

STONEFIELD-RALE

RALEIGH - LOT 00.0020 CAMPBELL RIDGE SF

(MODEL# 1635)

ELEVATION 4 - GL

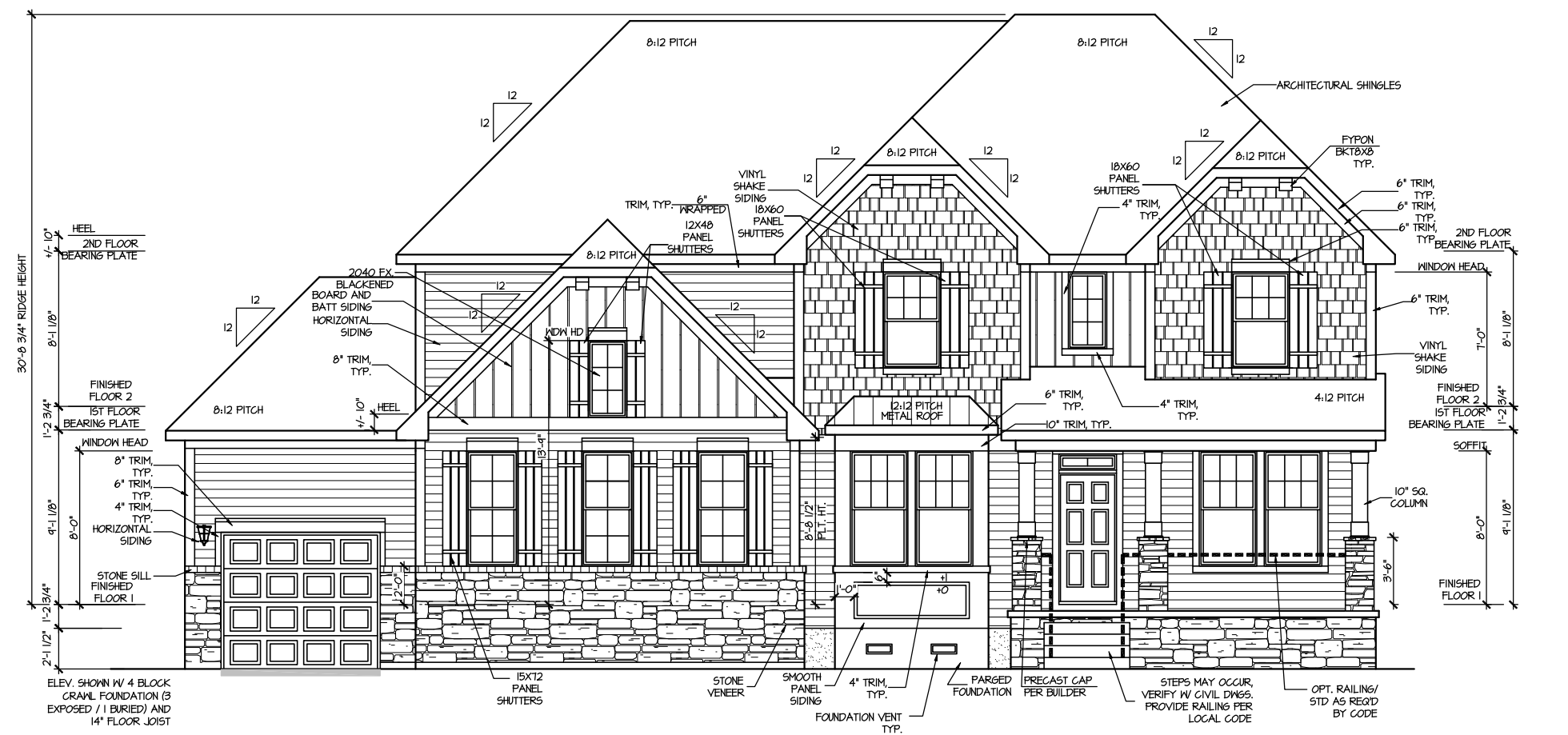
161 Alden Way

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FILE: Lot_00.0020.dwg DATE: 5/28/2025 1:39 PM

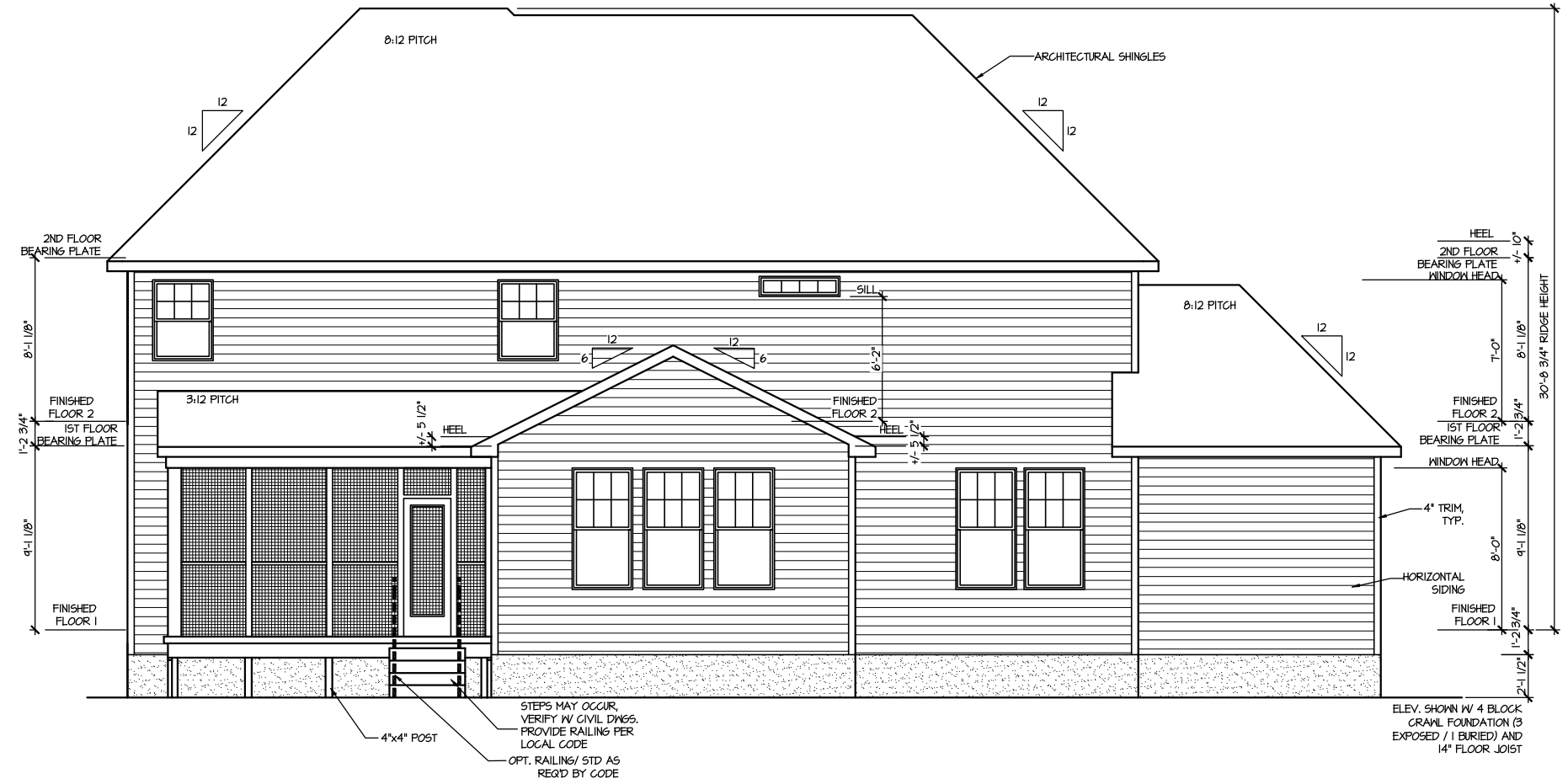
FRONT ELEVATION 4

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



REAR ELEVATION 4

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



MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
3-RALE	07-31-2024		04-30-2025

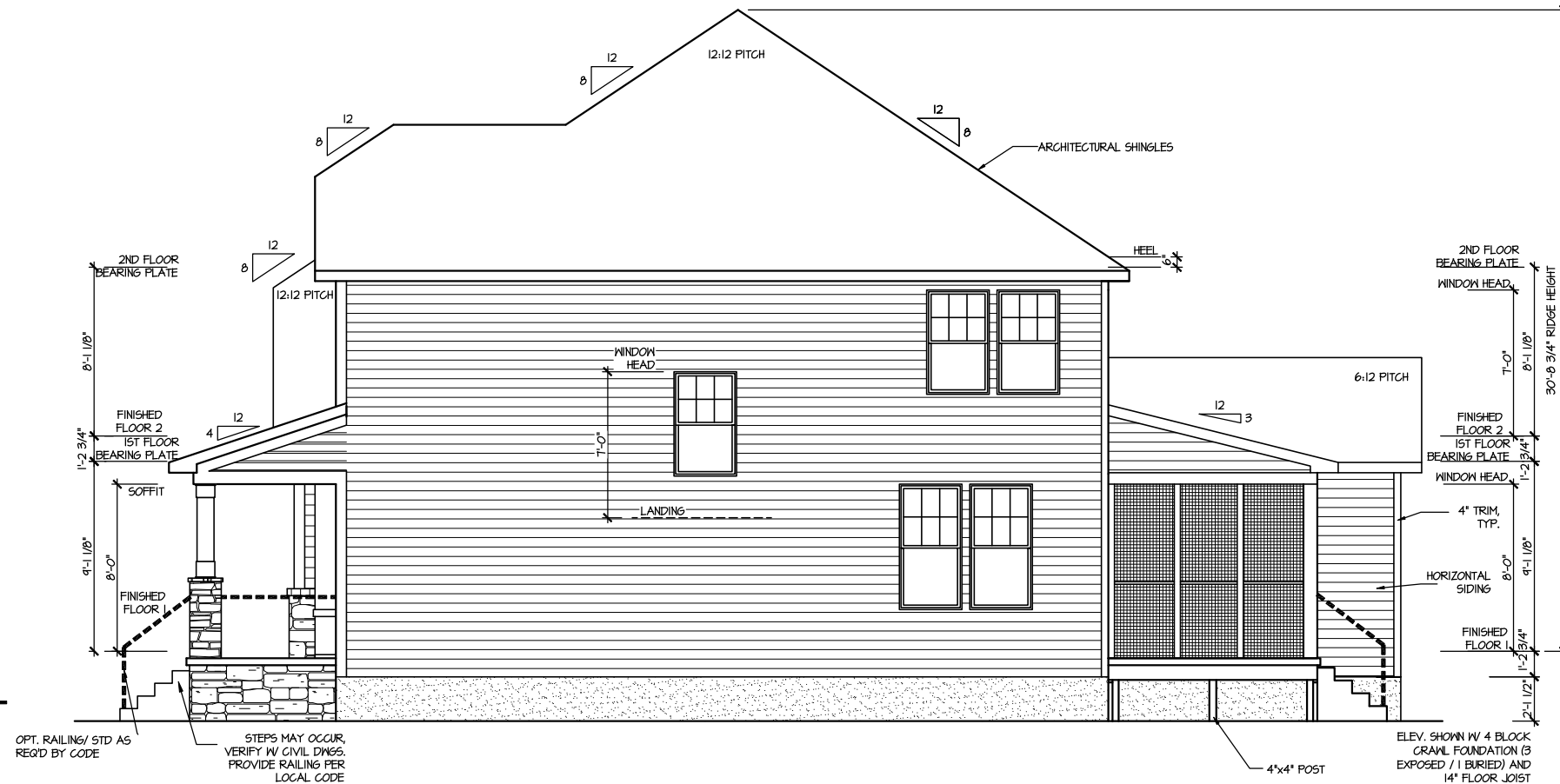
DRAWN BY:	ITS
DATE:	05/28/2025
PLAN NO.	1635



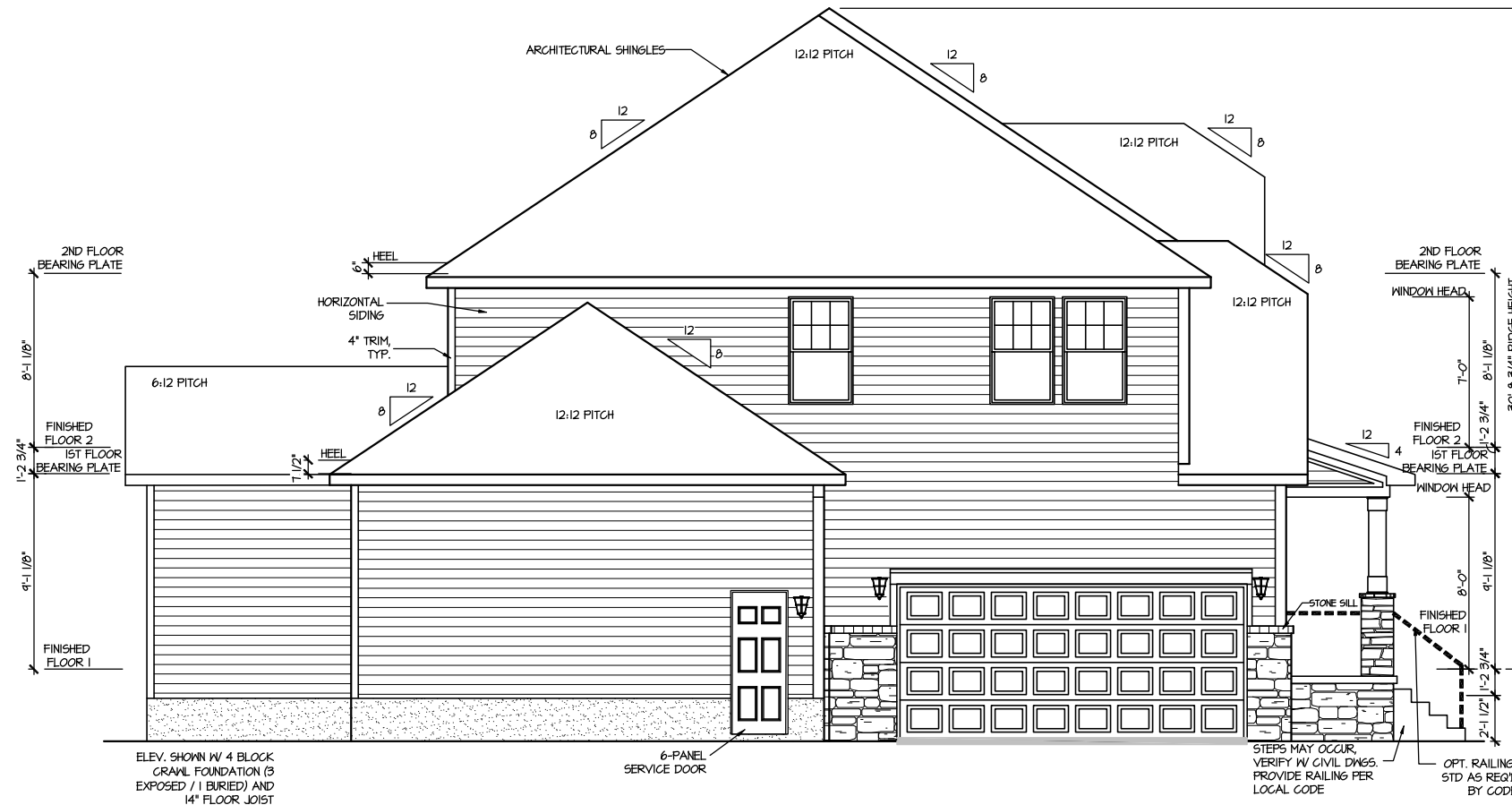
HOUSE NAME:	STONEFIELD
DRAWING TITLE	FRONT & REAR ELEVATIONS
SHEET No.	A.1

FILE: Lot_00.0020.dwg DATE: 5/28/2025 1:39 PM

RIGHT ELEVATION 4
SCALE: 1/8" = 1'-0"



LEFT ELEVATION 4
SCALE: 1/8" = 1'-0"



MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
3-RALE	07-31-2024	04-30-2025

DRAWN BY: ITS

DATE: 05/28/2025

PLAN NO. 1635

DRB
HOMES

HOUSE NAME: STONEFIELD

DRAWING TITLE

RIGHT & LEFT ELEVATIONS

SHEET No.

A1.2

ATTIC VENT CALCULATION FOR PLAN '4'

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 1 = 1742 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 11.65 SQ. FT.
1 TO 300 = 5.81 SQ. FT.
50% IN TOP THIRD = 2.901 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 RDS)
62 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 3245 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
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 = 84 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 5.43 SQ. FT.
1 TO 300 = 2.71 SQ. FT.
50% IN TOP THIRD = 1.355 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 RDS)
23 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.41 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
8 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 5 = 144 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.46 SQ. FT.
1 TO 300 = 0.23 SQ. FT.
50% IN TOP THIRD = 0.23 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 RDS)
1 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.271 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
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 2 = 252 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 1.60 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 RDS)
8 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.435 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
4 LINEAR FEET OF RIDGE X 10 SQ. IN. = 0.5 SQ. FT.
0.5 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

UPPER ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 142 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 0.441 SQ. FT.
1 TO 300 = 0.2205 SQ. FT.
50% IN TOP THIRD = 0.2205 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.

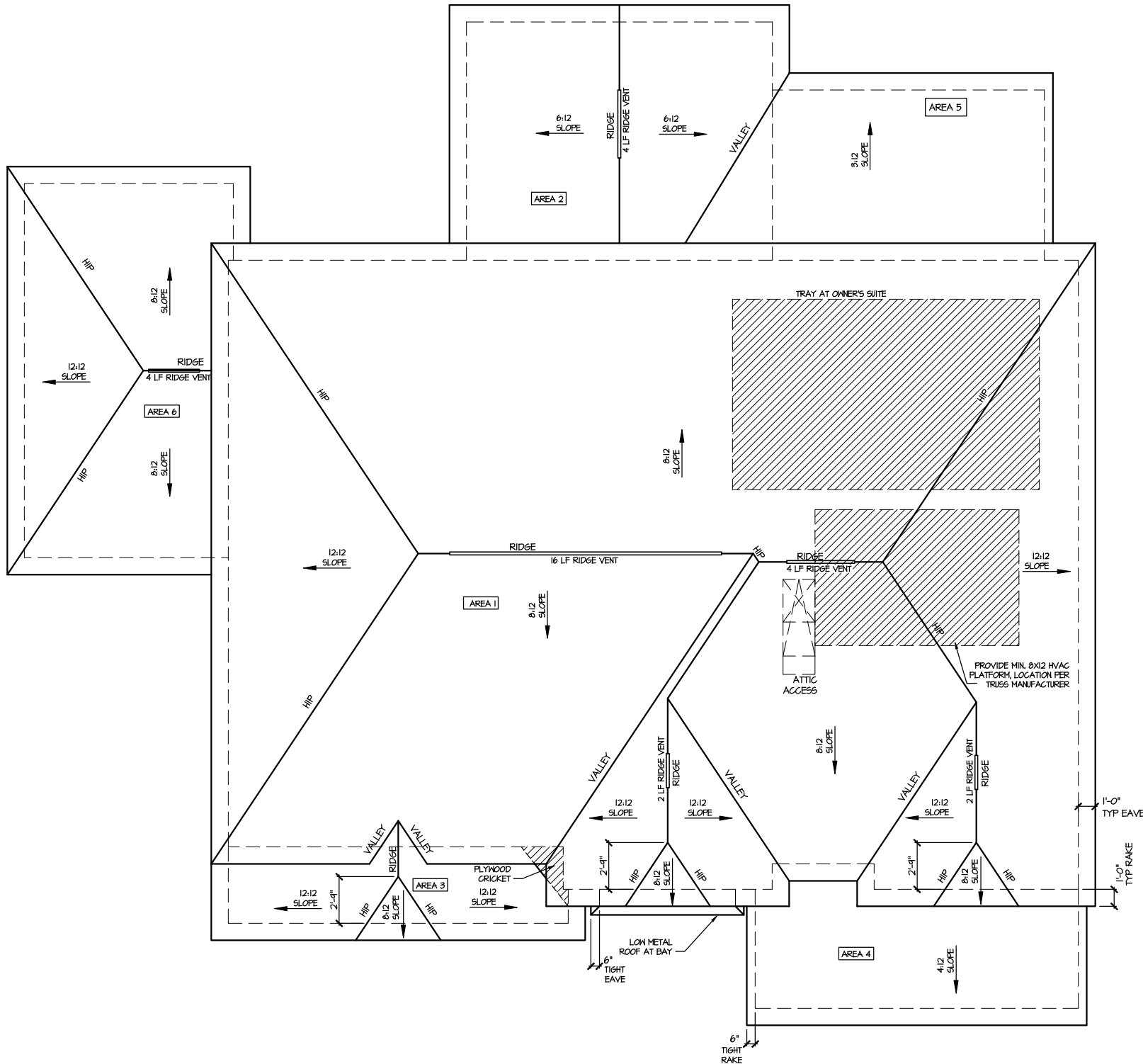
LOWER VENTING (BOTTOM 2/3 RDS)
20 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.71 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
8 LINEAR FEET OF RIDGE X 10 SQ. IN. = 1 SQ. FT.
1 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

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 RDS)
10 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 0.346 SQ. FT.
UPPER VENTING (TOP 1/3 RD)
4 LINEAR FEET OF RIDGE X 10 SQ. IN. = 0.5 SQ. FT.
1 SQ. FT. AT 50%
(1 TO 300 ALLOWED)

