

TOWNSEND-RALE

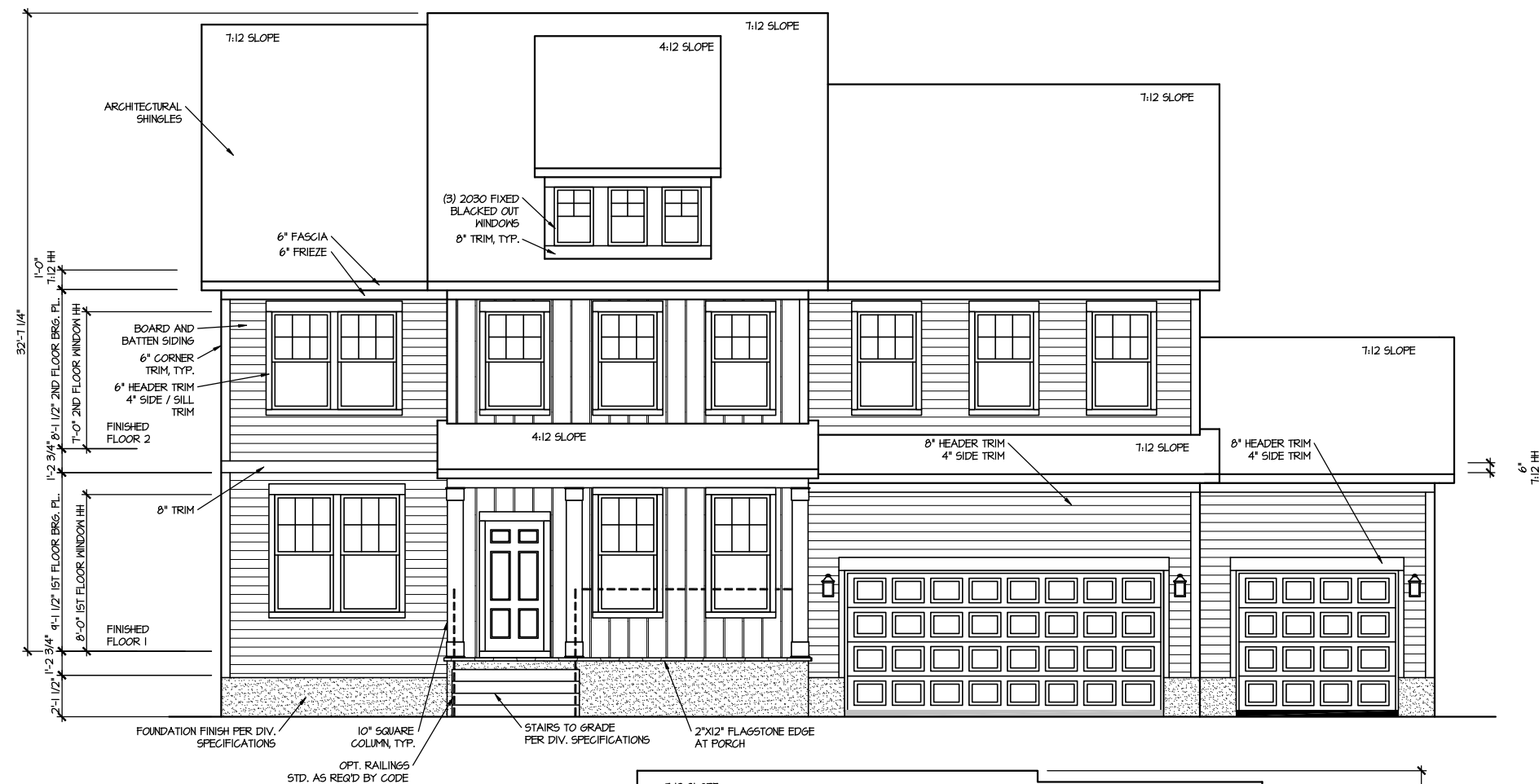
RALEIGH- LOT 00.0013 HONEYCUTT HILLS SF

(MODEL# 3501)

