

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

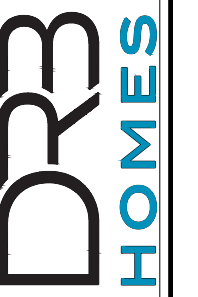


**REAR ELEVATION I**  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0108 amendment.dwg DATE: 6/20/2024 11:19 AM

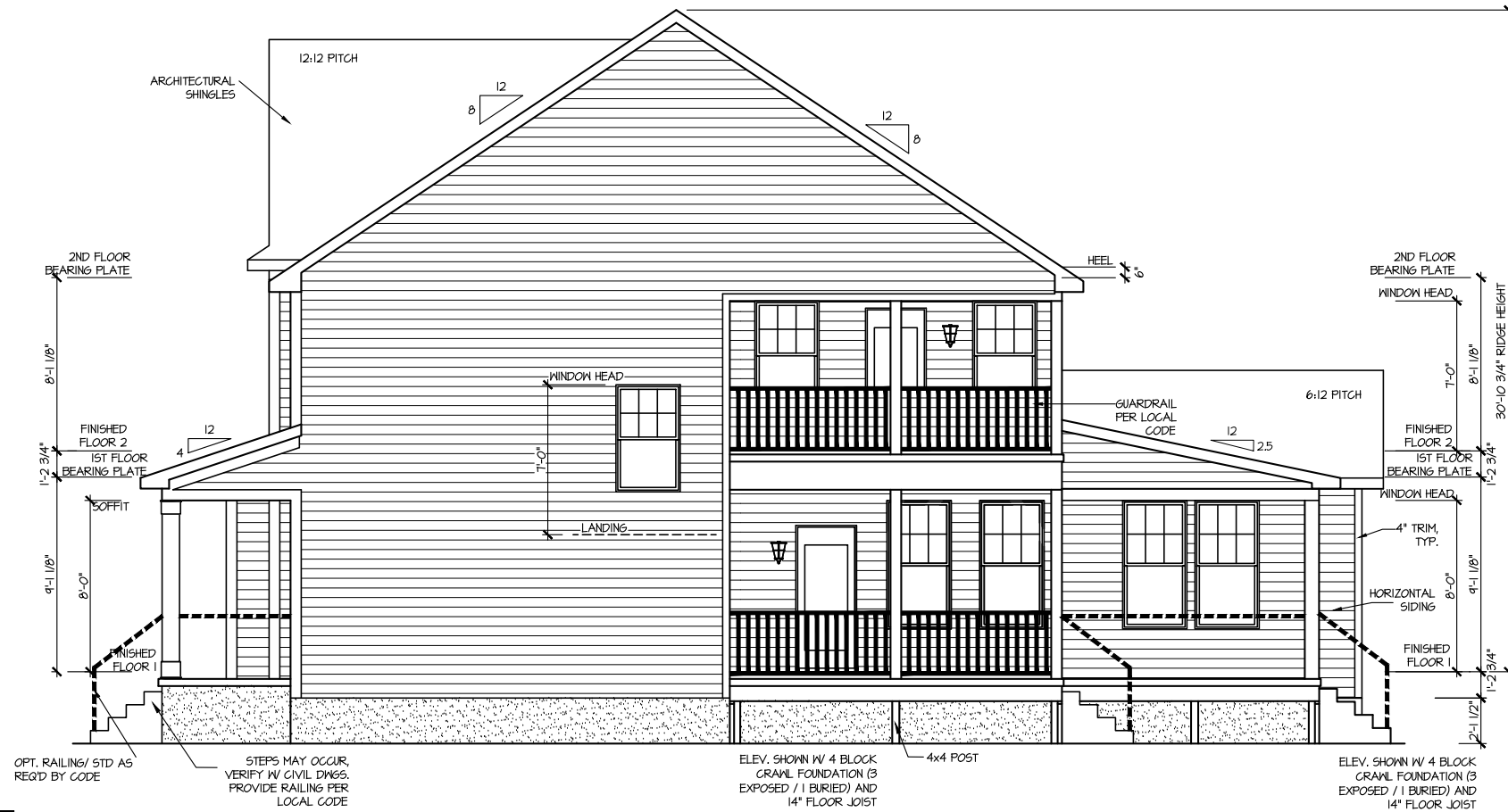
MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	3-20-2024
UPDATED DATE	

DRAWN BY: ITS  
DATE: 06/20/2024  
PLAN NO. 1635

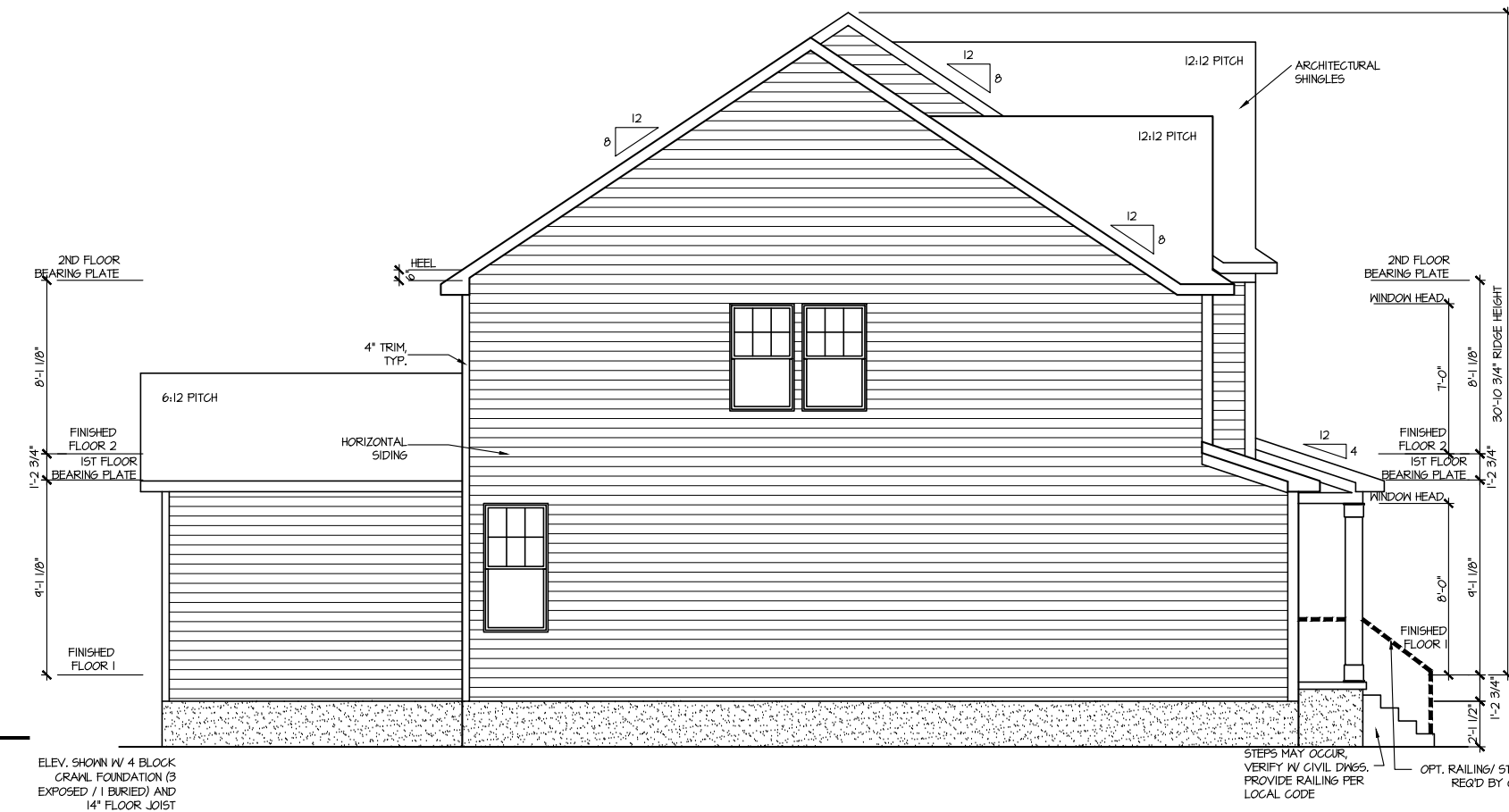


HOUSE NAME: STONEFIELD  
DRAWING TITLE: FRONT & REAR ELEVATIONS

SHEET No. A.1



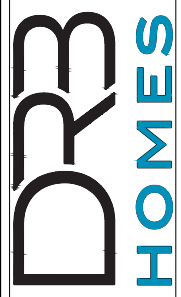
**RIGHT ELEVATION I**  
SCALE: 1/8" = 1'-0"



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

MASTER PLAN INFORMATION	
REVISION	DATE
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HOUSE NAME:  
**STONEFIELD**  
DRAWING TITLE  
**RIGHT & LEFT ELEVATIONS**

SHEET No.  
**A1.2**

ATTIC VENT CALCULATION FOR PLAN '1'

**UPPER ROOF VENTILATION CALCULATIONS:**  
 ROOF AREA 1 = 1184 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 150 = 11.4 SQ. FT.  
 1 TO 300 = 5.45 SQ. FT.  
 50% IN TOP THIRD = 2.41 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF)**  
 10 LINEAR FEET OF SOFFIT X 5.1 SQ. IN = 3.000 SQ. FT.  
**UPPER VENTING (TOP 1/3 ROOF)**  
 4 LINEAR FEET OF RIDGE X 10 SQ. IN = 3 SQ. FT.  
 3 SQ. FT. AT 50%  
 (1 TO 300 ALLOWED)

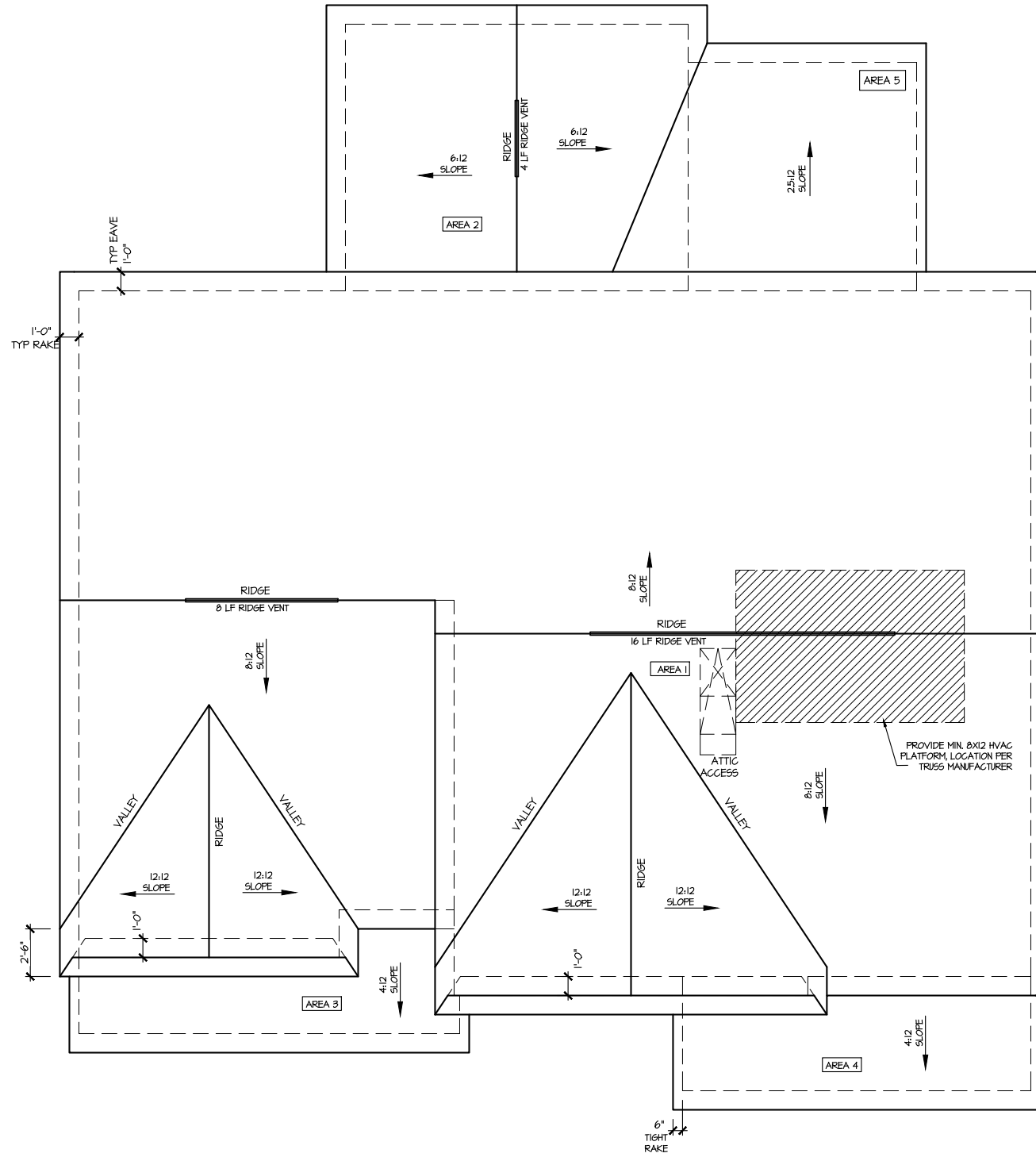
**UPPER ROOF VENTILATION CALCULATIONS:**  
 ROOF AREA 2 = 252 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 150 = 1.68 SQ. FT.  
 1 TO 300 = 0.84 SQ. FT.  
 50% IN TOP THIRD = 0.42 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF)**  
 11 LINEAR FEET OF SOFFIT X 5.1 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 3 = 45 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 150 = 0.63 SQ. FT.  
 1 TO 300 = 0.315 SQ. FT.  
 50% IN TOP THIRD = 0.158 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF)**  
 4 LINEAR FEET OF SOFFIT X 5.1 SQ. IN = 0.150 SQ. FT.  
**UPPER VENTING (TOP 1/3 ROOF)**  
 2 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.25 SQ. FT.  
 1 SQ. FT. BETWEEN 50%  
 (1 TO 300 ALLOWED)

**UPPER ROOF VENTILATION CALCULATIONS:**  
 ROOF AREA 4 = 103 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 150 = 0.681 SQ. FT.  
 1 TO 300 = 0.3405 SQ. FT.  
 50% IN TOP THIRD = 0.1702 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF)**  
 5 LINEAR FEET OF SOFFIT X 5.1 SQ. IN = 0.140 SQ. FT.  
**UPPER VENTING (TOP 1/3 ROOF)**  
 2 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.25 SQ. FT.  
 1 SQ. FT. AT 50%  
 (1 TO 300 ALLOWED)

**UPPER ROOF VENTILATION CALCULATIONS:**  
 ROOF AREA 5 = 144 SQ. FT.  
**OVERALL REQUIRED VENTILATION:**  
 1 TO 150 = 0.46 SQ. FT.  
 1 TO 300 = 0.40 SQ. FT.  
 50% IN TOP THIRD = 0.24 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.  
**LOWER VENTING (BOTTOM 2/3 ROOF)**  
 1 LINEAR FEET OF SOFFIT X 5.1 SQ. IN = 0.271 SQ. FT.  
**UPPER VENTING (TOP 1/3 ROOF)**  
 2 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.25 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"

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MASTER PLAN INFORMATION

DATE 3-20-2024  
 REVISION 2-RALE  
 DRAWN BY: ITS  
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HOUSE NAME: STONEFIELD  
 DRAWING TITLE: ROOF PLAN

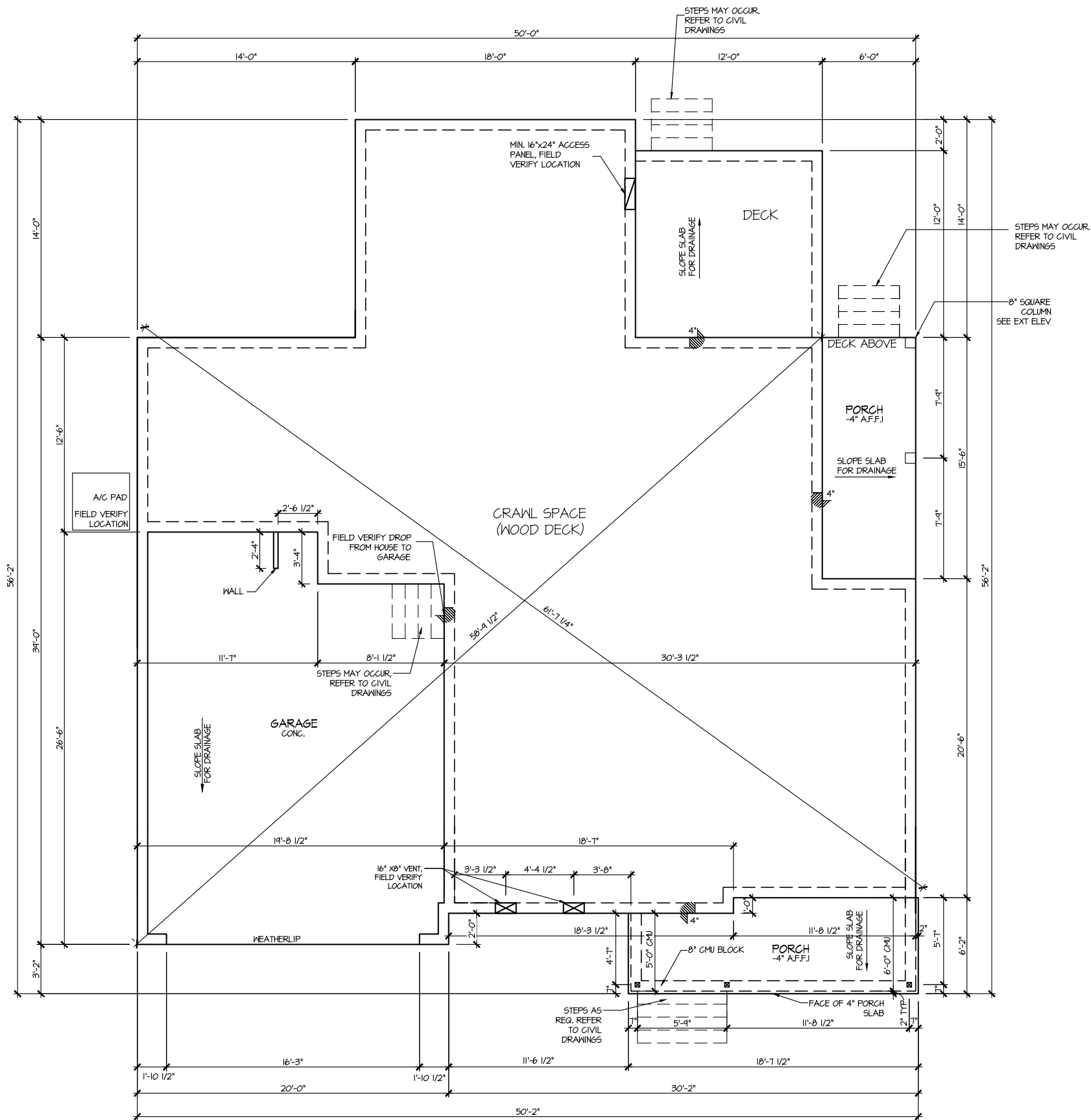
SHEET No. A13

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

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

VENTING REQUIREMENT:  
 1542 SQ. IN. / 12 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



