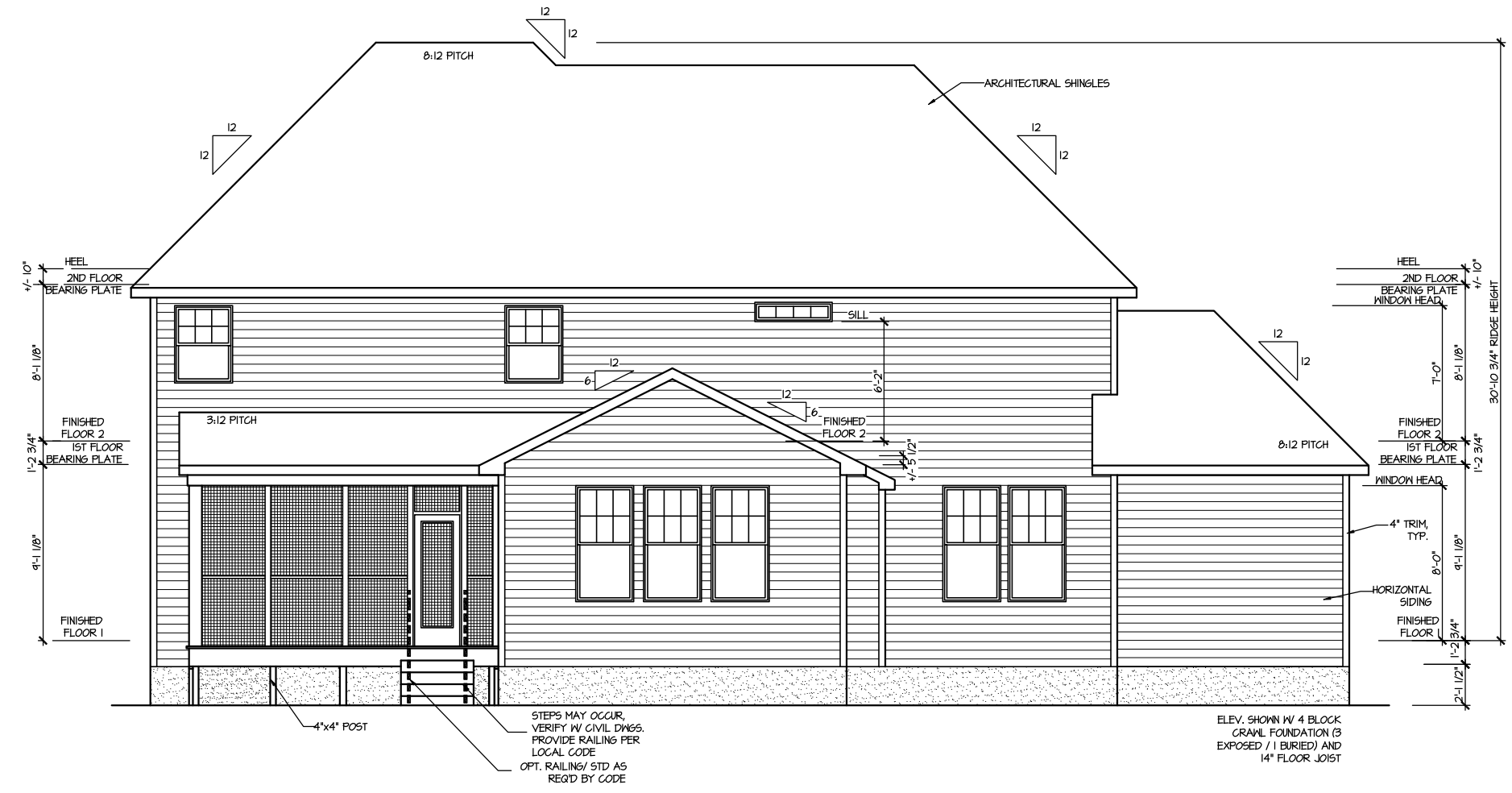


**FRONT ELEVATION 7**  
SCALE: 1/8" = 1'-0"



**REAR ELEVATION 7**  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

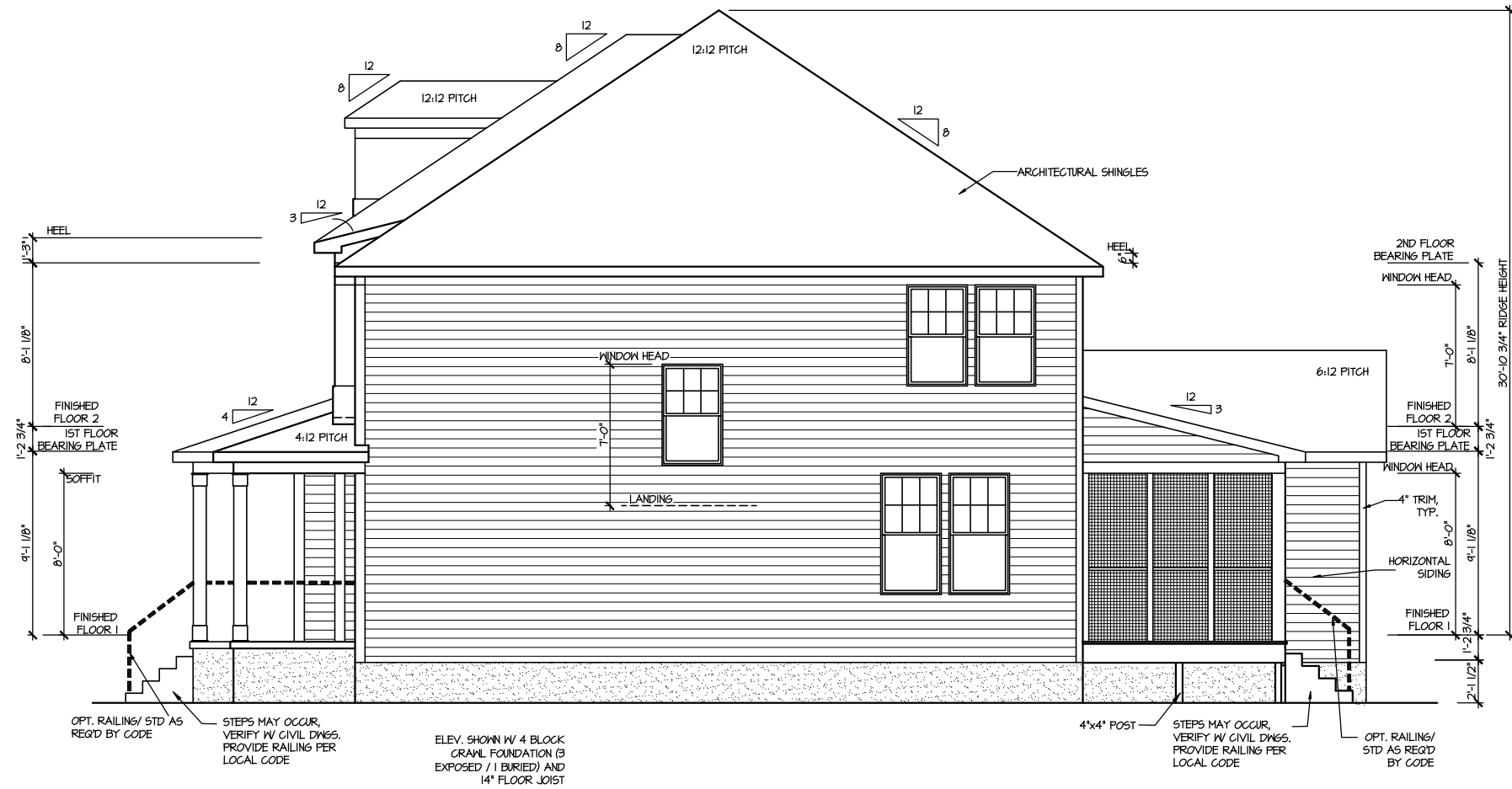
MASTER PLAN INFORMATION	
REVISION	DATE
3-RALE	07-31-2024
UPDATED DATE	09-12-2024

DRAWN BY:	ITS
DATE:	09/26/2024
PLAN NO.	1635

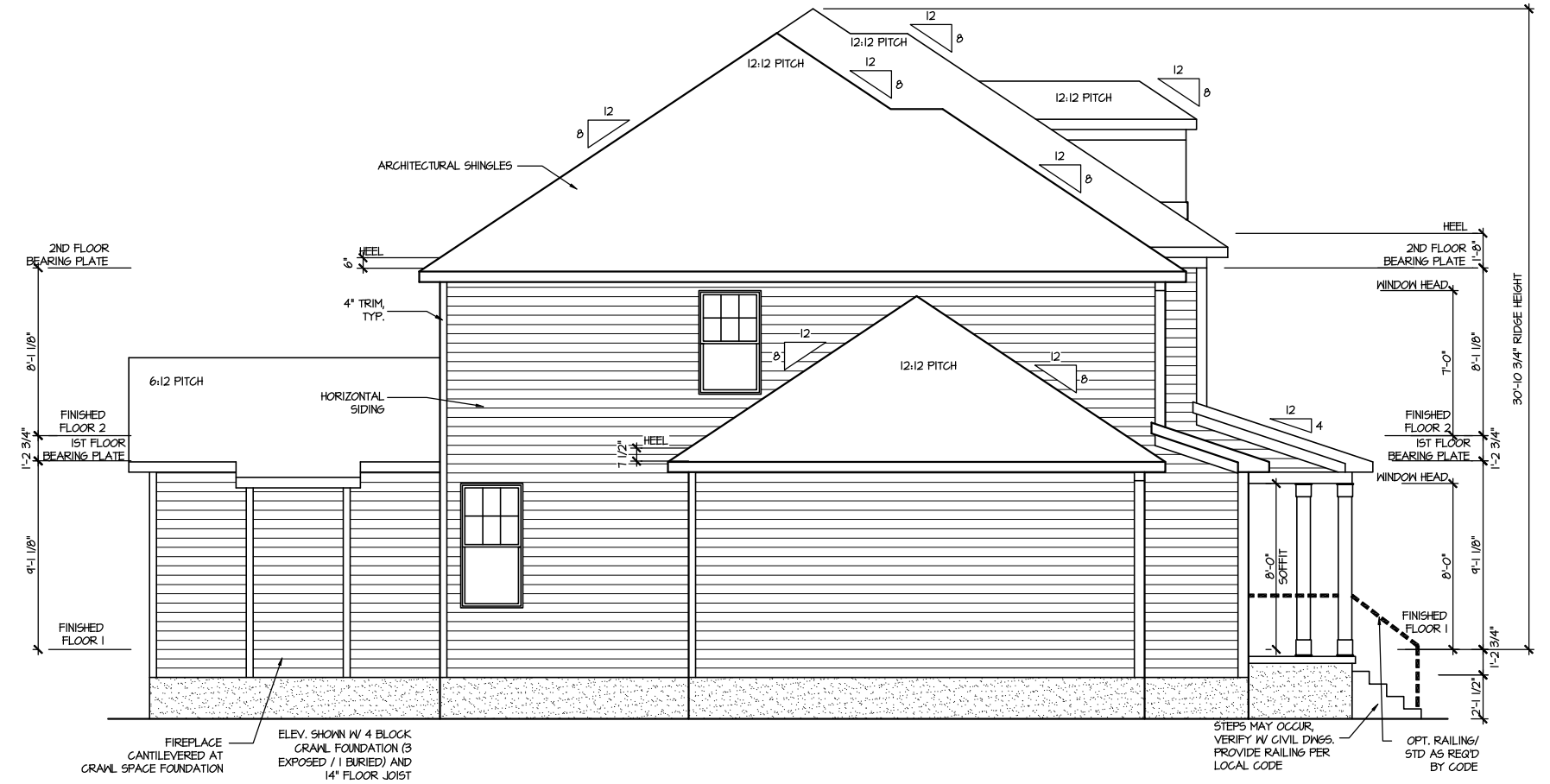


HOUSE NAME:  
**STONEFIELD**  
DRAWING TITLE  
**FRONT & REAR ELEVATIONS**

SHEET No.  
**A.1**



**RIGHT ELEVATION 7**  
SCALE: 1/8" = 1'-0"



**LEFT ELEVATION 7**  
SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

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

DRAWN BY: ITS  
DATE: 09/26/2024  
PLAN NO. 1635



HOUSE NAME: STONEFIELD  
DRAWING TITLE: RIGHT & LEFT ELEVATIONS

SHEET No. A1.2

ATTIC VENT CALCULATION FOR PLAN 'T'

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 1 = 1791 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 TO 150 = 11.94 SQ. FT.  
 1 TO 300 = 5.97 SQ. FT.  
 50% IN TOP THIRD = 2.98 SQ. FT. (1 TO 300)  
 NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT.  
 NET FREE AREA OF RIDGE VENT = 10 SQ. IN / LINEAR FT.

LOWER VENTING (BOTTOM 2/3 ROOF)  
 82 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 = 3 SQ. FT.  
 3 SQ. FT. AT 50%  
 (1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 3 = 45 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 TO 150 = 0.45 SQ. FT.  
 1 TO 300 = 0.23 SQ. FT.  
 50% IN TOP THIRD = 0.12 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 = 0.91 SQ. FT.  
 UPPER VENTING (TOP 1/3 ROOF)  
 9 LINEAR FEET OF RIDGE X 10 SQ. IN = 1 SQ. FT.  
 1 SQ. FT. AT 50%  
 (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 = 0.39 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 = 0.57 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)

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.

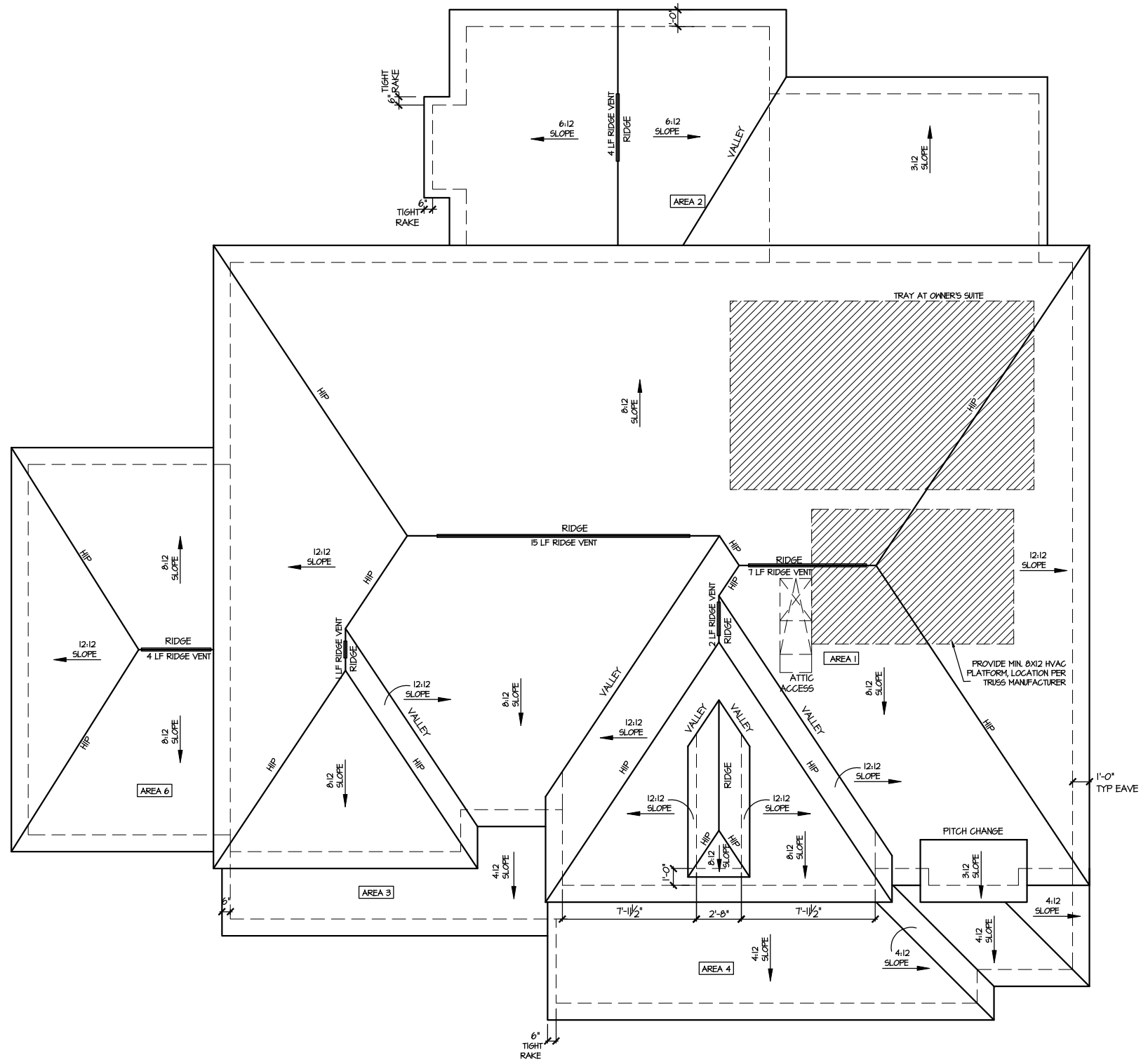
LOWER VENTING (BOTTOM 2/3 ROOF)  
 1 LINEAR FEET OF SOFFIT X 5.7 SQ. IN = 0.495 SQ. FT.  
 UPPER VENTING (TOP 1/3 ROOF)  
 4 LINEAR FEET OF RIDGE X 10 SQ. IN = 0.5 SQ. FT.  
 0.5 SQ. FT. AT 50%  
 (1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 209 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 TO 150 = 0.643 SQ. FT.  
 1 TO 300 = 0.321 SQ. FT.  
 50% IN TOP THIRD = 0.1605 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 = 0.714 SQ. FT.  
 UPPER VENTING (TOP 1/3 ROOF)  
 9 LINEAR FEET OF RIDGE X 10 SQ. IN = 1 SQ. FT.  
 1 SQ. FT. AT 50%  
 (1 TO 300 ALLOWED)  
 TOTAL ROOF VENTILATION: 1.71 SQ. FT. > 0.32 SQ. FT. (REQ'D)

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



ROOF PLAN ELEV. 7

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

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

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

DRAWN BY: ITS  
 DATE: 09/26/2024  
 PLAN NO. 1635



HOUSE NAME: STONEFIELD  
 DRAWING TITLE: ROOF PLAN

SHEET No. A.3

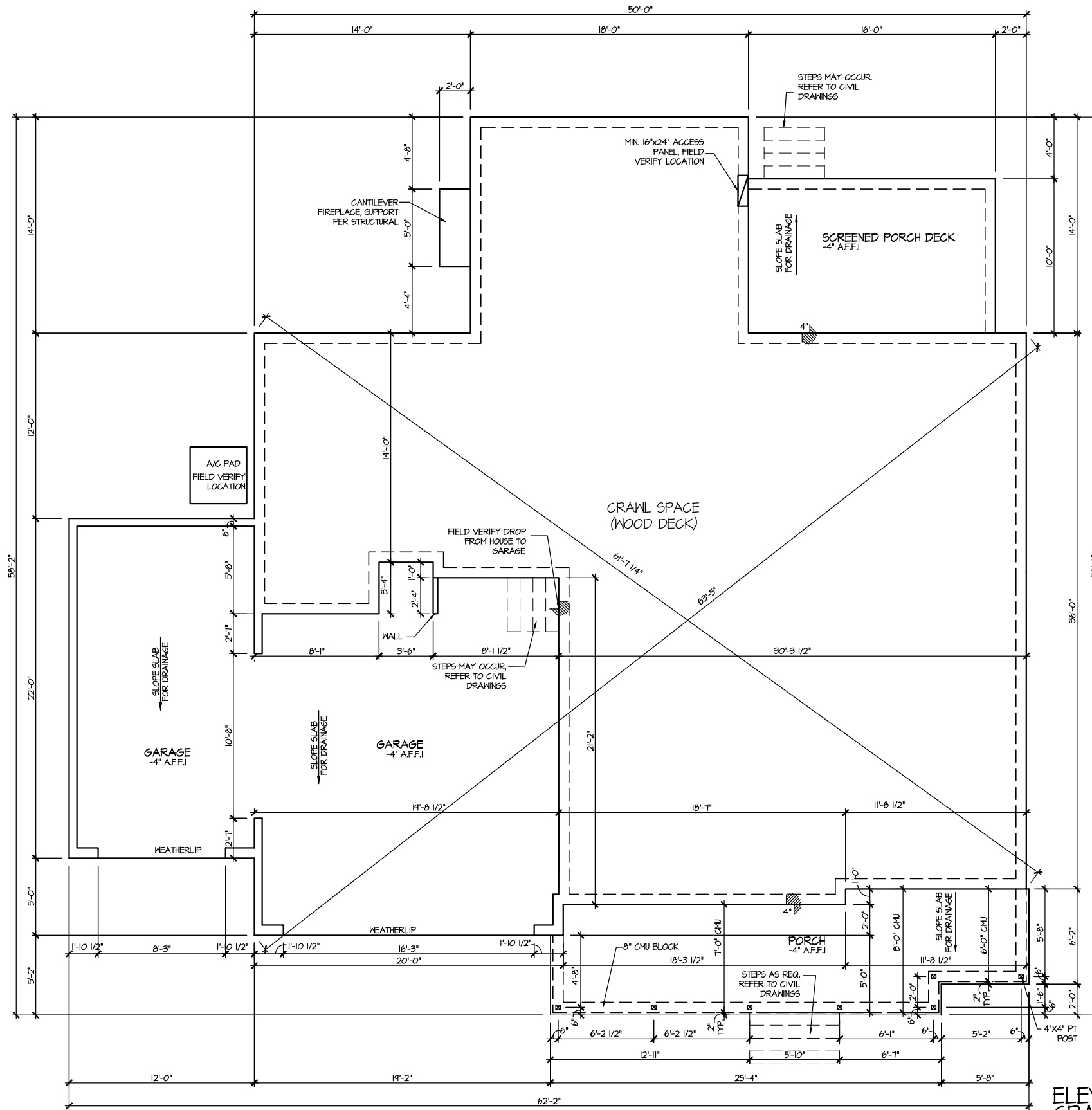
CRAWL SPACE VENT CALCULATIONS: ELEV 7  
 CRAWL AREA = 1542 SQ. FT.  
 OVERALL REQUIRED VENTILATION:  
 1 SQ. IN. PER 1 SQ. FT. = 1542 SQ. IN.