ELEVATION 2 - GR

311 Shelby Meadow Lane

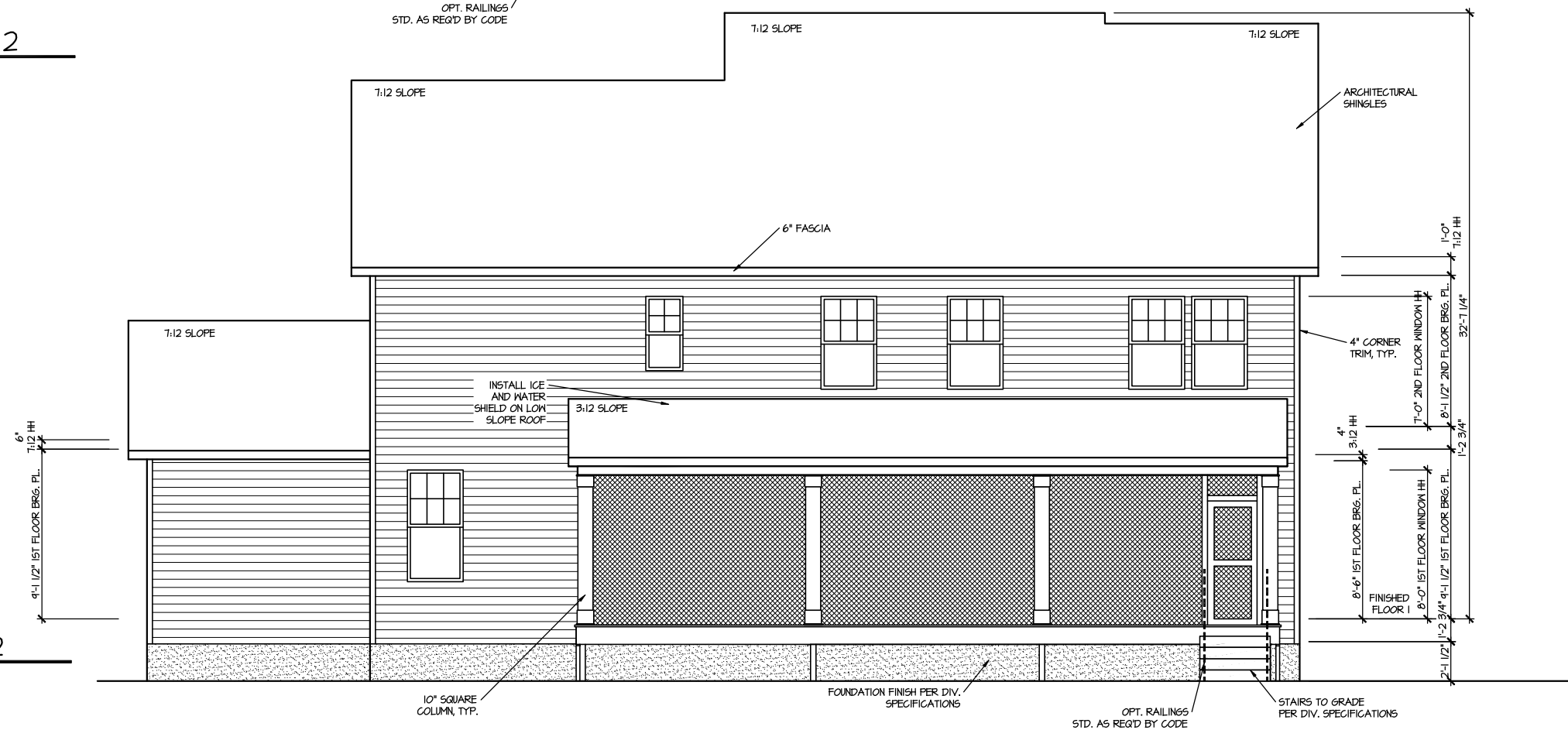
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FRONT ELEVATION 2

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

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



REAR ELEVATION 2

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

MASTER PLAN INFORMATION	
REVISION	DATE
1 -RALE	12-11-2023

DRAWN BY:	ITS
DATE:	02/19/2025
PLAN NO.	3501



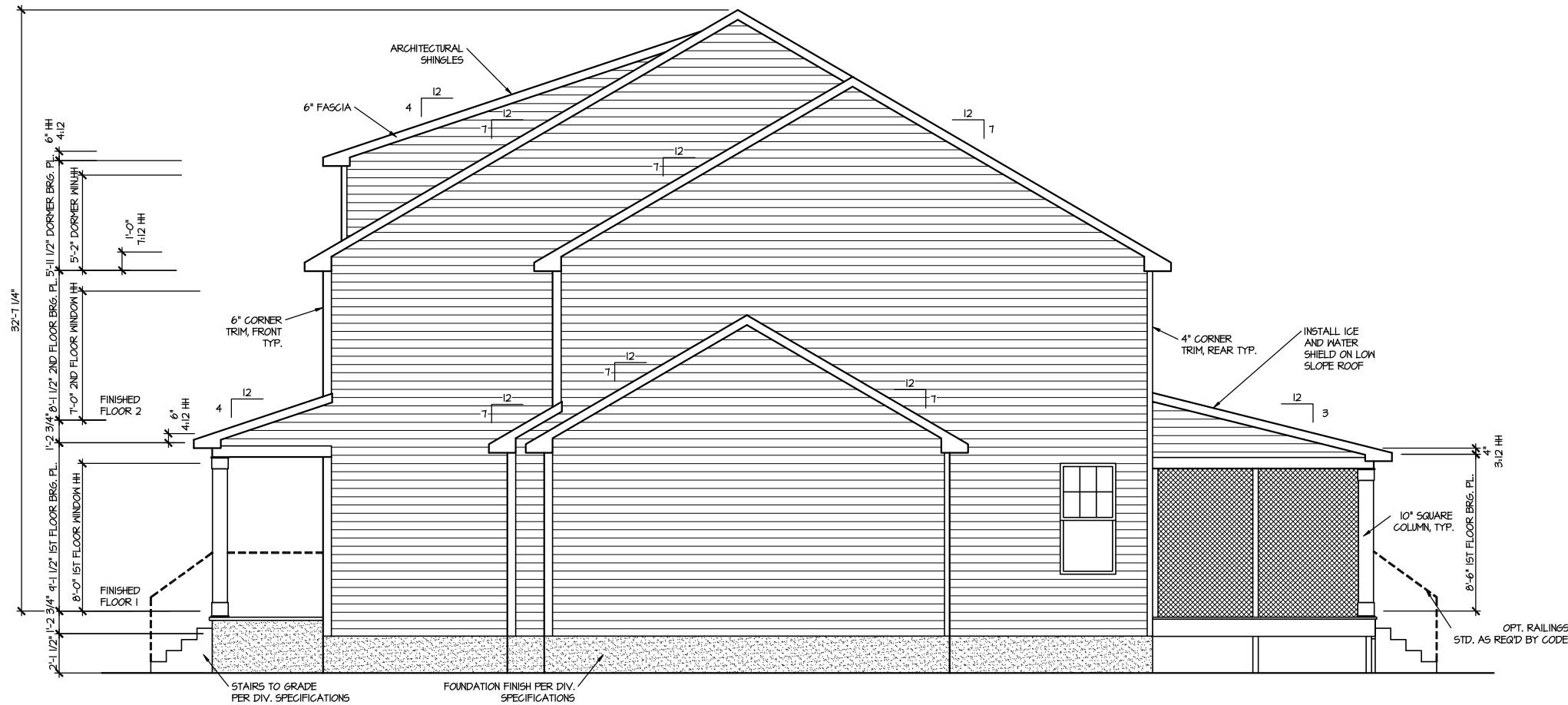
HOUSE NAME: **TOWNSEND**
DRAWING TITLE: **FRONT & REAR ELEVATIONS**

SHEET No.