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

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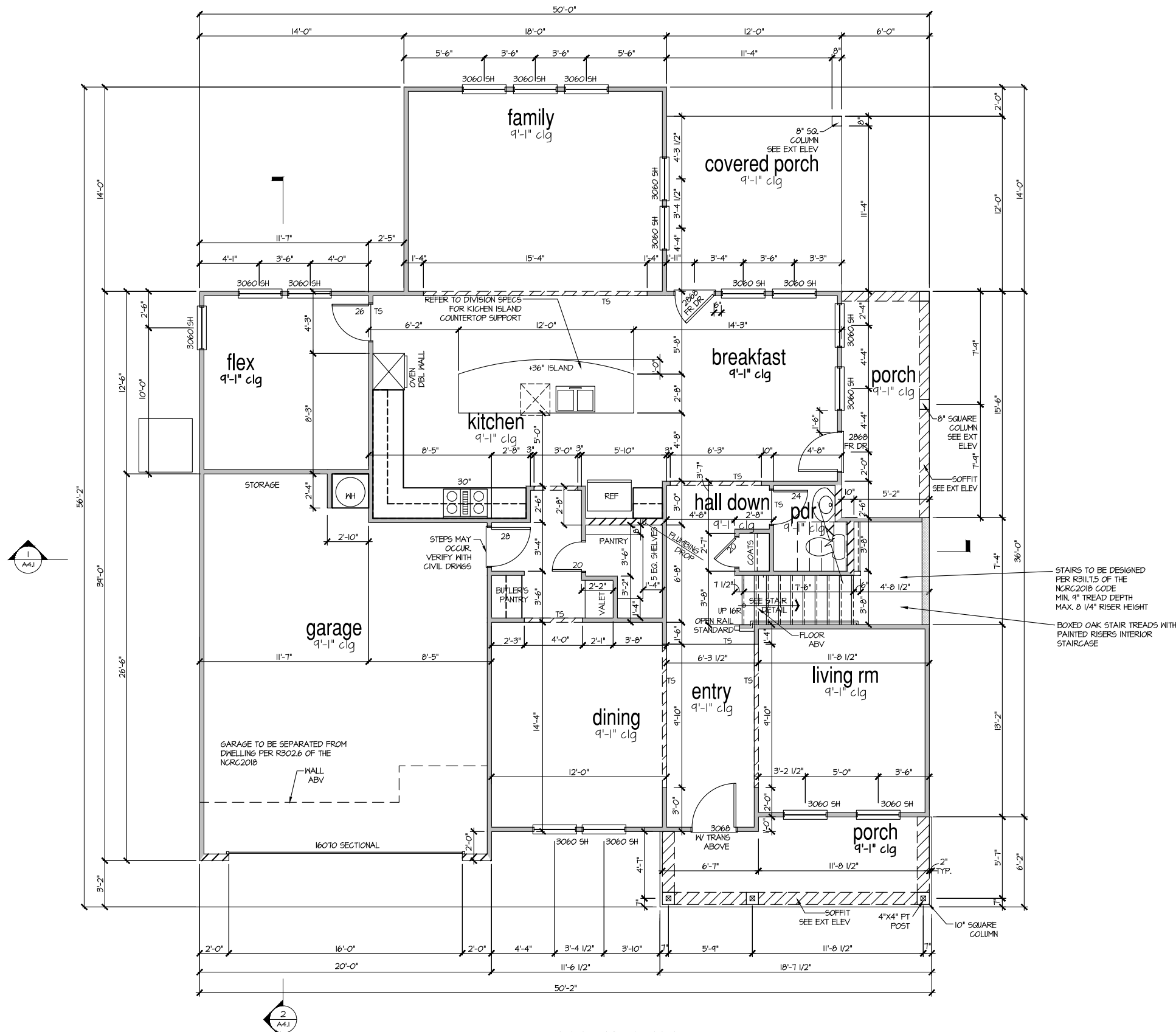
MASTER PLAN INFORMATION	
DATE	3-20-2024
REVISION	2-RALE
UPDATED DATE	

DRAWN BY: ITS  
 DATE: 06/20/2024  
 PLAN NO. 1635



HOUSE NAME: STONEFIELD  
 DRAWING TITLE: CRAWL SPACE PLAN

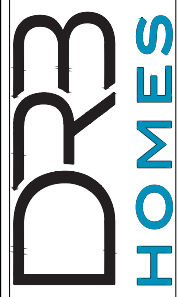
SHEET No. A2.1



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

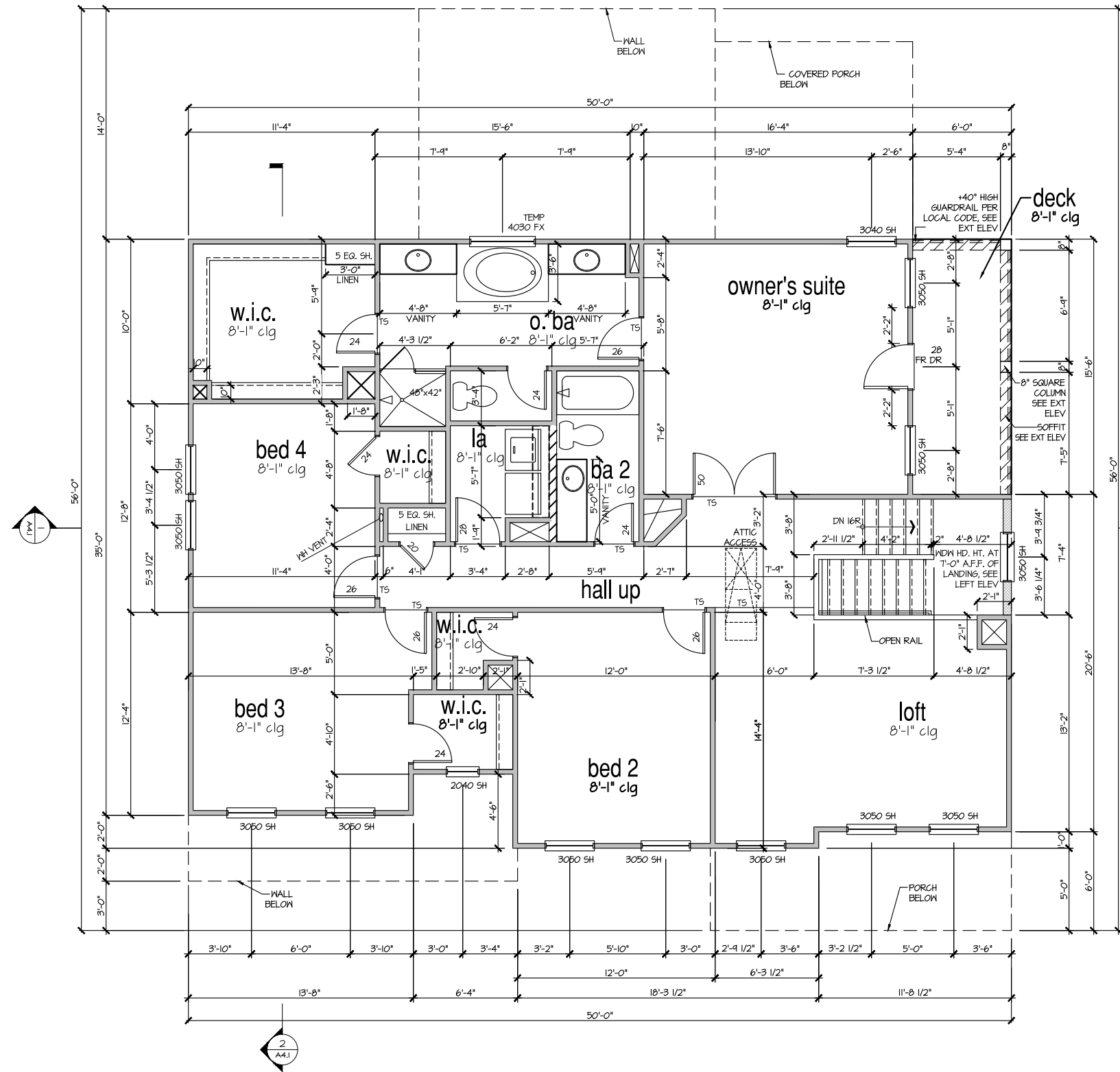
MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
2-RALE	3-20-2024	

DRAWN BY: ITS  
DATE: 06/20/2024  
PLAN NO. 1635



HOUSE NAME: STONEFIELD  
DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. A3.1

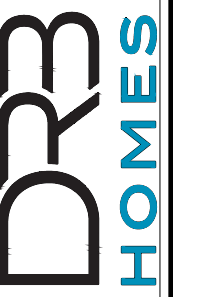


**ELEVATION I  
SECOND FLOOR PLAN**

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

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

DRAWN BY: ITS  
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PLAN NO. 1635



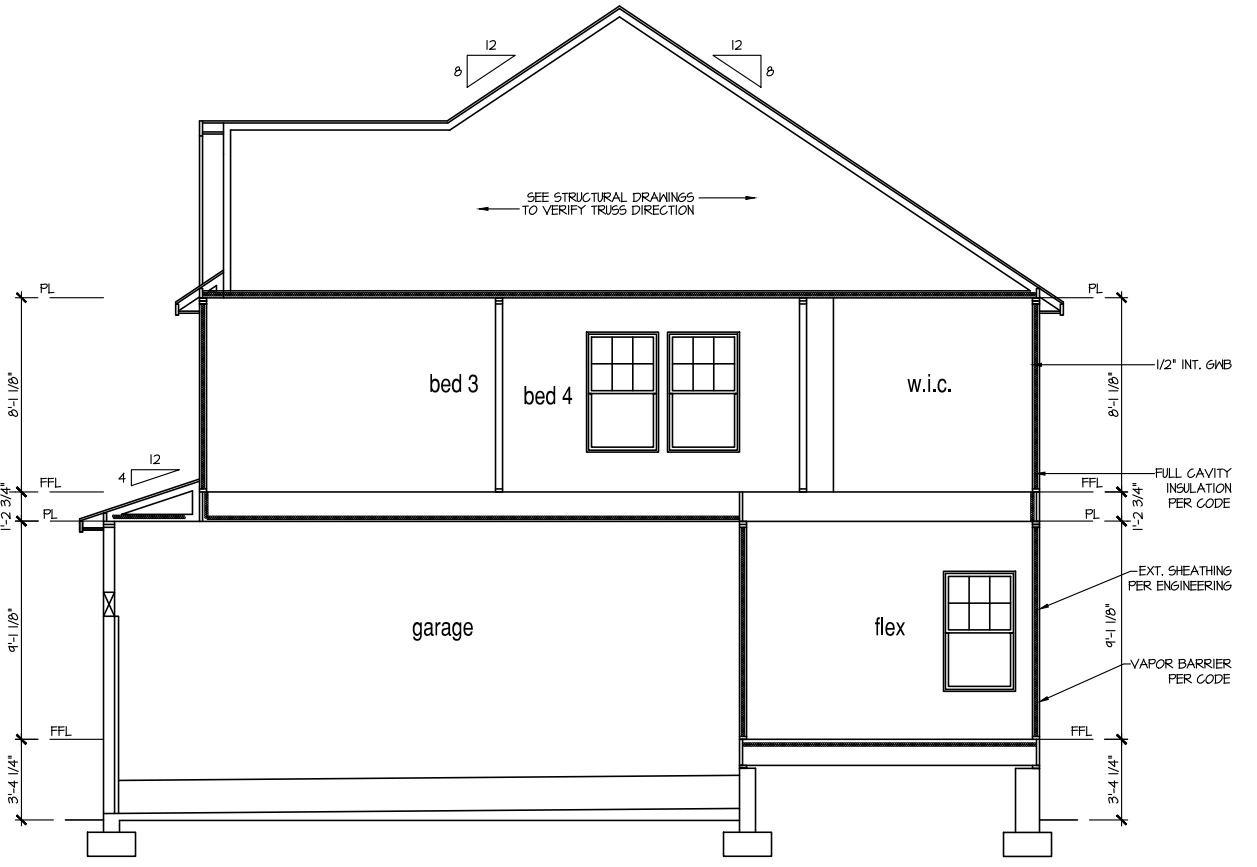
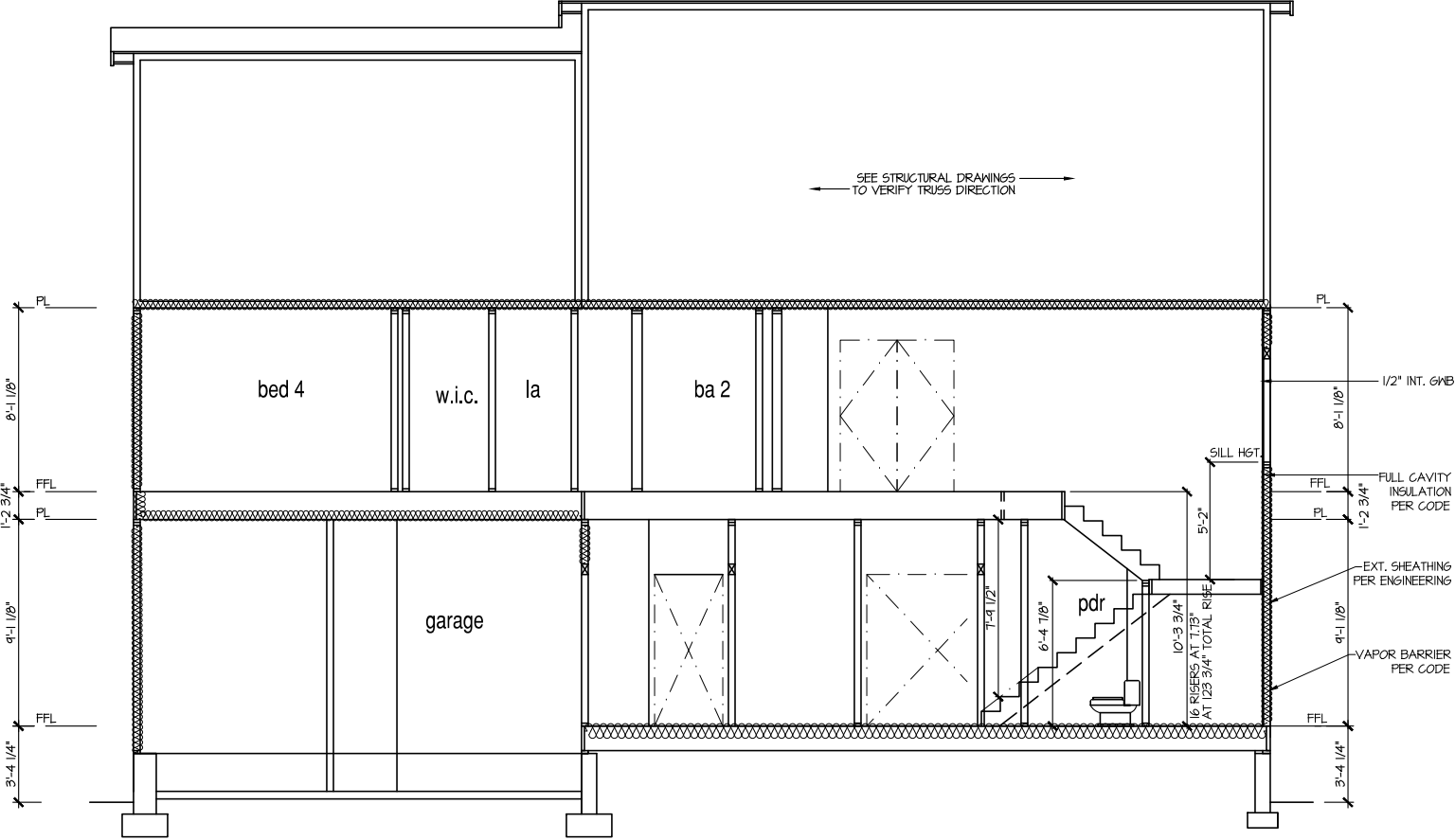
HOUSE NAME: STONEFIELD  
DRAWING TITLE: SECOND FLOOR PLAN

SHEET No. A3.2

FILE: Lot\_00.0108 amendment.dwg DATE: 6/20/2024 11:19 AM

**9'-1" STAIR NOTE:**  
 (USE 14" TJI WITH 3/4" PLYWOOD SUBFLOOR)  
 15 TREADS AT 10" EACH VERIFY  
 16 RISERS AT +/- 1.73" = 123 3/4" TOTAL RISE VERIFY

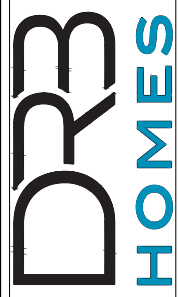
- NOTES:**
- BUILDING SECTIONS SHOWN HERE DEPICT VOLUMN SPACES WITHIN THE STRUCTURE. REFER TO STRUCTURAL DRAWINGS, TRUSS DRAWINGS, STRUCTURAL DETAILS AND CALCULATIONS BY OTHER FOR ALL STRUCTURAL INFO.
  - ROOFING: PITCHED SHINGLE ROOF. REFER TO ROOF PLAN FOR TYPICALS.
  - WOOD FLOORS: FLOOR SHEATHING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



MASTER PLAN INFORMATION

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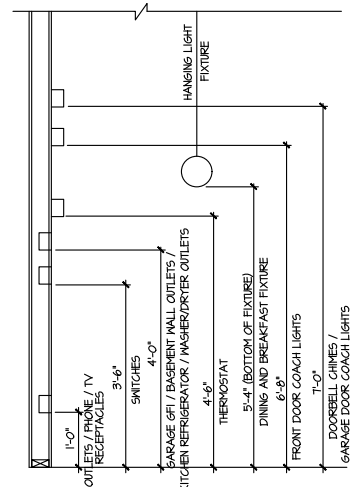


HOUSE NAME: STONEFIELD  
 DRAWING TITLE: BUILDING SECTION

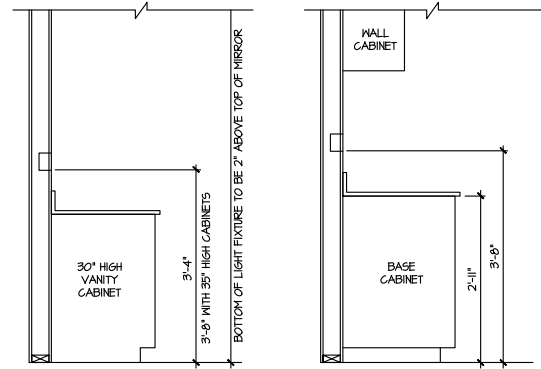
SHEET No. A4.1



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STANDARD ELECTRICAL BOX HEIGHTS