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

VENTING REQUIREMENT:

1542 SQ. IN. / 72 SQ. IN. = 21.4 VENTS = 22 VENTS

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



ELEVATION 7  
 CRAWL SPACE PLAN  
 SCALE: 1/8" = 1'-0"

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

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

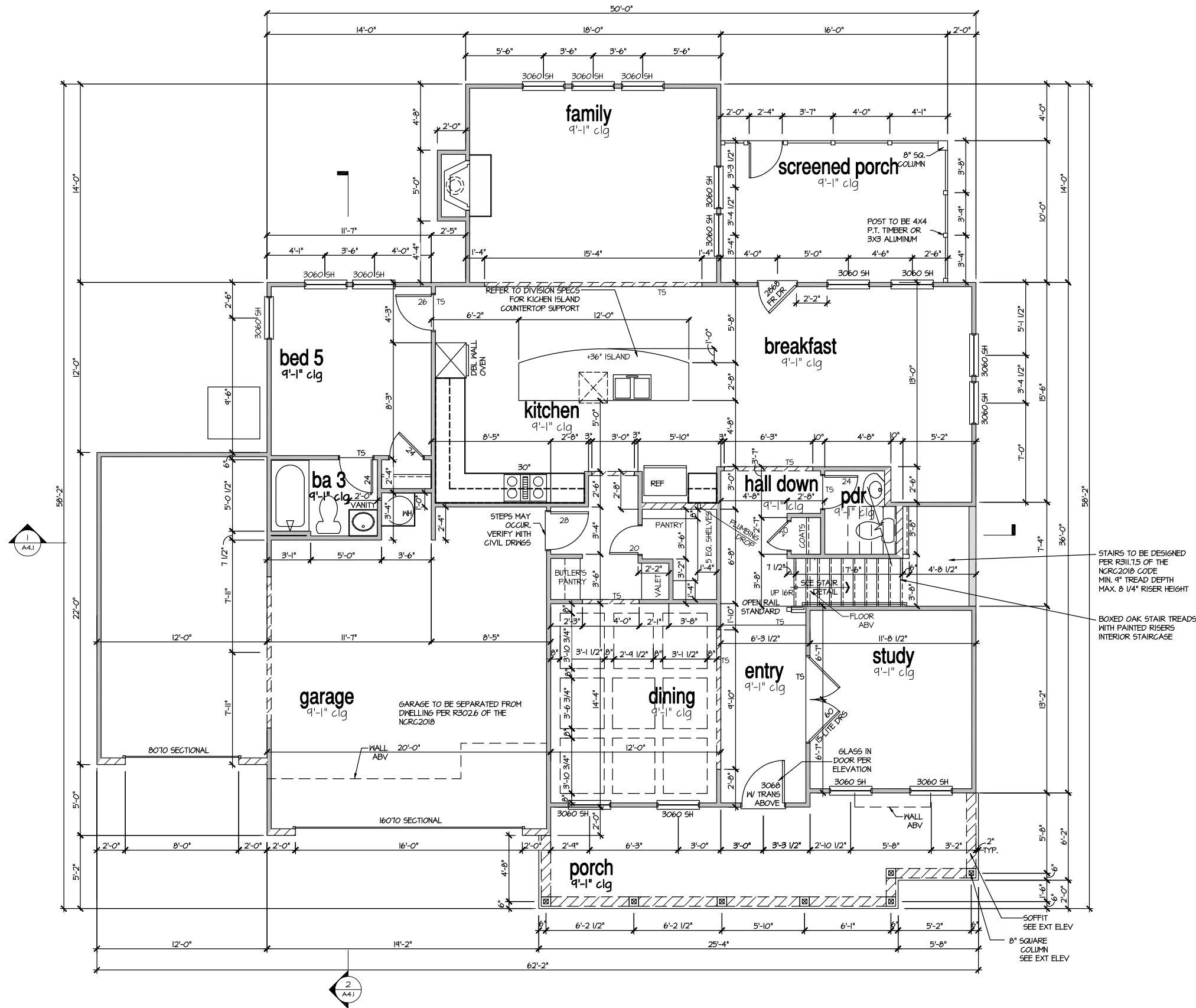
DRAWN BY: ITS  
 DATE: 09/26/2024  
 PLAN NO. 1635



HOUSE NAME: STONEFIELD  
 DRAWING TITLE: CRAWL SPACE PLAN

SHEET No. A2.1

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM



**ELEVATION 7  
FIRST 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: 09/26/2024  
PLAN NO. 1635



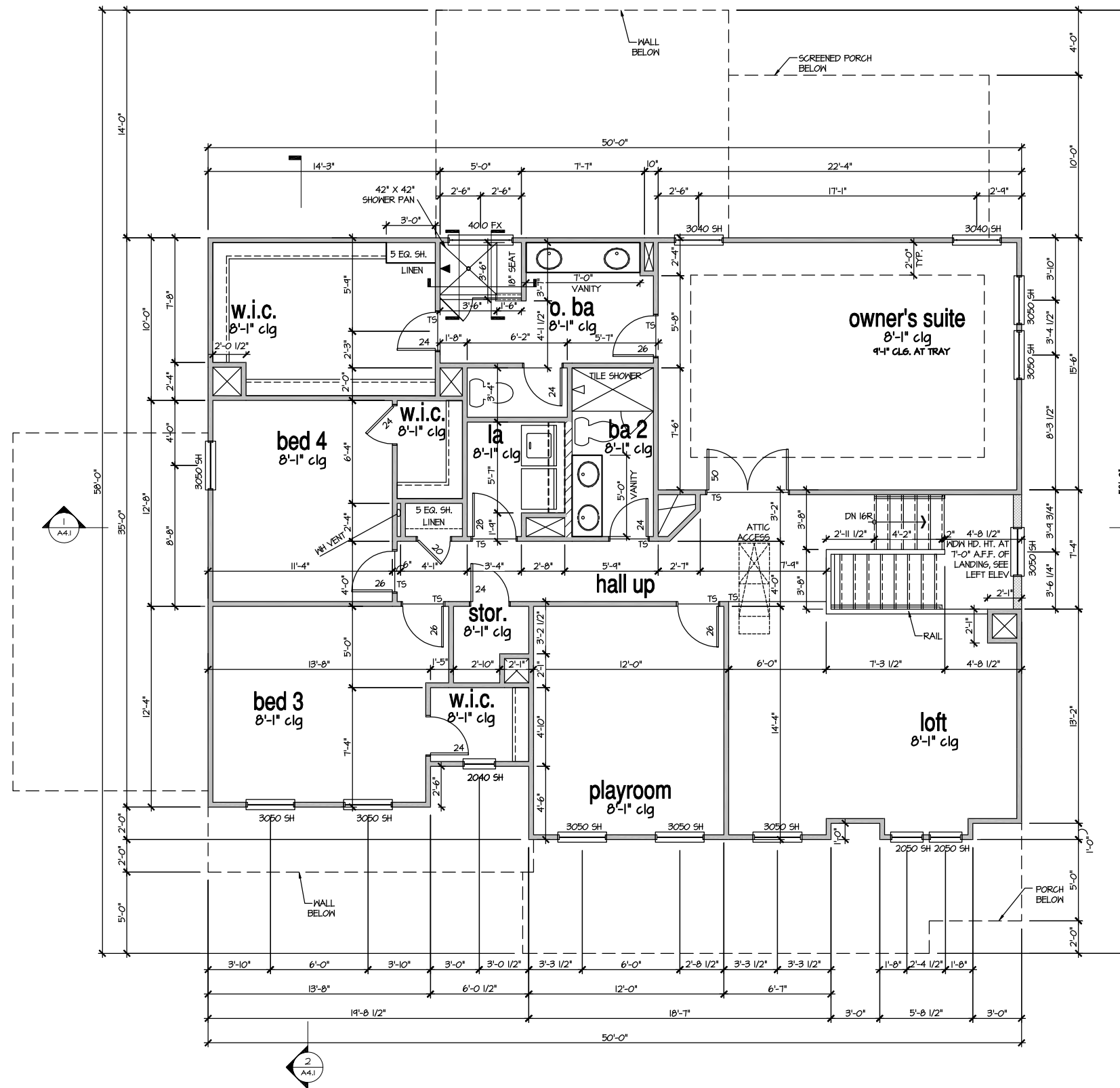
HOUSE NAME: STONEFIELD  
DRAWING TITLE: FIRST FLOOR PLAN

SHEET No. A3.1

STAIRS TO BE DESIGNED PER R311.5 OF THE NCR2018 CODE MIN. 4" TREAD DEPTH MAX. 8 1/4" RISER HEIGHT

BOXED OAK STAIR TREADS WITH PAINTED RISERS INTERIOR STAIRCASE

SOFFIT SEE EXT ELEV  
8" SQUARE COLUMN SEE EXT ELEV



ELEVATION 7  
SECOND FLOOR PLAN

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

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

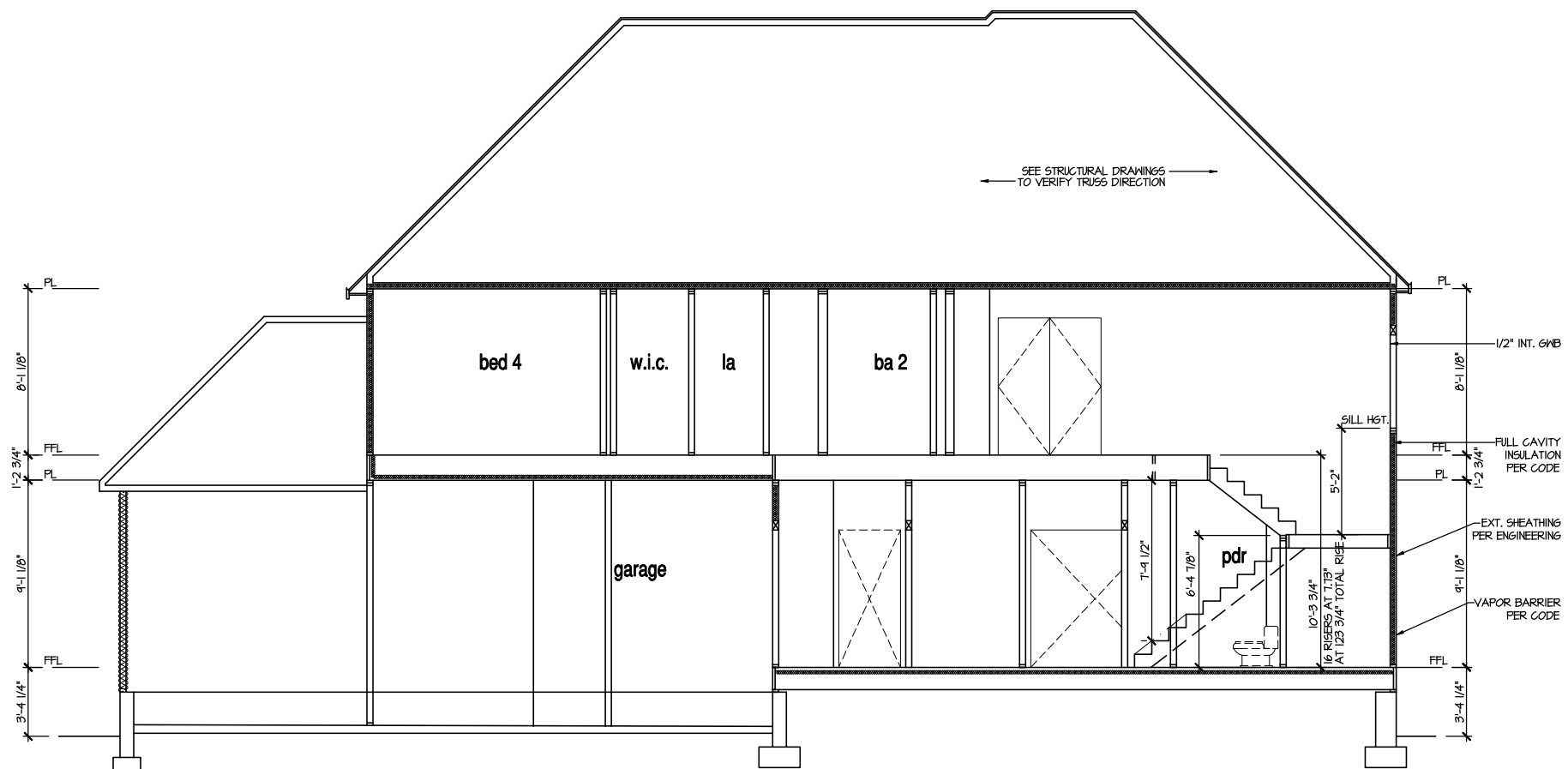
MASTER PLAN INFORMATION  
REVISION 3-RALE  
DATE 07-31-2024  
UPDATED DATE 09-12-2024

DRAWN BY: ITS  
DATE: 09/26/2024  
PLAN NO. 1635



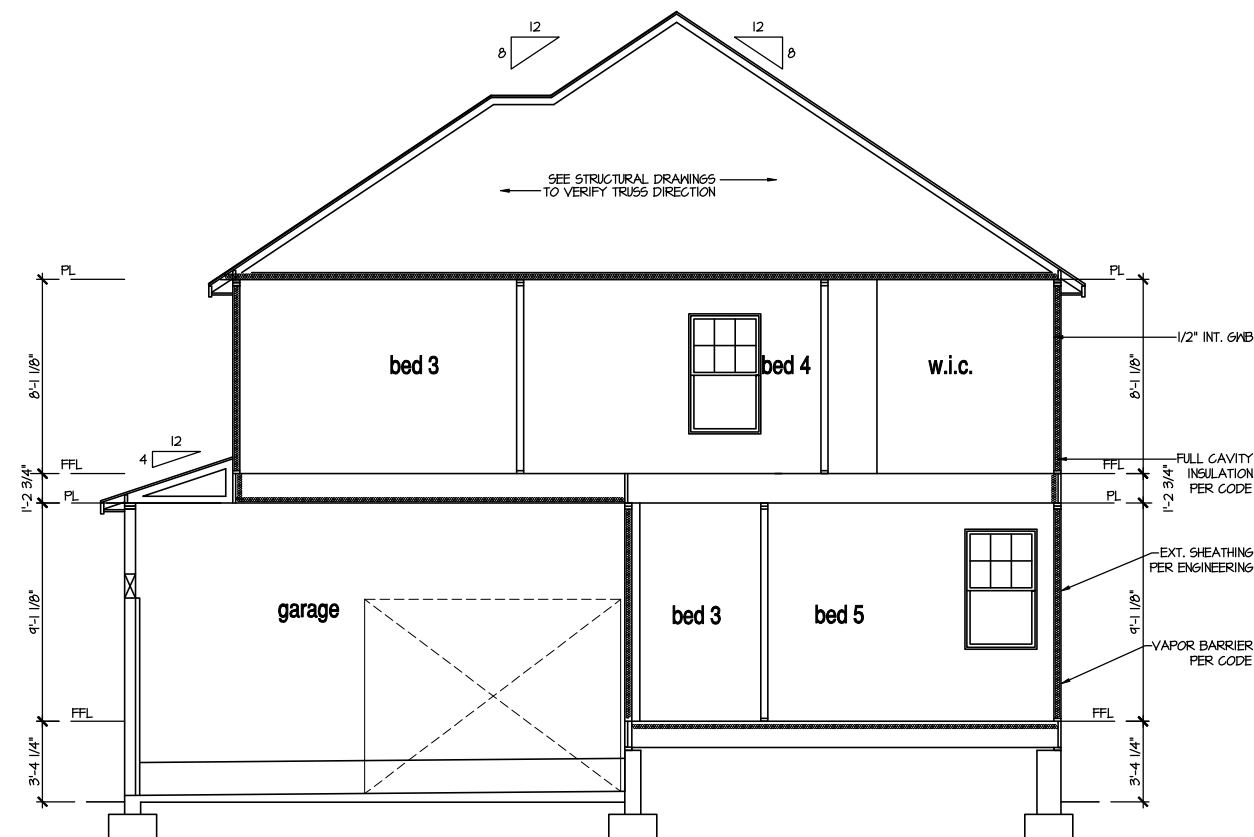
HOUSE NAME: STONEFIELD  
DRAWING TITLE: SECOND FLOOR PLAN

SHEET No. A3.2



**SECTION 1**

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



**SECTION 2**

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

**9'-1" STAIR NOTE:**  
 (USE 14" TJI WITH 3/4" PLYWOOD SUBFLOOR)  
 15 TREADS AT 10" EACH VERIFY  
 16 RISERS AT 4'- 7.13" = 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 | PER STATE RESIDENTIAL CODE COMPLIANCE METHOD TO BE DETERMINED BY BUILDER. |
| CEILING WITH ATTIC ABOVE: | R-30 BATTS MINIMUM. VERIFY |   |
| FLOOR OVER GARAGE:        | R-14 BATTS MINIMUM. VERIFY |   |
| ATTIC KNEEWALL:           | R-14 BATTS MINIMUM. VERIFY |   |

