11-25

REVISIONS:
date: 2025-04-23 initial: KFG
REVISED F.P.

DRB
HOMES

ROOF FRAMING PLANS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

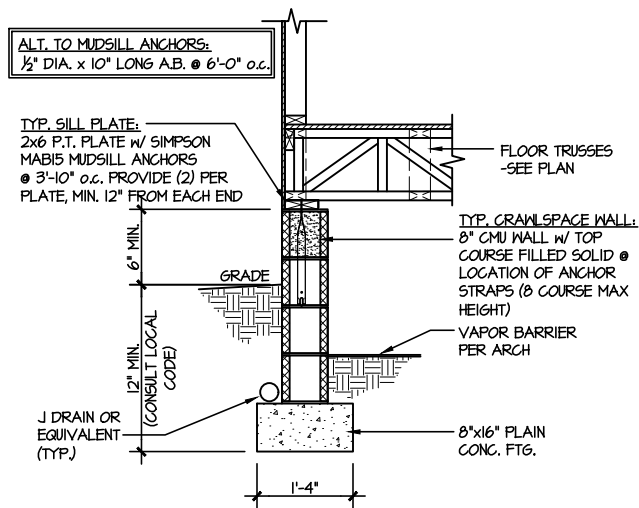
sheet:

S4.0

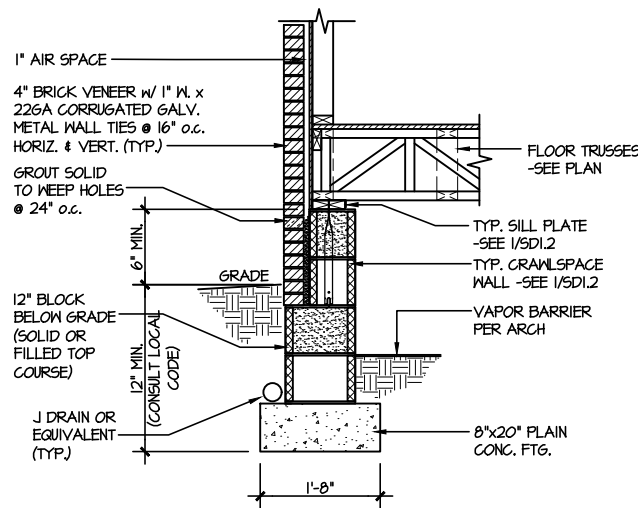
LEGEND

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

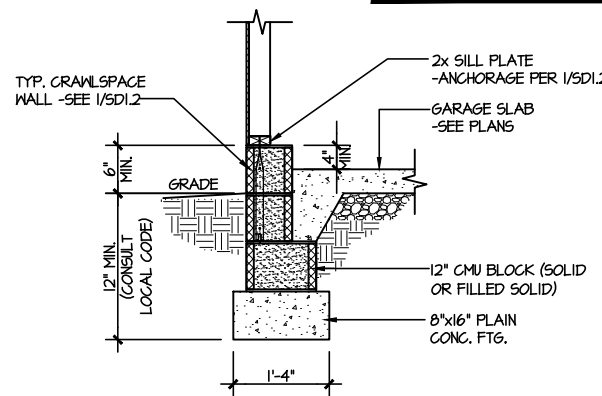
REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



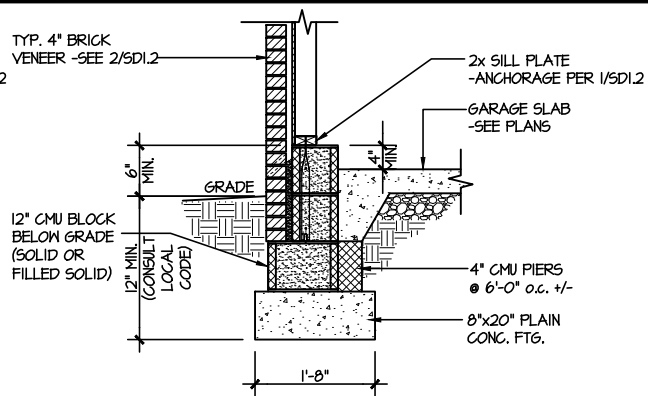
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"



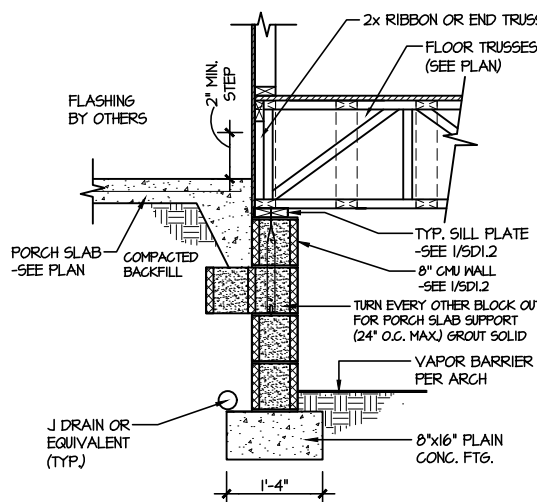
2 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" w/ BRICK VENEER



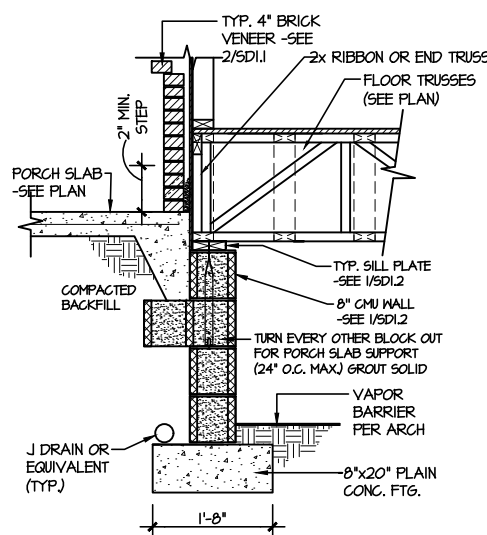
3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0"



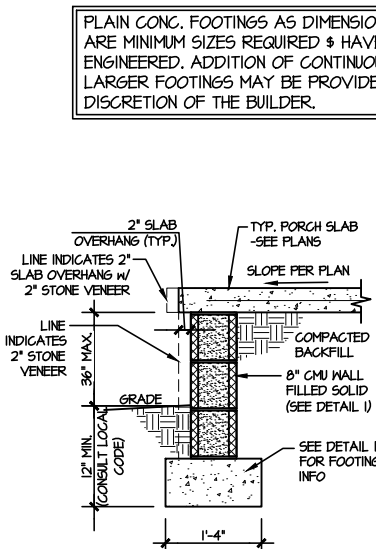
4 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0" w/ BRICK VENEER



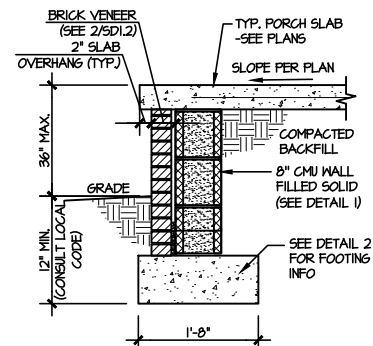
5 TYPICAL CRAWLSPACE FOUNDATION
@ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



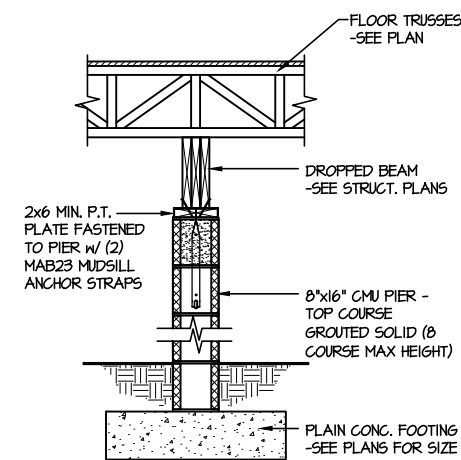
6 TYPICAL CRAWLSPACE FOUNDATION
@ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



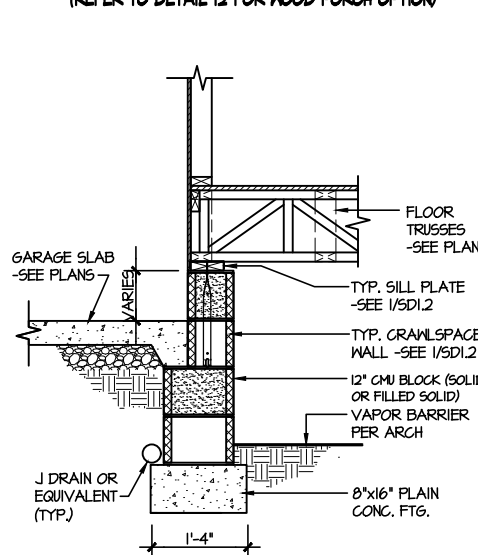
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



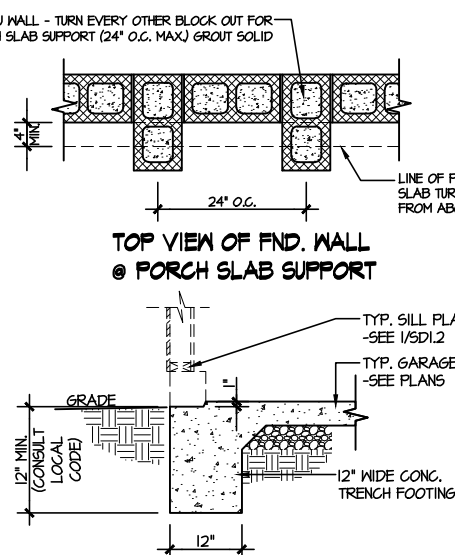
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



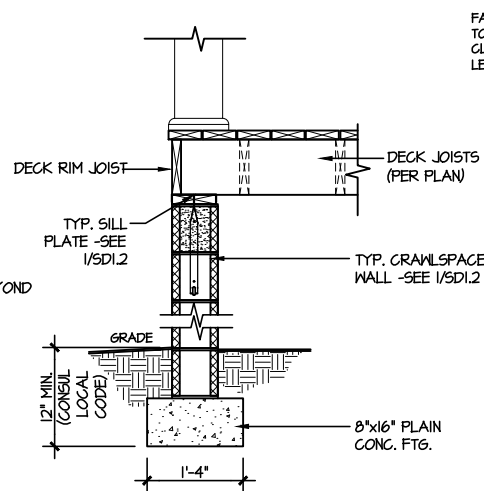
8 TYPICAL CRAWLSPACE FND.
@ INTERIOR PIER
SCALE: 3/8"=1'-0"