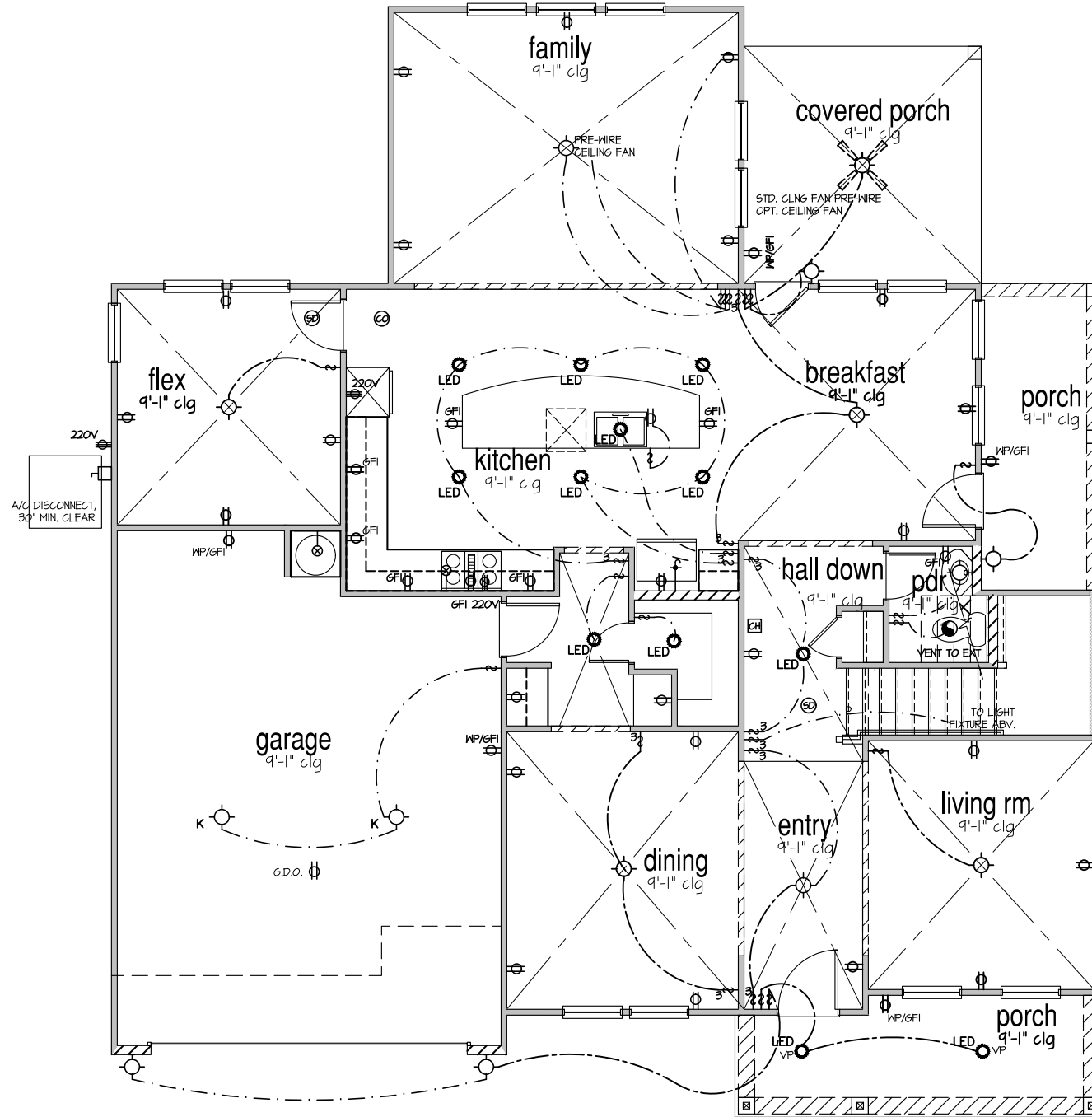


SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS

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 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 FLUORESCENT FIXTURES FOR NC & INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

LEGEND:			
⊘	AFCI DUPLEX OUTLET	⊙	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
⊘ NP/GFI	WEATHERPROOF GFI AFCI DUPLEX OUTLET	⊙	KEYLESS LIGHT
⊘ GFI	GROUND-FAULT CIRCUIT-INTERRUPTER AFCI DUPLEX OUTLET	⊙	WALL MOUNTED INCANDESCENT LIGHT FIXTURE
⊘	HALF-SWITCHED AFCI DUPLEX OUTLET	⊙	RECESSED LIGHT FIXTURE
⊘ 220V	220 VOLT AFCI OUTLET	⊙ LED	LED SURFACE MOUNTED
⊘	REINFORCED JUNCTION BOX	⊙	EXHAUST FAN (VENT TO EXTERIOR)
⊘	WALL SWITCH	⊙	EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
⊘ 3	THREE-WAY SWITCH	⊙	TECH HUB SYSTEM
⊘ 4	FOUR-WAY SWITCH		
⊘	LED STRIP FIXTURE		

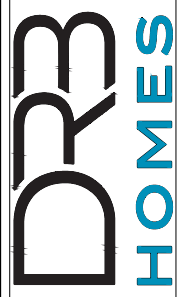


ELECTRICAL PLAN  
FIRST FLOOR - ELEV. 1

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

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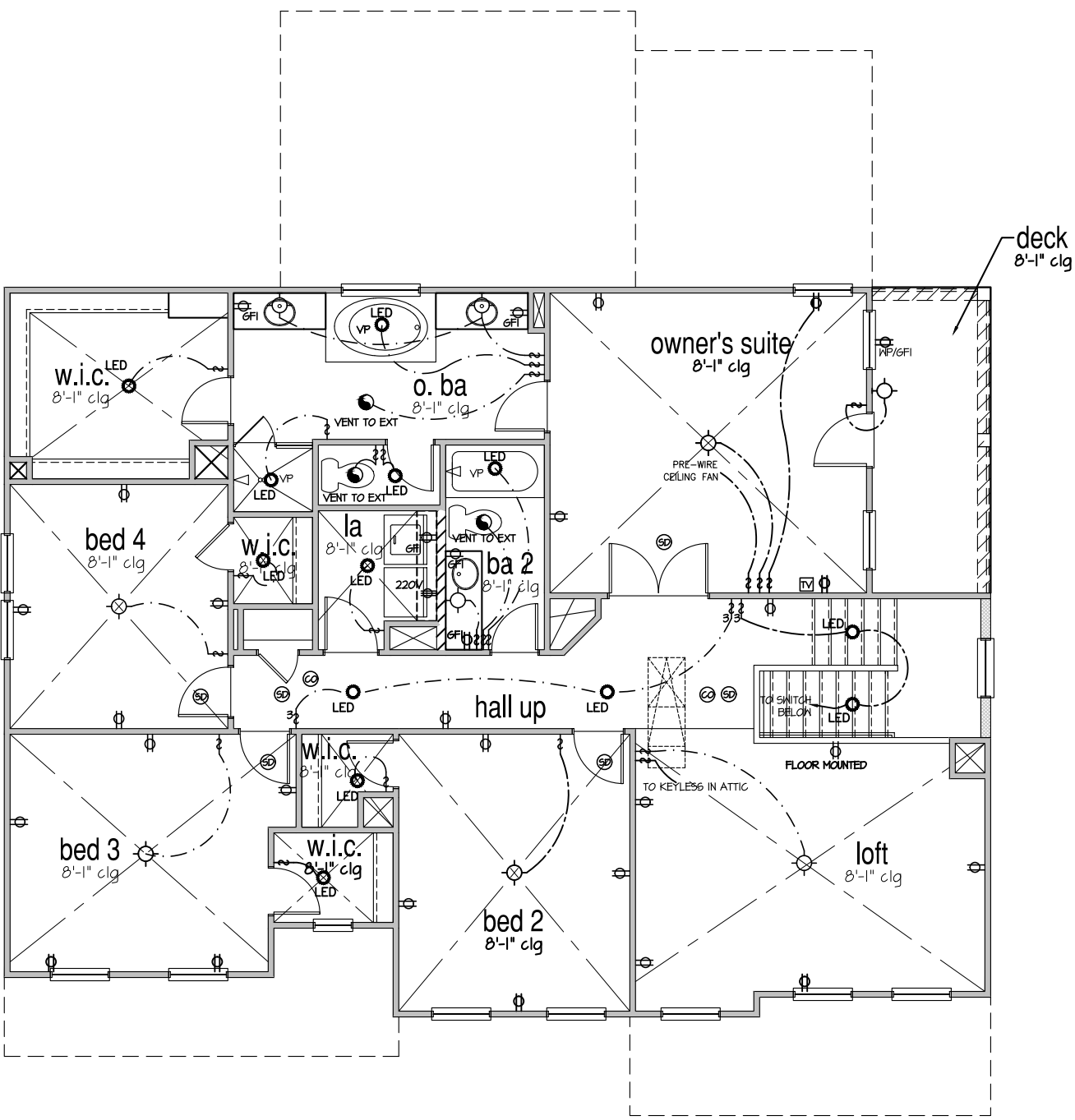
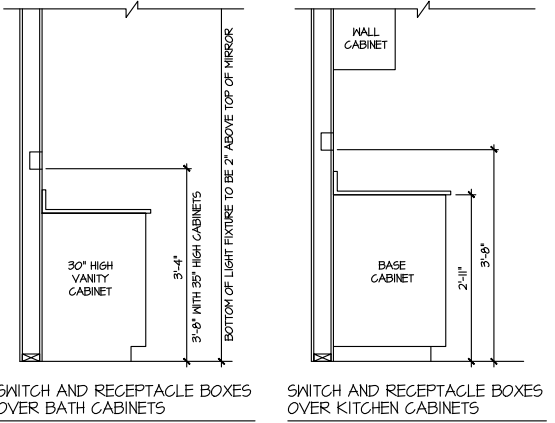
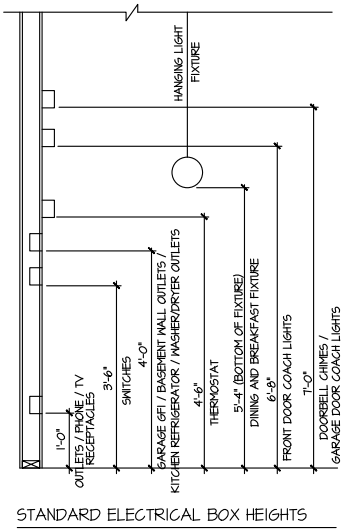
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HOUSE NAME: STONEFIELD  
DRAWING TITLE: FIRST FLOOR ELECTRICAL

SHEET No. 11

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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 4 INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

LEGEND:

LEGEND:		CHIMES	
⊕	AFCI DUPLEX OUTLET	⊕	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
⊕MP/GFI	WEATHERPROOF GFI DUPLEX OUTLET	⊕	KEYLESS LIGHT
⊕GFI	GROUND-FAULT CIRCUIT-INTERRUPTER AFCI DUPLEX OUTLET	⊕	HALL MOUNTED INCANDESCENT LIGHT FIXTURE
⊕	HALF-SWITCHED AFCI DUPLEX OUTLET	⊕	RECESSED LIGHT FIXTURE
⊕220V	220 VOLT AFCI OUTLET	⊕LED	LED SURFACE MOUNTED
⊕	REINFORCED JUNCTION BOX	⊕	EXHAUST FAN (VENT TO EXTERIOR)
⊕	WALL SWITCH	⊕	EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
⊕3	THREE-WAY SWITCH	⊕	TECH. HUB SYSTEM
⊕4	FOUR-WAY SWITCH	⊕	
⊕	LED STRIP FIXTURE	⊕	
⊕		⊕	

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

MASTER PLAN INFORMATION

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PLAN NO. 1635

**DRB HOMES**

HOUSE NAME: STONEFIELD  
DRAWING TITLE: SECOND FLOOR ELECTRICAL

SHEET No. 1.2

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

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

MEANS & METHODS NOTES

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

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

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN.

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING:

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
WOOD FRAME ENGINEERING IS BASED ON NDS, 'NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION' - LATEST EDITION.
DESIGN LOADS: ROOF DEAD = 7 PSF T.C., 10 PSF B.C. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION.
REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.
EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS)
ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SYP) LUMBER OR BETTER (KILN-DRIED).

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA.
AT 1-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.

ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS.
ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 1-08 'GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.'

VENEER LINTEL SCHEDULE

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

ALL LITELS SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40 PSI MAXIMUM HEIGHT
< 16" SHALL HAVE 4" 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 8 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NC5BC:RC (120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1604) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NC5BC:RC, OR THE SIMPLIFIED PREScriptive PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NC5BC:RC SECTION R802.11.1. 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" x 0.131" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD.
HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.

BLOCKED PANEL EDGES

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

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC.

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 HOLD-DOWN BELOW

GENERAL STRUCTURAL NOTES

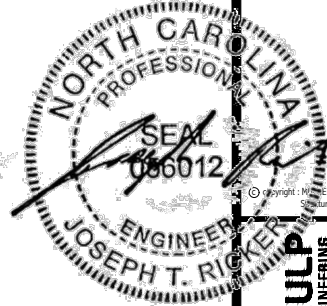
FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
FOOTING DESIGN - 2000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED.
FASTEN 2x4/6 SILL PLATES TO FIND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING: 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU)
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.:
fc = 4,000 psi; FOUNDATION WALLS
2,500 psi; FOOTINGS & INTERIOR SLABS ON GRADE
3,000 psi; GARAGE & EXTERIOR SLABS ON GRADE
fy = 60,000 psi
BASEMENT FOUNDATION WALL DESIGN BASED ON: 9' OR 10' HEIGHT (AS NOTED ON PLANS) - TALLER WALLS MUST BE ENGINEERED.
NOMINAL WIDTH (1 1/2" FOR 10" THICK WALL).
BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SC, ML-CL, OR CL).
BASEMENT WALLS SHALL BE 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 4% COMPACTED FILL.
PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS
CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (Fm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530.1.
CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRANL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
PROVIDE 2x6 P.T. PLATE ON INTERIOR CRANL SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
DIMENSIONS BY OTHERS, BUILDER TO VERIFY.
BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

HOLD-DOWN SCHEDULE

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

ALTERNATIVE TO S6TB24 ANCHOR BOLT SPECIFICATION: UTILIZE SIMPSON 'SET' EPOXY SYSTEM TO FASTEN 3/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF FOUNDATION.



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M&K project number: 126-23061

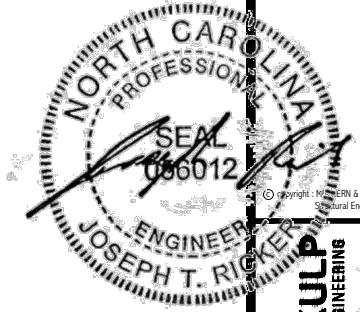
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drawn by: SJF
issue date: 06-25-24

REVISIONS:
date: initial:



STRUCTURAL NOTES
BLAKE POND
LOT 108 - STONEFIELD I
RALEIGH, NC

sheet: S0.0



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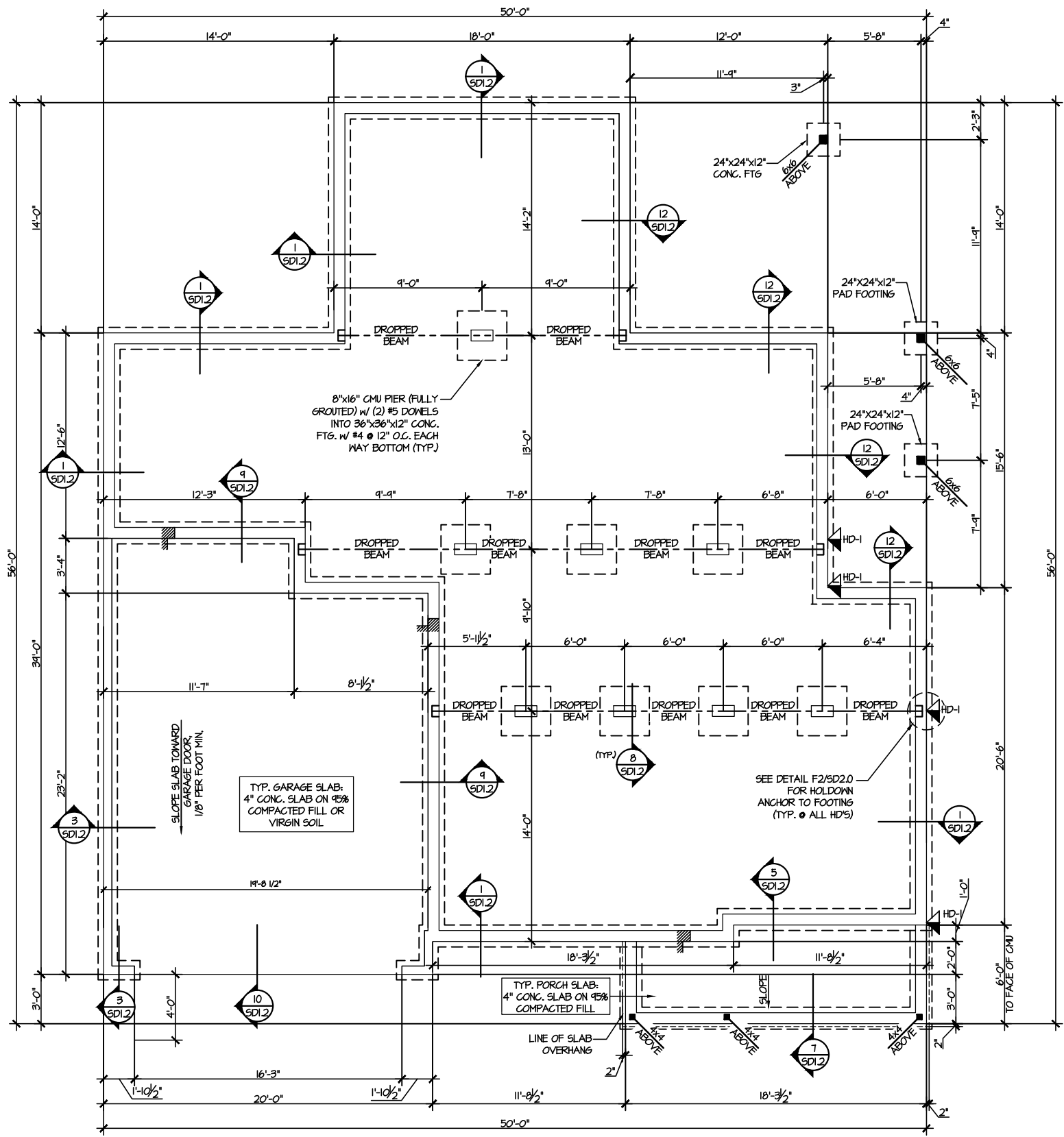
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**DRB**  
**HOMES**

FOUNDATION PLANS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet:  
**S1.0**