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

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

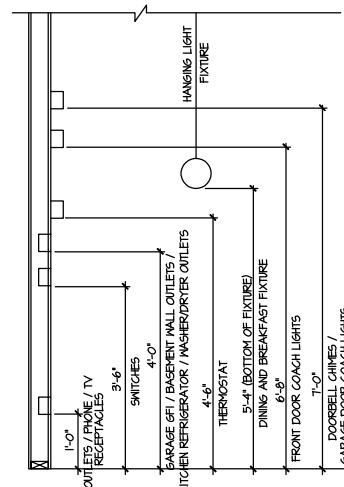
DRAWN BY: ITS  
 DATE: 09/26/2024  
 PLAN NO. 1635



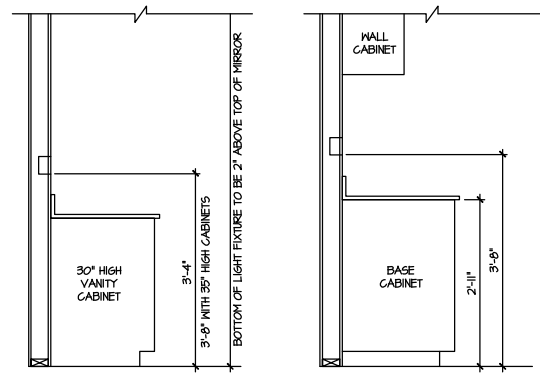
HOUSE NAME: STONEFIELD  
 DRAWING TITLE: BUILDING SECTION

SHEET No. A4.1



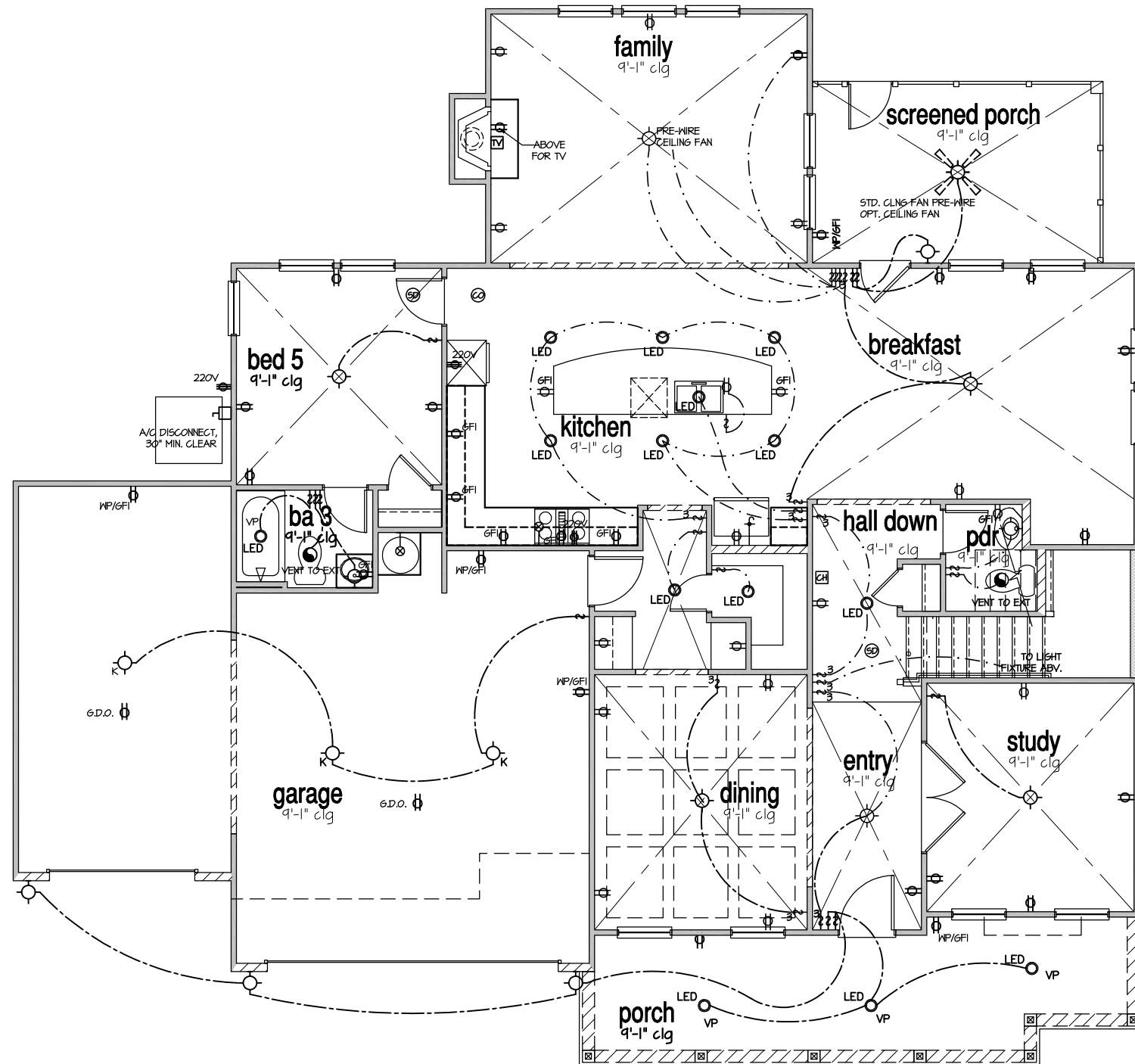


STANDARD ELECTRICAL BOX HEIGHTS



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:

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

ELECTRICAL PLAN  
FIRST FLOOR - ELEV. 7

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

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

MASTER PLAN INFORMATION

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

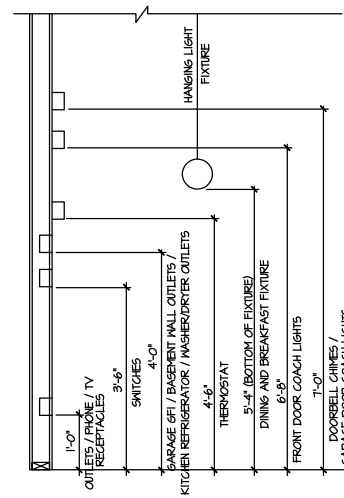
DRAWN BY:	ITS
DATE:	09/26/2024
PLAN NO.	1635



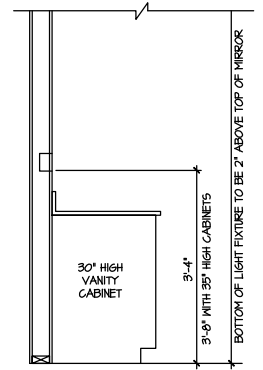
HOUSE NAME:  
STONEFIELD  
DRAWING TITLE  
FIRST FLOOR ELECTRICAL

SHEET No.

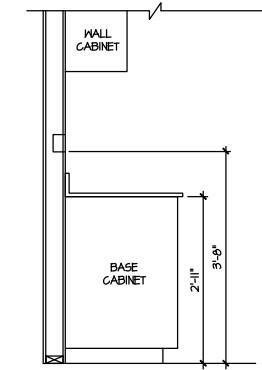




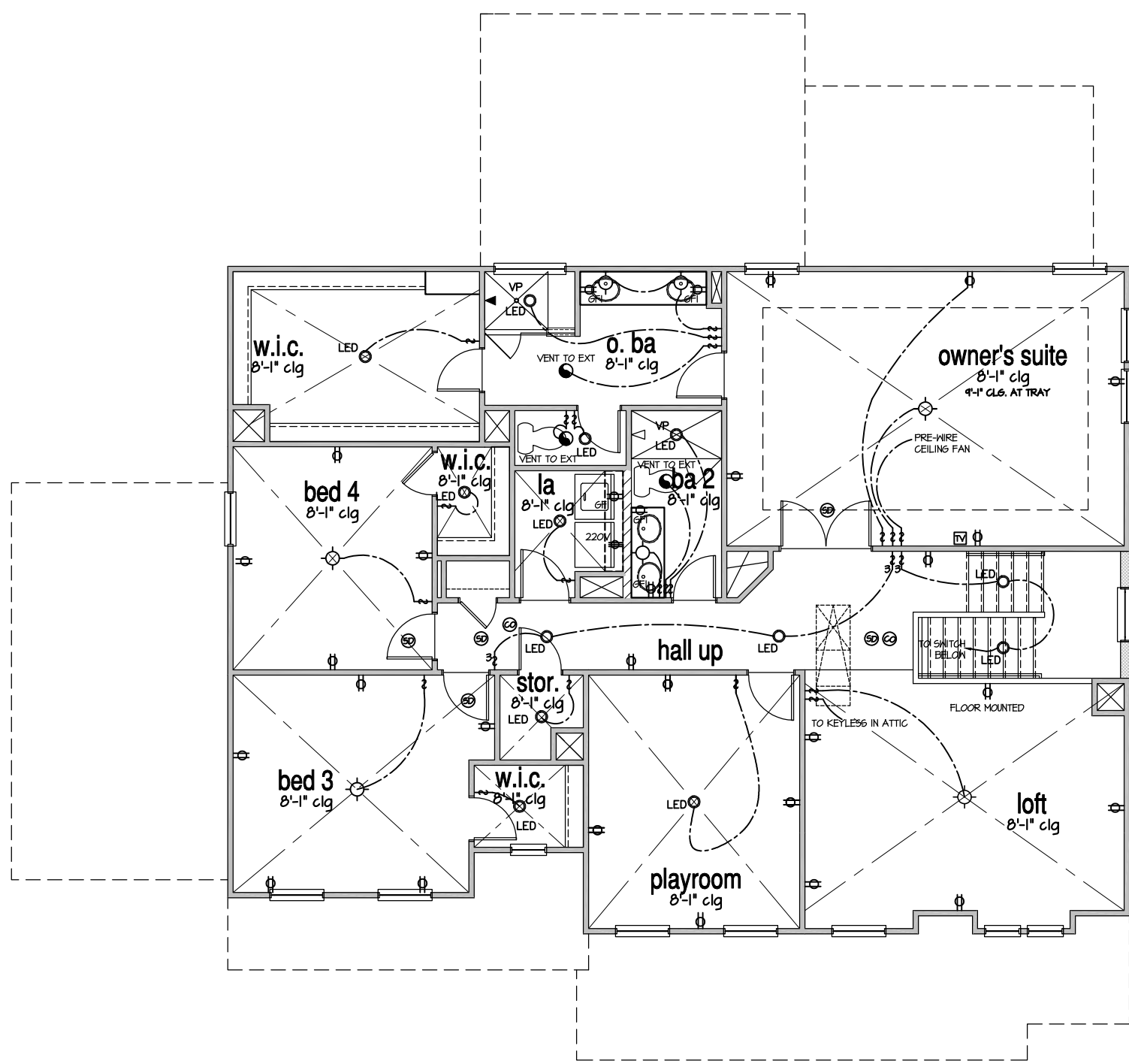
STANDARD ELECTRICAL BOX HEIGHTS



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 MANUFACTURERS WRITTEN INSTRUCTIONS.
- CLOSET LIGHTS TO BE FLOURESCENT FIXTURES FOR NO. 4 INCANDESCENT CLG. MOUNTED FIXTURES FOR ALL OTHER AREAS.

LEGEND:			
⊕	AFGI DUPLEX OUTLET	☉	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
⊕/HP/GFI	WEATHERPROOF GFI AFGI DUPLEX OUTLET	☉	KEYLESS LIGHT
⊕/GFI	GROUND-FAULT CIRCUIT-INTERRUPTER AFGI DUPLEX OUTLET	☉	HALL MOUNTED INCANDESCENT LIGHT FIXTURE
⊕	HALF-SWITCHED AFGI DUPLEX OUTLET	☉	RECESSED LIGHT FIXTURE
⊕/220V	220V VOLT AFGI OUTLET	☉	LED SURFACE MOUNTED
⊕	REINFORCED JUNCTION BOX	☉	EXHAUST FAN (VENT TO EXTERIOR)
⊕	HALL SWITCH	☉	EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
⊕/3	THREE-WAY SWITCH	☉	TECH. HUB SYSTEM
⊕/4	FOUR-WAY SWITCH	☉	
⊕/LED	LED STRIP FIXTURE	☉	
⊕	AFGI DUPLEX OUTLET	☉	
⊕	WEATHERPROOF GFI AFGI DUPLEX OUTLET	☉	
⊕	GROUND-FAULT CIRCUIT-INTERRUPTER AFGI DUPLEX OUTLET	☉	
⊕	HALF-SWITCHED AFGI DUPLEX OUTLET	☉	
⊕/220V	220V VOLT AFGI OUTLET	☉	
⊕	REINFORCED JUNCTION BOX	☉	
⊕	HALL SWITCH	☉	
⊕/3	THREE-WAY SWITCH	☉	
⊕/4	FOUR-WAY SWITCH	☉	
⊕/LED	LED STRIP FIXTURE	☉	
☉	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE	☉	
☉	KEYLESS LIGHT	☉	
☉	HALL MOUNTED INCANDESCENT LIGHT FIXTURE	☉	
☉	RECESSED LIGHT FIXTURE	☉	
☉	LED SURFACE MOUNTED	☉	
☉	EXHAUST FAN (VENT TO EXTERIOR)	☉	
☉	EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)	☉	
☉	TECH. HUB SYSTEM	☉	
☉	CHIMES	☉	
☉	FUSIBLE SWITCH	☉	
☉	110V SMOKE DETECTOR W/ BATTERY BACKUP	☉	
☉	CO2 DETECTOR	☉	
☉	THERMOSTAT	☉	
☉	TELEPHONE	☉	
☉	TELEVISION	☉	
☉	ELECTRIC METER	☉	
☉	ELECTRIC PANEL	☉	
☉	DISCONNECT SWITCH	☉	
☉	CEILING FAN (PROVIDE ADEQUATE SUPPORT)	☉	
☉	CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)	☉	
☉	GAS SUPPLY WITH VALVE	☉	
☉	HOSE BIBB	☉	
☉	1/4" WATER STUB OUT	☉	

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

FILE: Lot\_00.0017.dwg DATE: 9/26/2024 3:00 PM

MASTER PLAN INFORMATION

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

DRAWN BY:	ITS
DATE:	09/26/2024
PLAN NO.	1635



HOUSE NAME:  
STONEFIELD  
DRAWING TITLE  
SECOND FLOOR ELECTRICAL

SHEET No.  
11.2



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



HOUSE NAME:  
DRAWING TITLE  
RALE TILE SHOWER DETAIL

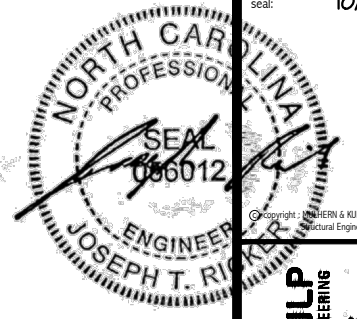
SHEET No.  
01.12



RALE TILE SHOWER  
SECTION B  
SCALE: 1/2" = 1'-0"



RALE TILE SHOWER  
SECTION C  
SCALE: 1/2" = 1'-0"



M&K project number:  
126-23047

project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:



STRUCTURAL NOTES  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet:  
**SO.0**

**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 5YP, "STUD" GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
  - f<sub>c</sub> = 4,000 psi: ..... FOUNDATION WALLS
  - 2,500 psi: ..... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3,000 psi: ..... GARAGE & EXTERIOR SLABS ON GRADE
  - f<sub>y</sub> = 60,000 psi
- 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 EXCEED 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 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<sub>m</sub>=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 CRAML SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAML 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 SAWN) 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADDL 10 PSF @ TILE)
  - LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B.
  - SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

**GENERAL FRAMING**

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR 5YP "STUD" GRADE LUMBER, OR BETTER, U.N.O.
  - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (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., U.N.O.)
  - HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (K-D-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
  - LVL - Fb=2325 psi; Fv=310 psi; E=1.55x10<sup>6</sup> psi
  - LVL - Fb=2600 psi; Fv=285 psi; E=2.0x10<sup>6</sup> psi
  - PSL - Fb=2400 psi; Fv=240 psi; E=2.0x10<sup>6</sup> psi
- M&K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO M&K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS 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 1/2" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS 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, U.N.O.
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN.), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s (HILTI X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BC62-2/4 CAP & ABW44Z BASE, U.N.O.

**FLOOR FRAMING**

- 1-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT M&K FOR MARBLE FLOOR DESIGNS)
- AT 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. FASTEN TO FRAMING MEMBERS W/ GLUE AND
  - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.
  - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD.
  - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD.
  - #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.

**ROOF FRAMING**

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI 1-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W/ 2x4 LEDGER FASTENED TO:
  - RIM BOARD W/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (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 *
▶ HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)
▶ HD-3	SIMPSON STDH14/14RJ HOLD-DOWN

ALTERNATIVE TO 56TB24 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.

**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.

**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

- NOTES:  
\* 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 NCSEB: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 NCSEB: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 NCSEB:RC SECTION R602.11.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.54 R602.11.

**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. TYP. U.N.O.
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (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 0.131" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/8" 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 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

**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"x16" STEEL FLITCH PLATES - D	W12x14 - D
002	(2)3/4"x11 1/2" - D	3/2"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/4"x16" 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"x16" 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"x16" STEEL FLITCH PLATES - F	W12x14 - F
005	(3)3/4"x18" - FT	5/4"x18" - FT	N/A	(3)2x12 + (2) 3/4"x16" STEEL FLITCH PLATES - F	W12x26 - F
006	(3)3/4"x18" - FT	5/4"x18" - FT	N/A	(3)2x12 + (2) 3/4"x16" STEEL FLITCH PLATES - F	W12x26 - F
007	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x16" 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"x16" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x9 1/2" - D	3/2"x9 1/2" - D	(2)3/4"x9 1/2" - D	(2)2x12 + (1) 3/4"x16" 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"x16" STEEL FLITCH PLATES - H	N/A
011	(2)3/4"x11 1/2" - D	3/2"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/4"x16" STEEL FLITCH PLATES - D	W12x14 - D
012	(3)3/4"x18" - D	5/4"x18" - D	(4)3/4"x18" - D	(3)2x12 + (2) 3/4"x16" STEEL FLITCH PLATES - D	W12x19 - D
013	(2)3/4"x11 1/2" - D	3/2"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/4"x16" 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"x16" STEEL FLITCH PLATES - D	W12x14 - D
015***	(3)3/4"x11 1/2" - D	N/A	(3)3/4"x11 1/2" - D	(3)2x12 + (2) 3/4"x16" STEEL FLITCH PLATES - D	W12x14 - D
016	(2)3/4"x11 1/2" - F	3/2"x11 1/2" - F	(3)3/4"x11 1/2" - F	(2)2x12 + (1) 3/4"x16" 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.

**ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER**

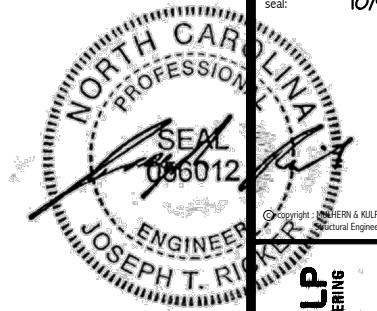
- ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN.
- TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING:
  - ROOF TRUSSES:
    - 1/4" DEAD LOAD
  - FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:
    - 1/8" DEAD LOAD
  - 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"
8'-0"	20 FT. MAX	L5"x3"x1/4"
	3 FT. MAX	L4"x4"x1/4" **
12'-0"	12 FT. MAX	L5"x3"x1/4"
	16 FT. MAX	L6"x3"x1/4"
9'-6"	12 FT. MAX	L6"x3"x1/4"
	18" DEAD LOAD	L6"x3"x1/4"
16'-0"	2 FT. MAX	L7"x4"x1/2" **
	3 FT. MAX	L8"x4"x1/2" **

ALL LINTELS:  
 \* SHALL SUPPORT 2 3/4" x 3 1/2" VENEER W/ 40 PSI MAXIMUM HEIGHT.  
 @ 10" SHALL HAVE 4" MIN BEARING  
 @ 18" SHALL HAVE 8" MIN BEARING  
 @ 18" SHALL NOT BE FASTENED BACK TO HEADER.  
 @ 16" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.  
 \* MAX VENEER HT. APPLIES TO ANY PORTION OF BRCK 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 3/4" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.  
 - SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.  
 \* FOR GREEN VENEER USE L4x3x1/4".  
 \*\* FOR 3/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.