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



ROOF PLAN ELEV. 4

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

MASTER PLAN INFORMATION			
REVISION	DATE	UPDATED DATE	
3-RALE	07-31-2024	04-30-2025	

DRAWN BY:	ITS
DATE:	05/28/2025
PLAN NO.	1635

DRB
HOMES

HOUSE NAME:
STONEFIELD
DRAWING TITLE
ROOF PLAN

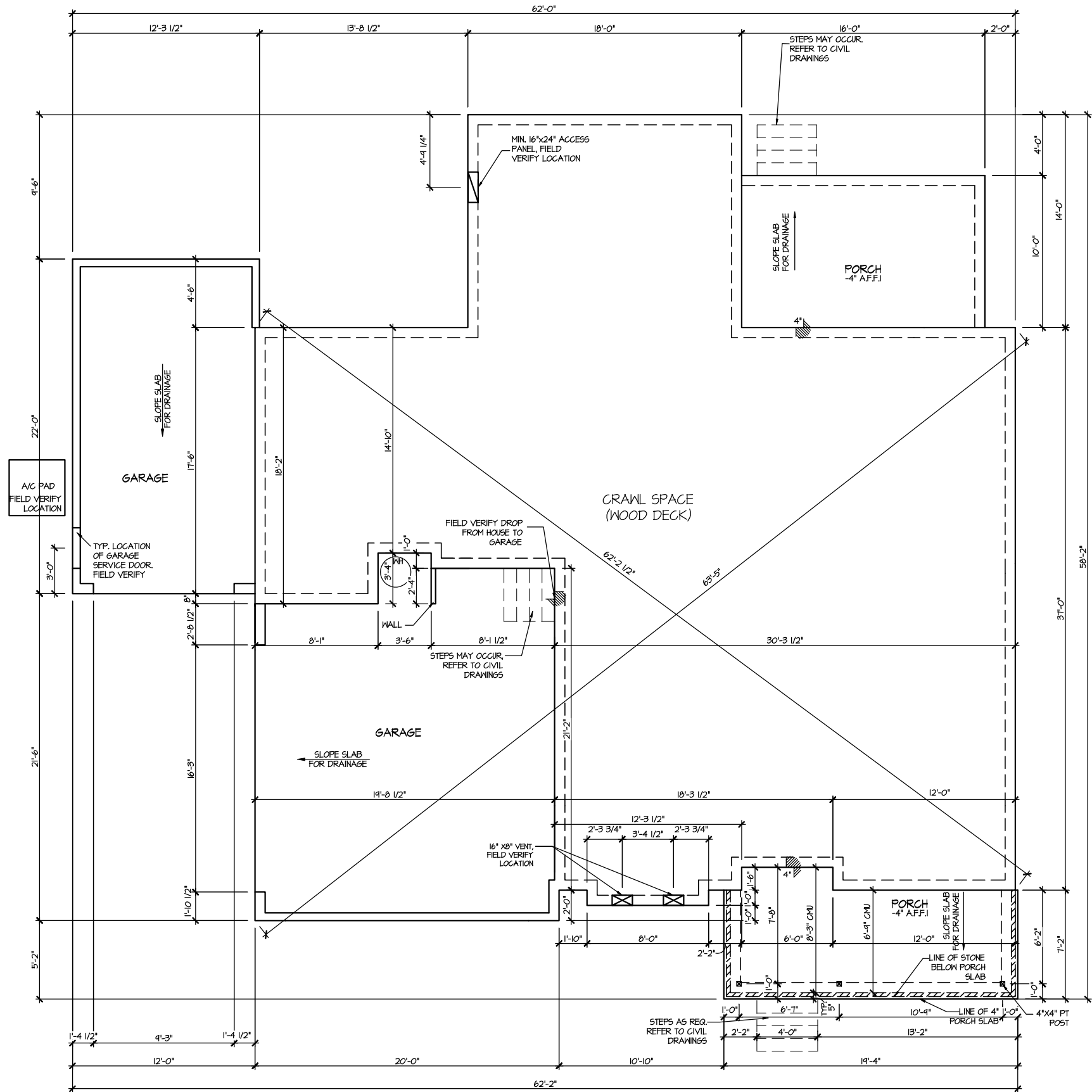
SHEET No.
A1.3

CRAWL SPACE VENT CALCULATIONS: ELEV 4
CRAWL AREA = 1552 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 SQ. IN. PER 1 SQ. FT. = 1552 SQ. IN.

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

VENTING REQUIREMENT:
1552 SQ. IN. / 72 SQ. IN. = 21.6 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 4
CRAWL SPACE PLAN
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION			
REVISION	DATE	UPDATED DATE	
3-RALE	07-31-2024	04-30-2025	

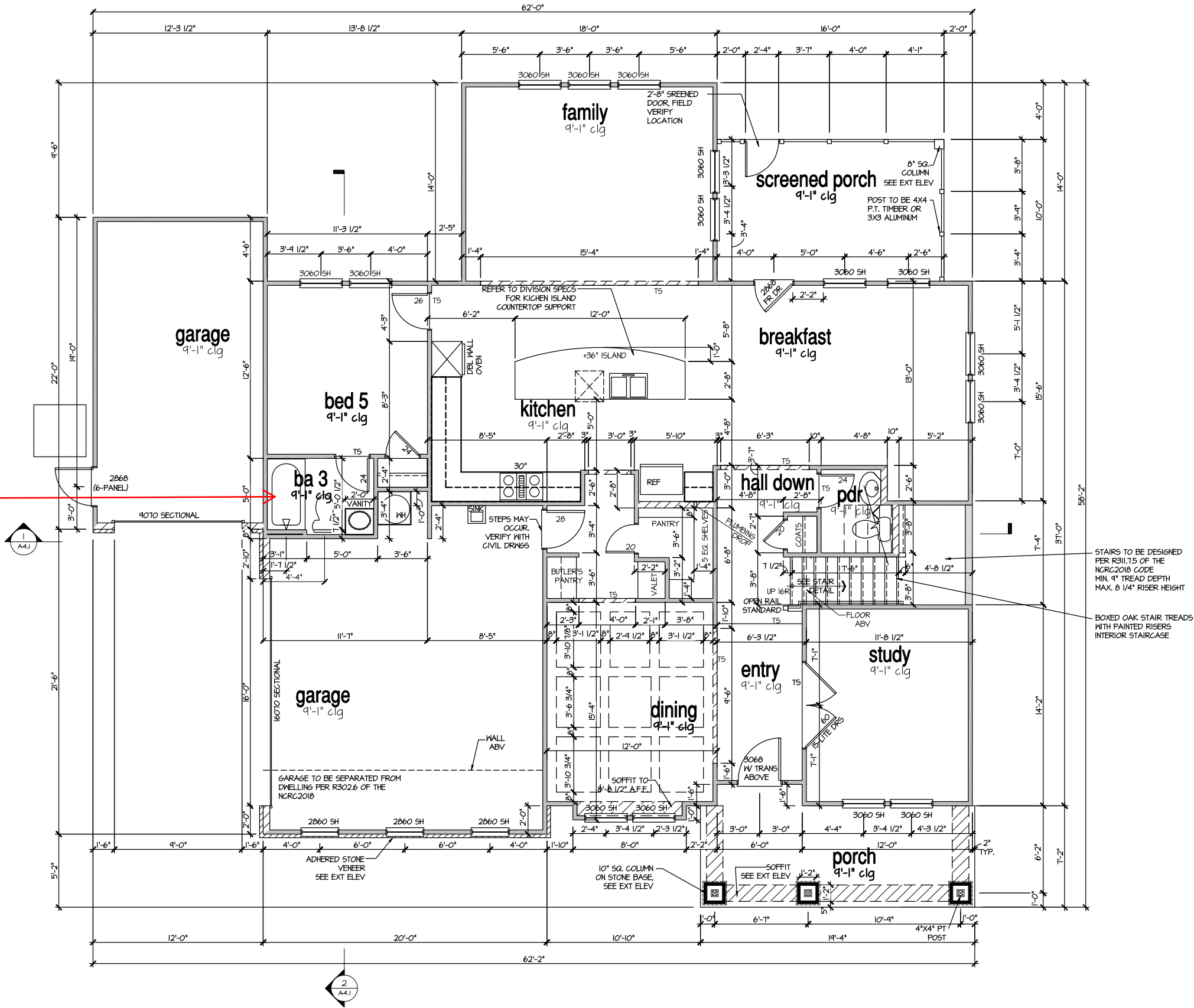
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DATE:	05/28/2025
PLAN NO.	1635

DRB
HOMES

HOUSE NAME:
STONEFIELD
DRAWING TITLE
CRAWL SPACE PLAN

SHEET No.
A2.1

Level 1 Tile Shower
w/Fiber Glass Pan
ILO Std. bath



ELEVATION 4
FIRST FLOOR PLAN

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

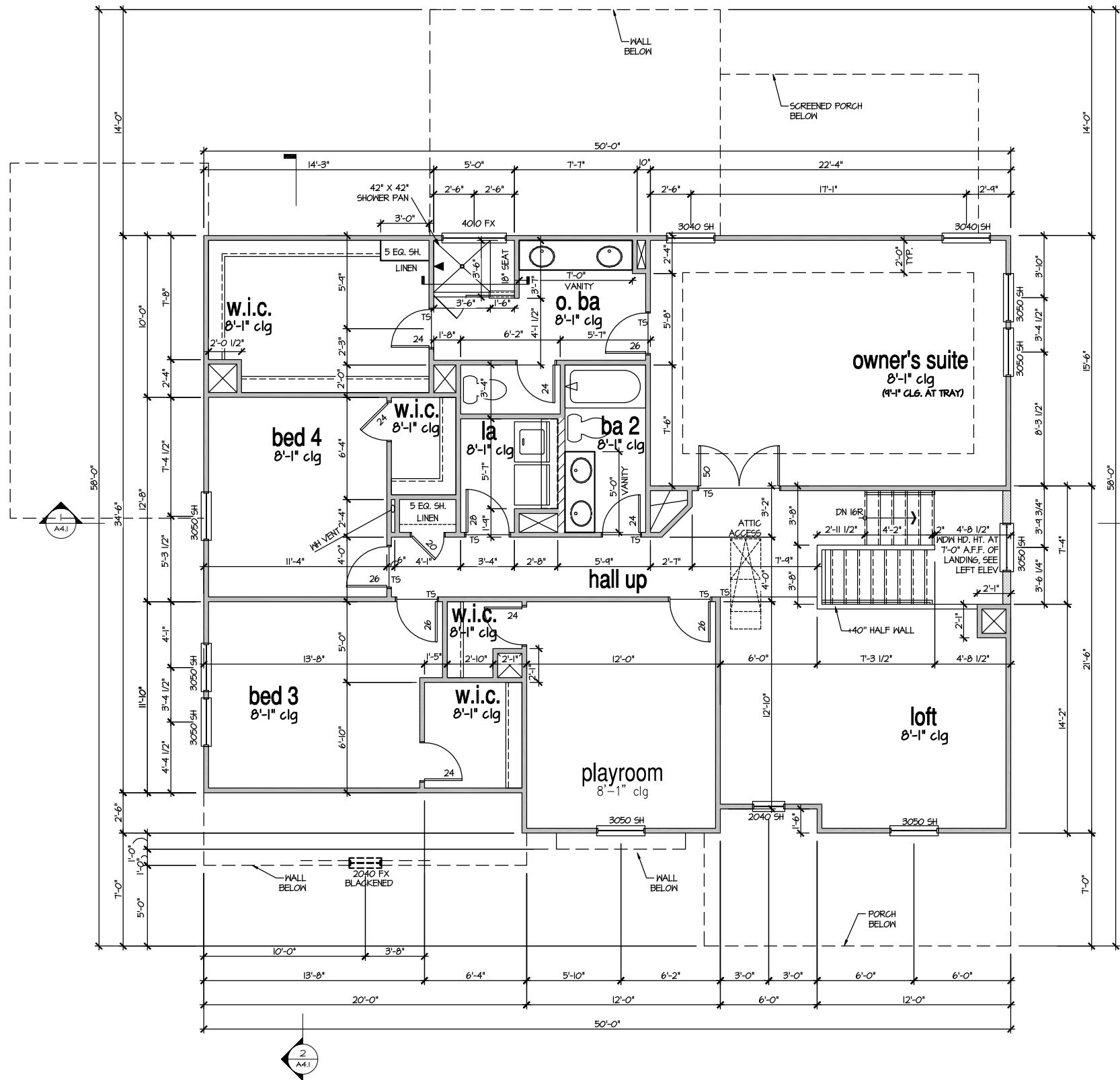
DRAWN BY:
ITS
DATE: 05/28/2025
PLAN NO.
1635



HOUSE NAME:
STONEFIELD
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No.
A3.1

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	07-31-2024	04-30-2025



ELEVATION 4
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION			
REVISION	DATE	UPDATED DATE	
3-RALE	07-31-2024	04-30-2025	

DRAWN BY:	ITS
DATE:	05/28/2025
PLAN NO.	1635

DRB
HOMES

HOUSE NAME:	STONEFIELD
DRAWING TITLE	SECOND FLOOR PLAN

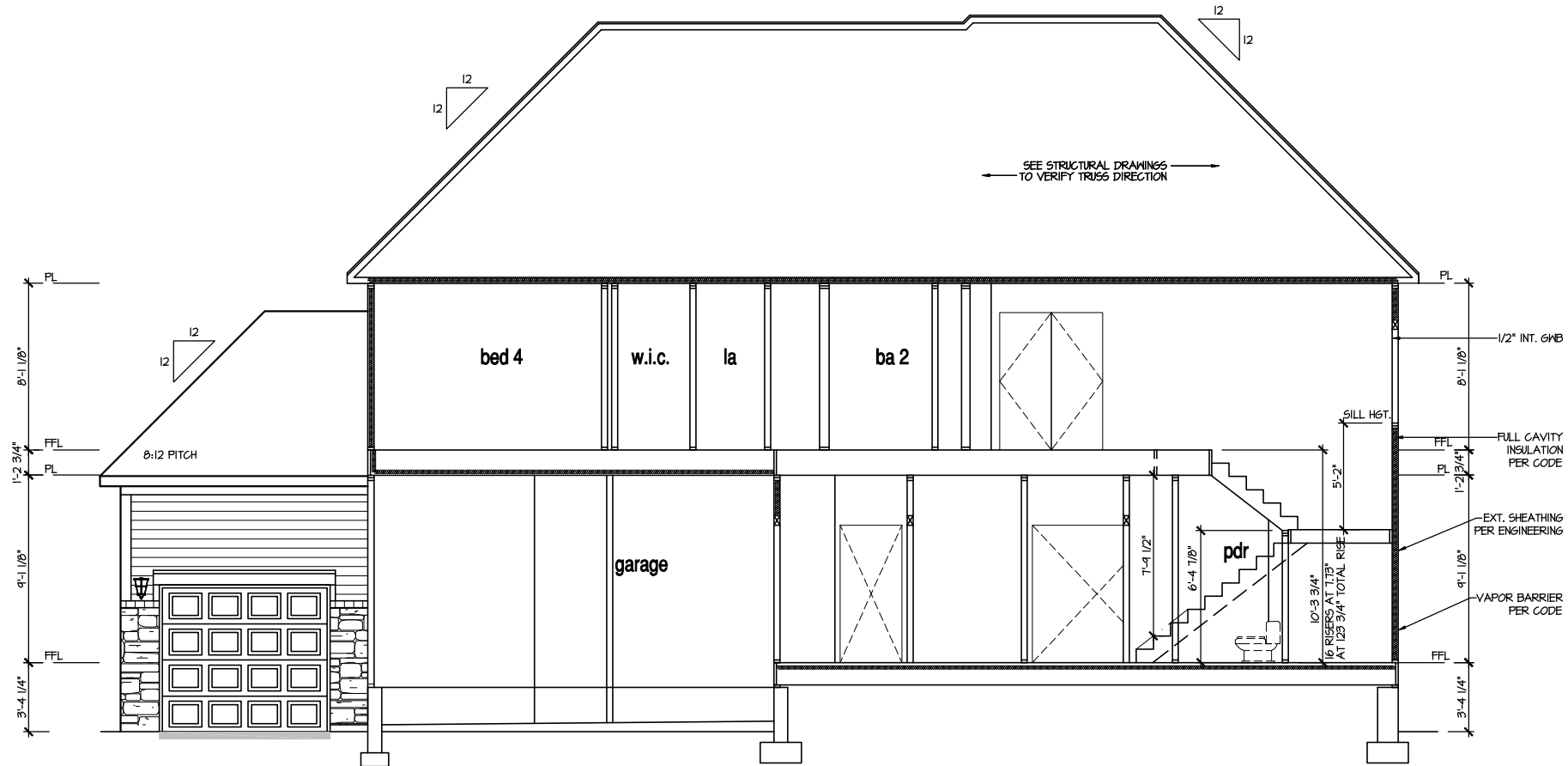
SHEET No.	A3.2
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FILE: Lot_00.0020.dwg DATE: 5/28/2025 1:39 PM

9'-1" STAIR NOTE:
(USE 14" TJI WITH 3/4" PLYWOOD SUBFLOOR)
15 TREADS AT 10" EACH VERIFY
16 RISERS AT +/- 1.13" = 123 3/4" TOTAL
RISE VERIFY

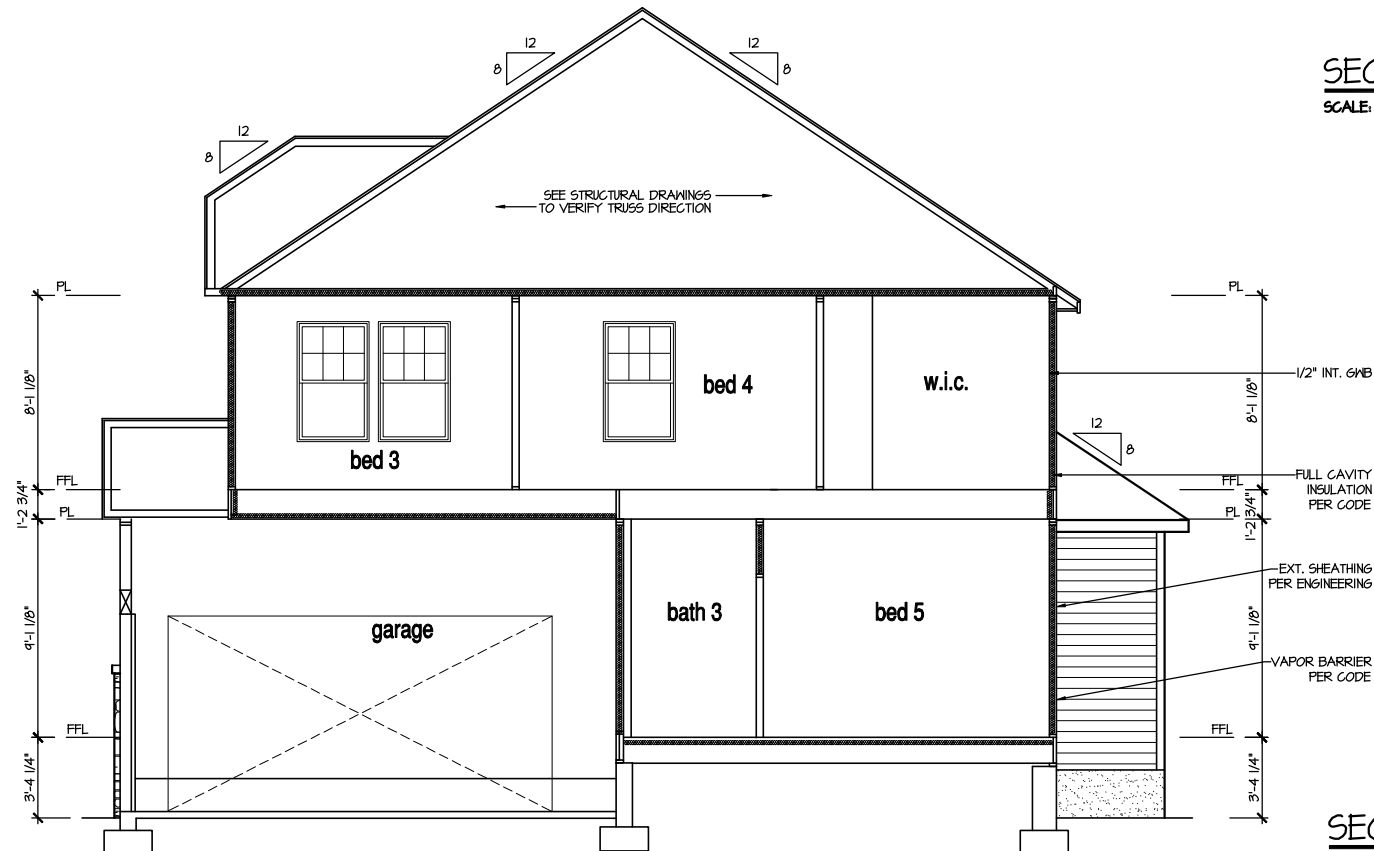
NOTES:

- 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
 - CEILING WITH ATTIC ABOVE: R-30 BATTS MINIMUM. VERIFY
 - FLOOR OVER GARAGE: R-14 BATTS MINIMUM. VERIFY
 - ATTIC KNEEWALL: R-14 BATTS MINIMUM. VERIFY
- PER STATE RESIDENTIAL CODE COMPLIANCE METHOD TO BE DETERMINED BY BUILDER.



SECTION I

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



SECTION 2

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

MASTER PLAN INFORMATION	
REVISION	DATE
3-RALE	07-31-2024
UPDATED DATE	
04-30-2025	

DRAWN BY: ITS
DATE: 05/28/2025
PLAN NO. 1635

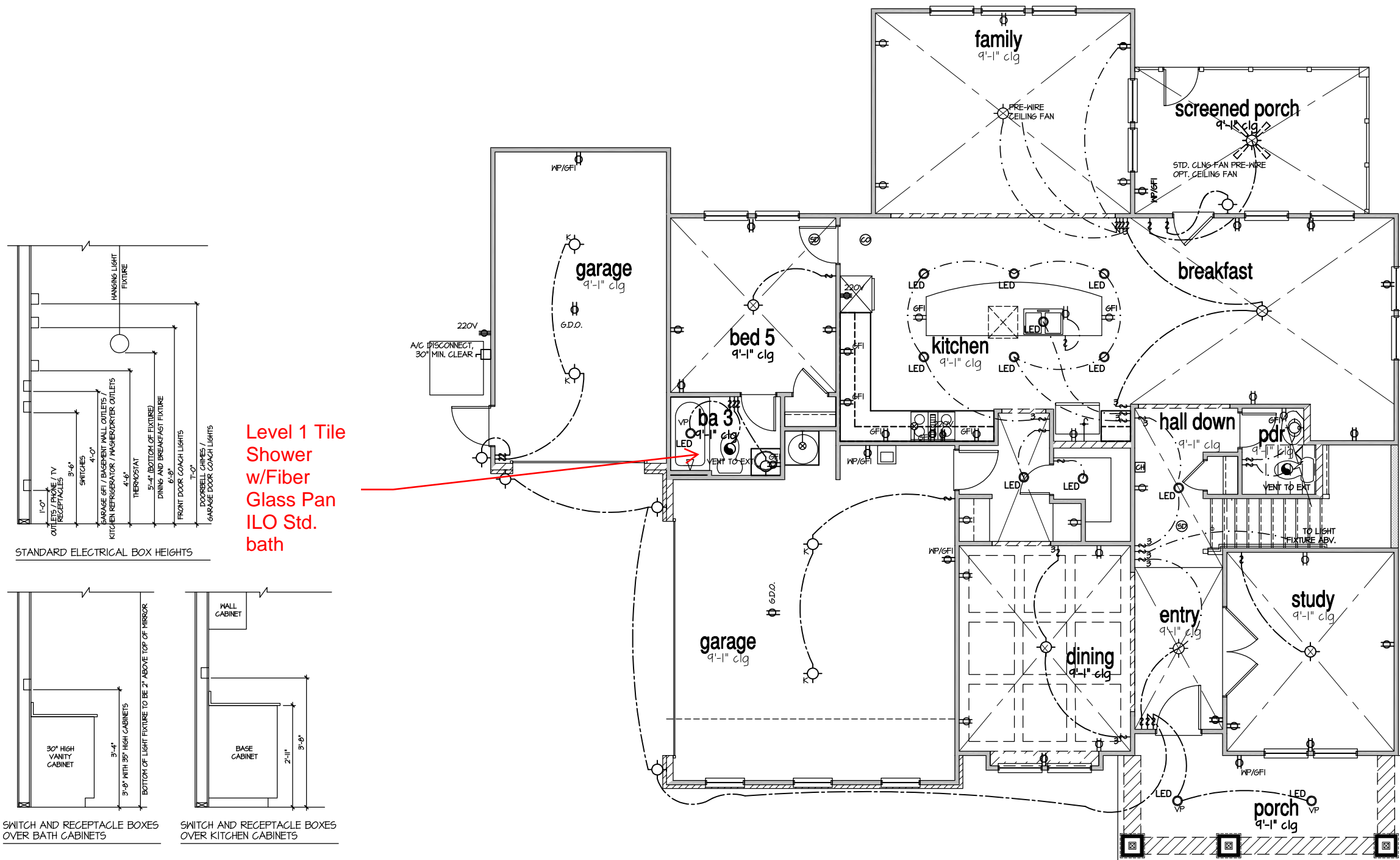
DRB HOMES

HOUSE NAME: STONEFIELD
DRAWING TITLE: BUILDING SECTION

SHEET No.

A4.1

FILE: Lot_00.0020.dwg DATE: 5/28/2025 1:39 PM



- 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
	WEATHERPROOF GFI AFCI DUPLEX OUTLET		KEYLESS LIGHT
	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 SURFACE MOUNTED
	REINFORCED JUNCTION BOX		EXHAUST FAN (VENT TO EXTERIOR)
	WALL SWITCH		EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
	THREE-WAY SWITCH		TECH HUB SYSTEM
	FOUR-WAY SWITCH		
	LED STRIP FIXTURE		
	CHIMES		CEILING FAN (PROVIDE ADEQUATE SUPPORT)
	PUSHBUTTON SWITCH		CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
	110V SMOKE DETECTOR w/ BATTERY BACKUP		GAS SUPPLY WITH VALVE
	CO2 DETECTOR		HOSE BIBB
	THERMOSTAT		1/4" WATER STUB OUT
	TELEPHONE		
	TELEVISION		
	ELECTRIC METER		
	ELECTRIC PANEL		
	DISCONNECT SWITCH		

ELECTRICAL PLAN
FIRST FLOOR - ELEV. 4
SCALE: 1/8" = 1'-0"

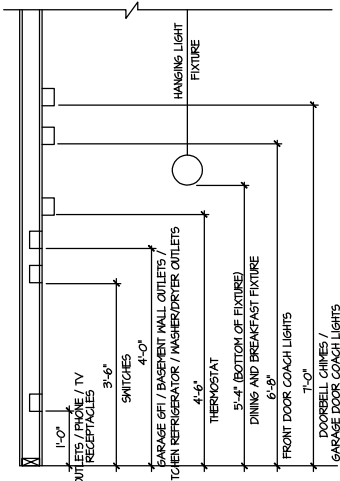
MASTER PLAN INFORMATION		UPDATED DATE
DATE	07-31-2024	04-30-2025
REVISION	3-RALE	

DRAWN BY:	ITS
DATE:	05/28/2025
PLAN NO.	1635

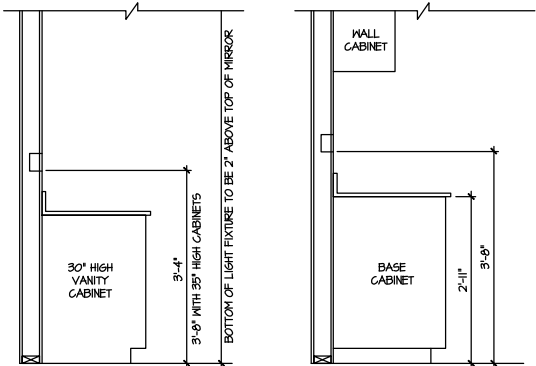
DRB
HOMES

HOUSE NAME:
STONEFIELD
DRAWING TITLE
FIRST FLOOR ELECTRICAL

SHEET No.
11

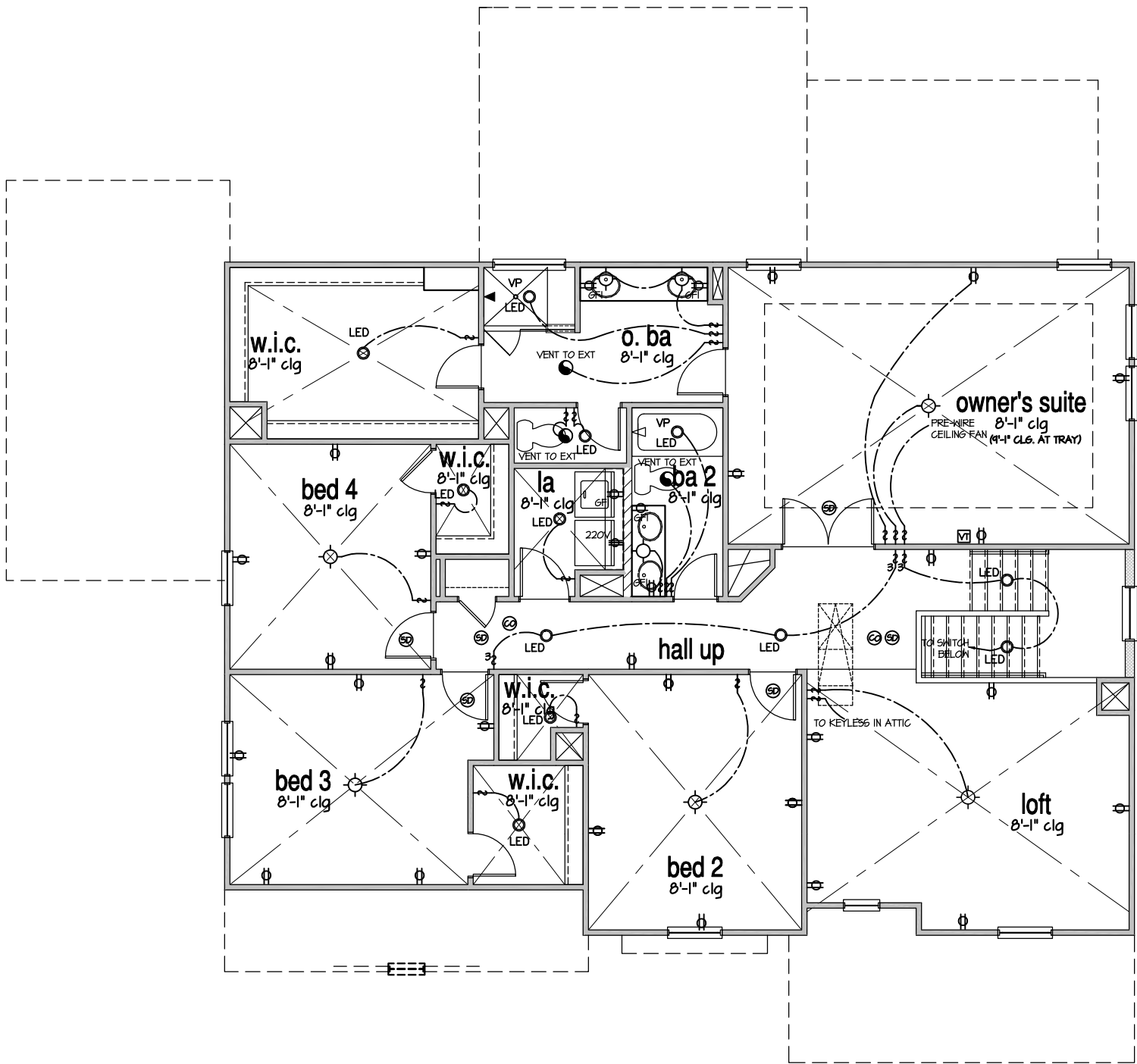


STANDARD ELECTRICAL BOX HEIGHTS



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
	WEATHERPROOF GFI AFCI 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 SURFACE MOUNTED
	REINFORCED JUNCTION BOX		EXHAUST FAN (VENT TO EXTERIOR)
	WALL SWITCH		EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
	THREE-WAY SWITCH		TECH HUB SYSTEM
	FOUR-WAY SWITCH		
	LED STRIP FIXTURE		
	CHIMES		CEILING FAN (PROVIDE ADEQUATE SUPPORT)
	PUSHBUTTON SWITCH		CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
	110V SMOKE DETECTOR w/ BATTERY BACKUP		GAS SUPPLY WITH VALVE
	CO2 DETECTOR		HOSE BIBB
	THERMOSTAT		1/4\"/>
	TELEPHONE		
	TELEVISION		
	ELECTRIC METER		
	ELECTRIC PANEL		
	DISCONNECT SWITCH		

ELECTRICAL PLAN
SECOND FLOOR - ELEV. 4
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	04-30-2025
3-RALE	07-31-2024	

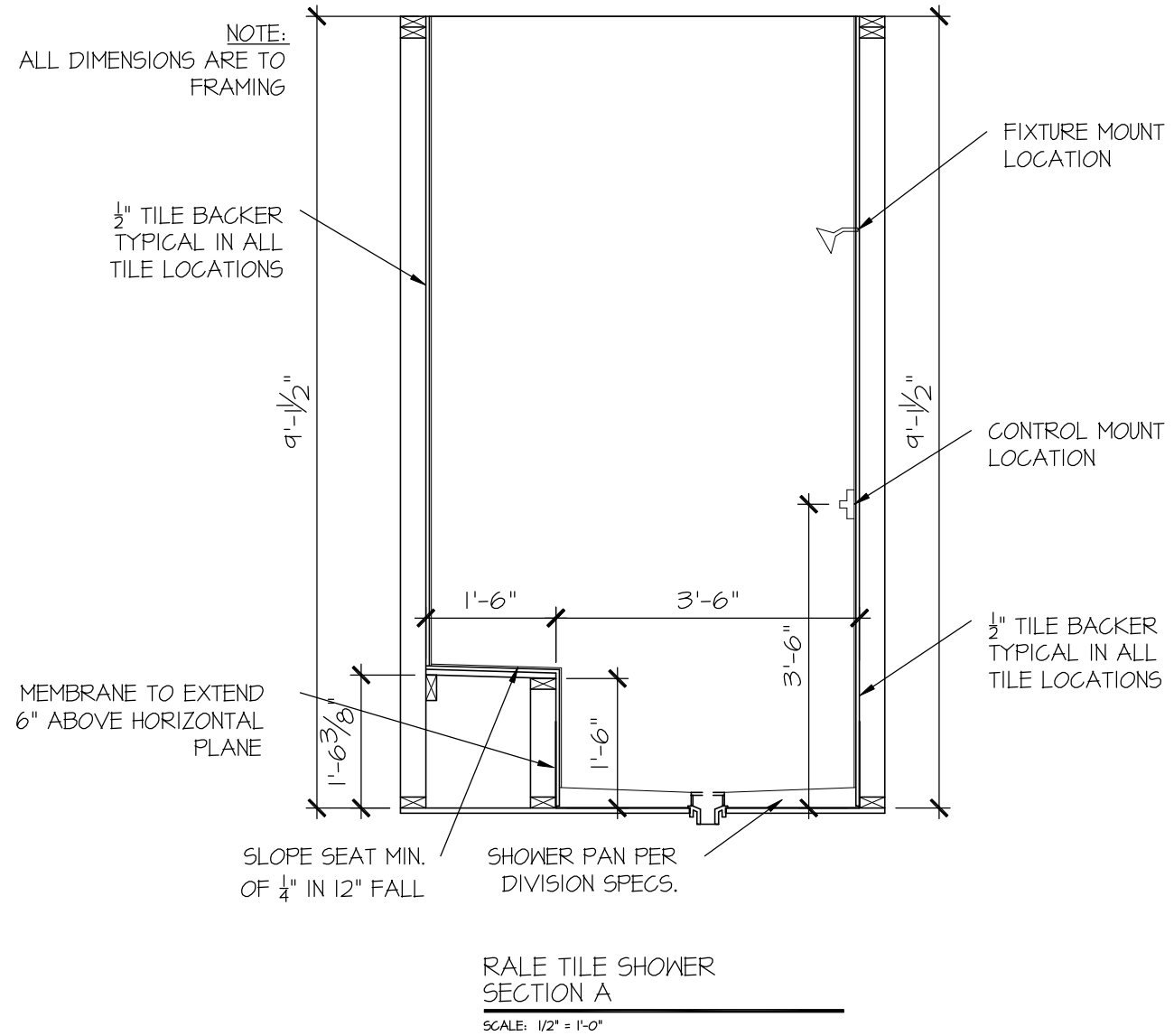
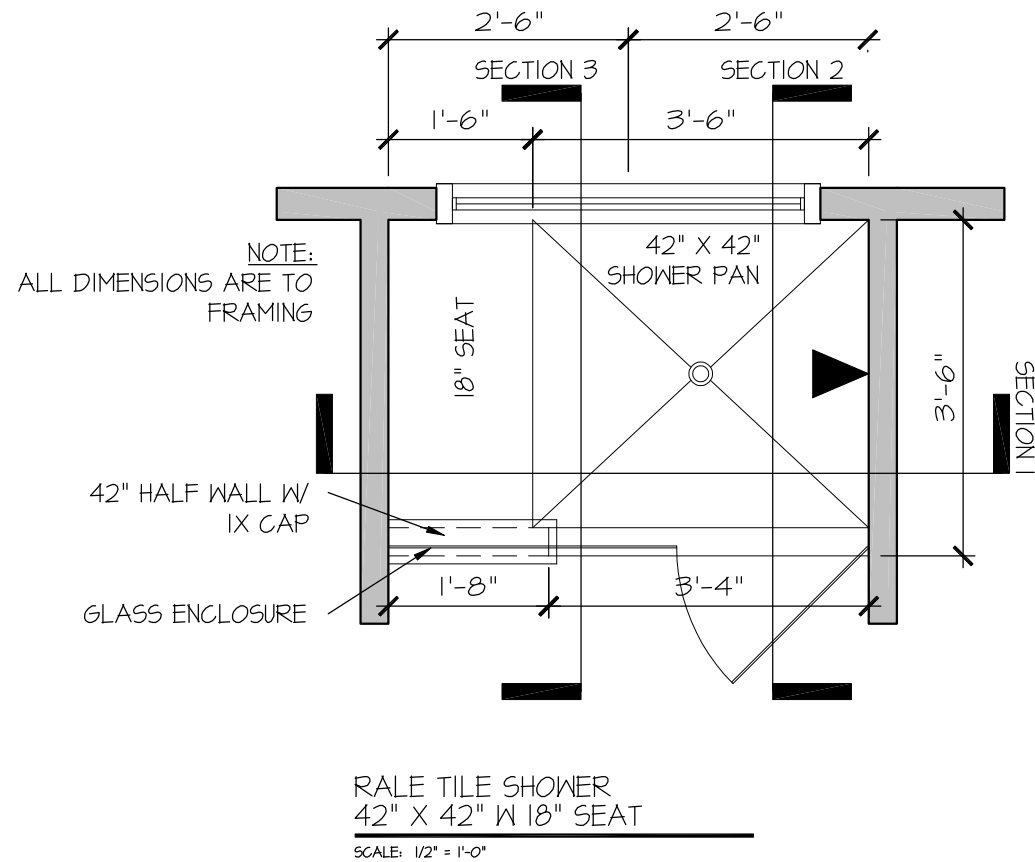
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PLAN NO.	1635

DRB
HOMES

HOUSE NAME:
STONEFIELD
DRAWING TITLE
SECOND FLOOR ELECTRICAL

SHEET No.
1.2

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



CONSULTANT LOGO

SEAL

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

DRB
HOMES

HOUSE NAME:

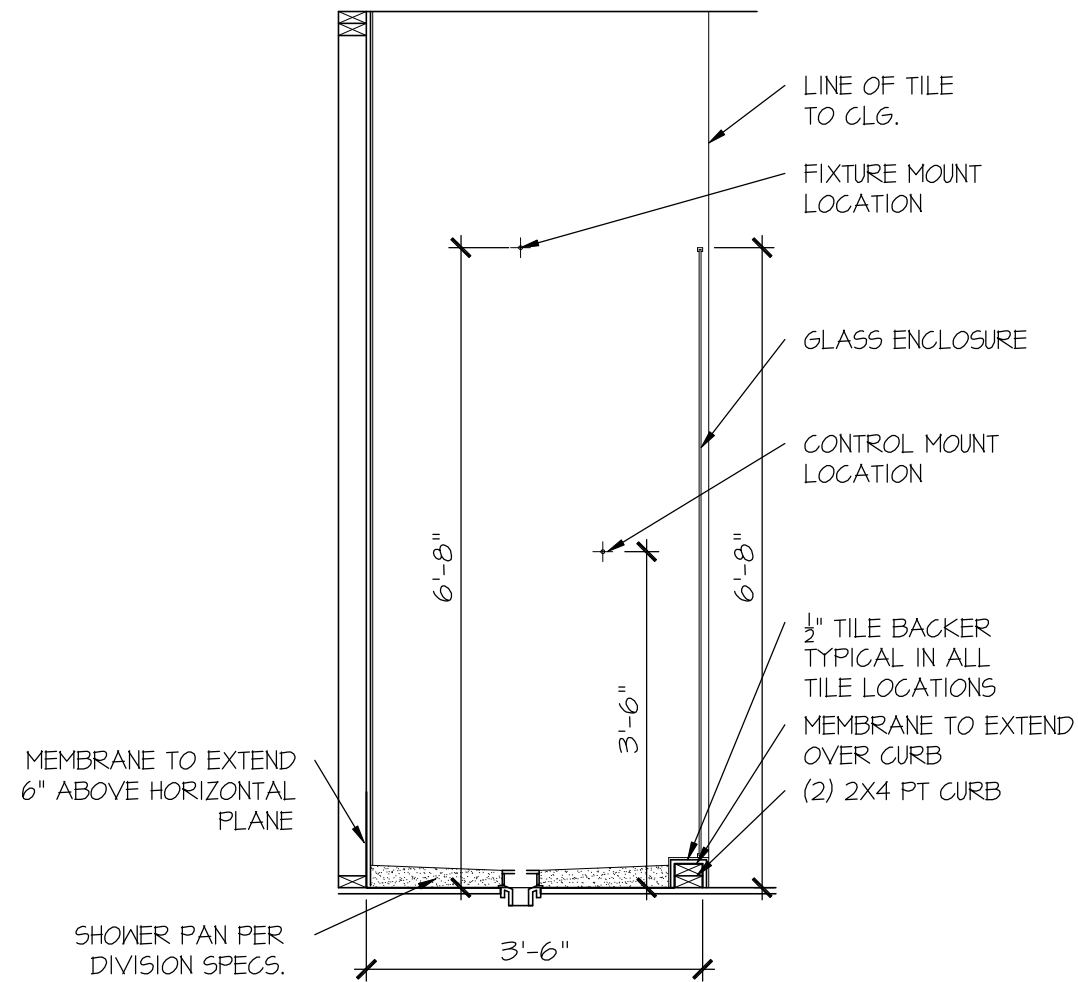
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RALE TILE SHOWER DETAIL

SHEET No.

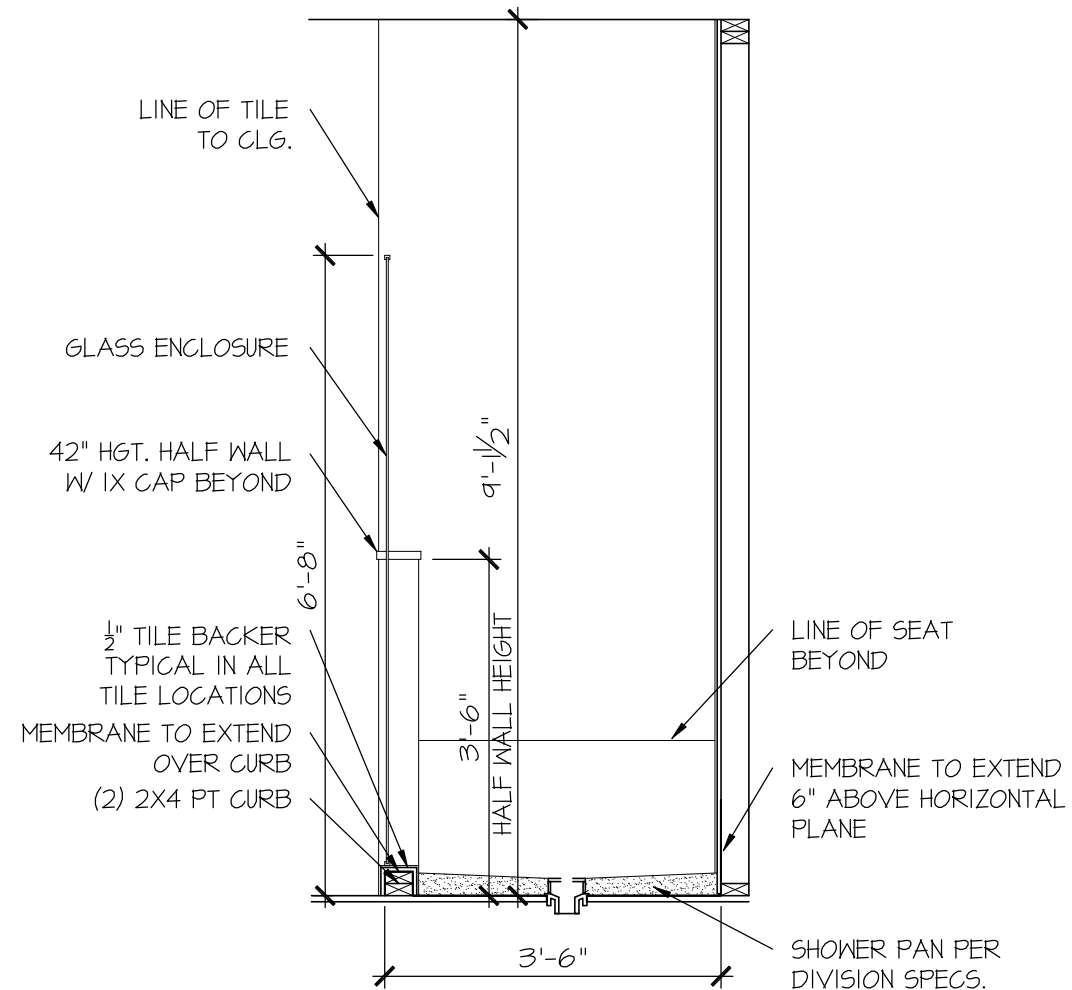
0111

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



RALE TILE SHOWER
SECTION B

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



RALE TILE SHOWER
SECTION C

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

CONSULTANT LOGO

SEAL

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

DRB
HOMES

HOUSE NAME:
DRAWING TITLE
RALE TILE SHOWER DETAIL

SHEET No.

01.12

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

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

* 2½"x0.131" IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

MEANS & METHODS NOTES

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

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO; FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

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

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

- 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)

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.

DESIGN LOADS:

ROOF DEAD = 7 PSF T.C., 10 PSF B.C.
LIVE = 16 PSF
LOAD DURATION FACTOR = 1.25

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)
DEAD = 10 PSF (I-JOISTS & SOLID SAWN)
10 PSF T.C., 5 PSF B.C. (TRUSSES)
(ADD'L 10 PSF @ TILE)

LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B.

SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.

- REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.

- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPF OR 51P "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 (SPY) LUMBER OR BETTER (KILN-DRIED). ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY. CODE TABLES HAVE NOT BEEN USED.

- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 16" O.C. (MAX, U.N.O.)
• HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
(1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.

- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).

- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
• 'LSL' - Fb=2325 psi; Fv=310 psi; E=1.55x10⁶ psi
• 'LVL' - Fb=2600 psi; Fv=285 psi; E=2.20x10⁶ psi
• 'PSL' - Fb=2400 psi; Fv=240 psi; E=2.0X10⁶ PSI

- M&K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO M&K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS ½"x3½" SIMPSON SDS SCREWS (OR 3½" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 ½" OR 5 ½" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.

- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF ½"x6" SIMPSON SDS SCREWS (OR 6 ¾" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.

- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
- THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O..

- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN), EACH PLY.

- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO END/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 BC52-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT M&K FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.

- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STUD-I-FLOOR' 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- 2 ½" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.
- 2 ½" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD.
- 2 ½" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD.
- ¾" x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.

ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.

- FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H25T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H25T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.

- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.

- ERECT AND INSTALL ROOF TRUSSES PER MTCA & TPI'S BC51 I-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

- SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W/ 2x4 LEDGER FASTENED TO:
- RIM BOARD W/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (I-JOISTS)
- TRUSS VERTICALS W/ (3) 3"x0.131" NAILS @ 14/2" 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 ½" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.
- W/ 2 ½" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD.
- W/ 2 ½" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. FIELD.

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x½"
	3 FT. MAX	L3"x3"x½"
6'-0"	12 FT. MAX	L4"x3"x½"
	20 FT. MAX	L5"x3½"x½"
8'-0"	3 FT. MAX	L4"x4"x½" *
	12 FT. MAX	L5"x3½"x½"
10'-0"	16 FT. MAX	L6"x3½"x½"
	12 FT. MAX	L6"x3½"x½"
16'-0"	2 FT. MAX	L7"x4"x½" **
	3 FT. MAX	L8"x4"x½" **

- ALL LINTELS:
- SHALL SUPPORT 2 ¾" - 3 ½" VENEER W/ 40 psf MAXIMUM HEIGHT.
- 16" SHALL HAVE 4" MIN. BEARING
- 16" SHALL HAVE 8" MIN. BEARING
- 16" SHALL NOT BE FASTENED BACK TO HEADER
- 16" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ ½" DIA. x 3 ½" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LEG VERTICAL.
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ½" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL FASTENED BACK TO BEAM FASTENERS SHALL MAINTAIN A 2½" (MINIMUM) CLEAR DISTANCE FROM BOTTOM OF BEAM.
* FOR QUEEN VENEER USE L4x3x½".
** FOR 3½" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" THICK.

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:

120 MPH WIND IN 2018 NCSEBC: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 NCSEBC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.1.2 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREIN, 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 NCSEBC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
FASTEN SHEATHING W/ 2 ¾"x0.113" NAILS @ 6" O.C. AT EDGES @ 12" O.C. IN THE PANEL FIELD. TYP. U.N.O.

- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.

- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.

- ALT. STAPLE CONNECTION SPEC: 1 ½" 16 GA STAPLES (¾" CROWN) @ 3" O.C. AT EDGES @ 6" O.C. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 ¾"x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 ¾" 16 GA STAPLES (¾" 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

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.

- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
• 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU)
• SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC)
• SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU)

- (REFER TO DETAILS FOR 10" TALL WALL ANCHOR REQUIREMENTS)

- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.

- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.

- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SPF OR 51P, "STUD" GRADE OR BETTER.

- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
f'c = 4,000 psi: FOUNDATION WALLS
2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE
3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE
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 (4 ½" 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 15% 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 @ 5301.

- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.

- PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.

- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.

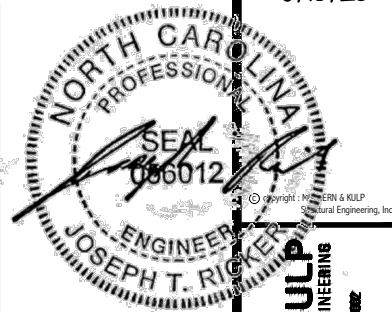
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
► HD-1	SIMPSON HTT4 HOLD-DOWN * (¾" DIA. ANCHOR)
► HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) -OR- MSTC66B3 ALTERNATE
► HD-3	SIMPSON 5THD14/5THD14RJ

* UTILIZE THE 56TB24 ANCHOR BOLT @ ALL MONOSLAB & INTERIOR RAISED SLAB (I.E. THICKENED SLABS, FOOTINGS) CONDITIONS. MINIMUM 24" MIN. FOOTING THICKNESS REQUIRED.
EPOXY-SET ALTERNATE FOR MONOSLAB & INTERIOR RAISED SLAB CONDITIONS ONLY: UTILIZE SIMPSON SET EPOXY SYSTEM TO FASTEN THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 10" (FOR 5/8" DIA.) OR 15" (FOR 7/8" DIA.) MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. INSTRUCTIONS. MINIMUM 16" FOOTING THICKNESS REQ'D. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF CONCRETE.



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M&K project number:

126-24045

project mgr:

JTR

drawn by:

GTK

issue date:

06-13-25

REVISIONS:

DRB
HOMES

STRUCTURAL NOTES

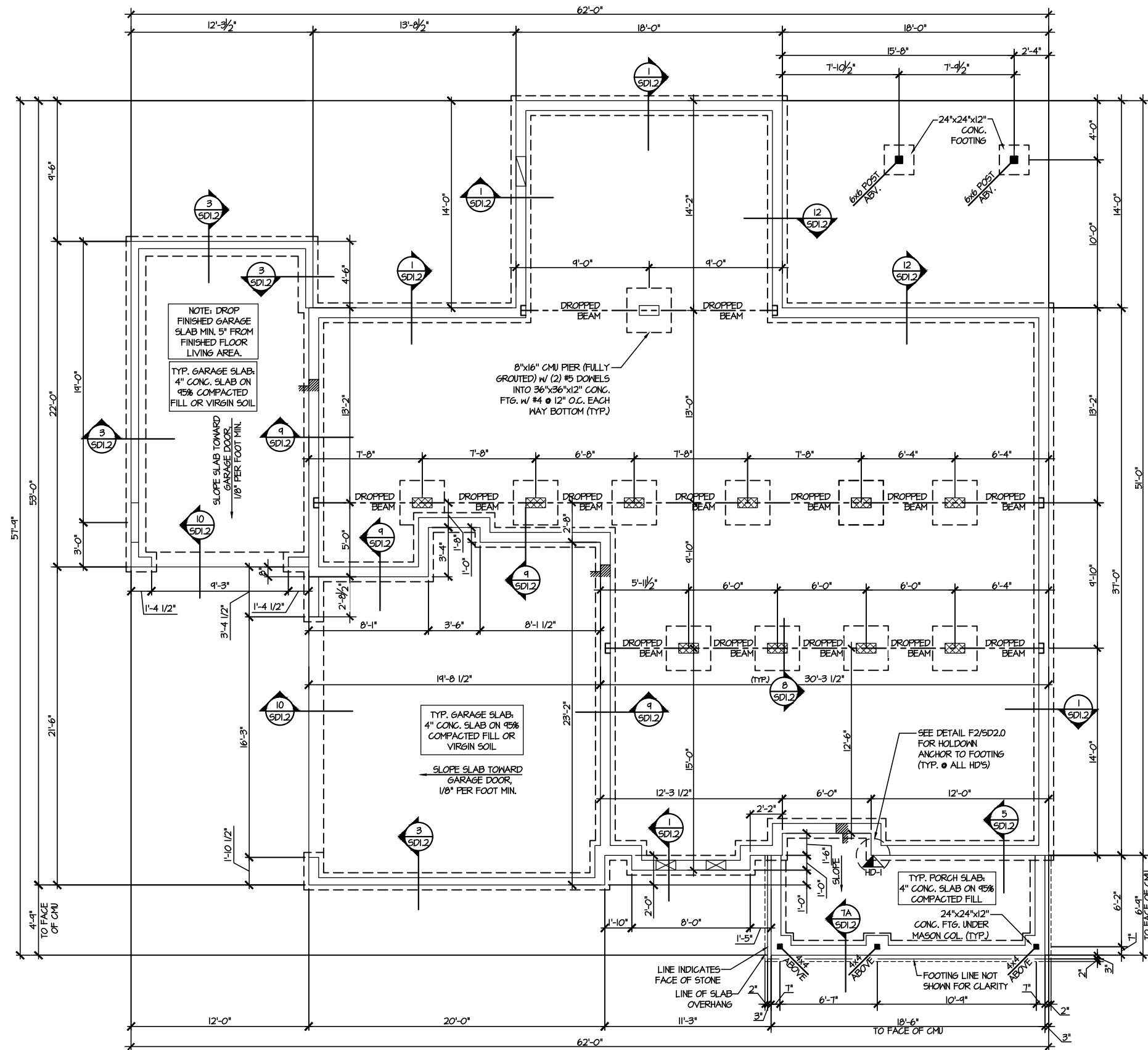
CAMPBELL RIDGE

LOT 20 - STONEFIELD 4

RALEIGH, NC






sheet:

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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

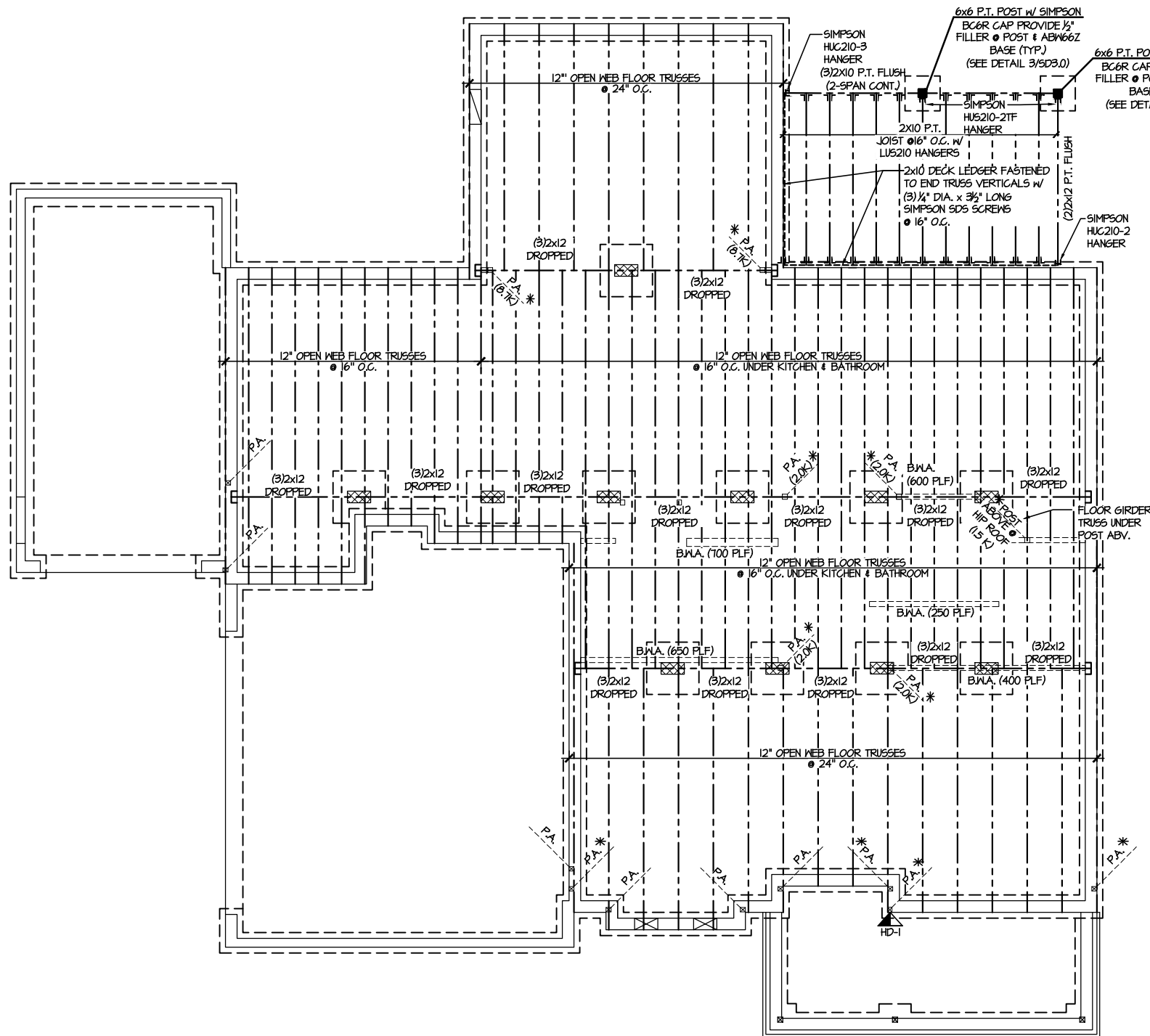
JL METAL HANGER

- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

 INDICATES HOLD-DOWN OR STRAP.
REFER TO SCHEDULE.

REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

FILE: RLH - Campbell Ridge - Lot 20 - Structurals DATE: 6/13/2025 11:39 AM

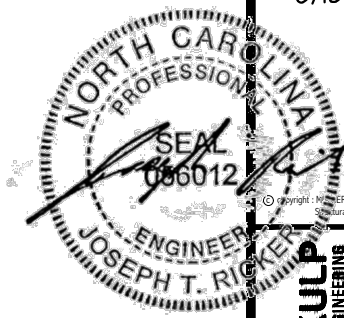


1 1ST FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

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 SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES**



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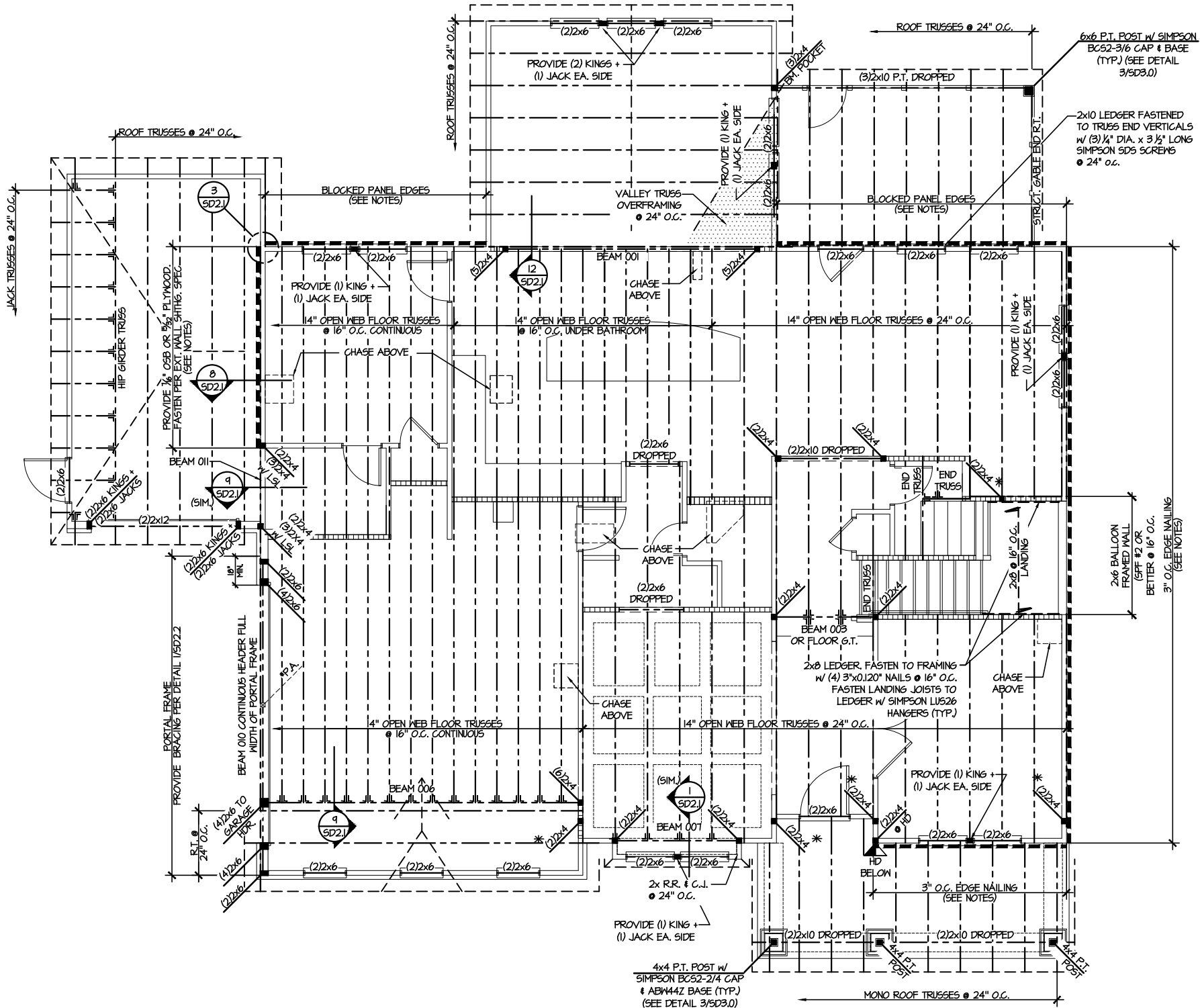
M&K project number:	126-24045
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REVISIONS:	

DRB
HOMES

FLOOR FRAMING PLANS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

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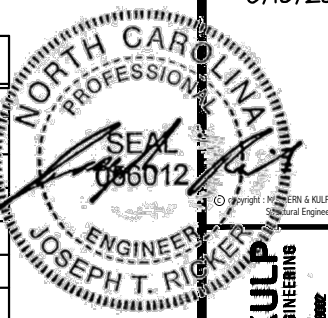
2ND FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x16" - D	3/2"x16" - D	N/A	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
002	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
003	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x14 - F
004	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x14 - F
005	(3)3/4"x18" - FT	5/4"x18" - FT	N/A	(3)2x12 + (2) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x26 - F
006	(3)3/4"x18" - FT	5/4"x18" - FT	N/A	(3)2x12 + (2) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x26 - F
007	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x14 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x9" - D	3/2"x9" - D	(2)3/4"x9" - D	(2)2x10 + (1) 1/2"x9" STEEL FLITCH PLATES - D	W10x12 - D
010	(2)3/4"x16" - H	3/2"x16" - H	(3)3/4"x16" - H	(3)2x12 + (2) 3/8"x11 1/2" STEEL FLITCH PLATES - H	N/A
011	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
012	(3)3/4"x16" - D	5/4"x16" - D	(4)3/4"x11 1/2" - D	(3)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
013	(2)3/4"x17 1/2" - D	3/2"x17 1/2" - D	(3)3/4"x11 1/2" - D	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
014	(2)3/4"x16" - D	3/2"x16" - D	(3)3/4"x11 1/2" - D	(3)2x12 + (2) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
015***	(3)3/4"x17 1/2" - D	N/A	(3)3/4"x11 1/2" - D	(3)2x12 + (2) 3/8"x11 1/2" STEEL FLITCH PLATES - D	W12x14 - D
016	(2)3/4"x17 1/2" - F	3/2"x17 1/2" - F	(3)3/4"x11 1/2" - F	(2)2x12 + (1) 3/8"x11 1/2" STEEL FLITCH PLATES - F	W12x14 - F
<p>• 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</p> <p>• REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS</p> <p>• REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS</p> <p>• FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x10.120" NAILS @ 8" O.C.</p> <p>• FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x10.120" NAILS @ 8" O.C.</p> <p>*** - SEE PLAN FOR EXTENT OF 3-PLY BEAM</p>					

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

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

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



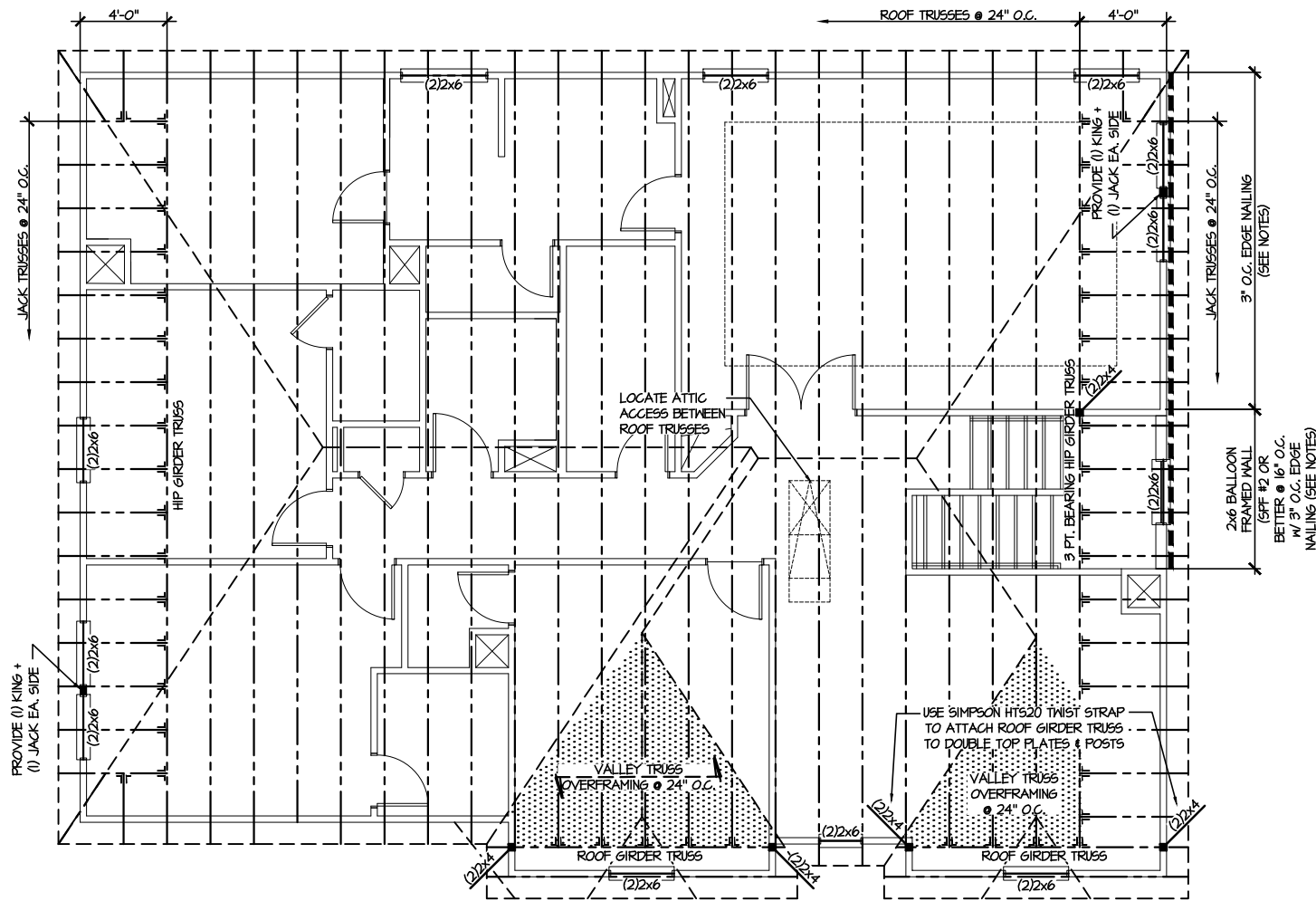
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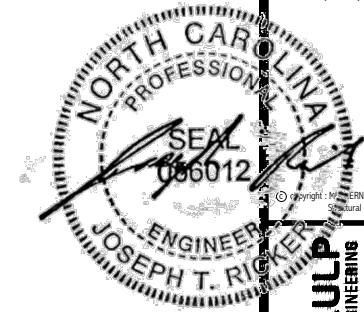


FLOOR FRAMING PLANS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

Sheet:
S3.0



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



seal: 6/13/25

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ROOF FRAMING PLANS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
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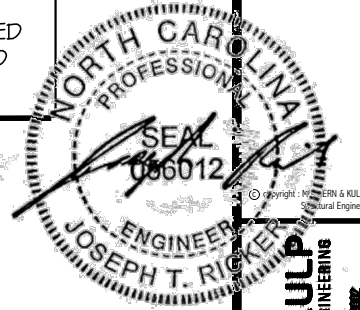
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S4.0

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- 1L 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
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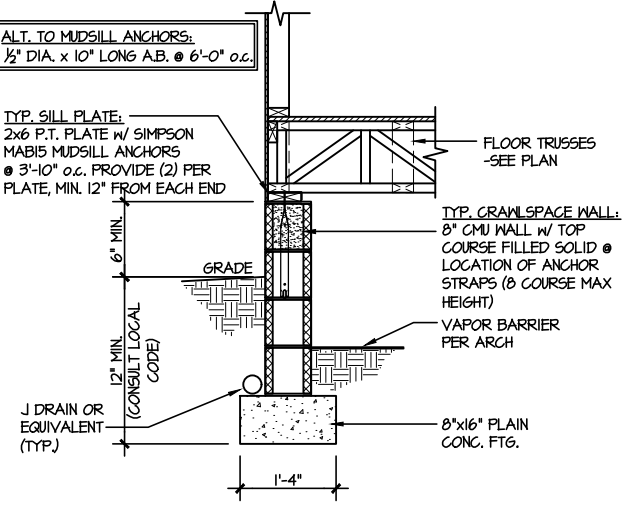
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FOUNDATION DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

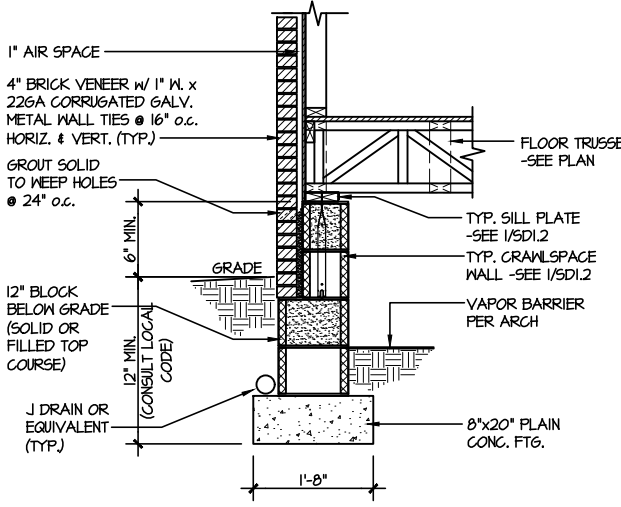
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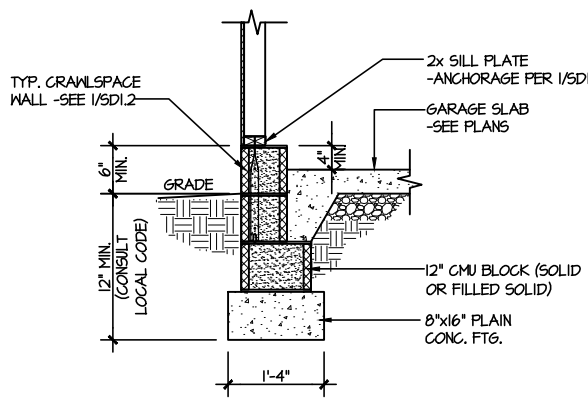
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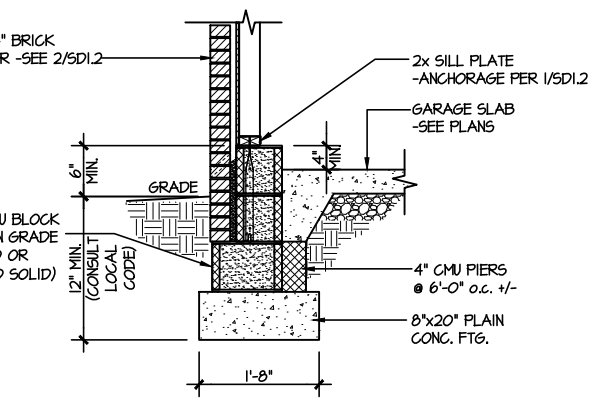
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"



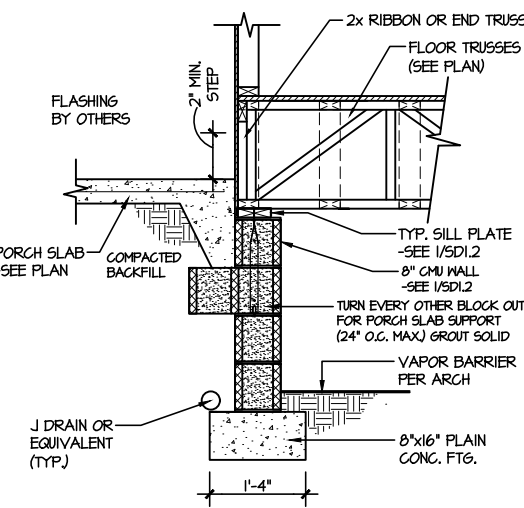
2 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" W/ BRICK VENEER



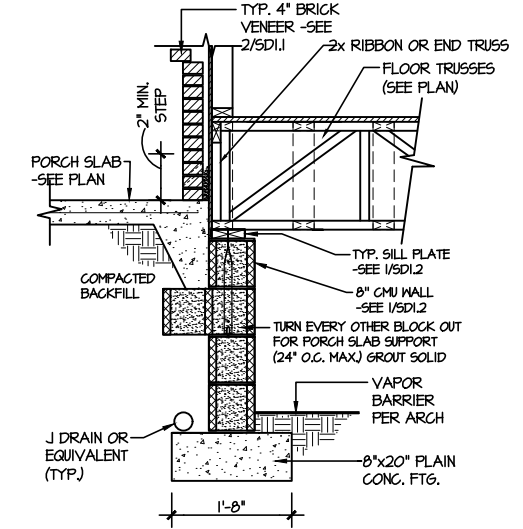
3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0"



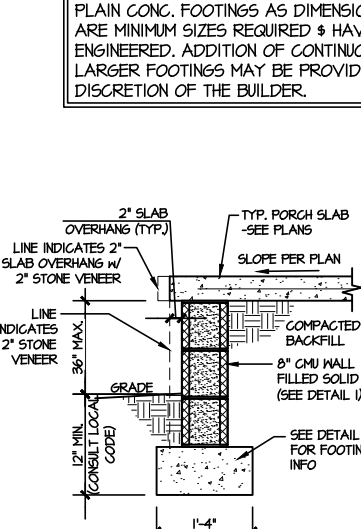
4 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0" W/ BRICK VENEER



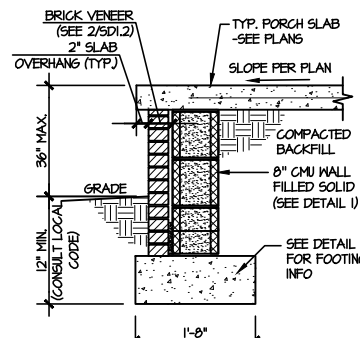
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



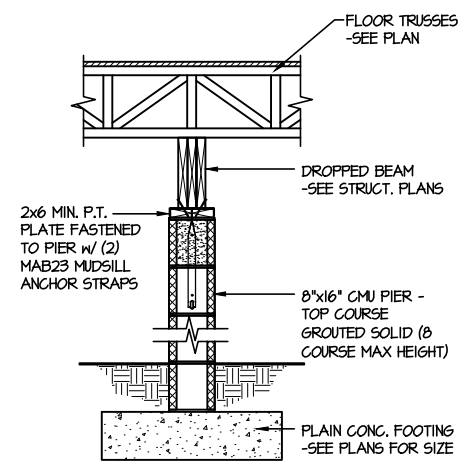
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" W/ BRICK VENEER



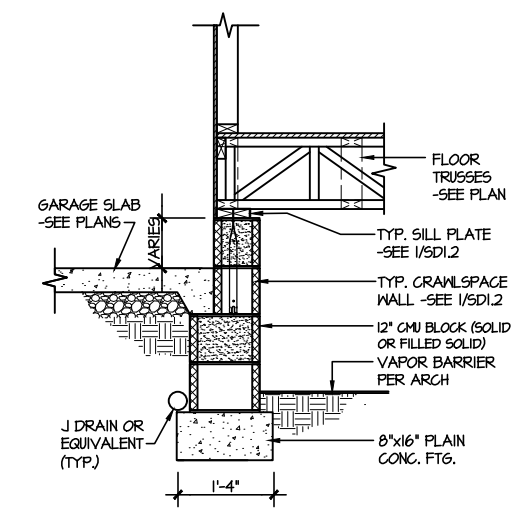
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



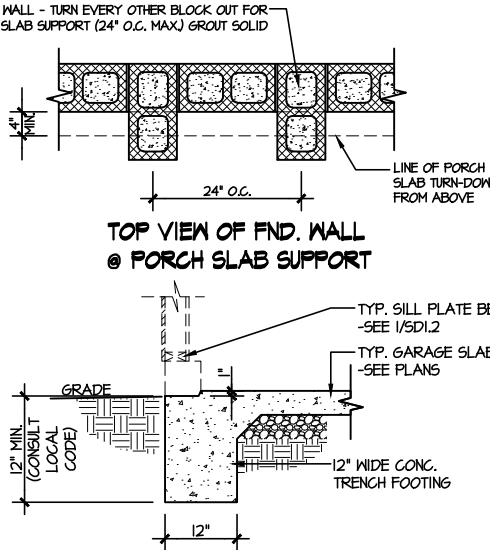
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0" W/ BRICK VENEER



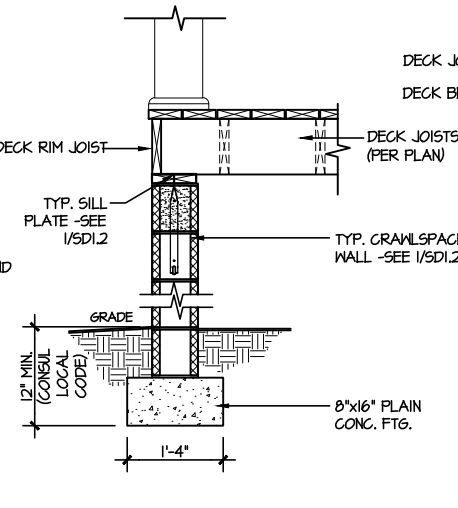
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER
SCALE: 3/8"=1'-0"



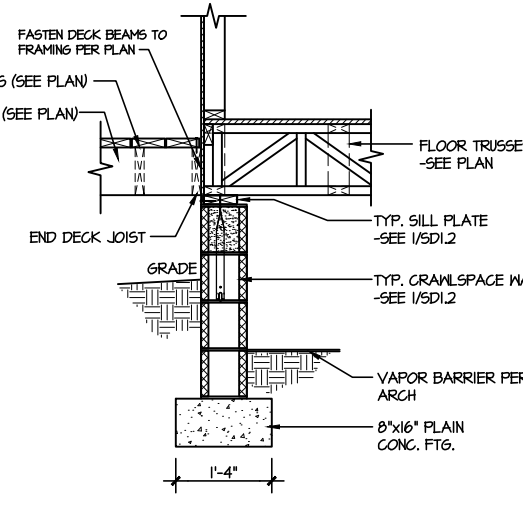
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE
SCALE: 3/8"=1'-0"



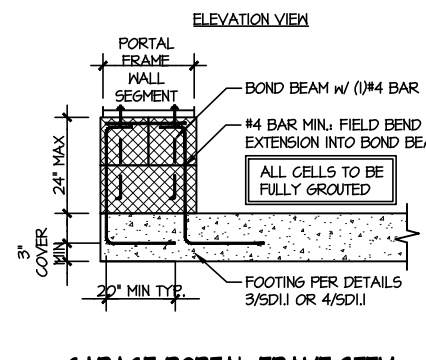
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



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

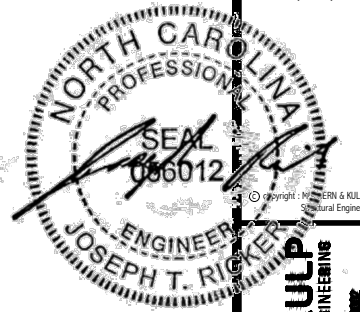


12 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK
SCALE: 3/8"=1'-0"



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

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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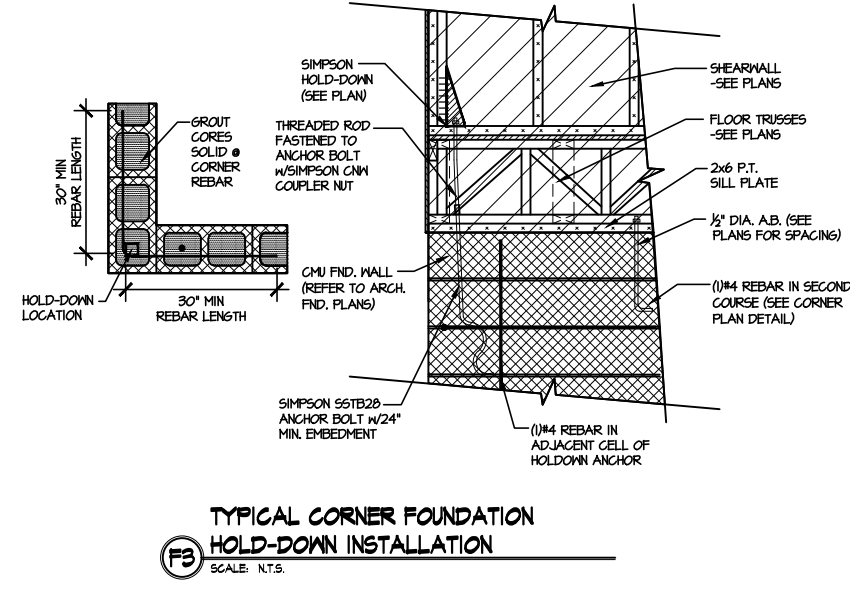
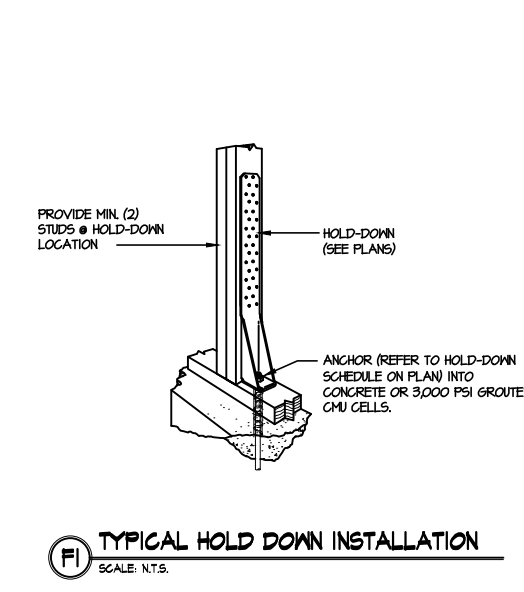
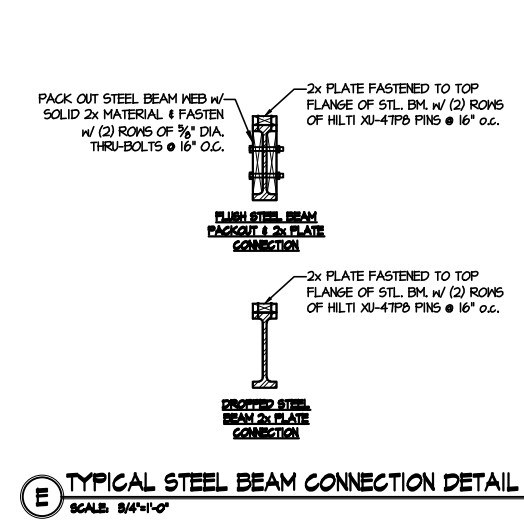
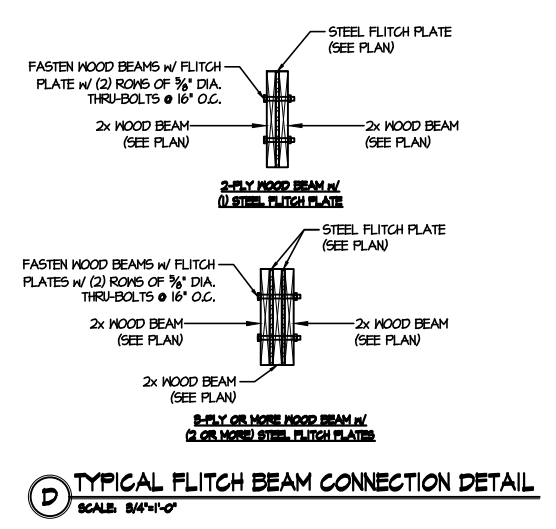
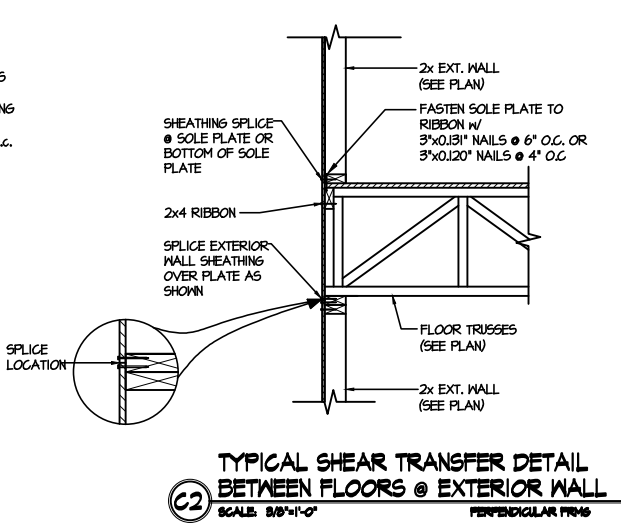
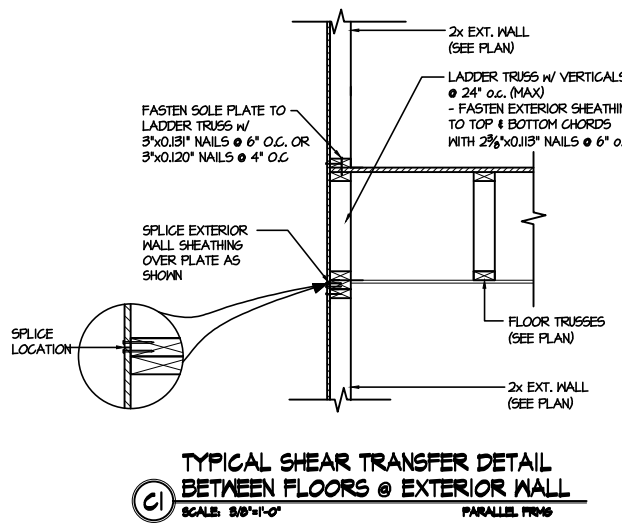
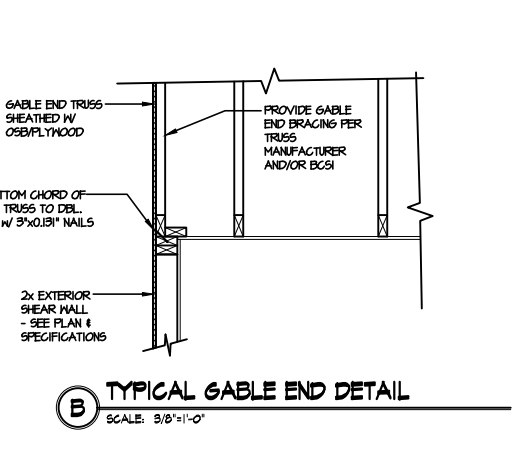
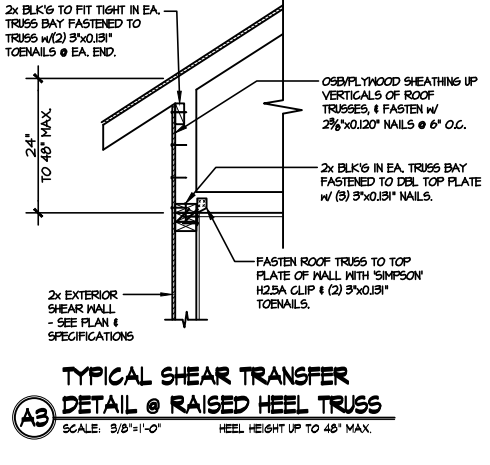
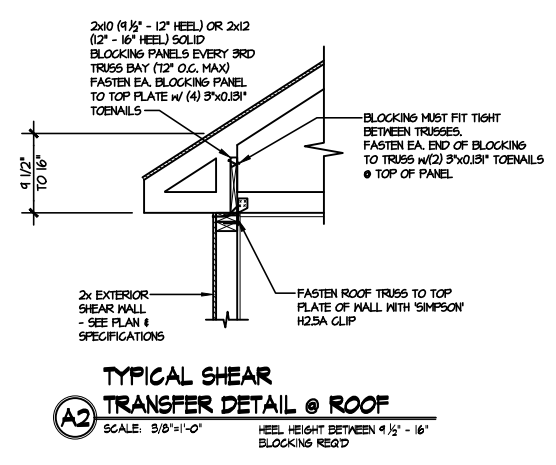
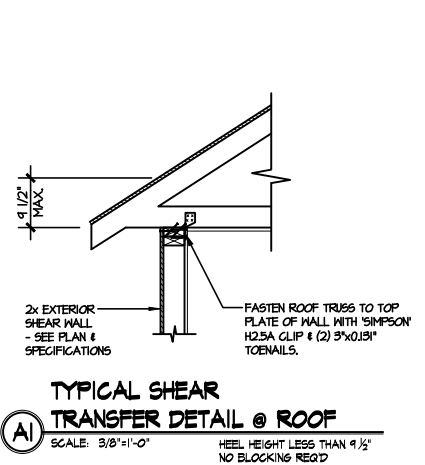
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drawn by: GTK
issue date: 06-13-25

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HOMES

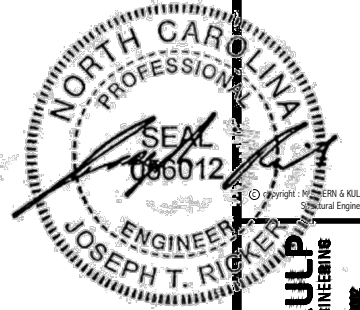
FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

sheet:
SD2.0



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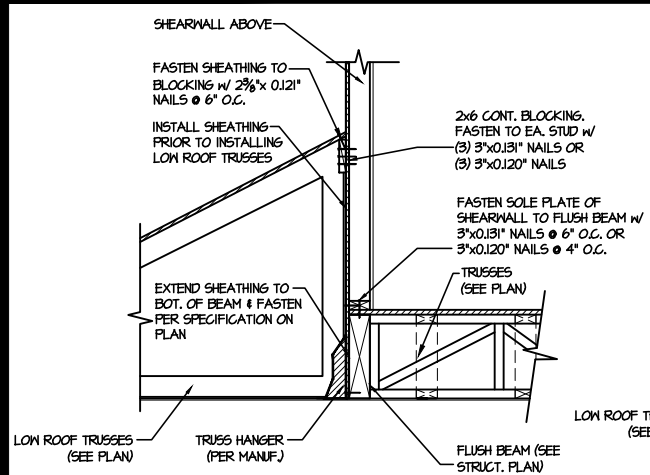
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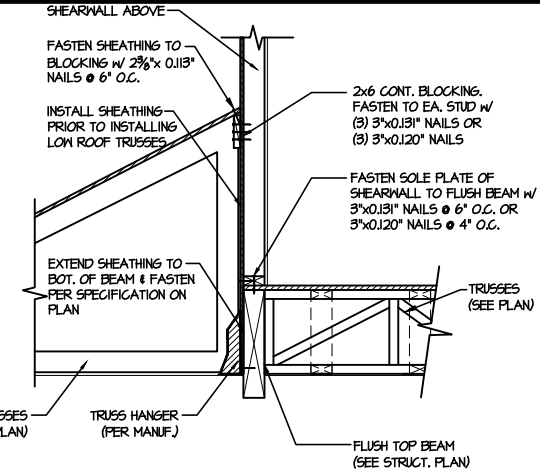
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FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

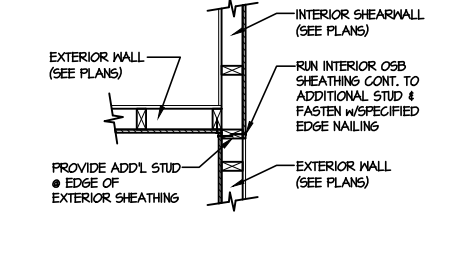
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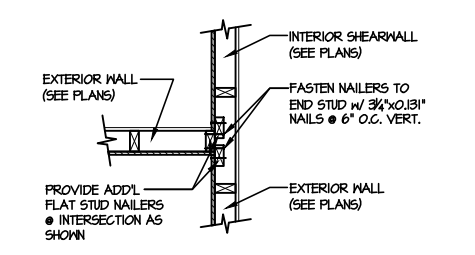
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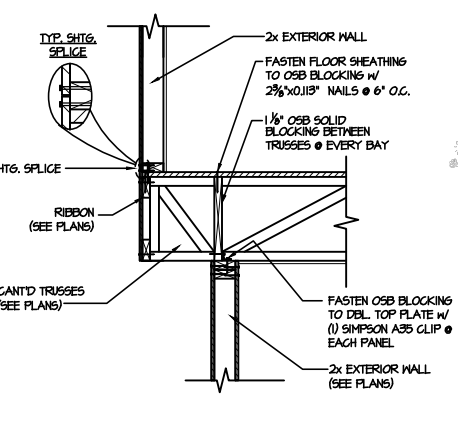
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SCALE: 3/4"=1'-0"



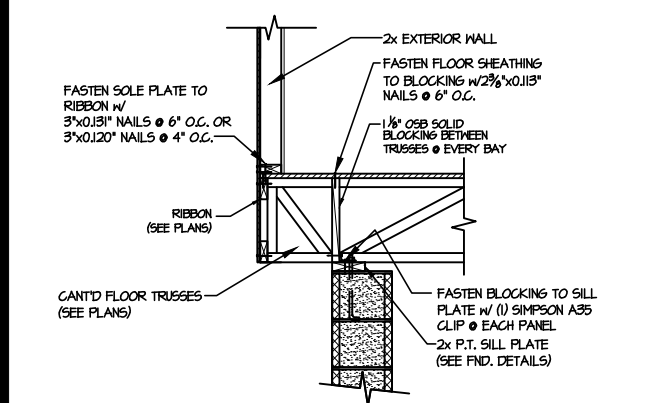
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. OPPOSITE FACES



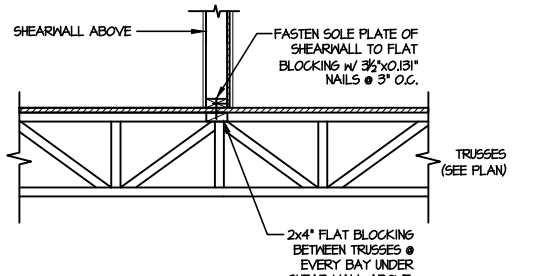
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



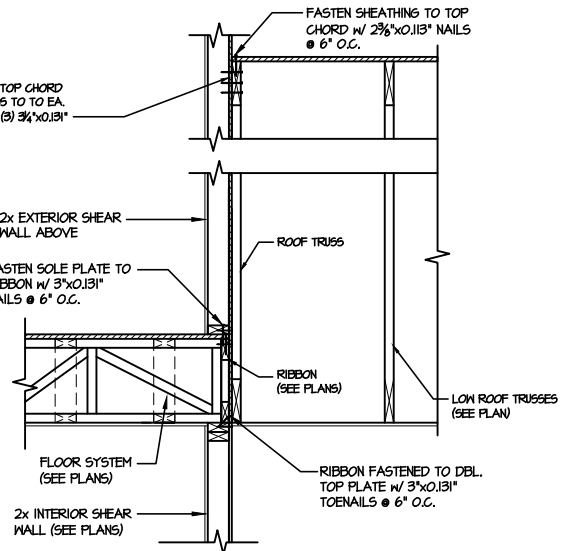
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



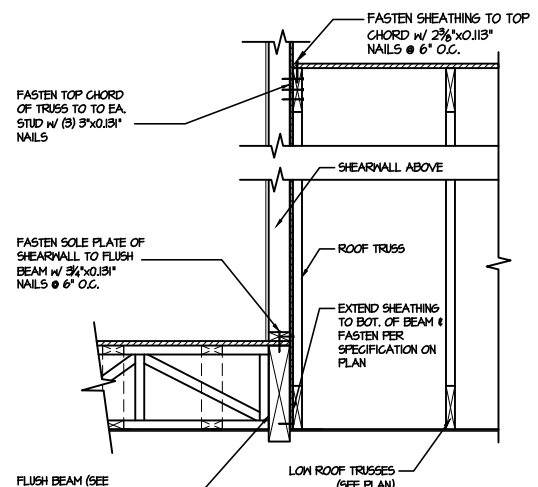
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



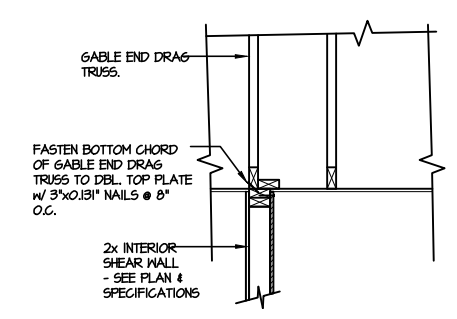
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



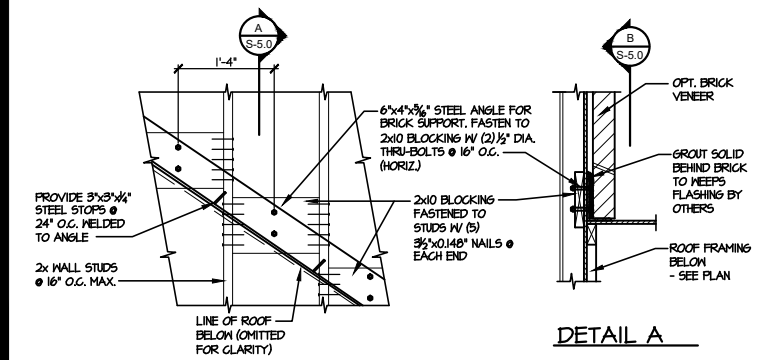
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



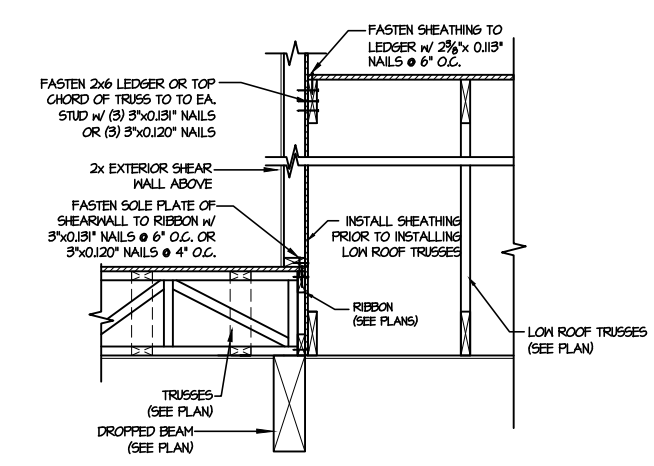
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
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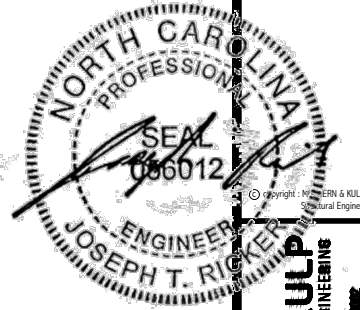
10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



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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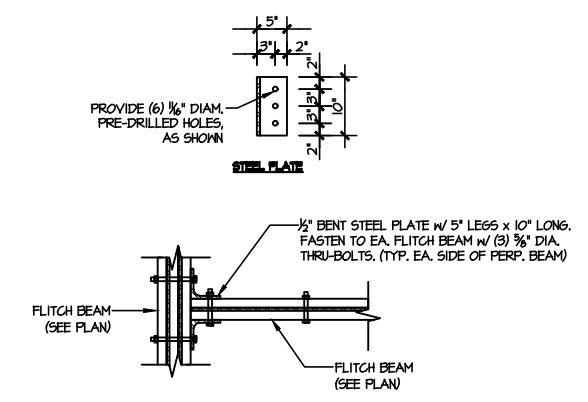
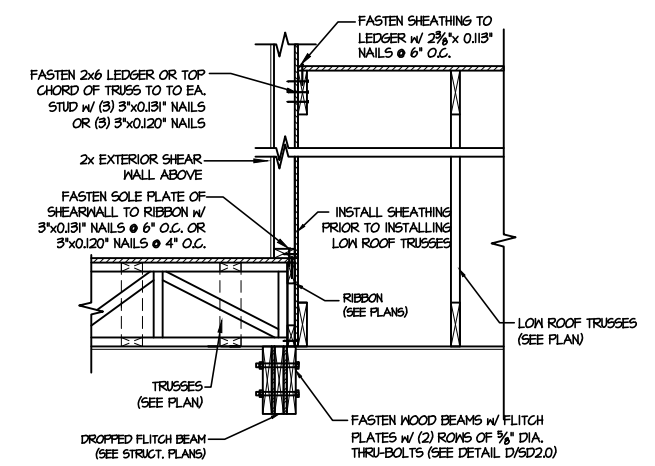
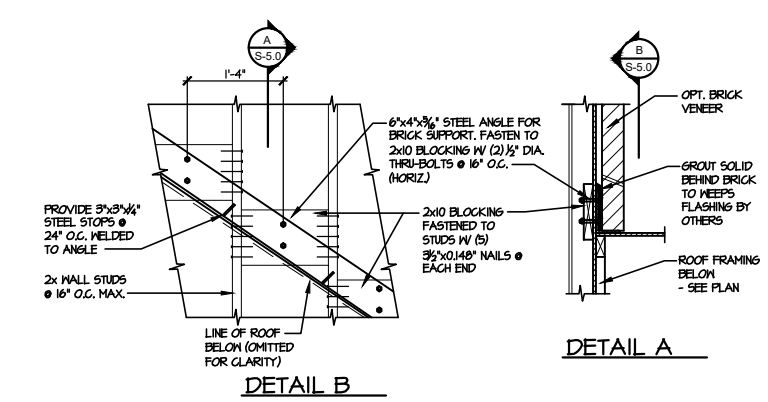
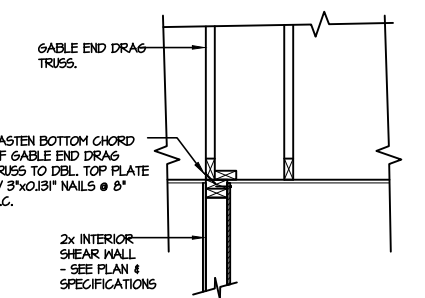
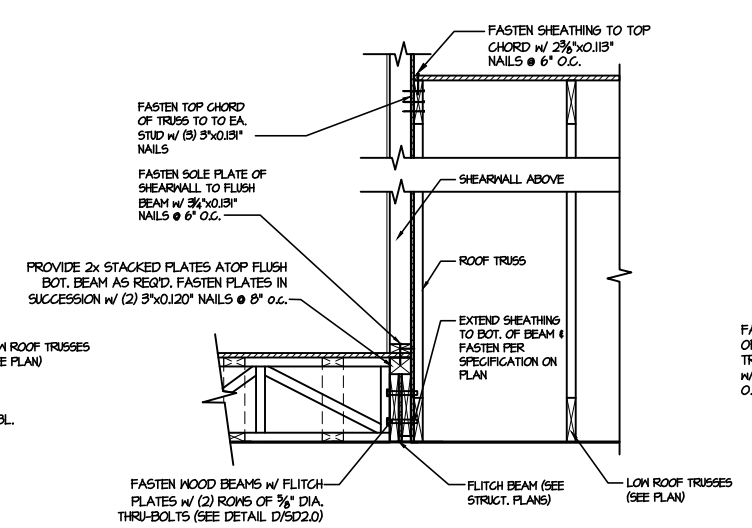
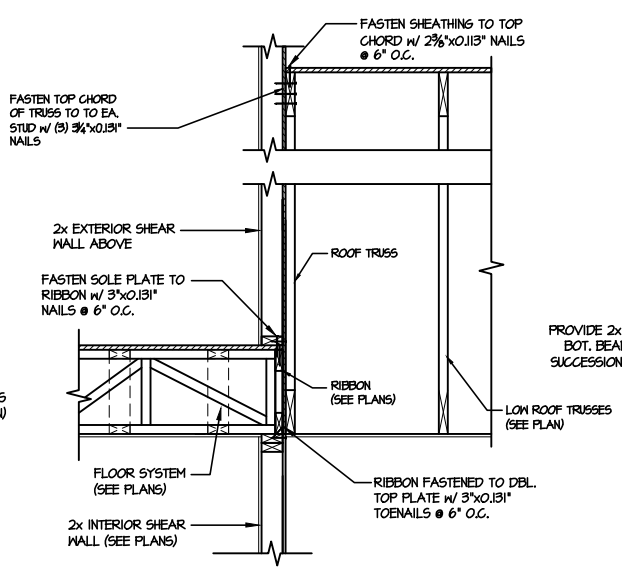
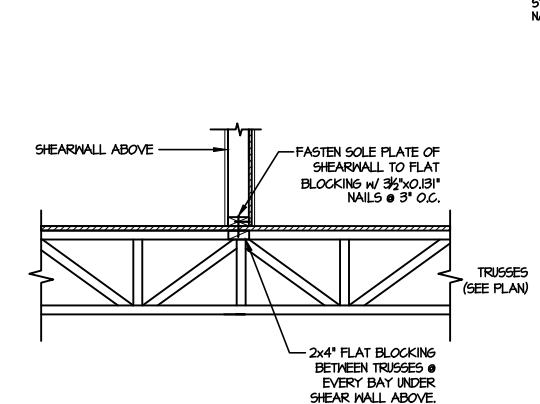
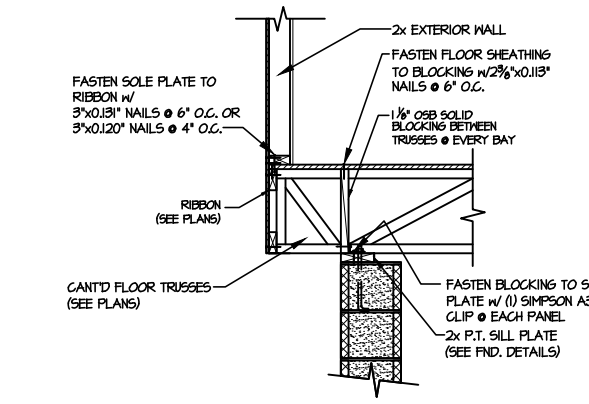
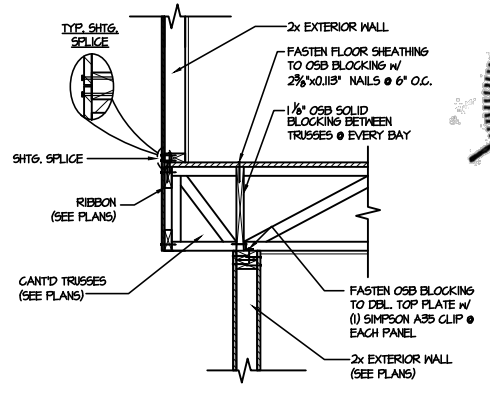
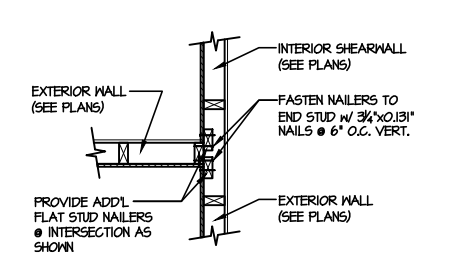
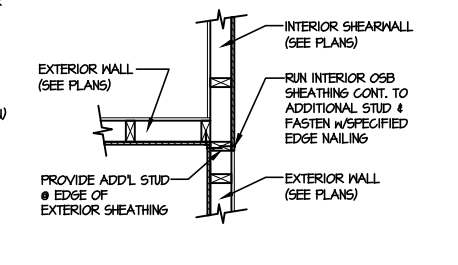
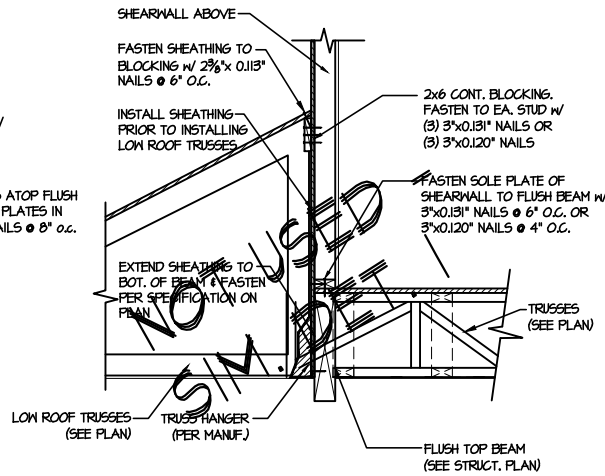
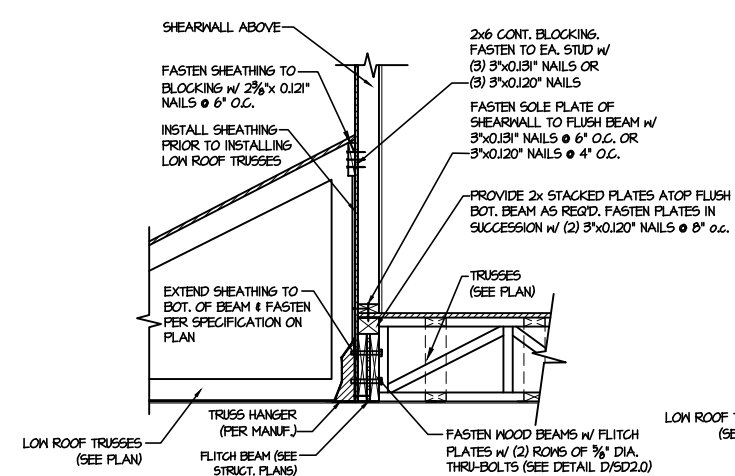
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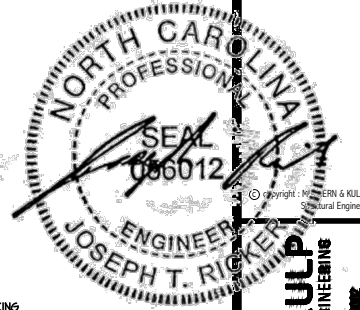
NO.	DESCRIPTION

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FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
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sheet:
SD2.1B





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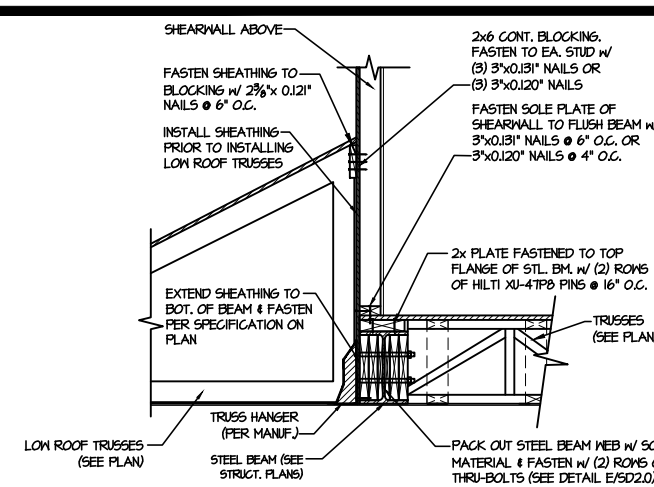
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issue date: 06-13-25

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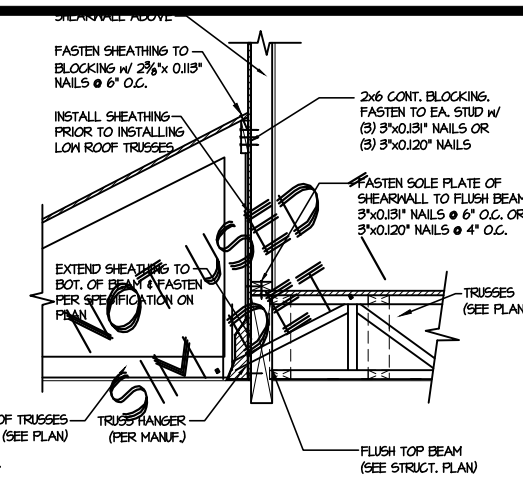
DRB HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

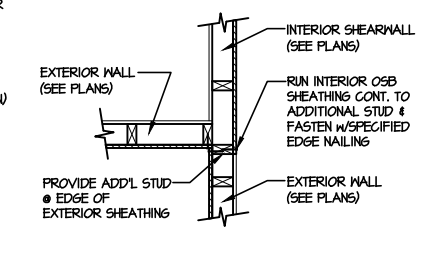
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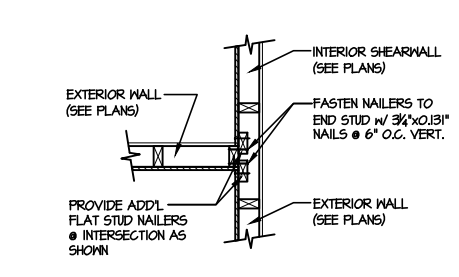
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



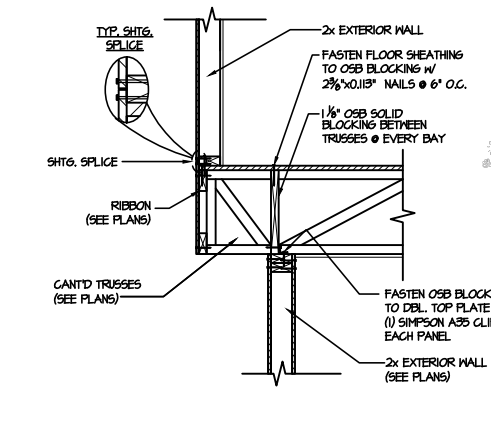
2 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



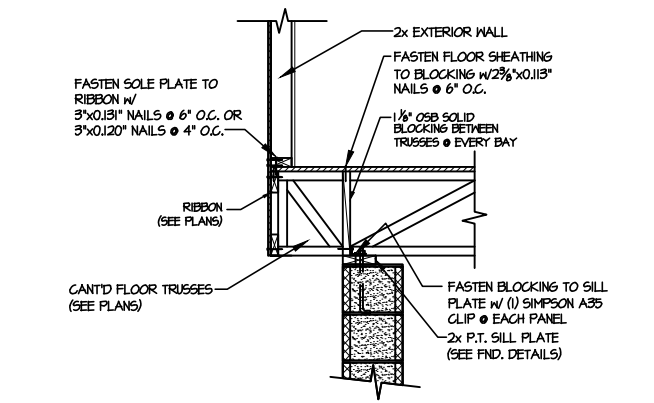
3 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. OPPOSITE FACES



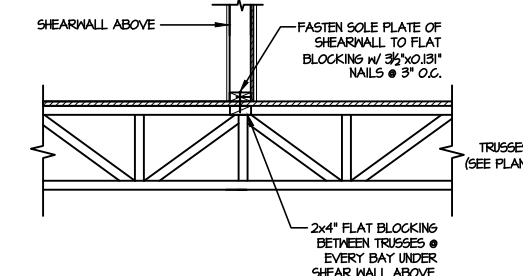
4 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. ON SAME FACE



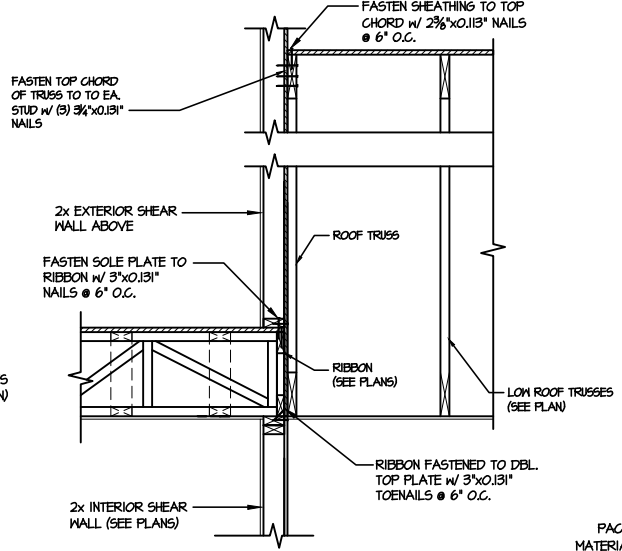
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



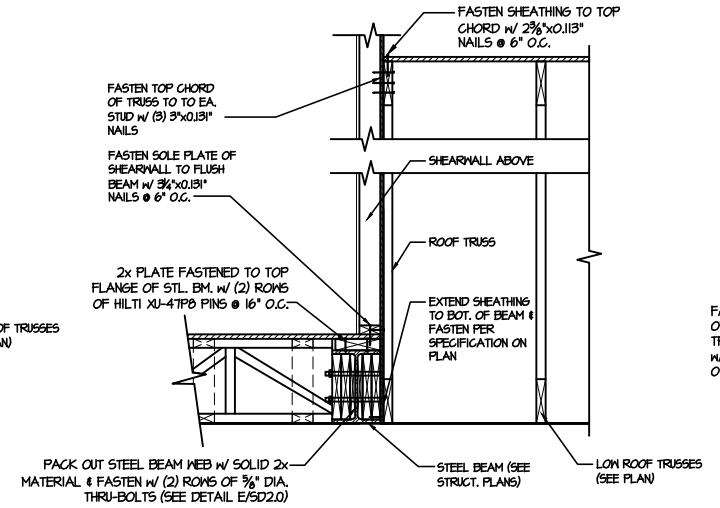
6 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



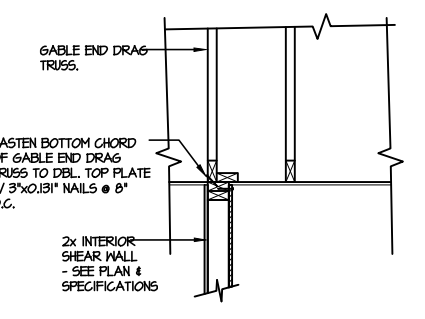
7 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



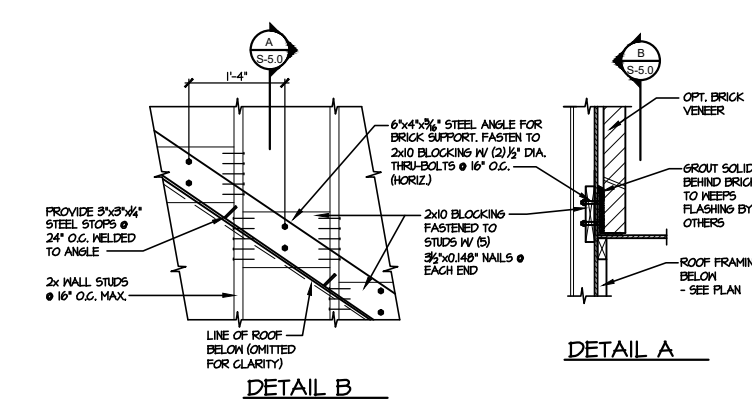
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



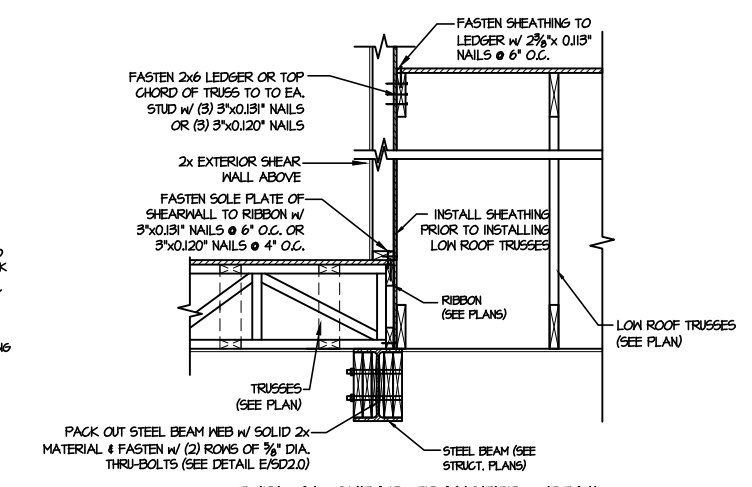
9 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



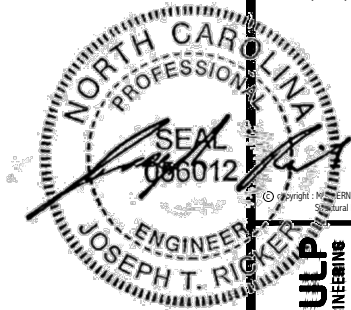
10 INTERIOR GABLE END DETAIL
SCALE: 3/4"=1'-0"



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"



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duncasville Ave. Building 4 - Raleigh, NC 27602
919.276.6928 • mulhern+kulp.com



M&K project number:
126-24045

project mgr: **JTR**

drawn by: **GTK**

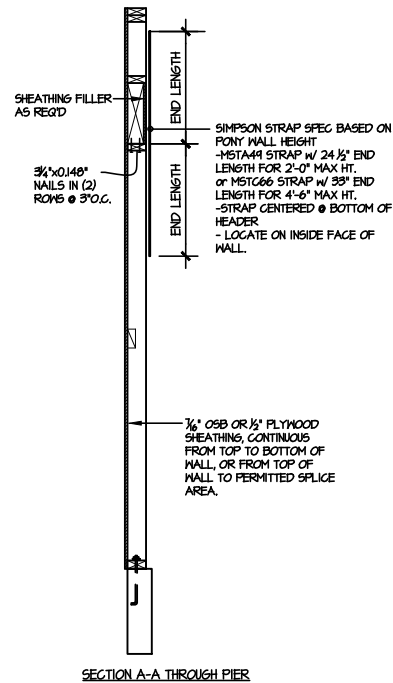
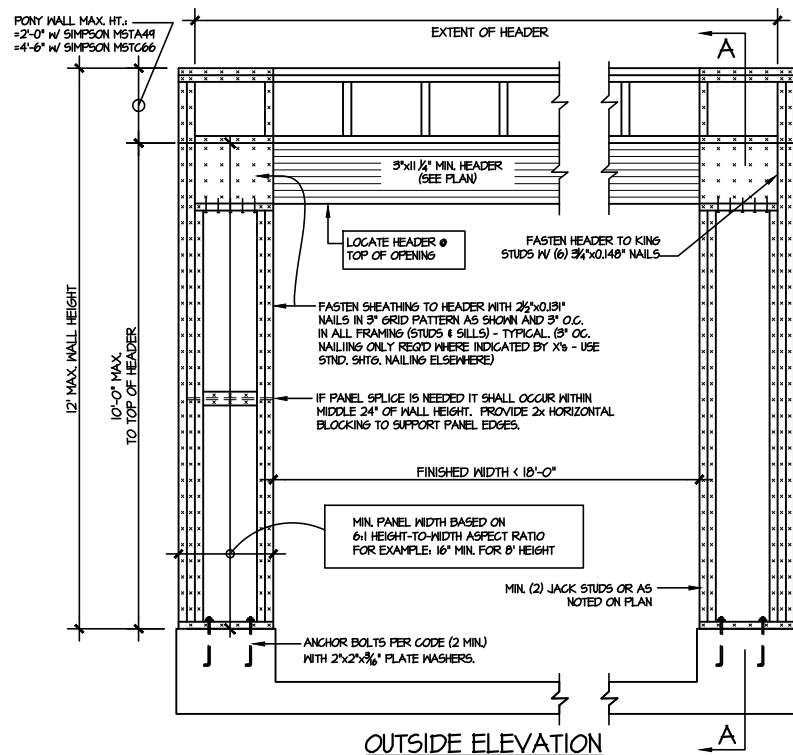
issue date: **06-13-25**

REVISIONS:

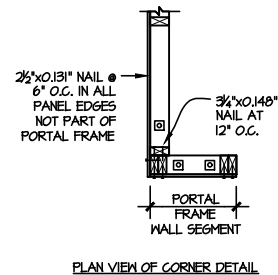
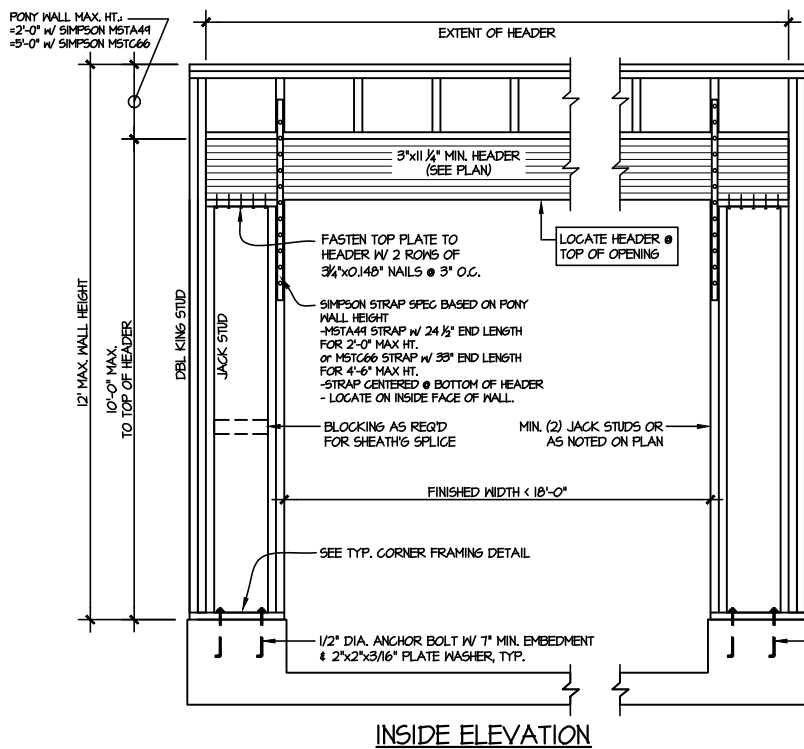
DRB
HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

sheet:
SD2.2



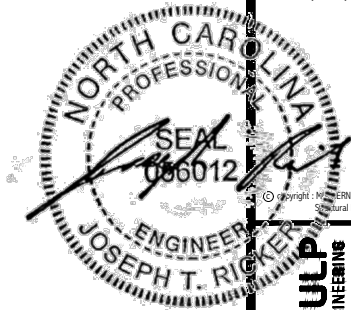
NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/4" OSB



ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:
1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD
2) 1/2" DIA. THREADED ROD EPOXY SET W/ 4 1/2" EMBED. (MIN UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL))

TWO SIDED GARAGE PORTAL FRAME BRACING
ELEVATION ON CONCRETE STEM

SCALE: N.T.S.



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Duneside Ave. Building 4 - Jacksonville, FL 32202
904-225-6925
NC LICENSE #C-3825



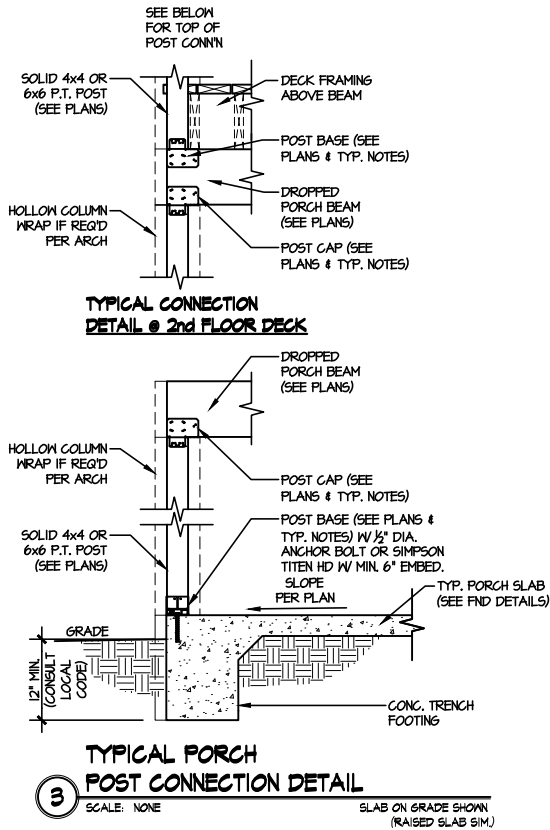
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126-24045
project mgr: JTR
drawn by: GTK
issue date: 06-13-25

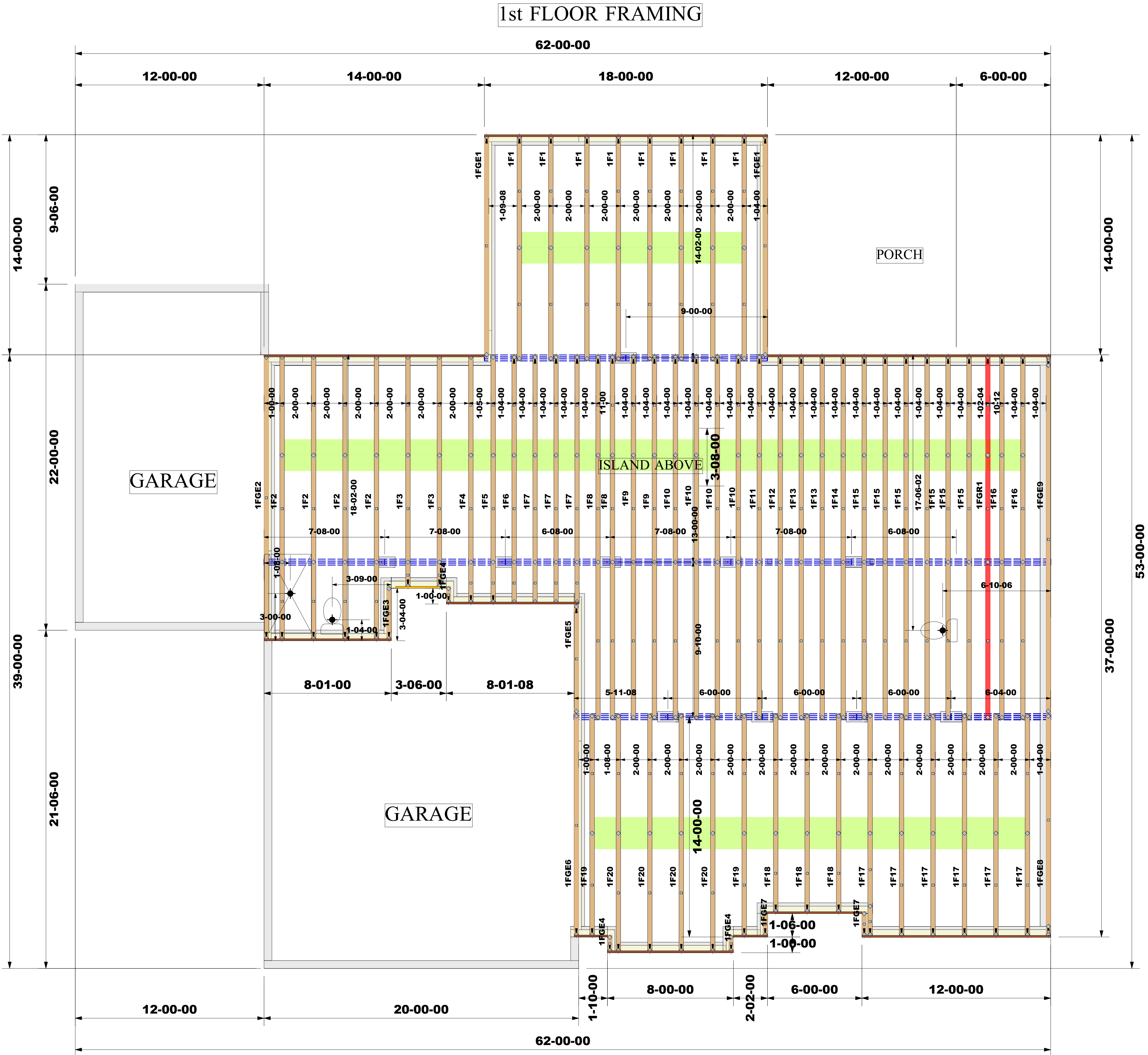
REVISIONS:

DRB
HOMES

FRAMING DETAILS
CAMPBELL RIDGE
LOT 20 - STONEFIELD 4
RALEIGH, NC

sheet:
SD3.0





CAMPBELL RIDGE LOT 00.0020
(NC)(RAL)
STONEFIELD REV.3
EL. 4
OPT.CRAWLSPACE
OPT.EXTENDED BREAKFAST/ MASTER
BEDROOM
OPT.GARAGE SIDE LOADED W/ 3RD CAR
GARAGE LEFT

*EXTERIOR DIMENSIONS ARE
TO STUD.
*TRUSSES @ 16" O/C U.N.O.
*INSTALLATION OF STRONGBACKS
RECOMMENDED (NOT REQUIRED).
*INSTALL 2X4 NAILERS ON ALL TOP RIBBON
NOTCH CONDITIONS.

Job #:

2505-7923

Designer:

Savvy Nath

Sales Rep:

Robbie Zarobinski

WARNING:

CONVENTIONAL FRAMING, ERECTION AND/OR
PERMANENT BRACING IS NOT THE RESPONSIBILITY OF
THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE
TRUSS MANUFACTURER. PERSONS ERECTING
TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL
ADVICE REGARDING THE ERECTION BRACING WHICH IS
ALWAYS REQUIRED TO PREVENT TOPPLING AND
DOMINOING DURING ERECTION, AND PERMANENT
BRACING WHICH MAY BE REQUIRED IN SPECIFIC
APPLICATIONS. SEE "BRACING WOOD TRUSSES
COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR
FURTHER INFORMATION.

TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND
PLUMB POSITION WHERE NO SHEATHING IS APPLIED
DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY
SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED
DESIGN. TRUSSES SHALL BE HANDLED WITH
REASONABLE CARE DURING ERECTION TO PREVENT
DAMAGE OR PERSONAL INJURY.

NOTE:

IT IS THE RESPONSIBILITY OF THE BUILDING
DESIGNER OR ARCHITECT TO PROVIDE AN
APPROPRIATE CONNECTION FOR TRUSSES TO
SUPPORTING STRUCTURE PER REACTIONS SHOWN
ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS
FOR MECHANICAL EQUIPMENT AND/OR PLUMBING
(AND THEIR CONNECTIONS) IN TRUSS SPACE MUST
BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS
LAYOUT PRIOR TO FABRICATION.

THIS COMPANY IS A TRUSS MANUFACTURER WHOSE
RESPONSIBILITIES ARE LIMITED TO THOSE
DESCRIBED IN WTCA 1-1995 "DESIGN
RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS
ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE
CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS
INCLUDING THE INSTALLATION, AND BRACING OF
TRUSSES MANUFACTURED BY THIS COMPANY.

Customer: DRB Raleigh

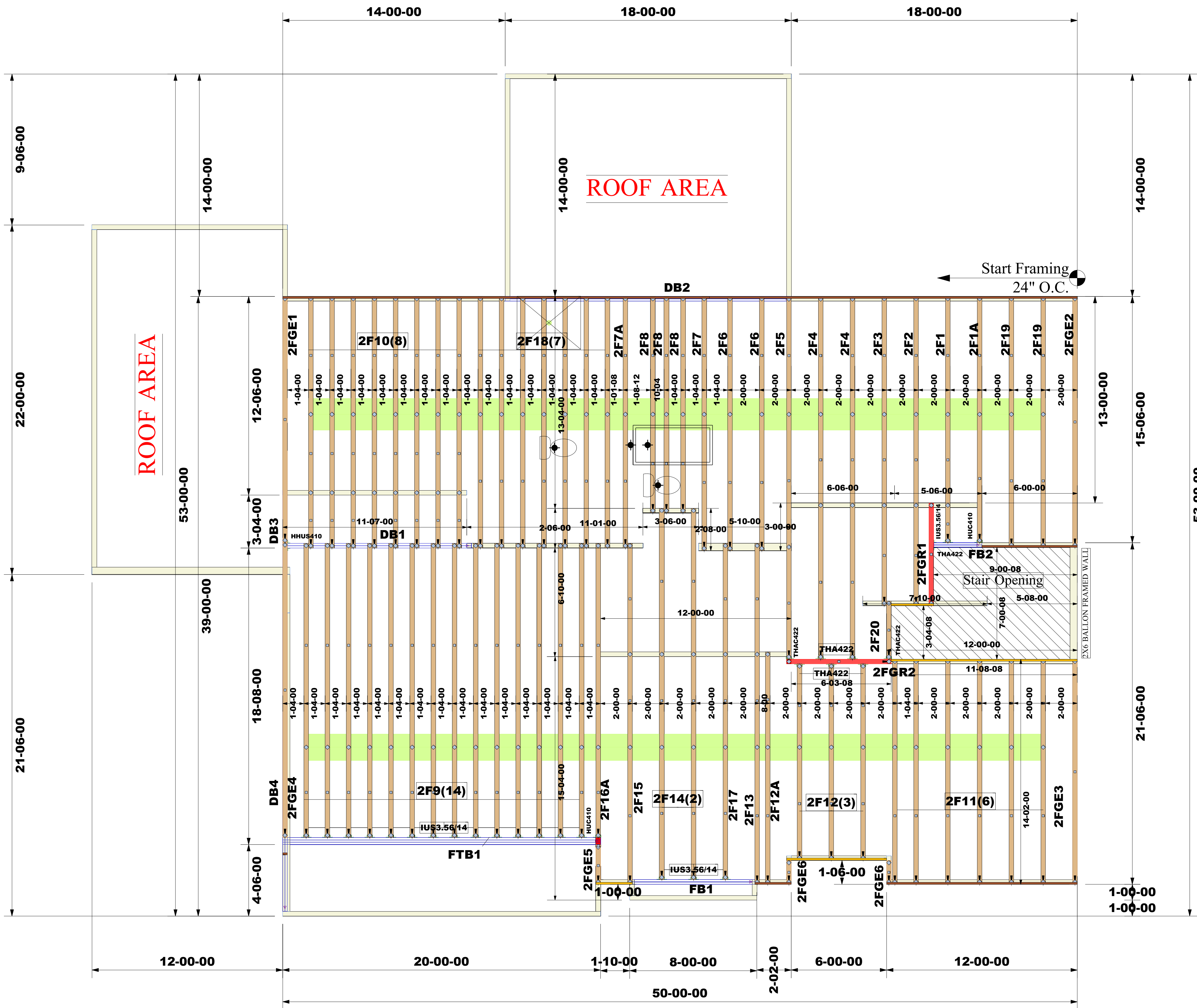
Job Name: Campbell Ridge Lot 00.0020 OWF

Lot #: 00.0020

Model Name: Stonefield Rev 3



SECOND FLOOR FRAMING



CAMPBELL RIDGE LOT 00.0020
(NC)(RAL)
STONEFIELD REV.3
EL. 4
OPT.CRAWLSPACE
OPT.EXTENDED BREAKFAST/ MASTER
BEDROOM
OPT.GARAGE SIDE LOADED W/ 3RD CAR
GARAGE LEFT

*EXTERIOR DIMENSIONS ARE
TO STUD.
*TRUSSES @ 16" O/C U.N.O.
*INSTALLATION OF STRONGBACKS
RECOMMENDED (NOT REQUIRED).
*INSTALL 2X4 NAILERS ON ALL TOP RIBBON
NOTCH CONDITIONS.

Truss Connector Total List		
Qty	Product	Manuf
2	HUC410	Simpson
18	IUS3.56/14	Simpson
6	THA422	Simpson
2	THAC422	Simpson
1	HHUS410	Simpson

Products				
Net Qty	Plies	Product	Length	PlotID
2	2	1 3/4" x 11 7/8" (2.0E 3100) LVL	12-00-00	DB1
2	2	1 3/4" x 11 7/8" (2.0E 3100) LVL	6-00-00	DB3
2	2	1 3/4" x 14" (2.0E 3100) LVL	8-00-00	FB1
2	2	1 3/4" x 14" (2.0E 3100) LVL	4-00-00	FB2
2	2	1 3/4" x 16" (2.0E 3100) LVL	20-00-00	DB4
2	2	1 3/4" x 16" (2.0E 3100) LVL	18-00-00	DB2
3	3	1 3/4" x 18" (2.0E 3100) LVL	20-00-00	FTB1

Job #:

2505-7923

Designer:

Savvy Nath

Sales Rep:

Robbie Zarobinski

WARNING:

CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE TRUSS MANUFACTURER. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING THE ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TOPPLING AND DOMINOING DURING ERECTION, AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR FURTHER INFORMATION.

TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED DESIGN. TRUSSES SHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.

NOTE:

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.

THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WTCA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION, AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY.

Customer: DRB Raleigh

Job Name: Campbell Ridge Lot 00.0020 OWF

Lot #: 00.0020

Model Name: Stonefield Rev 3

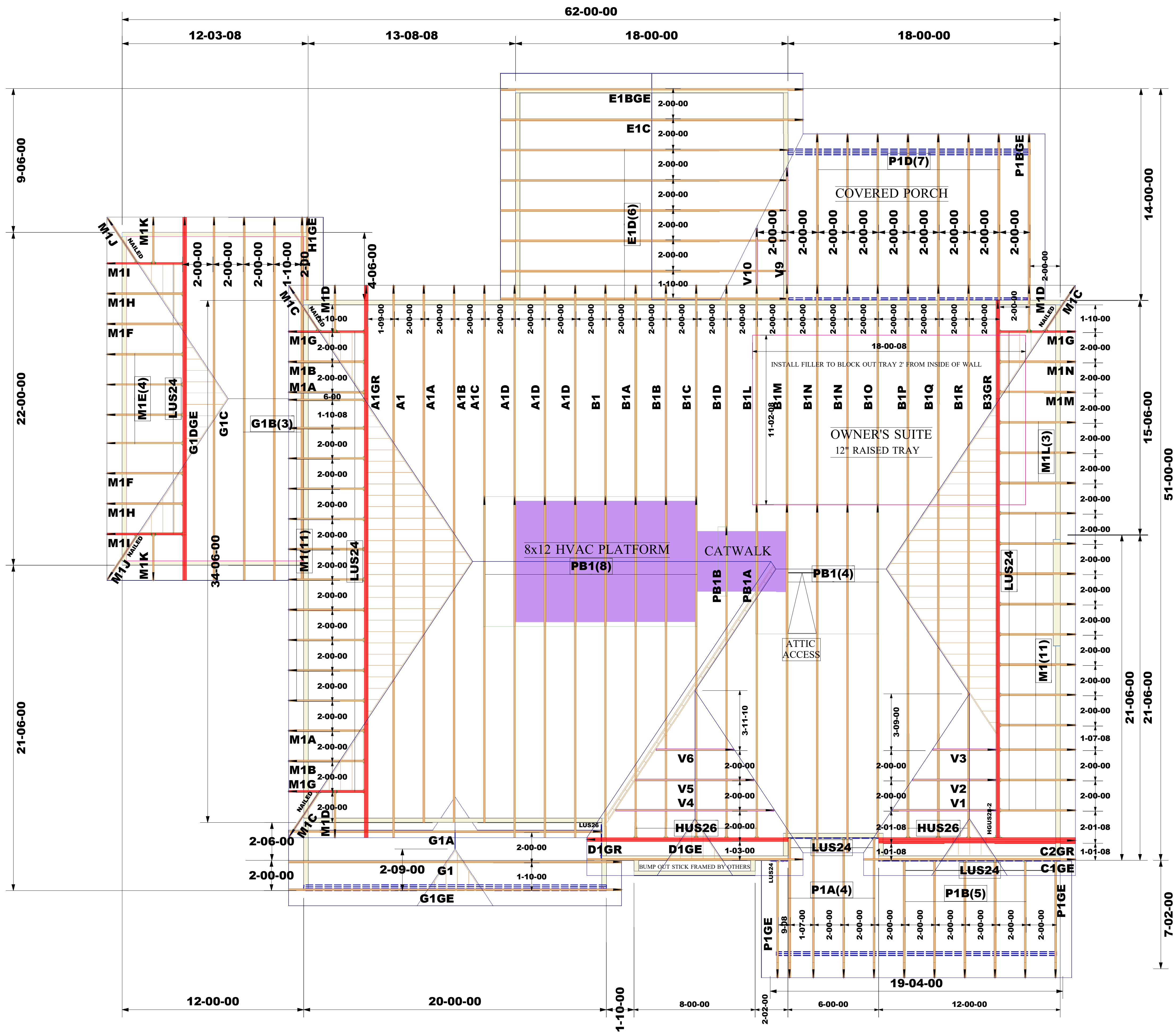


Structural, LLC
201 Poplar Avenue
Thurmont, MD 21788
Phone: 301-271-7591



ROOF TRUSS LAYOUT


SCALE: NTS



- *EXTERIOR DIMENSIONS ARE TO STUD.
- *TOE-NAIL CONNECTIONS U.N.O.
- *TRUSSES @ 2' O/C U.N.O.
- *PROVIDE LAY-IN FRAMING ON HATCHED AREAS SHOWN.
- *INSTALL LAY-IN TRUSS ON HATCHED AREAS SHOWN.
- *INSTALL SIMPSON One H2.5A HURRICANE ANCHOR AT EACH BEARING POINT

Truss Connector Total List		
Qty	Product	Manuf
57	LUS24	Simpson
3	LUS26	Simpson
9	HUS26	Simpson
1	HGUS28-2	Simpson
135	One H2.5A	Simpson

CAMPBELL RIDGE LOT 00.0020
(NC)(RAL)
STONEFIELD REV.3
EL. 4
OPT.COVERED PORCH
OPT.EXTENDED BREAKFAST/ MASTER BEDROOM
OPT.TRAY CEILING OWNER'S BEDROOM
OPT.GARAGE 2 CAR SIDE ENTRY W/ 3RD CAR FRONT
ENTRY
GARAGE LEFT

Job #:	2505-7925	<p>WARNING:</p> <p>CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE TRUSS MANUFACTURERS. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING THE ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TOPPLING AND DOMINION DURING ERECTION, AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCS 1) FOR FURTHER INFORMATION.</p> <p>TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED DESIGN. TRUSSES SHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.</p>	<p>NOTE:</p> <p>IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER OR APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.</p> <p>THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WYCA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION, AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY.</p>	<p>Customer: DRB Raleigh</p> <p>Job Name: Campbell Ridge Roof</p> <p>Lot #: 00.0020</p> <p>Model Name: Stonefield Rev. 3</p>	 <p>Third-Party Quality Assurance Licensee TPI Plant W974</p> <p>Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591</p> 
Designer:	Savvy Nath				
Sales Rep:	Robbie Zarobinski				