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

**LEGEND**

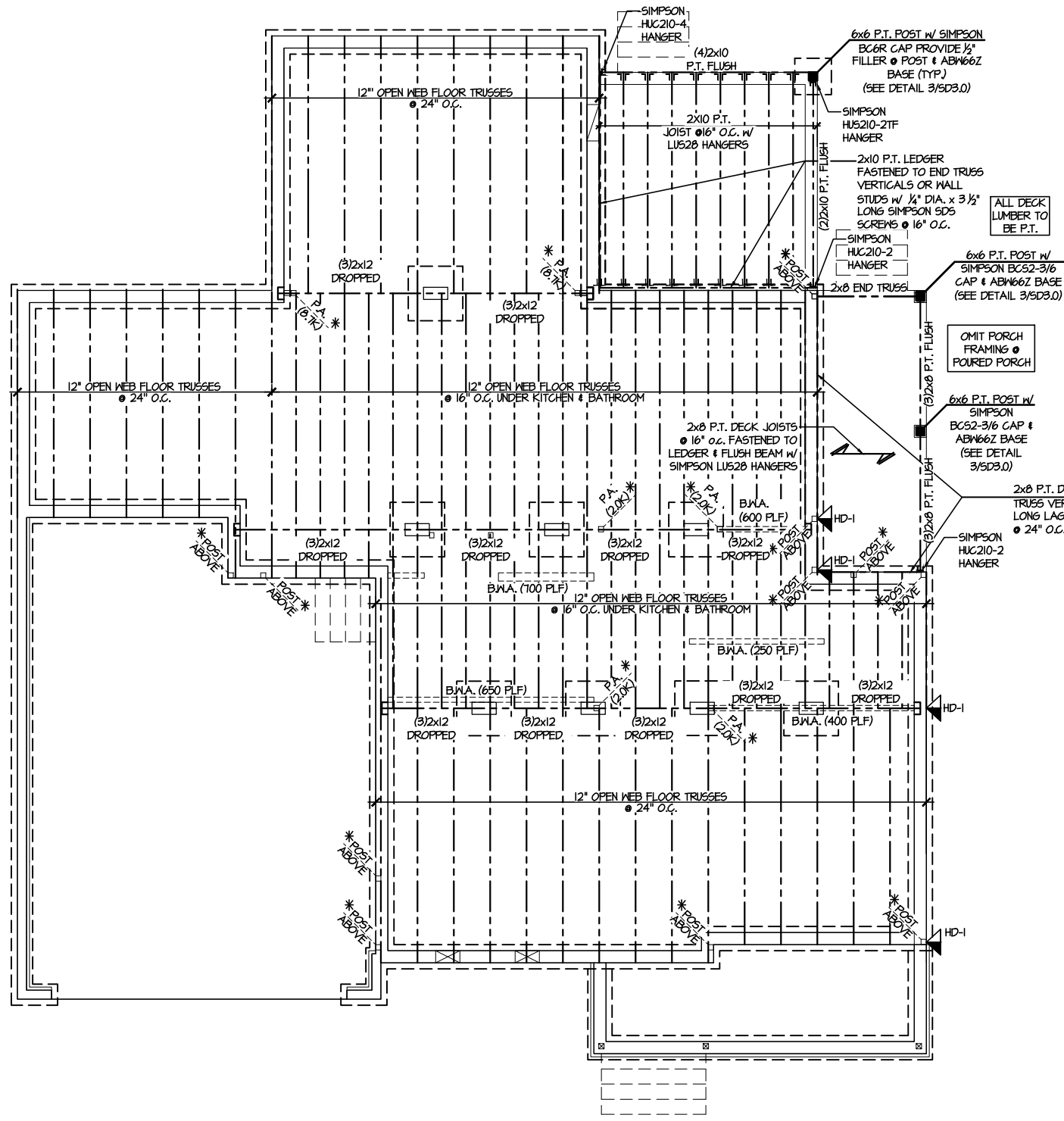
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- \* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

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

### ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x16" - D	3/2"x16" - D	N/A	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
002	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x17 1/2" - D	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
003	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	M2x14 - F
004	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	M2x14 - F
005	(3)3/4"x10" - FT	3/2"x10" - FT	N/A	(3)2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - F	M2x26 - F
006	(3)3/4"x10" - FT	3/2"x10" - FT	N/A	(3)2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - F	M2x26 - F
007	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	M2x14 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	M2x14 - F
009	(2)3/4"x14" - D	3/2"x14" - D	(2)3/4"x14" - D	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
010	(2)3/4"x16" - H	3/2"x16" - H	(3)3/4"x16" - H	(3)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - H	N/A
011	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x17 1/2" - D	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
012	(3)3/4"x16" - D	3/2"x16" - D	(4)3/4"x16" - D	(3)2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
013	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x17 1/2" - D	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
014	(2)3/4"x16" - D	3/2"x16" - D	(3)3/4"x16" - D	(3)2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
015**	(3)3/4"x17 1/2" - D	N/A	(3)3/4"x17 1/2" - D	(3)2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - D	M2x14 - D
016	(2)3/4"x17 1/2" - F	3/2"x17 1/2" - F	(3)3/4"x17 1/2" - F	(2)2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	M2x14 - 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

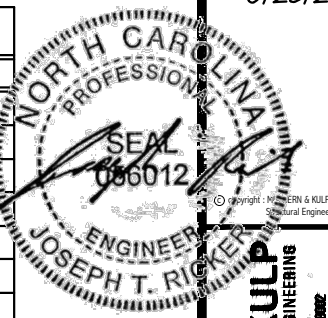


**1** 1ST FLOOR FRAMING PLAN  
SCALE: 1/8"=1'-0"

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
	M.L. METAL HANGER
	* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
	▶ INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



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M&K project number:  
126-23061

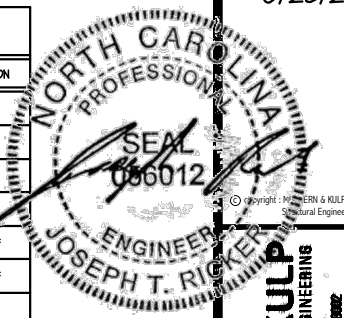
project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24

REVISIONS:  
date: initial:



FLOOR FRAMING PLANS  
**BLAKE POND**  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet:  
**S2.0**



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**DRB**  
**HOMES**

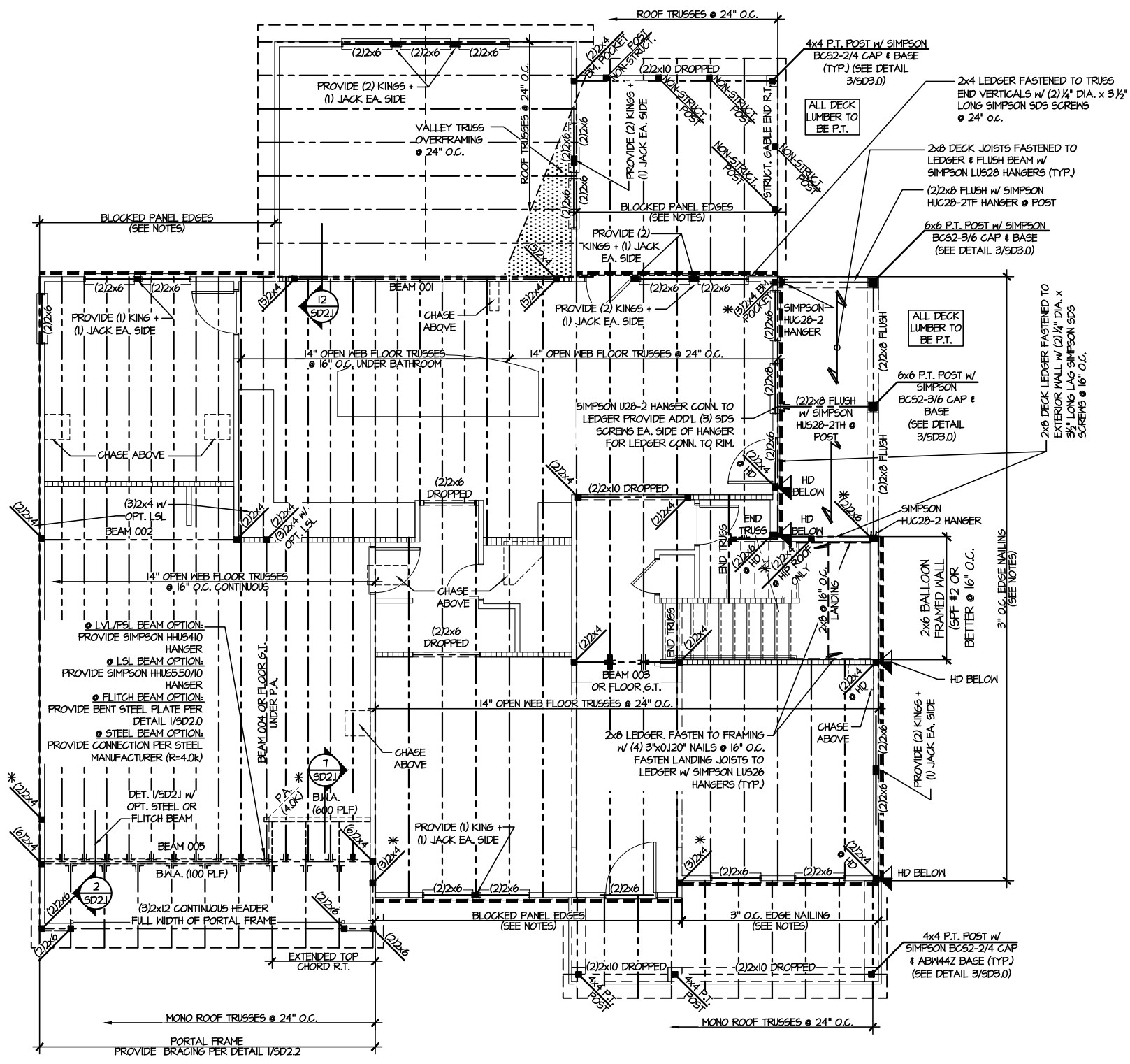
FLOOR FRAMING PLANS  
**BLAKE POND**  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet:  
**S3.0**

**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	M2x14 - D
002	(2)3/4"x17/8" - D	3/2"x17/8" - D	(3)3/4"x17/8" - D	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - D	M2x14 - D
003	(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	M2x14 - 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	M2x14 - F
005	(3)3/4"x10" - FT	5/4"x10" - FT	N/A	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - F	M2x26 - F
006	(3)3/4"x10" - FT	5/4"x10" - FT	N/A	(3)2x12 + (2) 3/4"x11/8" STEEL FLITCH PLATES - F	M2x26 - 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	M2x14 - F
008	(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	M2x14 - F
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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"x17/8" - D	3/2"x17/8" - D	(3)3/4"x17/8" - D	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - D	M2x14 - D
012	(3)3/4"x16" - D	5/4"x16" - D	(4)3/4"x16" - D	(3)2x12 + (2) 1/2"x11/8" STEEL FLITCH PLATES - D	M2x14 - D
013	(2)3/4"x17/8" - D	3/2"x17/8" - D	(3)3/4"x17/8" - D	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - D	M2x14 - 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	M2x14 - D
05**	(3)3/4"x17/8" - D	N/A	(3)3/4"x17/8" - D	(3)2x12 + (2) 1/4"x11/8" STEEL FLITCH PLATES - D	M2x14 - D
016	(2)3/4"x17/8" - F	3/2"x17/8" - F	(3)3/4"x17/8" - F	(2)2x12 + (1) 1/4"x11/8" STEEL FLITCH PLATES - F	M2x14 - 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

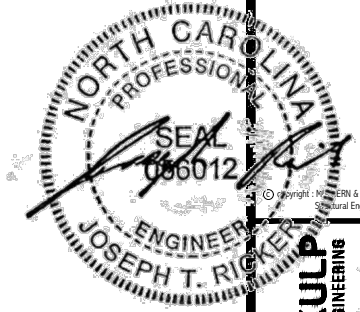


**SD2.1 REFERS TO SD2.1A FOR LVL/PSL/LSL BEAMS OR SD2.1B FOR FLITCH BEAMS OR SD2.1C FOR STEEL BEAMS**

**LEGEND**

- (dashed line) INTERIOR BEARING WALL
- (dotted line) BEARING WALL ABOVE
- (solid line) BEAM / HEADER
- (dash-dot line) INDICATES SHEAR WALL & EXTENT
- (stippled area) EXTENT OF OVERFRAMING
- (triangle) J.L. METAL HANGER
- (asterisk) INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR LAMB ABOVE.
- (arrow) INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

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



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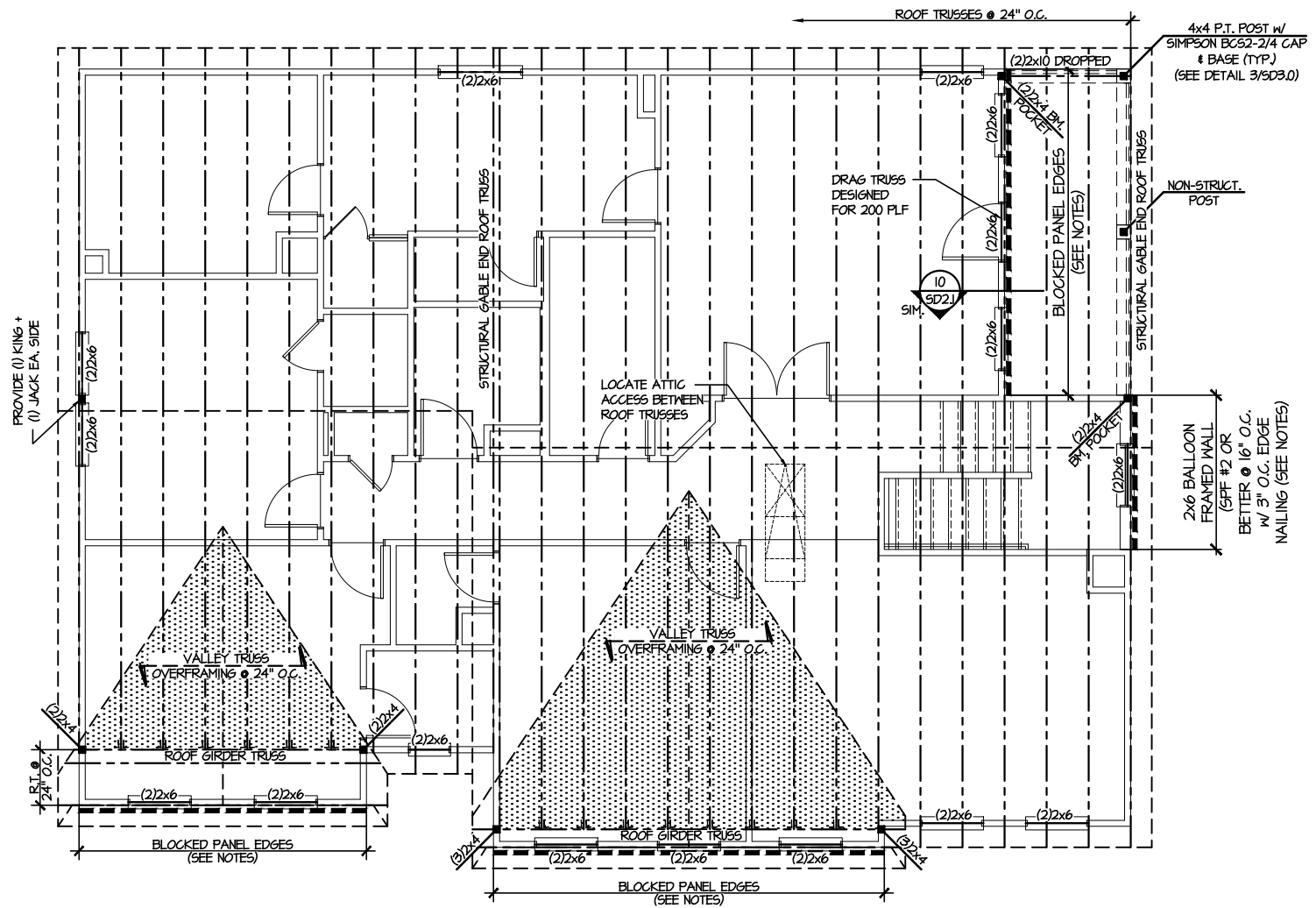
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126-23061  
project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24

REVISIONS:  
date: initial:

**DRB**  
**HOMES**

ROOF FRAMING PLANS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

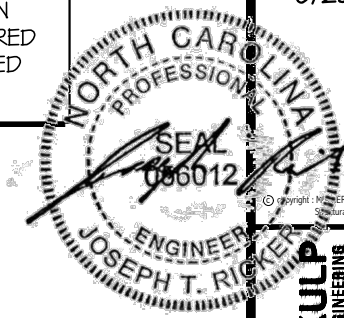
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**1 ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

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

REFER TO 50.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES



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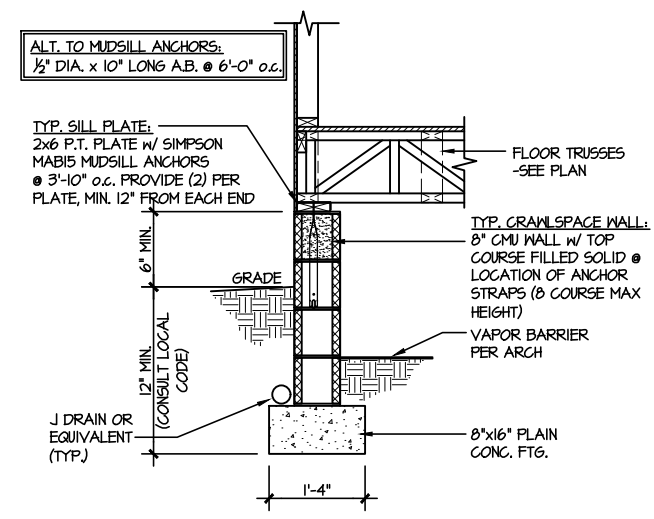
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**HOMES**

FOUNDATION DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

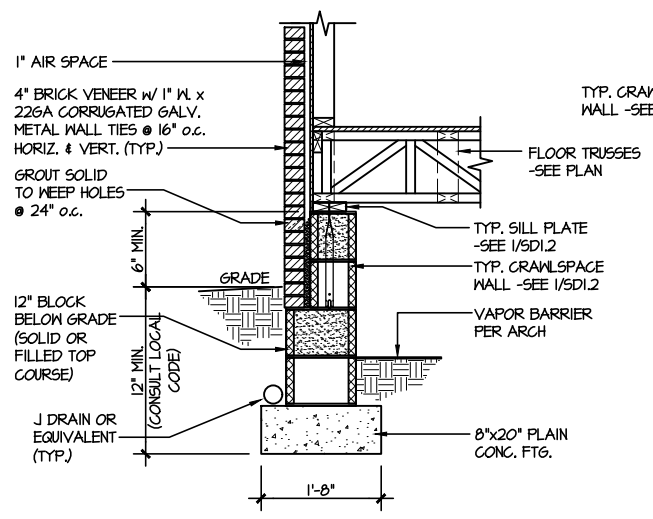
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**SD1.2**

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

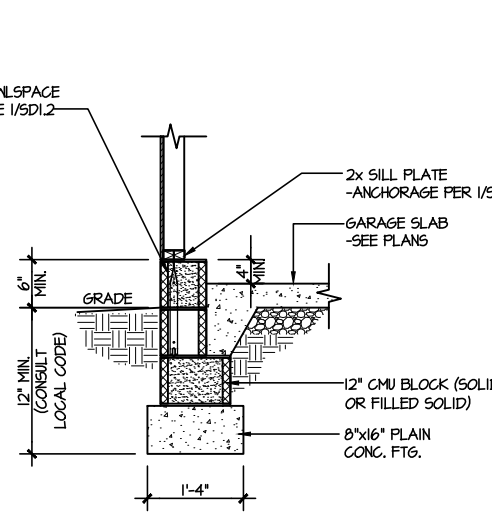
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