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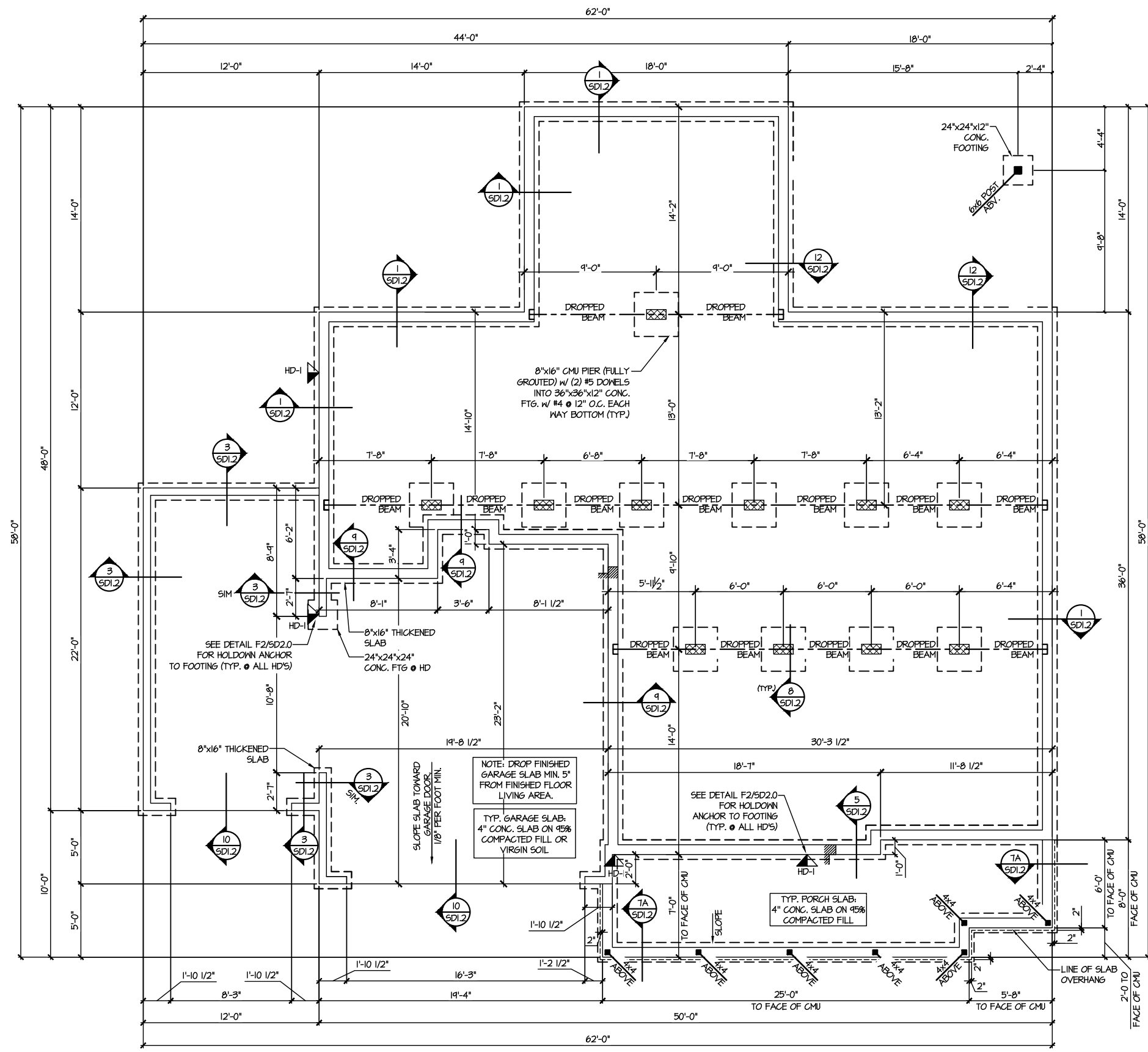
M&K project number:  
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project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:



FOUNDATION PLANS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet:  
**S1.0**

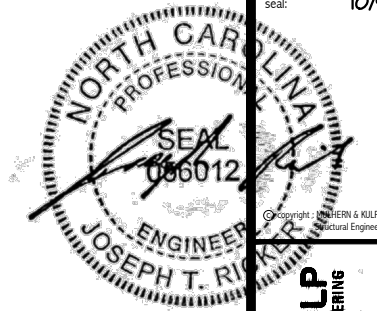


**1 CRAWLSPACE FOUNDATION PLAN**  
SCALE: 1/8"=1'-0"

**LEGEND**

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

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



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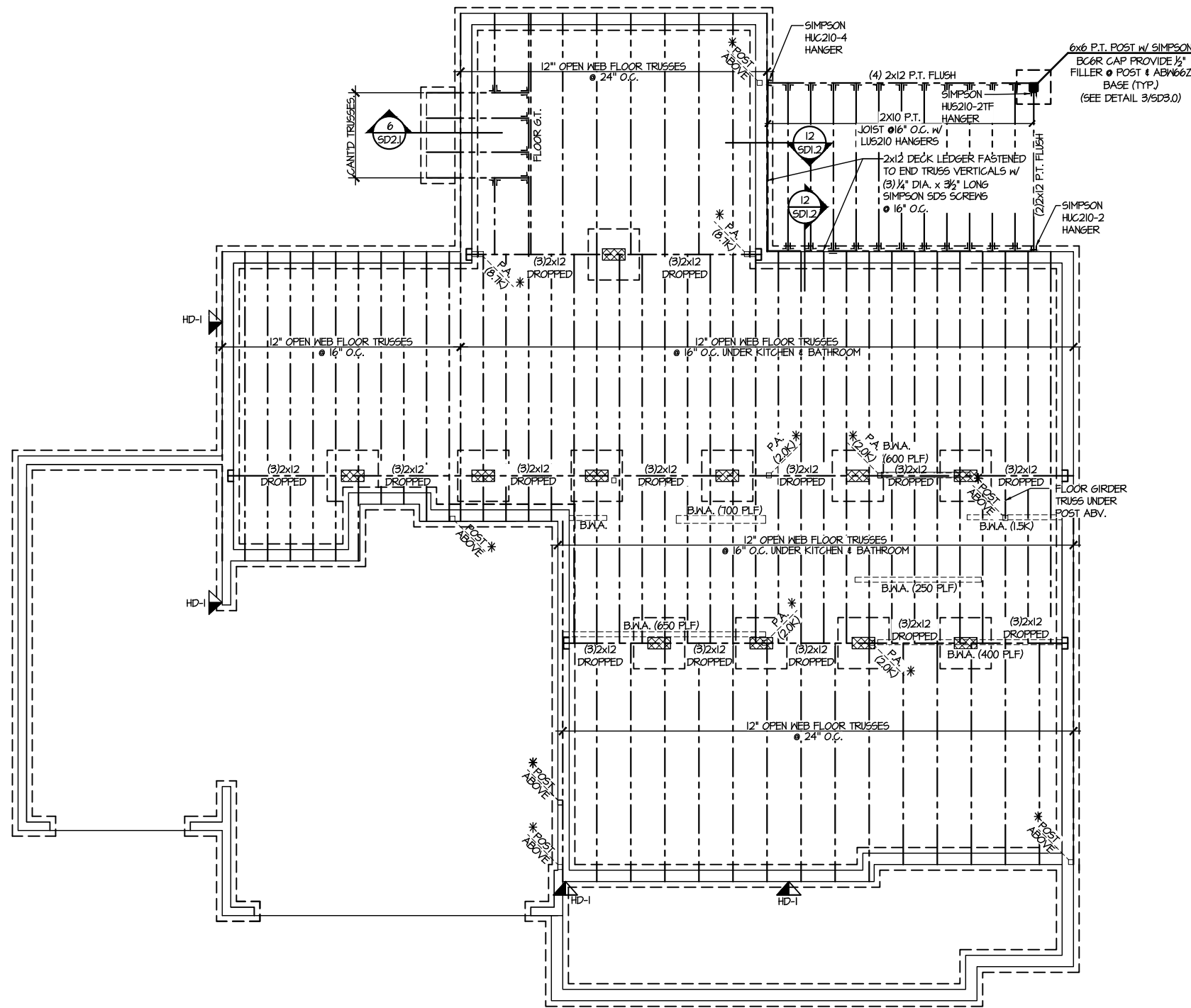
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126-23047  
project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:

DRB  
HOMES

FLOOR FRAMING PLANS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

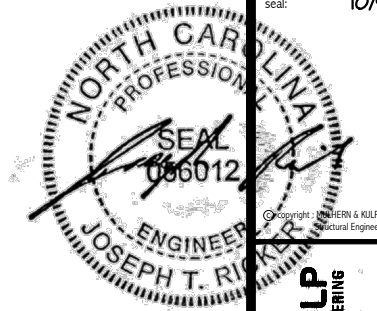
sheet:  
S2.0



1 1ST FLOOR FRAMING PLAN (CRAWLSPACE)  
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 SO.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES



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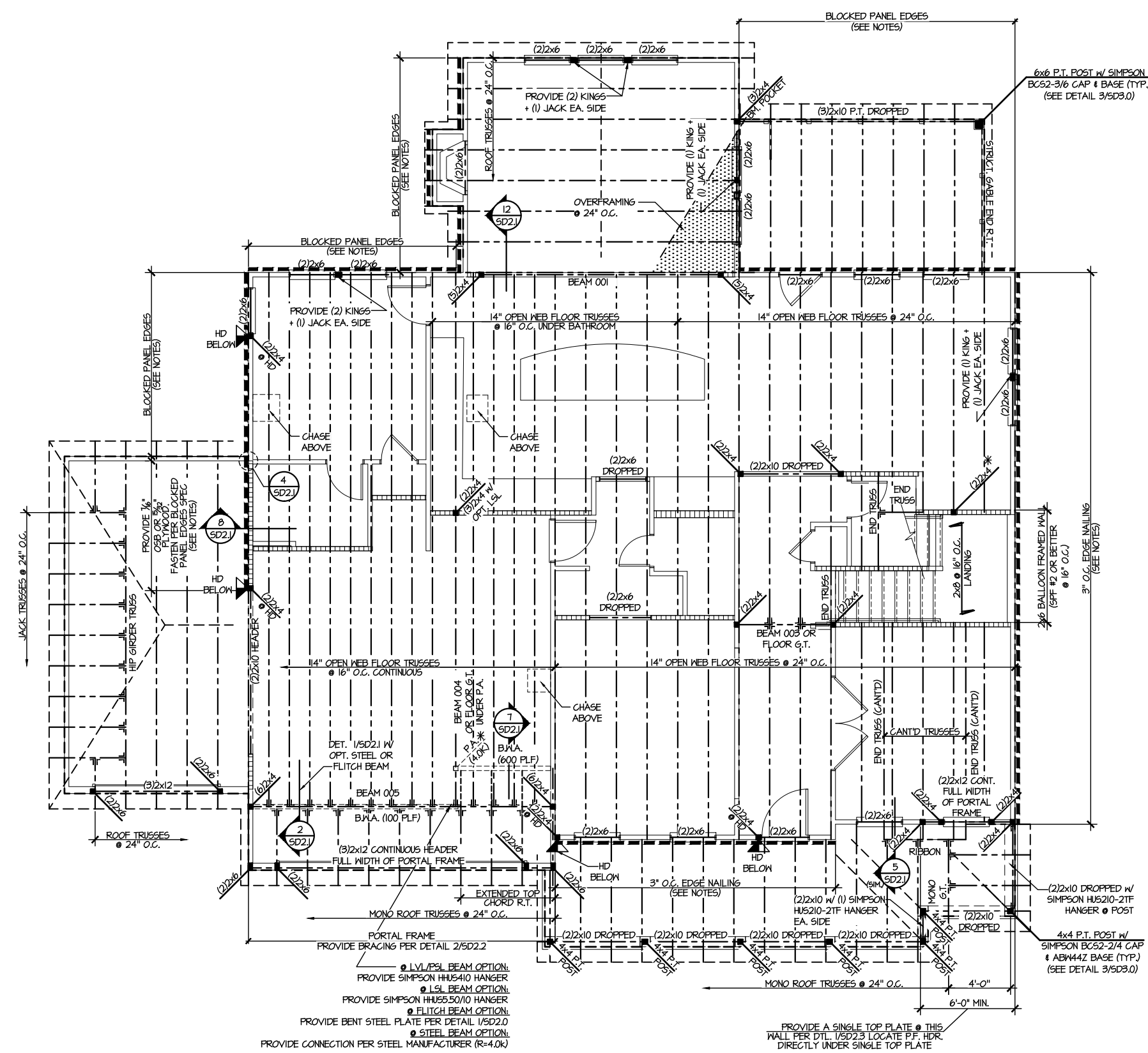


M&K project number: 126-23047  
project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24  
REVISIONS:  
date: initial:

**DRB**  
HOMES

FLOOR FRAMING PLANS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet: **S3.0**



**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
- 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**

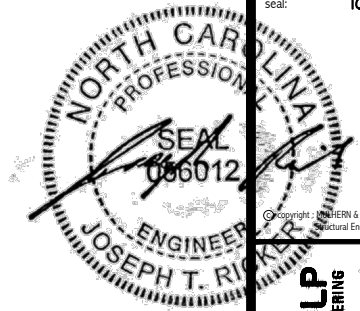
**ENGINEERED BEAM MATERIAL SCHEDULE**

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x16" - D	3/5"x16" - D	N/A	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
002	(2)3/4"x11 1/2" - D	3/5"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
003	(2)3/4"x14" - F	3/5"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)3/4"x14" - F	3/5"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - F	W12x14 - F
005	(3)3/4"x10" - FT	3/4"x10" - FT	N/A	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - F	W12x26 - F
006	(3)3/4"x10" - FT	3/4"x10" - FT	N/A	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - F	W12x26 - F
007	(2)3/4"x14" - F	3/5"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - F	W12x14 - F
008	(2)3/4"x14" - F	3/5"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x9 1/2" - D	3/5"x9 1/2" - D	(2)3/4"x9 1/2" - D	(2)2x10 + (1) 1/4"x1/4" STEEL FLITCH PLATES - D	W10x12 - D
010	(2)3/4"x16" - H	3/5"x16" - H	(3)3/4"x16" - H	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - H	N/A
011	(2)3/4"x11 1/2" - D	3/5"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
012	(3)3/4"x16" - D	3/4"x16" - D	(4)3/4"x16" - D	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - D	W12x19 - D
013	(2)3/4"x11 1/2" - D	3/5"x11 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 1/4"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
014	(2)3/4"x16" - D	3/5"x16" - D	(3)3/4"x16" - D	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
015***	(3)3/4"x11 1/2" - D	N/A	(3)3/4"x11 1/2" - D	(3)2x12 + (2) 3/8"x1/4" STEEL FLITCH PLATES - D	W12x14 - D
016	(2)3/4"x11 1/2" - F	3/5"x11 1/2" - F	(3)3/4"x11 1/2" - F	(2)2x12 + (1) 1/4"x1/4" 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

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





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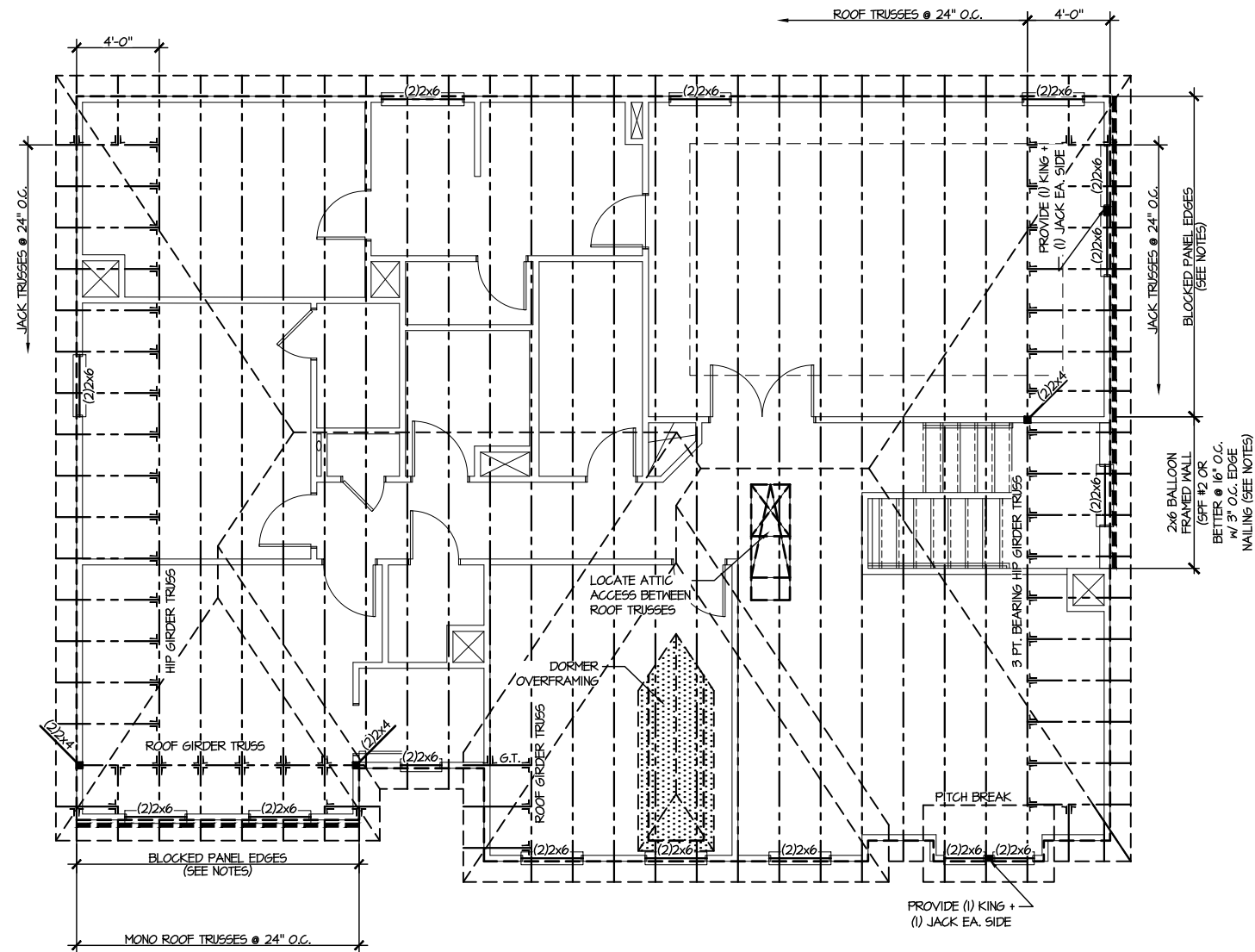
M&K project number:  
126-23047  
project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:



ROOF FRAMING PLANS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

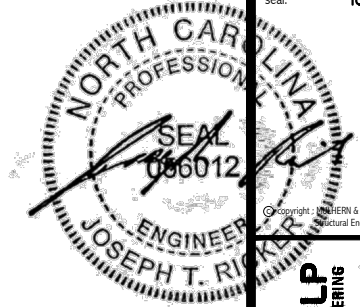
sheet:  
**S4.0**



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

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

REFER TO S.O FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES



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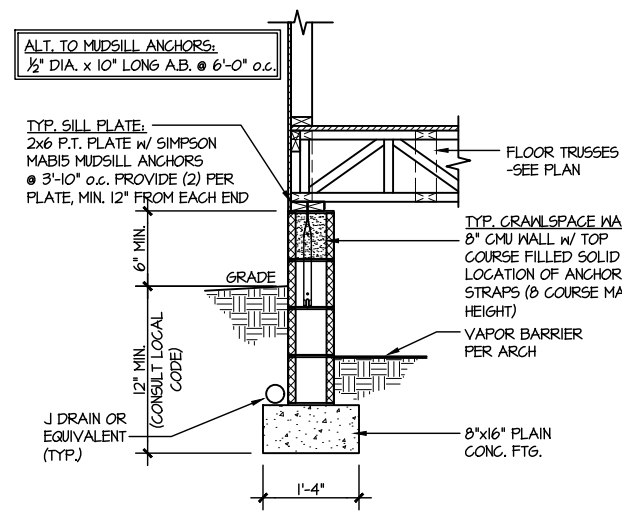
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HOMES