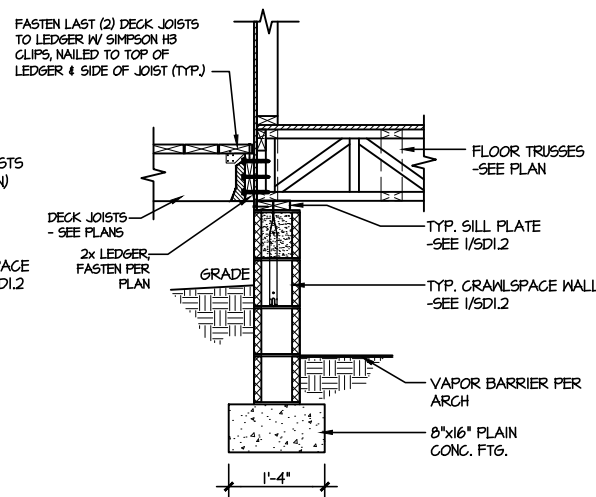
9 TYPICAL CRAWLSPACE FOUNDATION
@ GARAGE
SCALE: 3/8"=1'-0"



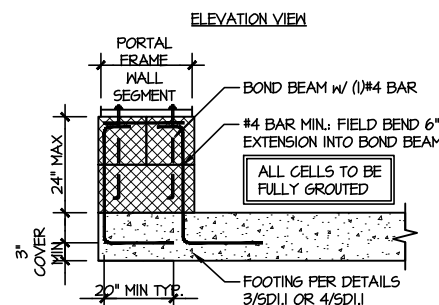
10 TYPICAL SLAB ON GRADE GARAGE
ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



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



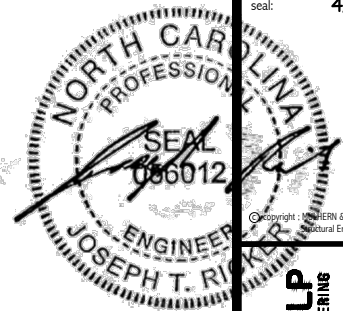
12 TYPICAL CRAWLSPACE FOUNDATION
@ WOOD PORCH/DECK
SCALE: 3/8"=1'-0"



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

LETTERED DETAILS ARE TYPICAL FOR
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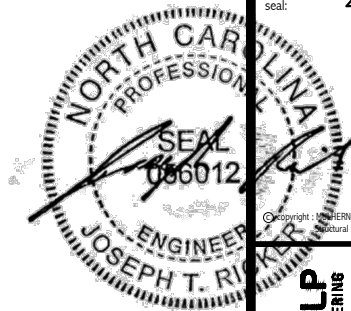
REVISIONS:

date: initial:
2025-04-23 KFG
REVISED F.P.

DRB HOMES

FOUNDATION DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:
SD1.2



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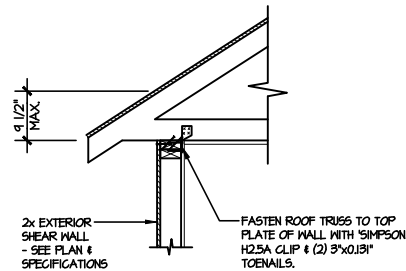
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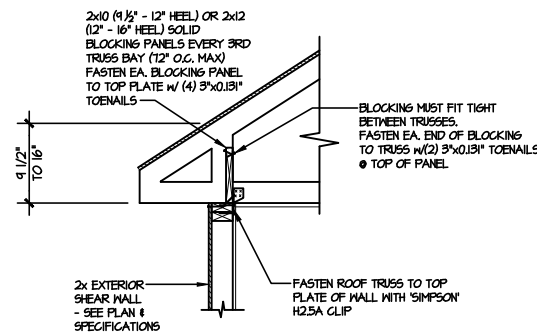
FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:

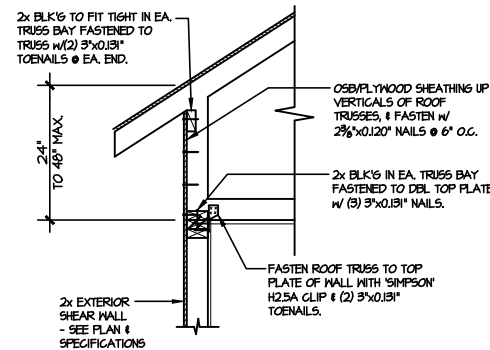
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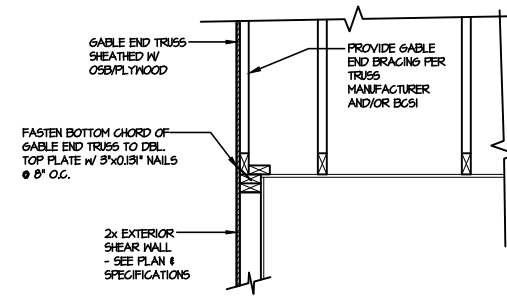
**AI TYPICAL SHEAR
TRANSFER DETAIL @ ROOF**
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 1 1/2"
NO BLOCKING REQ'D



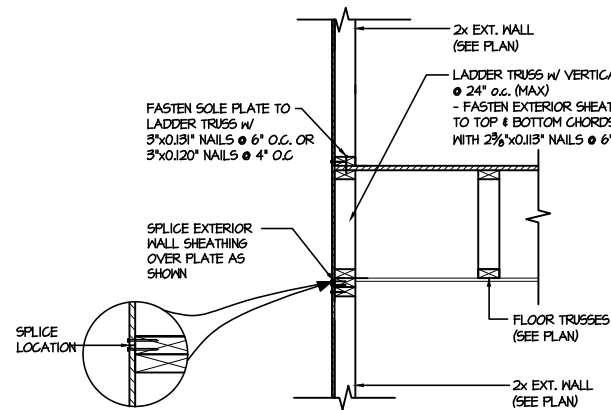
**A2 TYPICAL SHEAR
TRANSFER DETAIL @ ROOF**
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 1 1/2" - 16"
BLOCKING REQ'D



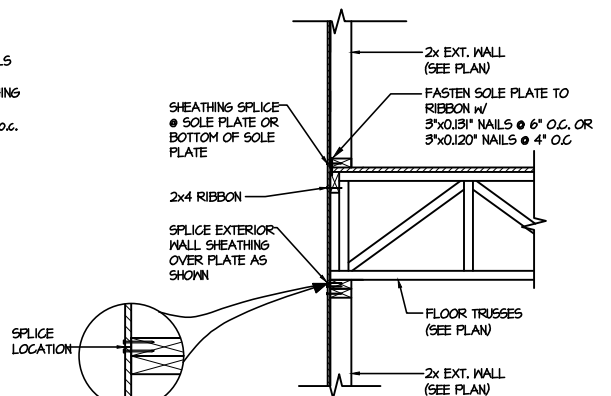
**A3 TYPICAL SHEAR TRANSFER
DETAIL @ RAISED HEEL TRUSS**
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX



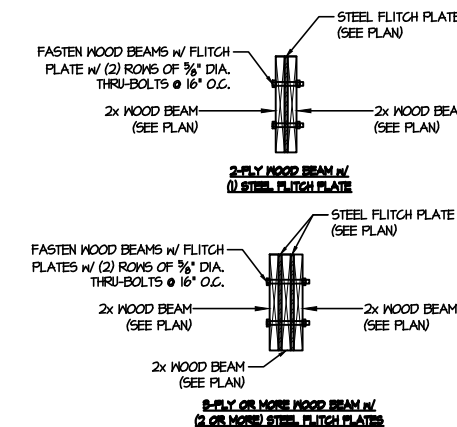
B TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



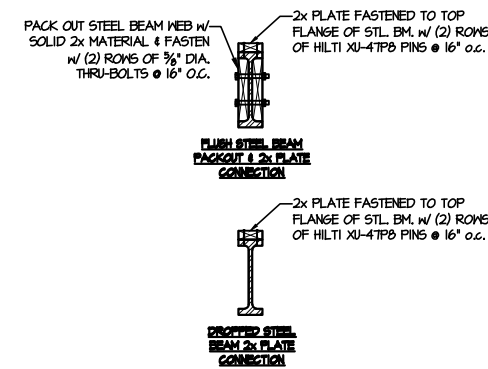
**C1 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ EXTERIOR WALL**
SCALE: 3/8"=1'-0"
PARALLEL FRMS



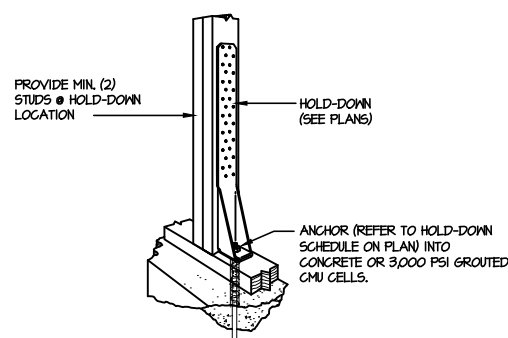
**C2 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ EXTERIOR WALL**
SCALE: 3/8"=1'-0"
PERPENDICULAR FRMS



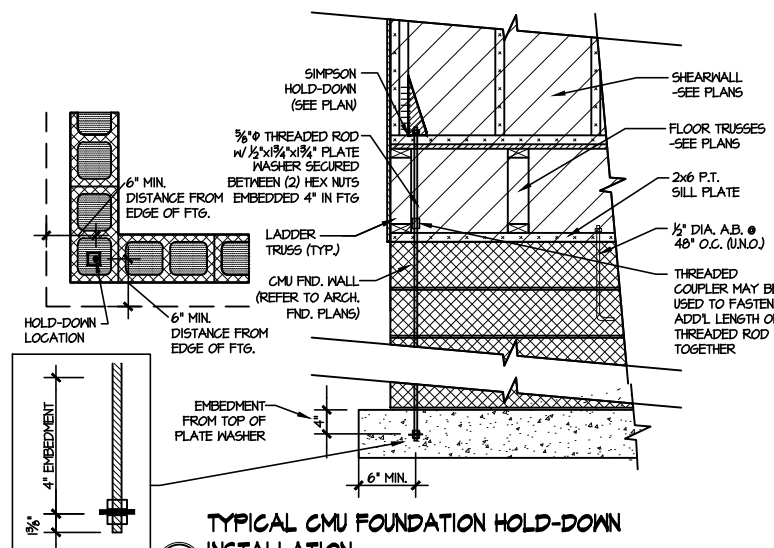
D TYPICAL FITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



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



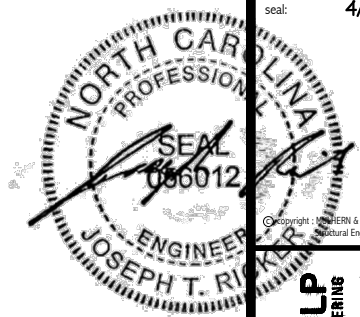
F1 TYPICAL HOLD DOWN INSTALLATION
SCALE: N.T.S.