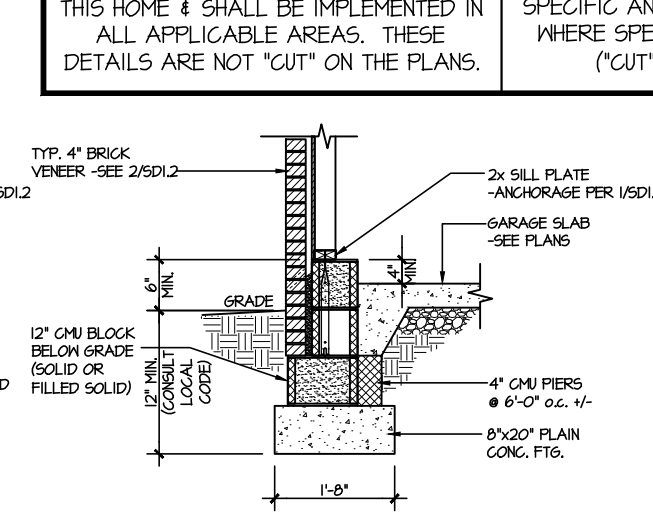
1 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"



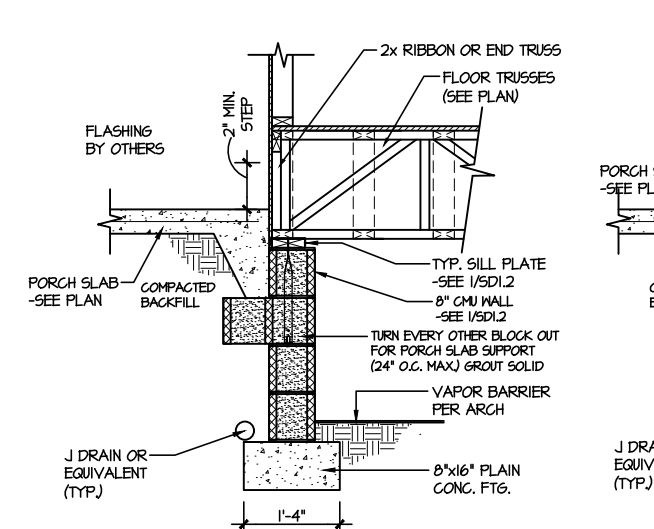
2 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



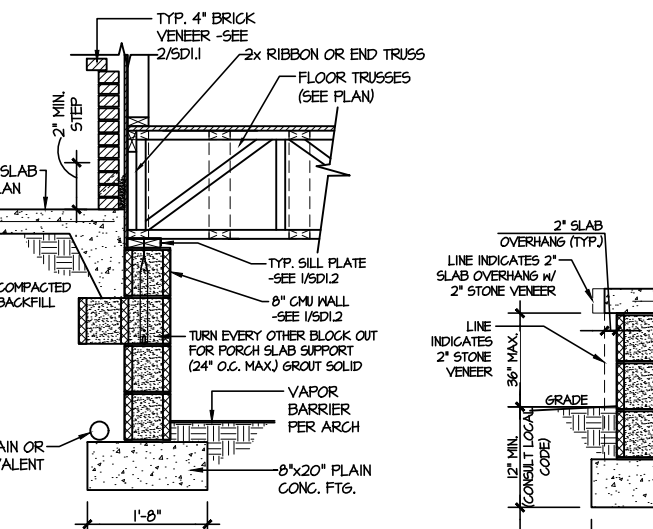
3 TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0"



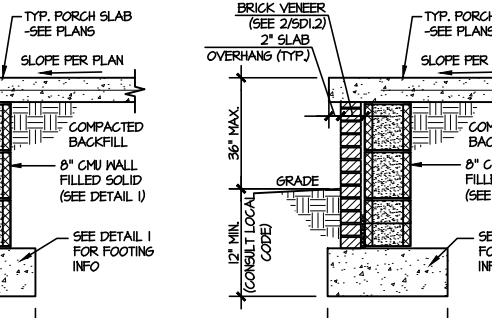
4 TYPICAL GARAGE FOUNDATION  
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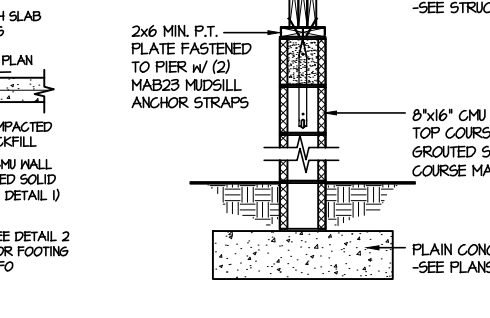
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0"  
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



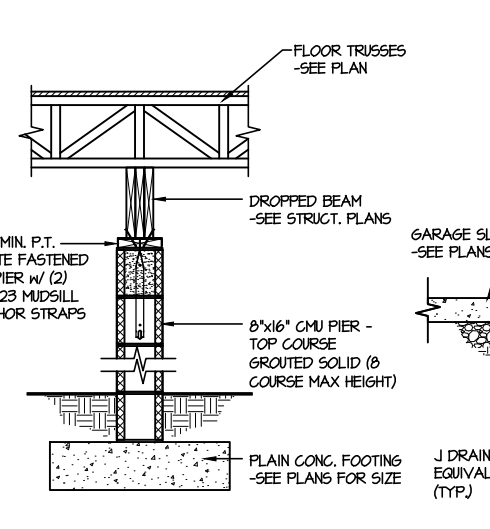
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



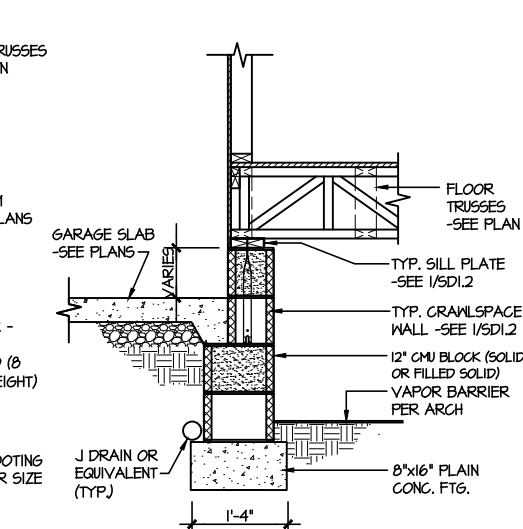
7A TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0"



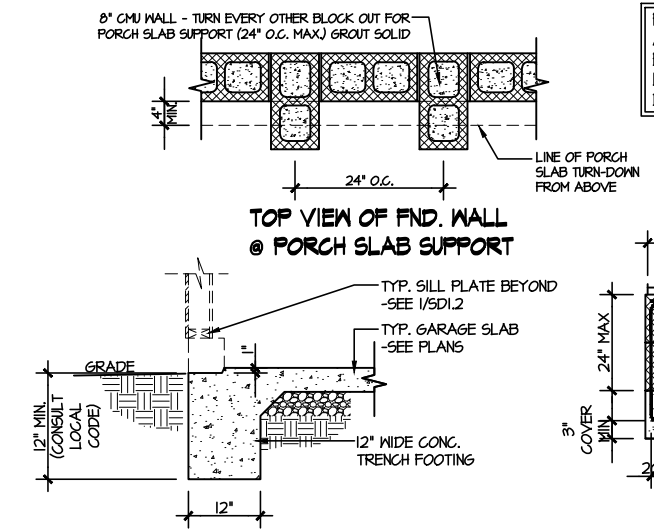
7B TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



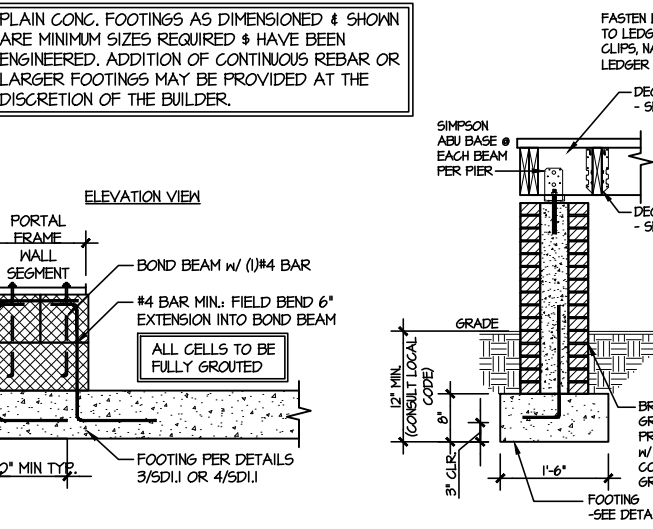
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER  
SCALE: 3/8"=1'-0"



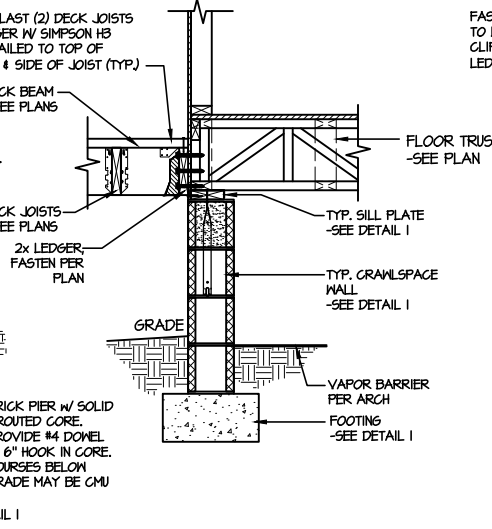
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE  
SCALE: 3/8"=1'-0"



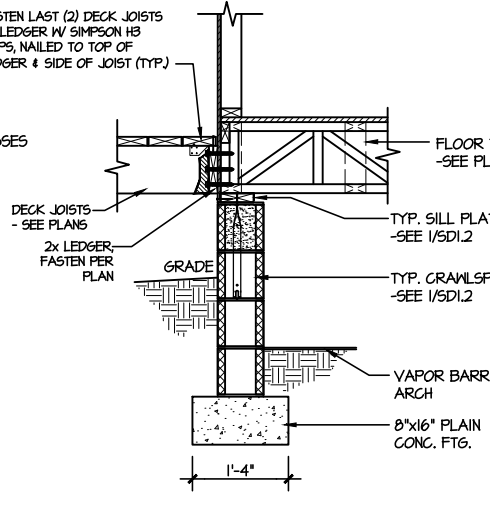
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



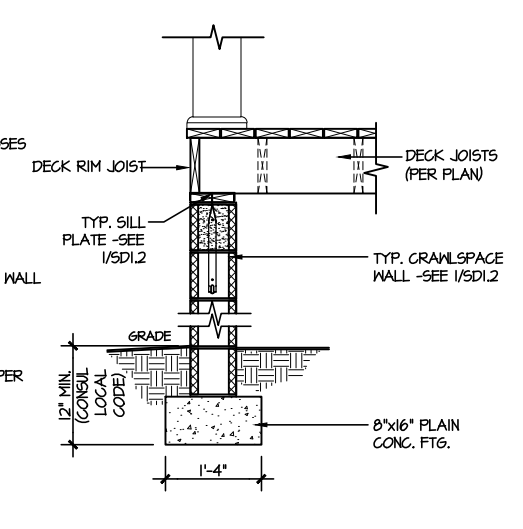
A GARAGE PORTAL FRAME STEM WALL REINFORCEMENT  
SCALE: 3/8"=1'-0"



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



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

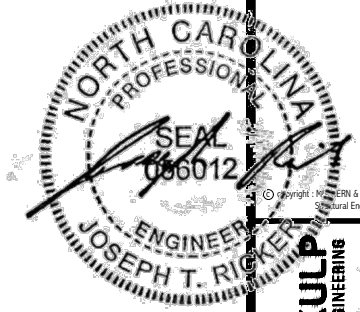


13 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK PERIMETER  
SCALE: 3/8"=1'-0"

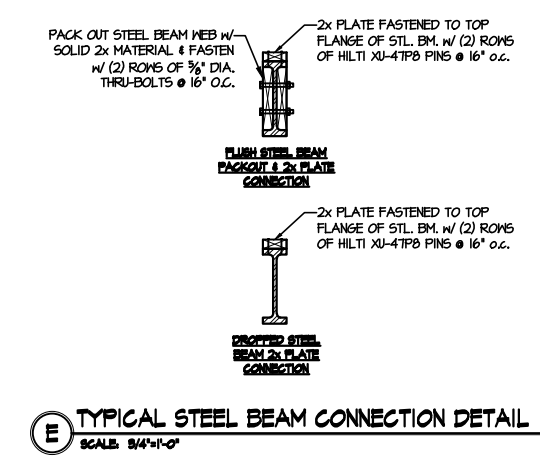
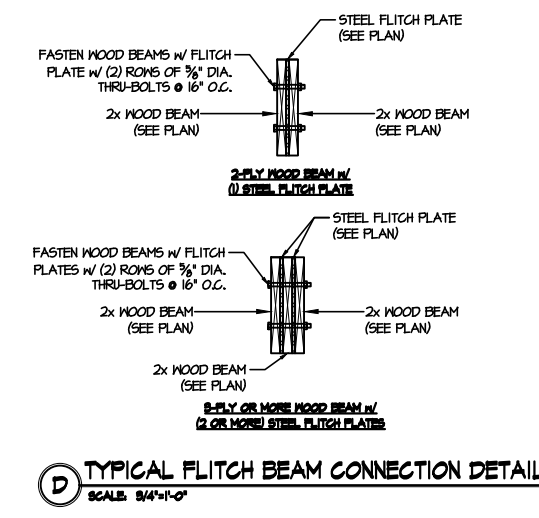
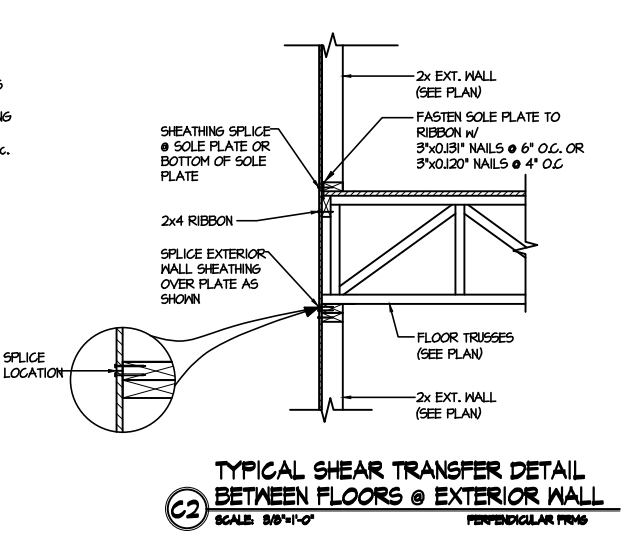
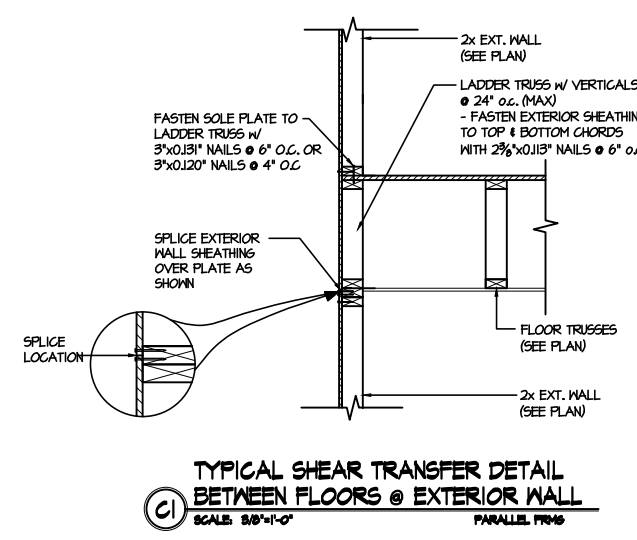
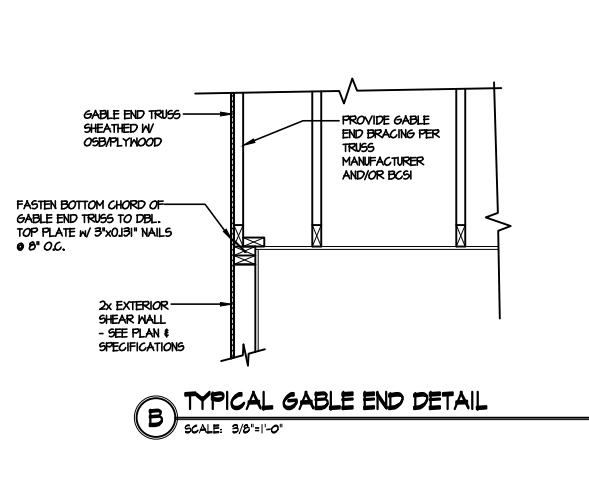
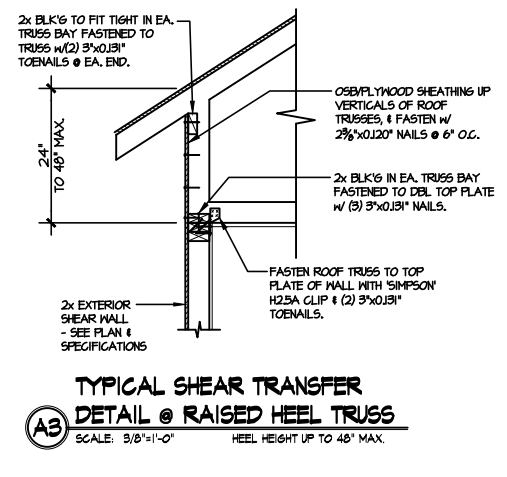
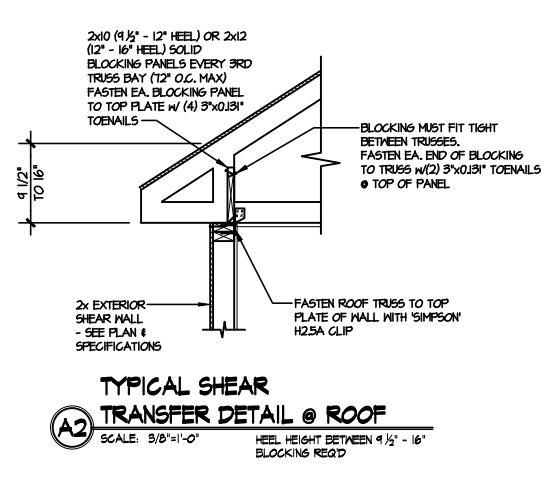
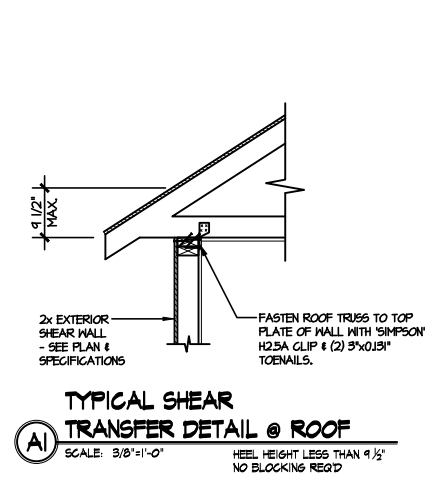
PLAIN CONC. FOOTINGS AS DIMENSIONED & SHOWN ARE MINIMUM SIZES REQUIRED & HAVE BEEN ENGINEERED. ADDITION OF CONTINUOUS REBAR OR LARGER FOOTINGS MAY BE PROVIDED AT THE DISCRETION OF THE BUILDER.