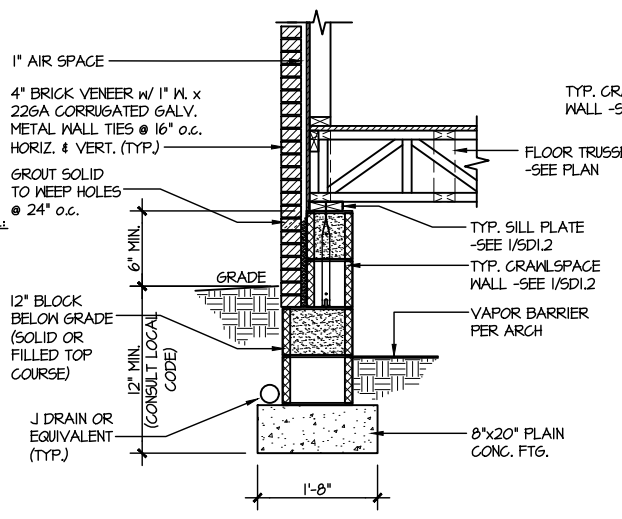
FOUNDATION DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet:  
**SD1.2**

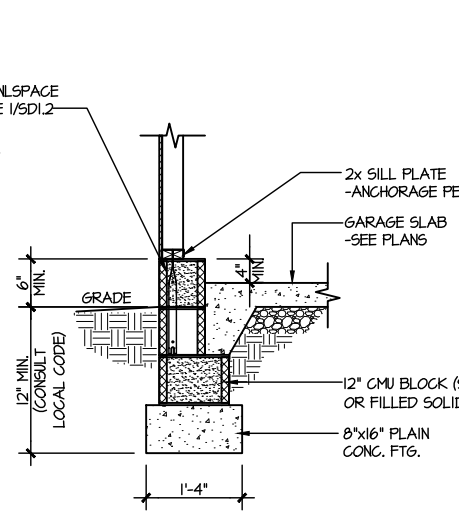
LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.  
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



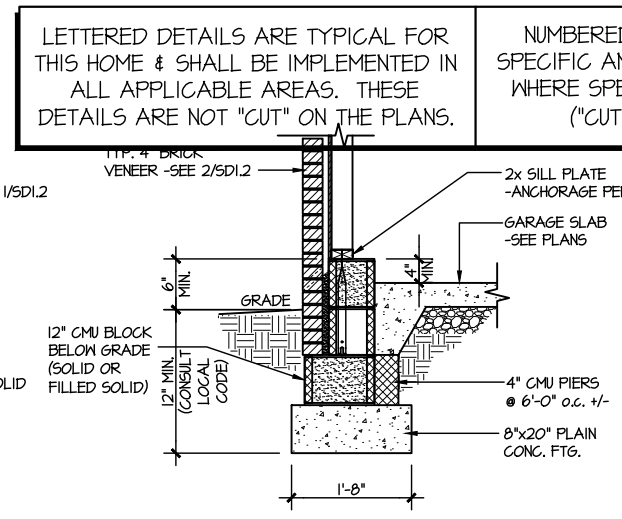
**1** TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"



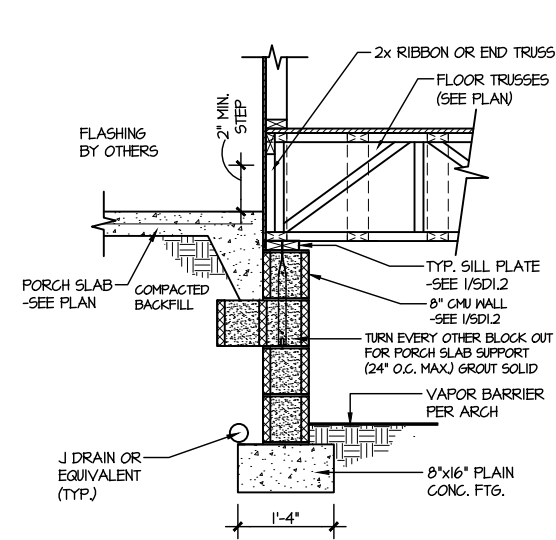
**2** TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



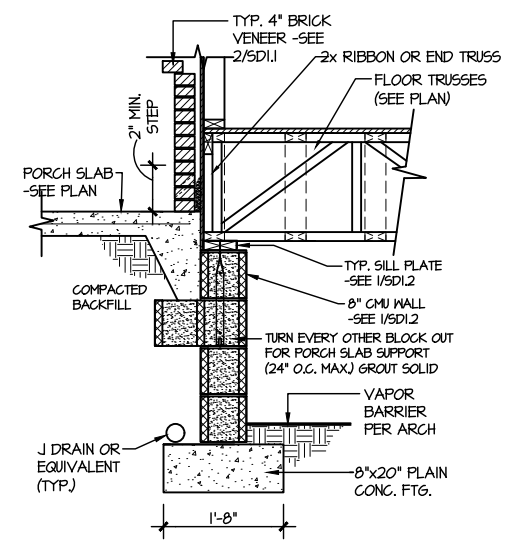
**3** TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0"



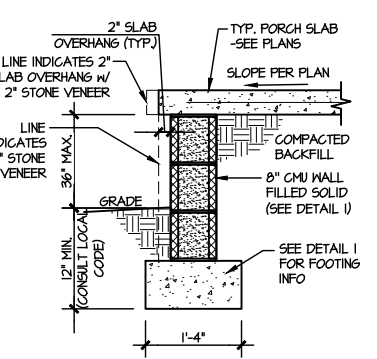
**4** TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



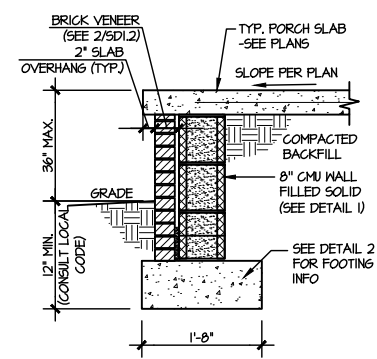
**5** TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0" (REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



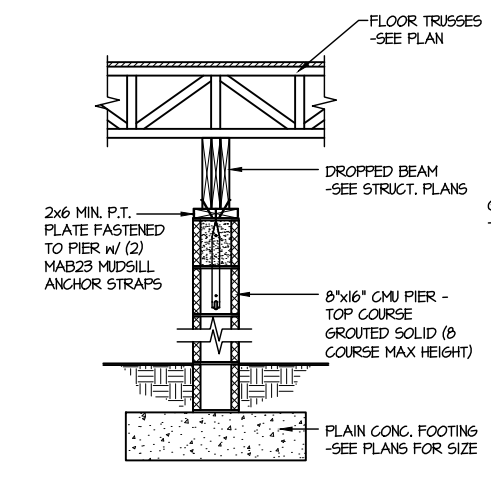
**6** TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



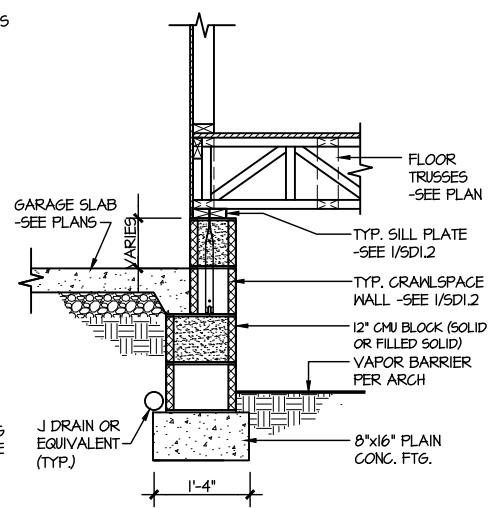
**7A** TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0"



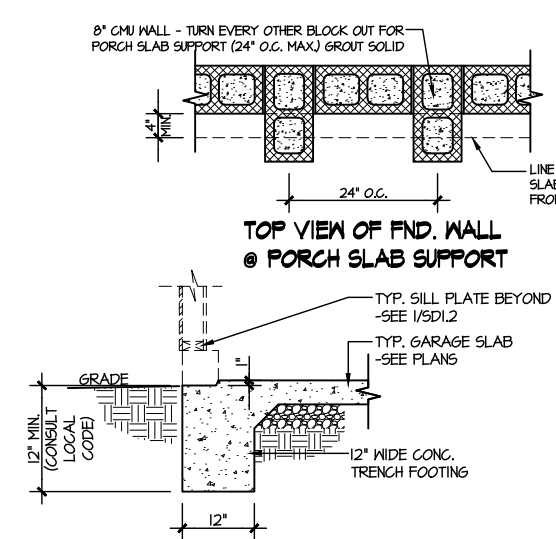
**7B** TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



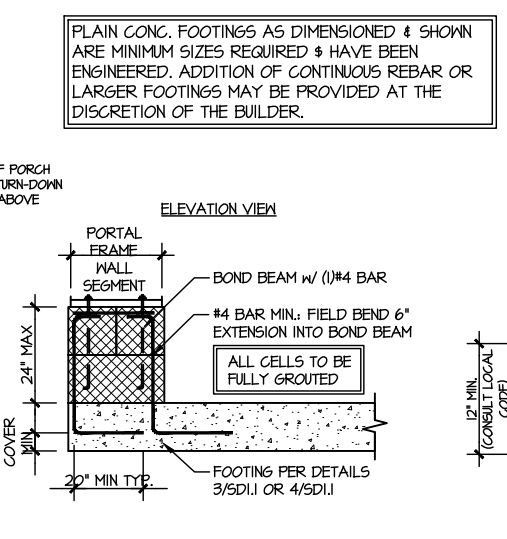
**8** TYPICAL CRAWLSPACE FND. @ INTERIOR PIER  
SCALE: 3/8"=1'-0"



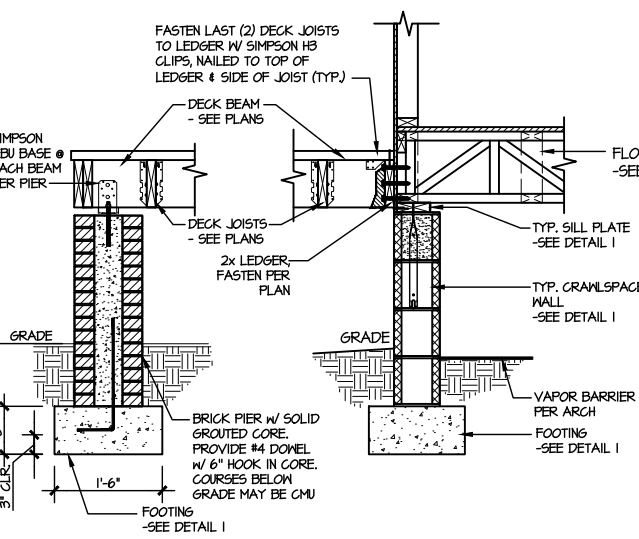
**9** TYPICAL CRAWLSPACE FOUNDATION @ GARAGE  
SCALE: 3/8"=1'-0"



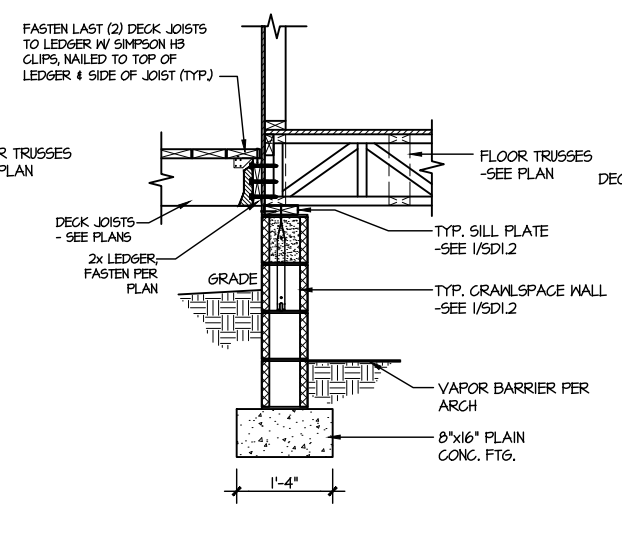
**10** TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



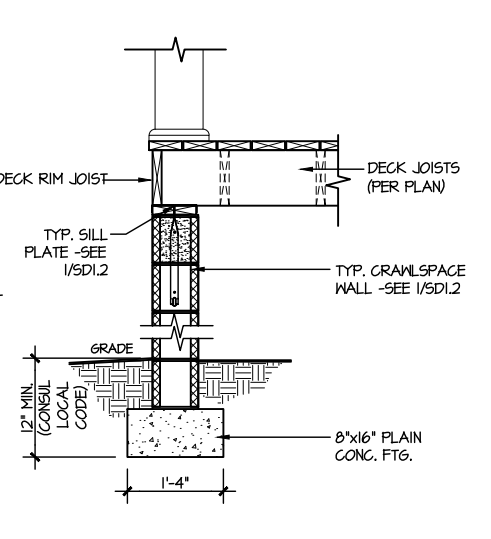
**A** GARAGE PORTAL FRAME STEM WALL REINFORCEMENT  
SCALE: 3/8"=1'-0"



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

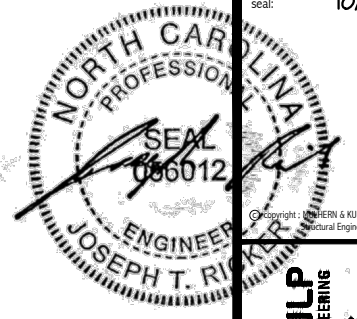


**12** TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK  
SCALE: 3/8"=1'-0"



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

FILE: RLH - Honeycutt Hills - Lot 17 - Structural DATE: 10/9/2024 1:24 PM



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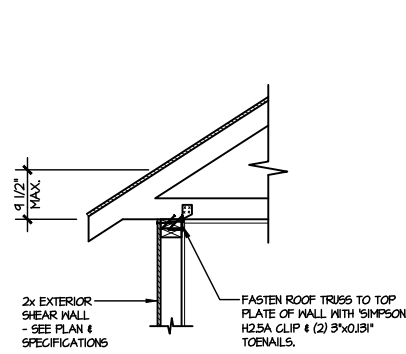
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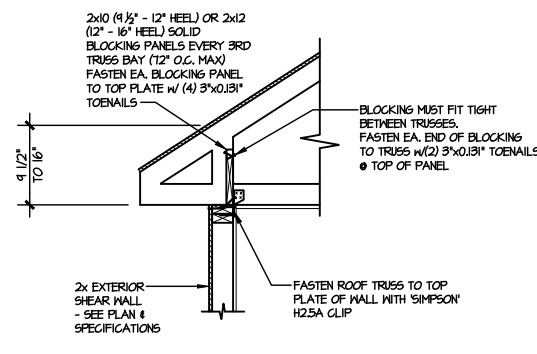
DRB  
HOMES

FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

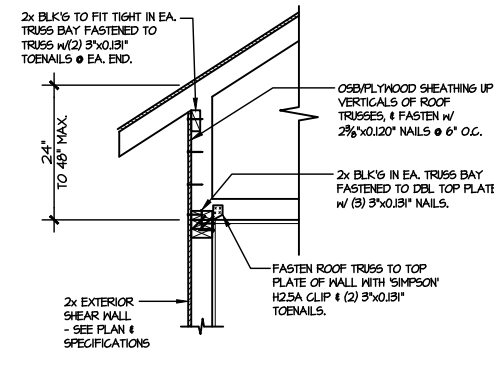
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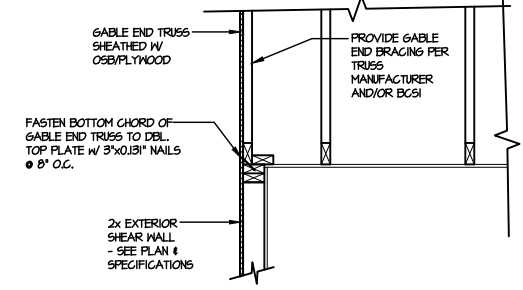
**(AI) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8"=1'-0"  
HEEL HEIGHT LESS THAN 4 1/2"  
NO BLOCKING REQ'D



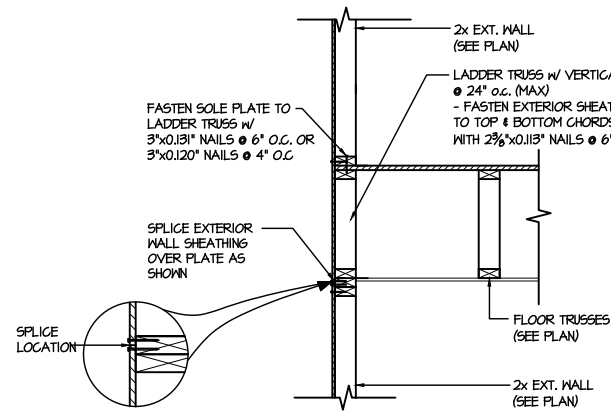
**(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF**  
SCALE: 3/8"=1'-0"  
HEEL HEIGHT BETWEEN 4 1/2" - 16"  
BLOCKING REQ'D



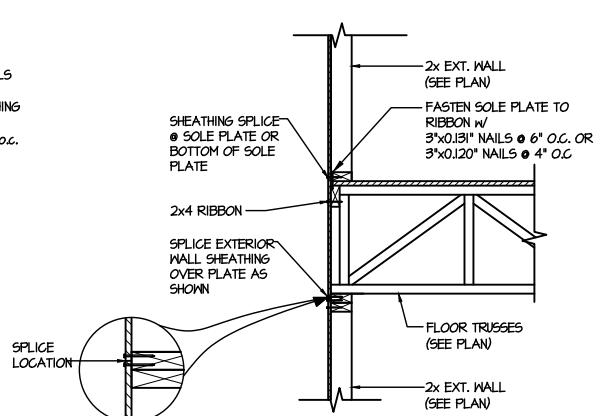
**(AB) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS**  
SCALE: 3/8"=1'-0"  
HEEL HEIGHT UP TO 48" MAX.