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

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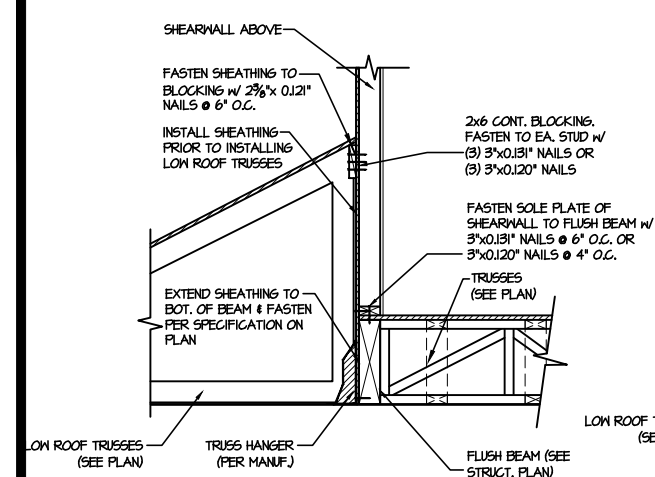
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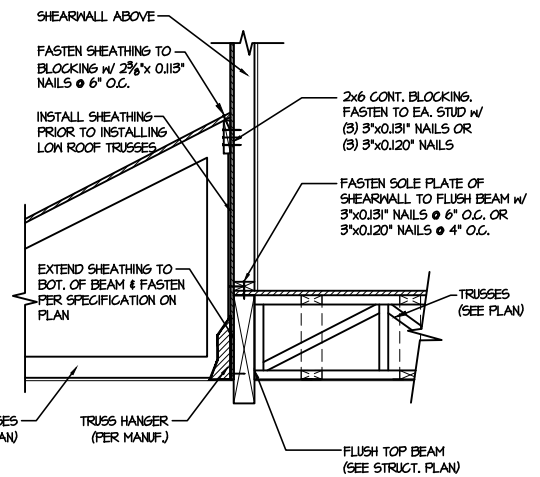
DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

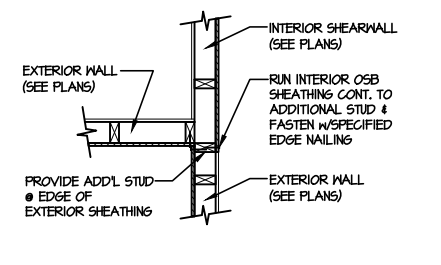
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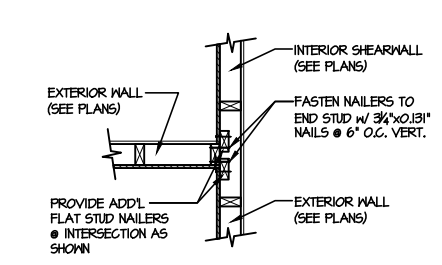
1 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



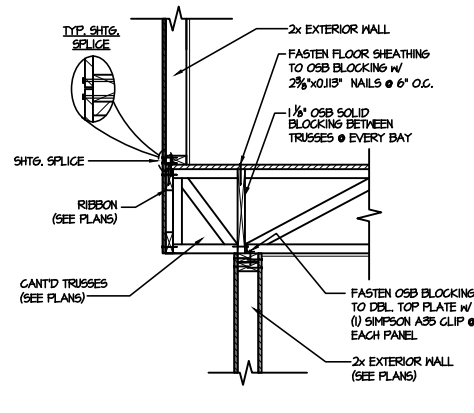
2 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



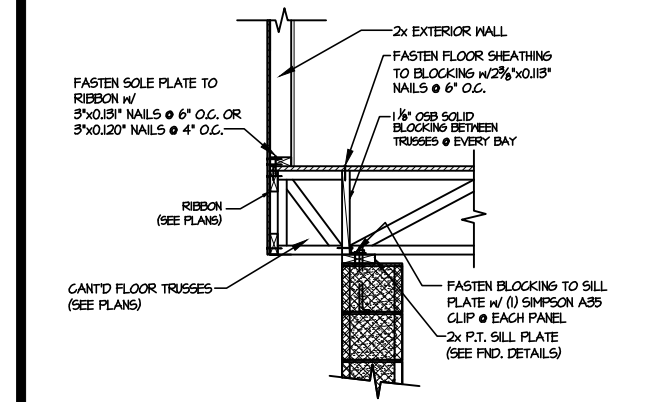
3 SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. OPPOSITE PAGES



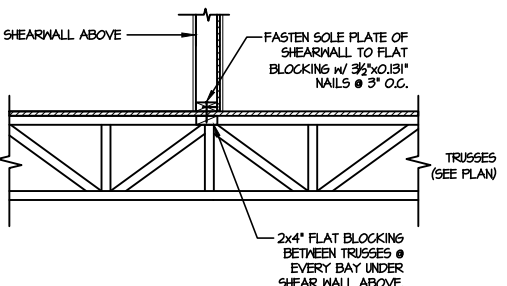
4 SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



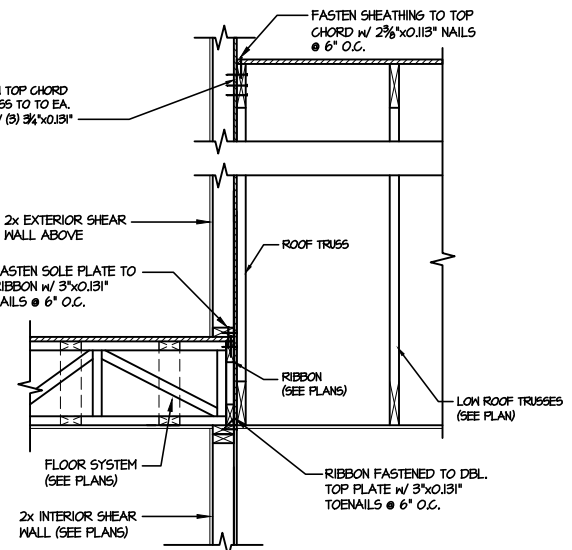
5 SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



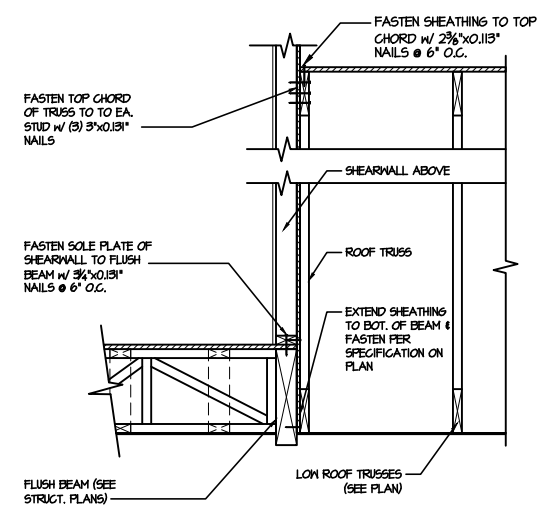
6 SHEAR TRANSFER DETAIL @
CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



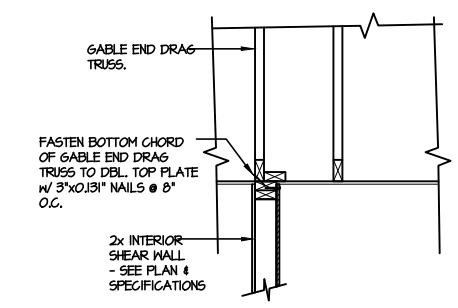
7 SHEAR TRANSFER DETAIL @
INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



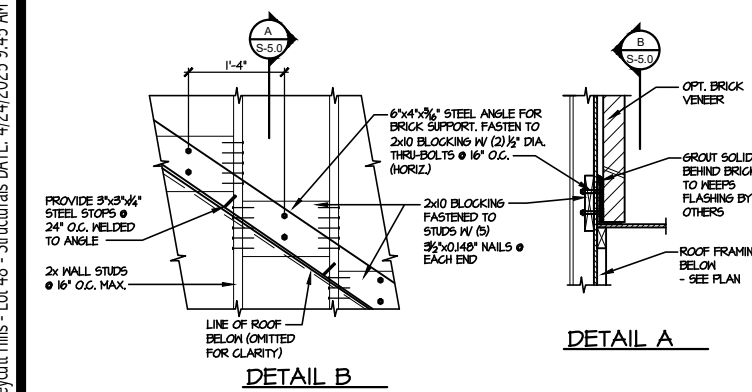
8 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



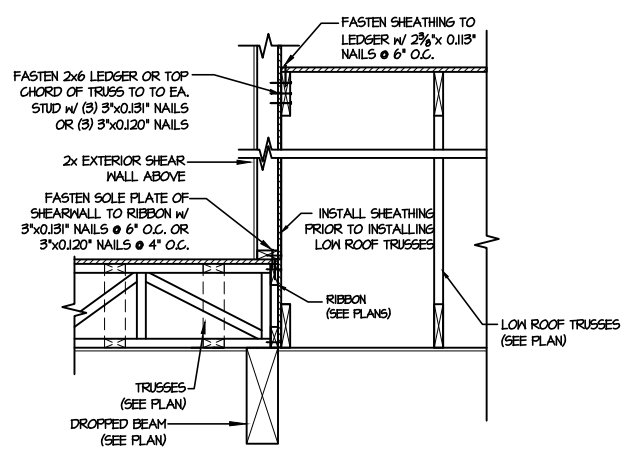
9 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



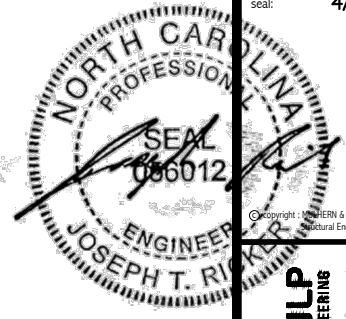
10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



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"