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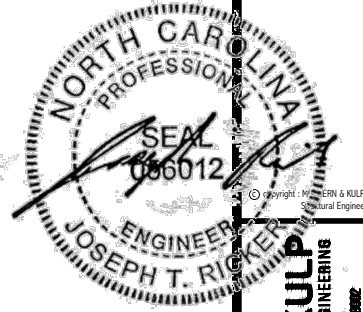
LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

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

**DRB HOMES**

FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet: **SD2.0**



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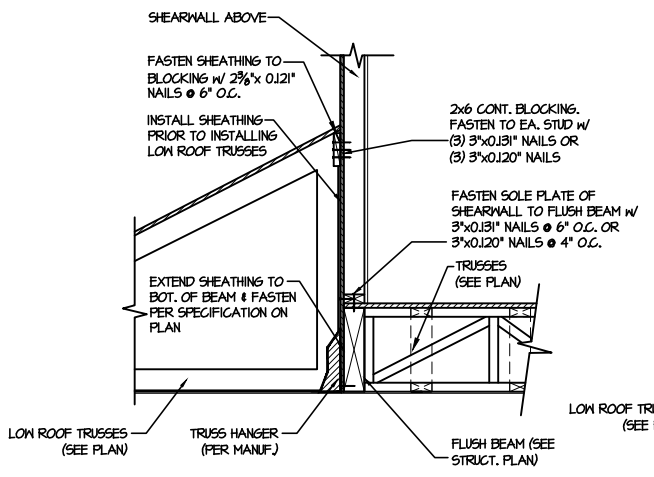
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project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24

REVISIONS:  
date: initial:

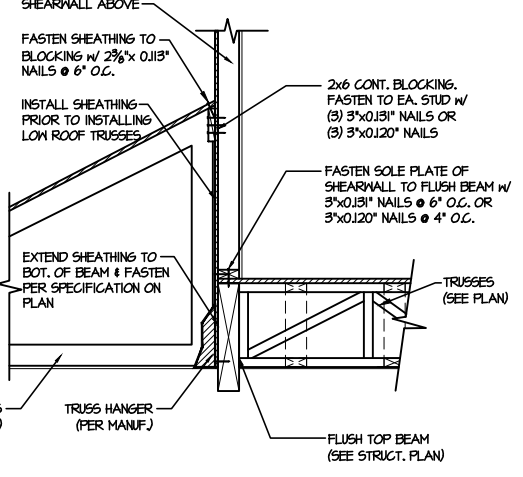
DRB  
HOMES

FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

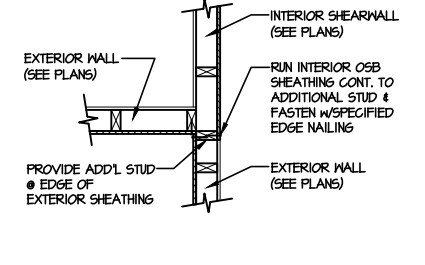
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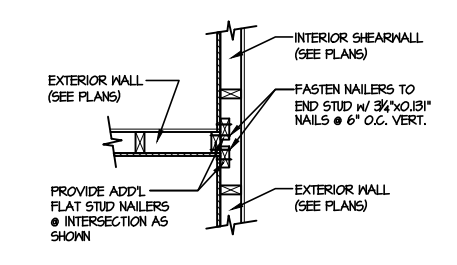
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



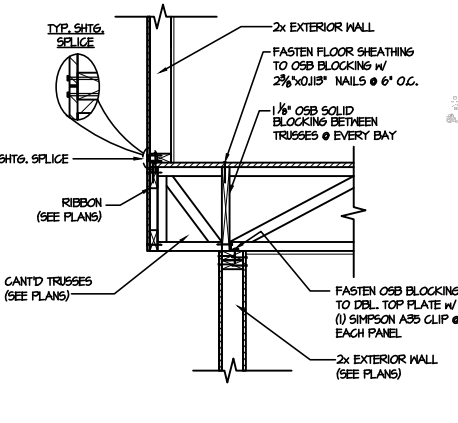
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
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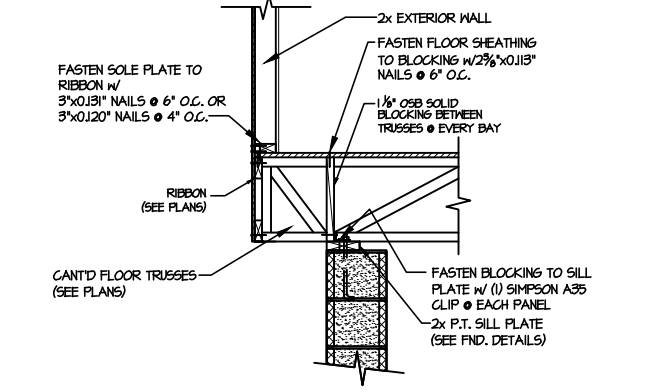
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. OPPOSITE FACES



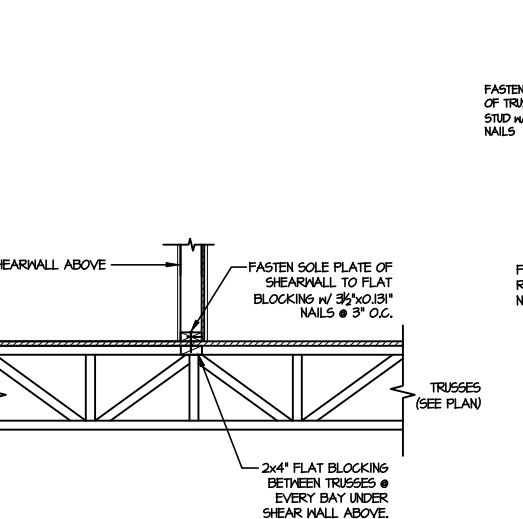
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



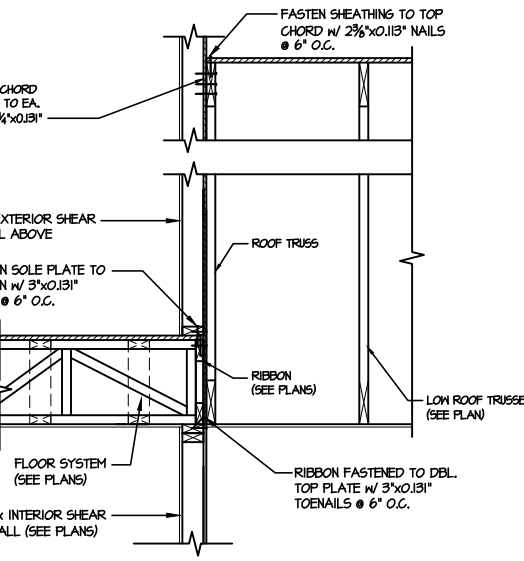
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



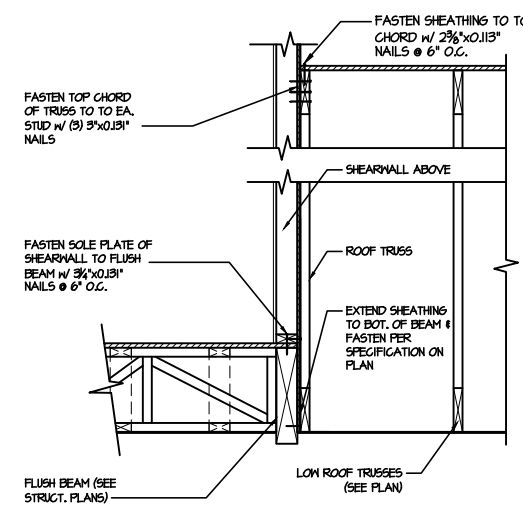
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



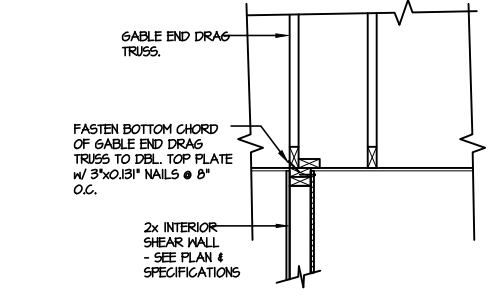
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



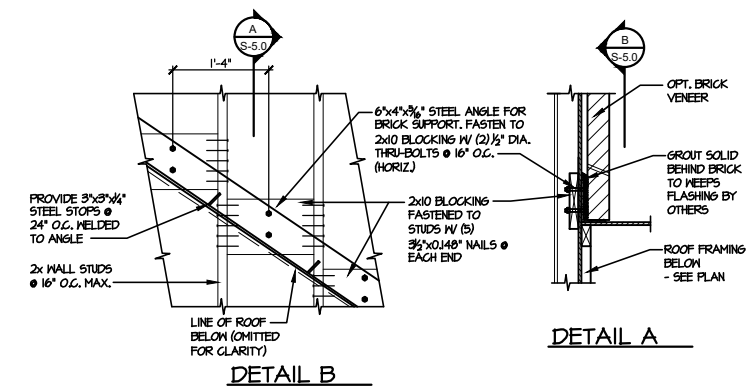
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



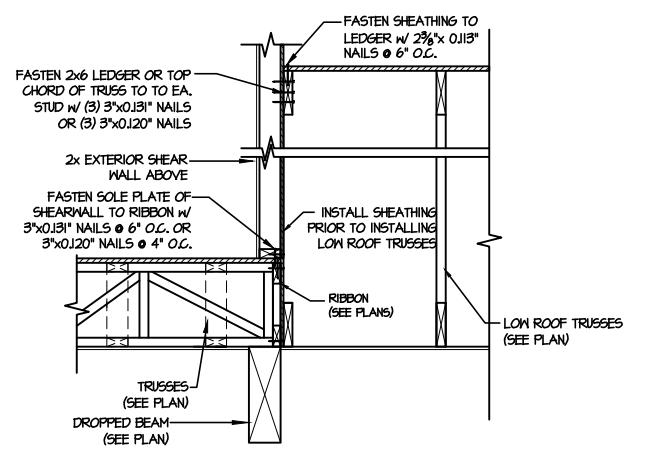
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



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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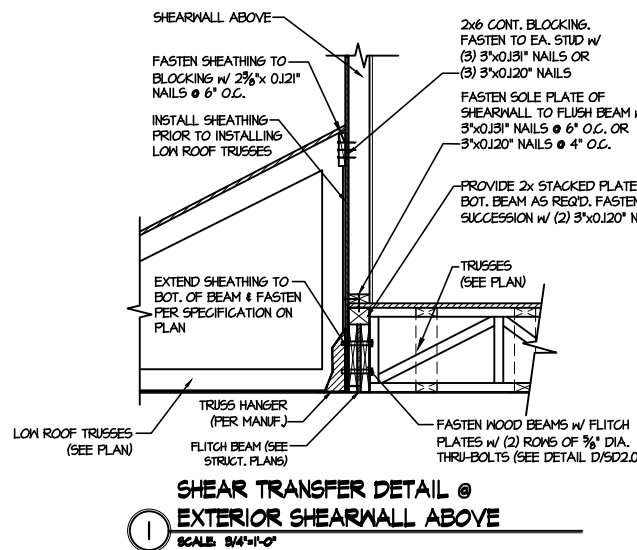
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project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24

REVISIONS:  
date: initial:

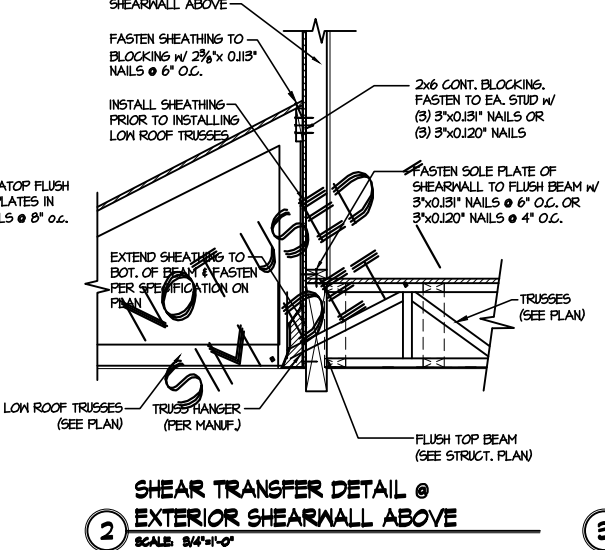
DRB  
HOMES

FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

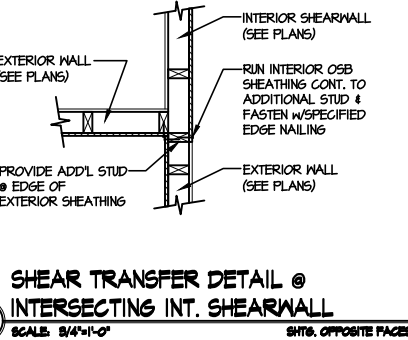
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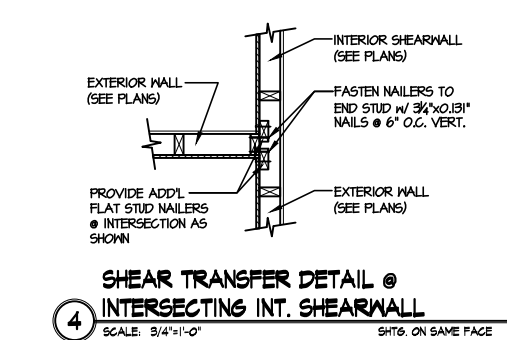
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



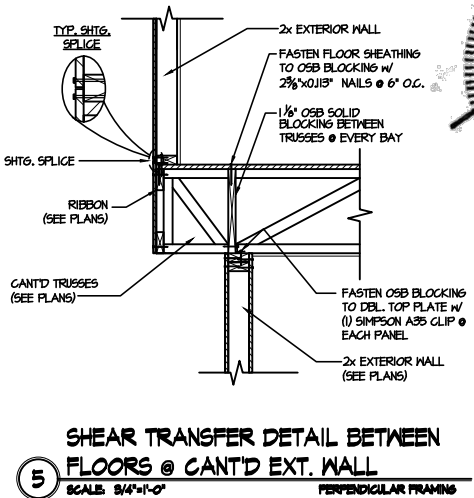
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
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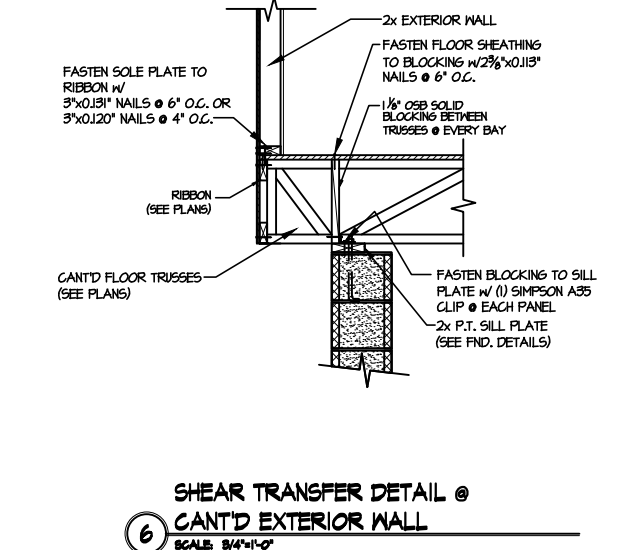
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



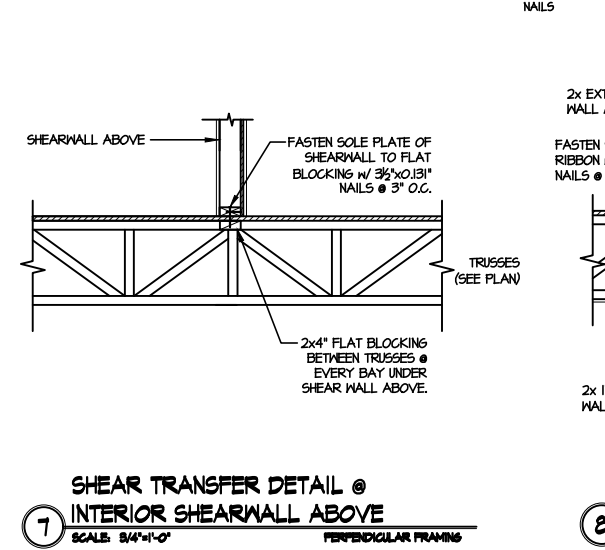
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



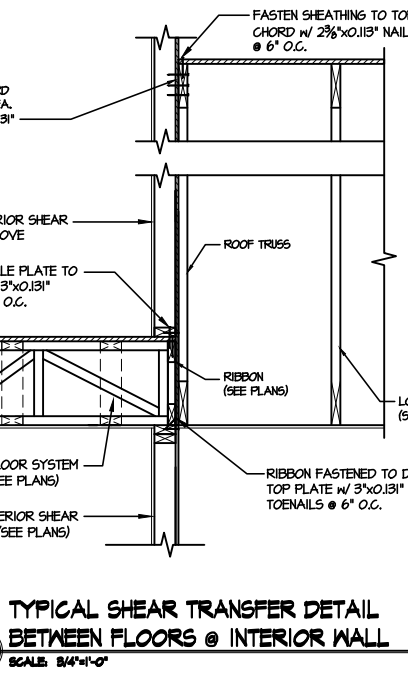
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



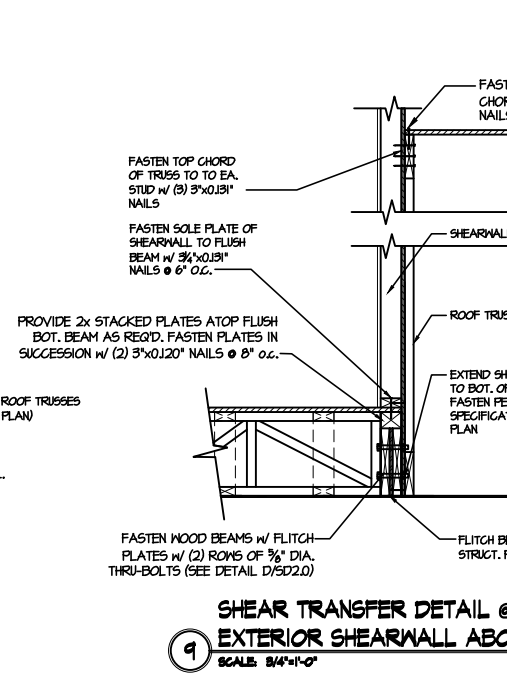
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
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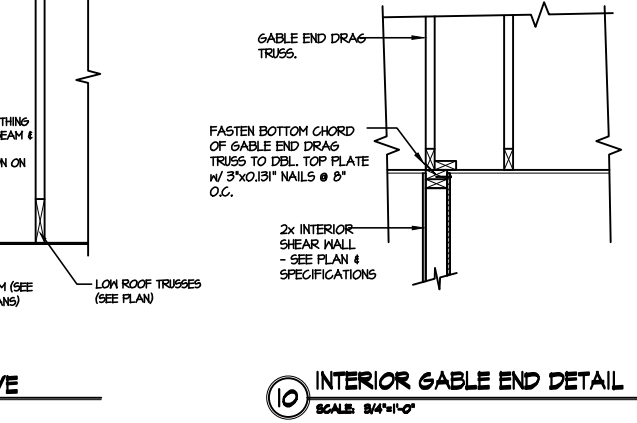
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



