

# ARLINGTON-RALE

RALEIGH- LOT 00.0124 BLAKE POND SF

(MODEL# 1630)

## ELEVATION 4 - GL

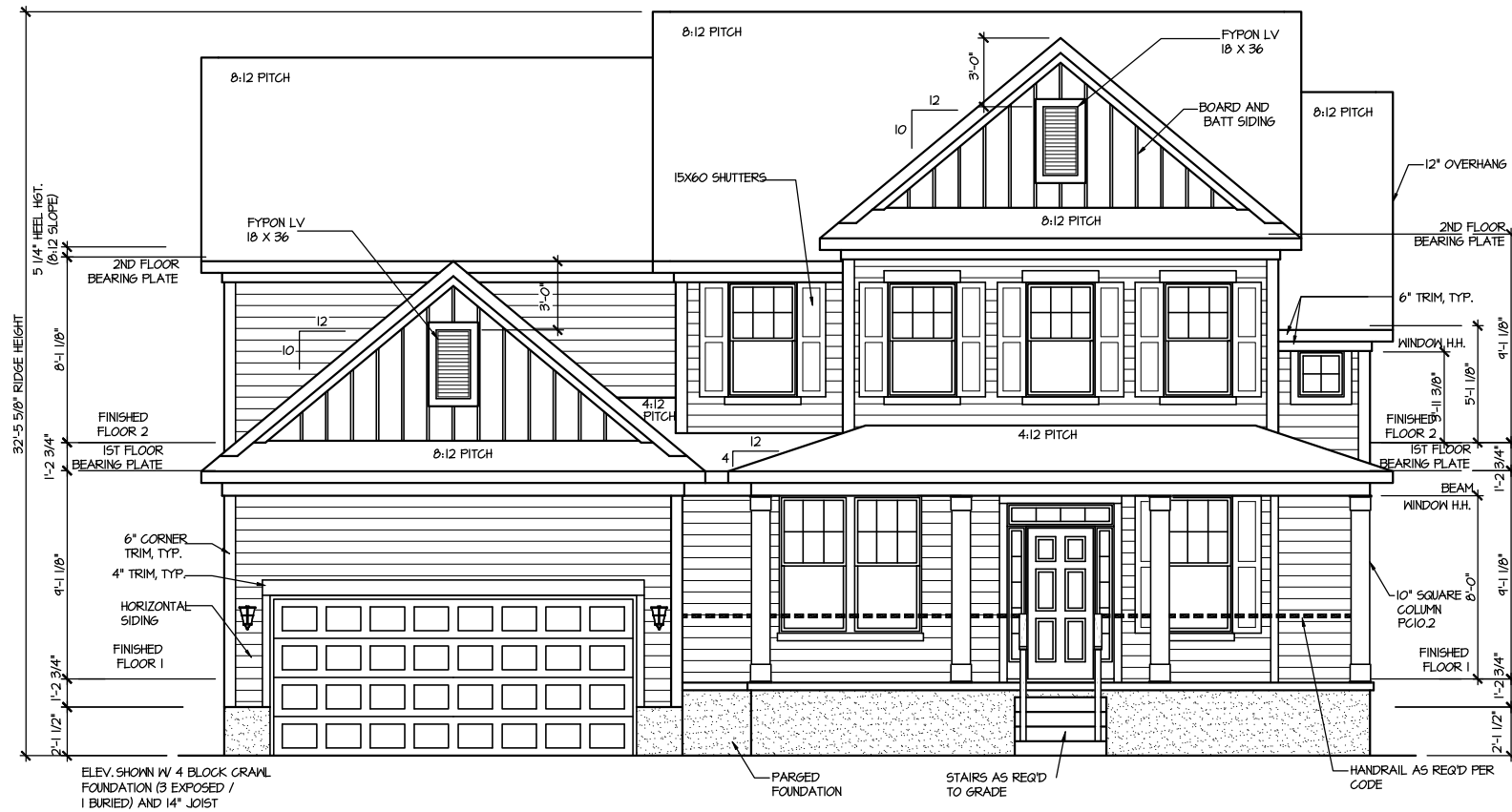
# 129 Celtic Lane

## INDEX

LOT SPECIFIC

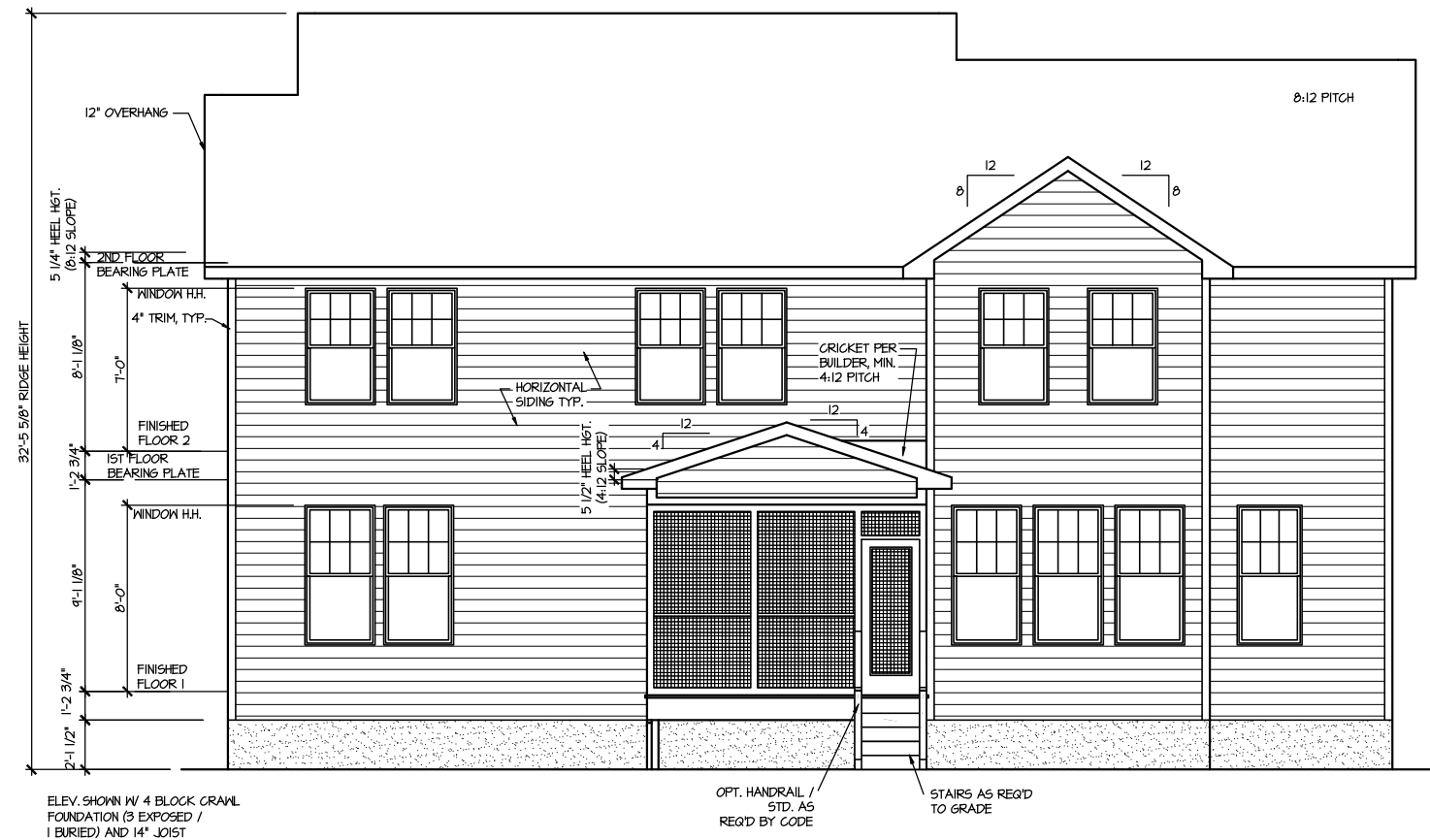
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FILE: Lot\_00.0124.dwg DATE: 5/23/2025 10:20 AM



FRONT ELEVATION 4

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



REAR ELEVATION 4

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

MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
1-RALE	10-18-2019	04-29-2024

DRAWN BY:  
ITS

DATE: 05/23/2025

PLAN NO.  
1630

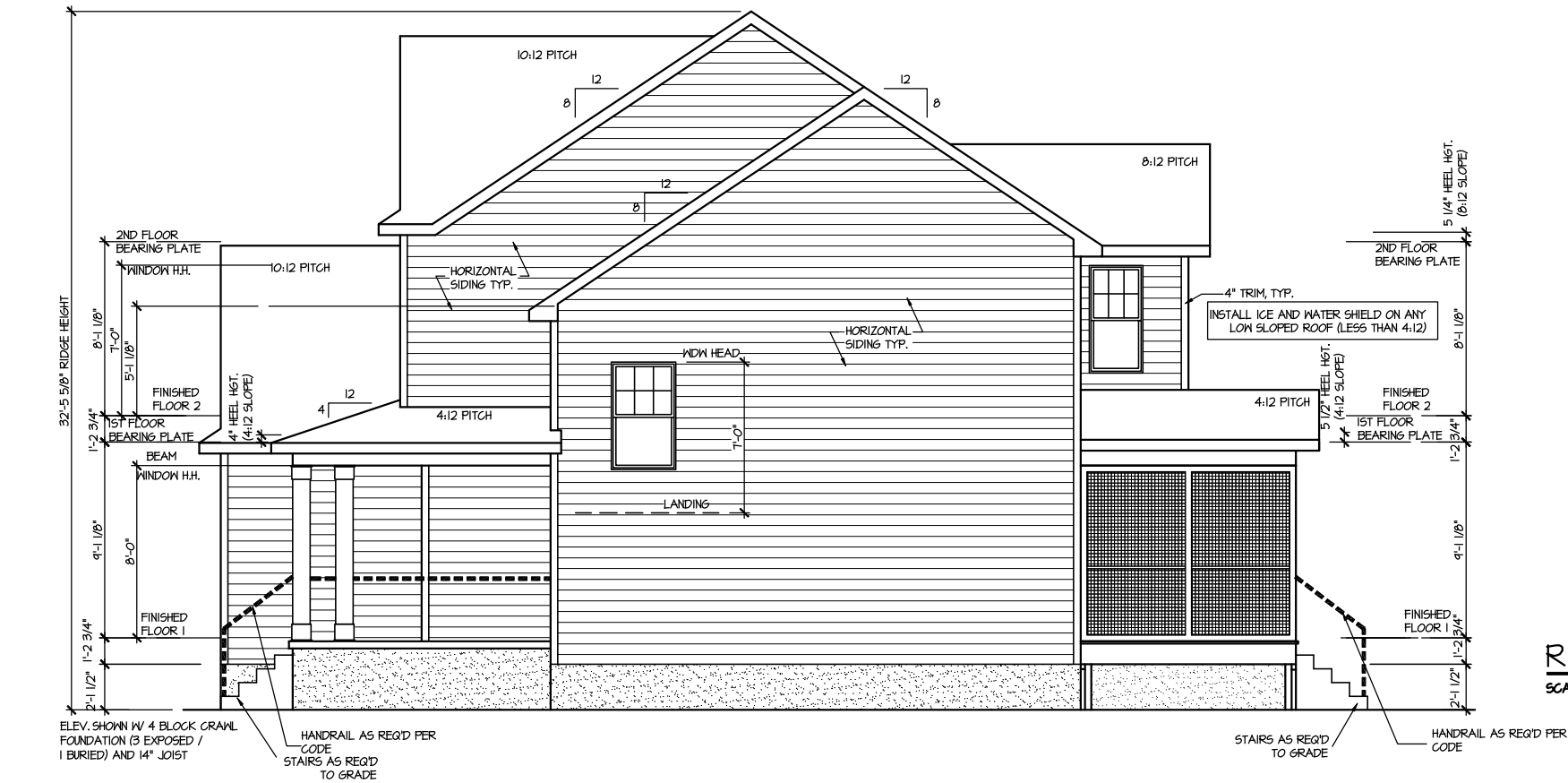
**DRB**  
**HOMES**

HOUSE NAME:  
**ARLINGTON**

DRAWING TITLE  
**FRONT & REAR ELEVATIONS**

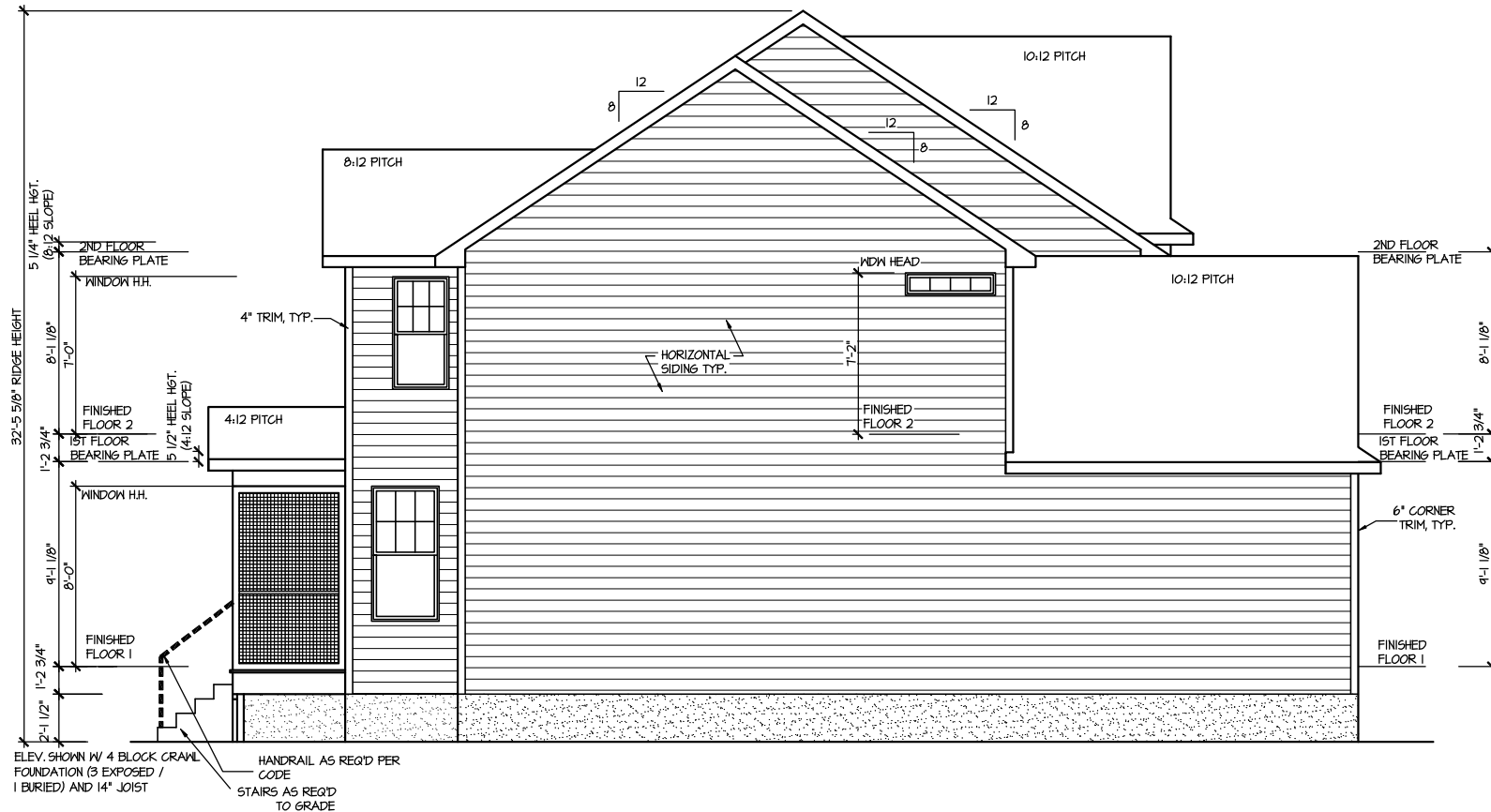
SHEET No.

A.1



RIGHT ELEVATION 4

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



LEFT ELEVATION 4

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

MASTER PLAN INFORMATION

REVISION DATE 1-RALE 10-18-2019

UPDATED DATE 04-29-2024

DRAWN BY: ITS

DATE: 05/23/2025

PLAN NO. 1630

DRB HOMES

HOUSE NAME: ARLINGTON

DRAWING TITLE

RIGHT & LEFT ELEVATIONS

SHEET No.

A1.2

ATTIC VENT CALCULATION FOR PLAN '4'

ROOF VENTILATION CALCULATIONS:

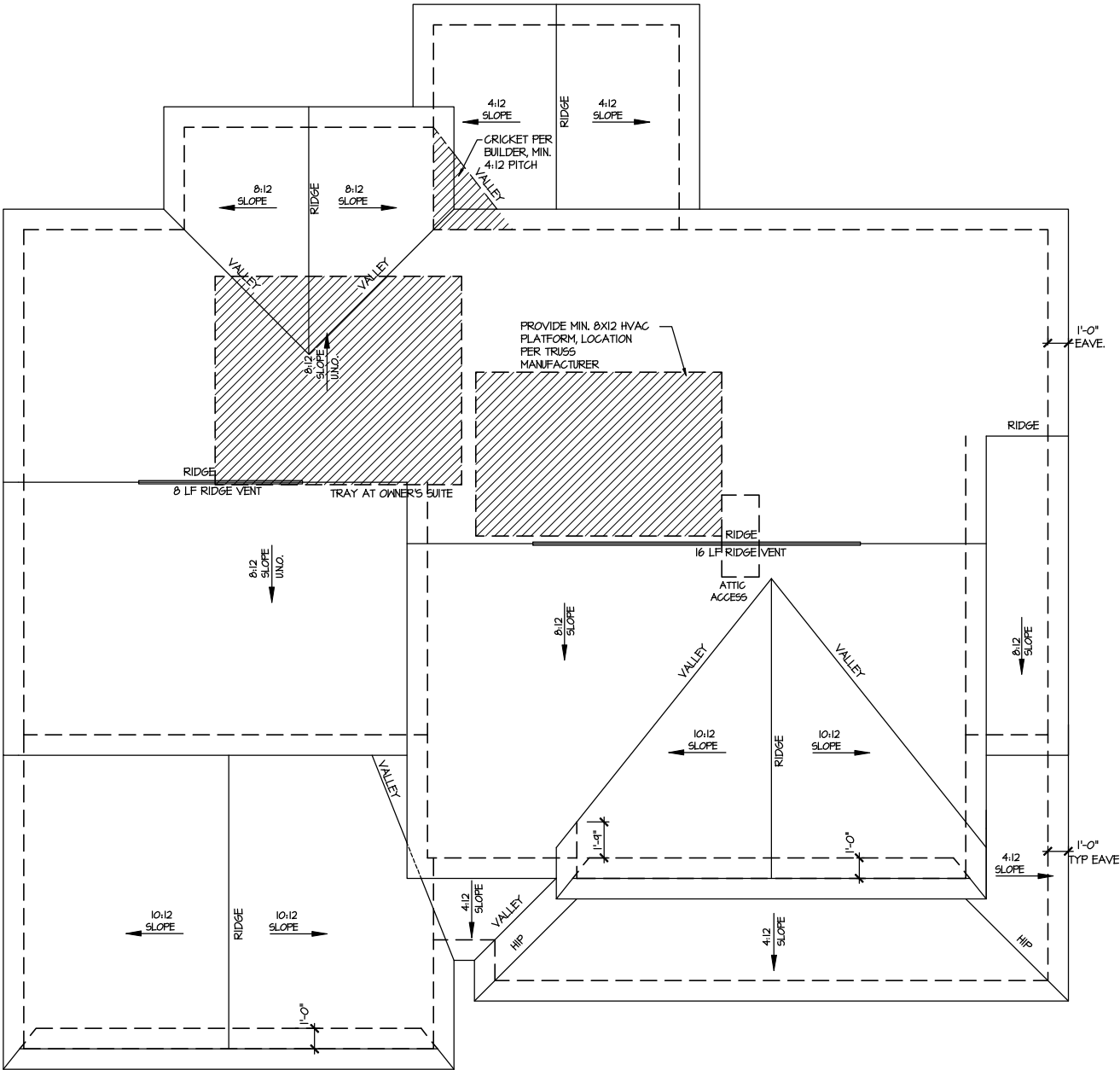
ROOF AREA 1 = 1715 SQ. FT.  
OVERALL REQUIRED VENTILATION:  
1 TO 60 = 11.43 SQ. FT.  
1 TO 300 = 5.12 SQ. FT.  
50% IN TOP THIRD = 2.86 SQ. FT. (1 TO 300)  
NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN. / LINEAR FT.  
NET FREE AREA OF RIDGE VENT = 18 SQ. IN. / LINEAR FT.  
LOWER VENTING (BOTTOM 2/3 RDS)  
84 LINEAR FEET OF SOFFIT X 5.1 SQ. IN. = 3.33 SQ. FT.  
UPPER VENTING (TOP 1/3 RDS)  
24 LINEAR FEET OF RIDGE X 18 SQ. IN. = 9 SQ. FT. AT 50%  
(1 TO 300 ALLOWED)  
TOTAL ROOF VENTILATION: 6.33 SQ. FT. > 5.12 SQ. FT. (REQ'D)