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INC LIC. #C-3825

M&K project number: 126-23047

project mgr: JTR

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issue date: 04-11-25

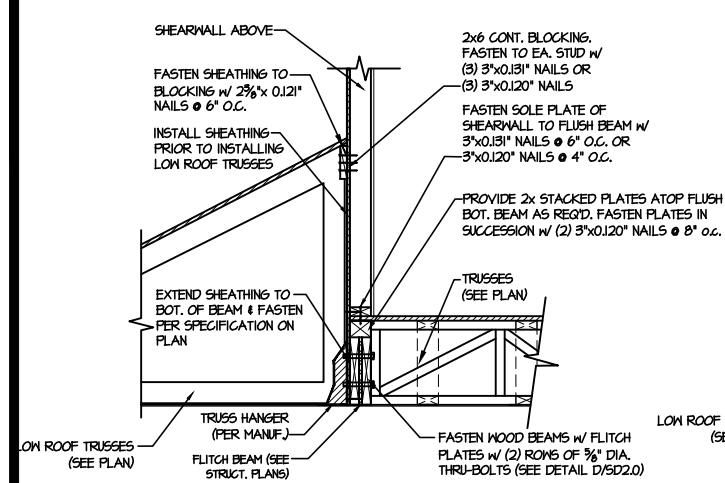
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date:	initial:
2025-04-23	
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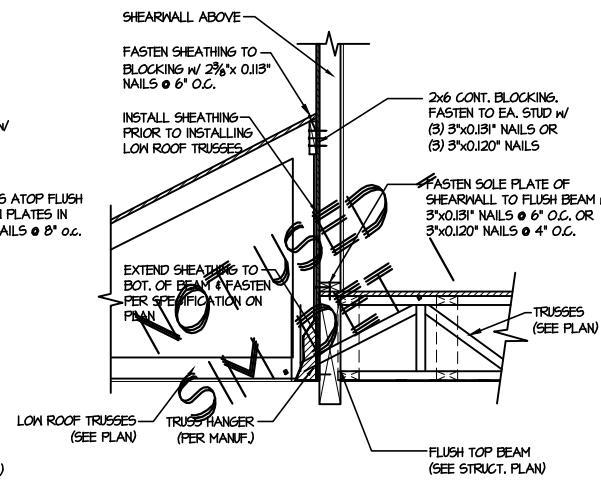
FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:

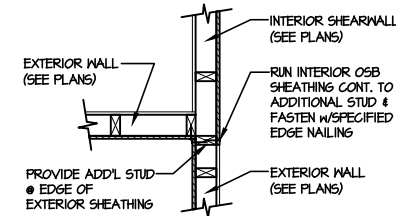
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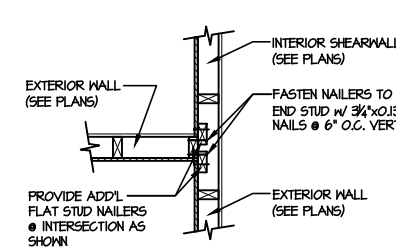
**SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



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

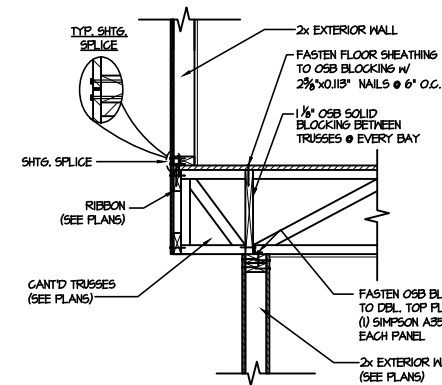


3 SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES

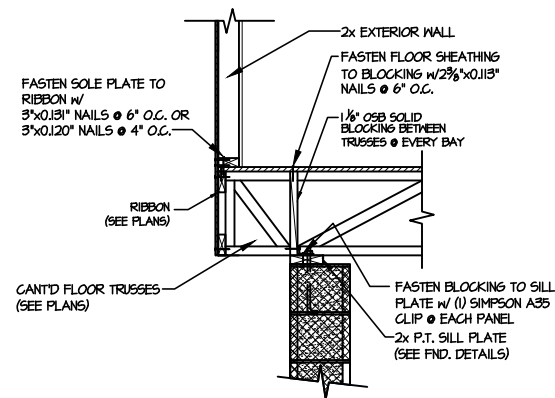


**SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL**

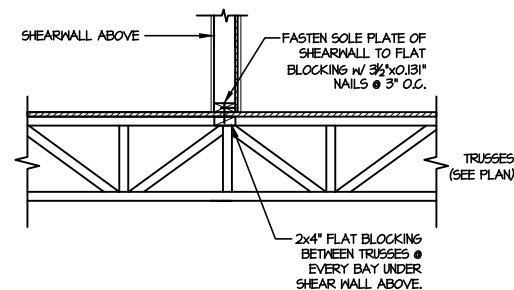
4 SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



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

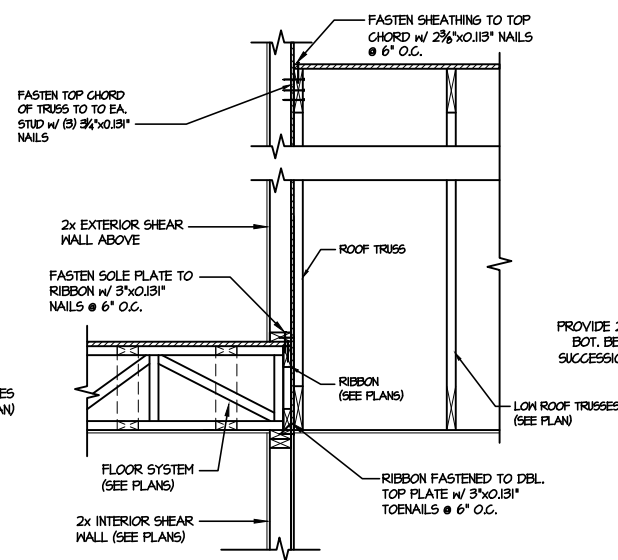


SHEAR TRANSFER DETAIL @
CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"

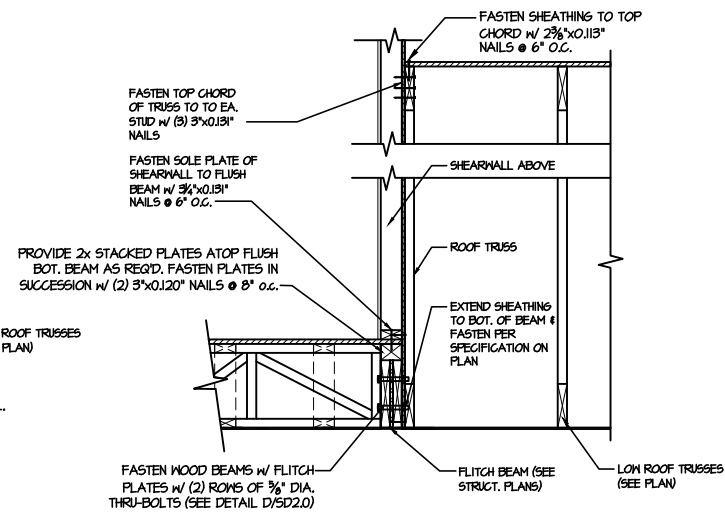


**SHEAR TRANSFER DETAIL @
INTERIOR SHEARWALL ABOVE**

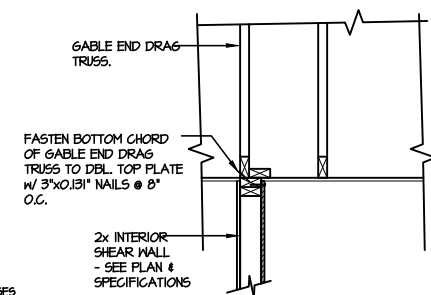
7 SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



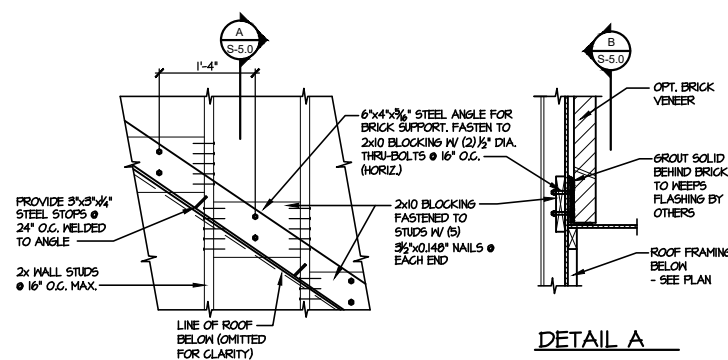
8 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



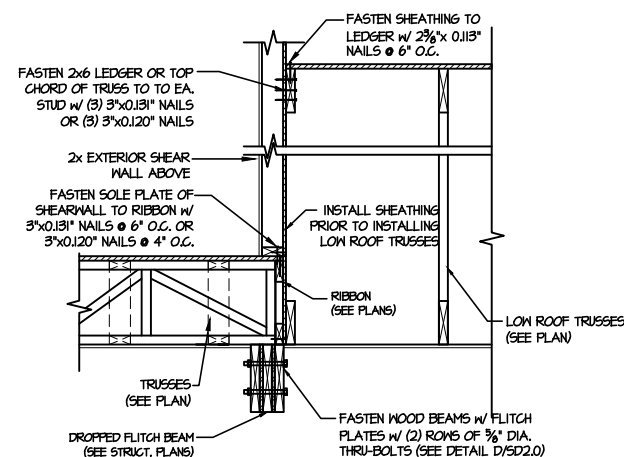
**SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



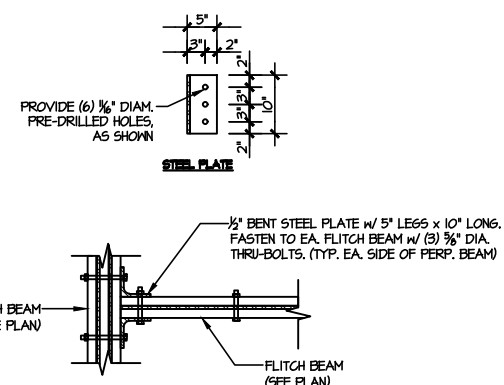
10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



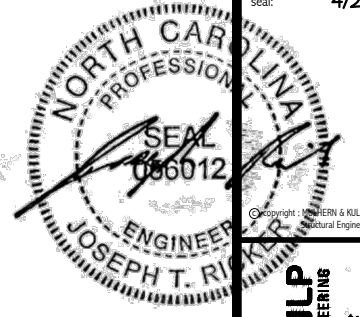
DETAIL SUPPORT OF BRICK VENEER
SCALE: 3/4"=1'-0"



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"



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n by: KJN
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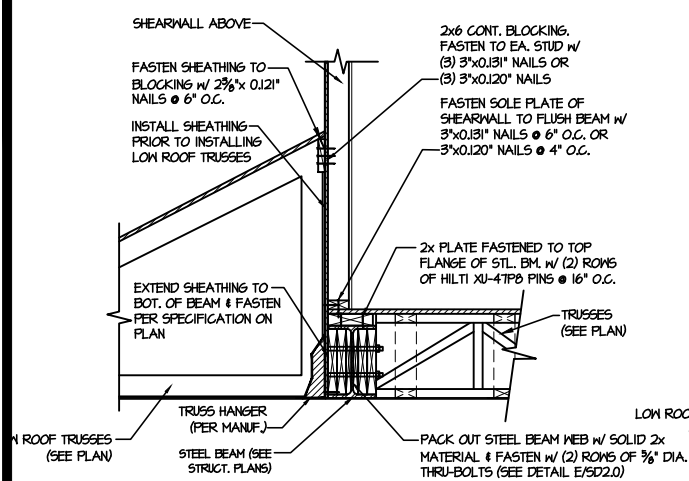
initial:
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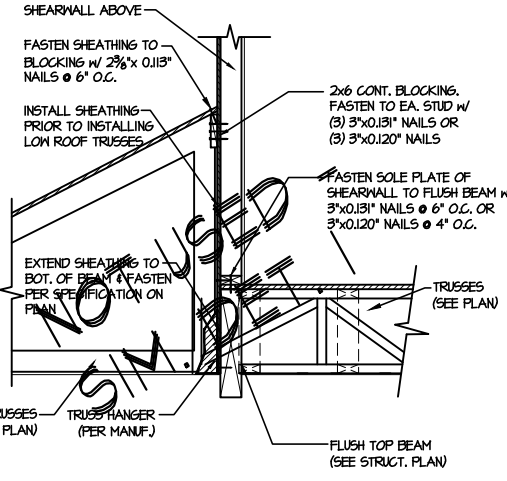
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

100

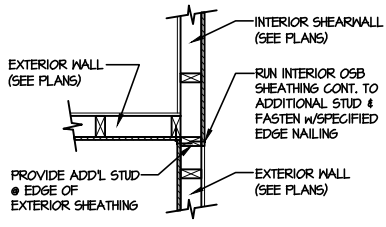
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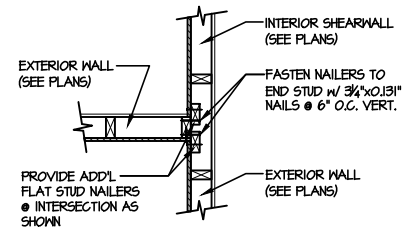
**SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



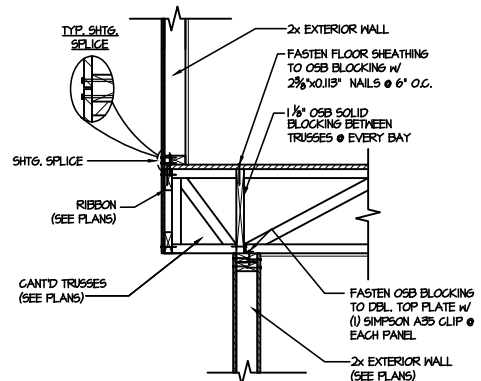
**SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



**SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL**

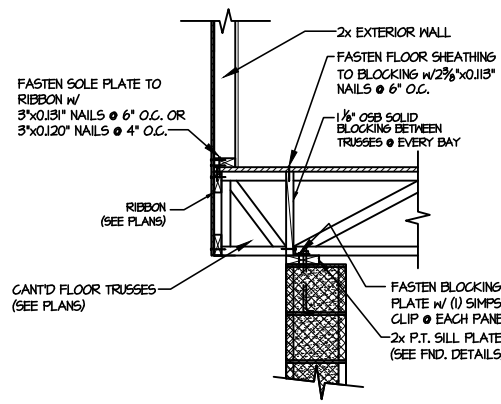


**SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL**

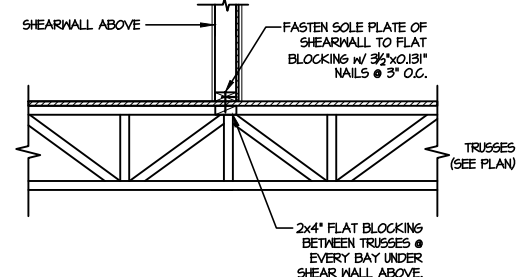


**SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL**

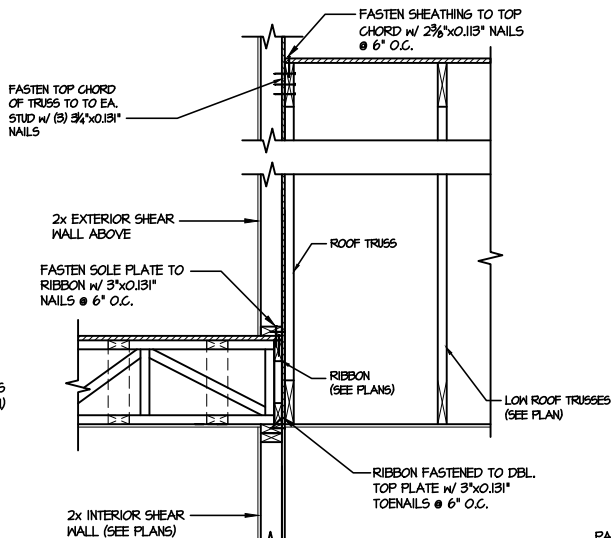
SCALE: 3/4"=1'-0" **PERPENDICULAR FRAMING**



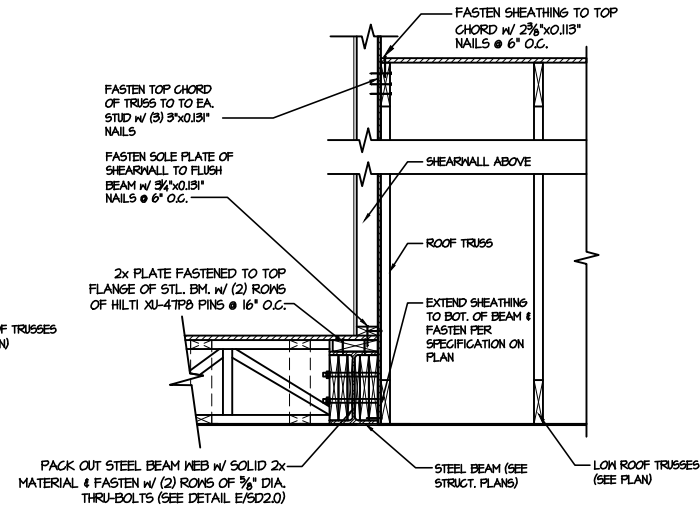
**SHEAR TRANSFER DETAIL @
CANT'D EXTERIOR WALL**
SCALE 3/4"=1'-0"



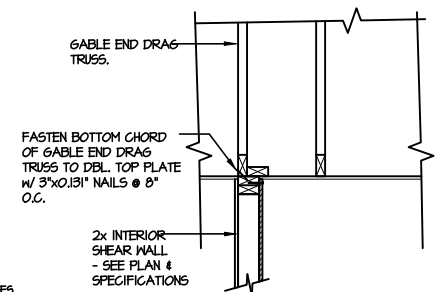
**SHEAR TRANSFER DETAIL @
INTERIOR SHEARWALL ABOVE**
SCALE 3/4"=1'-0" **FERRIS**



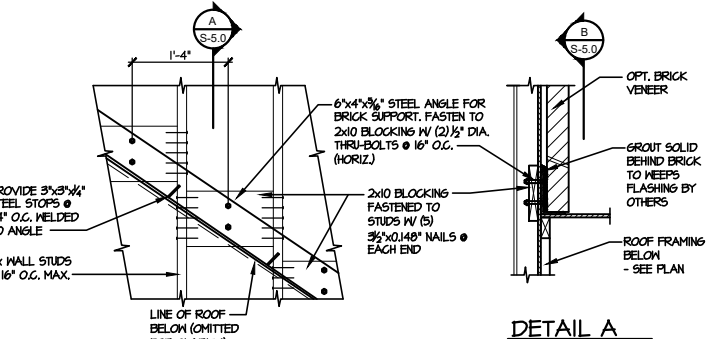
**TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



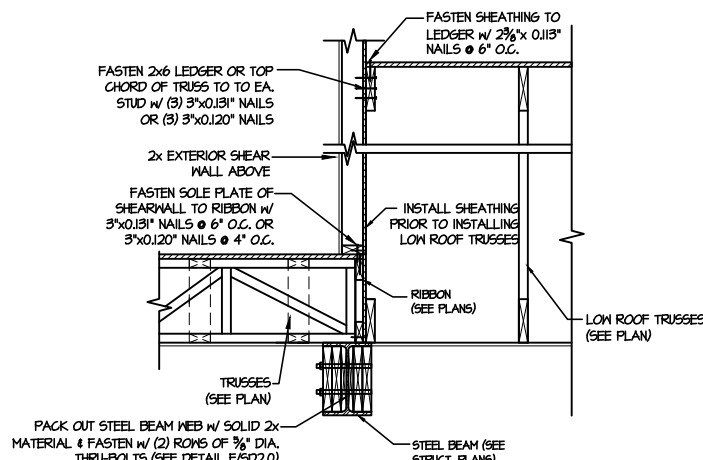
**SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