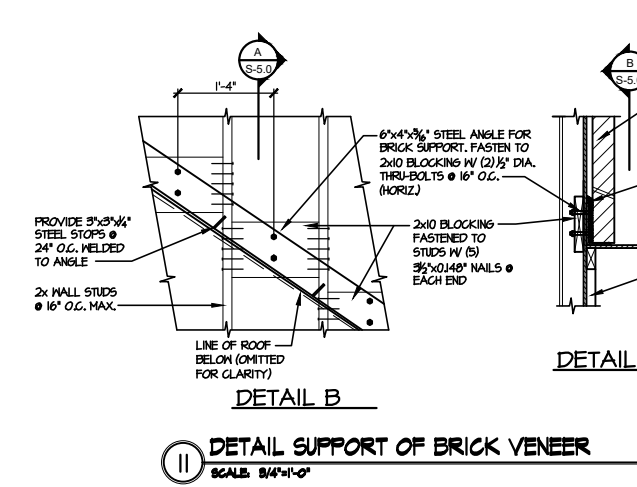
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



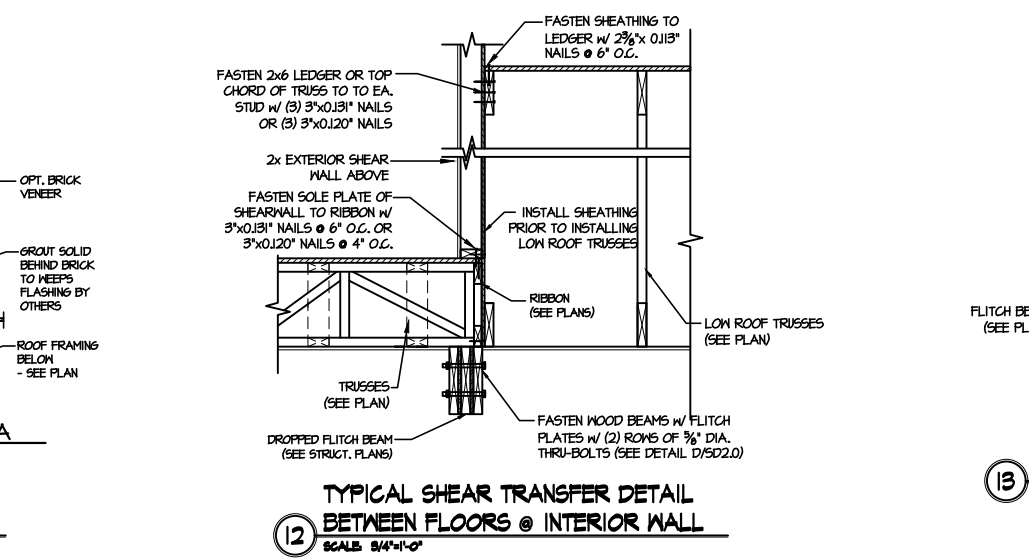
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
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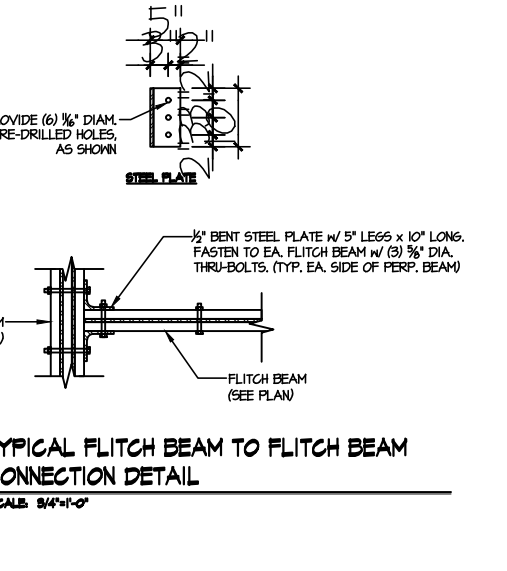
10 INTERIOR GABLE END DETAIL  
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11 DETAIL SUPPORT OF BRICK VENEER  
SCALE: 3/4"=1'-0"

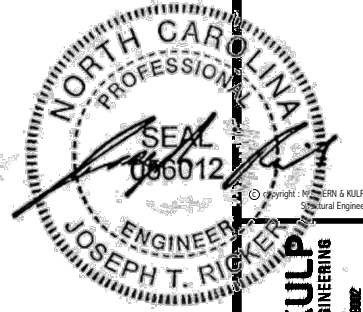


12 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



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

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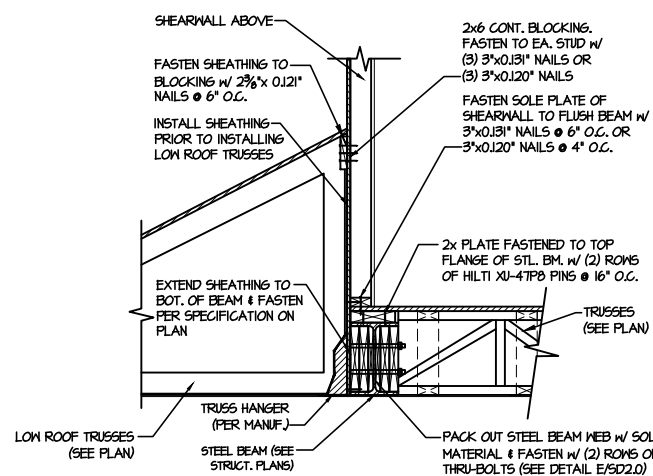
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project mgr: JTR  
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issue date: 06-25-24

REVISIONS:  
date: initial:

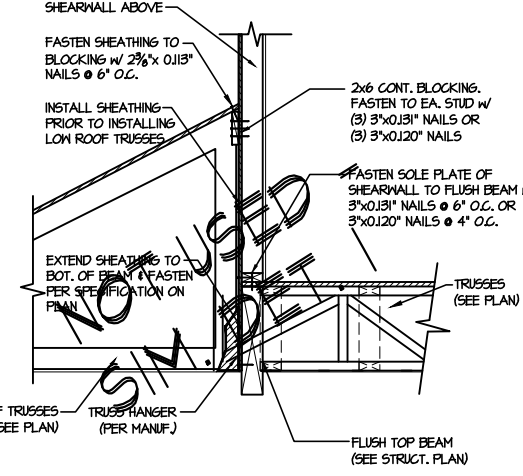
**DRB HOMES**

FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

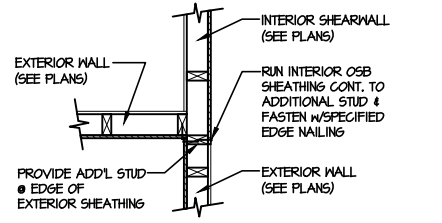
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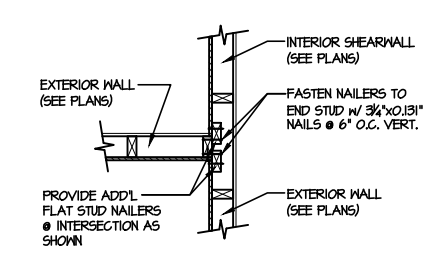
**1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**  
SCALE: 3/4"=1'-0"



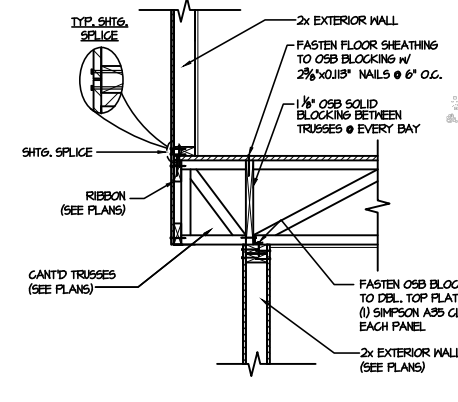
**2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**  
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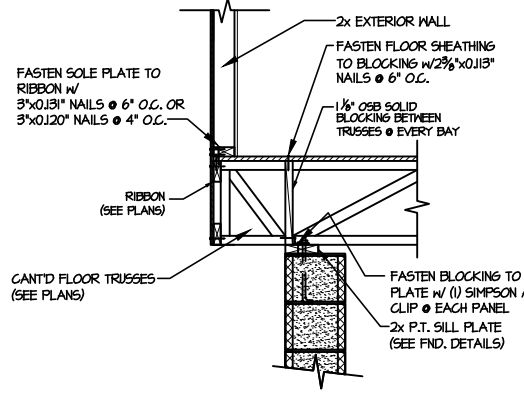
**3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL**  
SCALE: 3/4"=1'-0" SHTS. OPPOSITE FACES



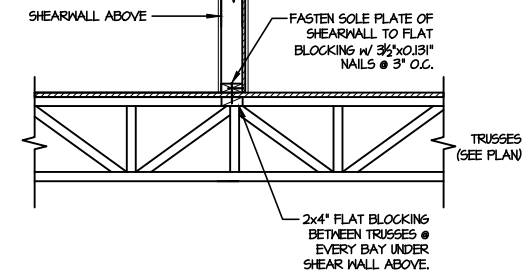
**4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL**  
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



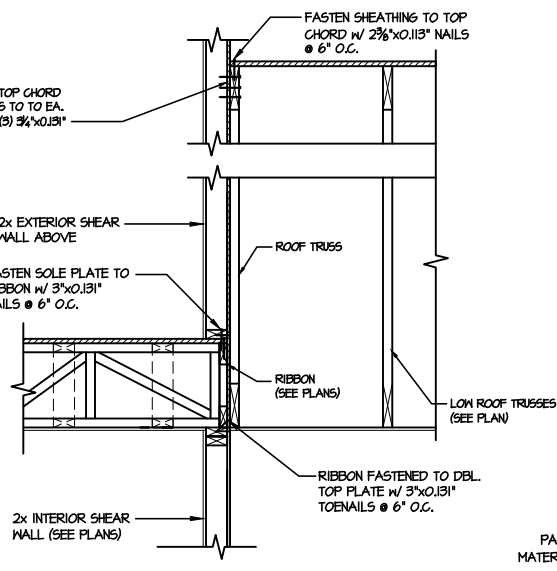
**5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL**  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



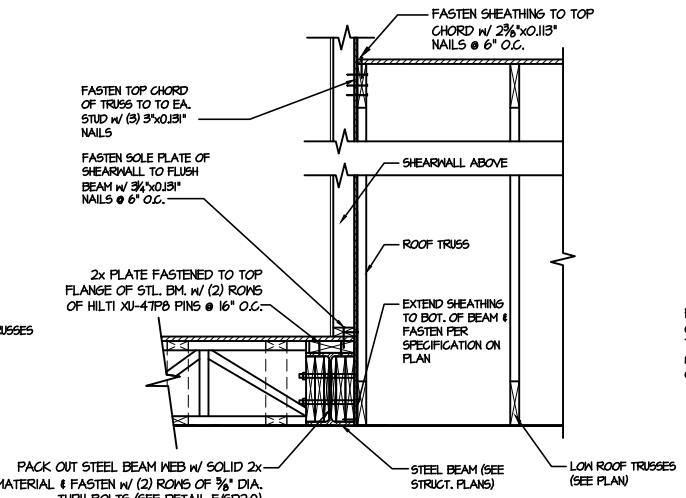
**6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL**  
SCALE: 3/4"=1'-0"



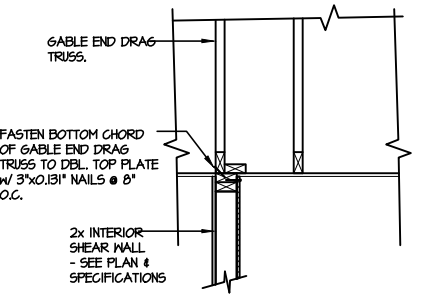
**7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE**  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



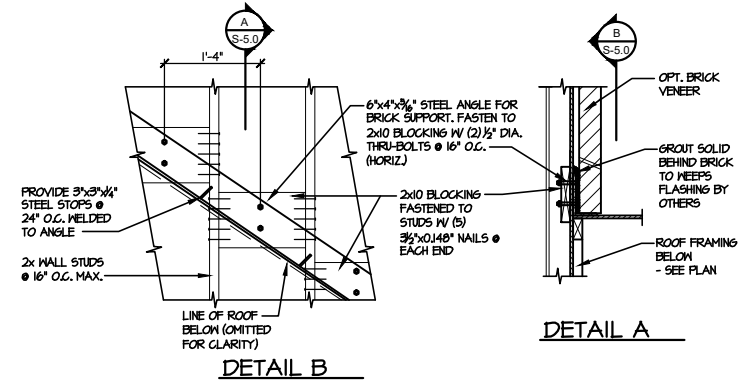
**8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL**  
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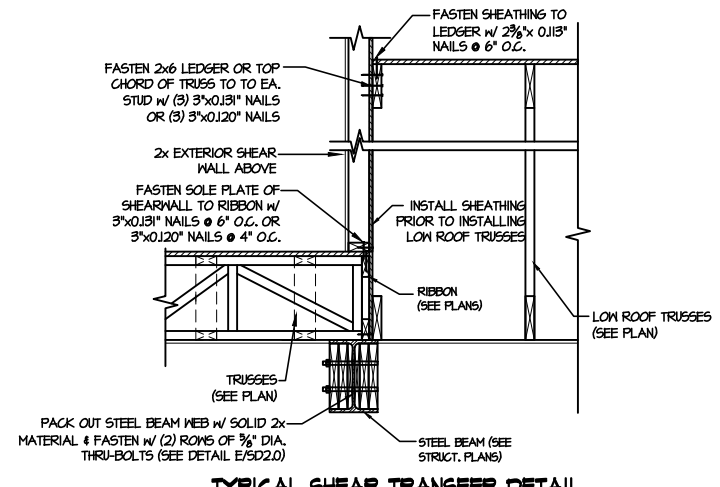
**9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**  
SCALE: 3/4"=1'-0"



**10 INTERIOR GABLE END DETAIL**  
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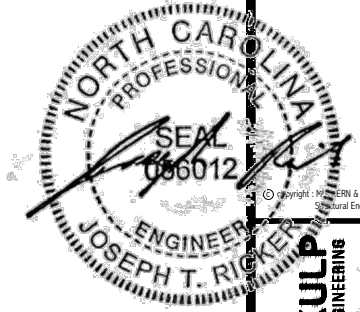


**11 DETAIL SUPPORT OF BRICK VENEER**  
SCALE: 3/4"=1'-0"



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

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NC LICENSE #C-3825

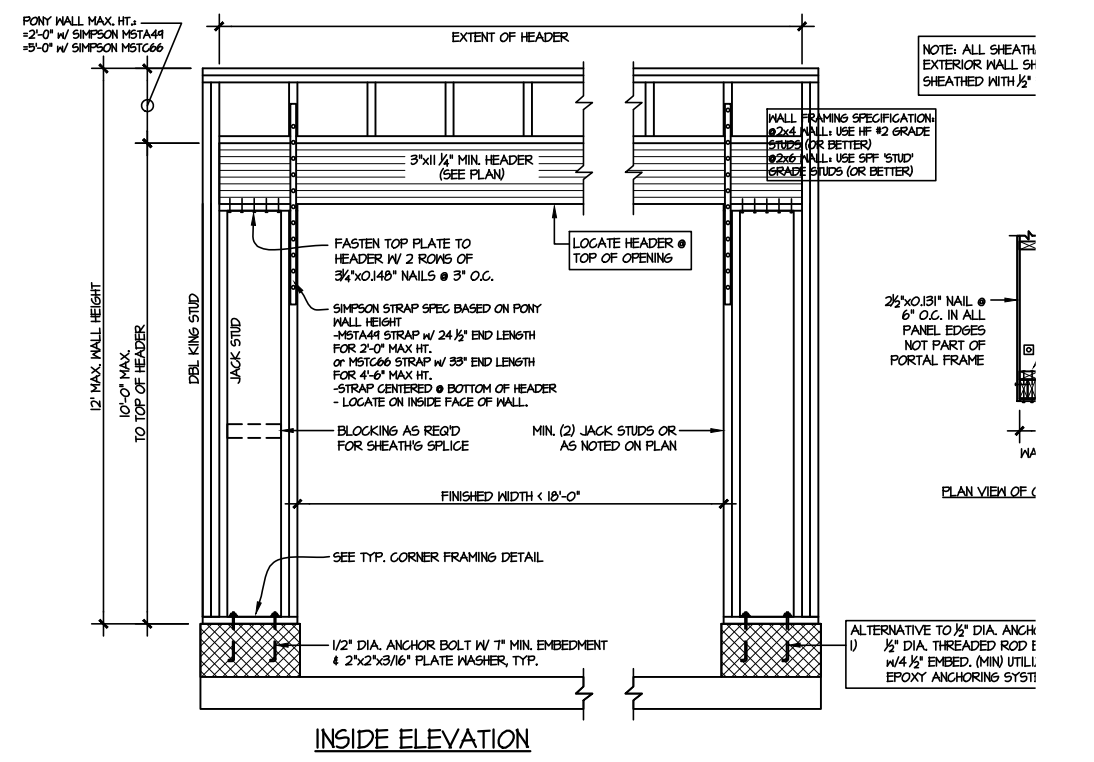
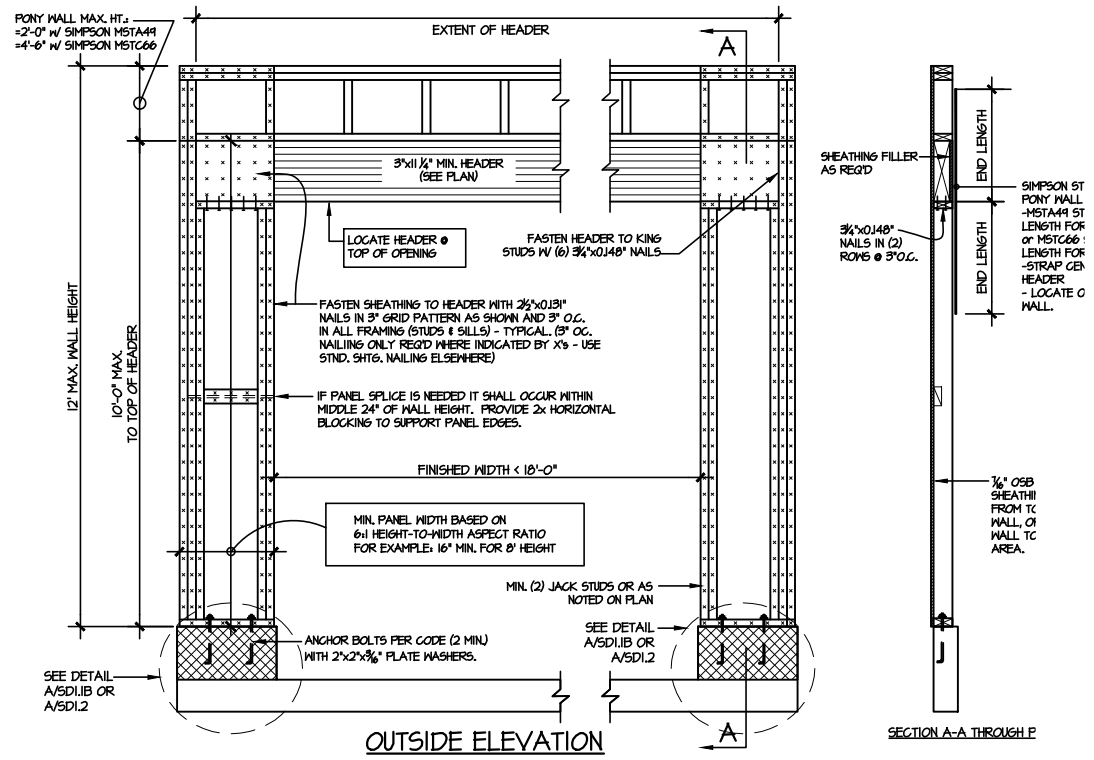


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126-23061  
project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24  
REVISIONS:  
date: initial:

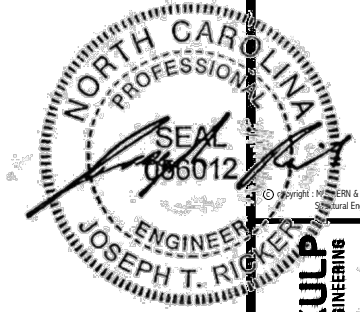
**DRB HOMES**

FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet:  
**SD2.2**



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



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
300 Duneside Ave., Building 4 - Ashebor, PA 15022  
P: 715-949-3281 - mulhern+kulp.com  
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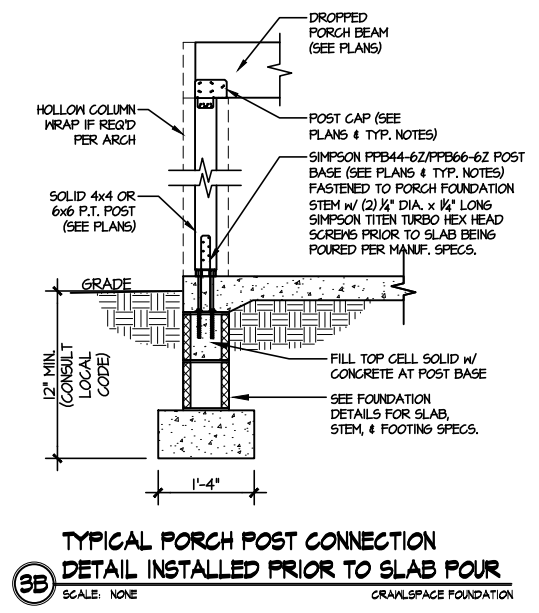
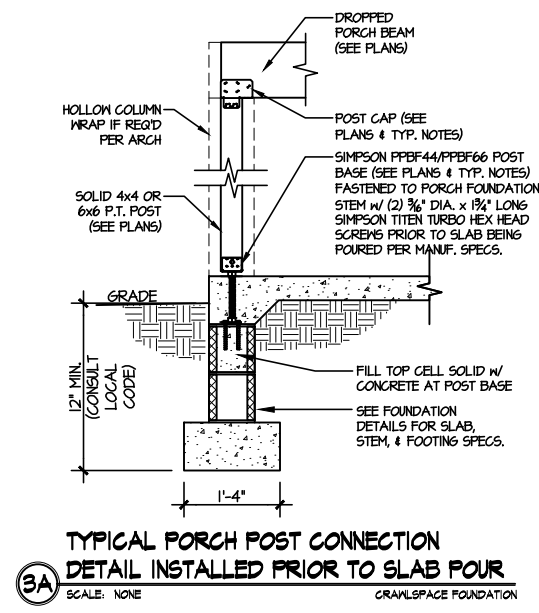
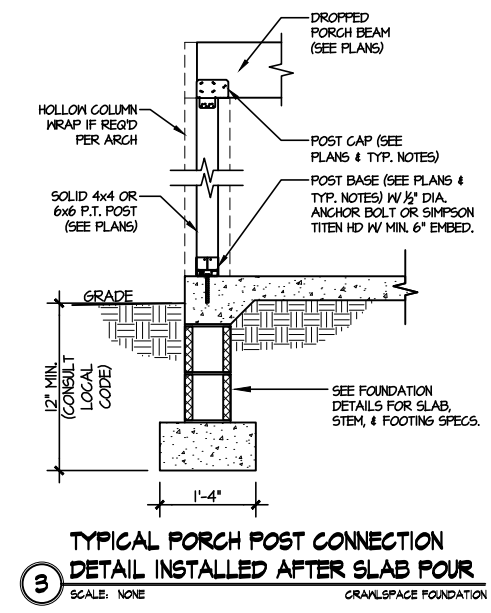
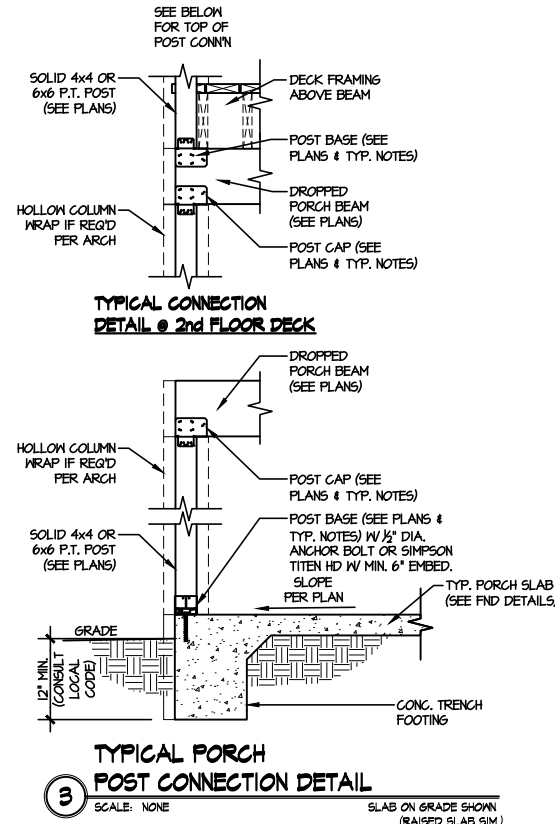
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project mgr: JTR  
drawn by: SJF  
issue date: 06-25-24

REVISIONS:  
date: initial:

**DRB**  
**HOMES**

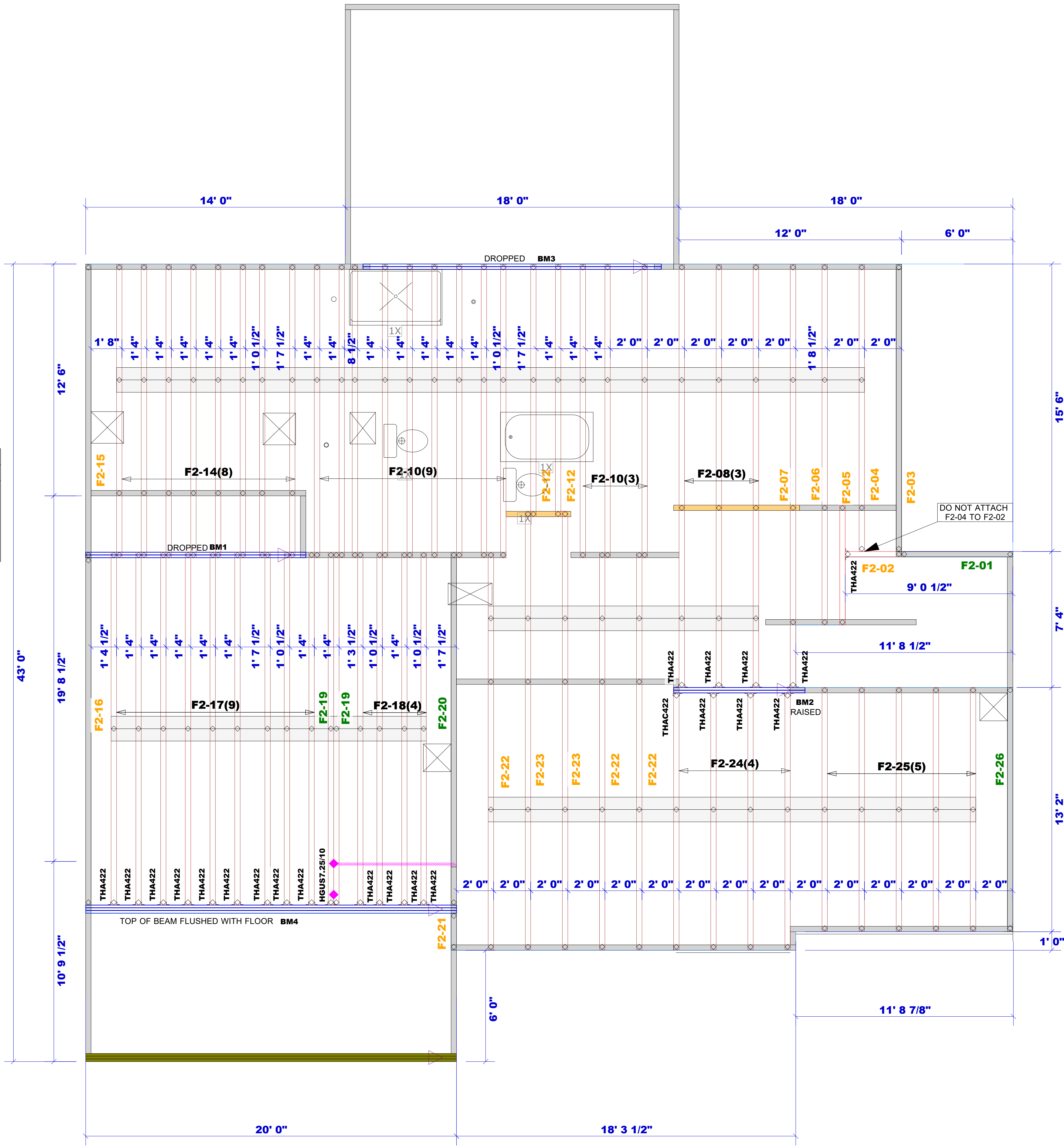
FRAMING DETAILS  
BLAKE POND  
LOT 108 - STONEFIELD I  
RALEIGH, NC

sheet:  
**SD3.0**



Fab Type	Net Qty	Plies	Products	Product	Length	PlotID
MFD	2	2	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP	12-0-0	BM1	
MFD	2	2	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	8-0-0	BM2	
MFD	2	2	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	17-0-0	BM3	
MFD	3	3	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	20-0-0	BM4	
MFD	3	3	1 3/4" x 9 1/4" Generic Material	20-0-0	BM2	

Truss Connector Total List		
Qty	Product	Manuf
1	HGUST.25/10	
21	THA422	Simpson
1	THAC422	Simpson



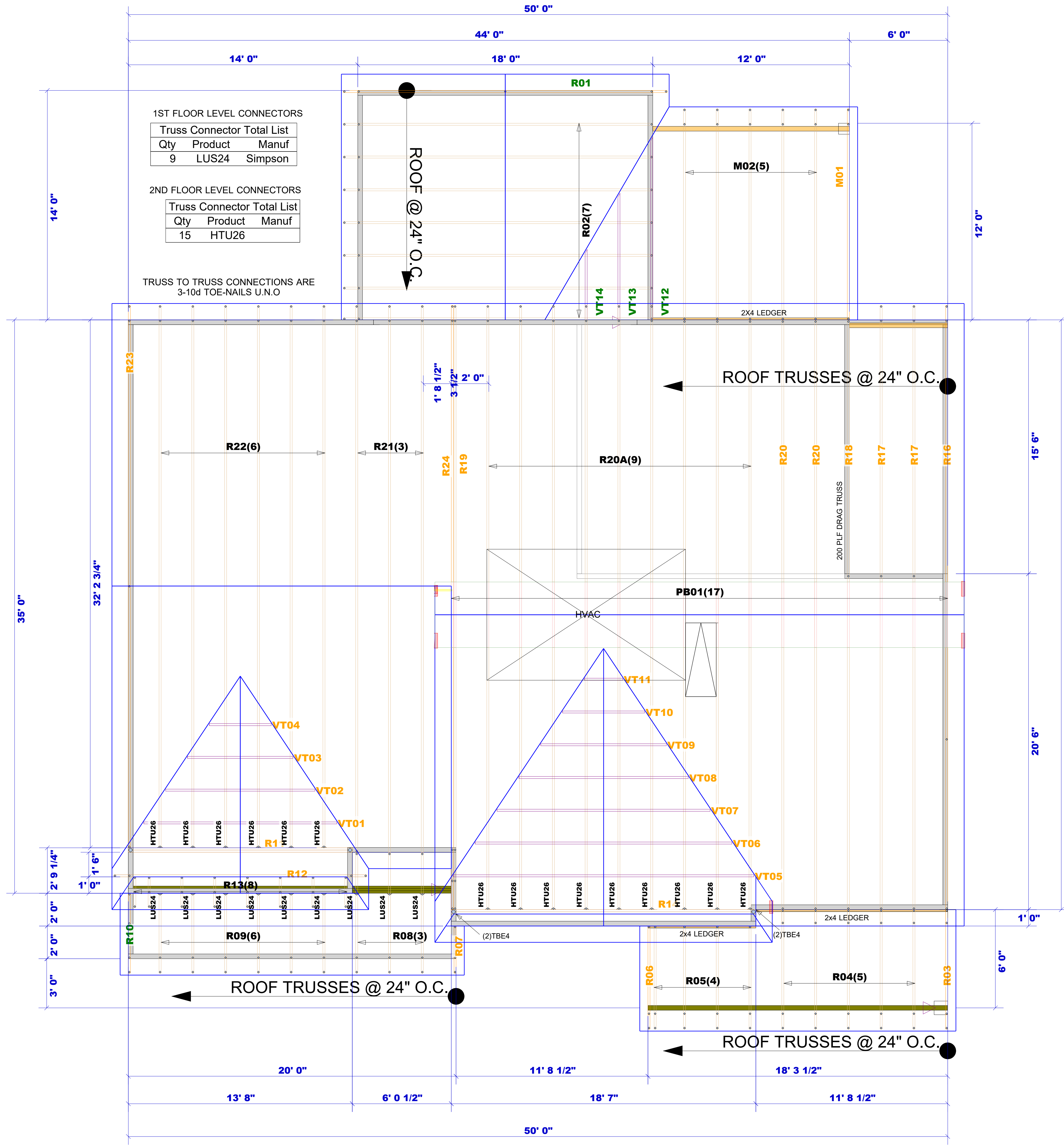
**FOR PERMIT**

Client: DRB GROUP-RALEIGH  
 Job: LOT 0.0108 BLAKE POND  
 Plan Information: STONEFIELD-1

NOT TO SCALE  
 Drawn By: BPT  
 Date: 1-11-17  
 Job #: 24-5444-F02  
 Sales Rep: KYLE GIBSON  
 Phone: 843-729-3249



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



**FOR PERMIT**

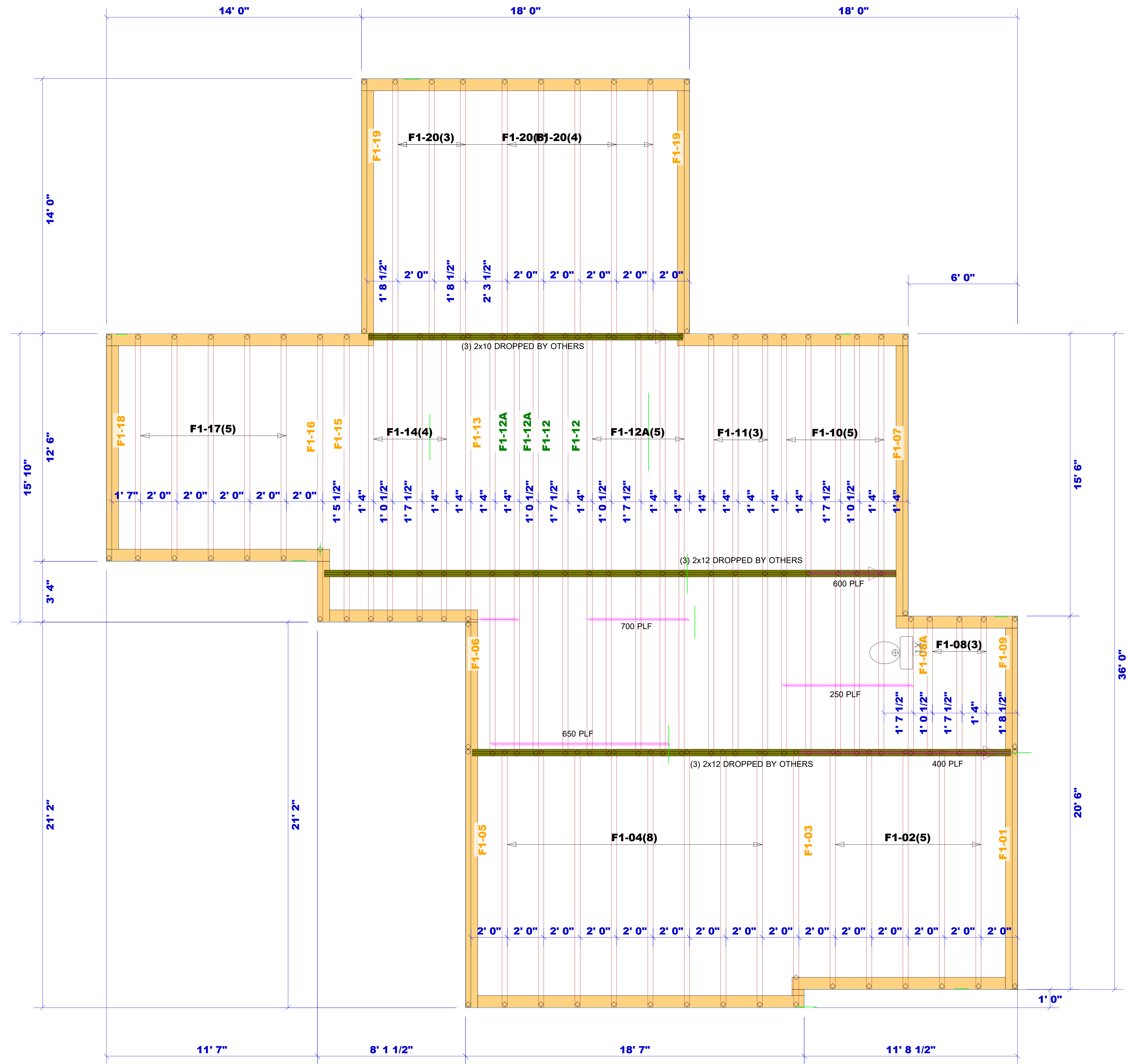
Client: DRB GROUP-RALEIGH  
 Job: LOT 0.0108 BLAKE POND  
 Plan Information: STONEFIELD-1

ROOF

NOT TO SCALE  
 Drawn By: BPT  
 Date: 1-11-17  
 Job #: 24-5444-R01  
 Sales Rep: KYLE GIBSON  
 Phone: 843-729-3249







▲ = LEFT END OF TRUSS

FOR PERMIT

Client: DRB GROUP-RALEIGH	
Job: LOT 0.0108 BLAKE POND	
Plan Information: STONEFIELD-1	
NOT TO SCALE	Date: 06/17/24
Drawn By: BPT	Sales Rep: KYLE GIBSON
	Phone: 864-304-3282

REVISIONS:



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

FLOOR

**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.