ROOF VENTILATION CALCULATIONS:

ROOF AREA 2 = 1714 SQ. FT.  
OVERALL REQUIRED VENTILATION:  
1 TO 60 = 11.43 SQ. FT.  
1 TO 300 = 5.12 SQ. FT.  
50% IN TOP THIRD = 2.86 SQ. FT. (1 TO 300)  
NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN. / LINEAR FT.  
NET FREE AREA OF RIDGE VENT = 18 SQ. IN. / LINEAR FT.  
LOWER VENTING (BOTTOM 2/3 RDS)  
84 LINEAR FEET OF SOFFIT X 5.1 SQ. IN. = 3.33 SQ. FT.  
UPPER VENTING (TOP 1/3 RDS)  
24 LINEAR FEET OF RIDGE X 18 SQ. IN. = 9 SQ. FT. AT 50%  
(1 TO 300 ALLOWED)  
TOTAL ROOF VENTILATION: 6.33 SQ. FT. > 5.12 SQ. FT. (REQ'D)

ROOF VENTILATION CALCULATIONS:

ROOF AREA 4 = 120 SQ. FT.  
OVERALL REQUIRED VENTILATION:  
1 TO 60 = 0.80 SQ. FT.  
1 TO 300 = 0.40 SQ. FT.  
50% IN TOP THIRD = 0.20 SQ. FT. (1 TO 300)  
NET FREE AREA OF VENTED SOFFIT = 5.1 SQ. IN. / LINEAR FT.  
NET FREE AREA OF RIDGE VENT = 18 SQ. IN. / LINEAR FT.  
LOWER VENTING (BOTTOM 2/3 RDS)  
20 LINEAR FEET OF SOFFIT X 5.1 SQ. IN. = 0.71 SQ. FT.  
UPPER VENTING (TOP 1/3 RDS)  
8 LINEAR FEET OF RIDGE X 18 SQ. IN. = 1 SQ. FT. AT 50%  
(1 TO 300 ALLOWED)  
TOTAL ROOF VENTILATION: 1.71 SQ. FT. > 0.32 SQ. FT. (REQ'D)



ROOF PLAN ELEV. 4

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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
1-RALE	10-18-2019	04-29-2024

DRAWN BY:	ITS
DATE:	05/23/2025
PLAN NO.	1630

DRB  
HOMES

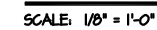
HOUSE NAME:  
ARLINGTON  
DRAWING TITLE  
ROOF PLAN

SHEET No.  
A.3



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

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

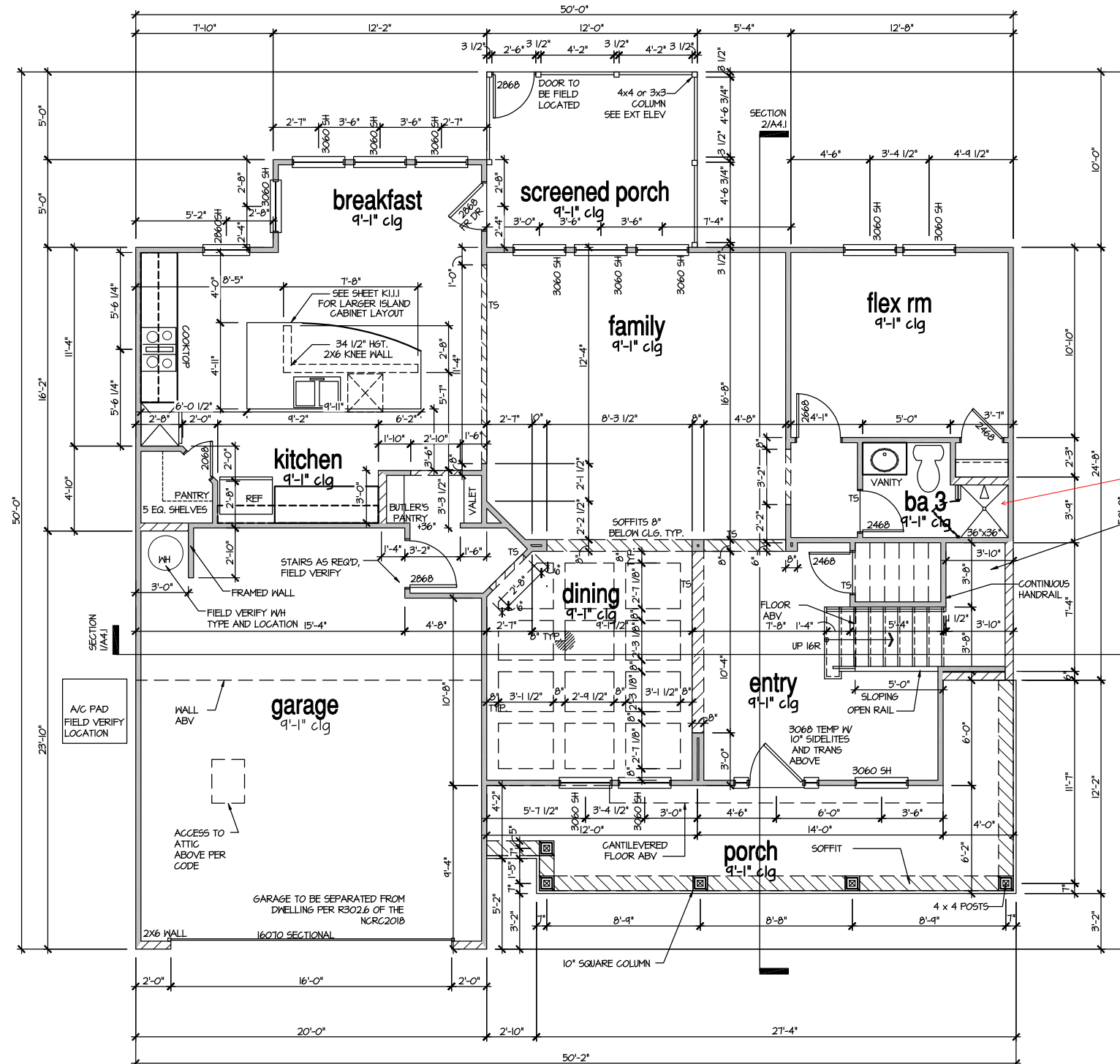


SHEET No. A2.1

FILE: Lot 00.0124.dwg DATE: 5/23/2025 10:20 AM

# ELEVATION 4 FIRST FLOOR PLAN

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



Level 1 Tile Shower  
w/Fiber Glass Pan  
ILO Standard

STAIRS TO BE DESIGNED  
PER R310.1.5 OF THE  
NRC2018 CODE  
MIN. 9" TREAD DEPTH  
MAX. 8 1/4" RISER HEIGHT

## MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
1-RALE	10-18-2019	04-29-2024

DRAWN BY:  
ITS

DATE:  
05/23/2025

PLAN NO.  
1630

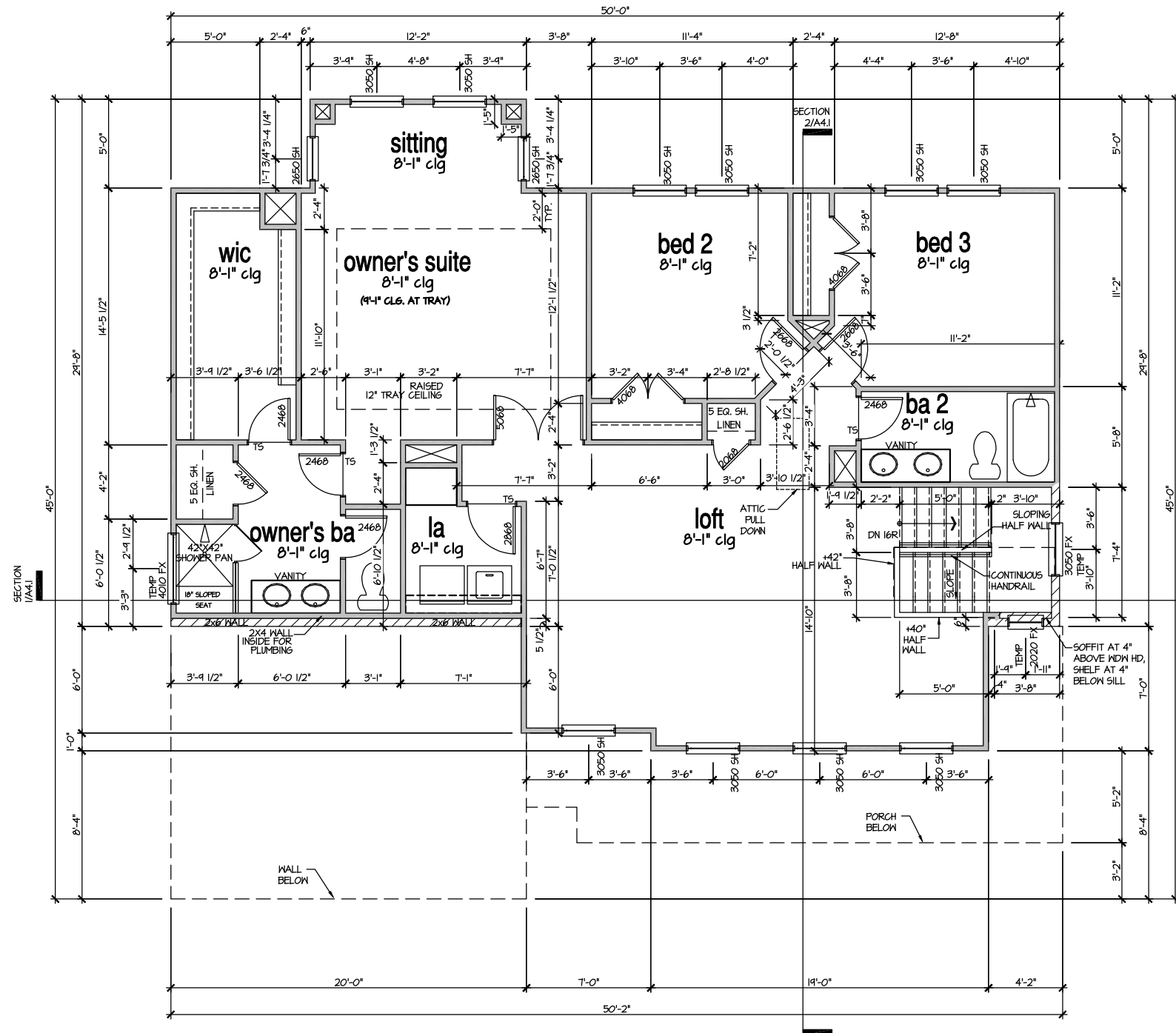
**DRB**  
HOMES

HOUSE NAME:  
ARLINGTON  
DRAWING TITLE  
FIRST FLOOR PLAN

SHEET No.

A3.1

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



MASTER PLAN INFORMATION			
REVISION	DATE	BY	UPDATED DATE
1-RALE	10-18-2019		04-29-2024

DRAWN BY:		ITS
DATE:		05/23/2025
PLAN NO.		1630



HOUSE NAME:		ARLINGTON
DRAWING TITLE		SECOND FLOOR PLAN

SHEET No.	A3.2
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FILE: Lot\_00.0124.dwg DATE: 5/23/2025 10:20 AM

NOTES:

- BUILDING SECTIONS SHOWN HERE DEPICT VOLUME SPACES WITHIN THE STRUCTURE. REFER TO STRUCTURAL DRAWINGS, TRUSS DRAWINGS, STRUCTURAL DETAILS AND CALCULATIONS BY OTHER FOR ALL STRUCTURAL INFO.

- ROOFING: PITCHED SHINGLE ROOF. REFER TO ROOF PLAN FOR TYPICALS.

- WOOD FLOORS: FLOOR SHEATHING OVER FLOOR JOIST. REFER TO STRUCTURAL AND TRUSS DRAWINGS BY OTHERS.

- INSULATION:

EXTERIOR WALLS: R-13 BATTS MINIMUM. VERIFY

CEILING WITH ATTIC ABOVE: R-38 BATTS MINIMUM. VERIFY

FLOOR OVER GARAGE: R-19 BATTS MINIMUM. VERIFY

ATTIC KNEEWALL: R-19 BATTS MINIMUM. VERIFY

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

Section 1 is a vertical cross-section of the house. It shows the following spaces from left to right: Garage, Dining, Entry, Stairs, and Loft. The drawing includes structural details such as insulation, sheathing, and vapor barriers. Dimensions are provided for various components, including floor-to-floor heights, ceiling heights, and wall thicknesses. A note at the top center refers to structural drawings to verify truss direction. The drawing is labeled 'SECTION 1' and 'SCALE: 1/8" = 1'-0"'. Other labels include 'O.B.A.', 'LAU.', 'LOFT', 'DINING', 'ENTRY', 'STOR.', 'CLIPPED CEILING AT STAIRS LOW PLATE', '1/2" INT. GMB', 'FULL CAVITY INSULATION PER CODE', 'EXT. SHEATHING PER ENGINEERING', 'VAPOR BARRIER PER CODE', 'APPROX. FINISH GRADE', and '16 RISES AT 11 3/8" AT 123 3/4" TOTAL RISE'.

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

Section 2 is a vertical cross-section of the house. It shows the following spaces from left to right: Family, Entry, and Bedroom (BED 3). The drawing includes structural details such as insulation, sheathing, and vapor barriers. Dimensions are provided for various components, including floor-to-floor heights, ceiling heights, and wall thicknesses. A note at the top center refers to structural drawings to verify truss direction. The drawing is labeled 'SECTION 2' and 'SCALE: 1/8" = 1'-0"'. Other labels include 'BED 3', 'FAMILY', 'ENTRY', '1/2" INT. GMB', 'FULL CAVITY INSULATION PER CODE', 'EXT. SHEATHING PER ENGINEERING', 'VAPOR BARRIER PER CODE', and '4'-10'-2"'. The drawing also shows a section of the roof with a pitch of 12/8.

SECTION 2  
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
1-RALE	10-18-2019		04-29-2024

DRAWN BY:	ITS
DATE:	05/23/2025
PLAN NO.	1630































DRB  
HOMES

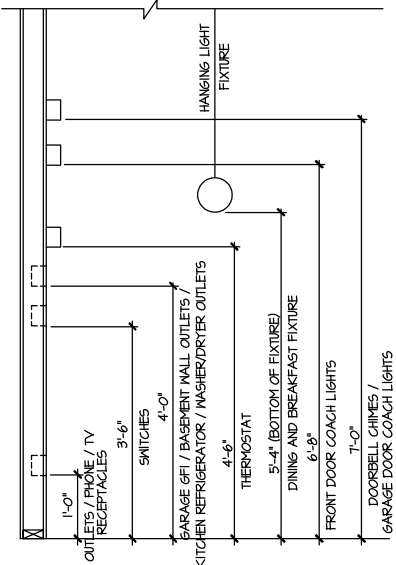
HOUSE NAME:  
ARLINGTON  
DRAWING TITLE  
BUILDING SECTION

SHEET No.  
A4.1

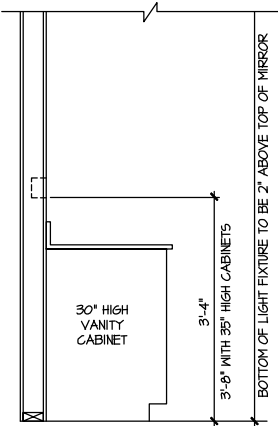
NOTES:

- 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.

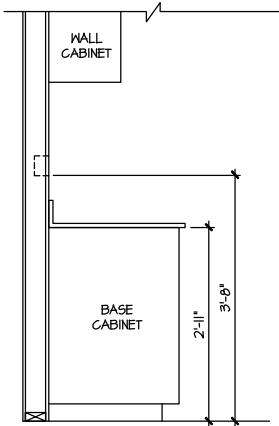
LEGEND:					
	DUPLEX OUTLET		CEILING MOUNTED INCANDESCENT LIGHT FIXTURE		CHIMES
	WEATHERPROOF GFI DUPLEX OUTLET		WALL MOUNTED INCANDESCENT LIGHT FIXTURE		PUSHBUTTON SWITCH
	GROUND-FAULT CIRCUIT-INTERRUPTER DUPLEX OUTLET		RECESSED INCANDESCENT LIGHT FIXTURE		110V SMOKE DETECTOR W/ BATTERY BACKUP
	HALF-SWITCHED DUPLEX OUTLET		EXHAUST FAN (VENT TO EXTERIOR)		CO2 DETECTOR
	220 VOLT OUTLET		EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)		THERMOSTAT
	REINFORCED JUNCTION BOX		LED SURFACE MOUNTED		TELEPHONE
	WALL SWITCH		KEYLESS LIGHT FIXTURE		TELEVISION
	THREE-WAY SWITCH				ELECTRIC METER
	FOUR-WAY SWITCH				ELECTRIC PANEL
					DISCONNECT SWITCH
					CEILING FAN (PROVIDE ADEQUATE SUPPORT)
					CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
					GAS SUPPLY WITH VALVE
					HOSE BIBB



STANDARD ELECTRICAL BOX HEIGHTS



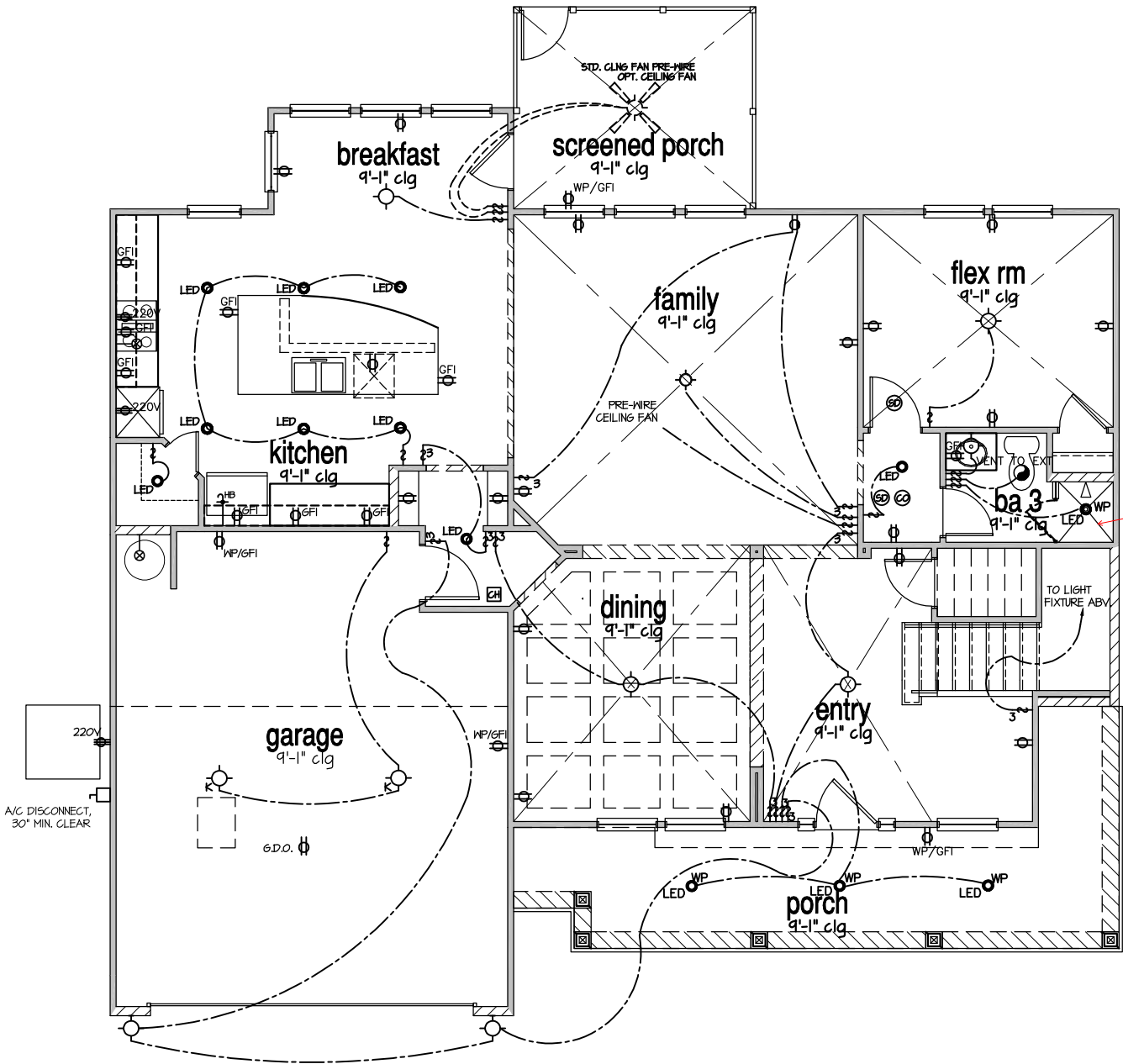
SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS



SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS































ELECTRICAL PLAN  
FIRST FLOOR - ELEV. 4

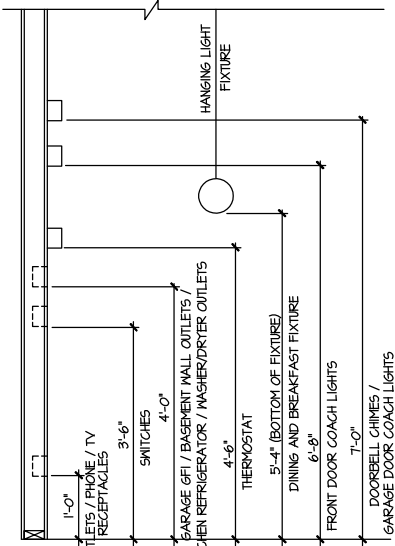
SCALE: 1/8" = 1'-0"



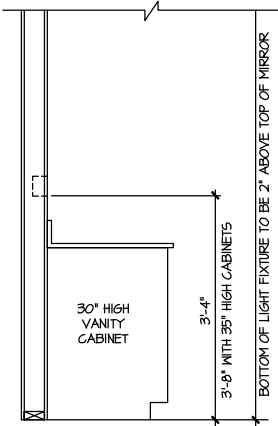
Level 1 Tile Shower  
w/Fiber Glass Pan  
ILO Standard

- 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.