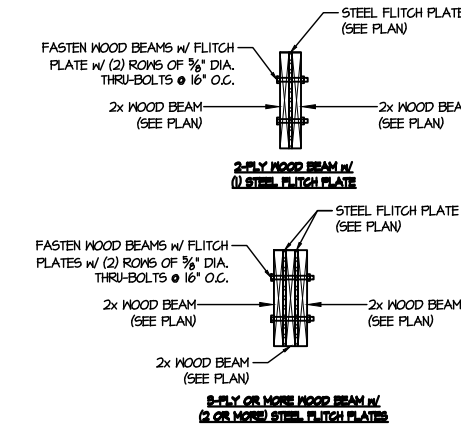
**(B) TYPICAL GABLE END DETAIL**  
SCALE: 3/8"=1'-0"



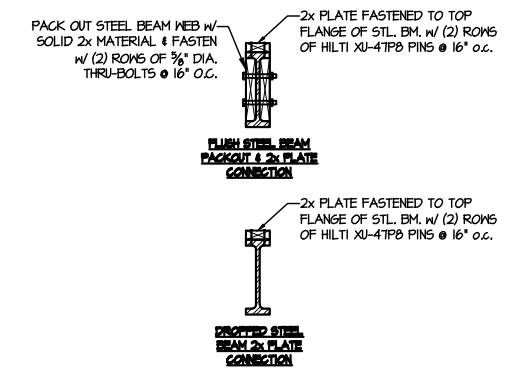
**(C1) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8"=1'-0"  
PARALLEL FRAMING



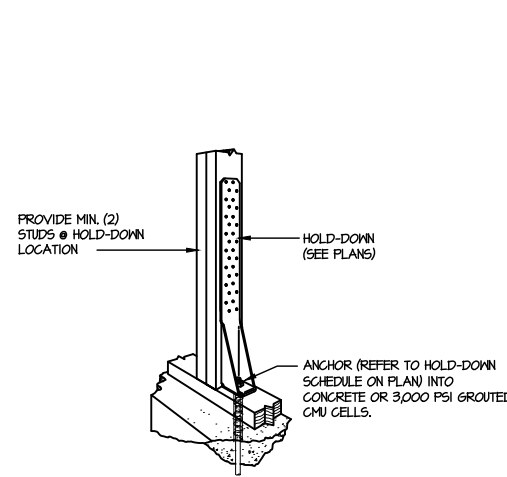
**(C2) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL**  
SCALE: 3/8"=1'-0"  
PERPENDICULAR FRAMING



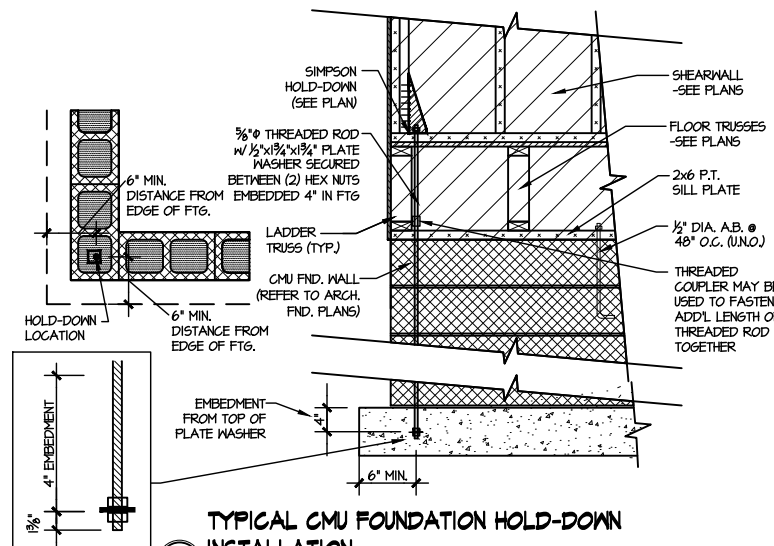
**(D) TYPICAL FLITCH BEAM CONNECTION DETAIL**  
SCALE: 3/4"=1'-0"



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



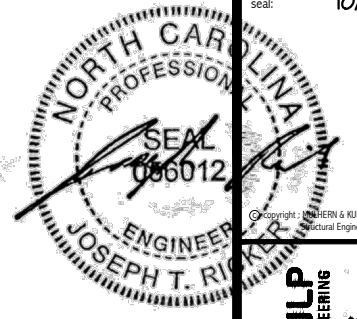
**(F1) TYPICAL HOLD DOWN INSTALLATION**  
SCALE: N.T.S.



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

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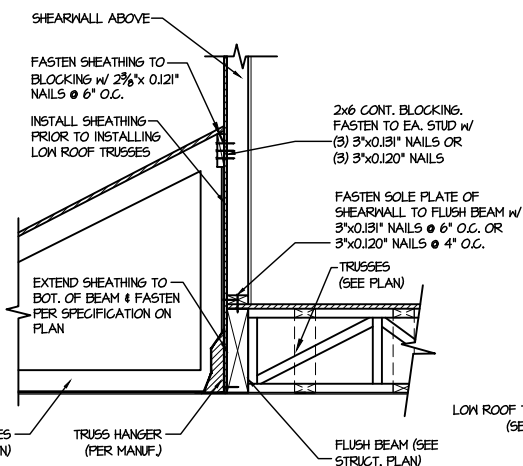
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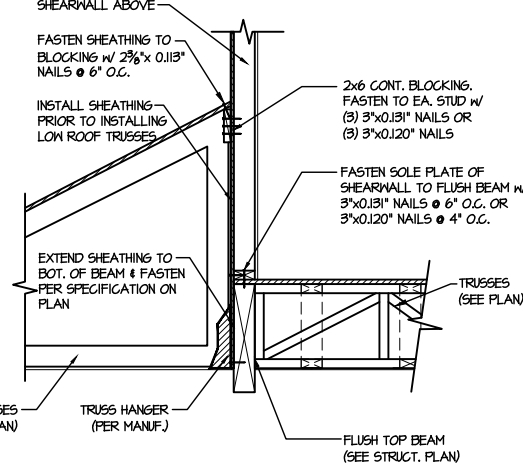
DRB  
HOMES

FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

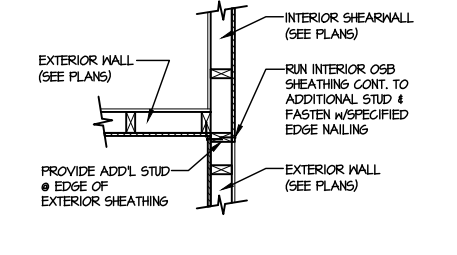
SD2.1A



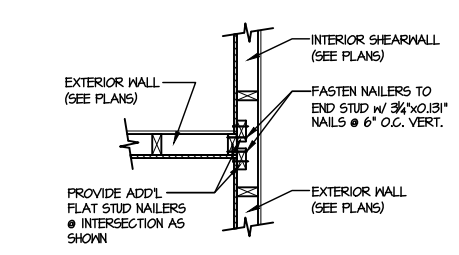
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



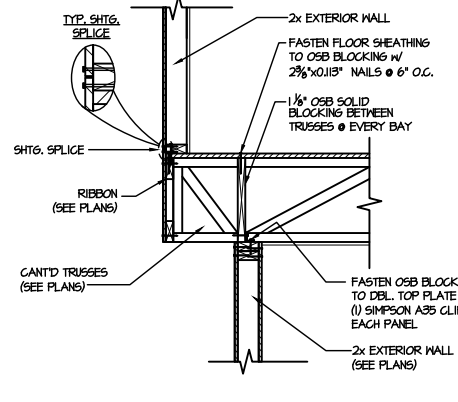
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



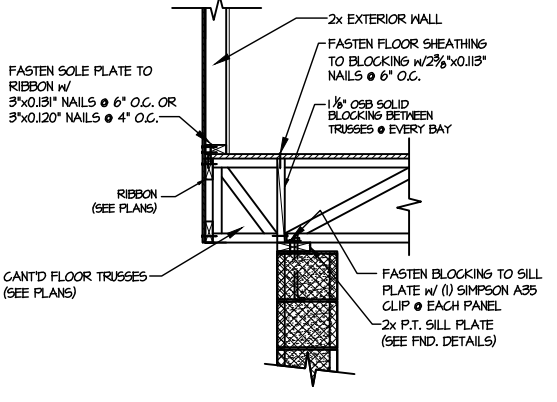
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



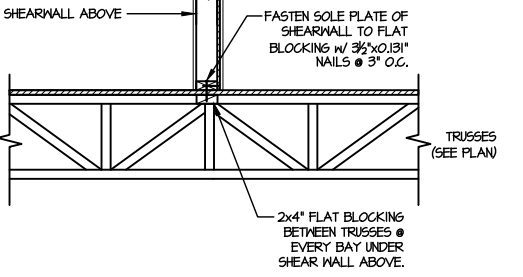
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



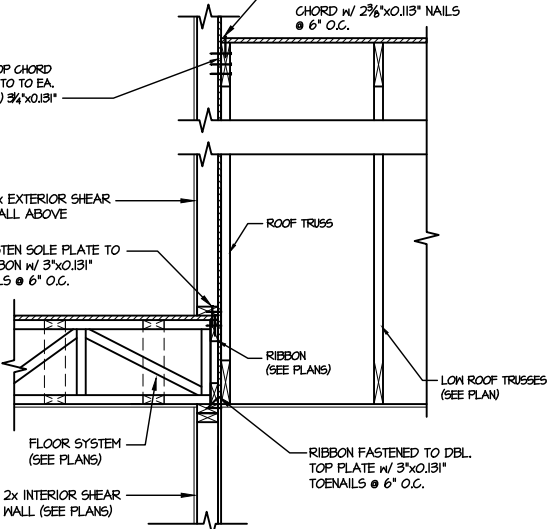
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



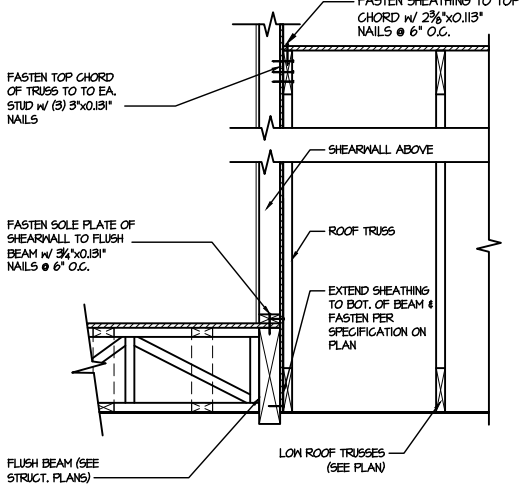
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



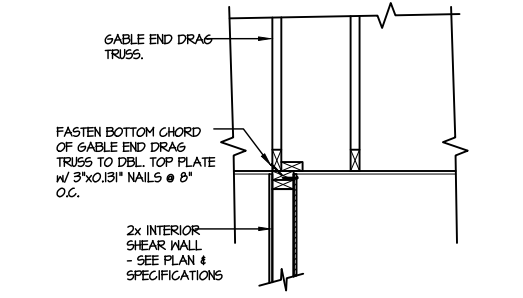
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



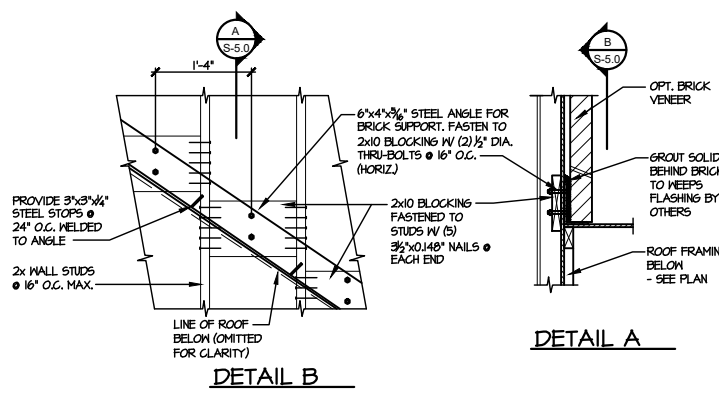
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



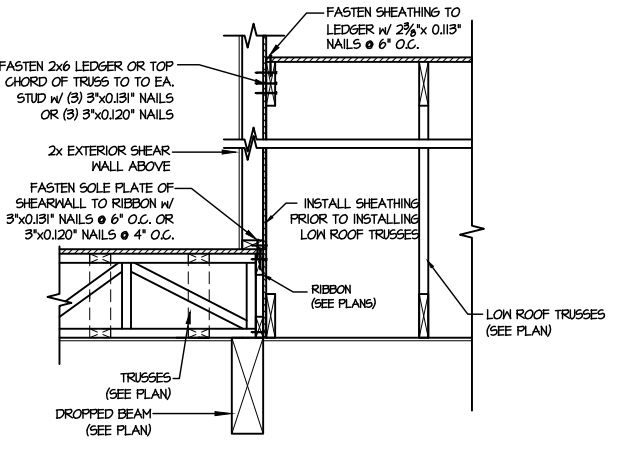
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



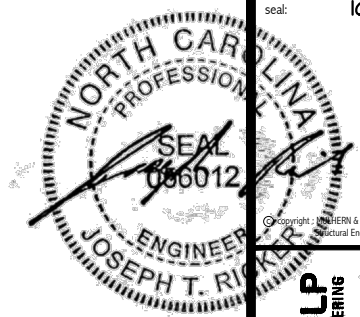
10 INTERIOR GABLE END DETAIL  
SCALE: 3/4"=1'-0"



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



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



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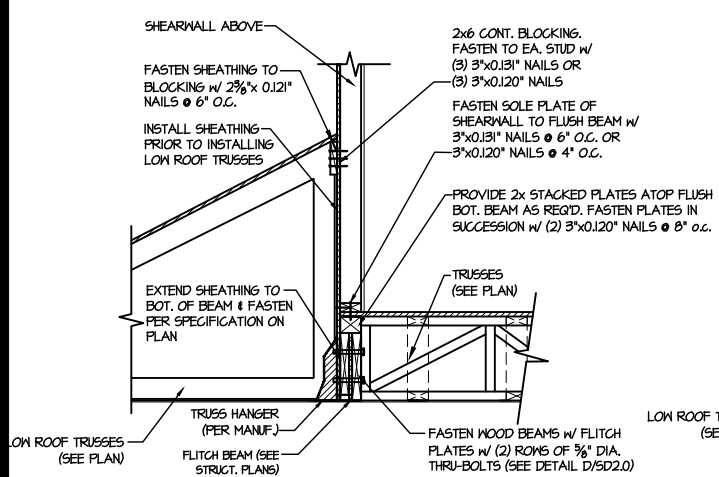
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126-23047  
project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:

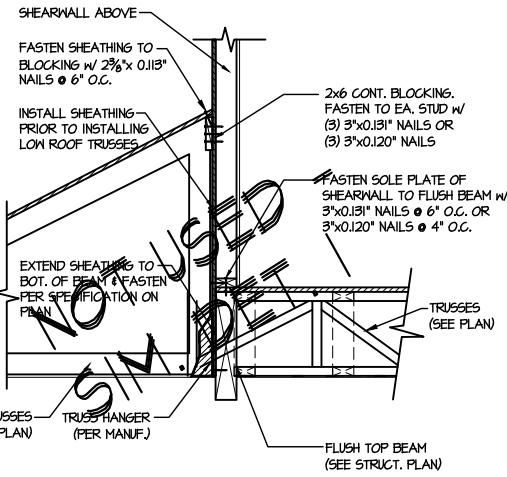
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HOMES

FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

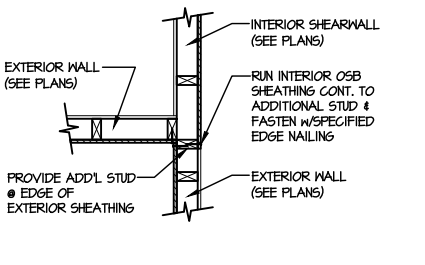
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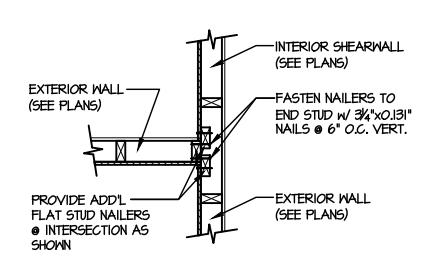
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



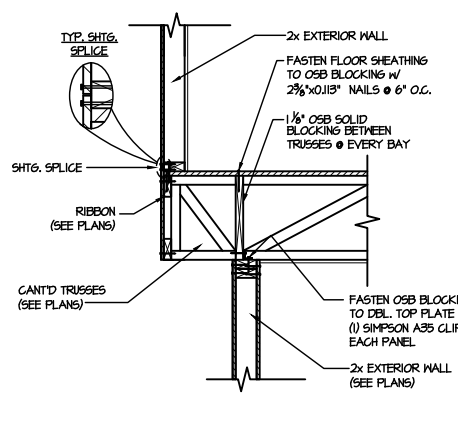
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SCALE: 3/4"=1'-0"



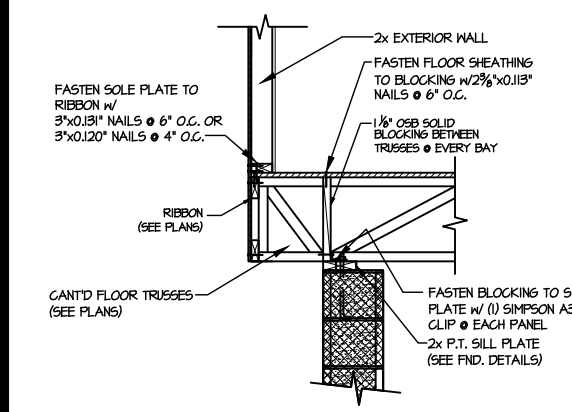
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. OPPOSITE FACES



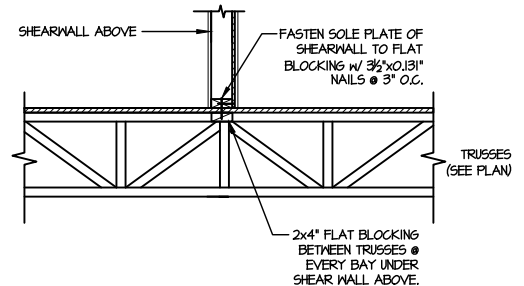
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTG. ON SAME FACE



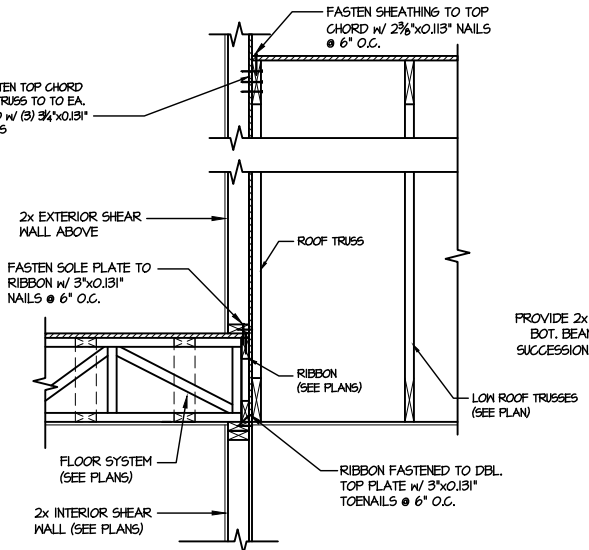
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



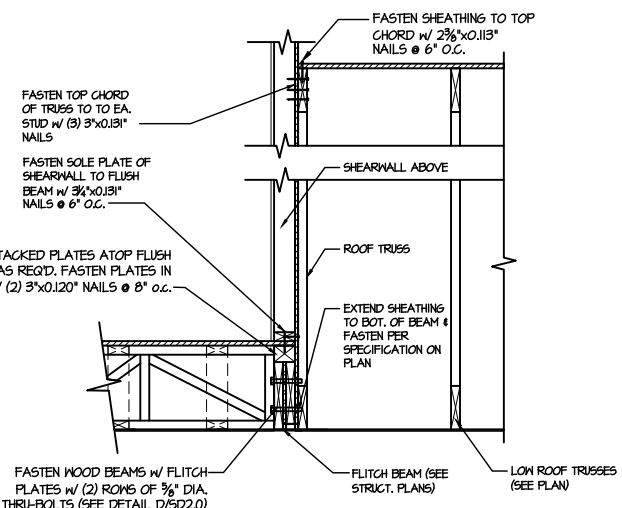
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