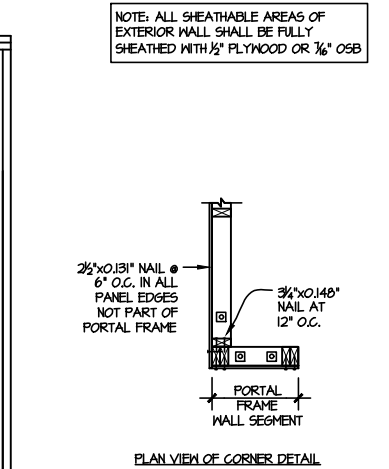
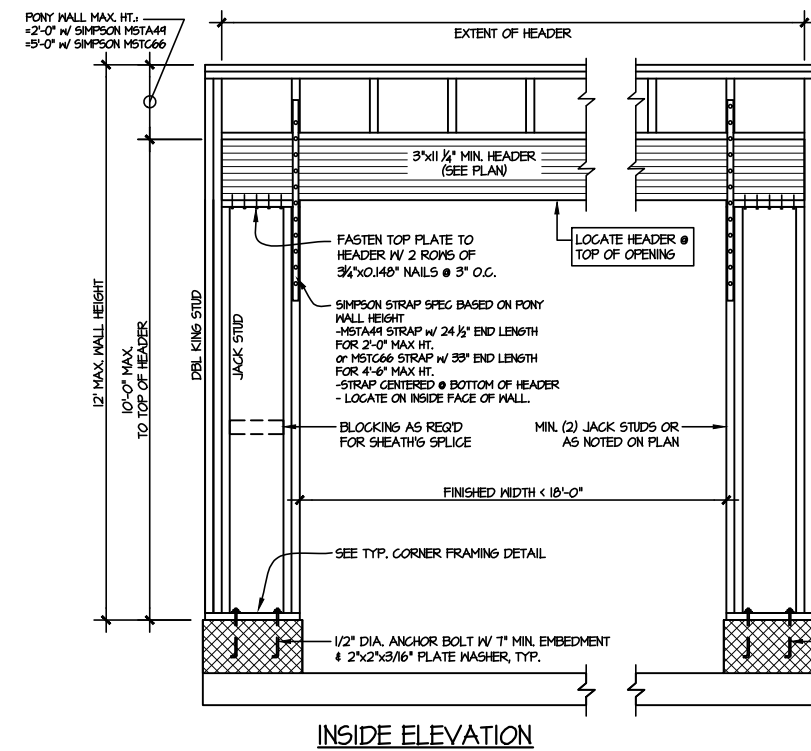
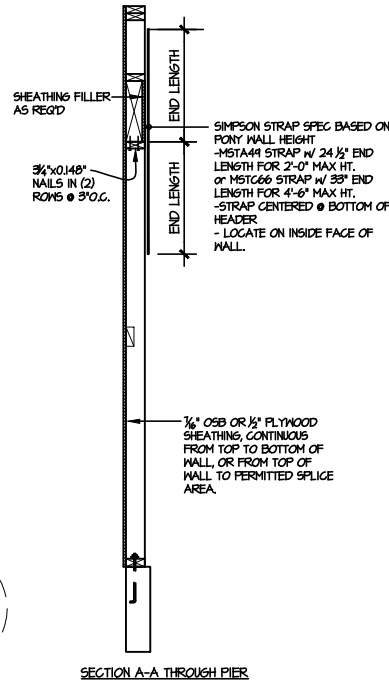
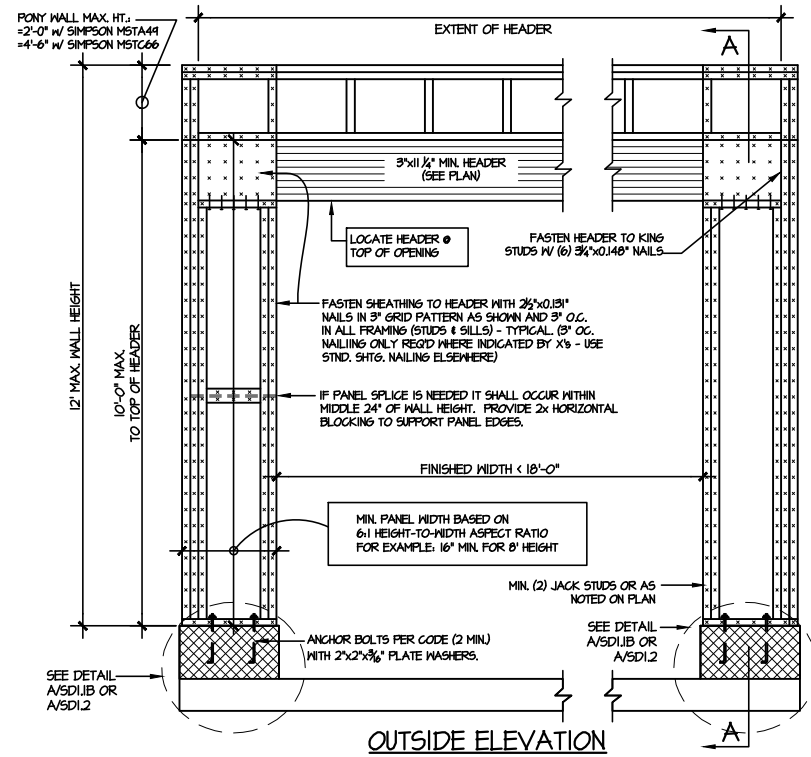
INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



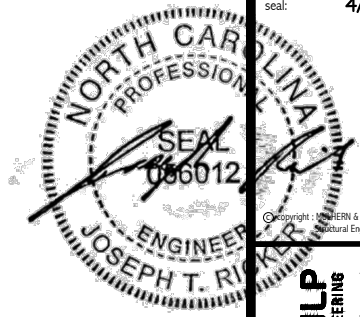
DETAIL SUPPORT OF BRICK VENEER
SCALE: 3/4"=1'-0"



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



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



4/24/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
3800 Duneside Ave., Building 4 - Asheville, NC 28902
P: 715-546-8881 • m+k@mulhernkulp.com



M&K project number:
126-23047

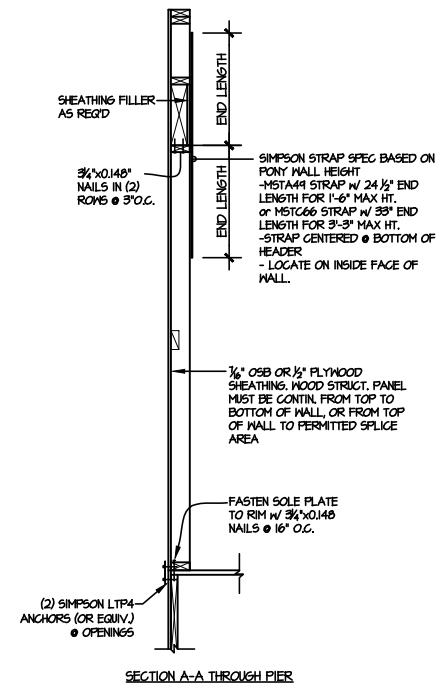
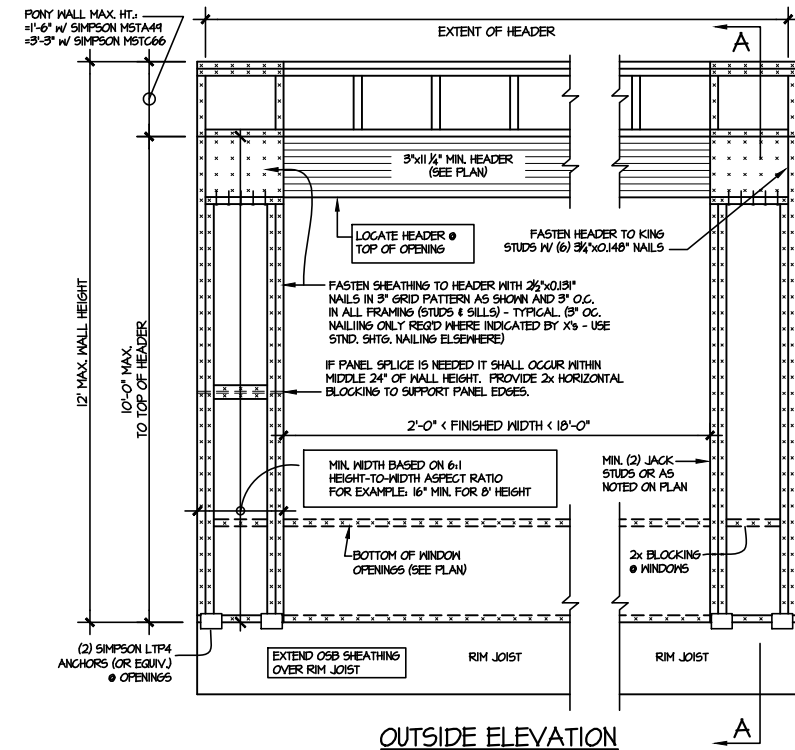
project mgr: JTR
drawn by: KJN
issue date: 04-11-25

REVISIONS:
date: initial:
2025-04-23 KFG
REVISED F.P.

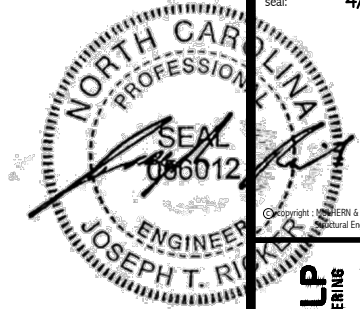
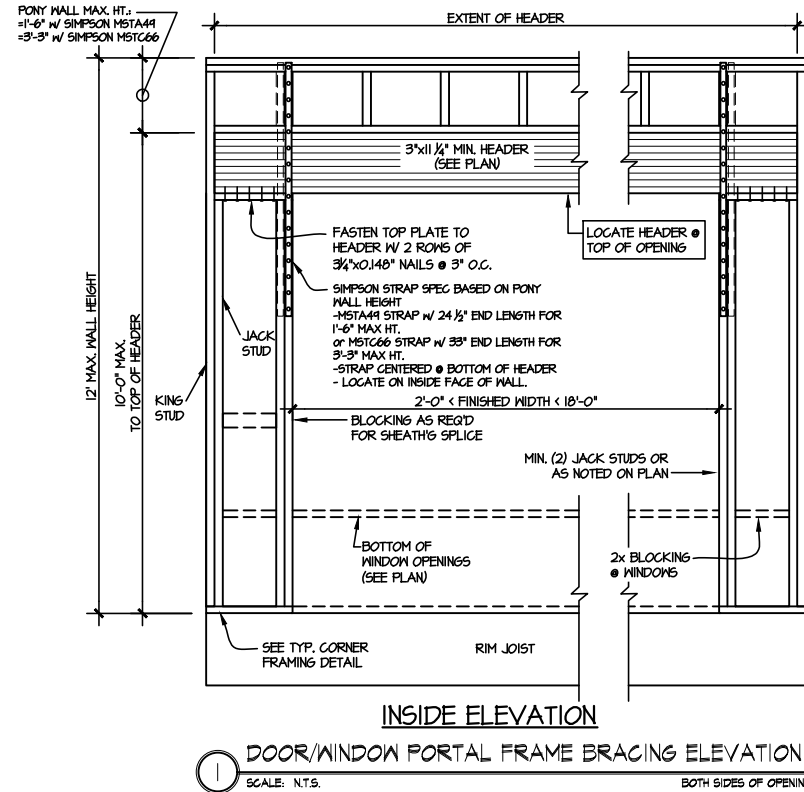
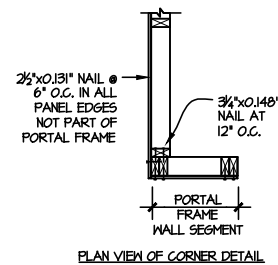
DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:
SD2.2



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



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RESIDENTIAL STRUCTURAL ENGINEERING
3800 Beardslee Ave., Building 4 - Asheville, NC 28802
919-256-9883 • mulhern+kulp.com
NC LIC. #C-3825

M&K project number:
126-23047

project mgr: JTR
drawn by: KJN
issue date: 04-11-25

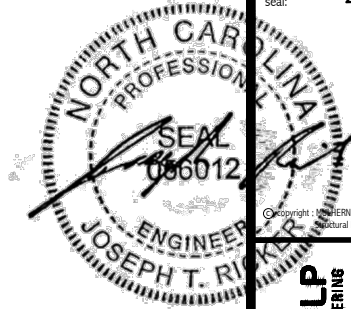
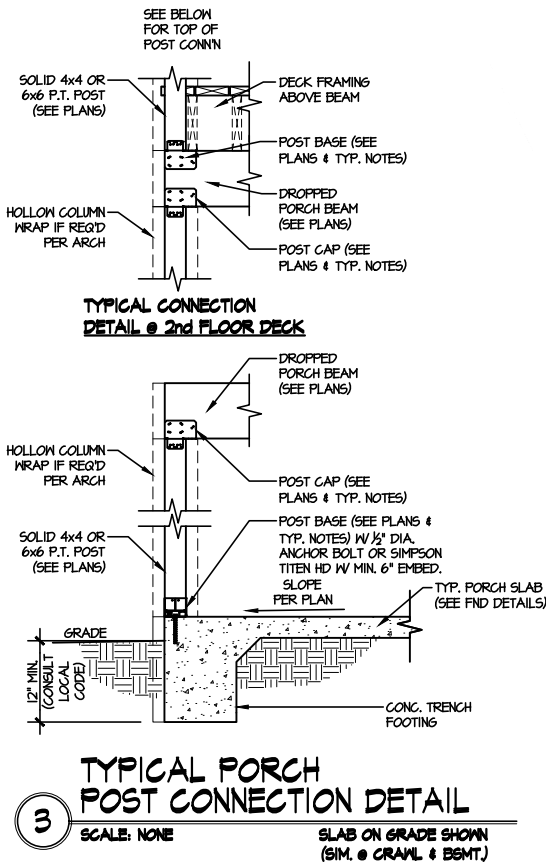
REVISIONS:

date:	initial:
2025-04-23	KFG
REVISED F.P.	

DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:
SD2.3



seal: 4/24/25

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3000 Dismalville Ave., Building 4 • Asheville, NC 28802
P: 715-546-0351 • mulhern+kulp.com



NC LIC. #C-3825

M&K project number:
126-23047

project mgr: JTR
drawn by: KJN
issue date: 04-11-25

REVISIONS:

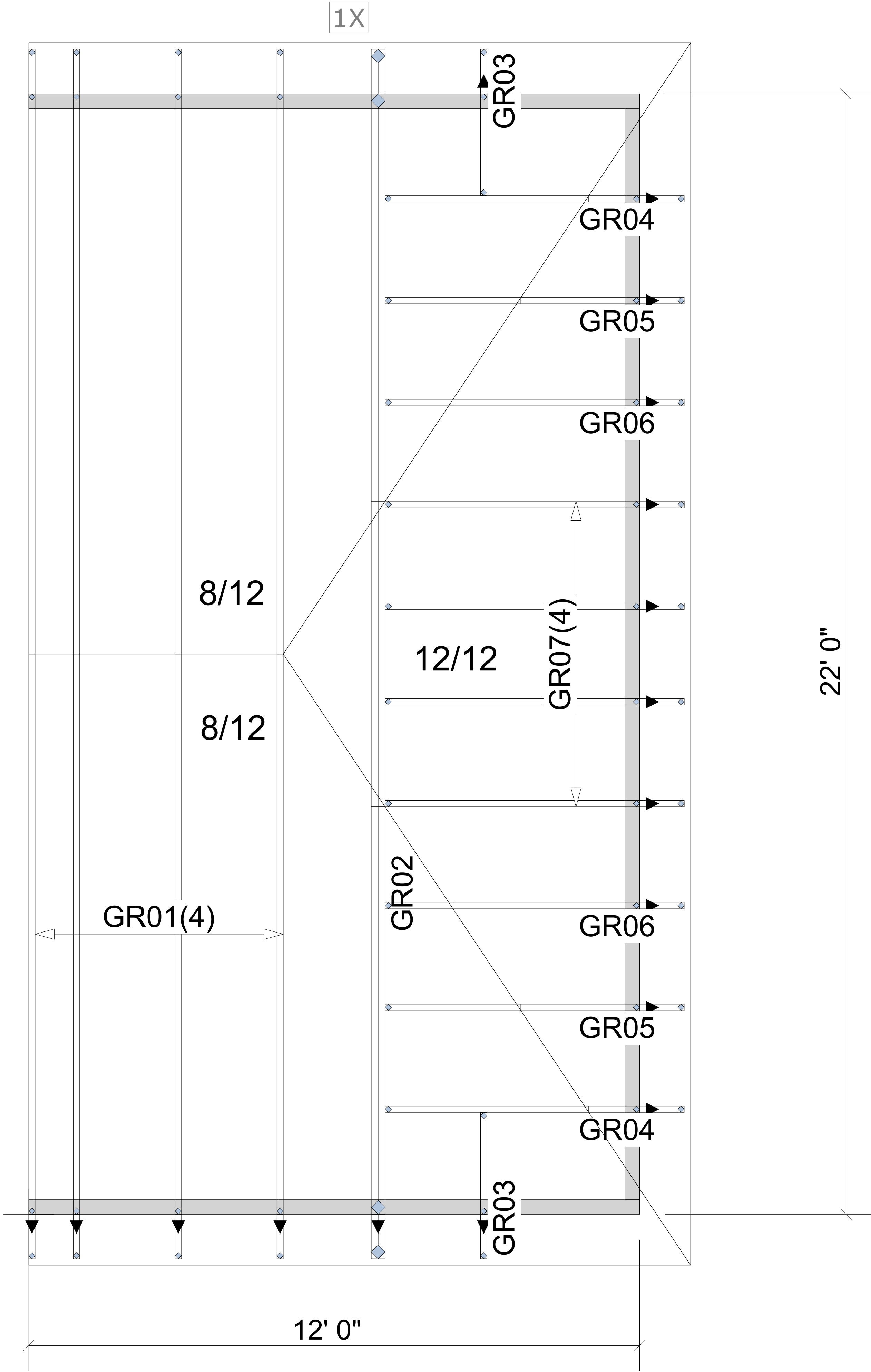
date:	initial:
2025-04-23	KFG
REVISED F.P.	

DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 48 - STONEFIELD 7
RALEIGH, NC

sheet:
SD3.0

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



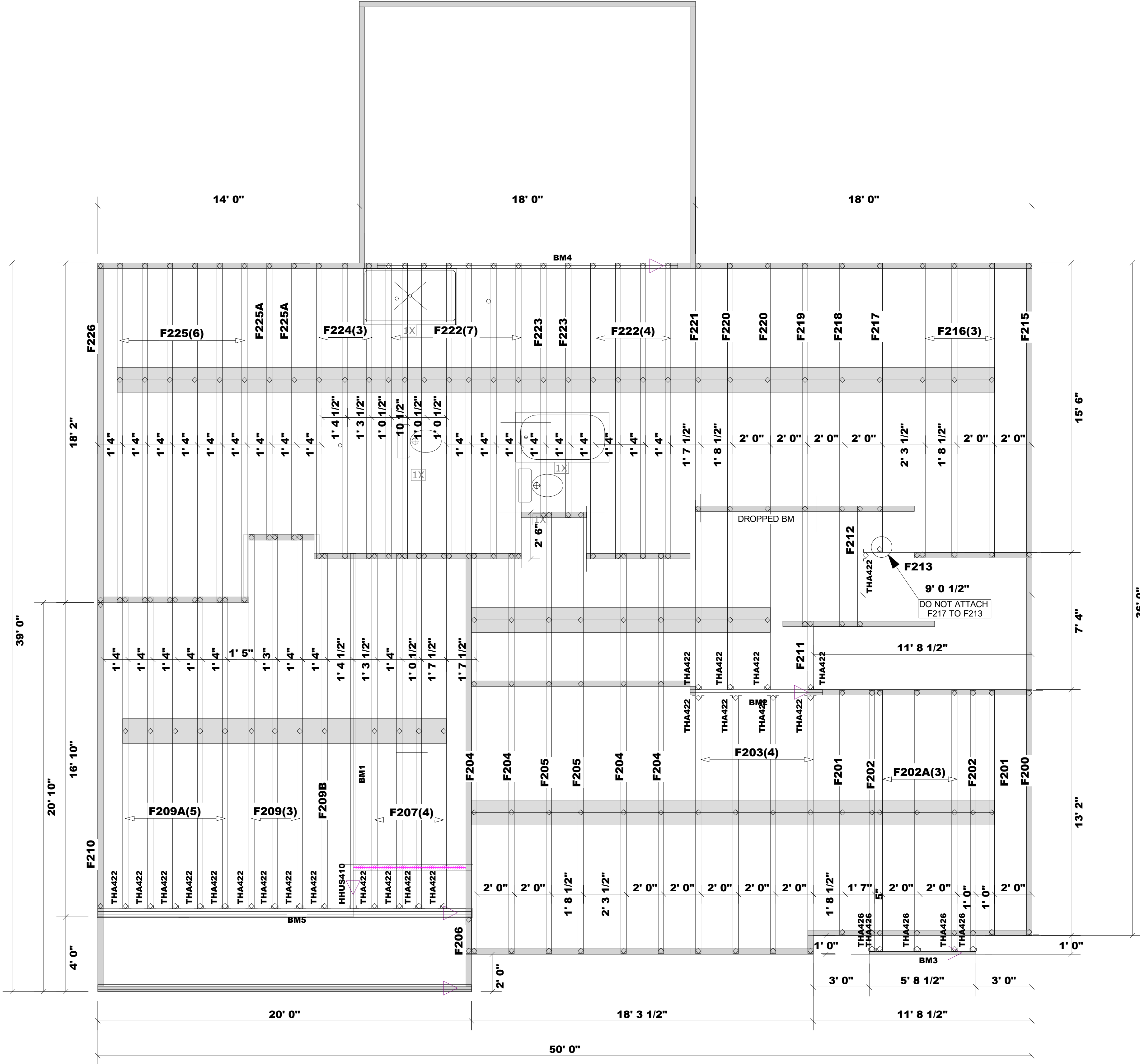
WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and safe handling and installation. For general handling and installation guidance, see the "Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses ("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.

▲ = LEFT END OF TRUSS		FOR PERMIT	
REVISIONS:	 Moncks Corner/Easley, SC (800) 475-3999 Sparta, NC (336) 372-2226	Client: DRB GROUP-RALEIGH	
		Job: LOT 0.0048 HONEYCUTT HILL	
		Plan Information:	
		STONEFIELD-7	
		NOT TO SCALE	
		Date: 04/22/25	
		Drawn By: CGT	Job #: 25-3336-R01
			Sales Rep: KYLE GIBSON
			Phone: 25-3336-R01

Products					
Fab Type	Net Qty	Plies	Product	Length	PlotID
MFD	2	2	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	20' 0"	BM1
MFD	2	2	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	8' 0"	BM2
MFD	1	1	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	6' 0"	BM3
MFD	2	2	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	17' 0"	BM4
MFD	3	3	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	20' 0"	BM5

Connector Summary			
Flange	Product	Manuf	Qty
None	HHUS410	Simpson	1

Truss Connector Total List		
Qty	Product	Manuf
22	THA422	Simpson
5	THA426	Simpson



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

FOR PERMIT

Cilient: DRB GROUP-RALEIGH

Job: LOT 0.0048 HONEYCUTT HILL

Plan Information:

STONEFIELD-7

ROOF

NOT TO SCALE

Drawn By: CGT

Date: 1-11-17

Job #:

Sales Rep: KYLE GIBSON

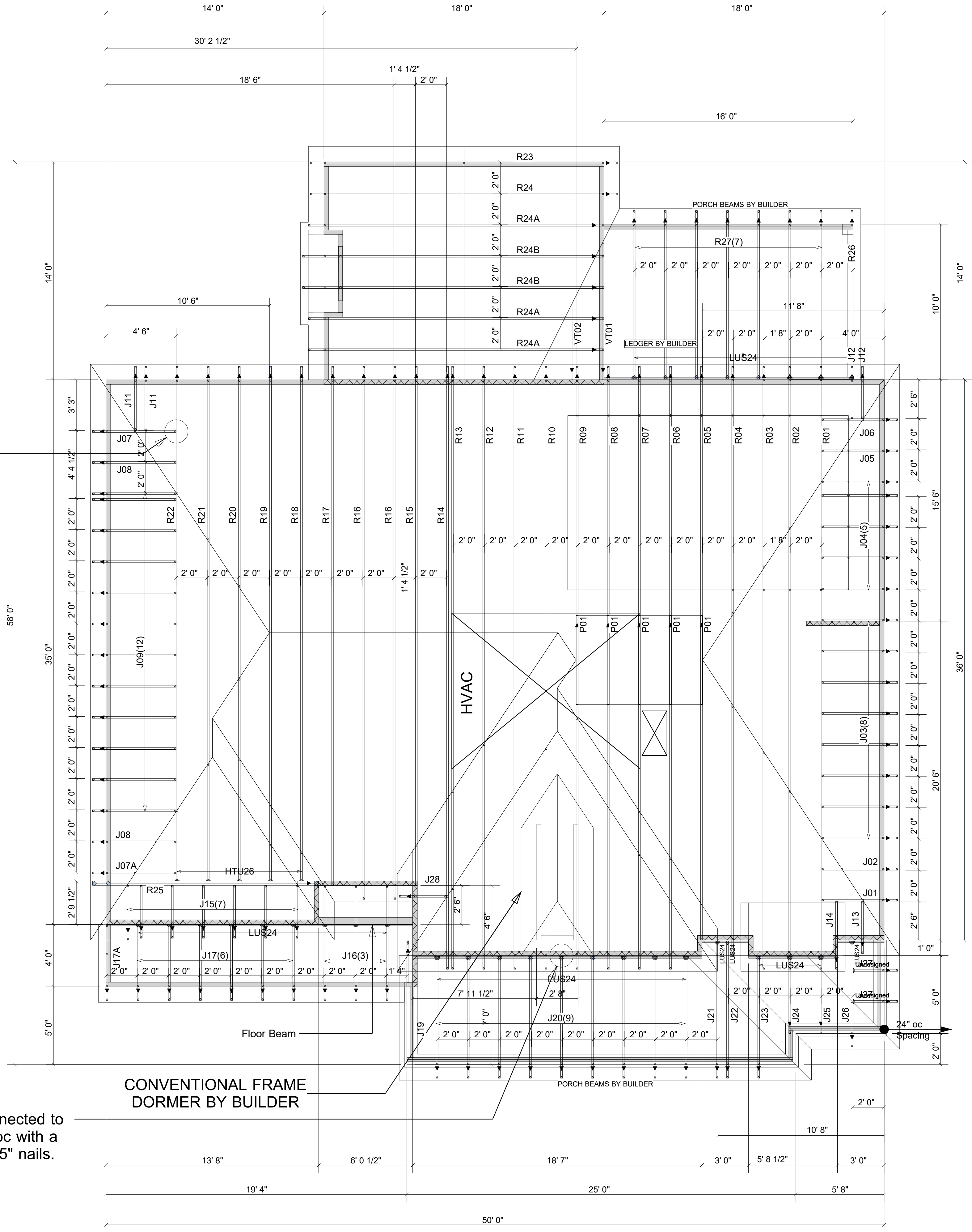
Phone: 843-729-3249

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

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

CONVENTIONAL FRAME DORMER BY BUILDER

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HTU26	5
Simpson	LUS24	32



▲ = LEFT END OF TRUSS

FOR PERMIT

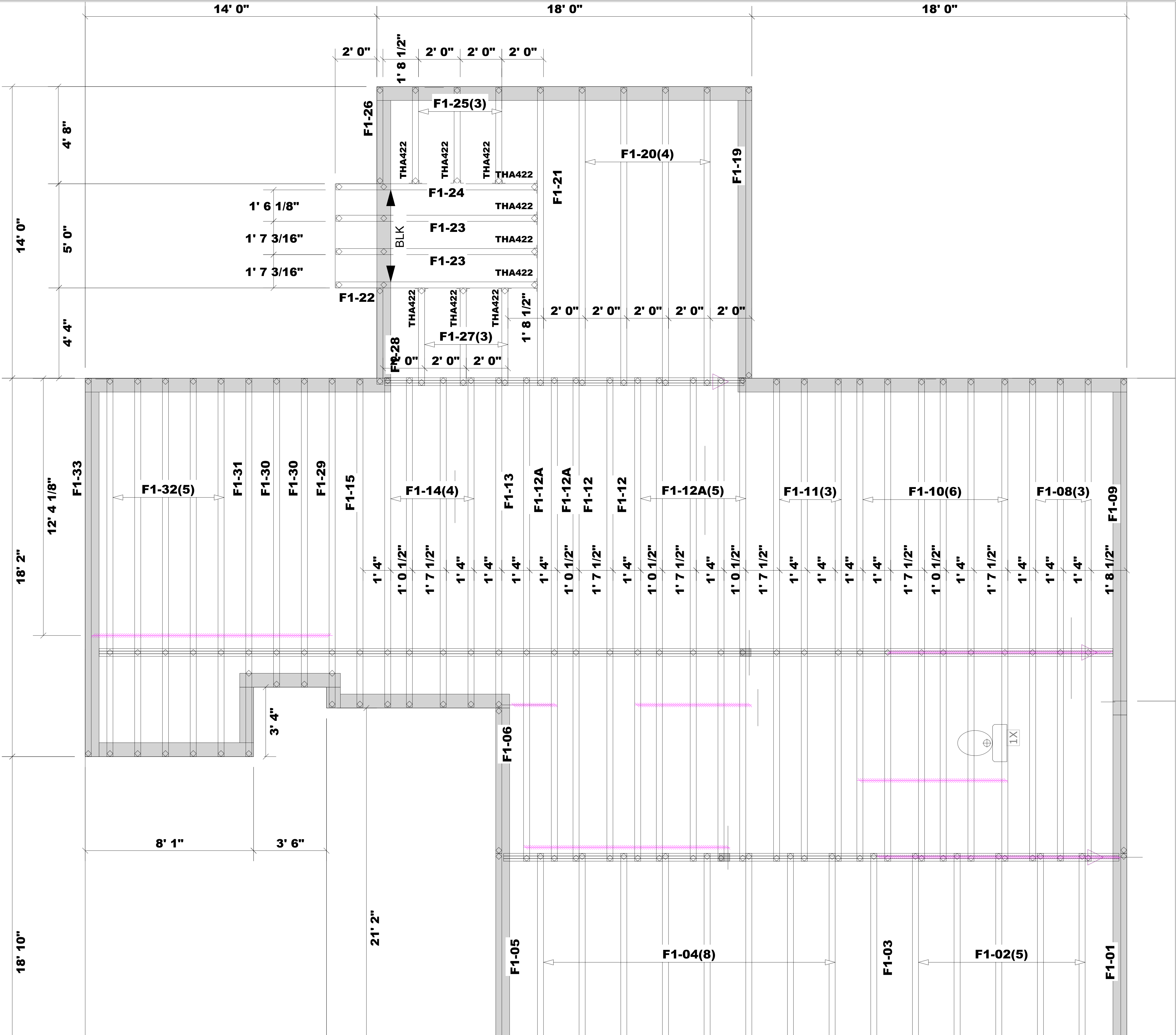
Client: DRB GROUP-RALEIGH		ROOF	
Job:	LOT 0.0048 HONEYCUTT HILL	NOT TO SCALE	Date: 04/22/25
Plan Information: STONEFIELD-7		Drawn By: CGT	Job #: 25-3336-R01
		Sales Rep: KYLE GIBSON	
		Phone:	



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

Product	Length	PlotID
ARD OSB	2' 0"	Blk1

Truss Connector Total List		
Qty	Product	Manuf
10	THA422	



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

DRB GROUP-RALEIGH

LOT 0.0048 HONEYCUTT HILL

STONEFIELD-7

Client:

Job:

Plan Information:

NOT TO SCALE

Drawn By:

Date: 04/22/25

Job #:

Sales Rep: KYLE GIBSON

Phone: 864-304-3282

REVISIONS:

ATLANTIC

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