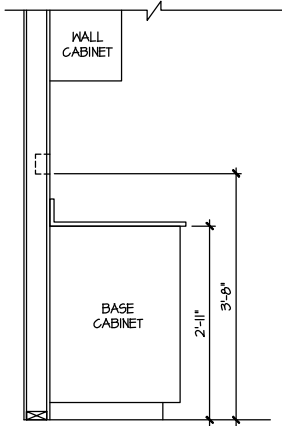
LEGEND:					
	DUPLEX OUTLET		CEILING MOUNTED INCANDESCENT LIGHT FIXTURE		CHIMES
	WEATHERPROOF GFI DUPLEX OUTLET		WALL MOUNTED INCANDESCENT LIGHT FIXTURE		PUSHBUTTON SWITCH
	GROUND-FAULT CIRCUIT-INTERRUPTER DUPLEX OUTLET		RECESSED INCANDESCENT LIGHT FIXTURE		110V SMOKE DETECTOR w/ BATTERY BACKUP
	HALF-SWITCHED DUPLEX OUTLET		EXHAUST FAN (VENT TO EXTERIOR)		CO2 DETECTOR
	220 VOLT OUTLET		EXHAUST FANLIGHT COMBINATION (VENT TO EXTERIOR)		THERMOSTAT
	REINFORCED JUNCTION BOX		LED SURFACE MOUNTED		TELEPHONE
	WALL SWITCH		KEYLESS LIGHT FIXTURE		TELEVISION
	THREE-WAY SWITCH				ELECTRIC METER
	FOUR-WAY SWITCH				ELECTRIC PANEL
					DISCONNECT SWITCH
					CEILING FAN (PROVIDE ADEQUATE SUPPORT)
					CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
					GAS SUPPLY WITH VALVE
					HOSE BIBB



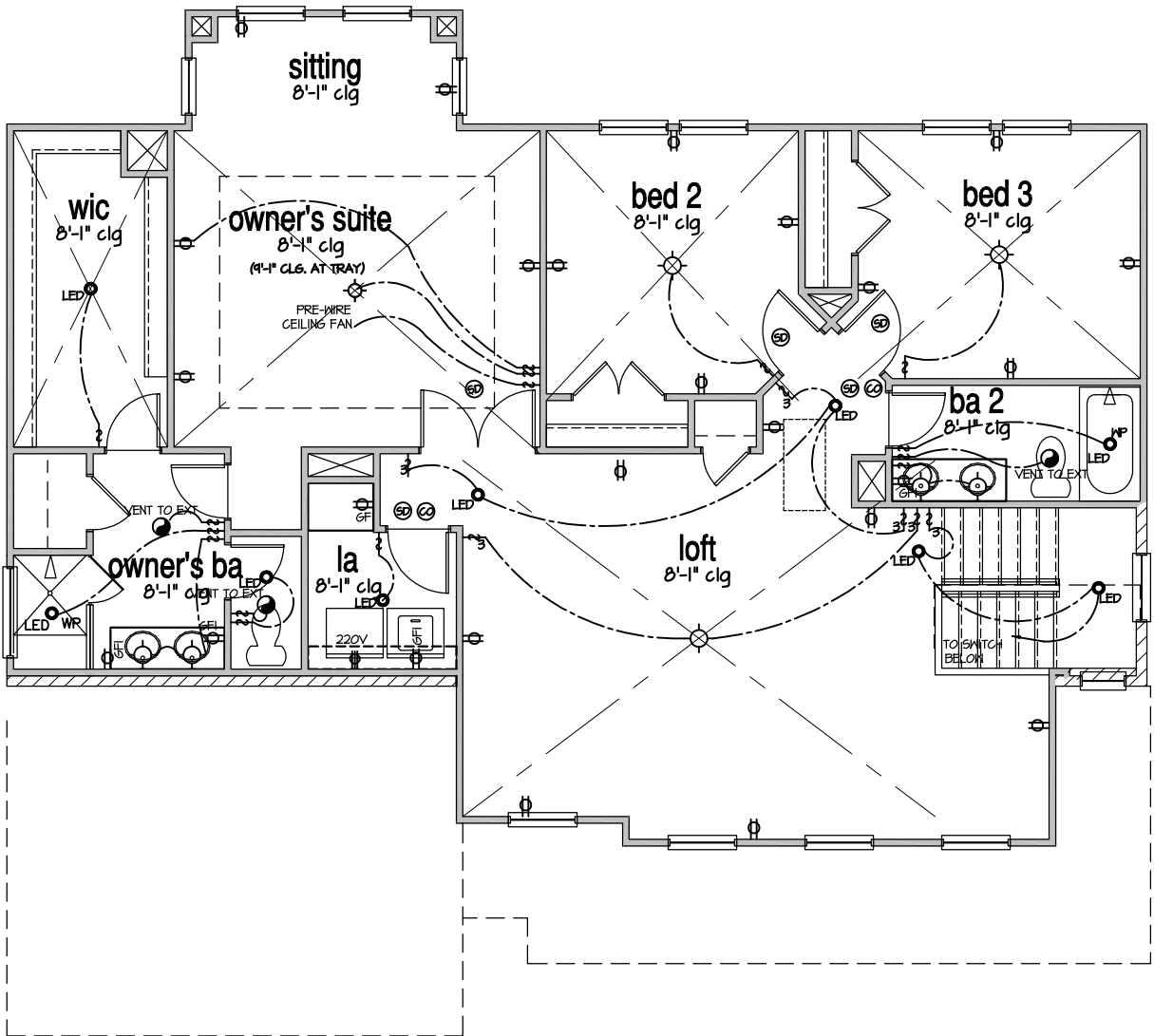
STANDARD ELECTRICAL BOX HEIGHTS



SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS



SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS



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

FILE: Lot\_00.0124.dwg DATE: 5/23/2025 10:20 AM

MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
1-RALE	10-18-2019	04-29-2024

DRAWN BY: ITS

DATE: 05/23/2025

PLAN NO. 1630

DRB  
HOMES

HOUSE NAME:  
ARLINGTON

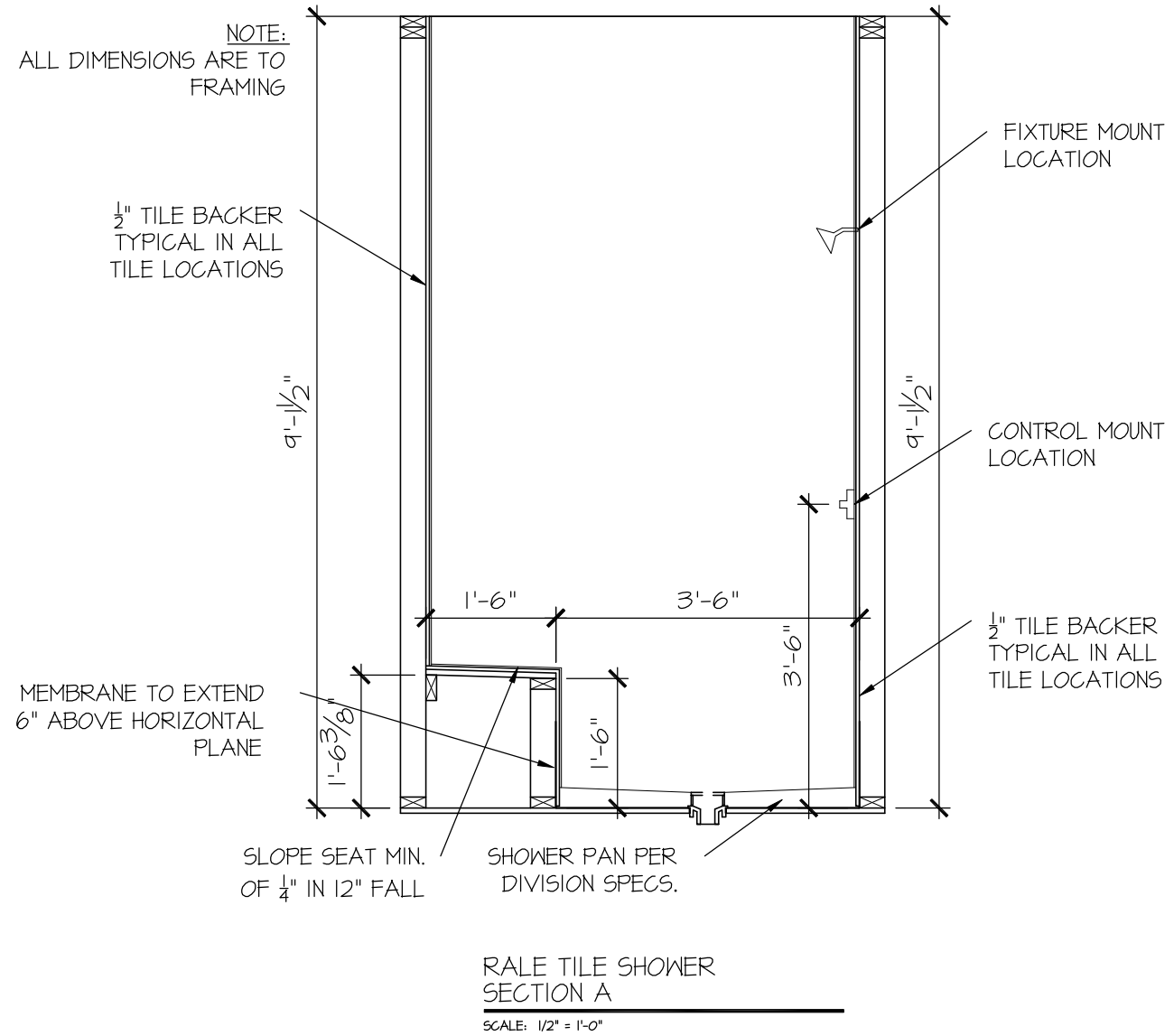
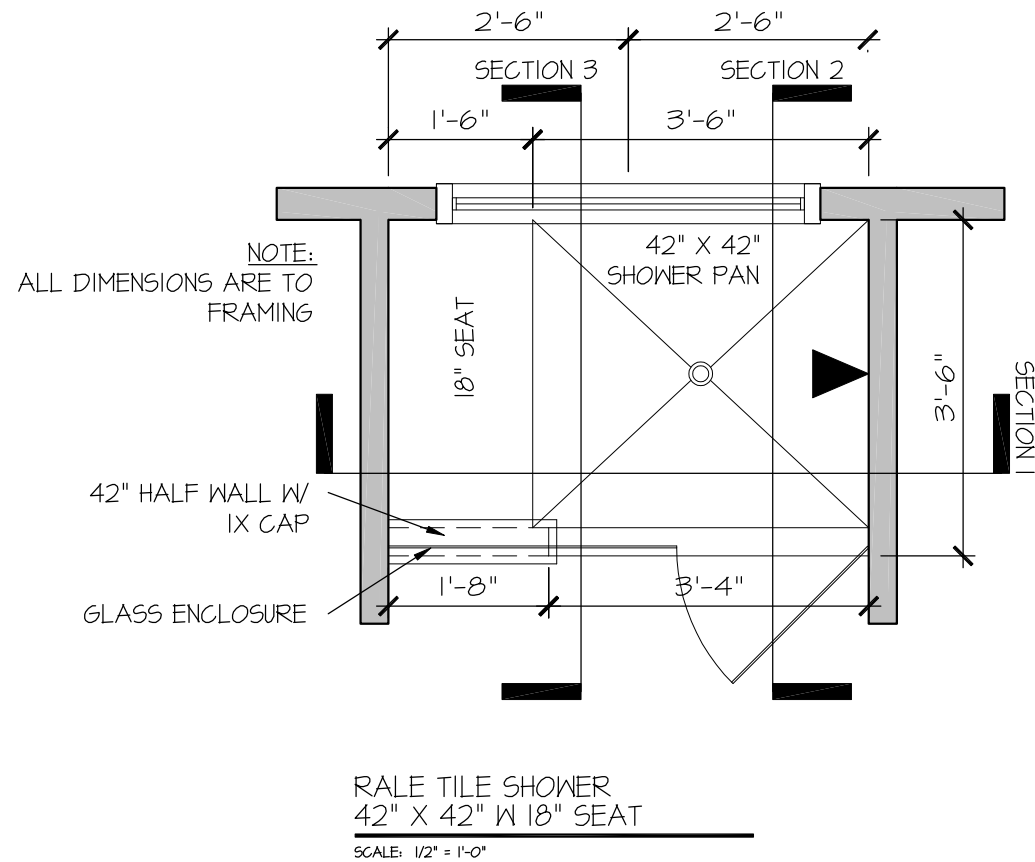
DRAWING TITLE

SECOND FLOOR ELECTRICAL

SHEET No.

1.2

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



CONSULTANT LOGO

SEAL

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

**DRB**  
HOMES

HOUSE NAME:

DRAWING TITLE

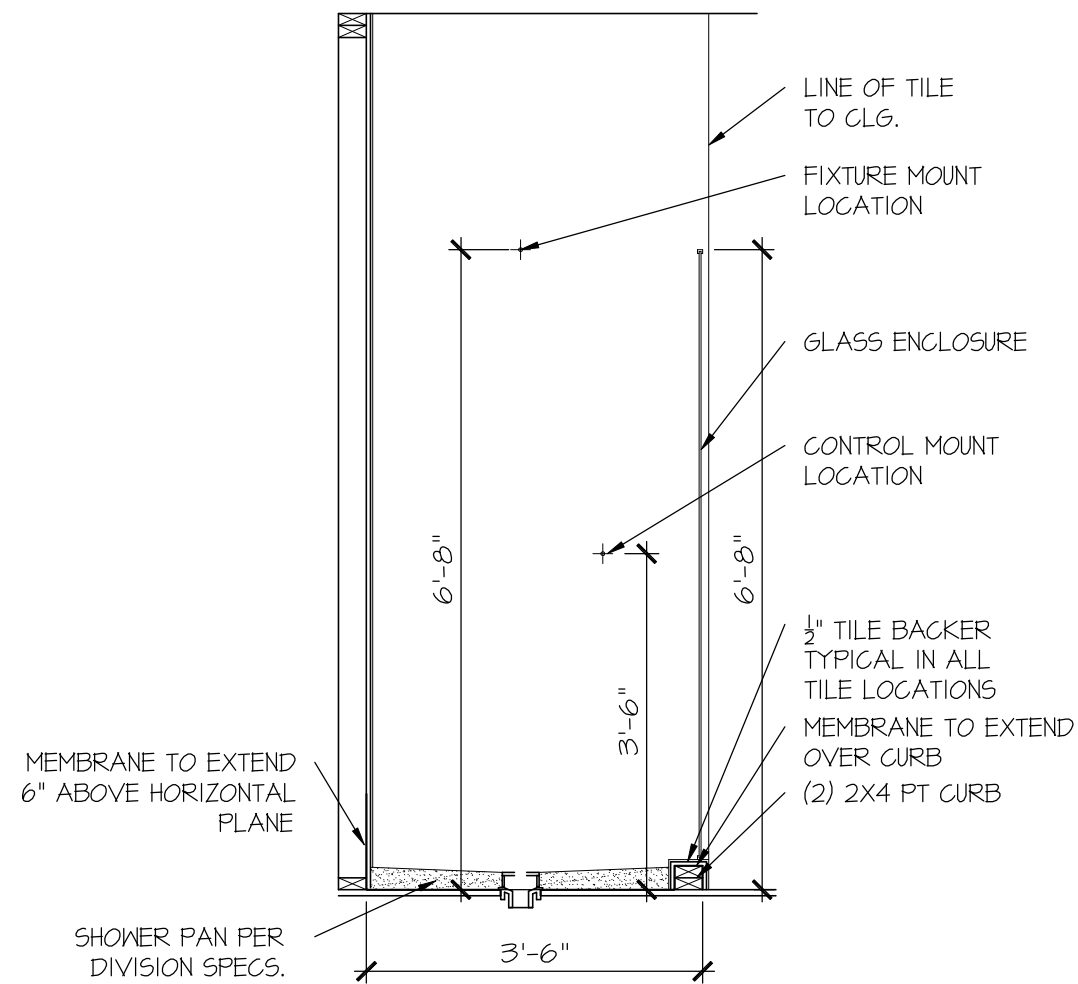
RALE TILE SHOWER DETAIL

SHEET No.

0111

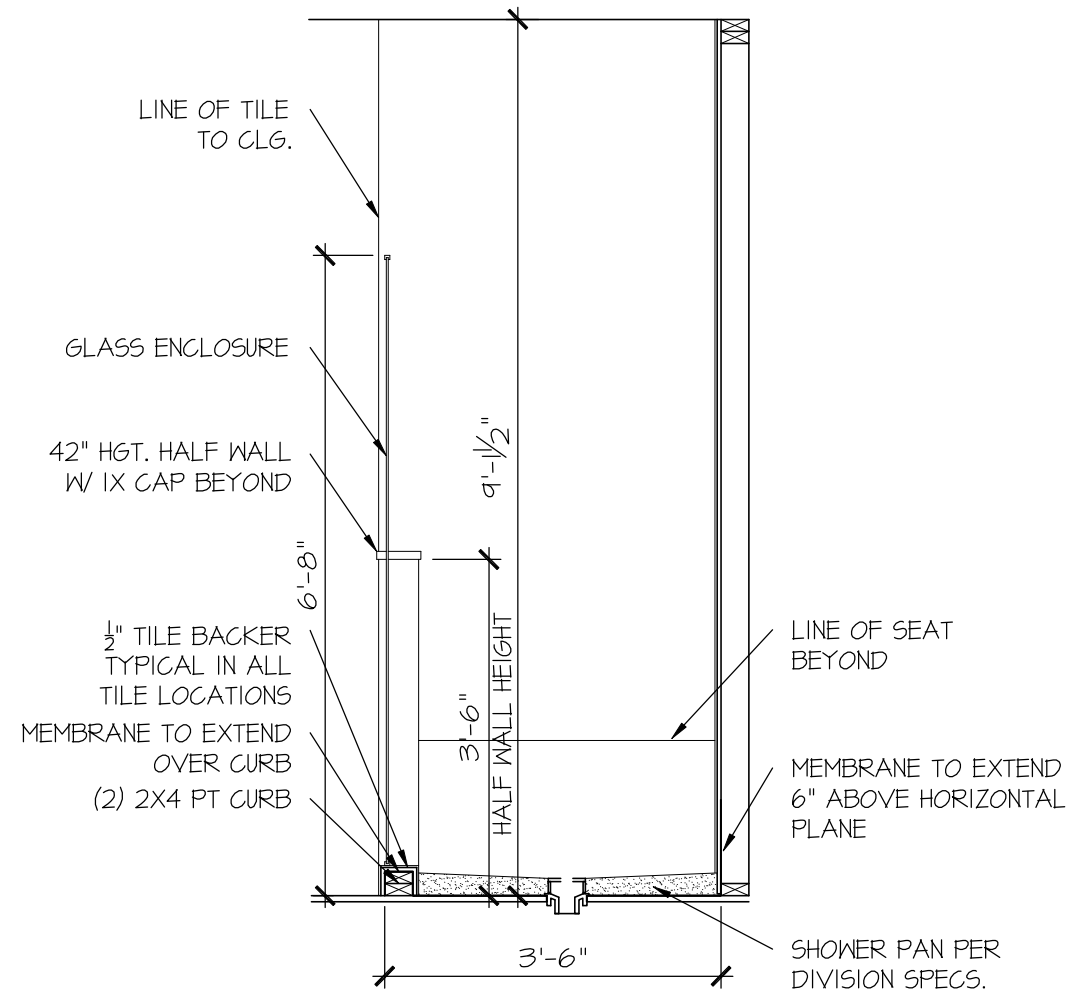


FILE: RALE TILE SHOWER DETAIL 8-2022.dwg DATE: 09-19-2022



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
* 2 3/8"x0.113" IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)		

MEANS & METHODS NOTES

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

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

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

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

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

- A. ROOF TRUSSES:  
1/4" DEAD LOAD
- B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:  
1/8" DEAD LOAD
- C. FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS:  
LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

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.

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)  
(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 5/1" 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=1.55x10<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 PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/2" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.

- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.

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

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

- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.

- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s (HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.

- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BC52-2/4 CAP & ABW44Z BASE, U.N.O.

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)

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 1/4" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES @ 12" o.c. FIELD.
  - 2 3/8" x 0.120" NAILS @ 4" o.c. @ PANEL EDGES @ 8" o.c. FIELD.
  - 2 3/8" x 0.113" NAILS @ 3" o.c. @ PANEL EDGES @ 6" o.c. IN FIELD.
  - 1/8" 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 WTCA & 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. (1-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 1/4" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES @ 12" o.c. FIELD.
  - w/ 2 3/8" x 0.120" NAILS @ 4" o.c. @ PANEL EDGES @ 8" o.c. FIELD.
  - w/ 2 3/8" x 0.113" NAILS @ 3" o.c. @ PANEL EDGES @ 6" o.c. FIELD.

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x1/4"
	3 FT. MAX	L3"x3"x1/4"
6'-0"	12 FT. MAX	L4"x3"x1/4"
	20 FT. MAX	L5"x3"x3/8"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3"x3/8"
10'-0"	16 FT. MAX	L6"x3"x3/8"
	12 FT. MAX	L6"x3"x3/8"
16'-0"	2 FT. MAX	L7"x4"x1/2" **
	3 FT. MAX	L8"x4"x1/2" **

ALL LINTELS:

- SHALL SUPPORT 2 3/8" - 3 1/2" VENEER W/ 40 psf MAXIMUM HEIGHT. < 16' SHALL HAVE 4" MIN. BEARING
- > 16' SHALL HAVE 8" MIN. BEARING
- < 16' SHALL NOT BE FASTENED BACK TO HEADER
- > 16' SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" o.c. w/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LEG VERTICAL.
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 1/4" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2" (MINIMUM) CLEAR DISTANCE FROM BOTTOM OF BEAM.
- \* FOR QUEEN VENEER USE L4x3x1/4".
- \*\* FOR 3 1/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3 1/2" THICK.

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

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

120 MPH WIND IN 2018 NCSCBC: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 NCSCBC: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 NCSCBC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
  - FASTEN SHEATHING W/ 2 3/8"x0.113" NAILS @ 6" o.c. AT EDGES @ 12" o.c. IN THE PANEL FIELD. TYP. U.N.O.

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

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

- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (1/8" CROWN) @ 3" o.c. AT EDGES @ 6" o.c. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/8" x 0.113" NAILS @ 6" o.c. AT ALL PANEL EDGES AND 12" o.c. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/8" CROWN) @ 3" o.c. AT EDGES @ 6" o.c. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 8d NAILS @ 3" o.c. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" o.c. EDGE FASTENING.

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD 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 5/1" STUD\* GRADE OR BETTER.

- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
  - f'c = 4,000 psi: ..... FOUNDATION WALLS
  - 2,500 psi: ..... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3,000 psi: ..... GARAGE & EXTERIOR SLABS ON GRADE
  - f'y = 60,000 psi

- BASEMENT FOUNDATION WALL DESIGN BASED ON:
  - 9' OR 10' HEIGHT (AS NOTED ON PLANS)
  - TALLER WALLS MUST BE ENGINEERED.
  - NOMINAL WIDTH (4 1/2" FOR 10" THICK WALL).

- BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SC, ML-CL, OR CL).

- BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.

- PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT. FND. WALL WITH 2" CLEAR. REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.
  - FOR OPENINGS UP TO 36", PROVIDE MINIMUM 10" CONCRETE DEPTH OVER OPENING OR (3)2x10 W/ (2)2x6 JACK STUDS, 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 & 530.1.

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

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

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

- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

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

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
HD-1	SIMPSON HTT4 HOLD-DOWN * (3/8" 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.



seal: 6/16/25

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M&K project number:

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project mgr:

JTR

drawn by:

GTK

issue date:

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REVISIONS:

date:

initial:

DR3 HOMES

STRUCTURAL NOTES

BLAKE POND COMMUNITY







LOT 124 - ARLINGTON 4

RALEIGH, NC

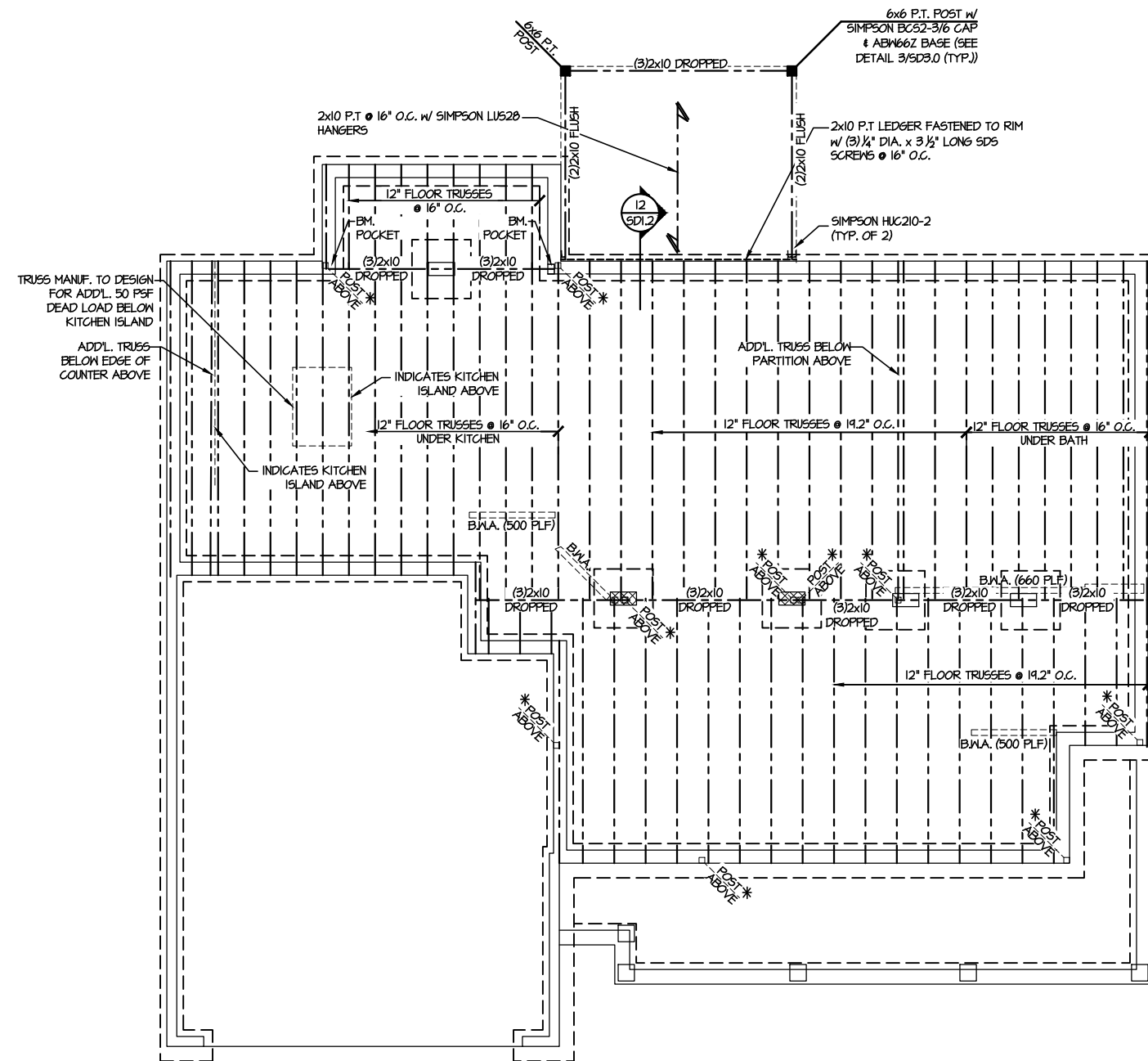
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-  INTERIOR BEARING WALL
  -  BEARING WALL ABOVE
  -  BEAM / HEADER
  -  INDICATES SHEAR WALL. & EXTENT
  -  EXTENT OF OVERFRAMING
- JL METAL HANGER**
- \* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
-  INDICATES HOLD-DOWN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

REFER TO 50.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES

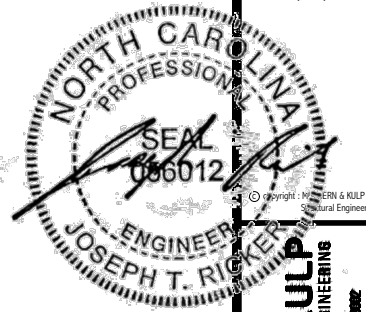


- # LEGEND
- 
-  INTERIOR BEARING WALL
  -  BEARING WALL ABOVE
  -  BEAM / HEADER
  -  INDICATES SHEAR WALL & EXTENT
  -  EXTENT OF OVERFRAMING
11. METAL HANGER
-  INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▶ INDICATES HOLD-DOWN OR STRAP.  
REFER TO SCHEDULE.

REFER TO 50.0 FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES

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





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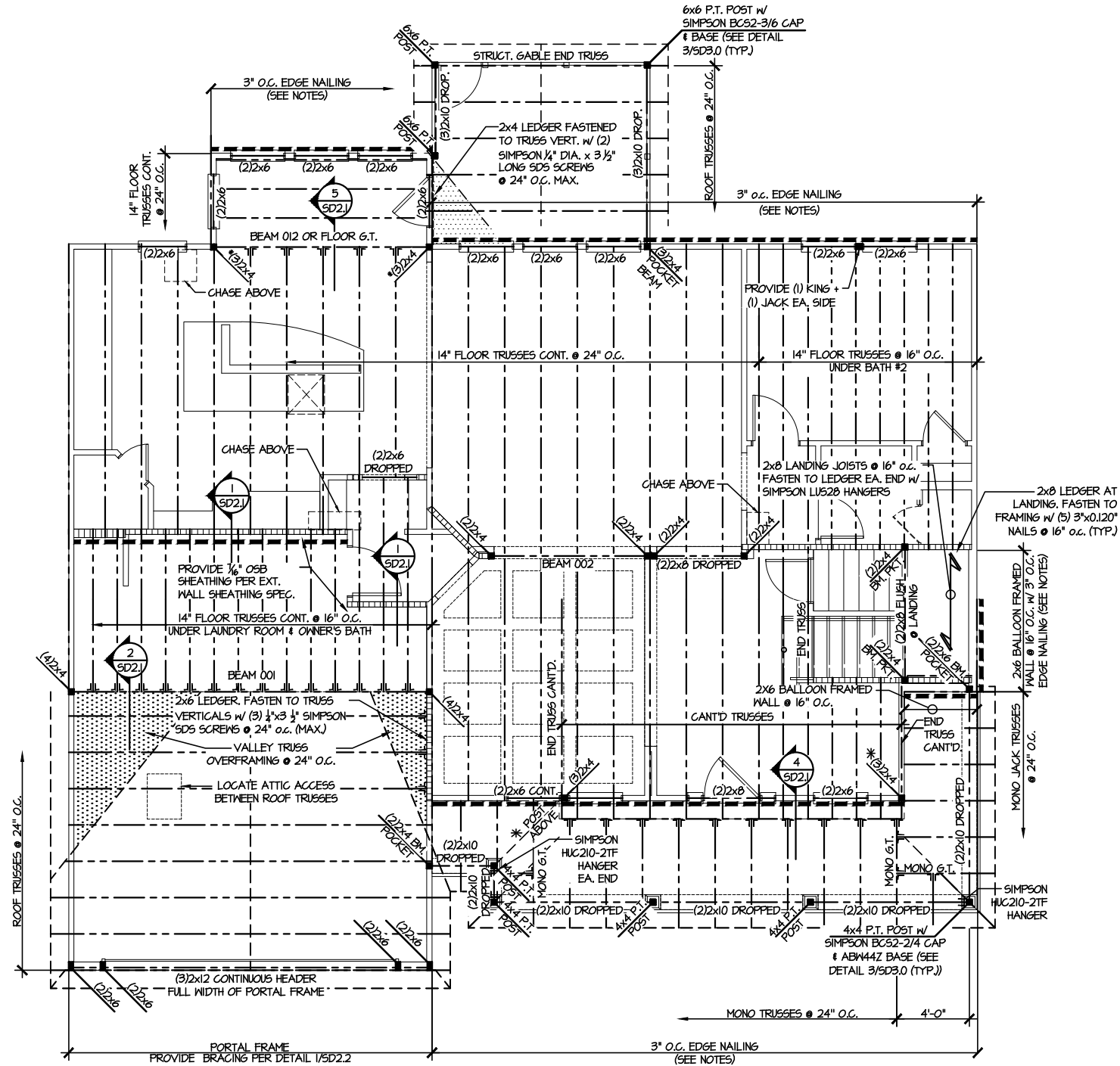


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date: initial:

**DRB**  
**HOMES**

FLOOR FRAMING PLANS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:  
**S3.0**



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

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

**LEGEND**

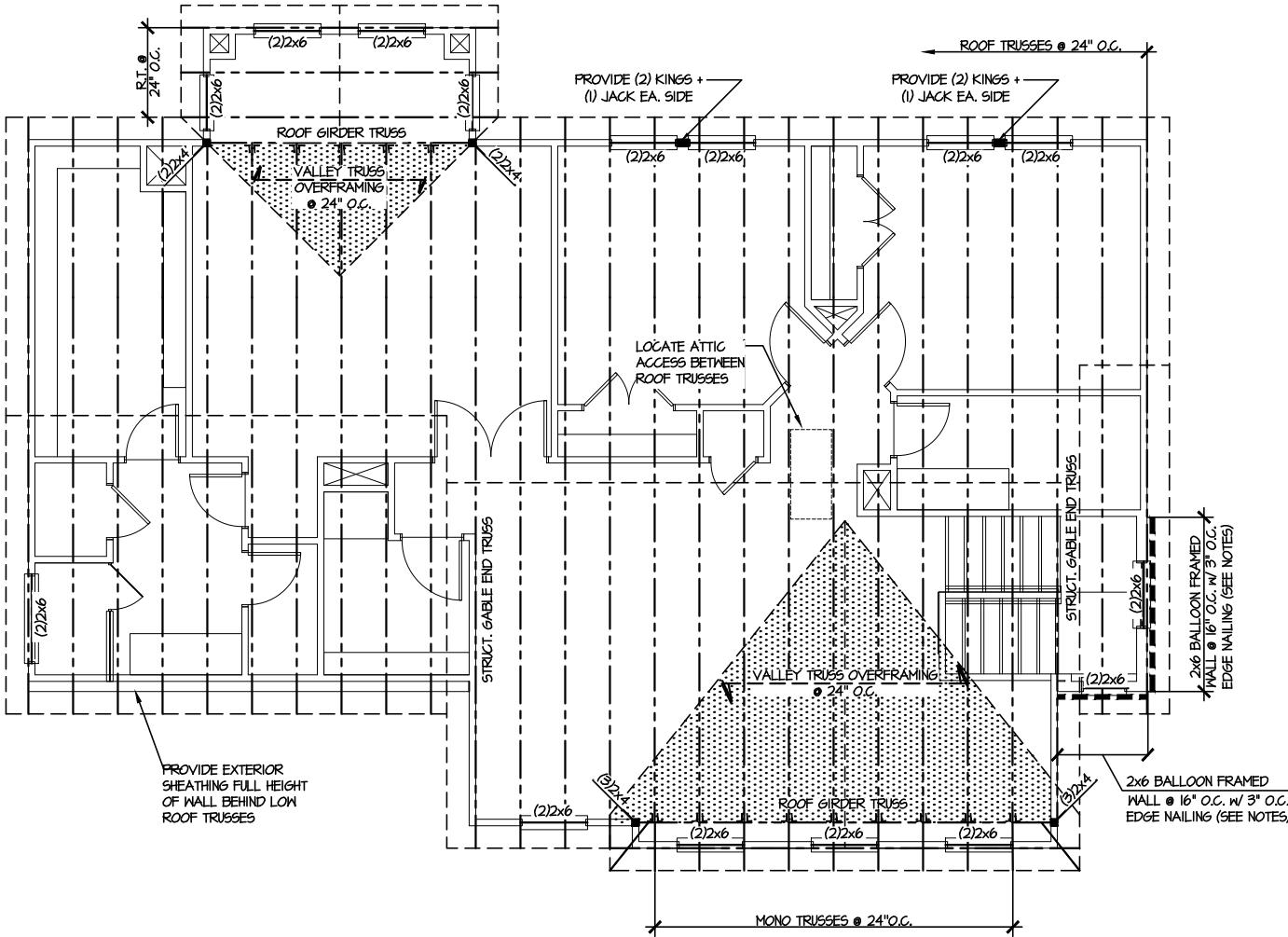
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S.O. FOR  
TYPICAL STRUCTURAL NOTES  
& SCHEDULES

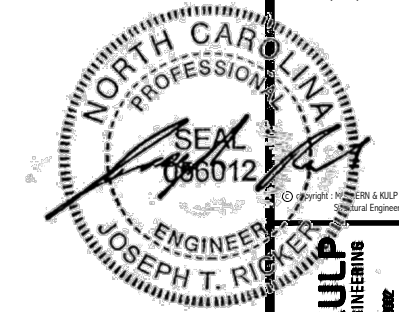
**ENGINEERED BEAM MATERIAL SCHEDULE**

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(3)3/4"x16" - FB	5 1/2"x16" - FB	N/A	(3)2x12 + (2) 1/2"x11/2" STEEL FLITCH PLATES - F	W12x14 - F
002	(2)3/4"x9/4" - D	3 1/2"x9/4" - D	(2)3/4"x9/4" - D	(2)2x10 + (1) 1/2"x9/4" STEEL FLITCH PLATE - D	W8x10 - D
003	(2)3/4"x14" - F	3 1/2"x14" - F	N/A	(2)2x12 + (1) 3/4"x11/2" STEEL FLITCH PLATE - F	W12x14 - F
004	(2)3/4"x16" - H	3 1/2"x16" - H	(3)3/4"x16" - H	(3)2x12 + (2) 1/2"x11/2" STEEL FLITCH PLATES - F	N/A
005	(2)3/4"x9/4" - D	3 1/2"x9/4" - D	(2)3/4"x9/4" - D	(2)2x10 + (1) 1/2"x9/4" STEEL FLITCH PLATE - D	W8x10 - D
006	(2)3/4"x11/8" - D	3 1/2"x11/8" - D	(3)3/4"x11 3/8" - D	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATE - D	W10x12 - D
007	(3)3/4"x14" - D	5 1/2"x14" - D	(4)3/4"x14" - D	(3)2x12 + (2) 3/4"x11/2" STEEL FLITCH PLATE - D	W10x14 - D
008	(2)3/4"x9/4" - D	3 1/2"x9/4" - D	(2)3/4"x9/4" - D	(2)2x10 + (1) 1/2"x9/4" STEEL FLITCH PLATES - D	W8x10 - D
009	(2)3/4"x16" - H	3 1/2"x16" - H	(3)3/4"x16" - H	(3)2x12 + (2) 1/2"x11/2" STEEL FLITCH PLATES - F	N/A
010	(2)3/4"x11/8" - H	3 1/2"x11/8" - H	(3)3/4"x11 3/8" - H	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATE - H	W10x12 - H
011	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/2" STEEL FLITCH PLATE - F	W12x14 - F
012	1 3/4"x14" - F	3 1/2"x14" - F	1 3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATE - F	W12x14 - F
013	(2)3/4"x16" - FB	3 1/2"x16" - FB	(3)3/4"x16" - FB	(3)2x12 + (2) 1/2"x11/2" STEEL FLITCH PLATES - F	W12x14 - F
014	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/2" STEEL FLITCH PLATE - F	W12x14 - F
010	(2)3/4"x11/8" - F	3 1/2"x11/8" - F	(3)3/4"x11 3/8" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATE - F	W10x12 - 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.



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



seal: 6/6/25

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M&K project number:  
126-23061

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

REVISIONS:  
date: initial:

**DR3**  
**HOMES**

**ROOF FRAMING PLANS**  
**BLAKE POND COMMUNITY**  
**LOT 124 - ARLINGTON 4**  
**RALEIGH, NC**

sheet:  
**S4.0**

**LEGEND**

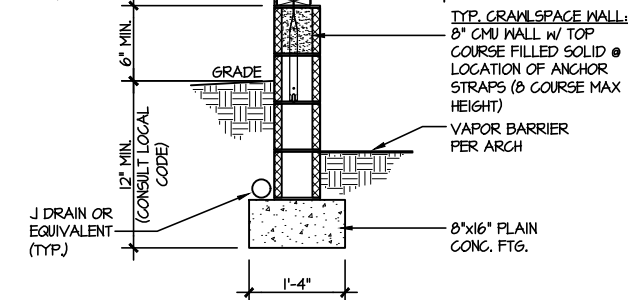
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- 1L METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▶ INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

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

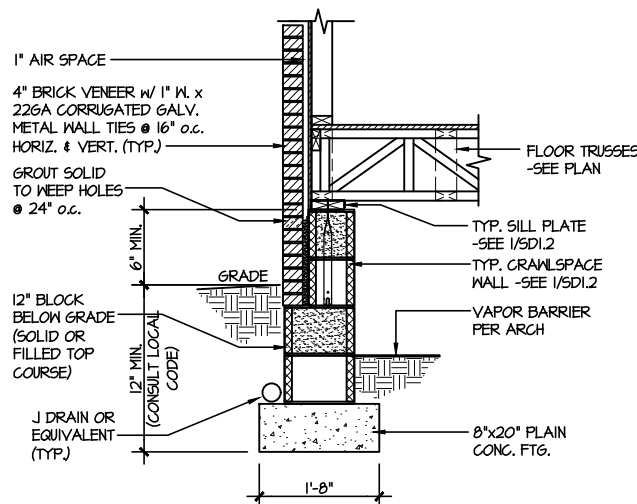
FILE: RLH - Blake Pond - Lot 124 - Structural DATE: 6/6/2025 10:49 AM

ALT. TO MUDSILL ANCHORS:  
1/2" DIA. x 10" LONG A.B. @ 6'-0" o.c.

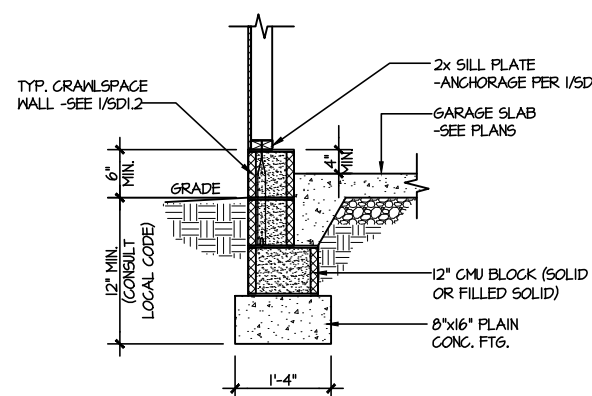
TYP. SILL PLATE:  
2x6 P.T. PLATE w/ SIMPSON  
MAB15 MUDSILL ANCHORS  
@ 3'-10" o.c. PROVIDE (2) PER  
PLATE, MIN. 12" FROM EACH END



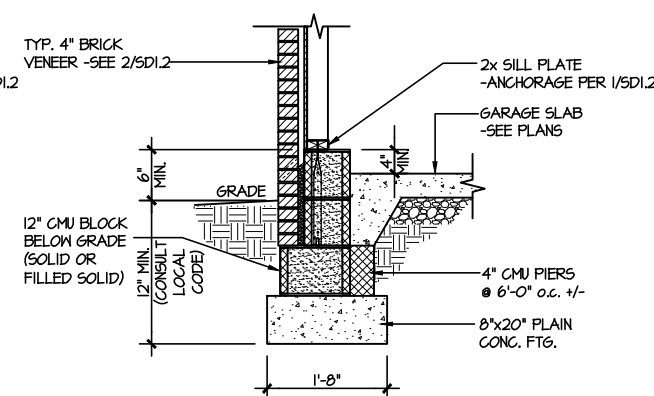
1 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"



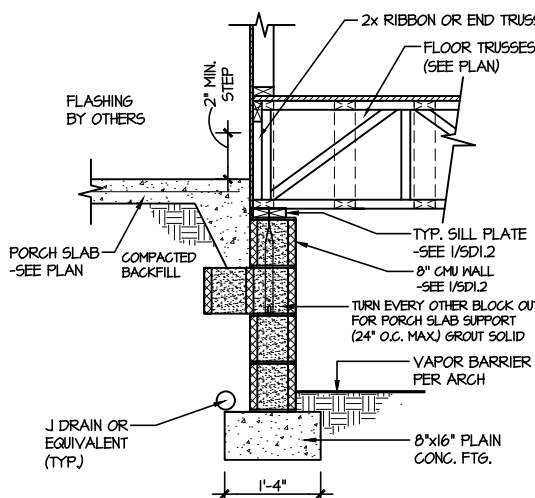
2 TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



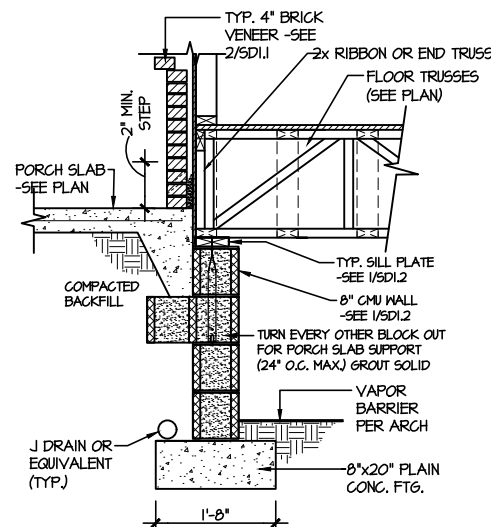
3 TYPICAL GARAGE FOUNDATION  
SCALE: 3/8"=1'-0"



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

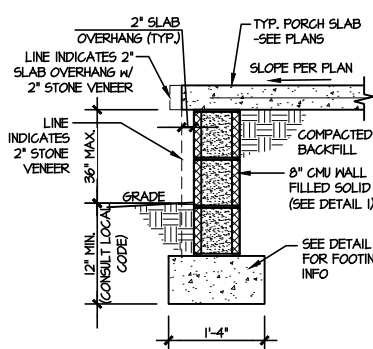


5 TYPICAL CRAWLSPACE FOUNDATION  
@ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0"  
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)

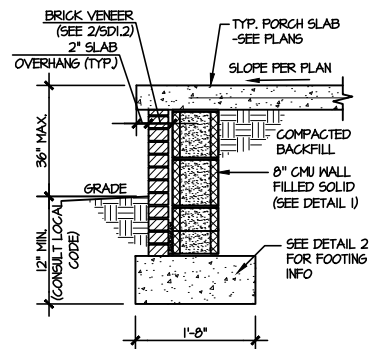


6 TYPICAL CRAWLSPACE FOUNDATION  
@ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER

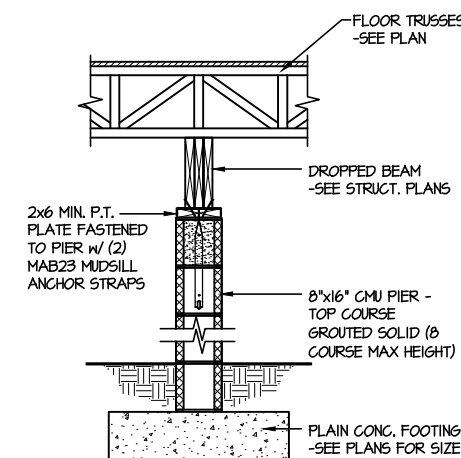
PLAIN CONC. FOOTINGS AS DIMENSIONED & SHOWN  
ARE MINIMUM SIZES REQUIRED & HAVE BEEN  
ENGINEERED. ADDITION OF CONTINUOUS REBAR OR  
LARGER FOOTINGS MAY BE PROVIDED AT THE  
DISCRETION OF THE BUILDER.



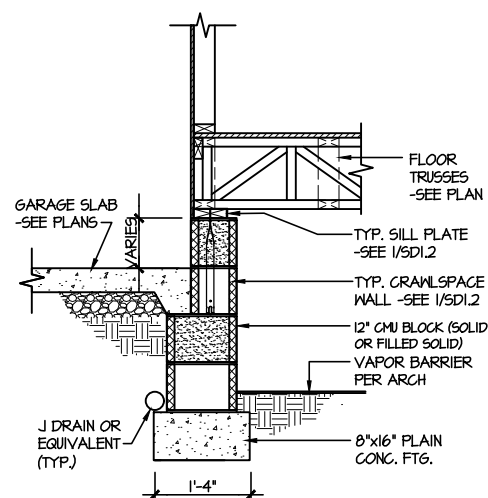
7A TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0"



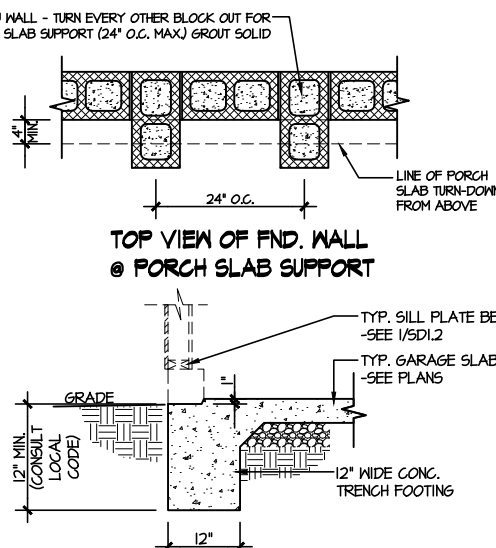
7B TYP. FOOTING @ PORCH SLAB  
SCALE: 3/8"=1'-0" w/ BRICK VENEER



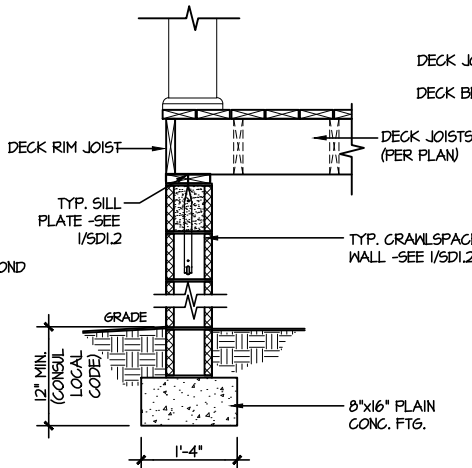
8 TYPICAL CRAWLSPACE FND.  
@ INTERIOR PIER  
SCALE: 3/8"=1'-0"



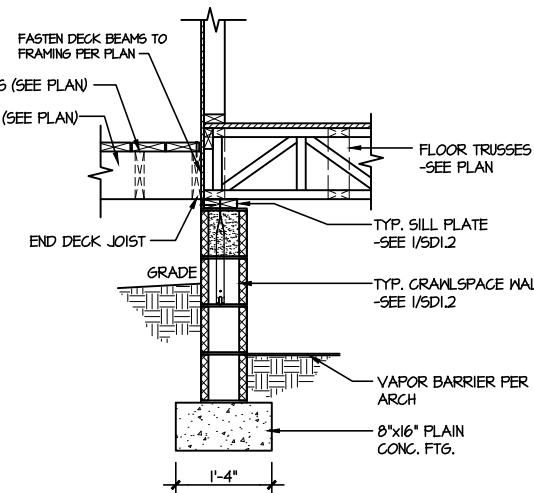
9 TYPICAL CRAWLSPACE FOUNDATION  
@ GARAGE  
SCALE: 3/8"=1'-0"



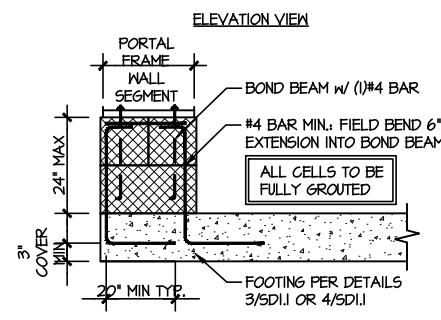
10 TYPICAL SLAB ON GRADE GARAGE  
ENTRY @ PERIMETER FOOTING  
SCALE: 3/8"=1'-0"



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



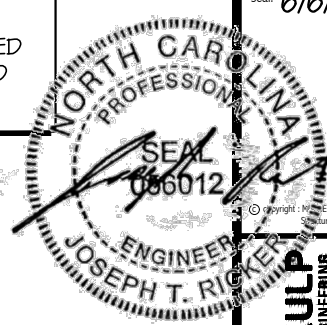
12 TYPICAL CRAWLSPACE FOUNDATION  
@ WOOD PORCH/DECK  
SCALE: 3/8"=1'-0"



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

LETTERED DETAILS ARE TYPICAL FOR  
THIS HOME & SHALL BE IMPLEMENTED IN  
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NUMBERED DETAILS ARE PLAN  
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6/6/25

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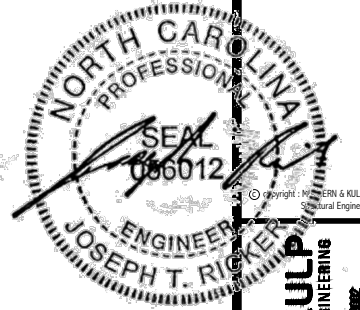
M&K project number:  
126-23061  
project mgr: JTR  
drawn by: GTK  
issue date: 06-06-25  
REVISIONS:  
date: initial:

DRB  
HOMES

FOUNDATION DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:  
SD1.2





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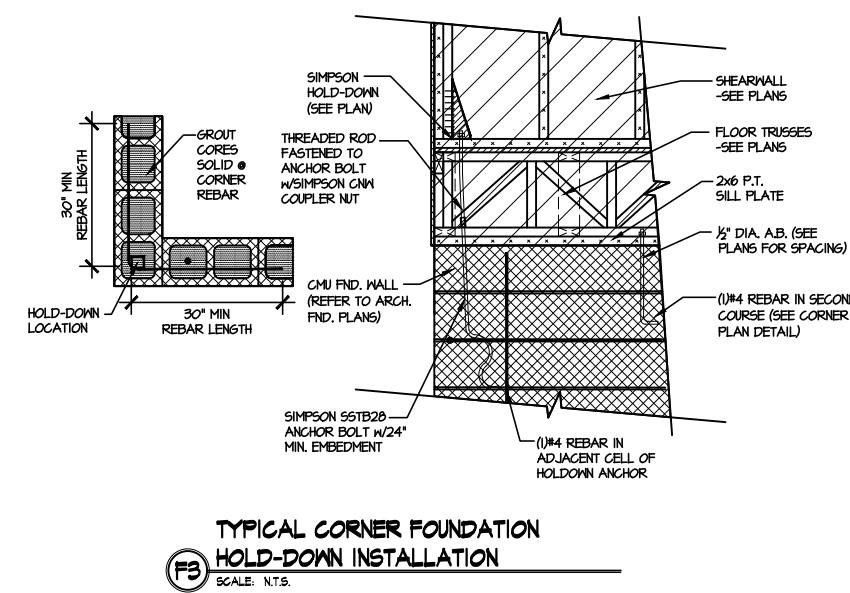
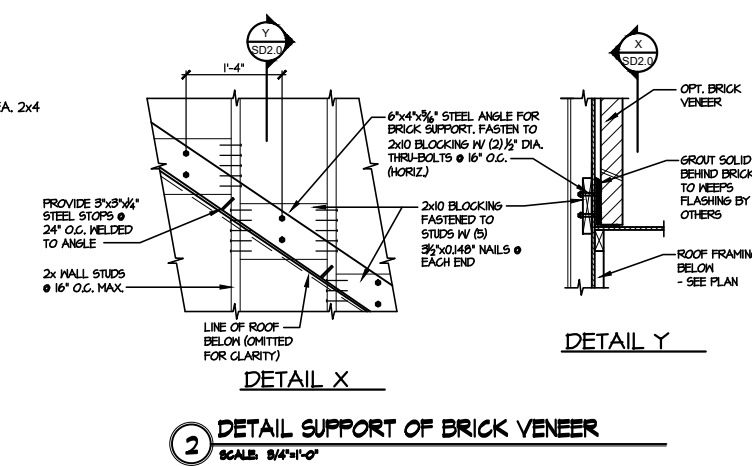
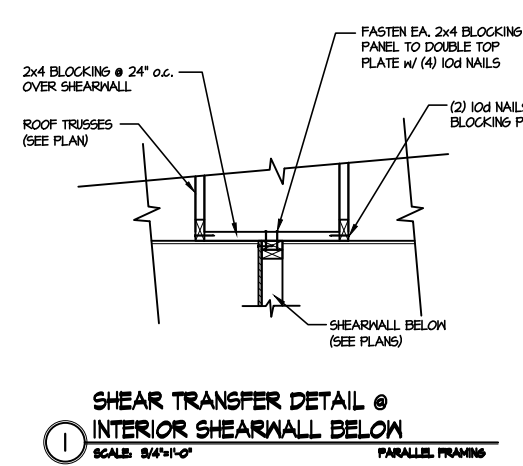
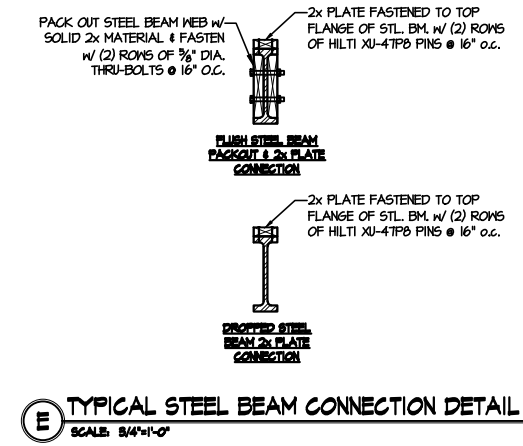
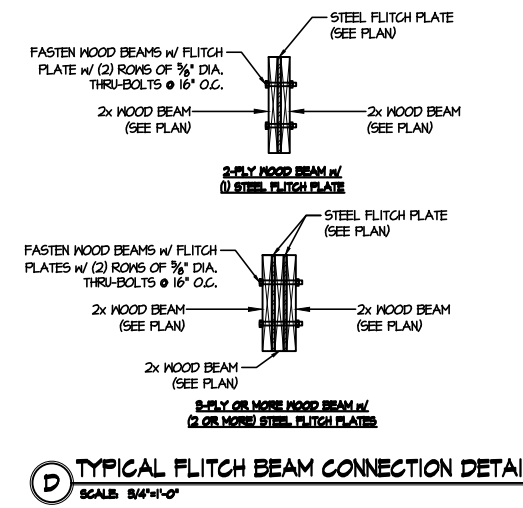
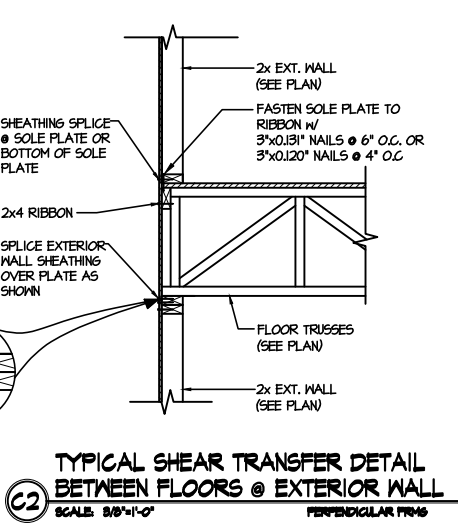
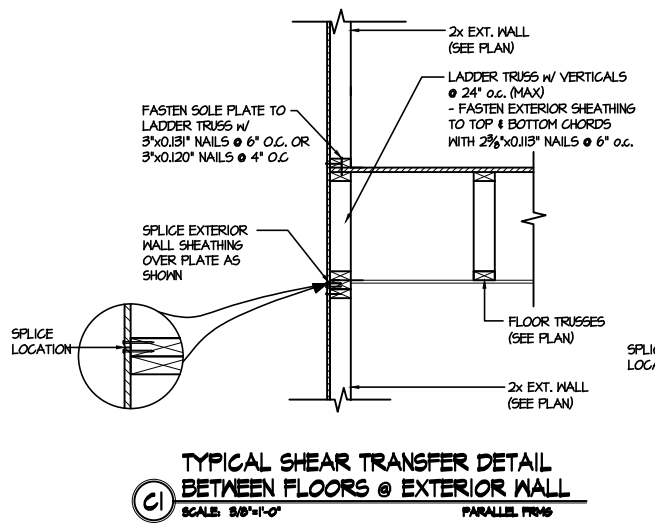
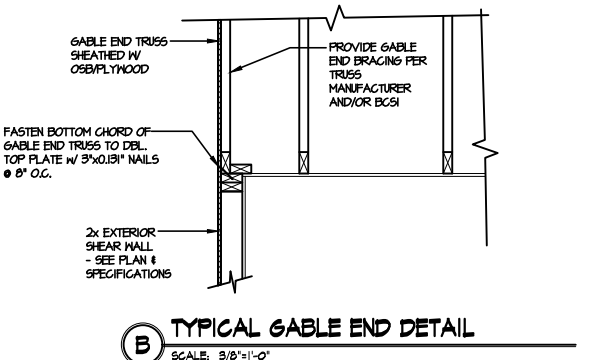
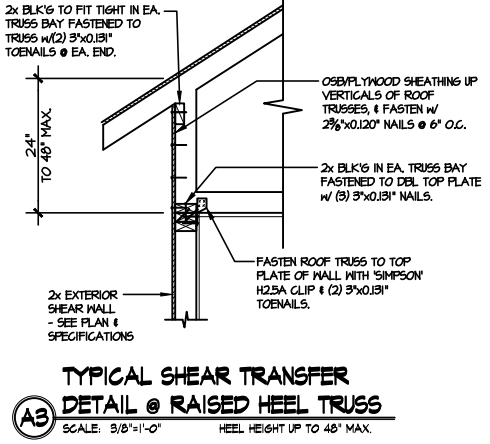
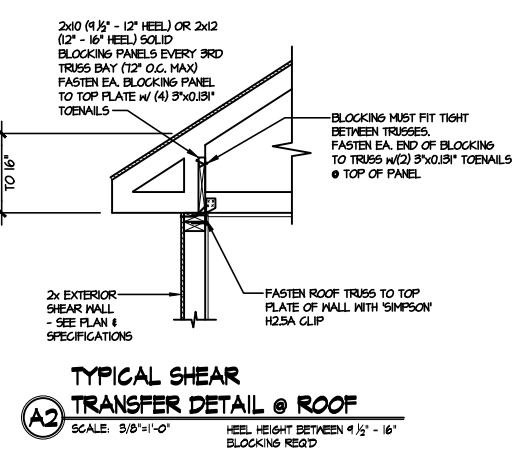
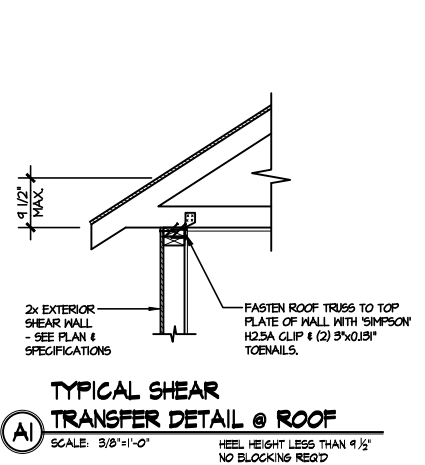
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**126-23061**  
project mgr: JTR  
drawn by: GTK  
issue date: 06-06-25

REVISIONS:  
date: initial:

**DR3 HOMES**

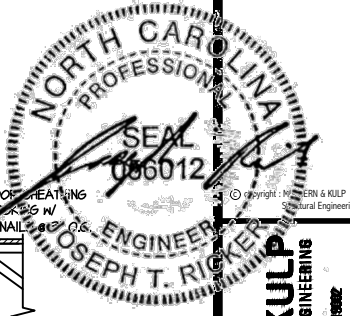
FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:  
**SD2.0**



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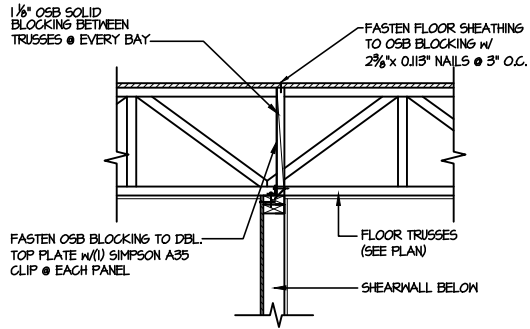
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drawn by: GTK  
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REVISIONS:  
date: initial:

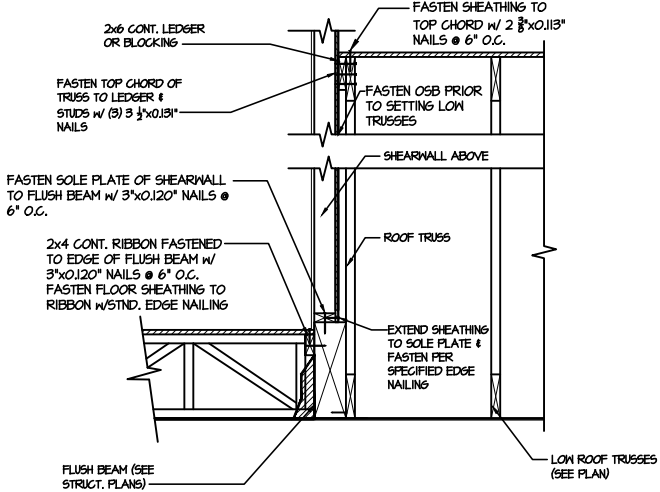
**DR3 HOMES**

FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

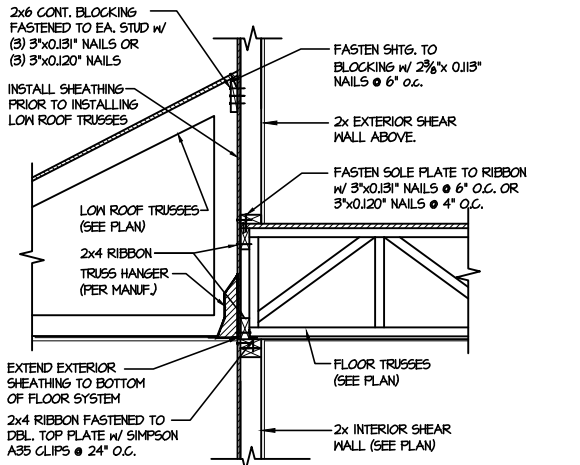
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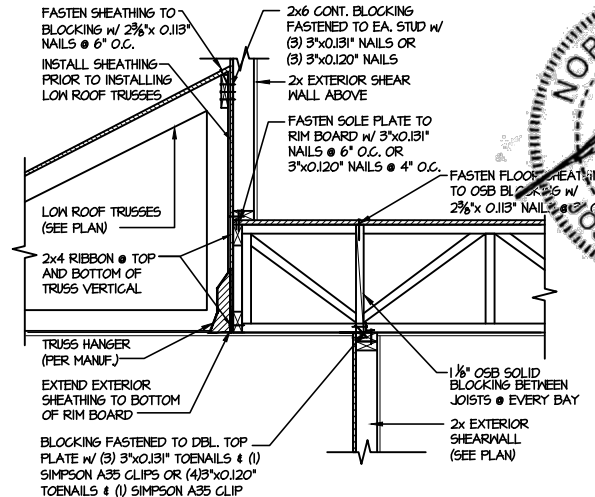
**1** SHEAR TRANSFER DETAIL  
@ INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



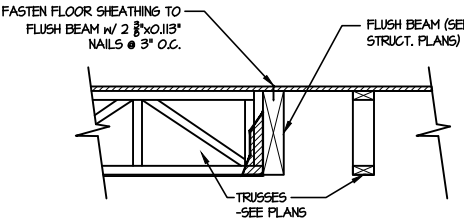
**2** SHEAR TRANSFER DETAIL @  
EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



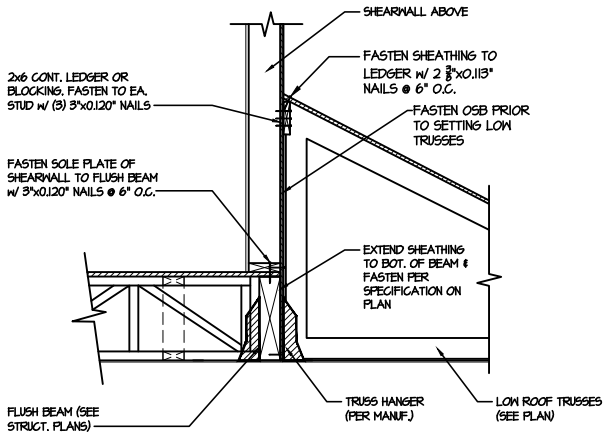
**3** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



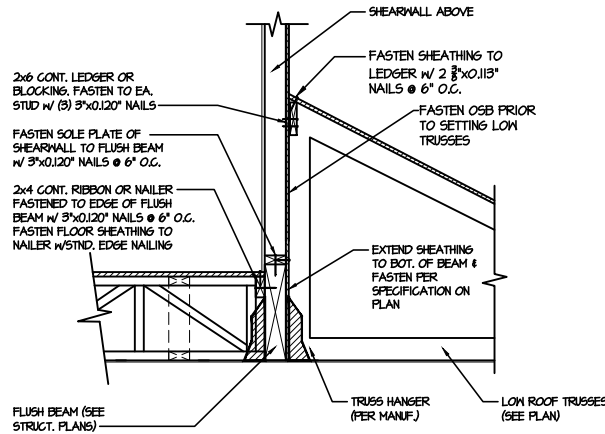
**45** TYPICAL SHEAR TRANSFER DETAIL  
@ EXTERIOR WALL ABOVE  
SCALE: 3/4"=1'-0"



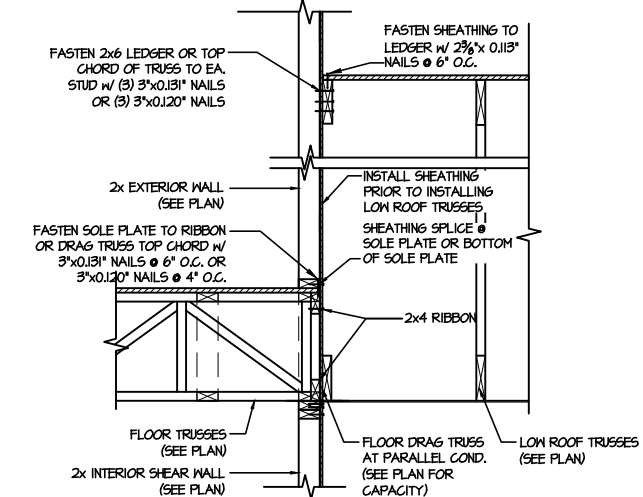
**5** SHEAR TRANSFER DETAIL @  
INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0" PARALLEL FRAMING



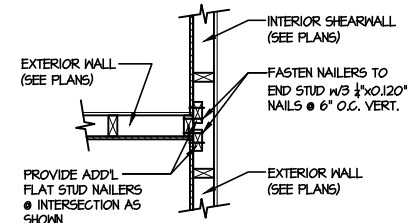
**6** SHEAR TRANSFER DETAIL @  
EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



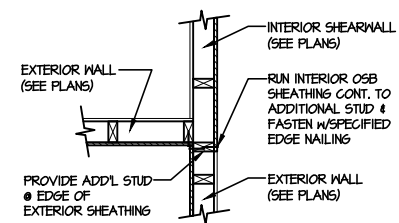
**7** SHEAR TRANSFER DETAIL @  
EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



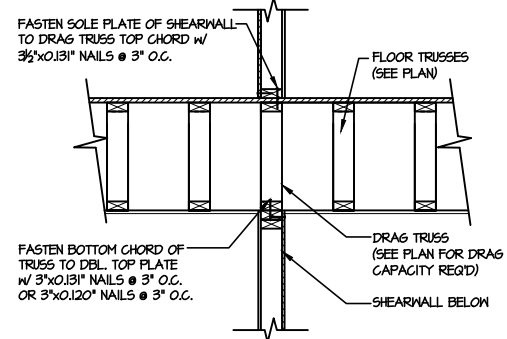
**8** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
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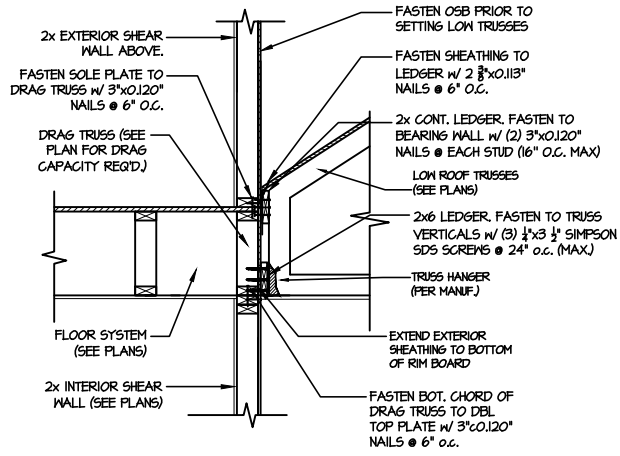
**9** SHEAR TRANSFER DETAIL @  
INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. ON SAME PAGE



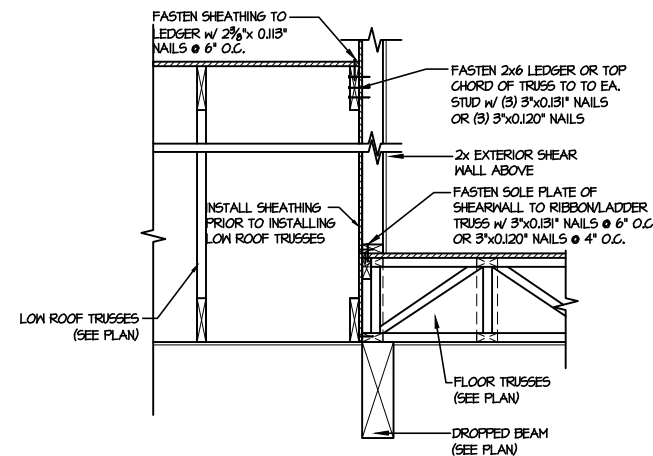
**10** SHEAR TRANSFER DETAIL @  
INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0" SHTS. OPPOSITE PAGES



**11** SHEAR TRANSFER DETAIL @ INT.  
SHEARWALL ABOVE & BELOW  
SCALE: 3/4"=1'-0" PARALLEL FRAMING

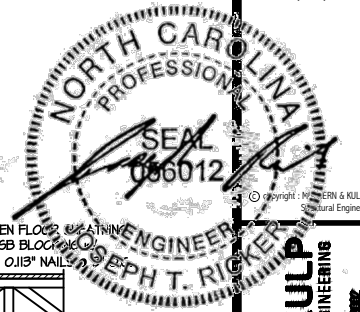


**12** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



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





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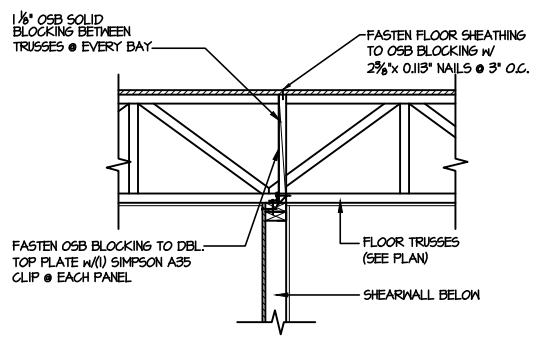
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project mgr: JTR  
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date: initial:

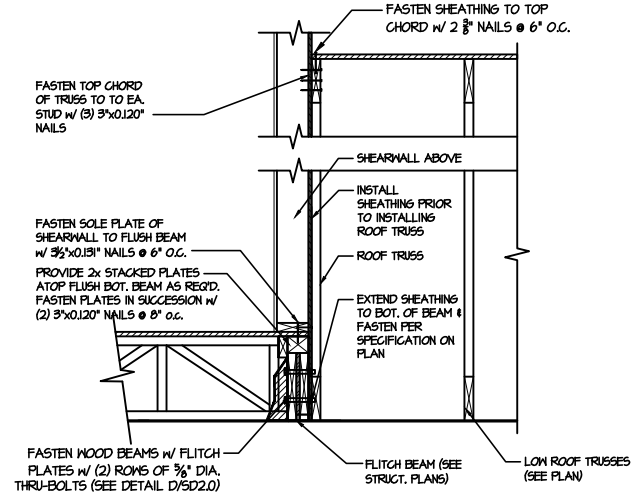
**DR3 HOMES**

FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

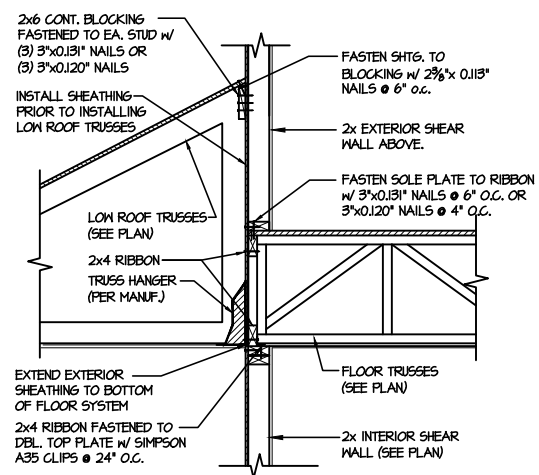
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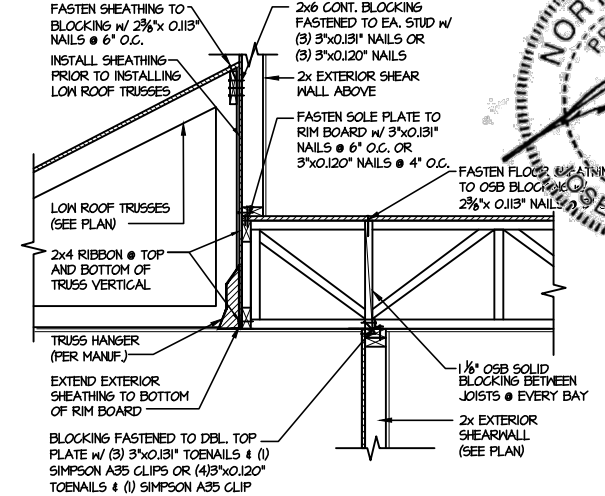
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SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



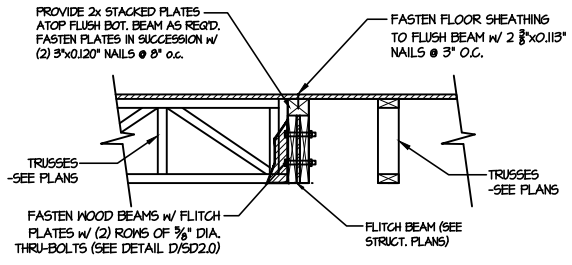
**2** SHEAR TRANSFER DETAIL @  
EXTERIOR SHEARWALL ABOVE  
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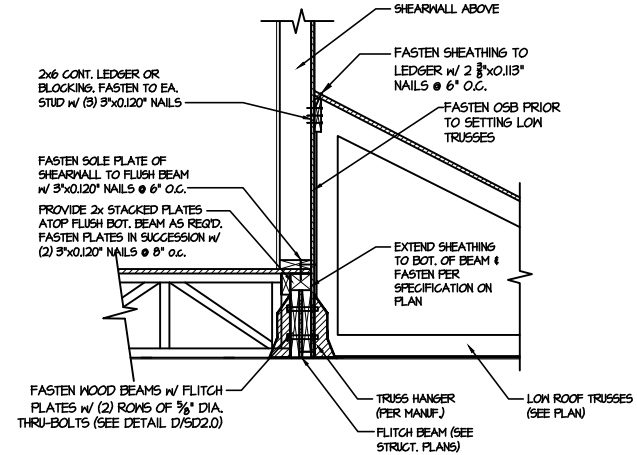
**3** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



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

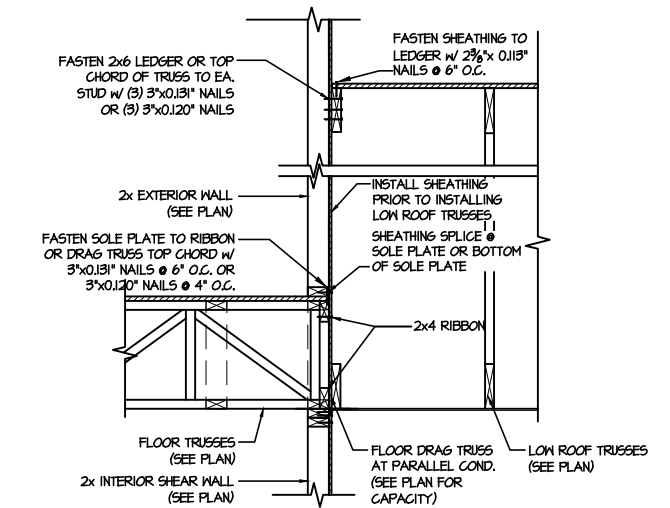


**5** SHEAR TRANSFER DETAIL @  
INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING

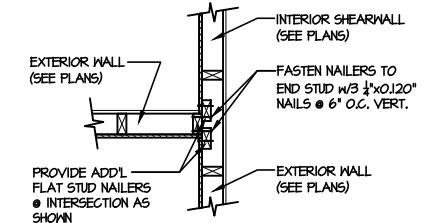


**6** SHEAR TRANSFER DETAIL @  
EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"

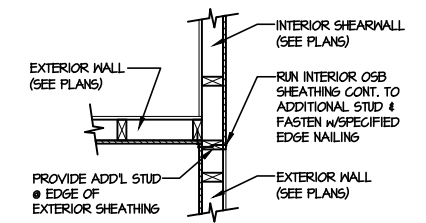
SEE DETAIL 6



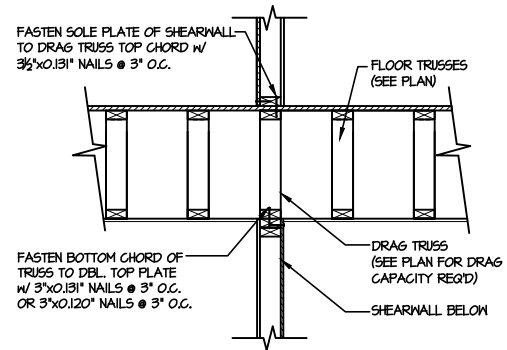
**8** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



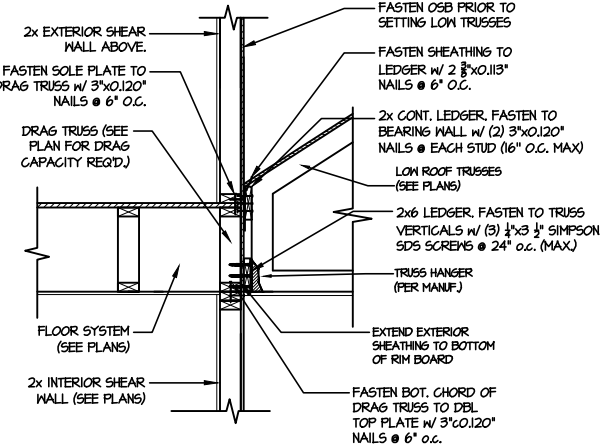
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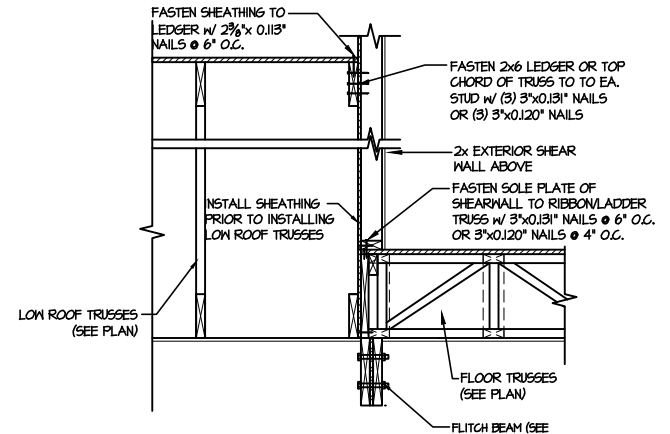
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INTERSECTING INT. SHEARWALL  
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SHWS. OPPOSITE FACES



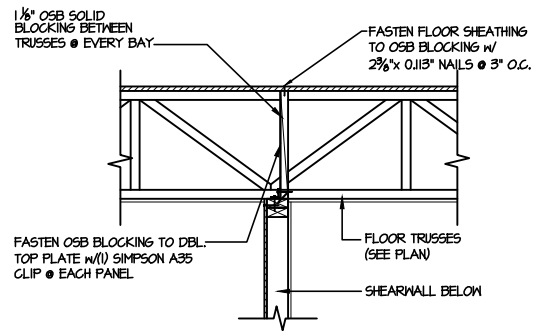
**11** SHEAR TRANSFER DETAIL @ INT.  
SHEARWALL ABOVE & BELOW  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



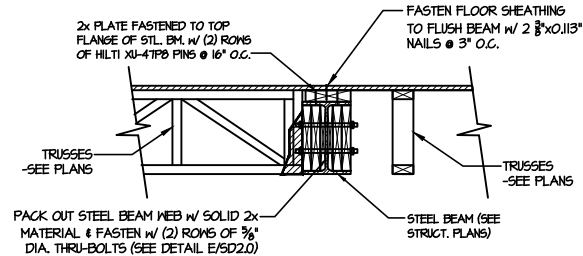
**12** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



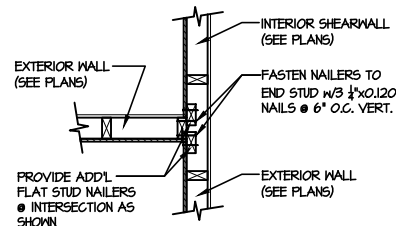
**13** TYPICAL SHEAR TRANSFER DETAIL  
BETWEEN FLOORS @ INTERIOR WALL  
SCALE: 3/4"=1'-0"



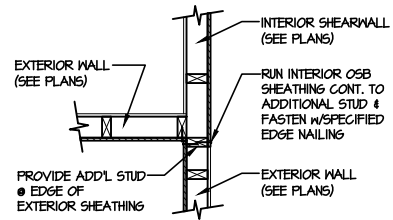
**1** SHEAR TRANSFER DETAIL  
① INTERIOR SHEAR WALL  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING



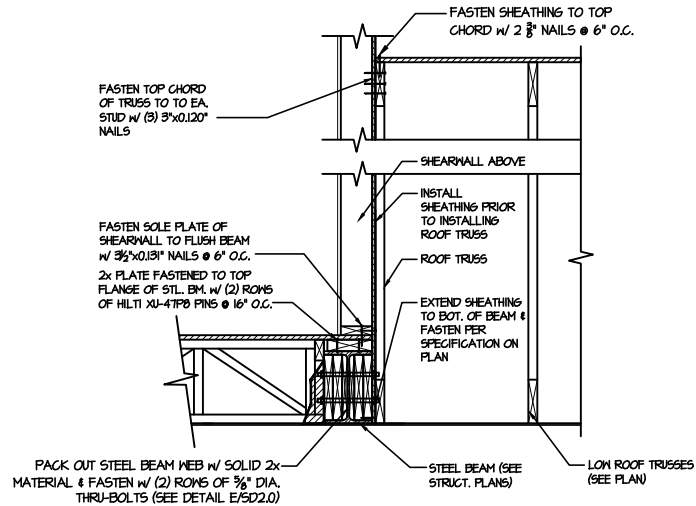
**5** SHEAR TRANSFER DETAIL  
⑤ INTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



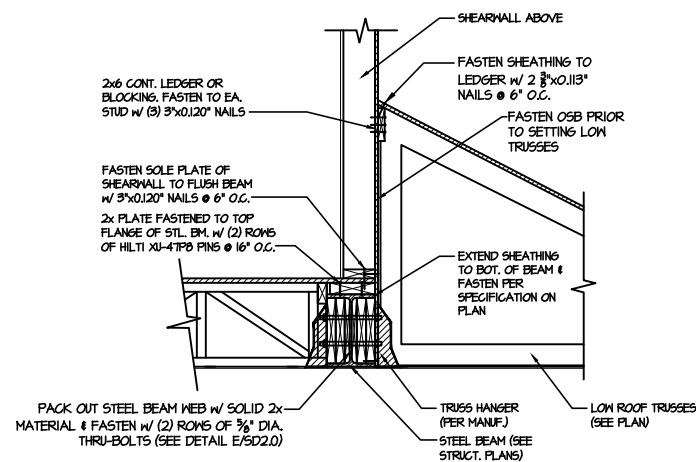
**9** SHEAR TRANSFER DETAIL  
⑨ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHTS. ON SAME PAGE



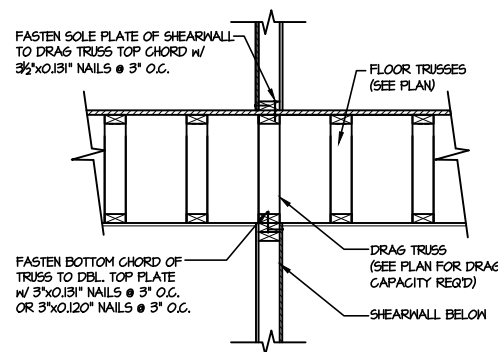
**10** SHEAR TRANSFER DETAIL  
⑩ INTERSECTING INT. SHEARWALL  
SCALE: 3/4"=1'-0"  
SHTS. OPPOSITE PAGES



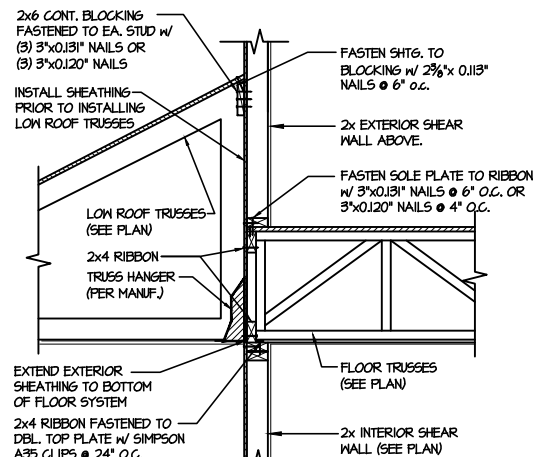
**2** SHEAR TRANSFER DETAIL  
② EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



**6** SHEAR TRANSFER DETAIL  
⑥ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



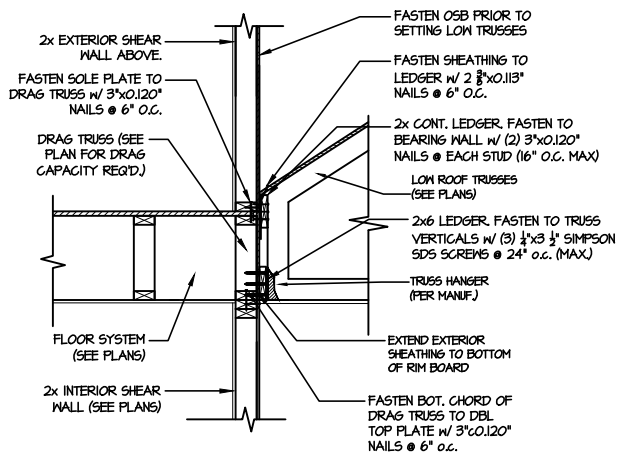
**11** SHEAR TRANSFER DETAIL  
⑪ INT. SHEARWALL ABOVE & BELOW  
SCALE: 3/4"=1'-0"  
PARALLEL FRAMING



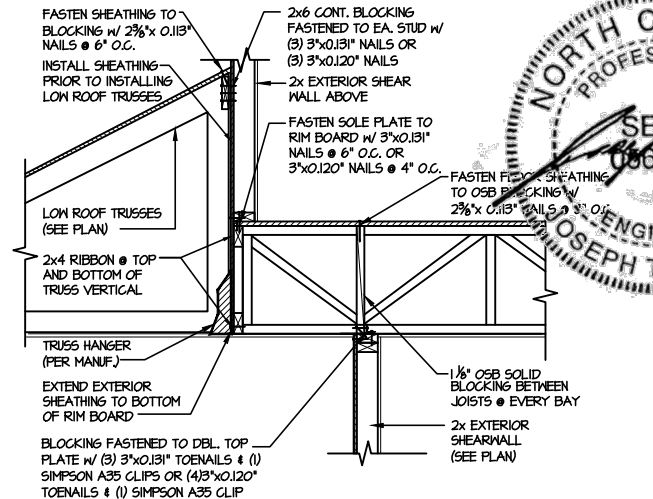
**3** TYPICAL SHEAR TRANSFER DETAIL  
③ BETWEEN FLOORS  
SCALE: 3/4"=1'-0"  
PERPENDICULAR FRAMING

SEE DETAIL 6

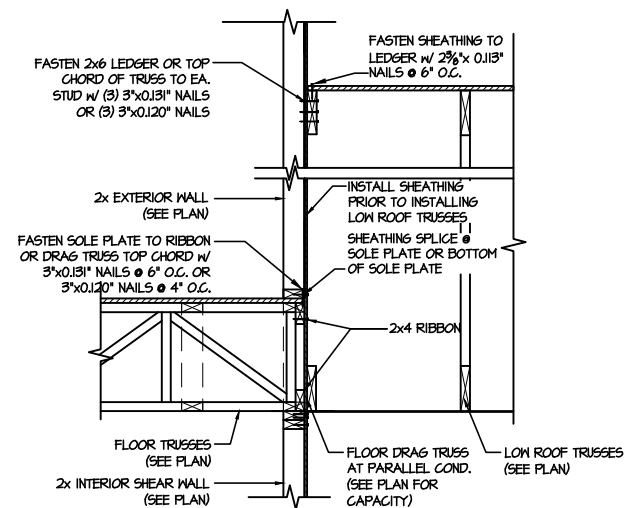
**7** SHEAR TRANSFER DETAIL  
⑦ EXTERIOR SHEARWALL ABOVE  
SCALE: 3/4"=1'-0"



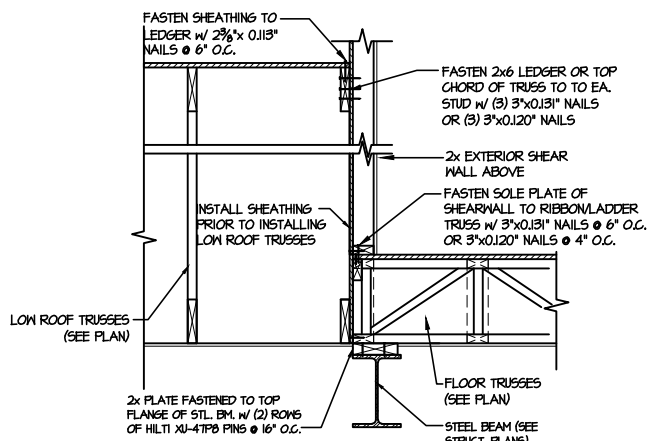
**12** TYPICAL SHEAR TRANSFER DETAIL  
⑫ BETWEEN FLOORS  
SCALE: 3/4"=1'-0"



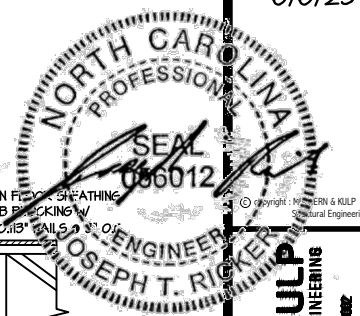
**45** TYPICAL SHEAR TRANSFER DETAIL  
④5 EXTERIOR WALL ABOVE  
SCALE: 3/4"=1'-0"



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



**13** TYPICAL SHEAR TRANSFER DETAIL  
⑬ BETWEEN FLOORS  
SCALE: 3/4"=1'-0"



**MULHERN+KULP**  
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NC LICENSE #C-3825

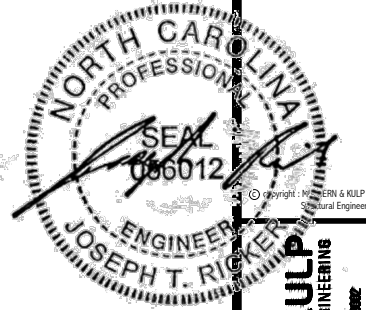
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126-23061  
project mgr: JTR  
drawn by: GTK  
issue date: 06-06-25

REVISIONS:  
date: initial:

**DR3 HOMES**

FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:  
**SD2.1C**



**MULHERN+KULP**  
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M&amp;K project number:

126-23061

project mgr:

JTR

drawn by:

GTK

issue date:

06-06-25

REVISIONS:

date:

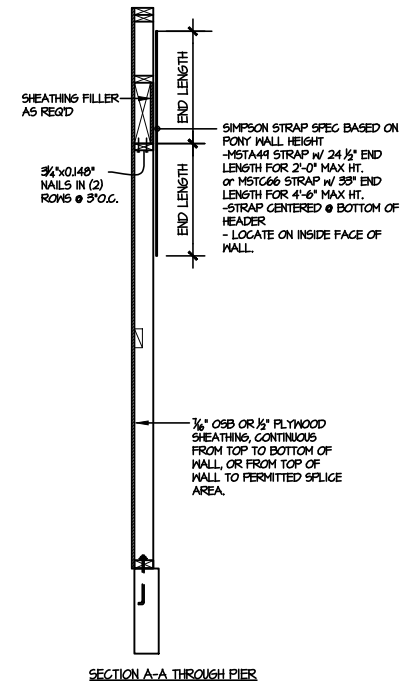
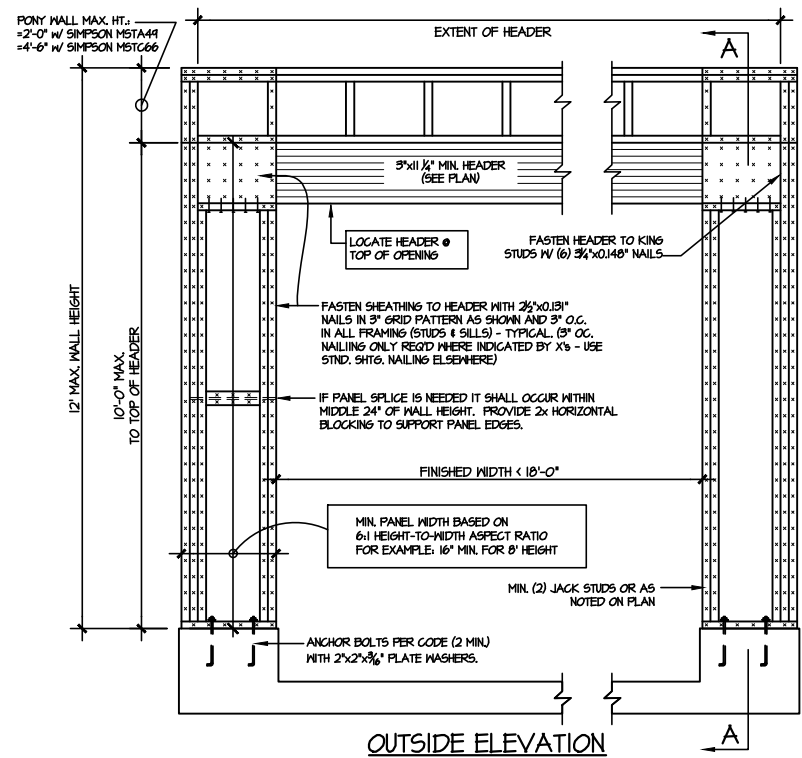
initial:

**DRB**  
**HOMES**

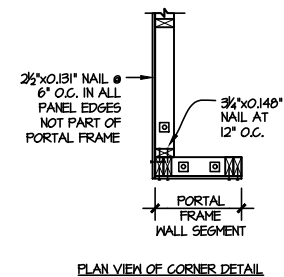
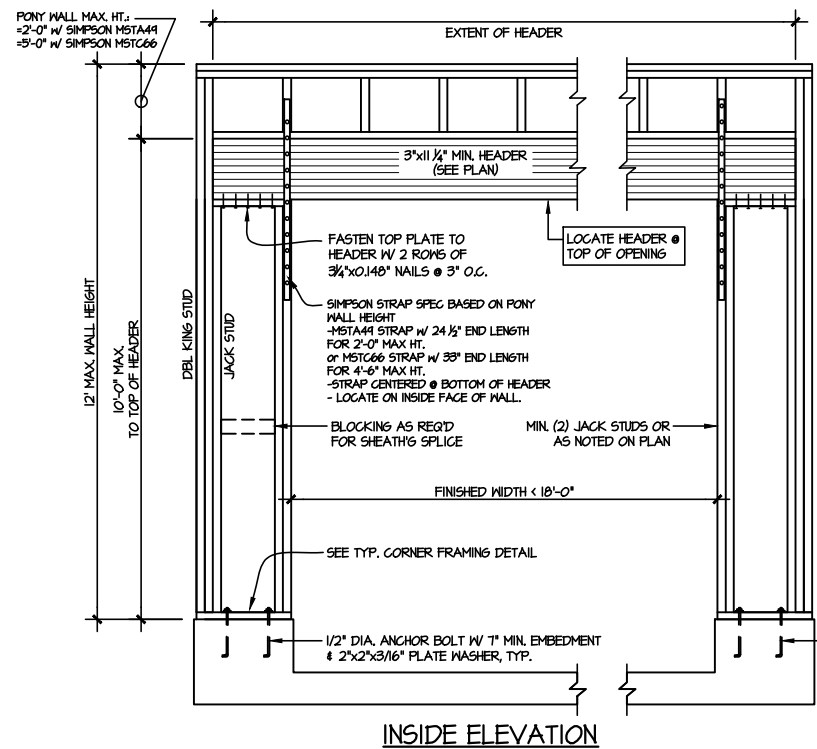
FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:

SD2.2



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

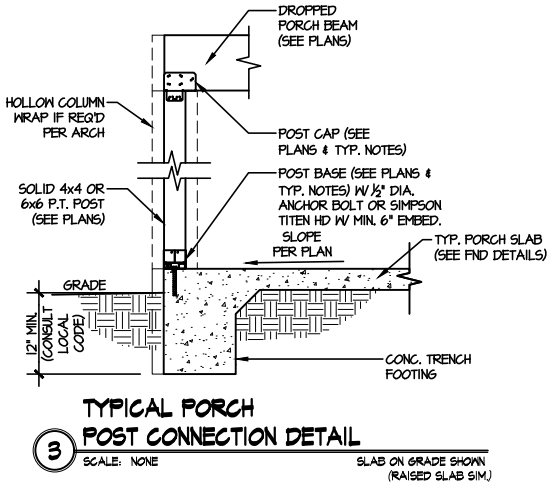


ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:  
1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD  
2) 1/2" DIA. THREADED ROD EPOXY SET w/ 4 1/2" EMBED. (MIN UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL))

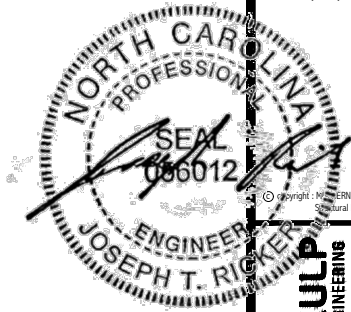
TWO SIDED GARAGE PORTAL FRAME BRACING  
ELEVATION ON CONCRETE STEM

SCALE: N.T.S.





seal: 6/6/25



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M&K project number:  
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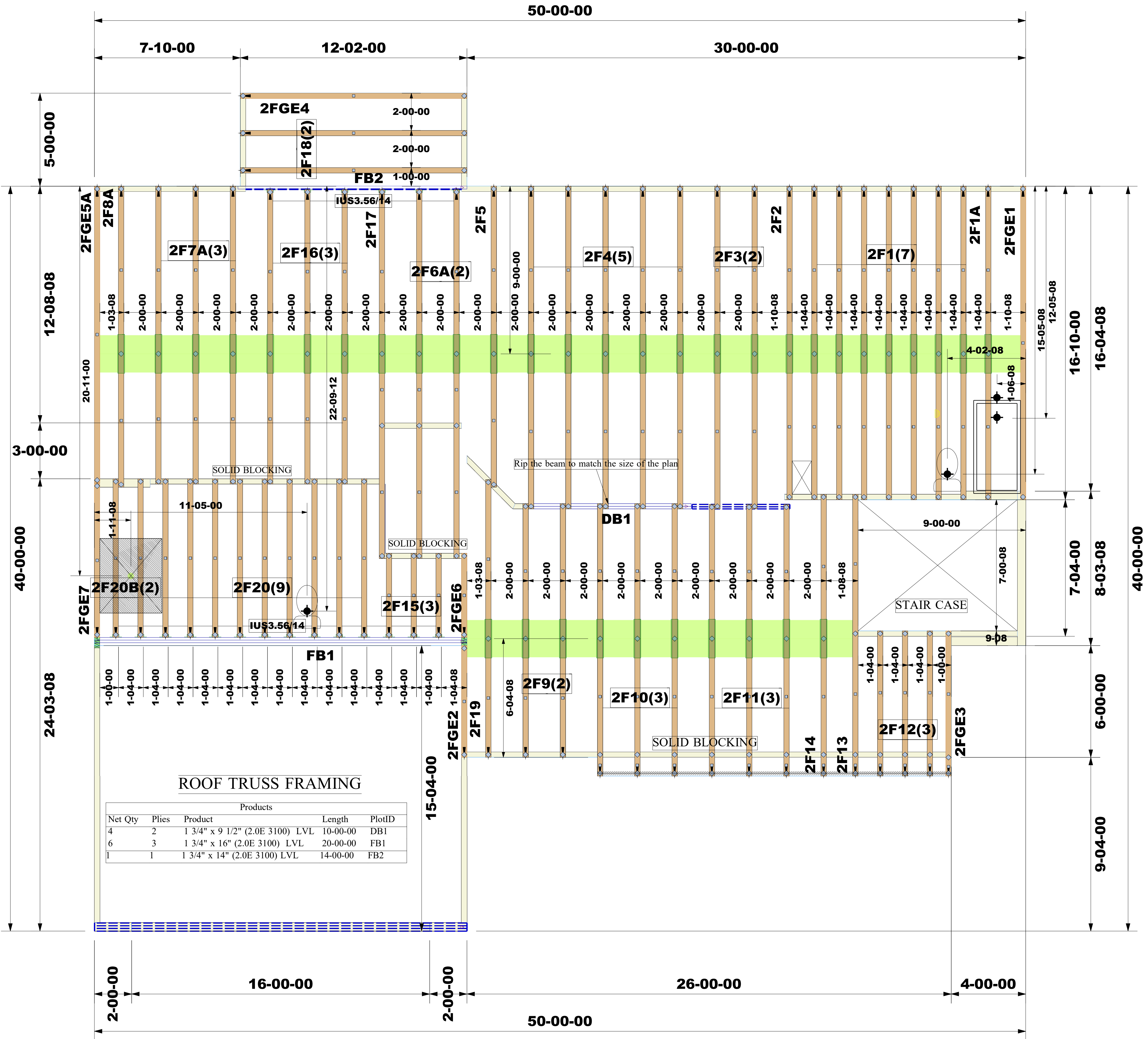
project mgr: JTR  
drawn by: GTK  
issue date: 06-06-25

REVISIONS:  
date: initial:

**DRB**  
**HOMES**

FRAMING DETAILS  
BLAKE POND COMMUNITY  
LOT 124 - ARLINGTON 4  
RALEIGH, NC

sheet:  
**SD3.0**



SECOND FLOOR FRAMING

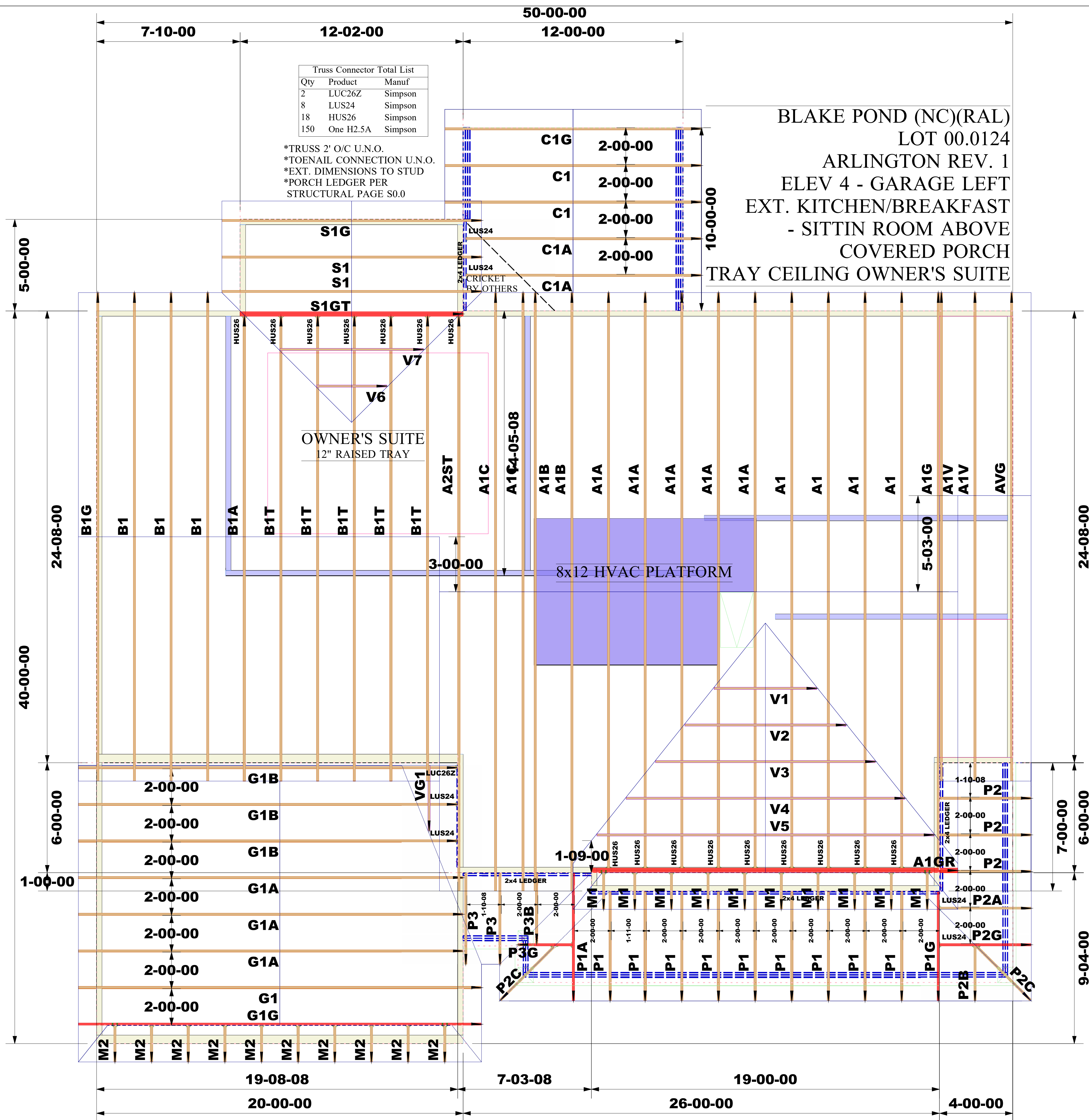
ELEV.4

Truss Connector Total List				
Qty	Product	Manuf		
20	IUS3.56/14	Simpson		

NOTES:  
\*EXTERIOR DIMENSIONS ARE TO STUD.  
\*TRUSSES @ 24" O.C. U.N.O.  
\*INSTALLATION OF STRONGBACKS RECOMMENDED ( NOT REQUIRED).  
\*INSTALL 2X4 NAILERS ON ALL TOP RIBBON NOTCH CONDITIONS.  
\*SEE PROFILE DWGS. FOR TRUSS ORIENTATION BEFORE INSTALLATION.

BLAKE POND LOT 00.0124 PHASE  
SF (NC)(RAL)  
ARLINGTON REV.1  
EL.4  
OPT.EXTENED KITCHEN/BREAKFAST  
GARAGE LEFT





ROOF TRUSS LAYOUT  
SCALE: NTS  
FOR CONSTRUCTION



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

Customer: DRB Raleigh	Job Name: Blake Pond Lot 00.0124 Roof	Lot #: 00.0124	Model Name: ARLINGTON
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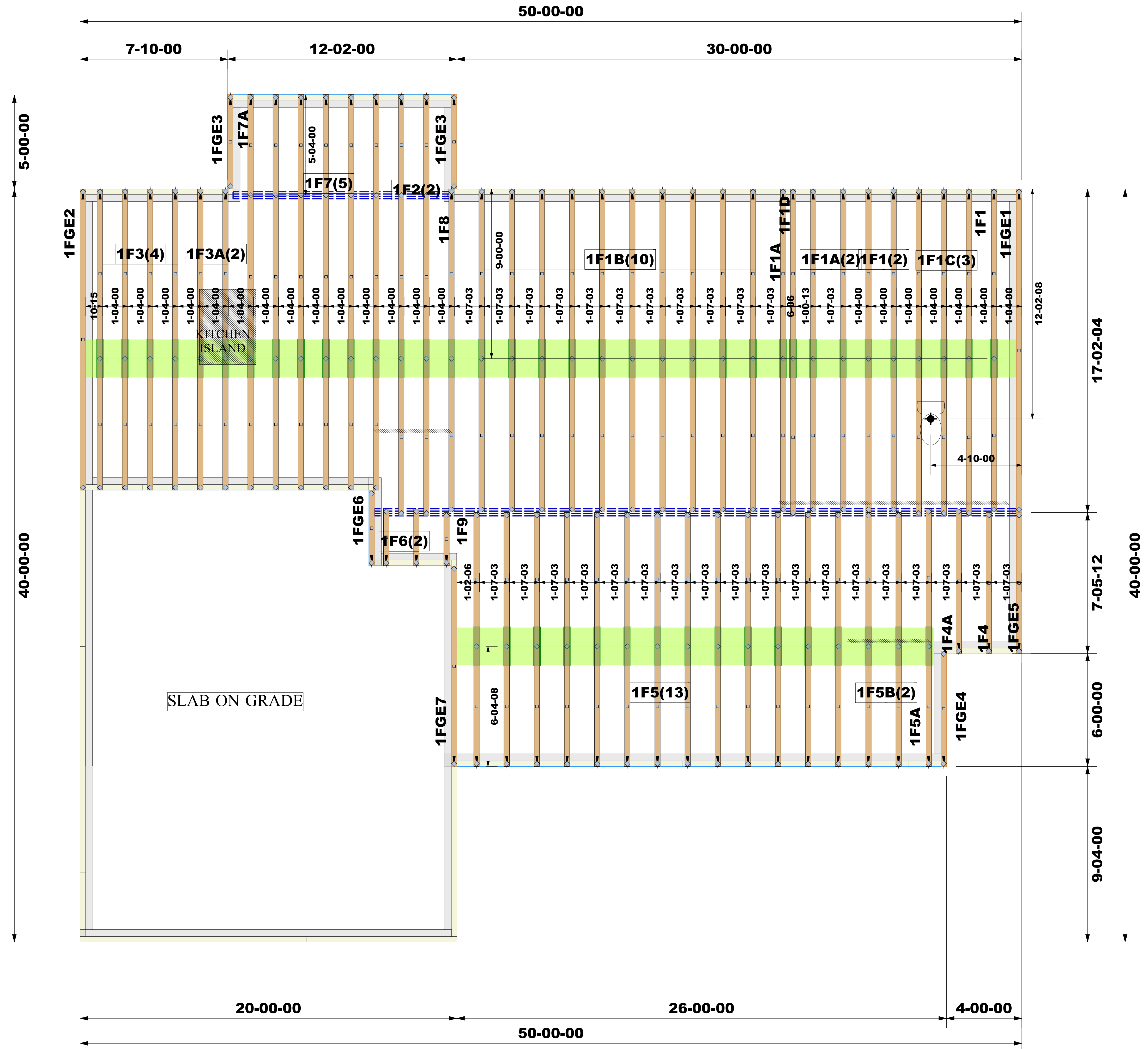
**NOTE:**  
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE 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.

**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 DOMINATING DURING ERECTION; AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCS 1) FOR FURTHER INFORMATION.  
TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB PORTION 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.

Job #:  
2505-7720

Designer:  
Beckett Tayler  
Sales Rep:

Robbie Zarobinski



## CRAWL SPACE FRAMING PLAN

---

ELEV.4

**NOTES:**  
 \*EXTERIOR DIMENSIONS ARE TO STUD.  
 \*TRUSSES @ 19.2"O.C. U.N.O.  
 \*INSTALLATION OF STRONGBACKS RECOMMENDED ( NOT REQUIRED).  
 \*INSTALL 2X4 NAILERS ON ALL TOP RIBBON NOTCH CONDITIONS.  
 \*SEE PROFILE DWGS. FOR TRUSS ORIENTATION BEFORE INSTALLATION.

BLAKE POND LOT 00.0124 PHASE  
SF (NC)(RAL)  
ARLINGTON REV.1  
EL.4  
OPT.EXTENED KITCHEN/BREAKFAST  
GARAGE LEFT

Job #:	<b>2505-7719</b>	<p><b>WARNING:</b></p> <p>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 COLLAPSE OR DOMINATING DURING ERECTION; AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCS1-1) 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><b>NOTE:</b></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 THESE CASES MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.</p> <p>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.</p>	<p>Customer: DRB Raleigh</p> <p>Job Name: Blake Pond Lot 00.0124 OWF</p> <p>Lot #: Lot 00.0124</p> <p>Model Name: ARLINGTON</p>	 <p>Third-Party Quality Assurance License TPI Plant W974</p> <p>Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591</p> 
Designer:	Sayan Roy				
Sales Rep:	Robbie Zarobinski				