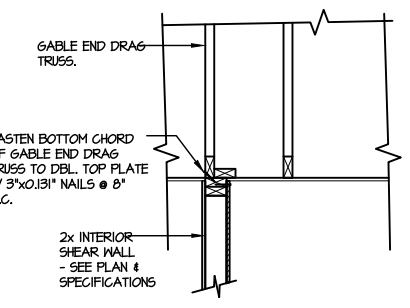
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE  
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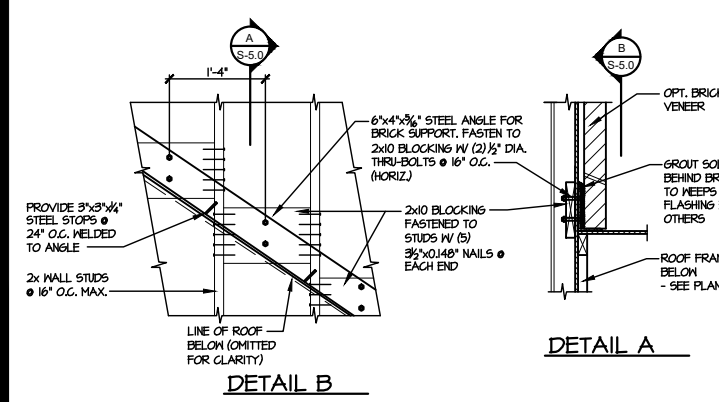
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



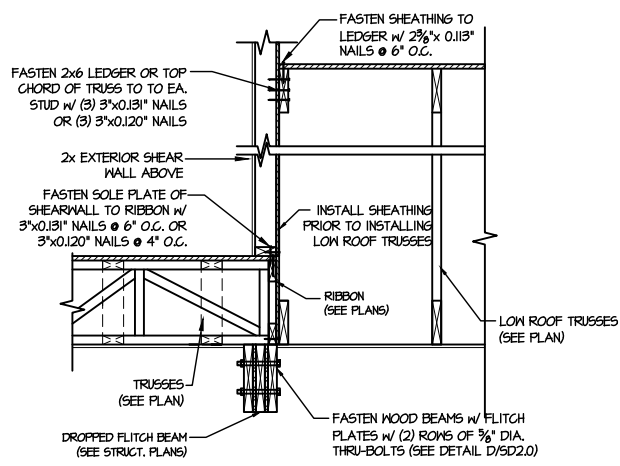
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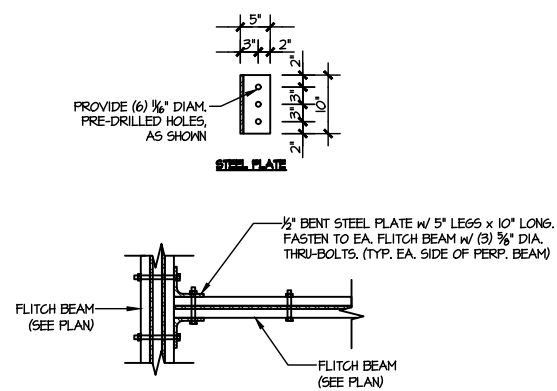
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SCALE: 3/4"=1'-0"



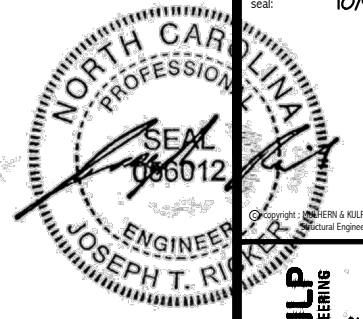
11 DETAIL SUPPORT OF BRICK VENEER  
SCALE: 3/4"=1'-0"



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



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



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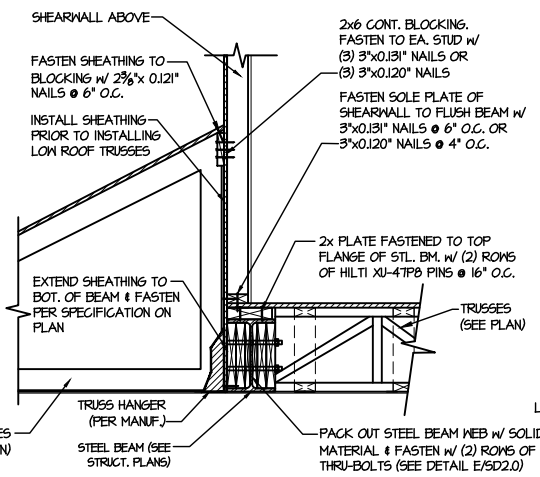
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project mgr: JTR  
drawn by: JAD  
issue date: 10-04-24

REVISIONS:  
date: initial:

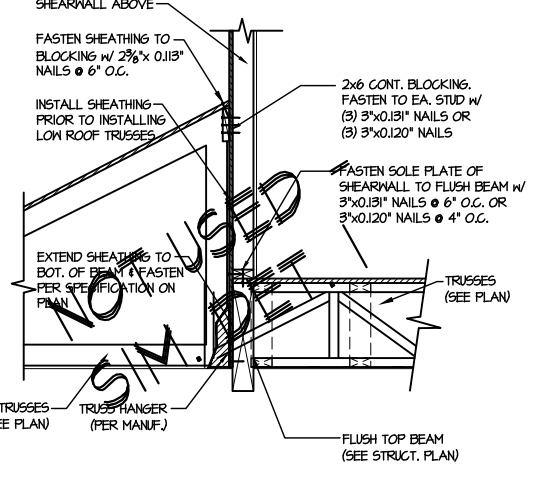
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HOMES

FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

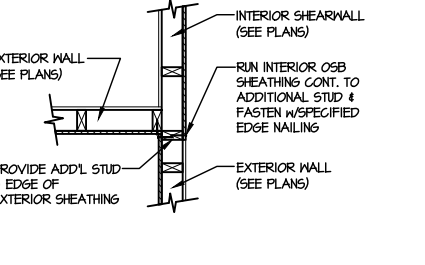
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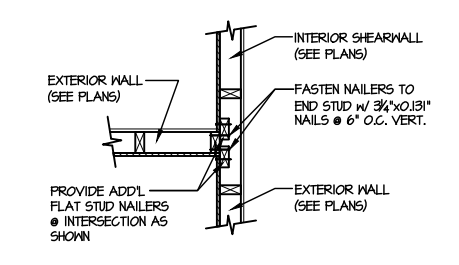
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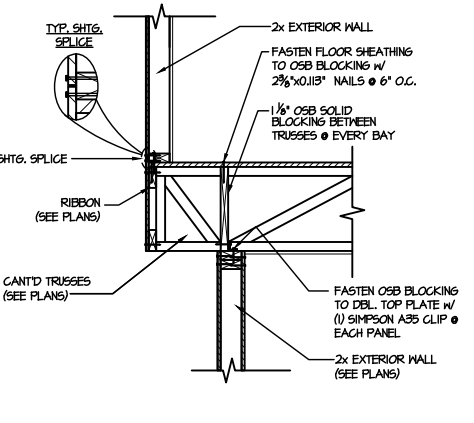
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
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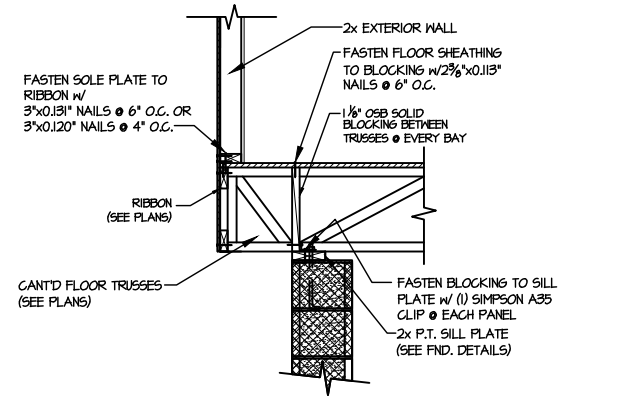
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. OPPOSITE PAGES



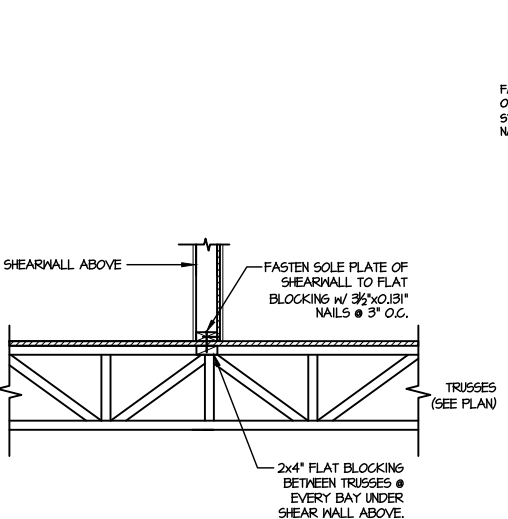
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



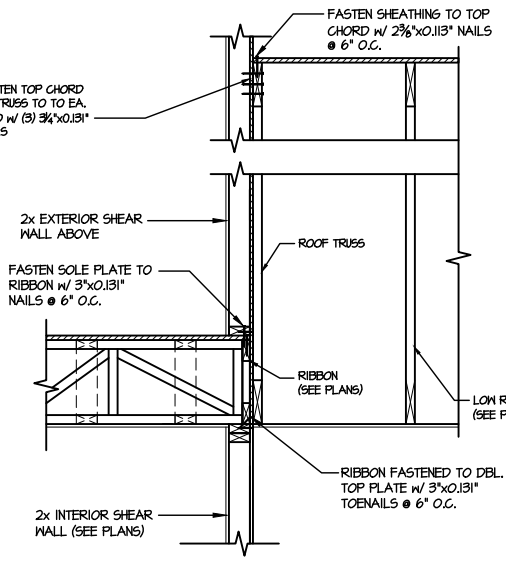
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



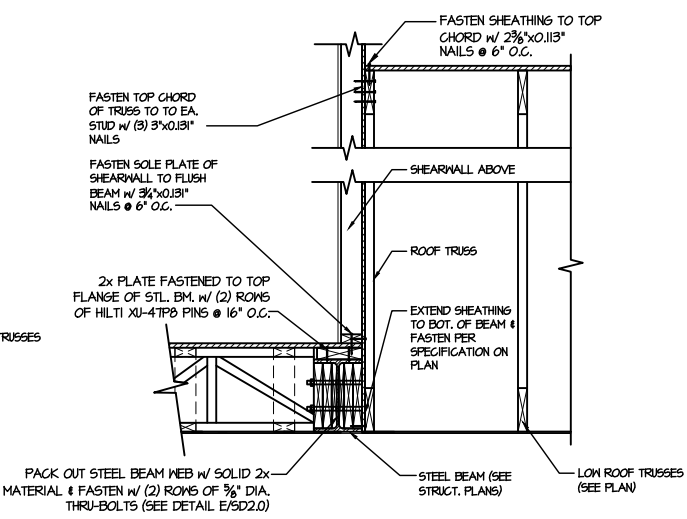
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL  
SCALE: 3/4"=1'-0"



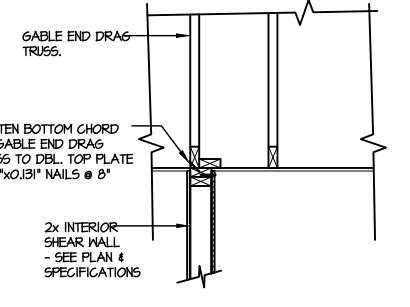
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SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



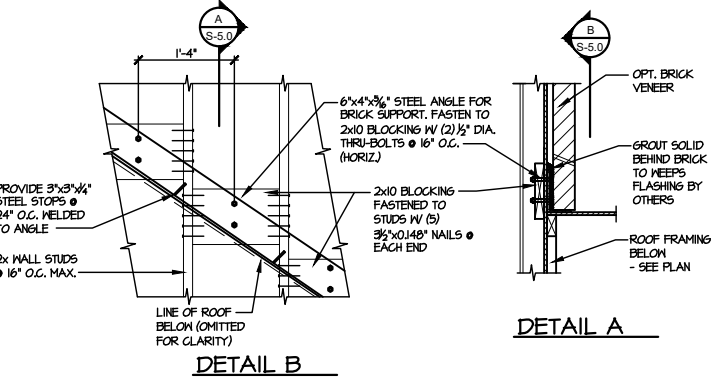
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



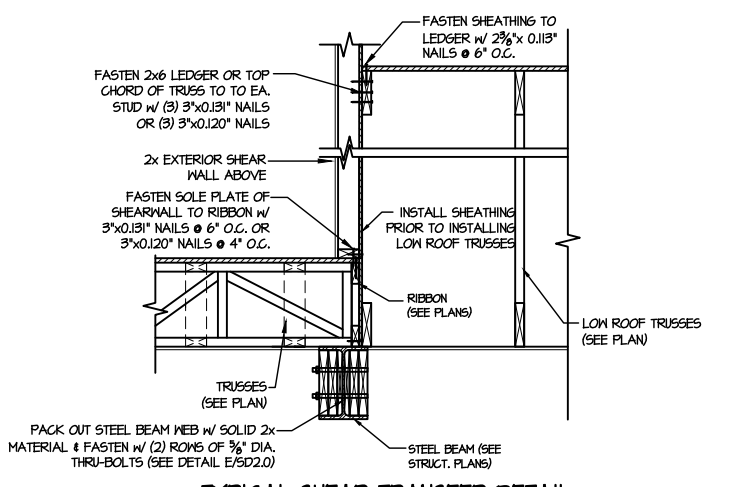
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



10 INTERIOR GABLE END DETAIL  
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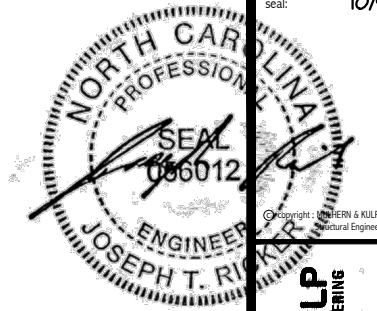


11 DETAIL SUPPORT OF BRICK VENEER  
SCALE: 3/4"=1'-0"



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

FILE: RLH - Honeycutt Hills - Lot 17 - Structural DATE: 10/9/2024 12:25 PM



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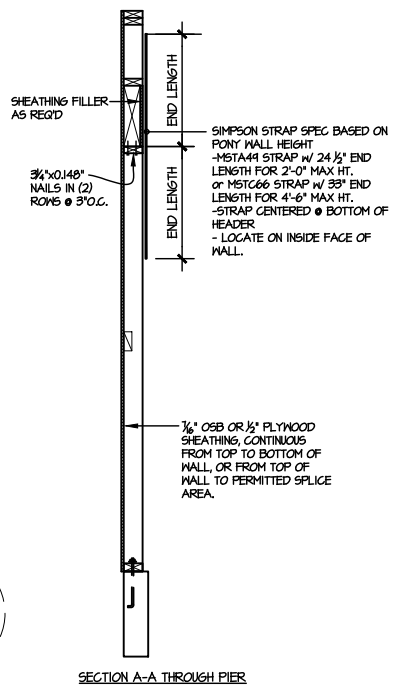
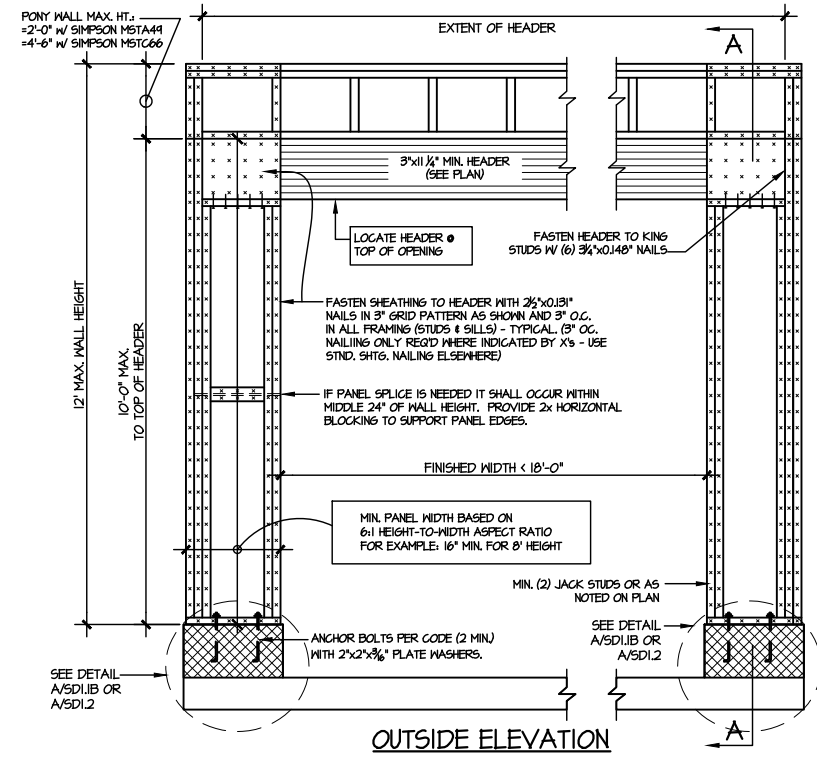
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M&K project number:  
126-23047  
project mgr: JTR  
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REVISIONS:  
date: initial:

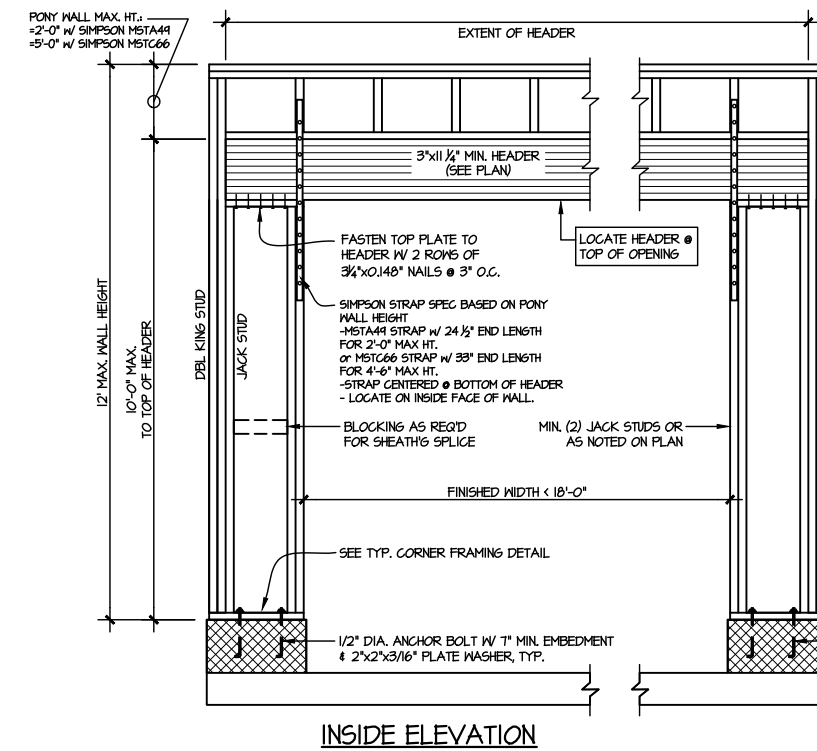
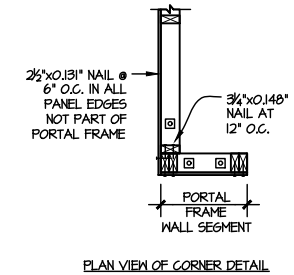


FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet:  
**SD2.2**

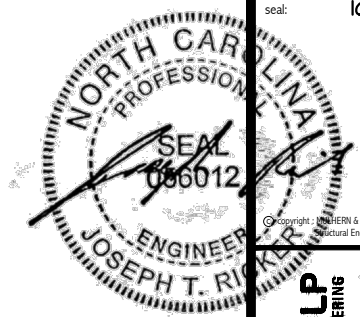


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 3/4" OSB



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

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



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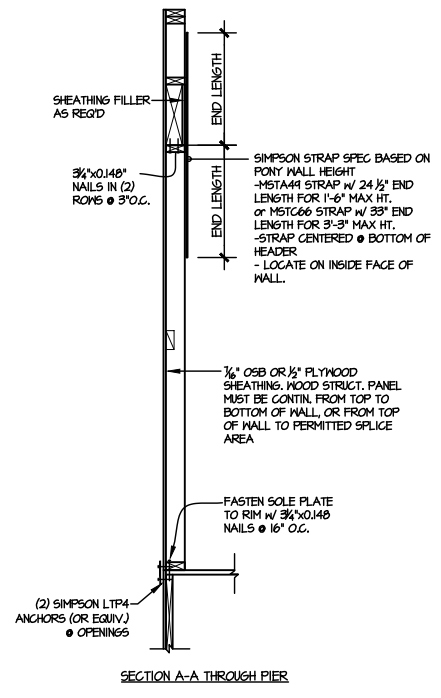
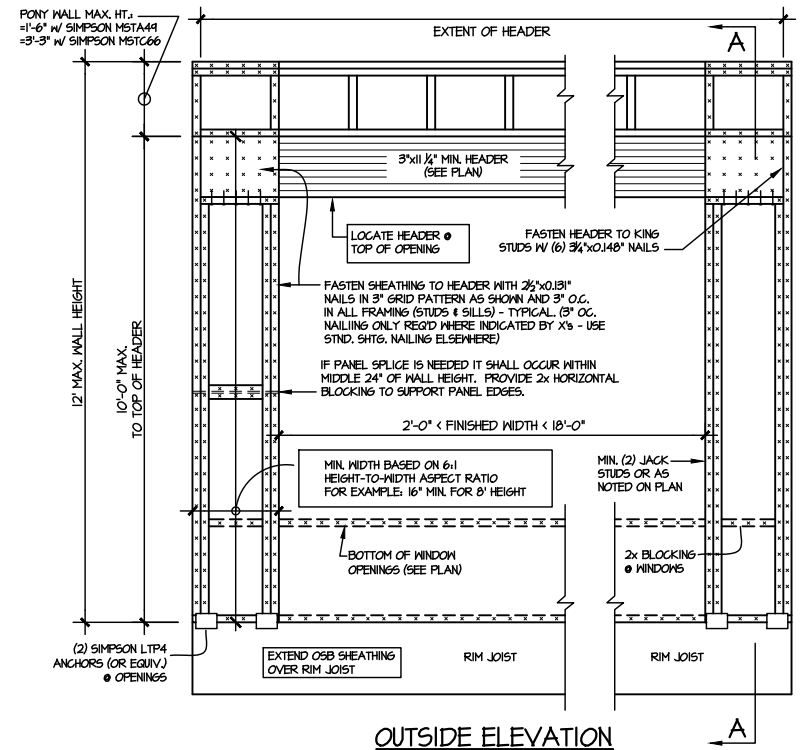
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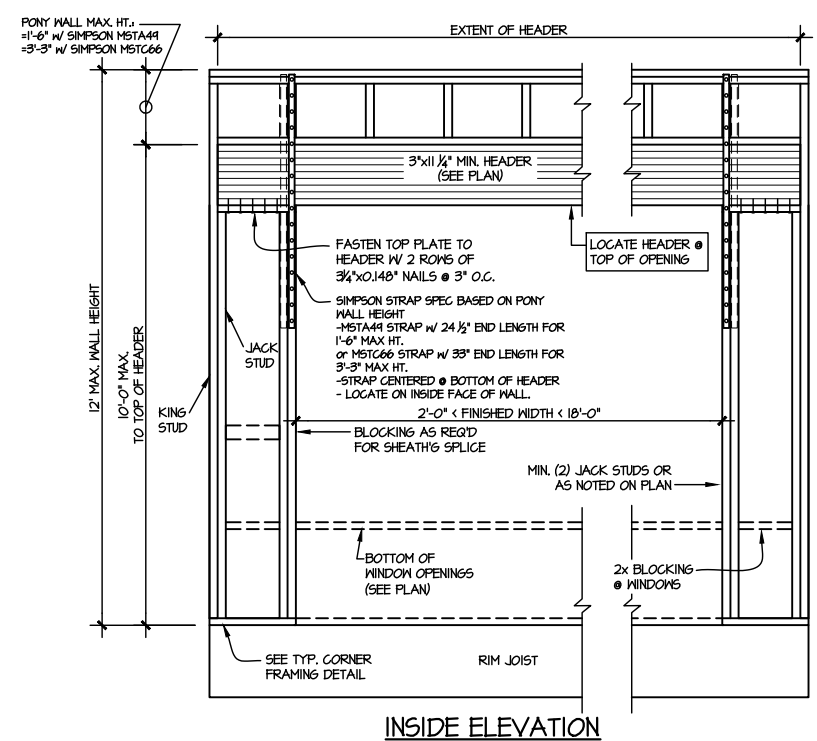
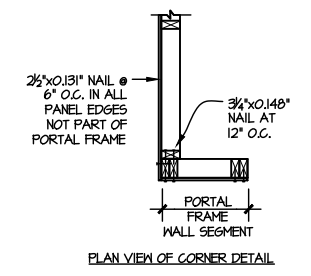


FRAMING DETAILS  
HONEYCUTT HILLS  
LOT 17 - STONEFIELD 7  
RALEIGH, NC

sheet:  
**SD2.3**

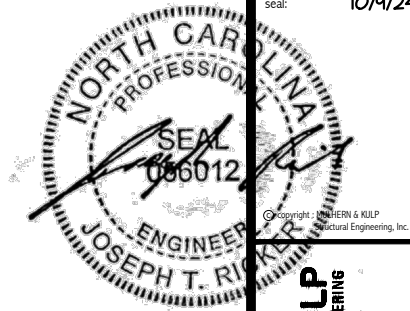


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 3/8" OSB



**DOOR/WINDOW PORTAL FRAME BRACING ELEVATION**  
SCALE: N.T.S. BOTH SIDES OF OPENING





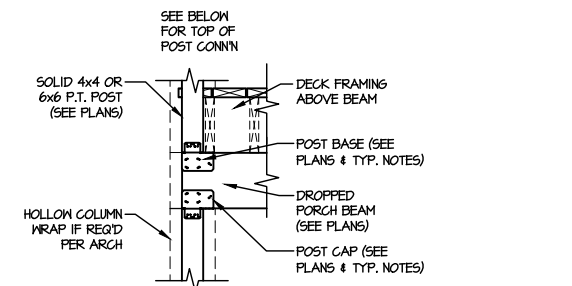
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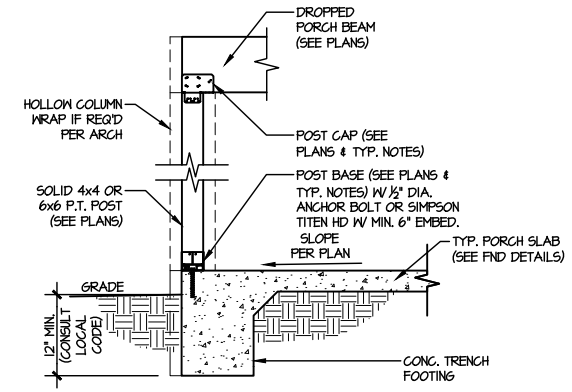
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FRAMING DETAILS  
 HONEYCUTT HILLS  
 LOT 17 - STONEFIELD 7  
 RALEIGH, NC



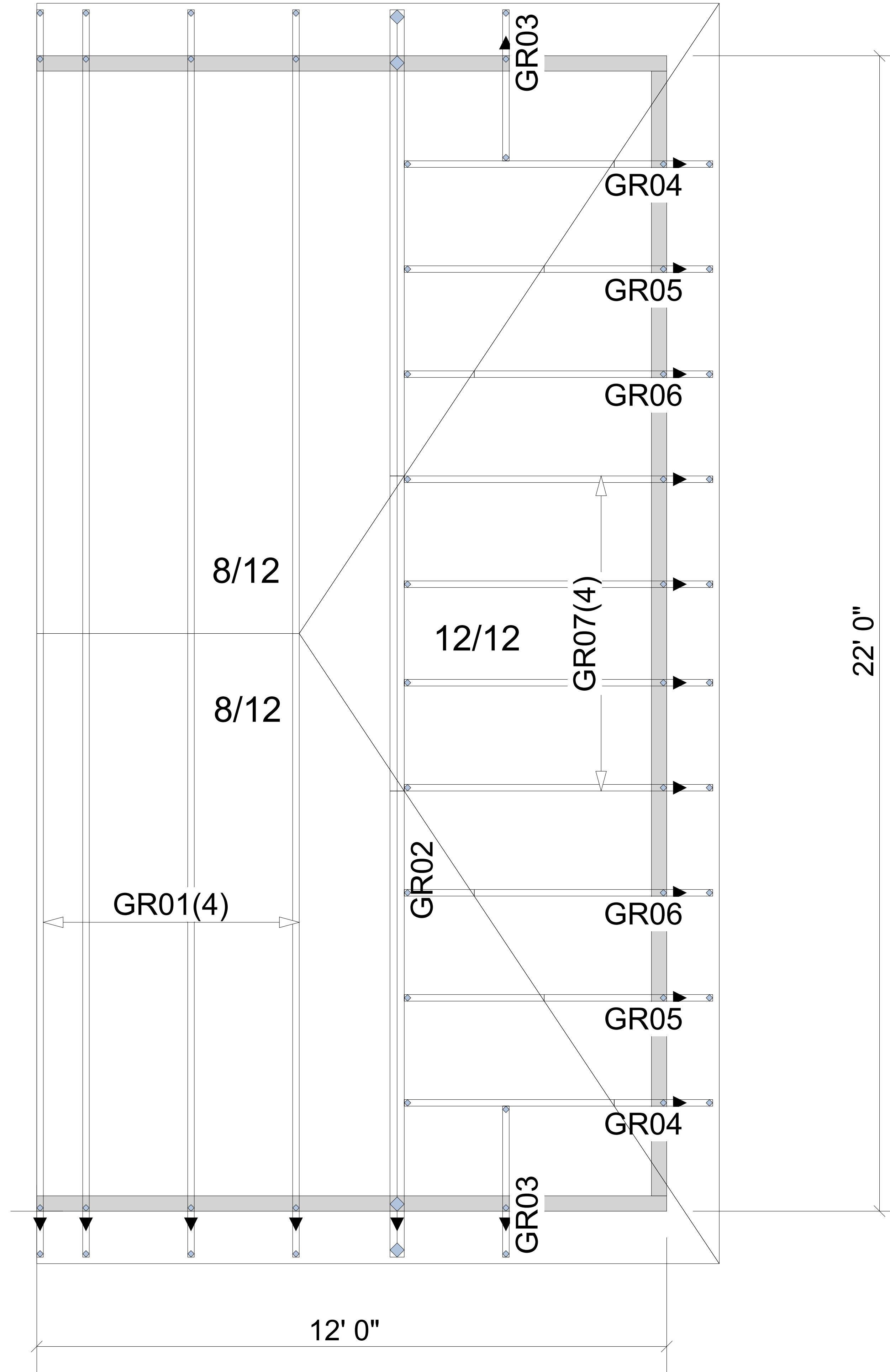
**TYPICAL CONNECTION  
 DETAIL @ 2nd FLOOR DECK**



**TYPICAL PORCH  
 POST CONNECTION DETAIL**

**3** SCALE: NONE SLAB ON GRADE SHOWN (SIM. @ CRAWL & BGMT.)

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



▲ = LEFT END OF TRUSS

REVISIONS:



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

FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0017 HONEYCUTT HILL

Plan Information:  
STONEFIELD-7

ROOF

NOT TO SCALE

Date: 09/30/24

Job #:

Sales Rep: KYLE GIBSON

Phone:

Drawn By: CGT

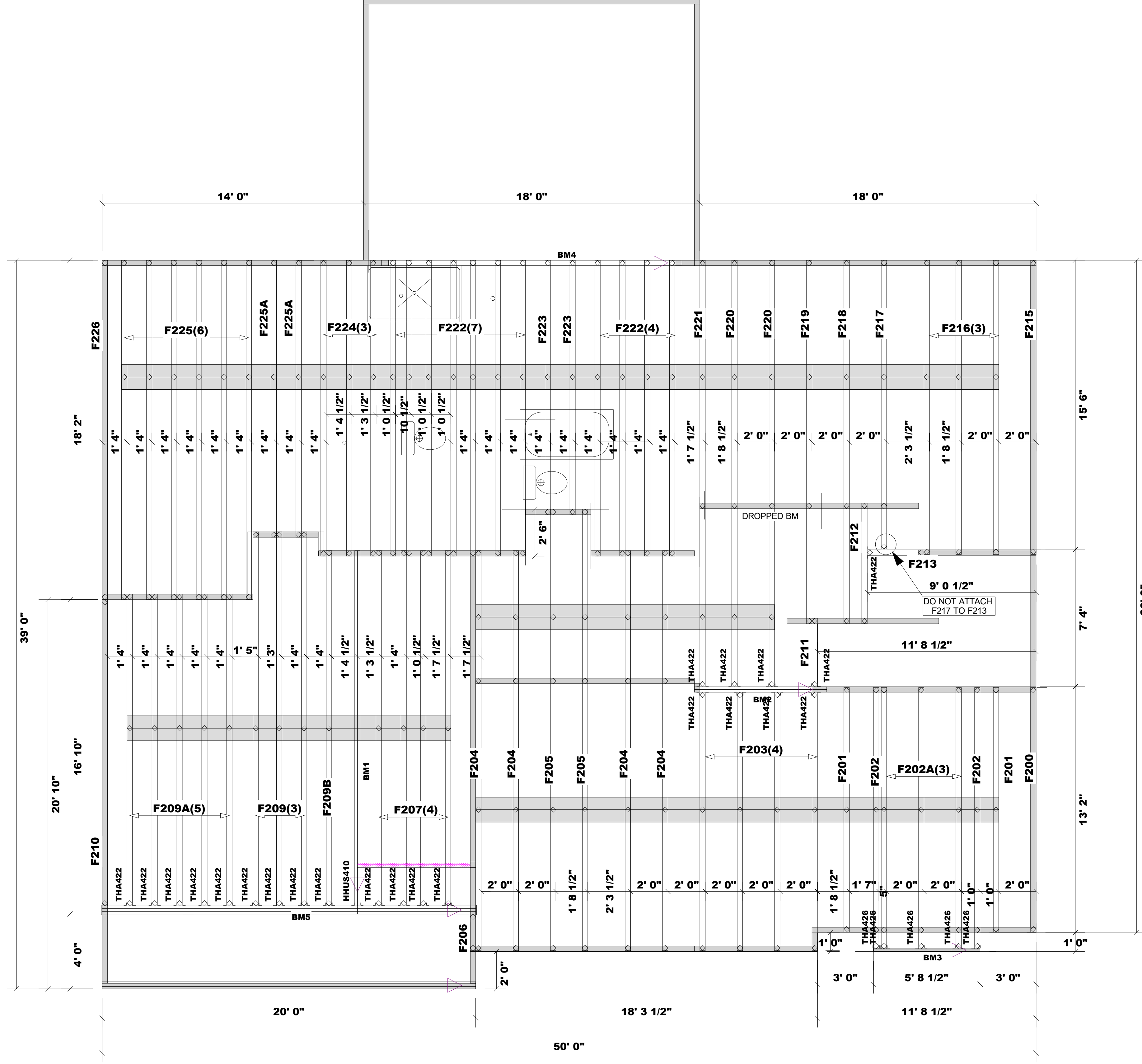
24-8566-R01

**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.

Connector Summary			
Flange	Product	Manuf	Qty
None	HHUS410	Simpson	1

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

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



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 Web: www.atlanticbcs.com

**FOR PERMIT**

Client: DRB GROUP-RALEIGH  
 Job: LOT 0.0017 HONEYCUTT HILL  
 Plan Information: STONEFIELD-7

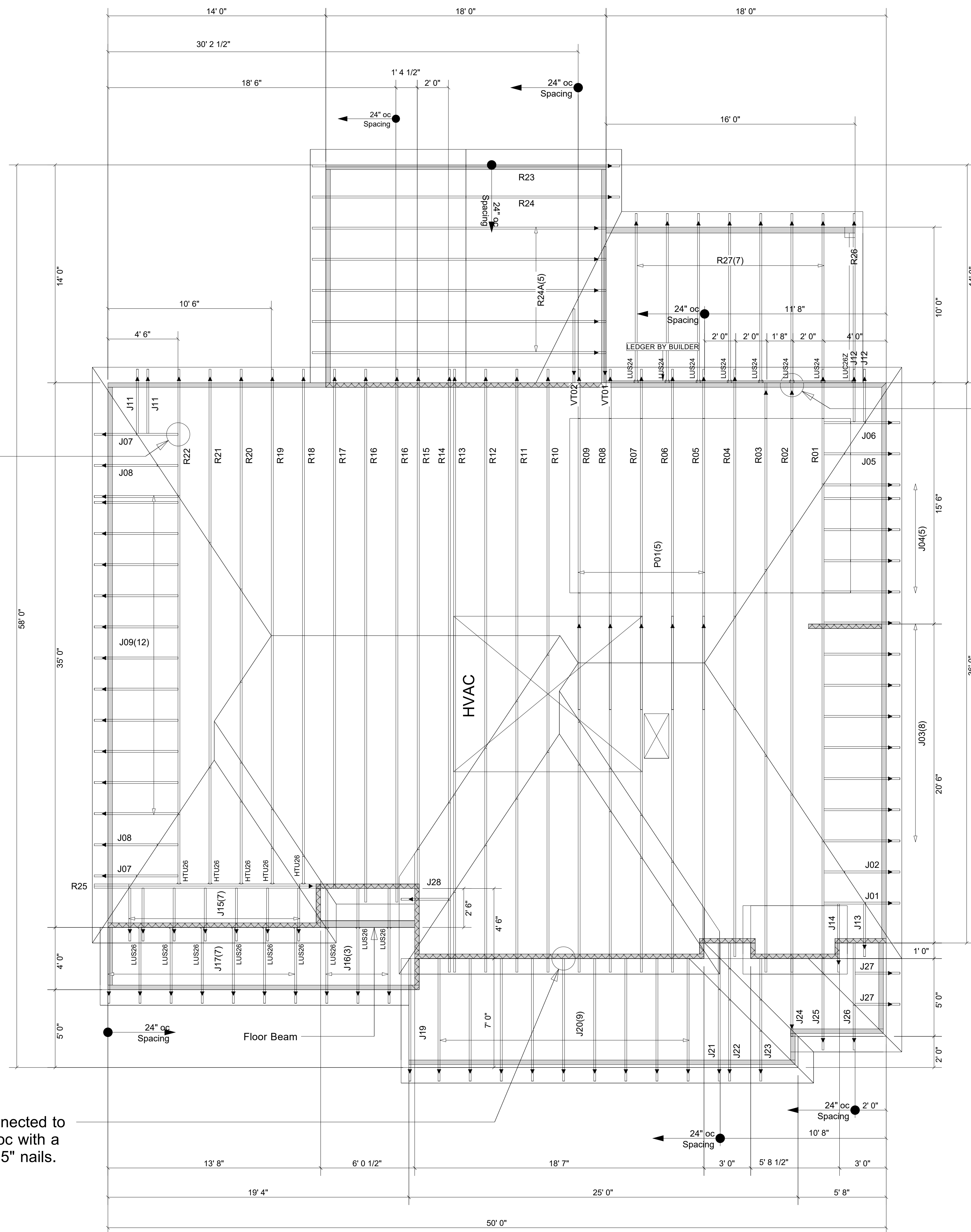
ROOF

NOT TO SCALE  
 Drawn By: CGT  
 Date: 1-11-17  
 Job #: 24-8566-F02  
 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.

Truss Connector Total List		
Qty	Product	Manuf
5	HTU26	Simpson
1	LUC26Z	Simpson
7	LUS24	Simpson
9	LUS26	Simpson

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



The R02 and R03 overhangs must be added in the field.

▲ = LEFT END OF TRUSS

REVISIONS:



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

FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0017 HONEYCUTT HILL

Plan Information:  
STONEFIELD-7

ROOF

NOT TO SCALE

Drawn By: CGT

Date: 09/30/24

Job #: 24-8566-R01

Sales Rep: KYLE GIBSON

Phone: