

ELMHURST-RALE

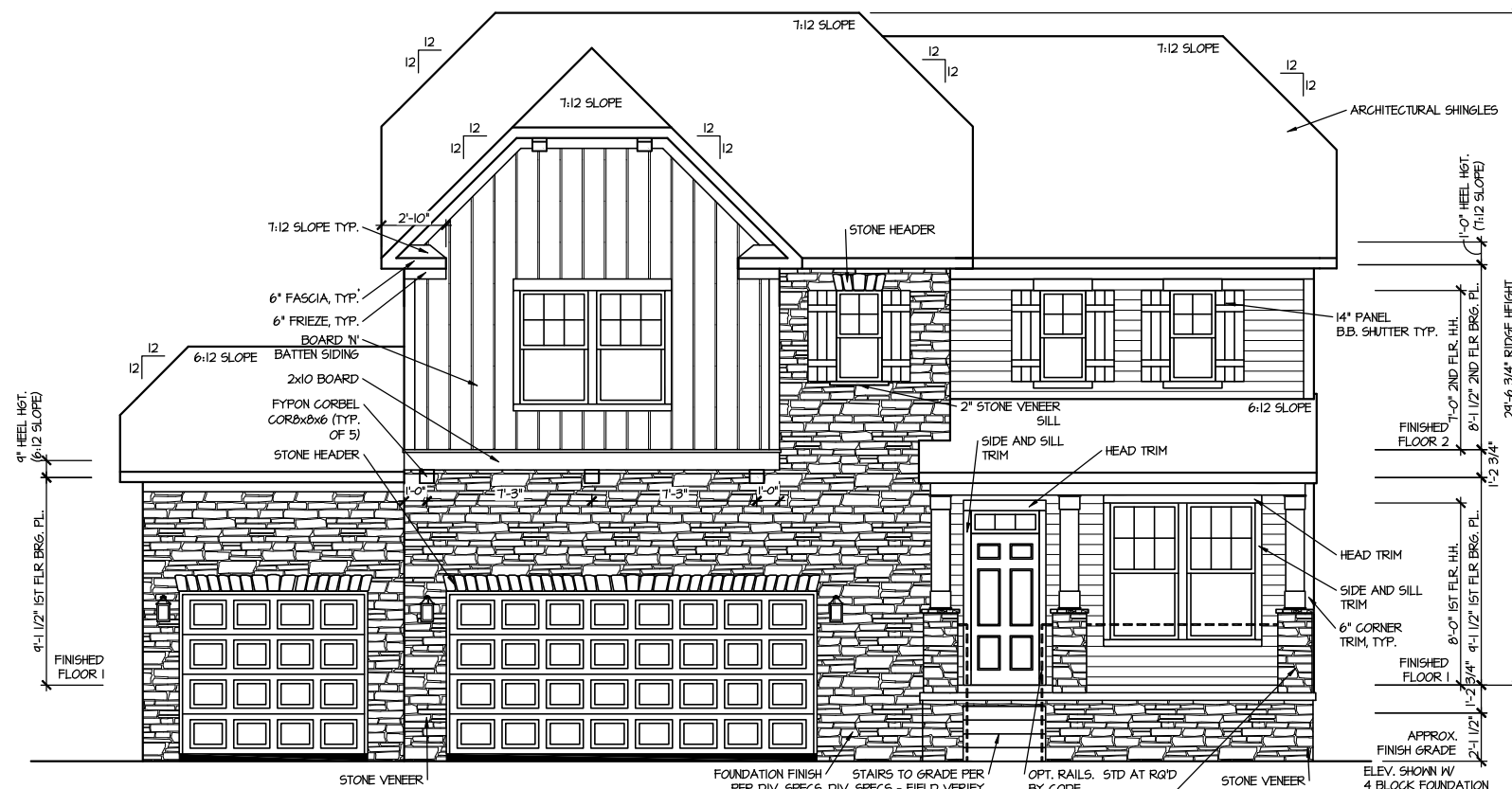
RALEIGH - LOT 00.0102 BLAKE POND SH
(MODEL# 2223)

ELEVATION 5 - GL

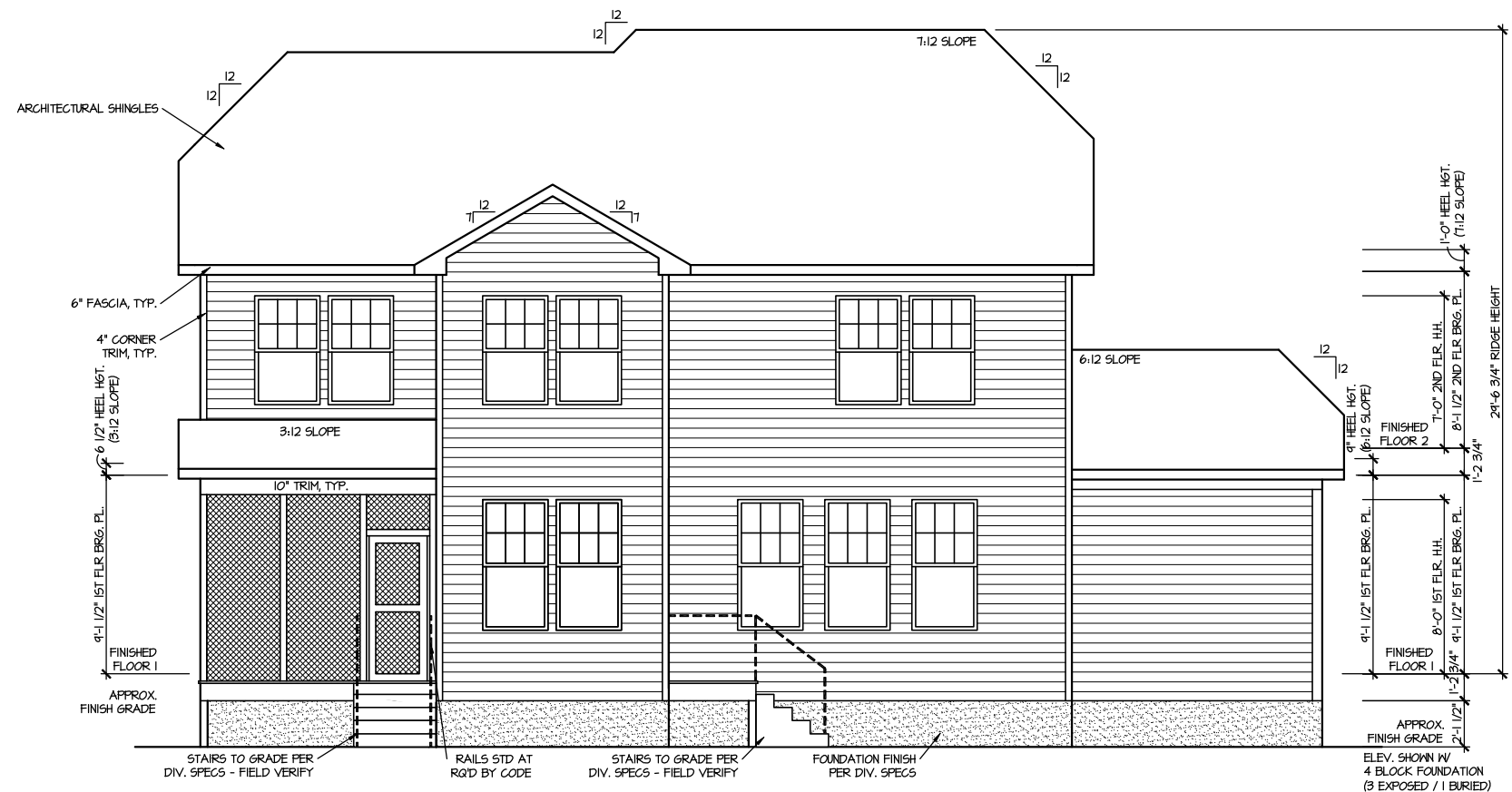
The logo for DRB HOMES features the letters "DRB" in a large, bold, black sans-serif font. Below "DRB", the word "HOMES" is written in a smaller, blue, sans-serif font. The entire logo is centered horizontally.

18 Frost Meadow Way

[illegible][illegible][illegible]



FRONT ELEVATION 5



REAR ELEVATION 5

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

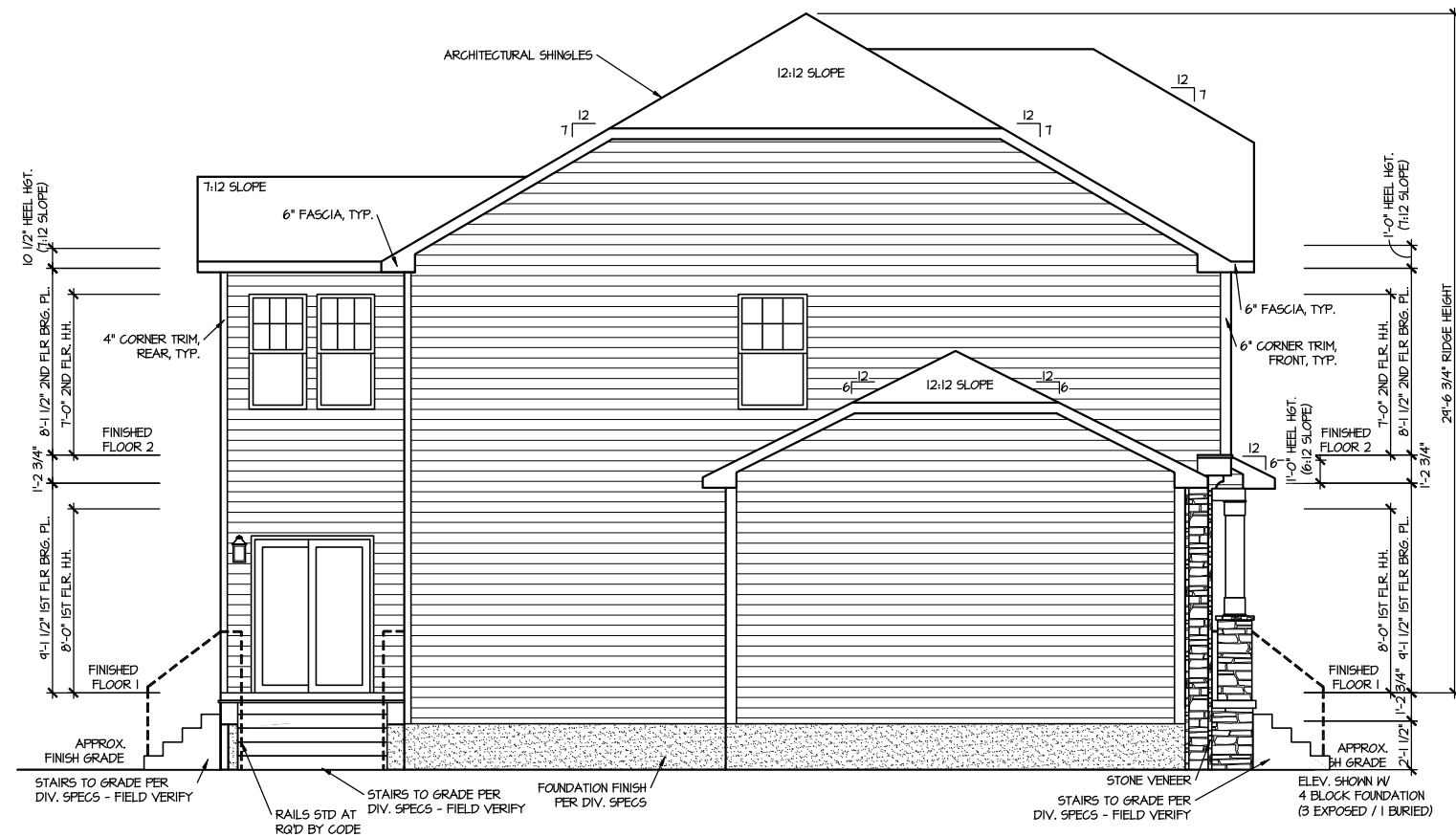
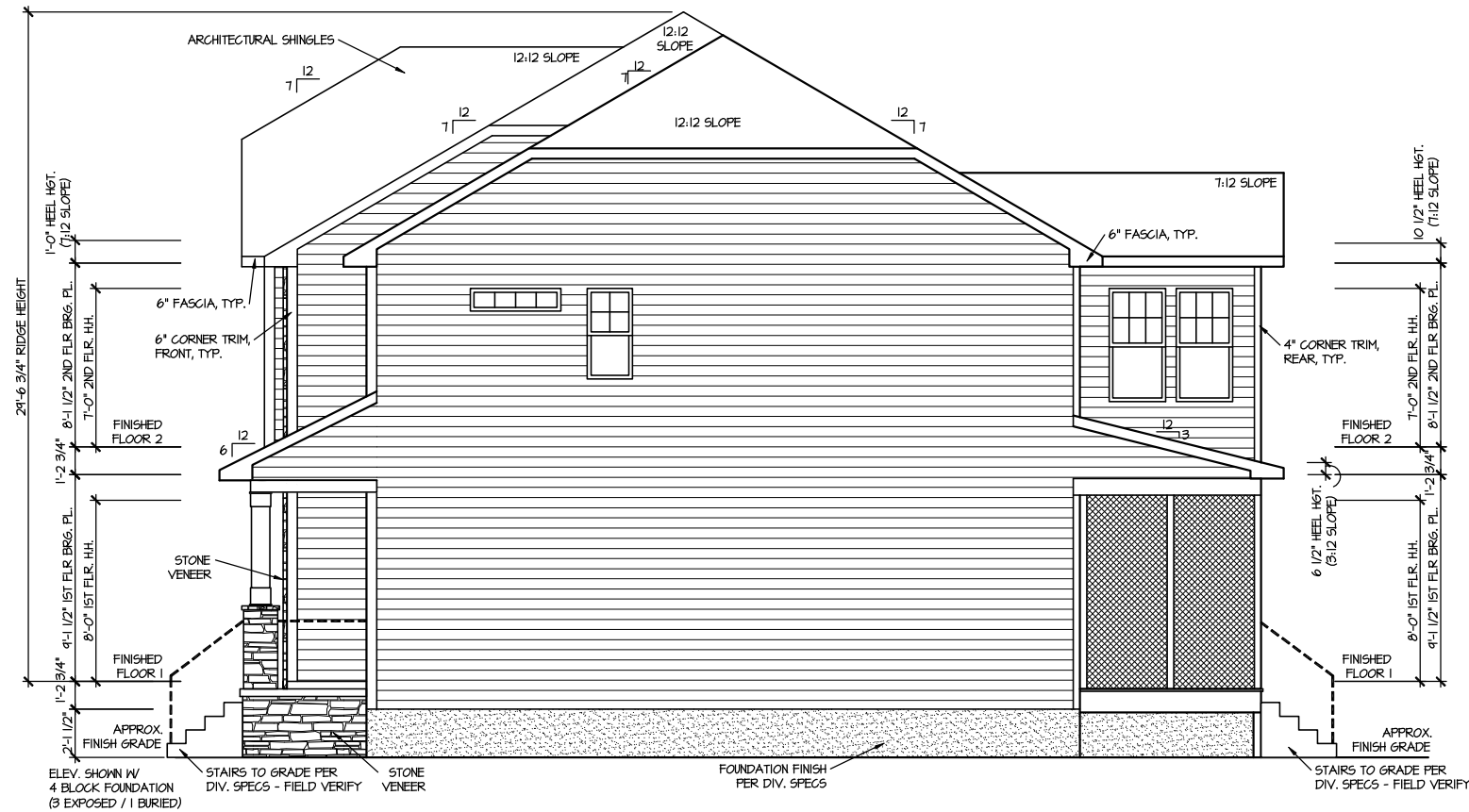
MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	08-23-2019	07-01-2024

DRAWN BY: ITS
DATE: 05/20/2025
PLAN NO. 2223



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

SHEET No.



MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALF	08-23-2019	07-01-2024

DRAWN BY: ITS
DATE: 05/20/2025
PLAN NO. 2223



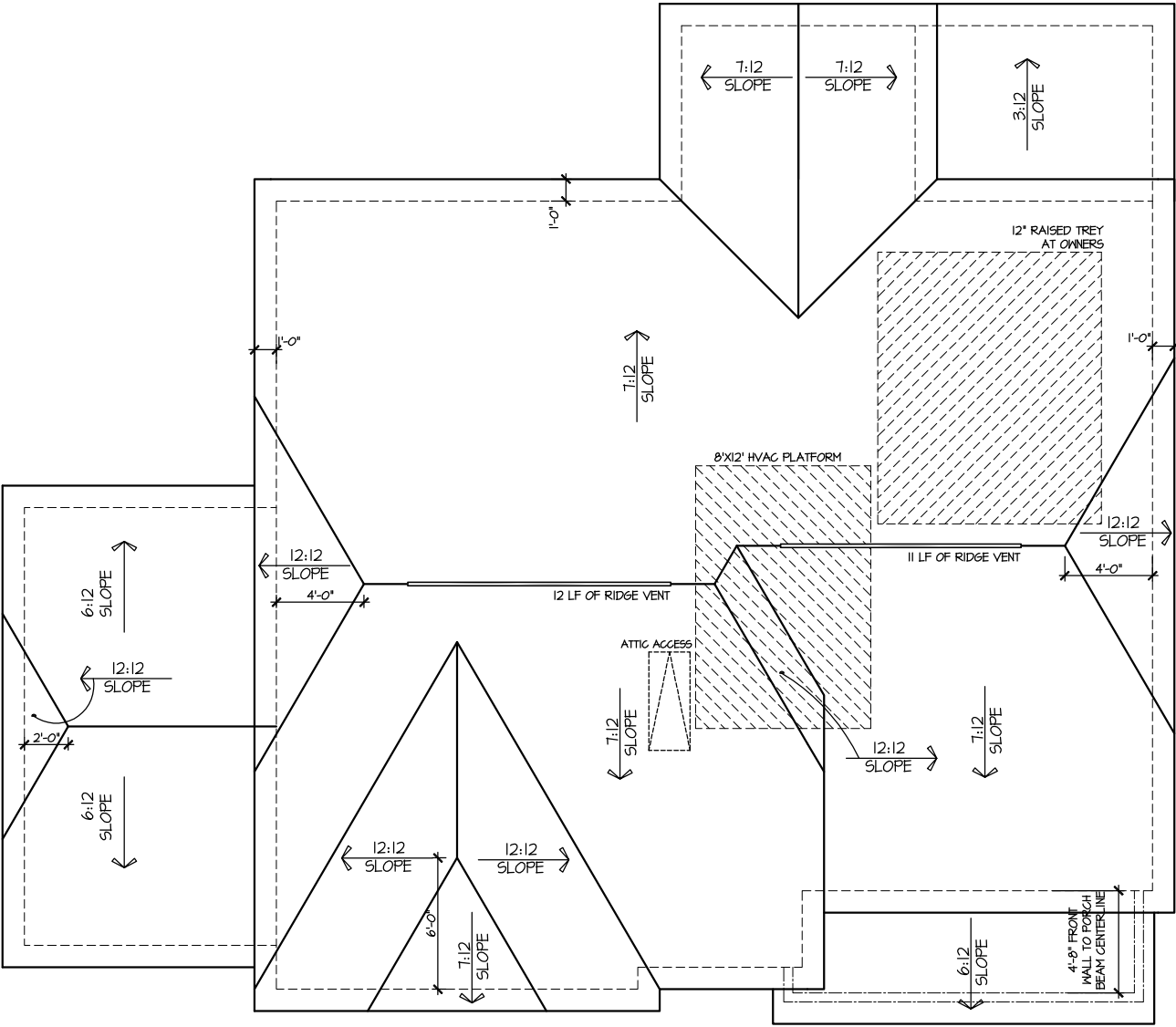
HOUSE NAME:	ELMHURST
DRAWING TITLE	RIGHT & LEFT ELEVATIONS

SHEET No.
A | . 2

ROOF VENTILATION CALCULATIONS: OPT. THIRD FLOOR

ROOF AREA = 1356 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 9.04 SQ. FT.
1 TO 300 = 4.52 SQ. FT.
50-80% IN TOP THIRD = 2.26- 3.61 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)
63 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 2.5 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
23 LINEAR FEET OF RIDGE X 10 SQ. IN. = 2.9 SQ. FT.
2.9 SQ. FT. BETWEEN 50% - 80%
(1 TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 5.1 SQ. FT. > 4.45 SQ. FT. (REQ'D)



ROOF PLAN ELEV. 5
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	
3-RALE	08-23-2019	07-01-2024

DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223



HOUSE NAME:
ELMHURST
DRAWING TITLE
ROOF PLAN

SHEET No.
A.3

CRAWL AREA = 937 SQ. FT.
OVERALL REQUIRED VENTILATION:
 1 TO 150 = 6.3 SQ. FT.

NET FREE AREA OF VENT = 62 SQ. IN PER VENT
WITTEN AUTOMATIC VENT B-BLACK (MB) OR EQUAL

VENTING REQUIREMENT:
6.3 SQ. FT / 62 SQ. IN = 14.63 VENTS = 15 VENTS



FILE: Lot 00.0102.dwg DATE: 5/20/2025 3:43 PM

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	08-23-2019	07-01-2024

DRAWN BY: ITS
DATE: 05/20/2025
PLAN NO. 2223

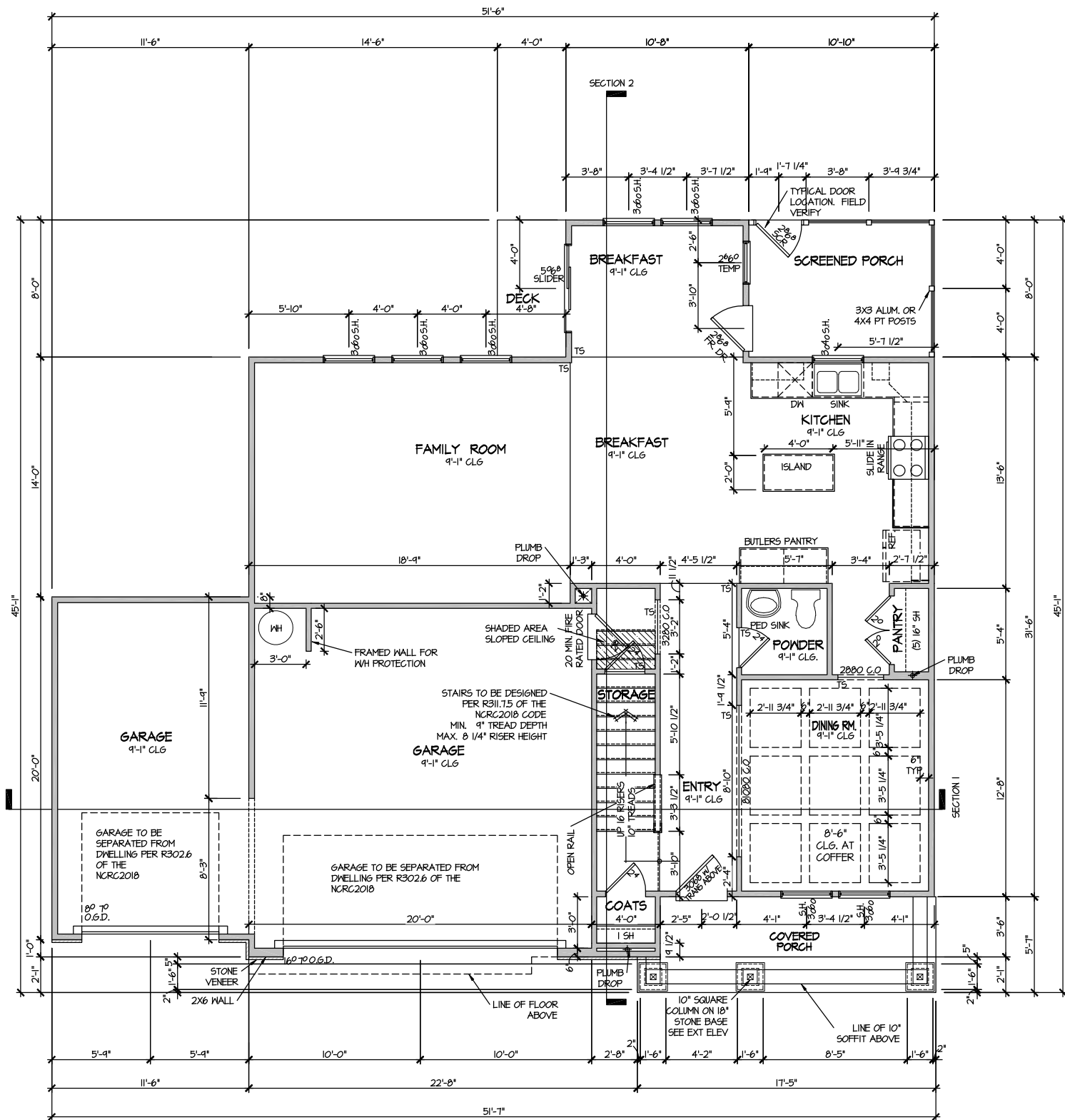


HOUSE NAME:
ELMHURST

DRAWING TITLE
CRAWL SPACE PLAN

SHEET No.

A2.



ELEVATION 5
FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

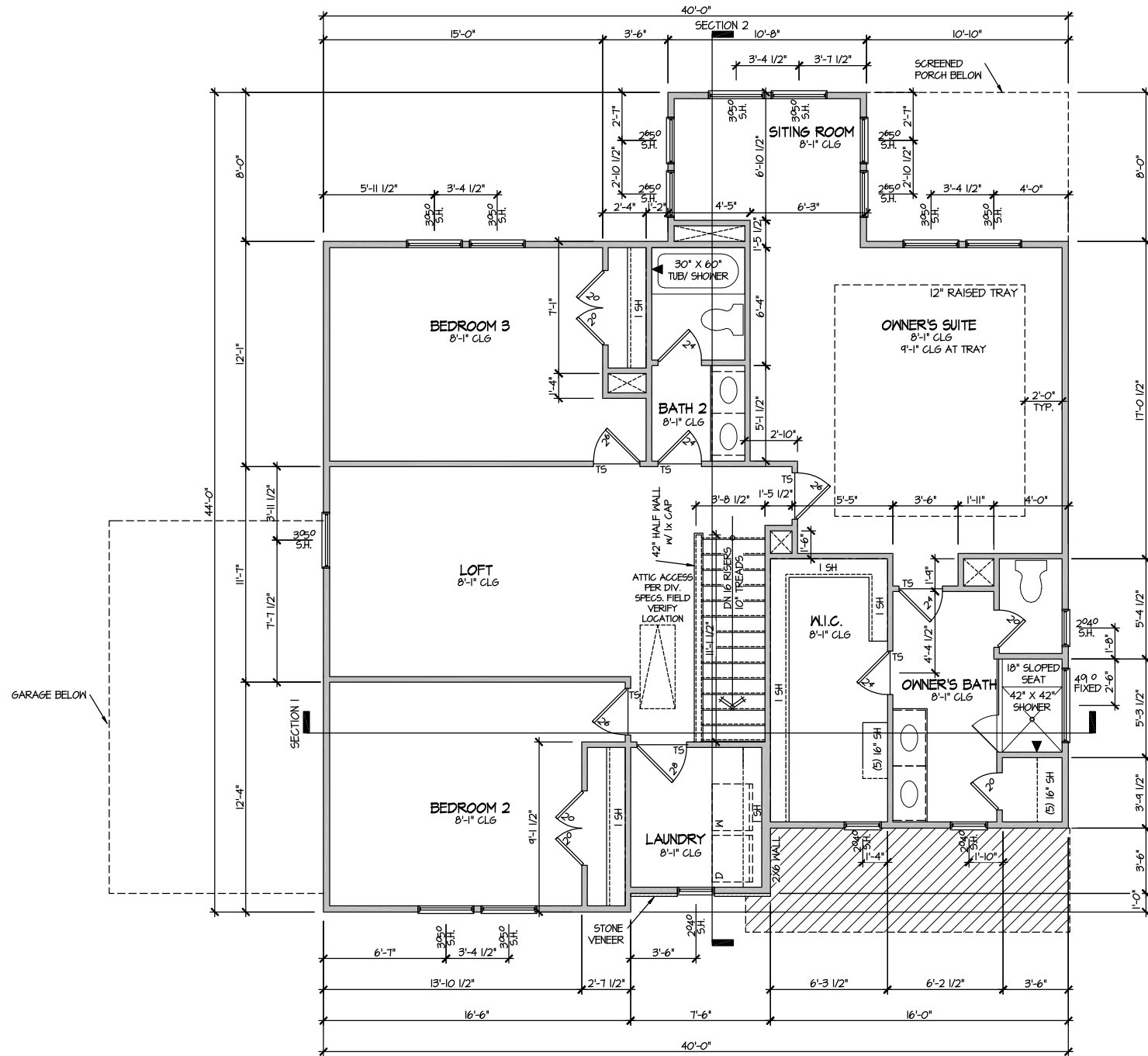
MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
3-RALE	08-23-2019	07-01-2024

DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223



HOUSE NAME:	ELMHURST
DRAWING TITLE	FIRST FLOOR PLAN

SHEET No.	A3.1
-----------	------



ELEVATION 5
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
3-RALE	08-23-2019		07-01-2024

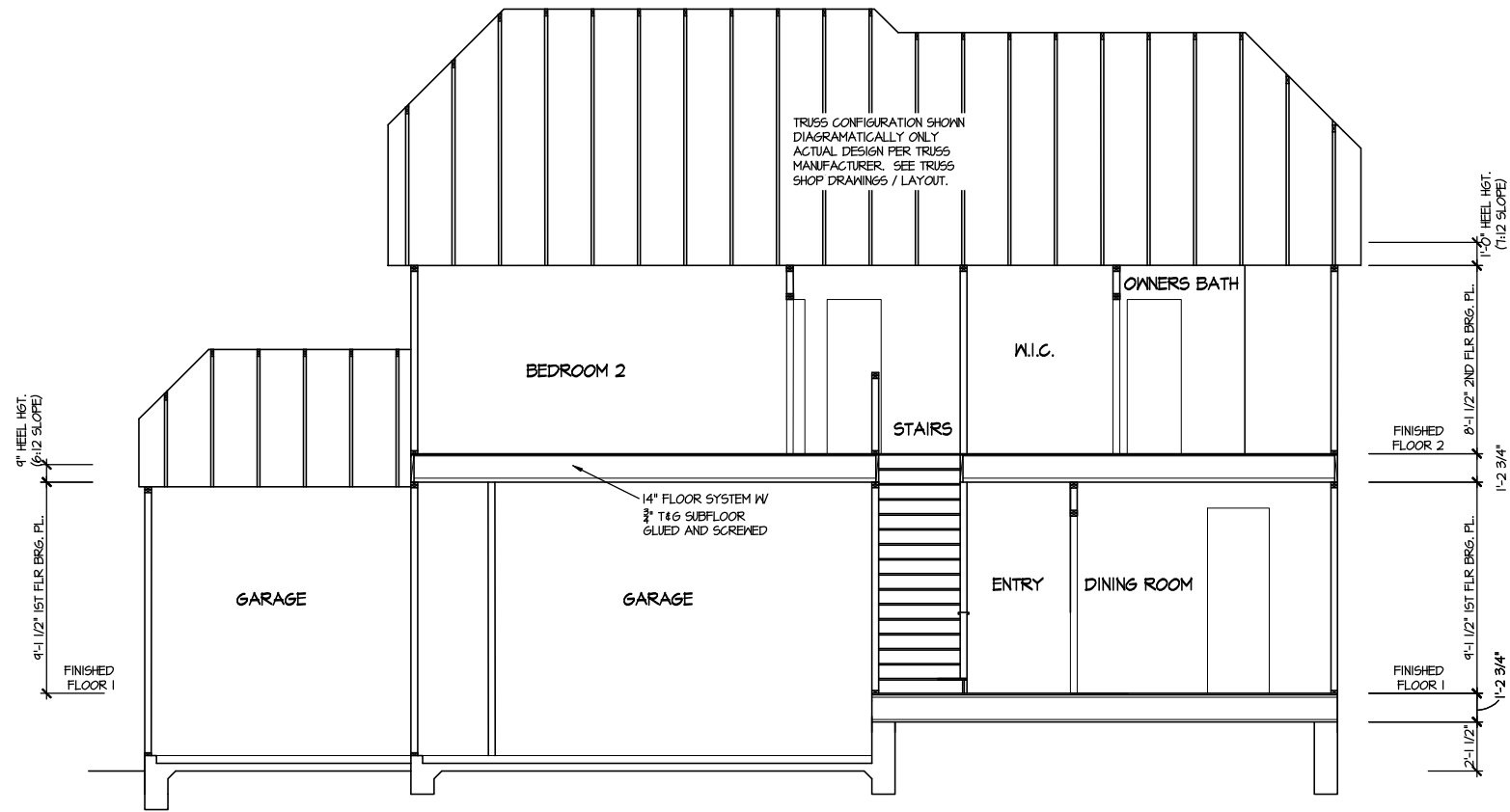
DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223



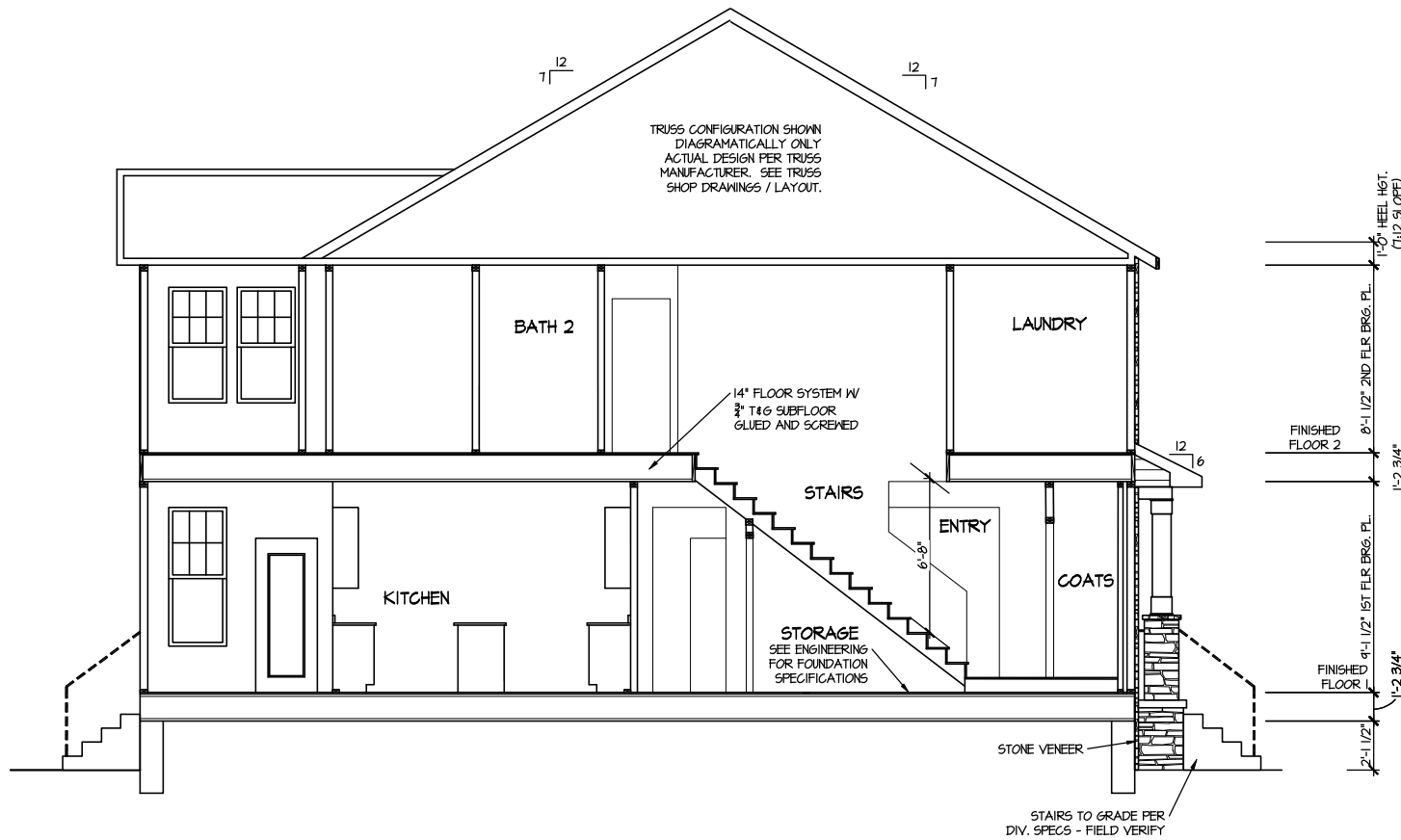
HOUSE NAME:	ELMHURST
DRAWING TITLE	SECOND FLOOR PLAN

SHEET No.	A3.2
-----------	------

FILE: Lot_00.0102.dwg DATE: 5/20/2025 3:43 PM



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



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

MASTER PLAN INFORMATION			UPDATED DATE
REVISION	DATE		
3-RAL	08-23-2019		07-01-2024

DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223

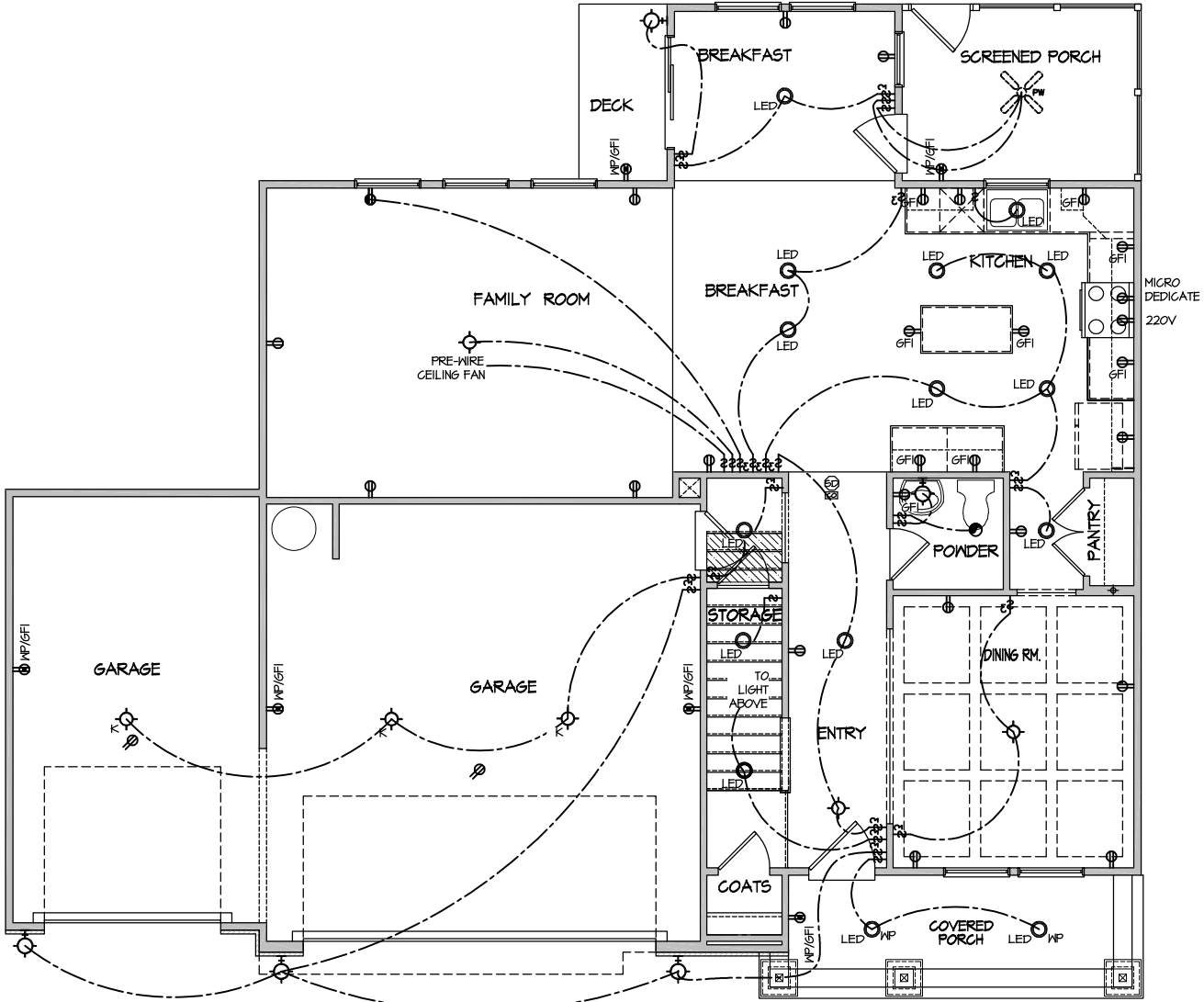
DRB
HOMES

HOUSE NAME:
ELMHURST
DRAWING TITLE
BUILDING SECTION

SHEET No.
A4.1

ELECTRICAL LEGEND	
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	DUPLEX AFCI RECEPTACLE
	DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
	DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
	RECEPTACLE - 220V
	DUPLEX AFCI RECEPTACLE - GFI
	DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
	SMOKE DETECTOR - WIRED IN SERIES
	EXHAUST FAN MOTOR
	CO DETECTOR
	DOOR CHIME
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - CEILING MOUNTED
	LIGHT FIXTURE - LED SURFACE MOUNTED
	PULLCHAIN LAMPHOLDER
	KEYLESS LAMPHOLDER

NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



MASTER PLAN INFORMATION	
REVISION	DATE
3-RALE	08-23-2019
UPDATED DATE	07-01-2024

DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223



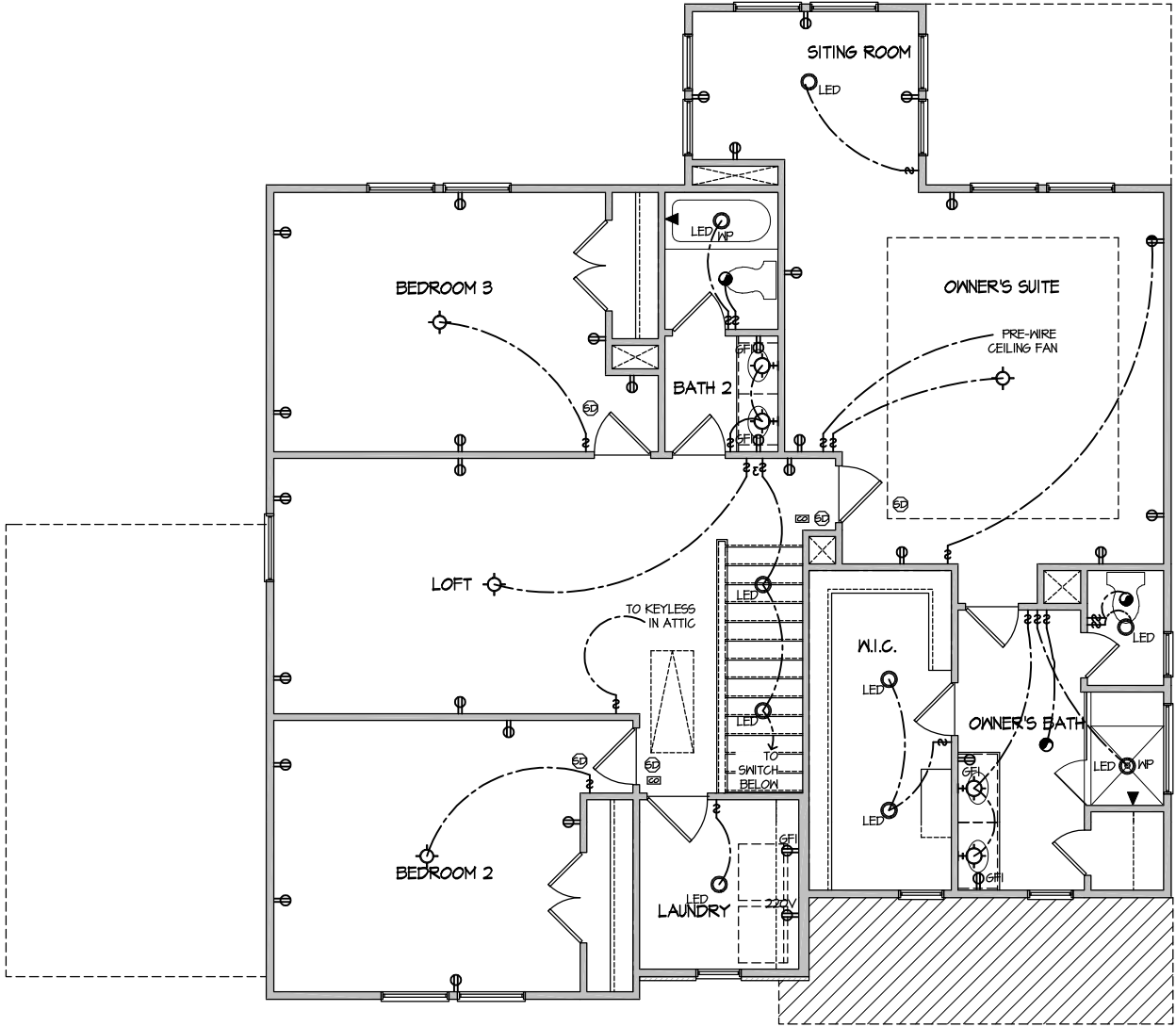
HOUSE NAME:	ELMHURST
DRAWING TITLE	FIRST FLOOR ELECTRICAL

SHEET No.	11
-----------	----

ELECTRICAL PLAN
FIRST FLOOR - ELEV. 5
SCALE: 1/8" = 1'-0"

ELECTRICAL LEGEND	
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	DUPLEX AFCI RECEPTACLE
	DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
	DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
	RECEPTACLE - 220V
	DUPLEX AFCI RECEPTACLE - GFI
	DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
	SMOKE DETECTOR - WIRED IN SERIES
	EXHAUST FAN MOTOR
	CO DETECTOR
	DOOR CHIME
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - CEILING MOUNTED
	LIGHT FIXTURE - LED SURFACE MOUNTED
	PULLCHAIN LAMPHOLDER
	KEYLESS LAMPHOLDER

NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



ELECTRICAL PLAN
SECOND FLOOR - ELEV. 5
SCALE: 1/8" = 1'-0"

FILE: Lot_00.0102.dwg DATE: 5/20/2025 3:43 PM

MASTER PLAN INFORMATION	
REVISION	DATE
3-RALE	08-23-2019
	07-01-2024

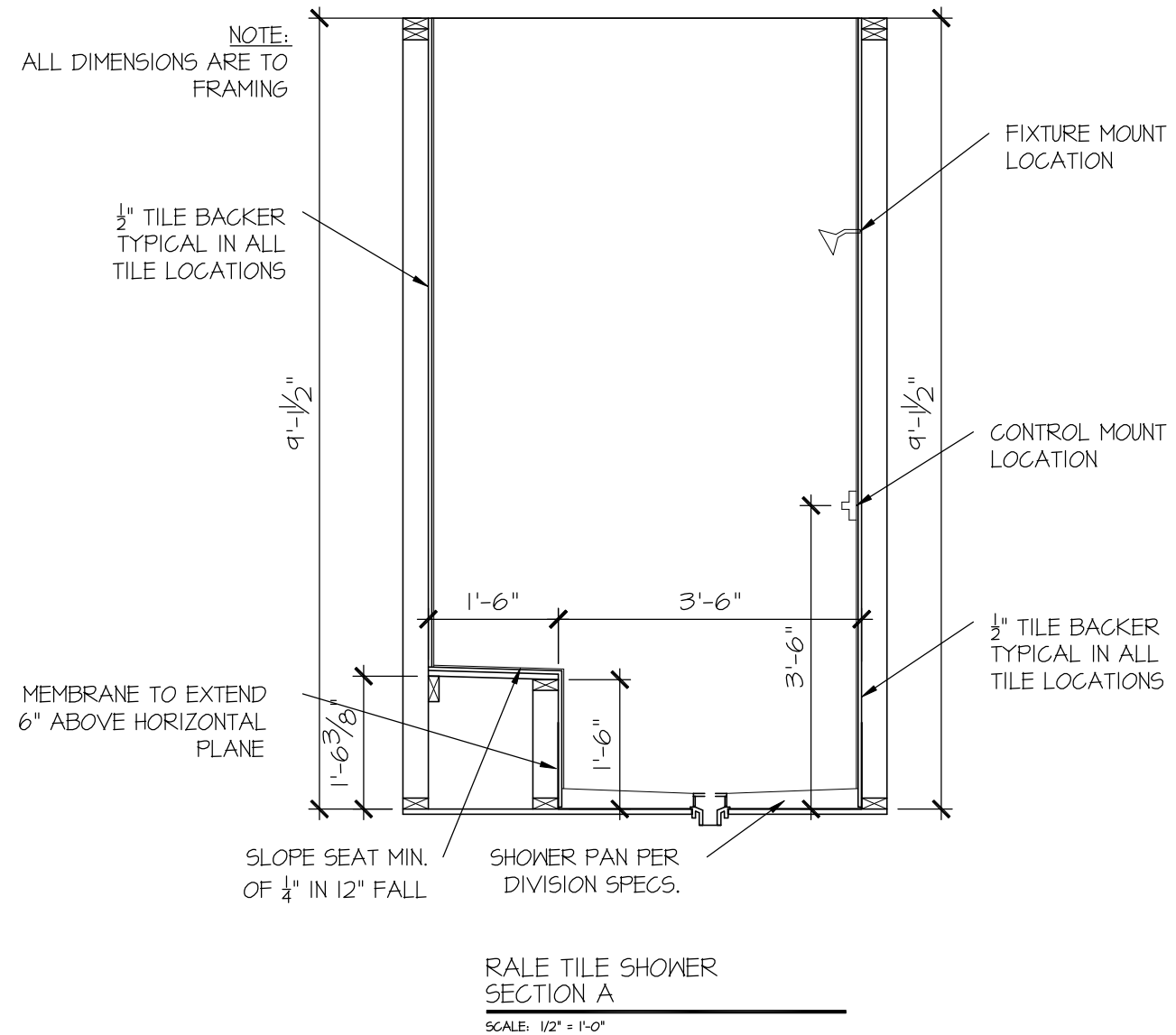
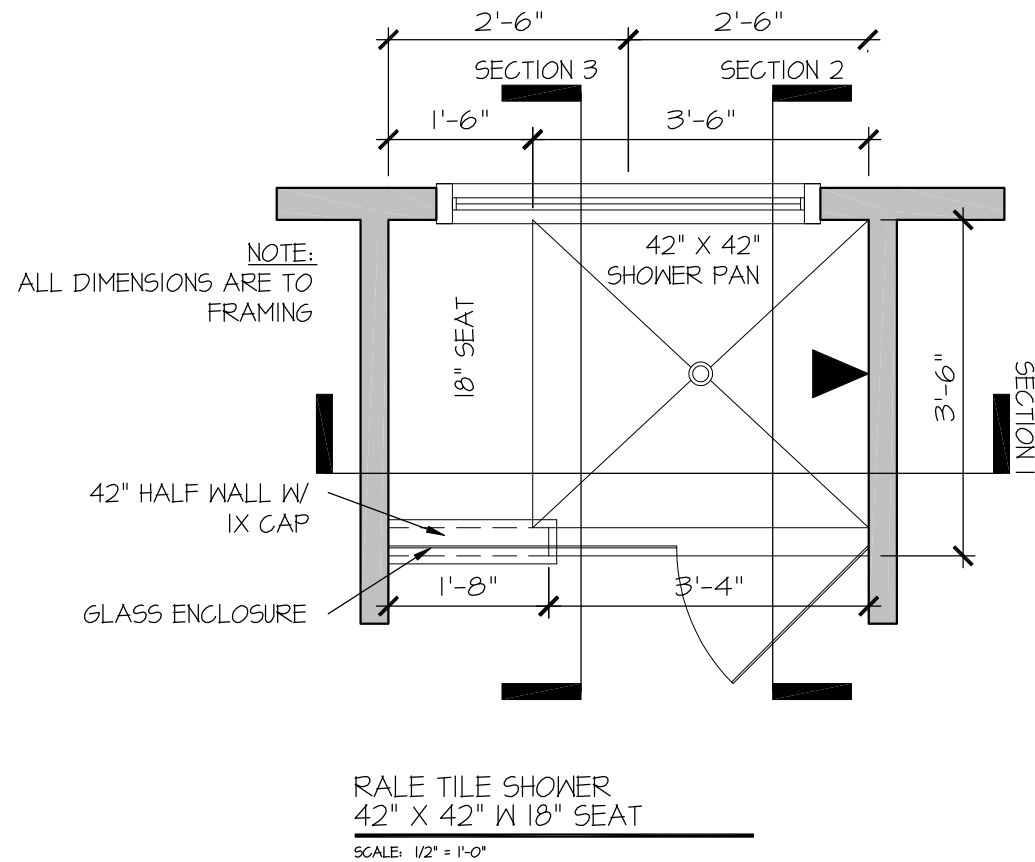
DRAWN BY:	ITS
DATE:	05/20/2025
PLAN NO.	2223

DRB
HOMES

HOUSE NAME:	ELMHURST
DRAWING TITLE	SECOND FLOOR ELECTRICAL

SHEET No.	1.2
-----------	-----

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



CONSULTANT LOGO

SEAL

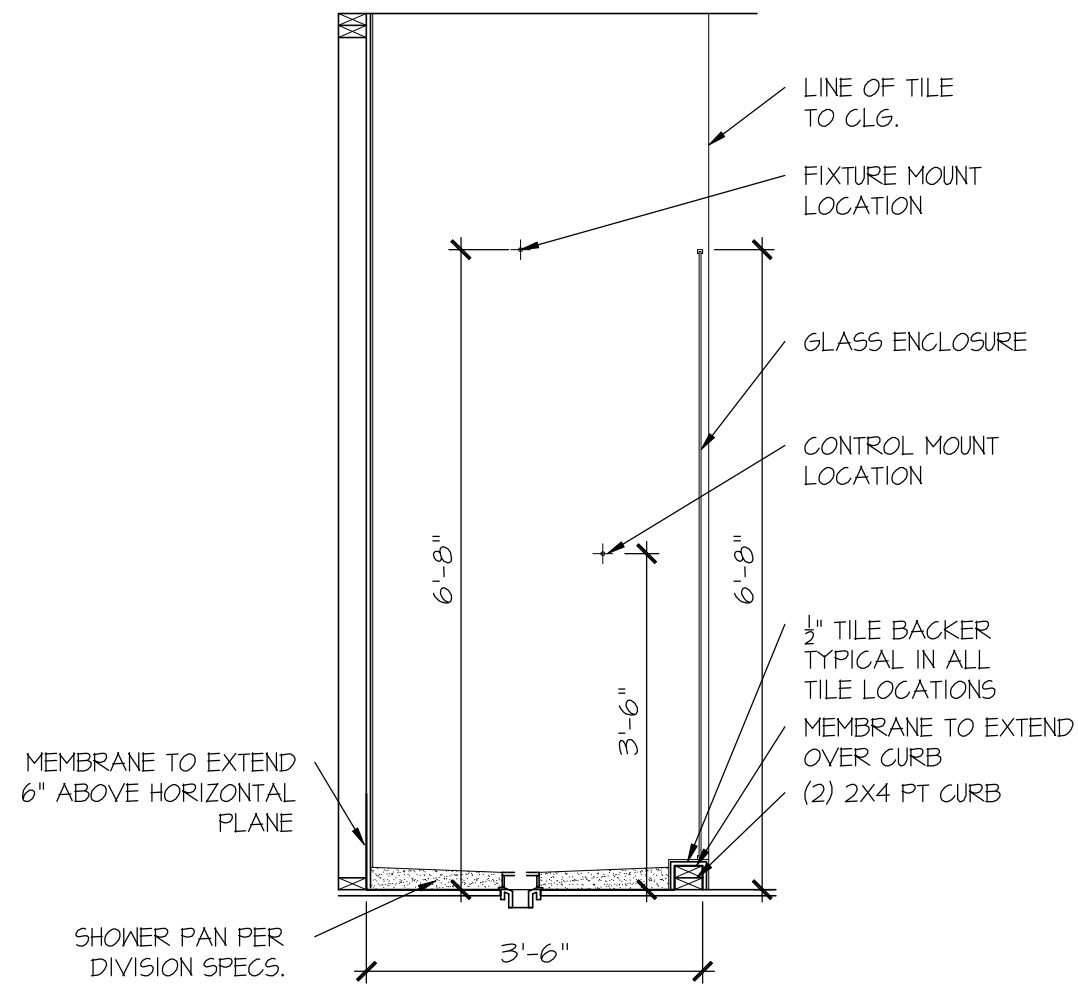
DRAWN BY:
L. BEAVERS
DATE: 9/1/22
PLAN NO.
11 X 17 SCALE
24 X 36 SCALE

DRB
HOMES

HOUSE NAME:
DRAWING TITLE
RALE TILE SHOWER DETAIL

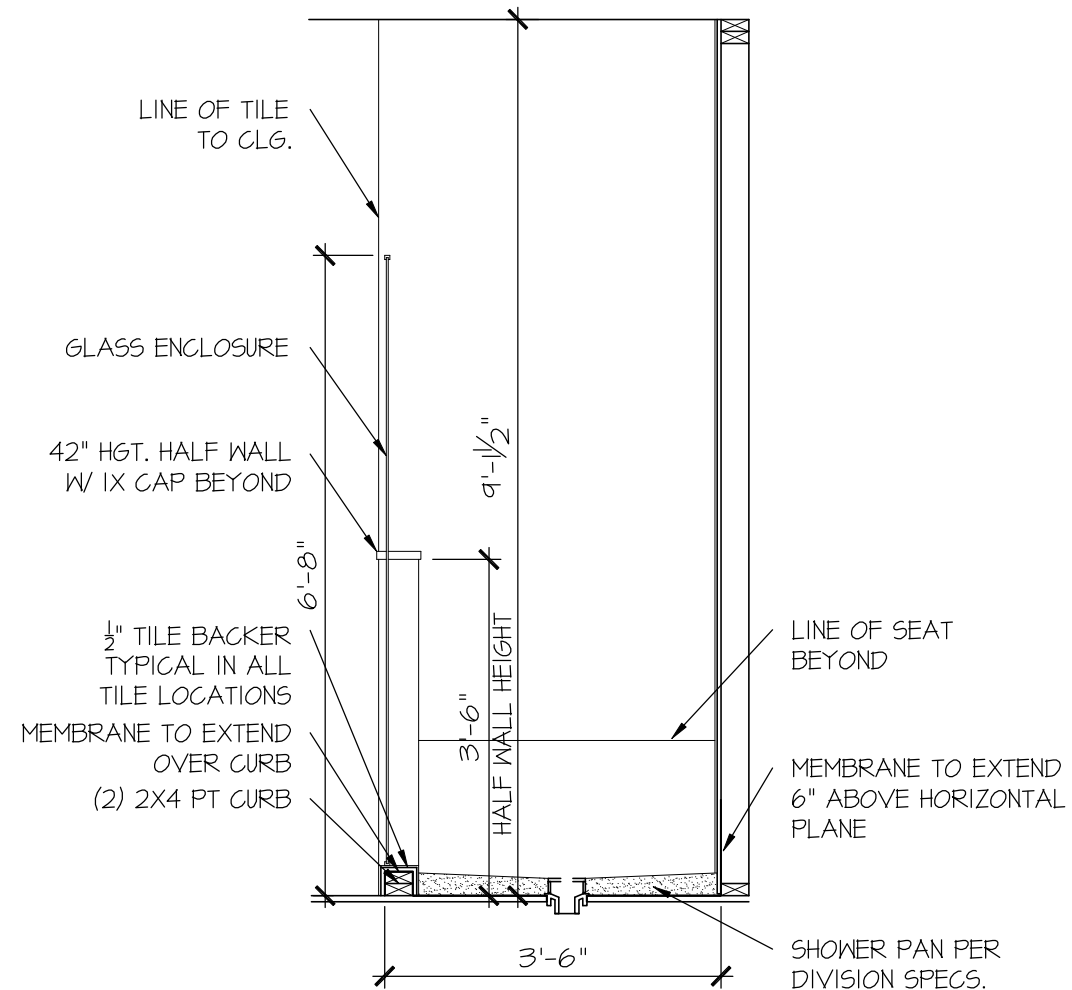
SHEET No.
10

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

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN - 2000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
 - 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU)
 - SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC)
 - SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU)(REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SFF OR 5TP, "STUD" GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UNO.:
 - f'_c = 4,000 psi: FOUNDATION WALLS
 - 2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE
 - 3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE
 - f_y = 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
 - 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, UNO.
 - 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 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
 - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
 - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
 - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C40 WITH A MIN. COMPRESSIVE STRENGTH OF 1400 psi (F_m=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530.1.
- CMU FOUNDATION WALLS SHALL HAVE "DUR-O-WALL" HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 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.

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

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.	(8) 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

* 3/2"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:

- 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)

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
002	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
003	(3)3/4"x16" - H	7"x16" - H	N/A	(3)2x12 + (2) 1/2"x11/2" STEEL FLITCH PLATES - H	N/A
004	(3)3/4"x20" - H	N/A	N/A	N/A	N/A
005	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
006	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
007	(2)3/4"x24" - FT OR (3)3/4"x22" - FT	N/A	N/A	N/A	M14x34 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
009	(2)3/4"x14" - F	3/2"x14" - F	N/A	(2)2x12 + (1) 3/4"x11/2" STEEL FLITCH PLATES - F	M12x14 - F
010	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/4"x11/2" STEEL FLITCH PLATES - F	M12x14 - 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 D5/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
- REFER TO DETAIL E5/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.

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 SAMN)
 - 10 PSF T.C., 5 PSF B.C. (TRUSSES)
 - (ADD'L 10 PSF @ TILE)
 - LATERAL 120 MPH, EXPOSURE B. SEISMIC A/B.
 - SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(I) FOR ALL CONNECTIONS, TYP. UNO.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR 5TP "STUD" GRADE LUMBER, OR BETTER, UNO.
 - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPP) 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., UNO.)
 - HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
 - (1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
 - 1.5L' - Fb=2325 psi; Fv=310 psi; E=1.55x10⁶ psi
 - 1.1L' - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi
 - PSL' - Fb=2400 PSI; Fv=240 PSI; E=2.0x10⁶ PSI
- MK SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO MK FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"x3/2" SIMPSON SDS SCREWS (OR 3/2" 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, UNO..
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"x0.131" NAILS @ 24" O.C. (MIN), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/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, UNO.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT MK FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, UNO.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
 - 2 1/2" x 0.131" NAILS @ 6" o.c. @ PANEL EDGES & @ 12" o.c. FIELD.
 - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.
 - #6 x 2" MIN. SCREWS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.

ROOF FRAMING

- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H25T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H25T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, UNO.
- ERECT AND INSTALL ROOF TRUSSES PER INTCA & 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 T' 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 @ 19.2" O.C. MAX. (FLOOR TRUSSES)
- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
 - W/ 2 1/4" 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"
6'-0"	3 FT. MAX	L3"x3"x1/4"
	12 FT. MAX	L4"x3"x1/4"
8'-0"	20 FT. MAX	L5"x3"x3/8"
	3 FT. MAX	L4"x4"x1/4" *
8'-0"	12 FT. MAX	L5"x3"x3/8"
	16 FT. MAX	L6"x3"x3/8"
9'-6"	12 FT. MAX	L6"x3"x3/8"
16'-0"	2 FT. MAX	L7"x4"x3/2" **
	3 FT. MAX	L8"x4"x3/2" **

ALL LINTELS:

- SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40 psi 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 LEGS VERTICAL.
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEGS MAY BE CUT IN THE FIELD TO BE 3 1/2" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 3/2" (MINIMUM) CLEAR DISTANCE FROM BOTTOM OF BEAM.
- * FOR QUEEN VENEER USE L4x3 3/4".
- ** FOR 3/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.

HOLD-DOWN SCHEDULE

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

* UTILIZE THE SS1B24 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.

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

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

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NC5BC: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 HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NC5BC:RC SECTION R802.II.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.II.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
 - FASTEN SHEATHING W/ 2 3/4"x0.113" NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. TYP. UNO.
- HORIZONTAL BLOCKING OF EXT. WALL/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2 3/4" 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 (1/6" 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.

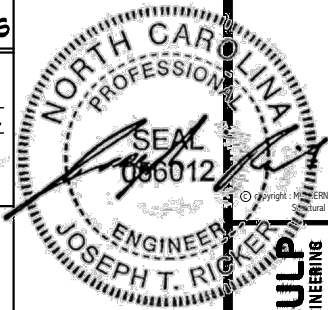
3" O.C. EDGE NAILING

- 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, UNO.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS:
 - FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

--- INDICATES EXTENT OF INT. OSB SHEARNALL OR 3" O.C. OSB SHEARNALL.
▷ INDICATES HOLDDOWN BELOW



seal: 5/28/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Rembrandt Ave. Building 4 - Jenkins, PA 15867
P: 715-548-8001 • mulhern+kulp.com
NC LICENSE HC-3825



M&K project number:

126-23061

project mgr:

JTR

drawn by:

JAD

issue date:

05-22-25

REVISIONS:

date:

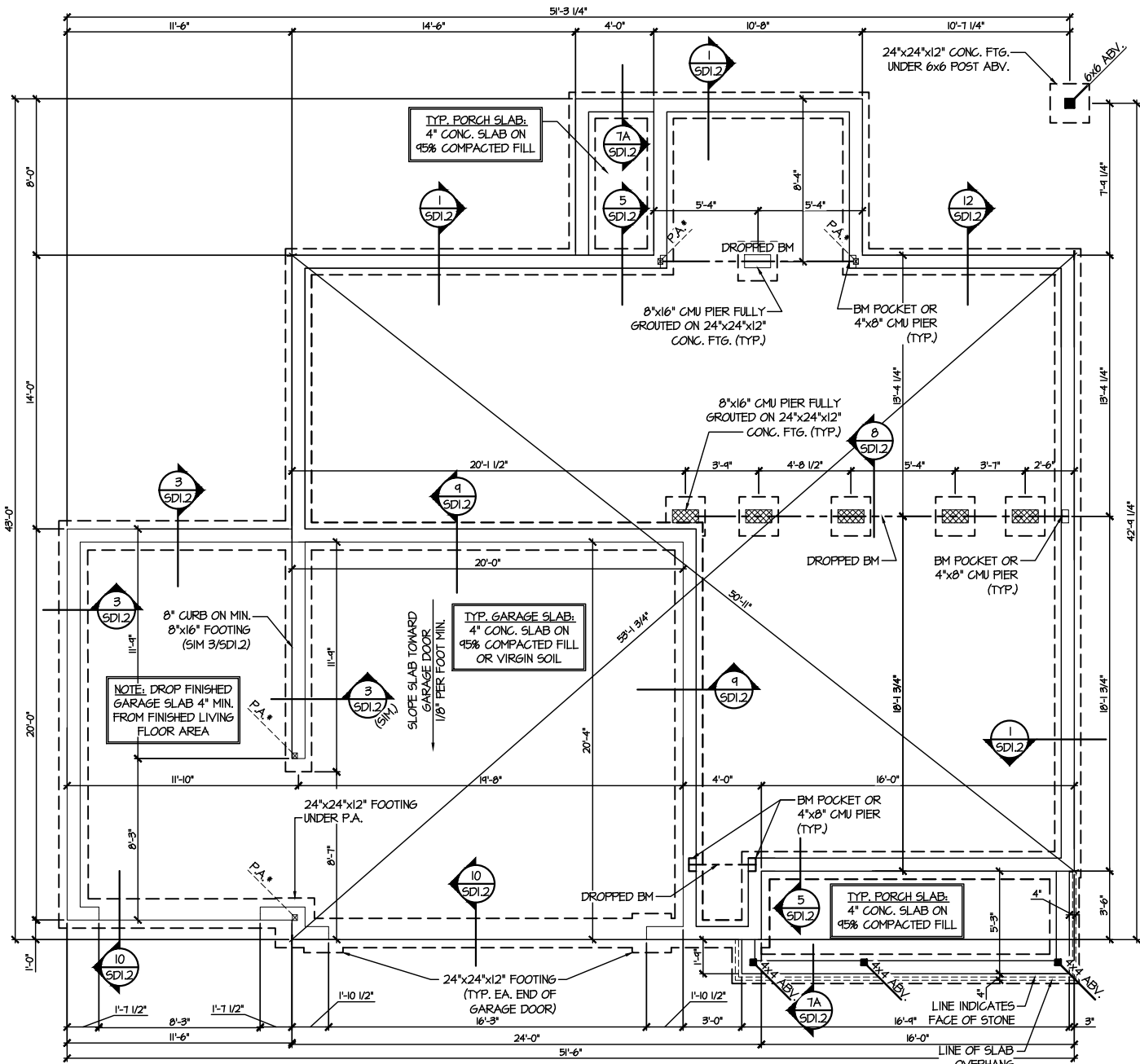
initial:

STRUCTURAL NOTES
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

50.0

FILE: RLH - Blake Pond - Lot 102 - Structural DATE: 5/28/2025 12:54 PM

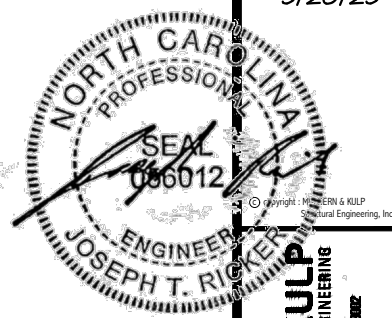


1 CRAWL SPACE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

LEGEND

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

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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remick Ave. Building 4 - Jambler, PA 15082
P 715-948-8081 • mulhern+kulp.com
NC LICENSE HC-3825

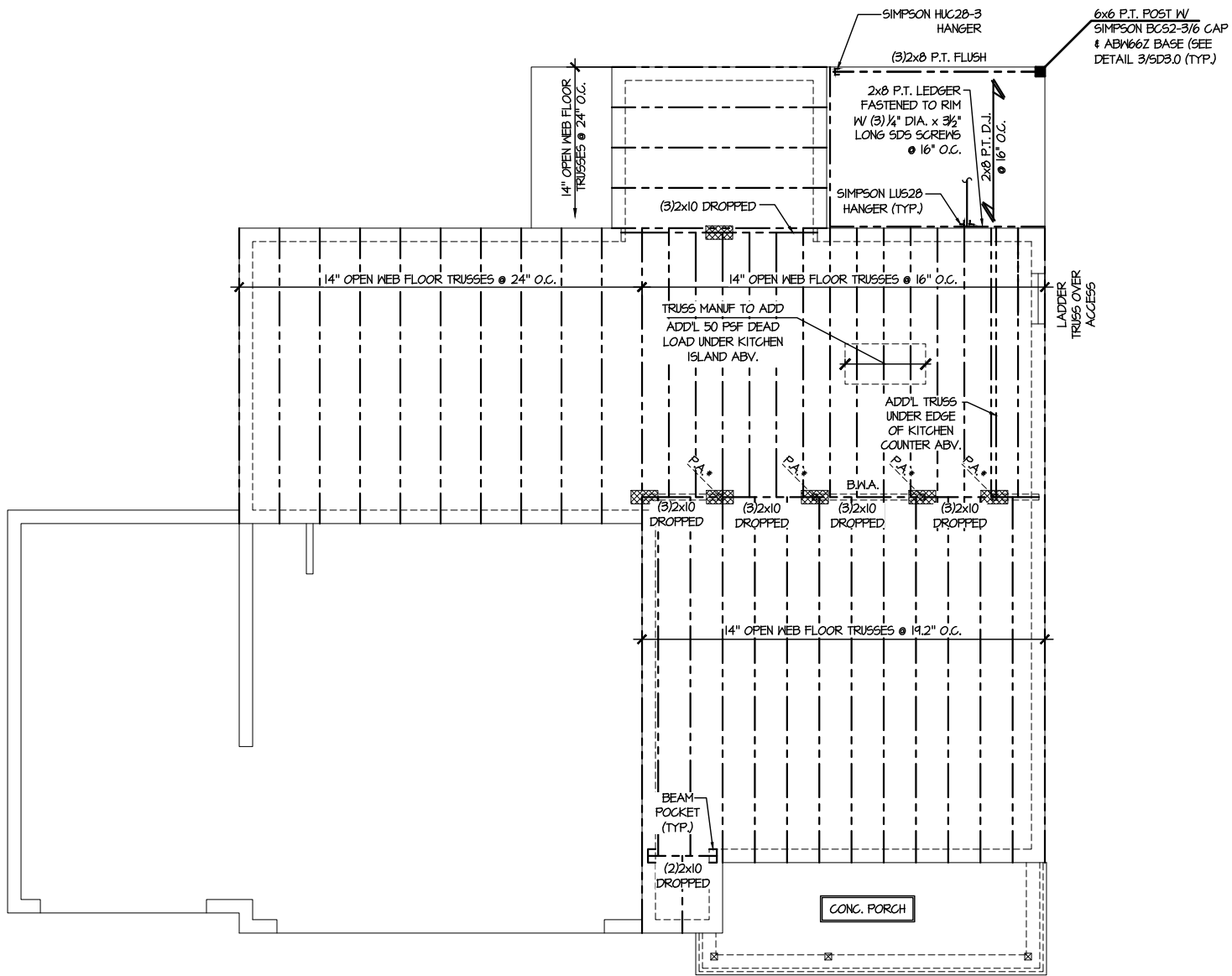
M&K project number:
126-23061
project mgr: JTR
drawn by: JAD
issue date: 05-22-25

REVISIONS:
date: initial:

DRB
HOMES

FOUNDATION PLANS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:
S1.0



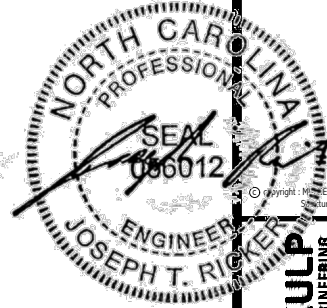
1 1ST FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
002	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
003	(3)3/4"x16" - H	7"x16" - H	N/A	(3)2x12 + (2) 1/2"x11/8" STEEL FLITCH PLATES - H	N/A
004	(3)3/4"x20" - H	N/A	N/A	N/A	N/A
005	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
006	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
007	(2)3/4"x24" - FT OR (3)3/4"x22" - FT	N/A	N/A	N/A	W14x34 - F
008	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1) 1/2"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x14" - F	3 1/2"x14" - F	N/A	(2)2x12 + (1) 3/8"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
010	(2)3/4"x14" - F	3 1/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1) 3/8"x11/8" STEEL FLITCH PLATES - F	W12x14 - F
<div>• 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.</div>					

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

LEGEND
• [Pattern] INTERIOR BEARING WALL
• [Pattern] BEARING WALL ABOVE
• [Pattern] BEAM / HEADER
• [Pattern] INDICATES SHEAR WALL & EXTENT
• [Pattern] EXTENT OF OVERFRAMING
• [Symbol] 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



seal: 5/28/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remondelle Ave. Building 4 - Jambler, PA 15082
P 715-948-8001 • mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-23061

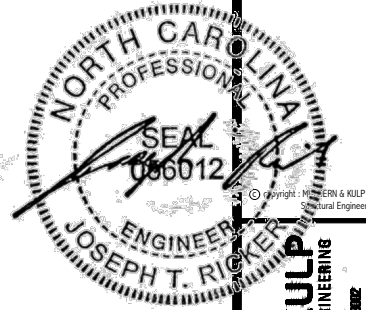
project mgr: JTR
drawn by: JAD
issue date: 05-22-25

REVISIONS:
date: initial:

DRB HOMES

FLOOR FRAMING PLANS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:
S2.0



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remick Ave. Building 4 - Jambler, PA 15062
P: 715-948-5001 • mulhern+kulp.com



M&K project number:

126-23061

project mgr:

JTR

drawn by:

JAD

issue date:

05-22-25

REVISIONS:

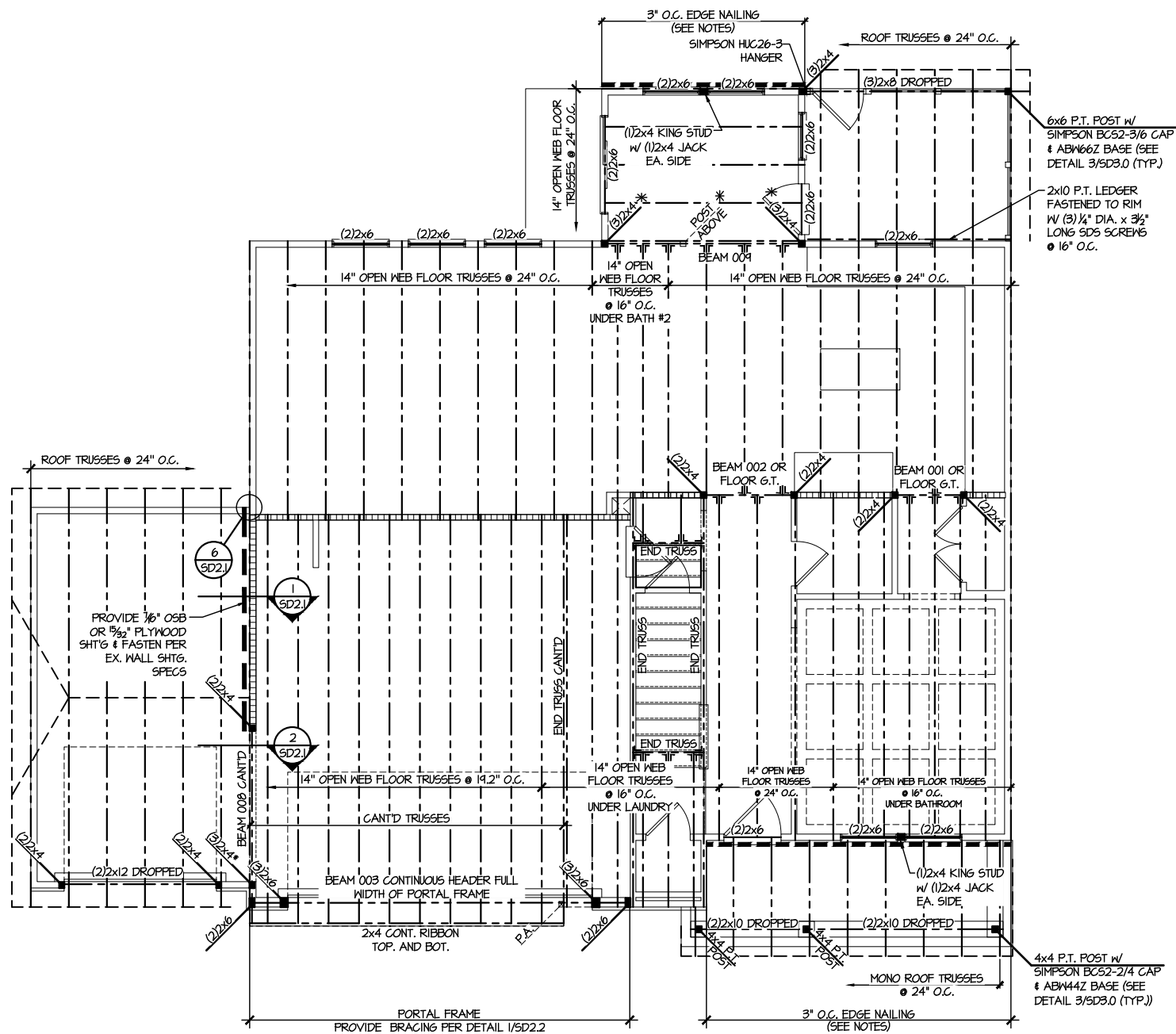
date: initial:

DRB HOMES

FLOOR FRAMING PLANS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

S3.0



ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
002	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
003	(3)3/4"x16" - H	7"x16" - H	N/A	(3)2x12 + (2)1/2"x11/4" STEEL FLITCH PLATES - H	N/A
004	(3)3/4"x20" - H	N/A	N/A	N/A	N/A
005	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
006	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
007	(2)3/4"x24" - FT OR (3)3/4"x22" - FT	N/A	N/A	N/A	W14x34 - F
008	(2)3/4"x14" - F	3/2"x14" - F	(2)3/4"x14" - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x14" - F	3/2"x14" - F	N/A	(2)2x12 + (1)3/8"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
010	(2)3/4"x14" - F	3/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1)3/8"x11/4" STEEL FLITCH PLATES - F	W12x14 - F

BEAM NOTATION:

- "FT" 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.

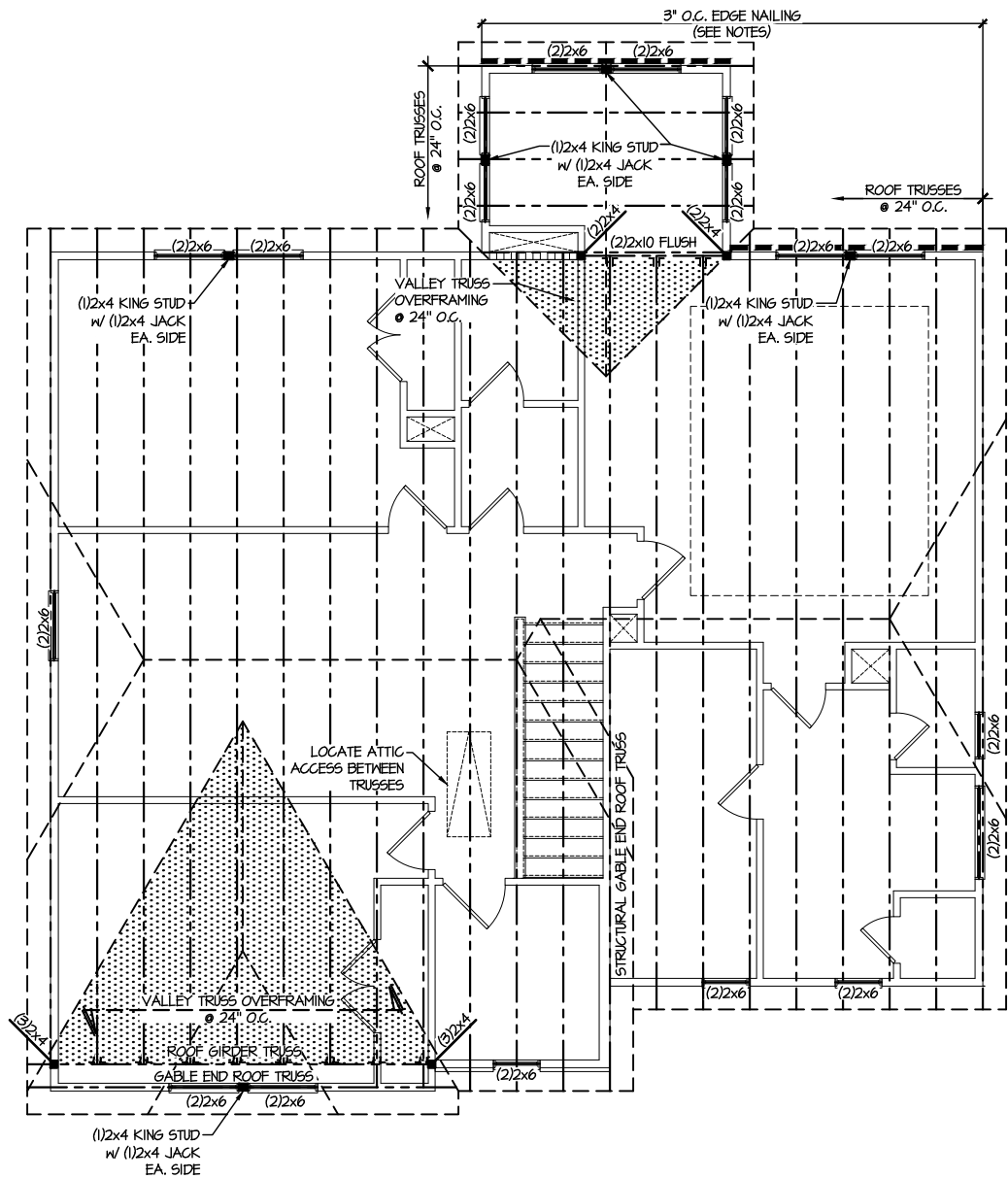
SD2.1 REFERS TO SD2.1A FOR LVL/PSL/LSL BEAMS OR SD2.1B FOR FLITCH BEAMS OR SD2.1C FOR STEEL BEAMS

LEGEND

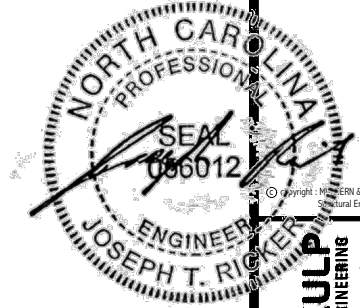
- [Pattern] INTERIOR BEARING WALL
- [Pattern] BEARING WALL ABOVE
- [Pattern] BEAM / HEADER
- [Pattern] INDICATES SHEAR WALL & EXTENT
- [Pattern] EXTENT OF OVERFRAMING
- [Symbol] 1L METAL HANGER
- [Symbol] * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- [Symbol] ► INDICATES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

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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



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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dunsmuir Ave. Building 4 - Jambler, PA 15002
P 715-948-8001 • mulhern+kulp.com
NC LICENSE #C-3825

M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

REVISIONS:
date: initial:



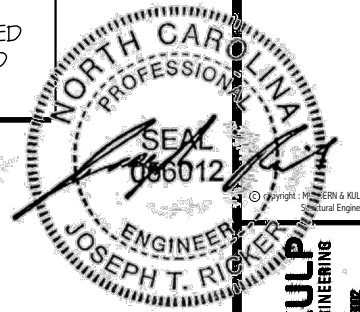
ROOF FRAMING PLANS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:
S4.0

LEGEND

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

REFER TO 50.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dunsmuir Ave. Building 4 - Asheville, PA 18002
P: 715-948-8001 • mulhern+kulp.com
NC LICENSE #C-3825

M&K project number:
126-23061
project mgr: JTR
drawn by: JAD
issue date: 05-22-25
REVISIONS:
date: initial:

DRB HOMES

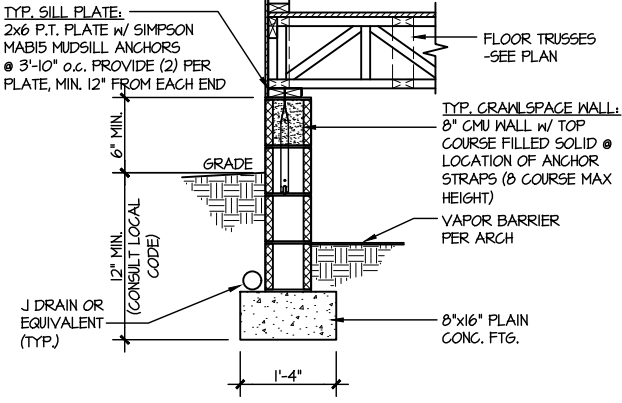
FOUNDATION DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:
SD1.2

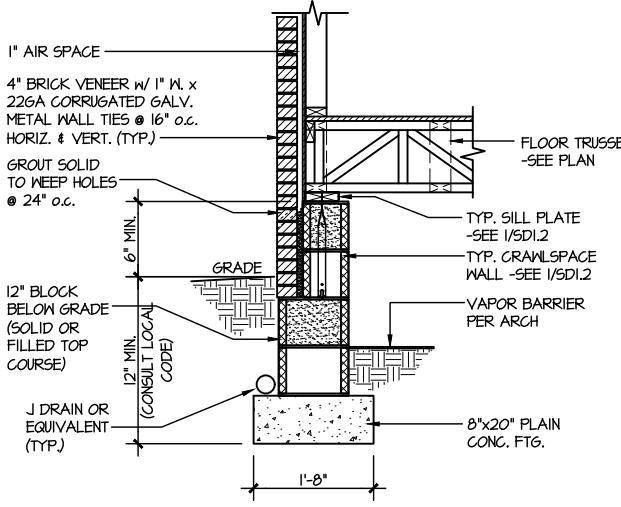
LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

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

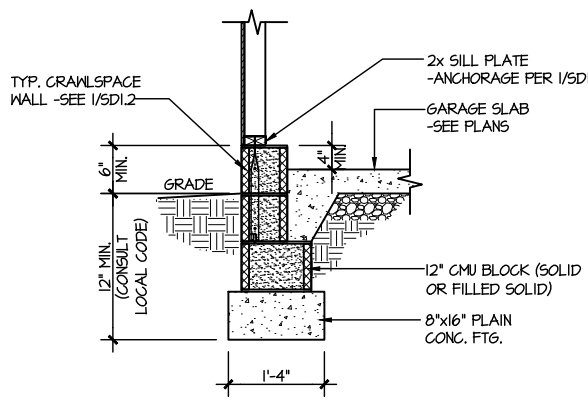
ALT. TO MUDSILL ANCHORS:
1/2" DIA. x 10" LONG A.B. @ 6'-0" o.c.



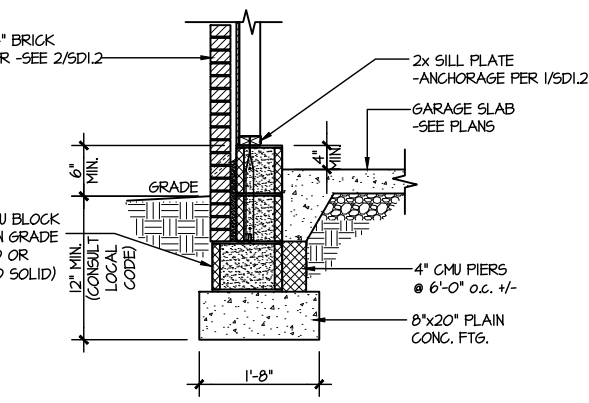
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"



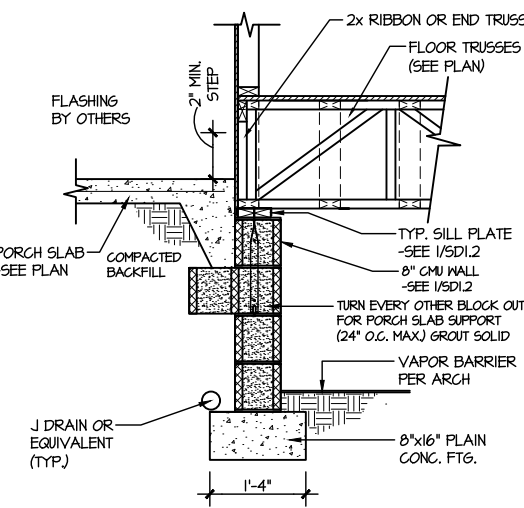
2 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" w/ BRICK VENEER



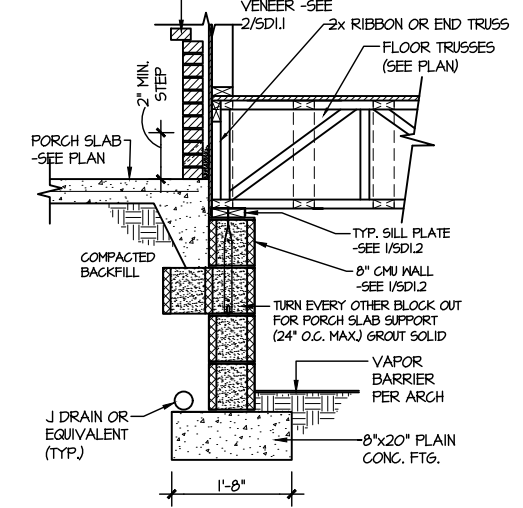
3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0"



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

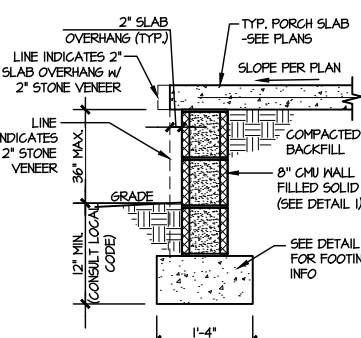


5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)

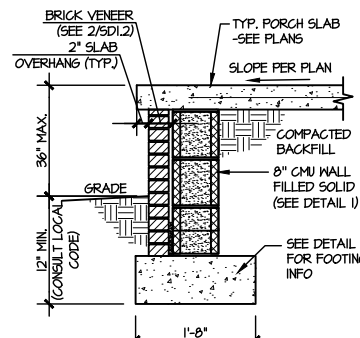


6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER

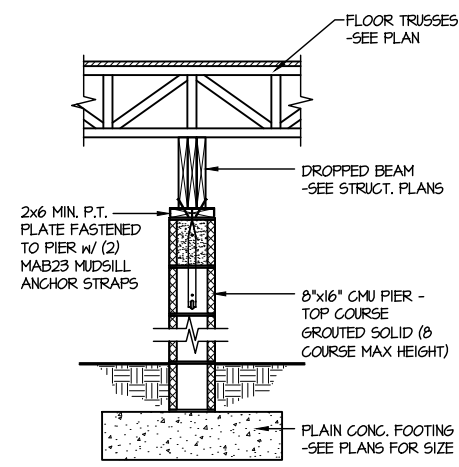
PLAIN CONC. FOOTINGS AS DIMENSIONED & SHOWN ARE MINIMUM SIZES REQUIRED & HAVE BEEN ENGINEERED. ADDITION OF CONTINUOUS REBAR OR LARGER FOOTINGS MAY BE PROVIDED AT THE DISCRETION OF THE BUILDER.



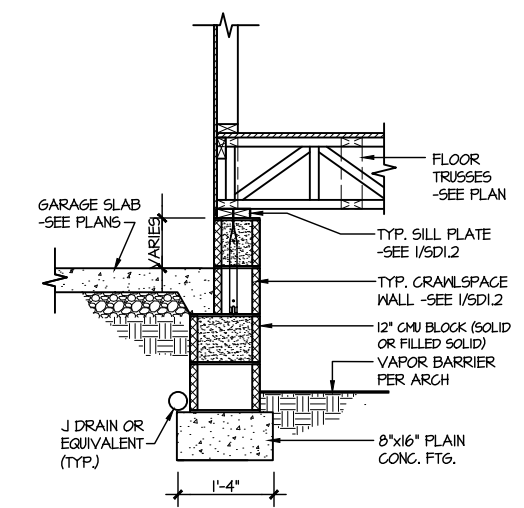
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



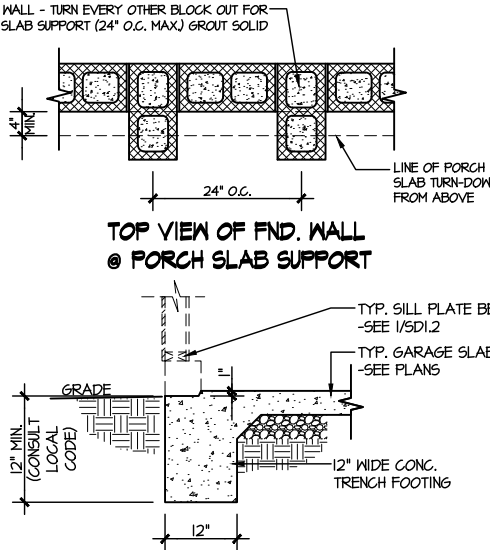
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



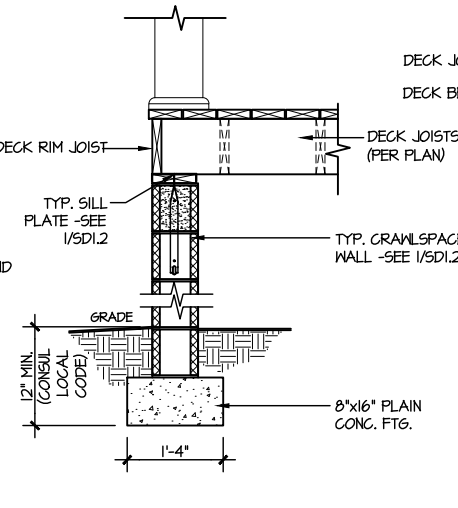
8 TYPICAL CRAWLSPACE FND. @ INTERIOR PIER
SCALE: 3/8"=1'-0"



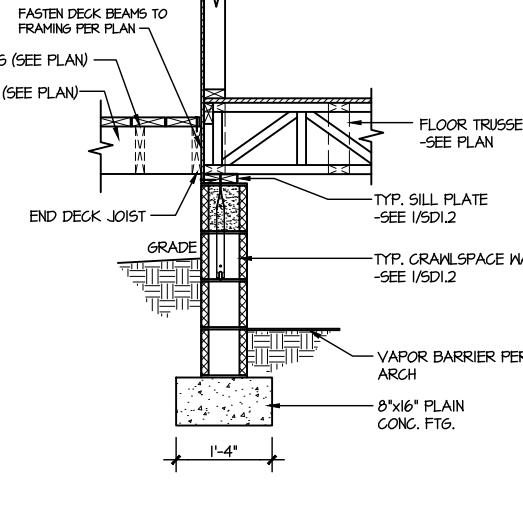
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE
SCALE: 3/8"=1'-0"



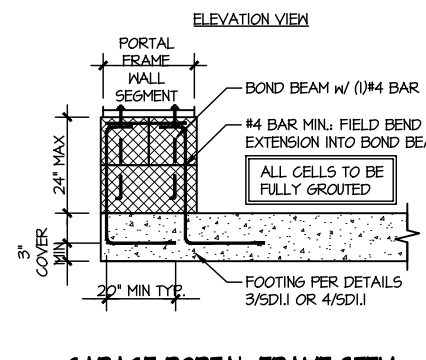
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



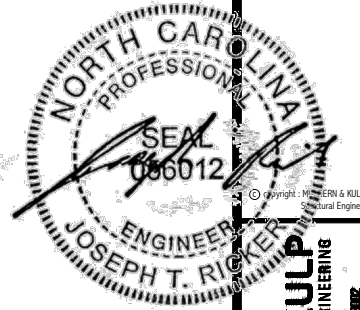
11 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK PERIMETER
SCALE: 3/8"=1'-0"



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



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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dunsmuir Ave. Building 4 - Asheville, PA 18002
P 215-948-5001 • mulhern+kulp.com

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Dunsmuir Ave. Building 4 - Asheville, PA 18002
P 215-948-5001 • mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

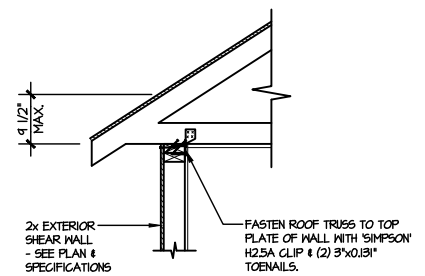
REVISIONS:
date: initial:

DRB HOMES

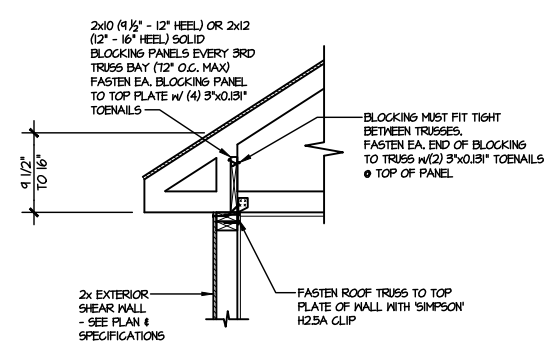
FRAMING DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

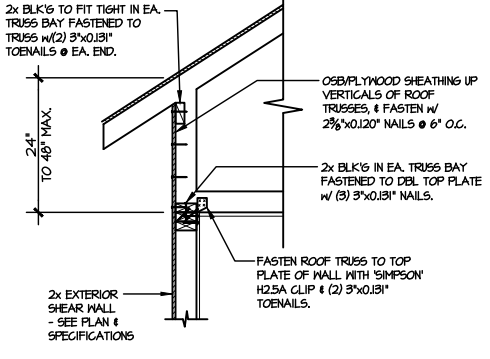
SD2.0



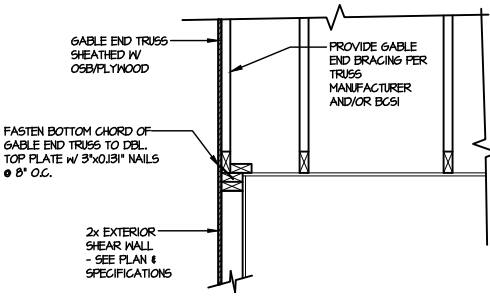
**TYPICAL SHEAR
TRANSFER DETAIL @ ROOF**
(A1) SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2"
NO BLOCKING REQ'D



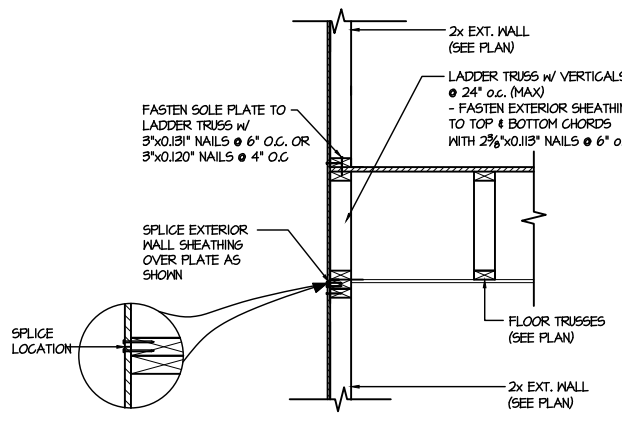
**TYPICAL SHEAR
TRANSFER DETAIL @ ROOF**
(A2) SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16"
BLOCKING REQ'D



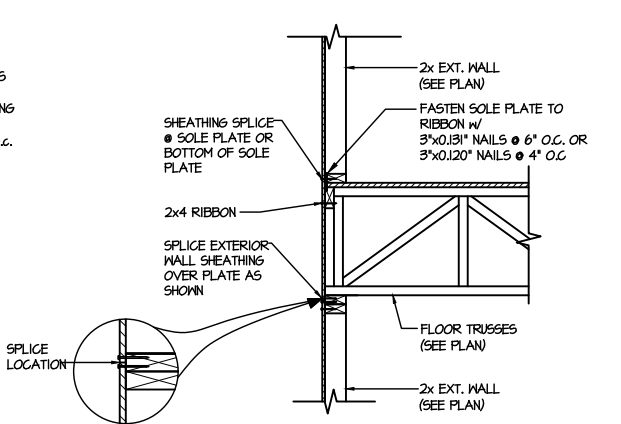
**TYPICAL SHEAR TRANSFER
DETAIL @ RAISED HEEL TRUSS**
(A3) SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



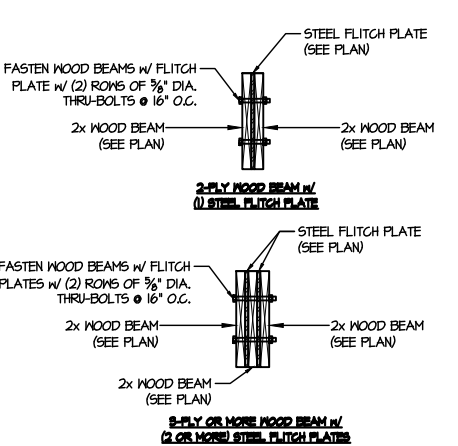
TYPICAL GABLE END DETAIL
(B) SCALE: 3/8"=1'-0"



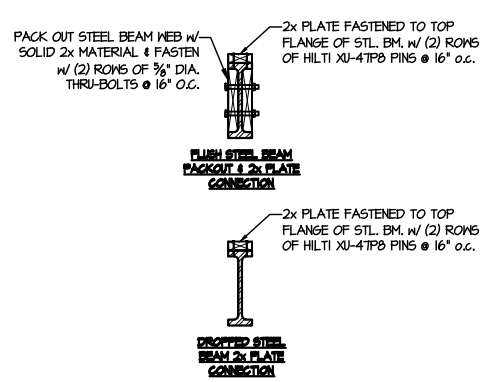
**TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ EXTERIOR WALL**
(C1) SCALE: 3/8"=1'-0"
PARALLEL FRAMING



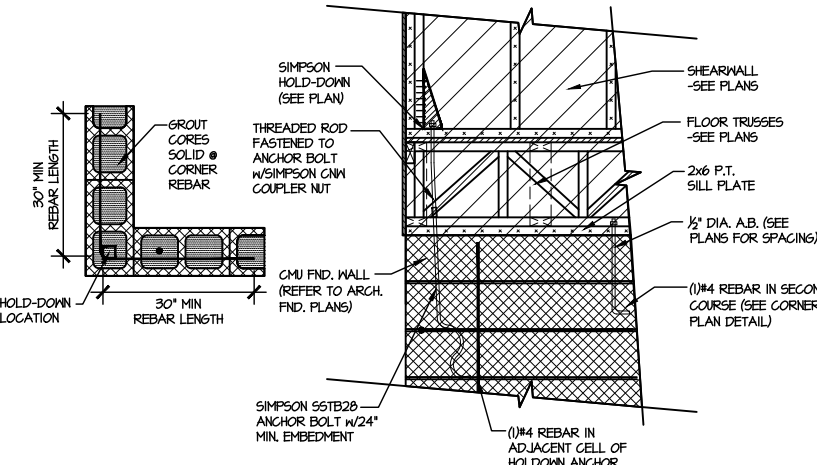
**TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ EXTERIOR WALL**
(C2) SCALE: 3/8"=1'-0"
PERPENDICULAR FRAMING



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



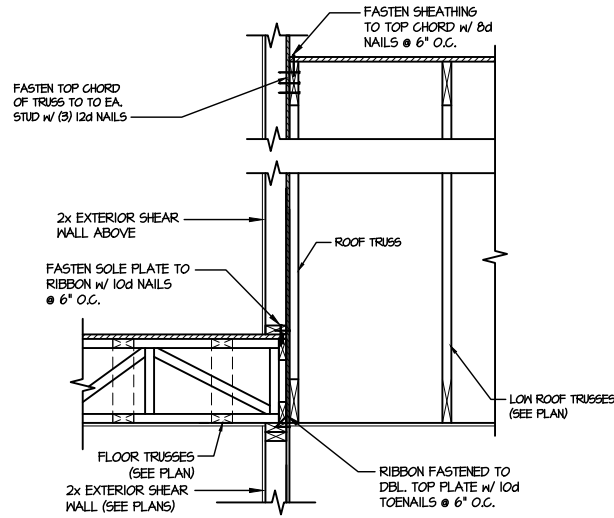
TYPICAL STEEL BEAM CONNECTION DETAIL
(E) SCALE: 3/4"=1'-0"



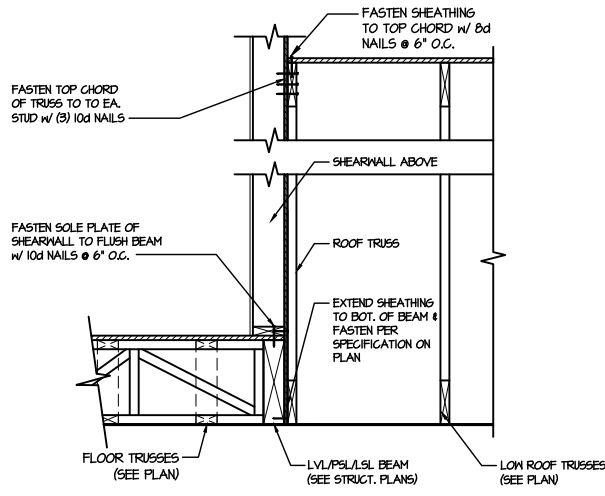
**TYPICAL CORNER FOUNDATION
HOLD-DOWN INSTALLATION**
(F3) SCALE: N.T.S.

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

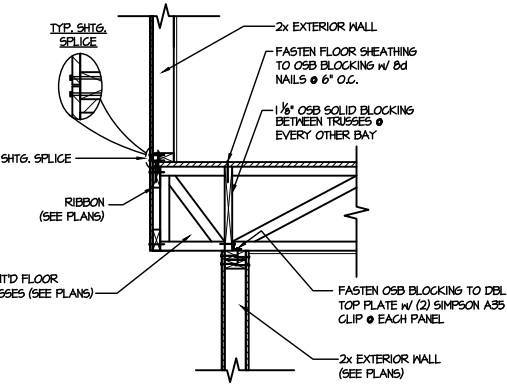
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



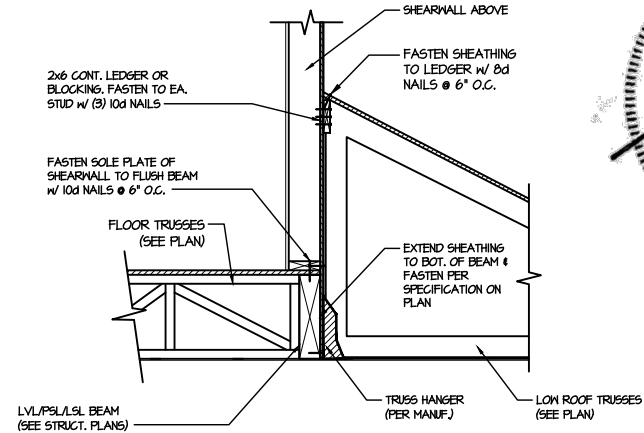
1 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



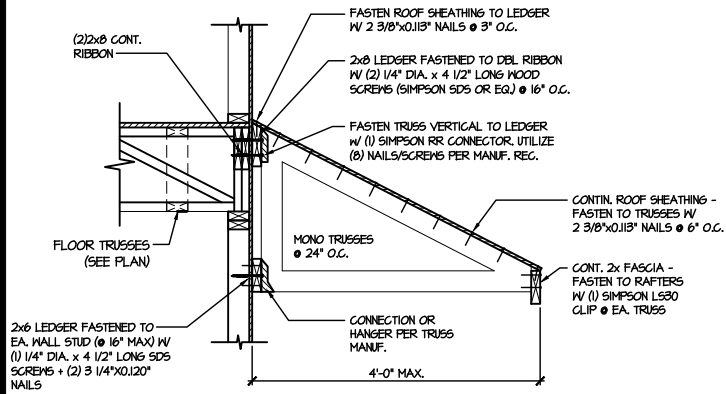
2 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



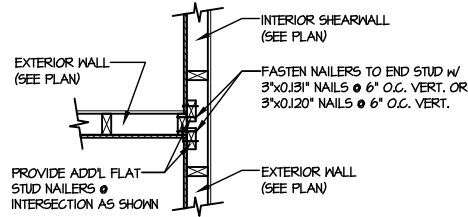
3 SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



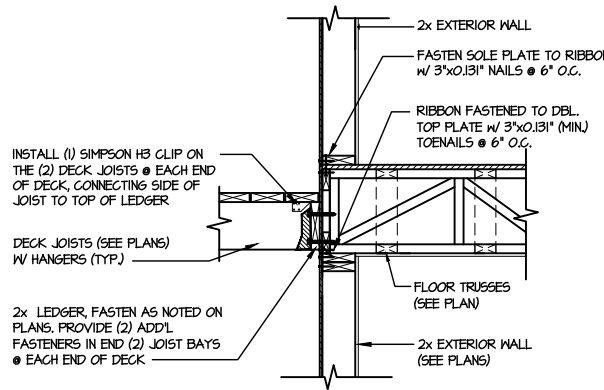
4 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



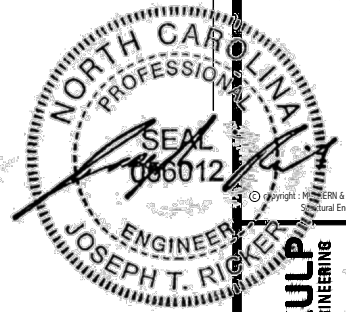
5 DETAIL @ SHED ROOF
SCALE: 3/8"=1'-0"



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



7 DECK CONNECTION DETAIL
SCALE: 3/4"=1'-0"



5/28/25

Copyright: MULHERN+KULP
Structural Engineering, Inc.

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Rembrandt Ave. Building 4 - Jambler, PA 15067
P: 715-948-8001 • mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

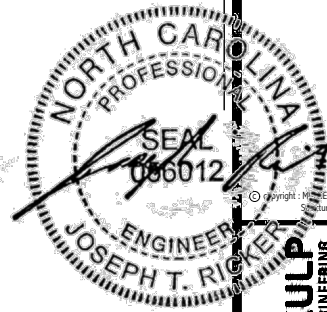
REVISIONS:
date: initial:

DRB
HOMES

FRAMING DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

SD2.1A



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remondale Ave. Building 4 - Jambler, PA 15067
P: 715-948-8001 • mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

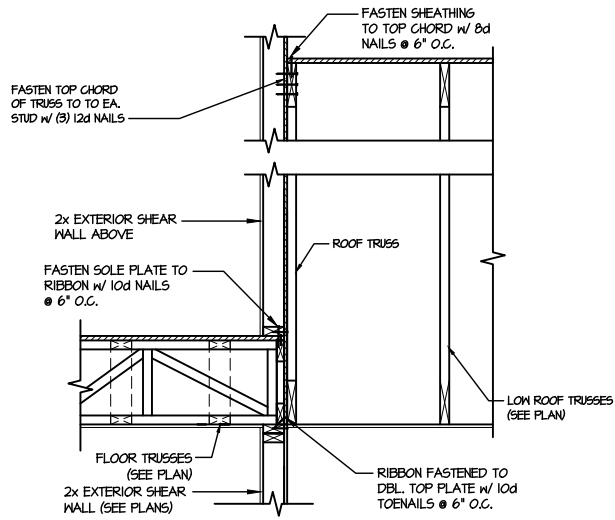
REVISIONS:
date: initial:

DRB HOMES

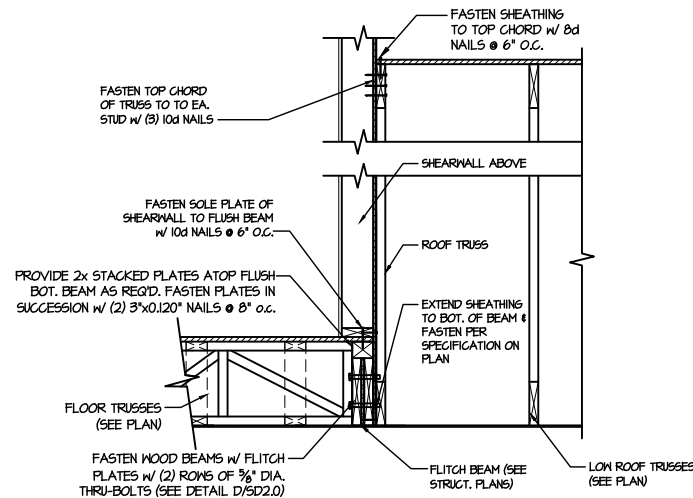
FRAMING DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

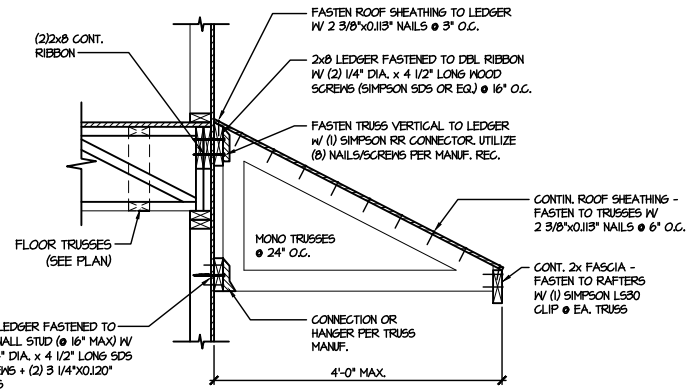
SD2.1B



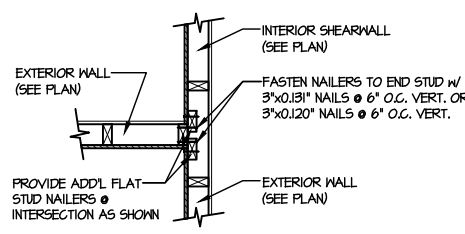
1 **TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



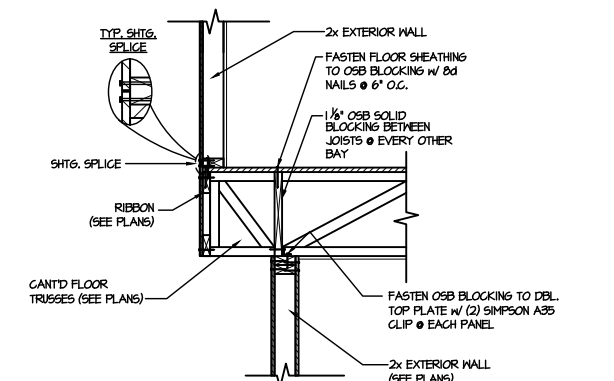
2 **SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



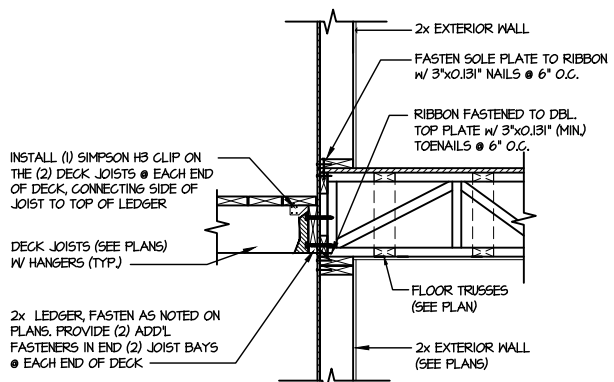
5 **DETAIL @ SHED ROOF**
SCALE: 3/8"=1'-0"



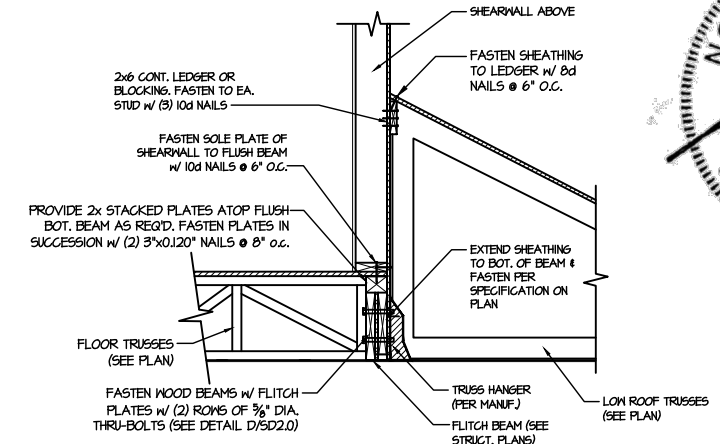
6 **SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL**
SCALE: 3/4"=1'-0"
SHTS. ON SAME PAGE



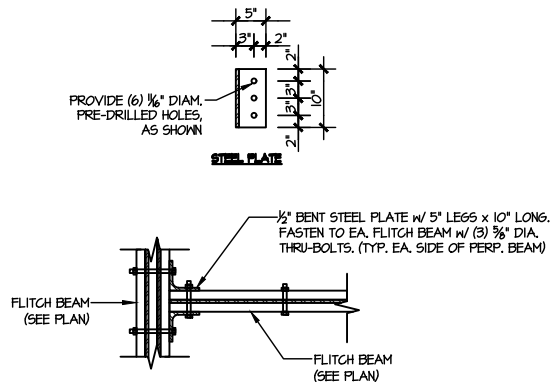
3 **SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL**
SCALE: 3/4"=1'-0"
PERPENDICULAR FRAMING



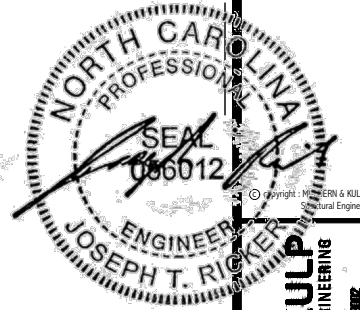
7 **DECK CONNECTION DETAIL**
SCALE: 3/4"=1'-0"



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



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



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
100
1000 Bankside Ave, Building 4 - Ambler, PA 19002
215-648-8001 • mulhern+kulp.com
NC LICENSE #C-3825



project number:
26-2306 1

JTR
 JAD
 05-22-25

initial:

--

--	--



T



100

Y

III

III

MM

5

CRS

JOHN

CONC

2-H,

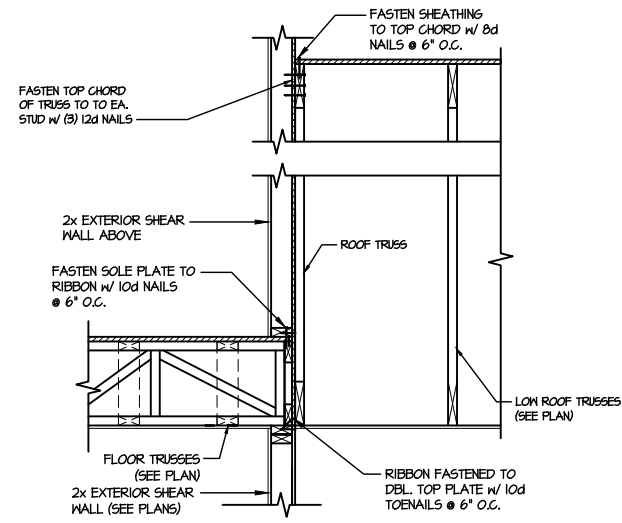
AKC

BL LO RA

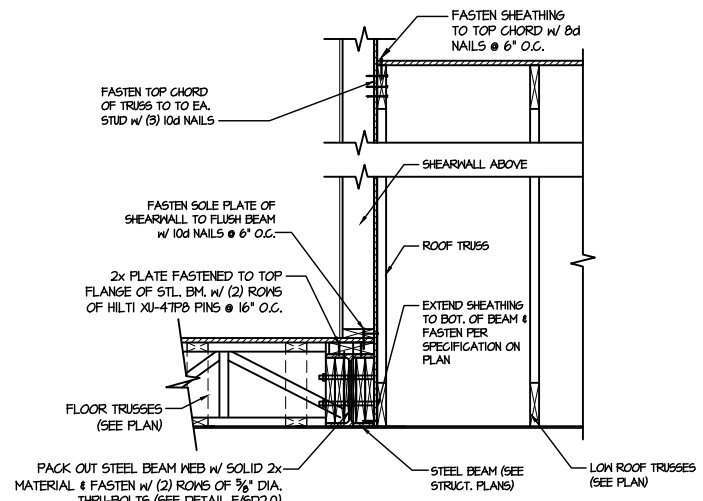
[illegible]

FD-31C

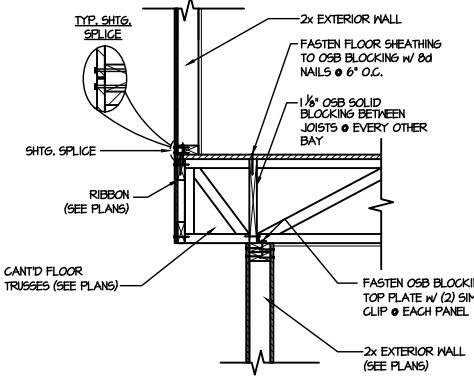
Discussion



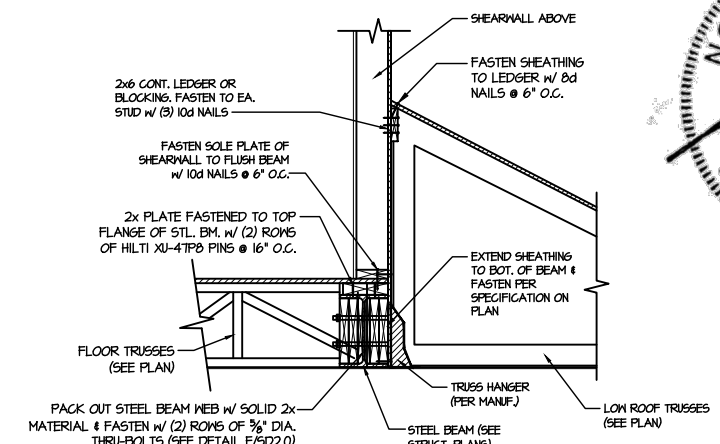
**TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



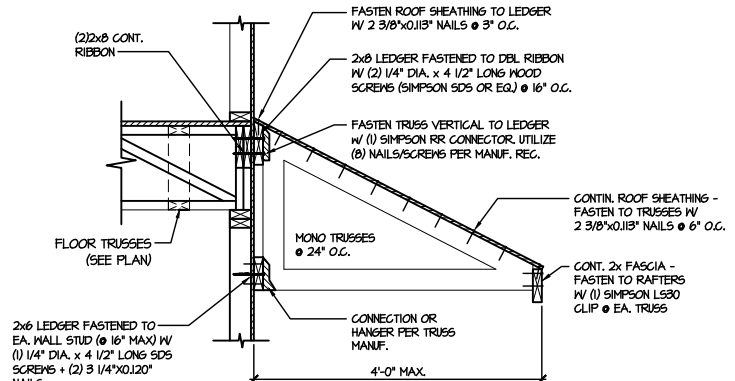
2 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



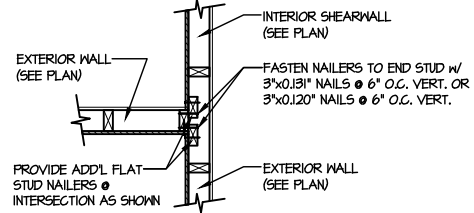
3 SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



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

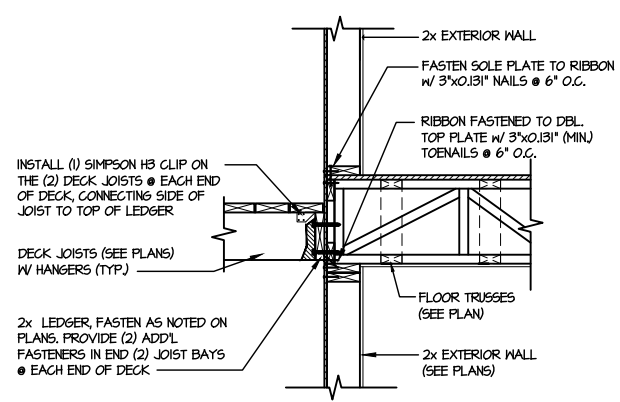


5 DETAIL @ SHED ROOF
SCALE: 3/8"=1'-0"

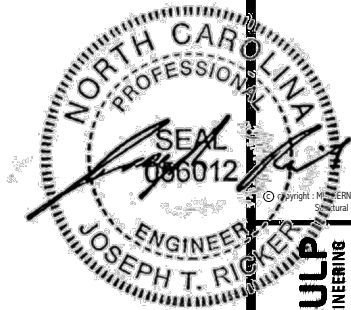


**SHEAR TRANSFER DETAIL @
INTERSECTING INT. SHEARWALL**

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



7 DECK CONNECTION DETAIL
SCALE: 3/4"=1'-0"



© Copyright: MULHERN + KULP
Structural Engineering, Inc.

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remick Ave. Building 4 - Asheville, PA 18002
P 715-948-8001 • mulhern+kulp.com
NC LICENSE HC-3825



M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

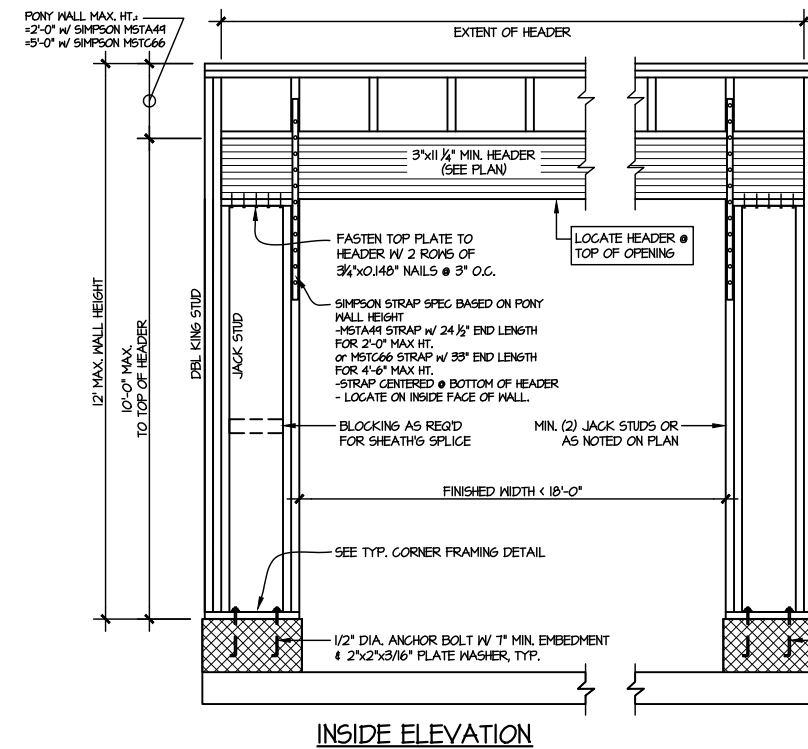
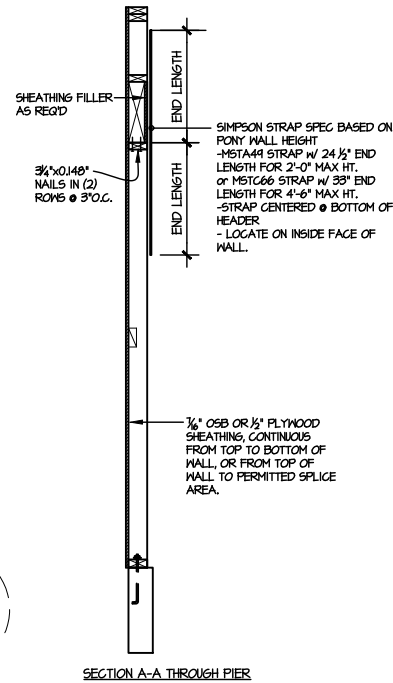
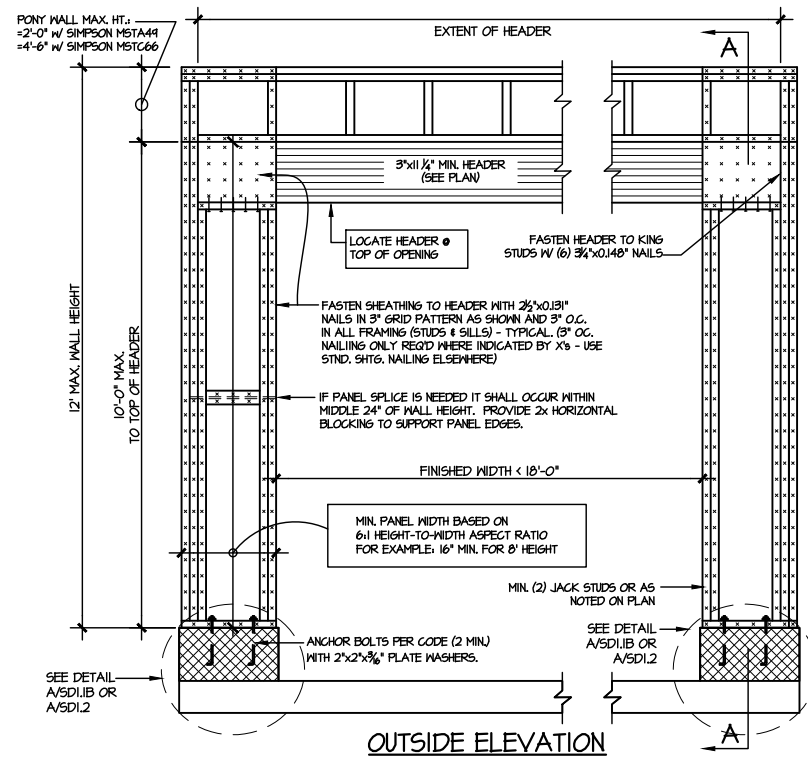
REVISIONS:
date: initial:

DRB
HOMES

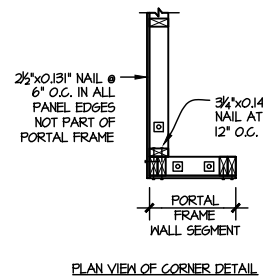
FRAMING DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:

SD2.2



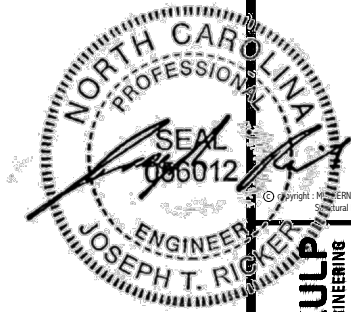
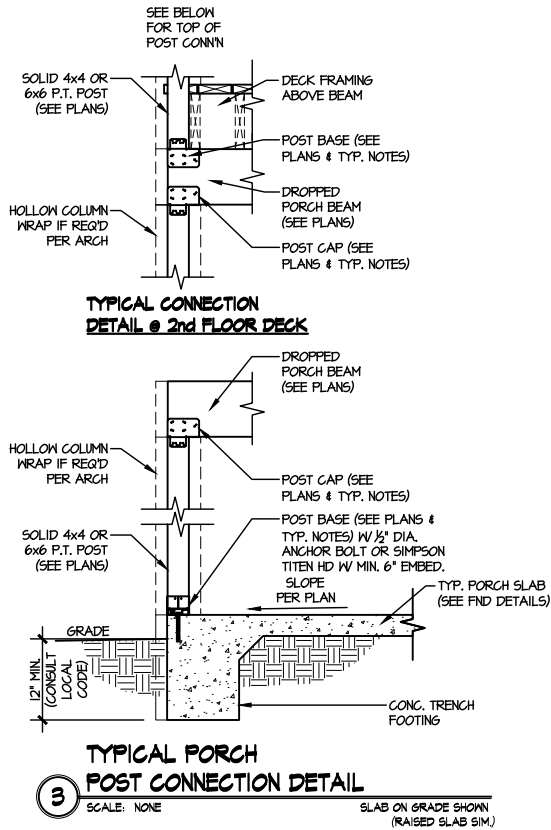
NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/4" OSB



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

1

SCALE: N.T.S.



seal: 5/28/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Remondale Ave. Building 4 - Asheville, NC 28802
P 215-948-5001 • mulhern+kulp.com
NC LICENSE #C-3825



M&K project number:
126-23061

project mgr: JTR
drawn by: JAD
issue date: 05-22-25

REVISIONS:
date: initial:

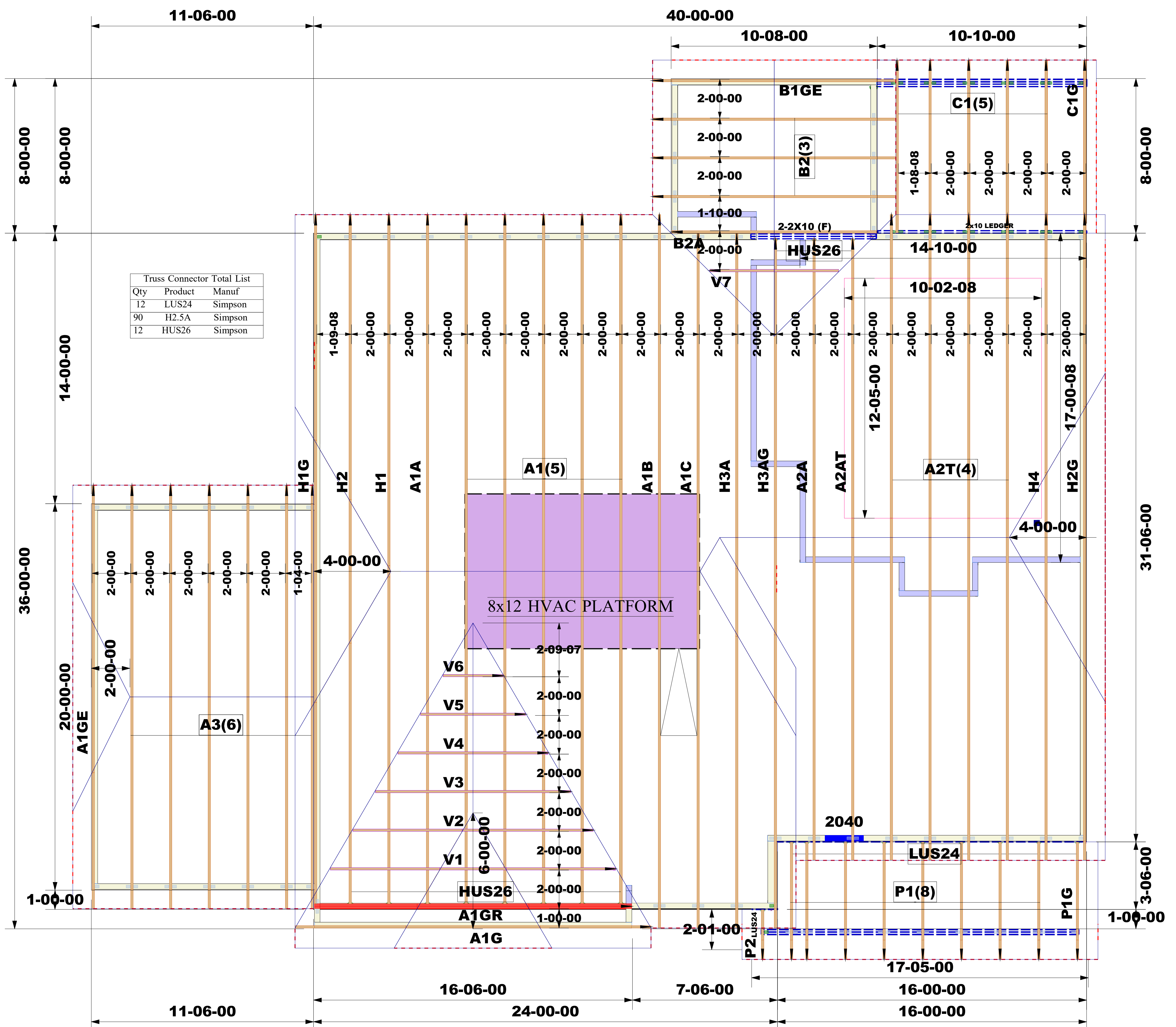
DRB
HOMES

FRAMING DETAILS
BLAKE POND COMMUNITY
LOT 102 - ELMHURST 5
RALEIGH, NC

sheet:
SD3.0

ROOF TRUSS LAYOUT

SCALE: NTS





*EXTERIOR DIMENSIONS ARE TO SHEATHING

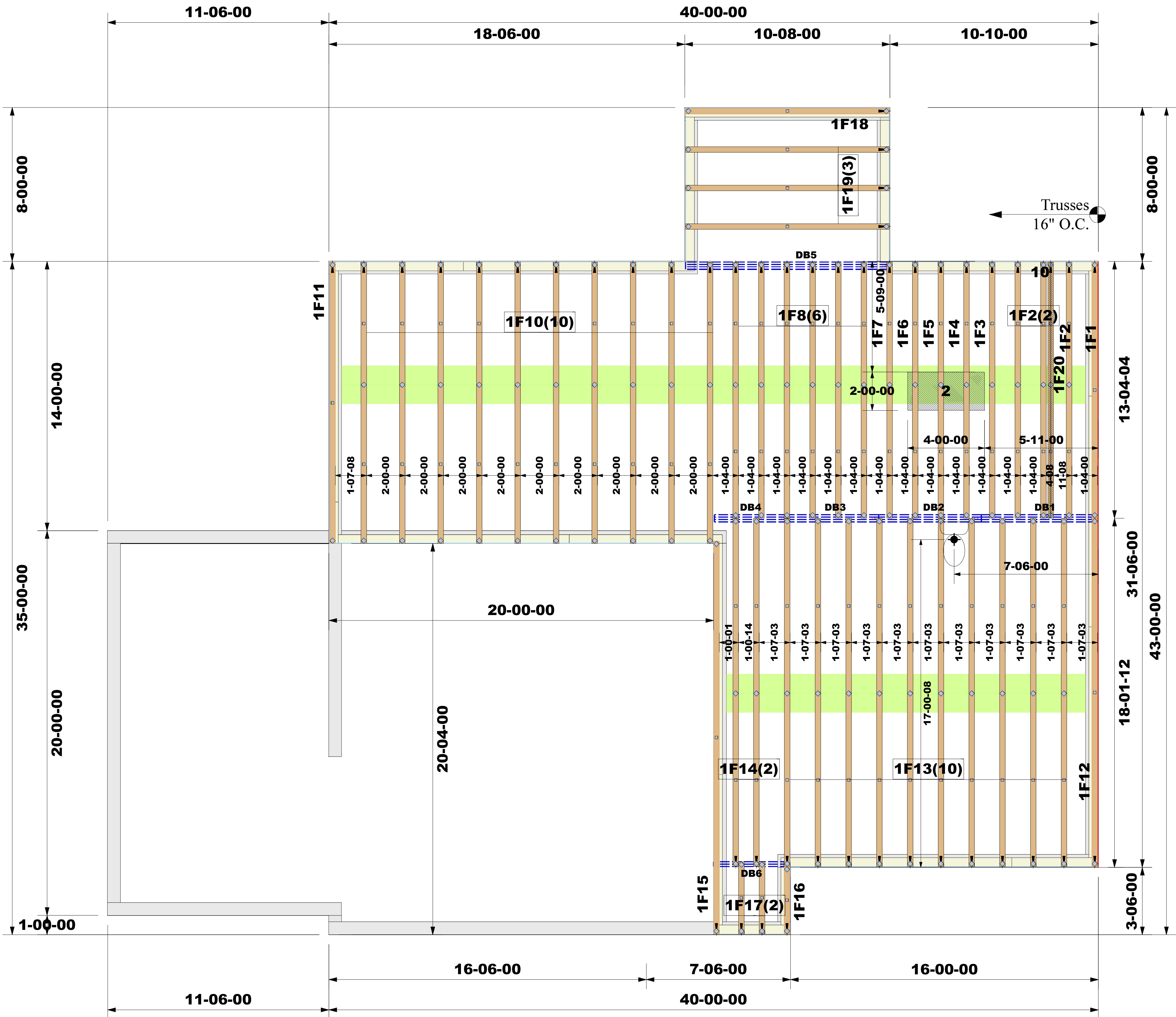
*INSTALL SIMPSON H2.5A HURRICANE ANCHORS AT EACH BEARING POINT

ROOF FRAMING PLAN

BLAKE POND SF LOT 102
(NC)(RAL)
2223-1 - ELMHURST
EL. 5
OPT.SCREENED PORCH
OPT.EXTENED BREAKFAST
OPT.SITTING ROOM
OPT.3 CAR GARAGE
OPT.TRAY CEILING OWNER'S BEDROOM
GARAGE LEFT

Job #:	2505-7437	<p>WARNING:</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 TOPPLING AND DOWNING DURING ERECTION. 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>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 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 00.0102 Roof</p> <p>Lot #: 00.0102</p> <p>Model Name: Elmhurst Rev 3</p>	 <p>Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591</p> 
--------	-----------	---	--	---	---



OPEN WEB FLOOR TRUSS LAYOUT
SCALE: NTS



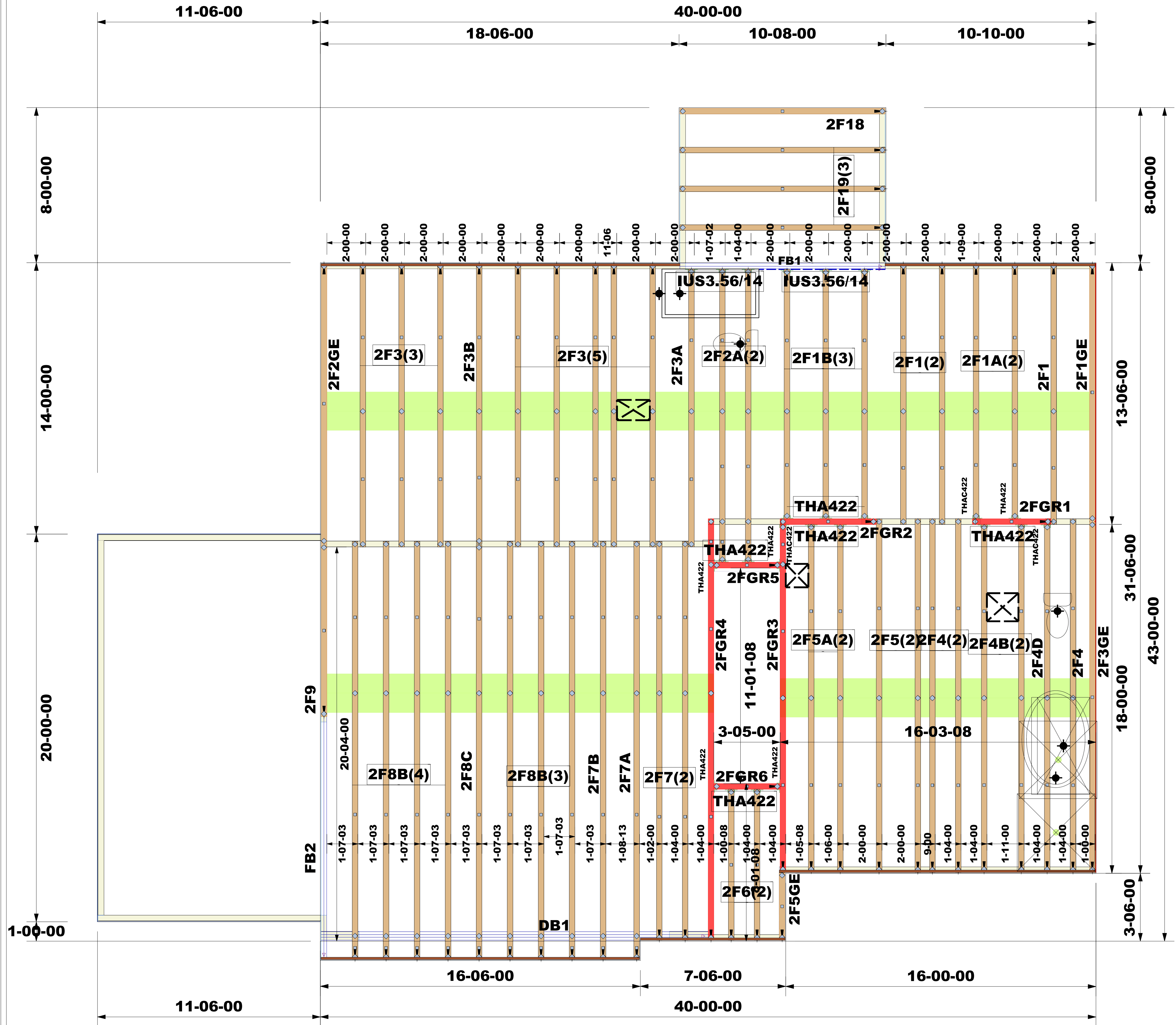
1ST FLOOR FRAMING

*EXTERIOR DIMENSIONS ARE TO SHEATHING.
*INSTALLATION OF STRONGBACKS RECOMMENDED (NOT REQUIRED).
*INSTALL 2X4 NAILERS ON ALL TOP RIBBON NOTCH CONDITIONS.

BLAKE POND SF LOT 102
(NC)(RAL)
2223-1 - ELMHURST
EL. 5
OPT.SCREENED PORCH
OPT.EXTENDED BREAKFAST
OPT.SITTING ROOM
OPT.3 CAR GARAGE
GARAGE LEFT/CRAWL

Job #: 2505-7436 Designer: Sandy Das 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	 Third-Party Quality Assurance Licensee TPI Plant W974 Structural, LLC 201 Poplar Avenue Thurmont, MD 21788 Phone: 301-271-7591	
			Job Name: Blake Pond Lot 00.0102 OWF		
			Lot #: 00.0102		
			Model Name: Elmhurst Rev.3		

OPEN WEB FLOOR TRUSS LAYOUT
SCALE: NTS



2ND FLOOR FRAMING

*EXTERIOR DIMENSIONS ARE TO SHEATHING.
*INSTALLATION OF STRONGBACKS RECOMMENDED (NOT REQUIRED).
*INSTALL 2X4 NAILERS ON ALL TOP RIBBON NOTCH CONDITIONS.

Truss Connector Total List			
Qty	Product	Manuf	
6	IUS3.56/14	Simpson	
16	THA422	Simpson	
3	THAC422	Simpson	

Products					
Net Qty	Plies	Product	Length	PlotID	
2	2	1 3/4" x 14" (2.0E 3100) LVL	12'-00"-00	FB1	
3	3	1 3/4" x 16" (2.0E 3100) LVL	20'-00"-00	DB1	
2	2	1 3/4" x 14" (2.0E 3100) LVL	13'-00"-00	FB2	

BLAKE POND SF LOT 102
(NC)(RAL)
2223-1 - ELMHURST
EL. 5

OPT.SCREENED PORCH
OPT.EXTENDED BREAKFAST
OPT.SITTING ROOM
OPT.3 CAR GARAGE
GARAGE LEFT/CRAWL

Job #:

2505-7436

Designer:

Sandy Das

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: Blake Pond Lot 00.0102 OWF

Lot #: 00.0102

Model Name: Elmhurst Rev.3



Third-Party Quality Assurance Licensee
TPI Plant W974

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