FILE: Lot_00.00013.dwg DATE: 2/19/2025 10:50 AM

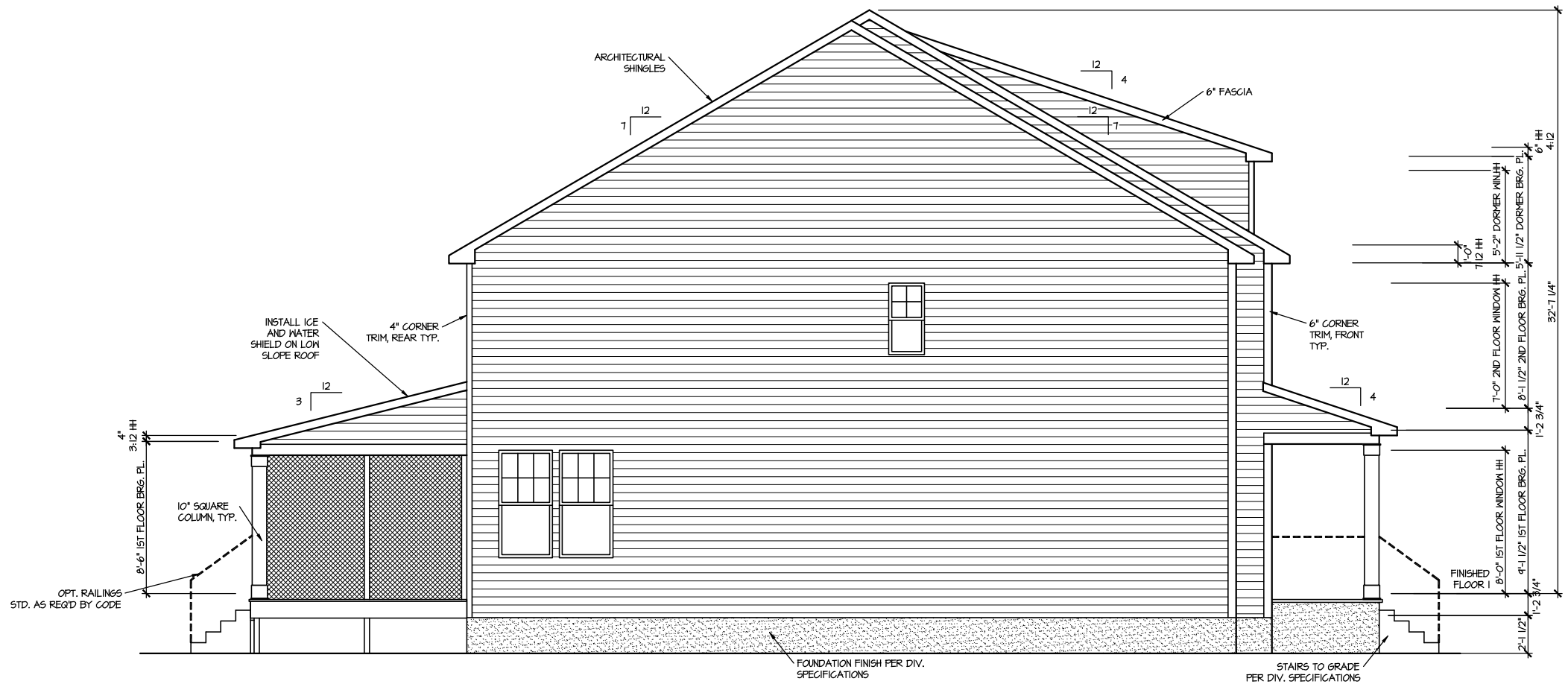
RIGHT ELEVATION 2

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



LEFT ELEVATION 2

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



MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

DRAWN BY: ITS

DATE: 02/19/2025

PLAN NO. 3501

DRB
HOMES

HOUSE NAME:
TOWNSEND

DRAWING TITLE

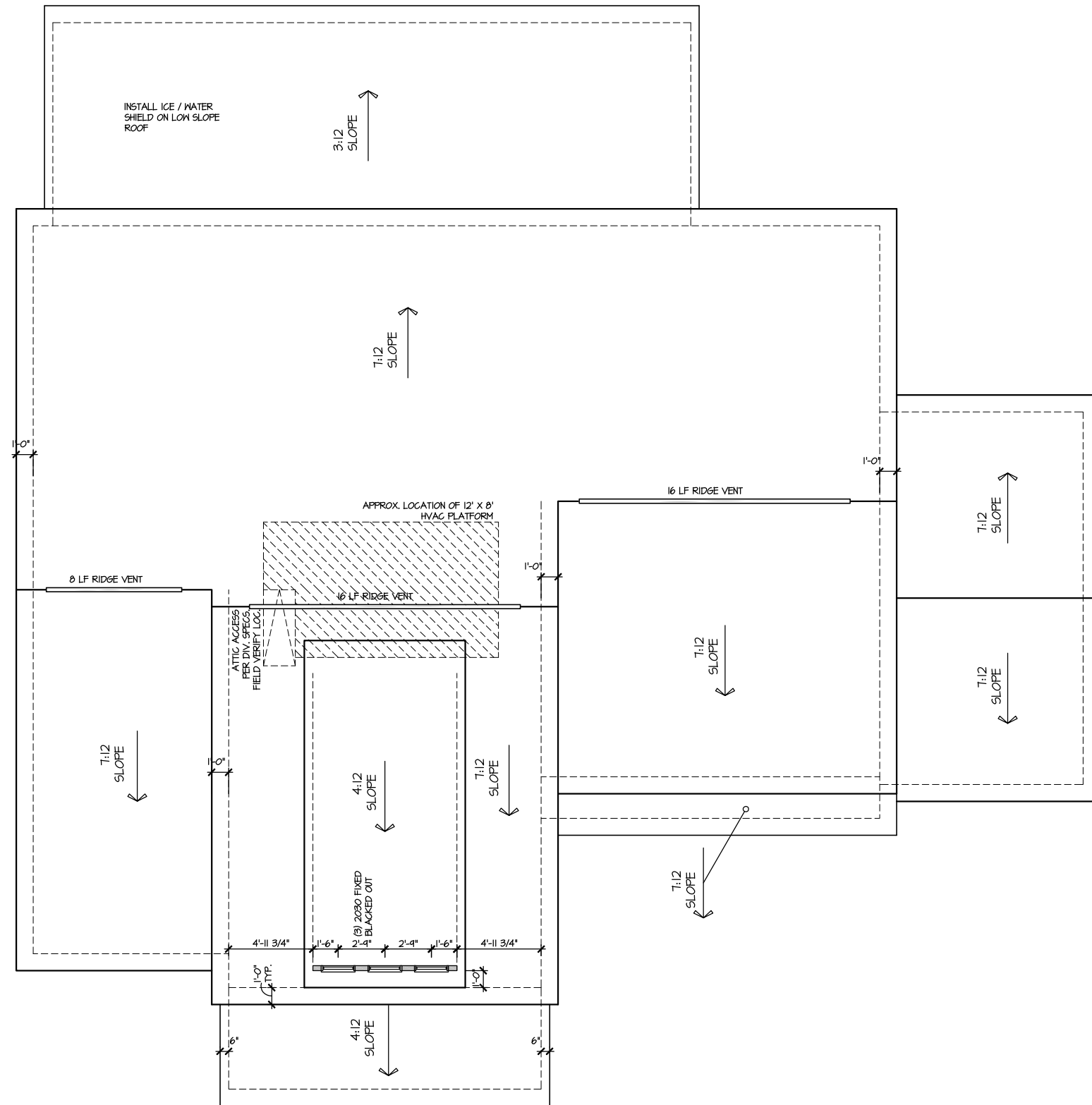
RIGHT & LEFT ELEVATIONS

SHEET No.

A1.2

ROOF AREA = 2101 SQ. FT.
OVERALL REQUIRED VENTILATION:
 1 TO 150 = 14.01 SQ. FT.
 1 TO 300 = 7.00 SQ. FT.
 50-80% IN TOP THIRD = 3.50 - 5.60 SQ. FT. (1 TO 300)
 NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT.
 NET FREE AREA OF RIDGE VENT = 18 SQ. IN / LINEAR FT.

LOWER VENTING: (BOTTOM 2/3 RDS)
100 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 3.96 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
40 LINEAR FEET OF RIDGE X 18 SQ. IN. = 5.0 SQ. FT.
5.0 SQ. FT. BETWEEN 50% - 80%
(1 TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 8.96 SQ. FT. > 7.00 SQ. FT. (REQ'D)



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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

DRAWN BY: ITS
DATE: 02/19/2025
PLAN NO. 3501

The logo for DRM Homes, featuring the letters "DRM" in a large, bold, black sans-serif font, with the word "HOMES" in a smaller, blue, sans-serif font to its right.

HOUSE NAME:	TOWNSEND
DRAWING TITLE	ROOF PLAN

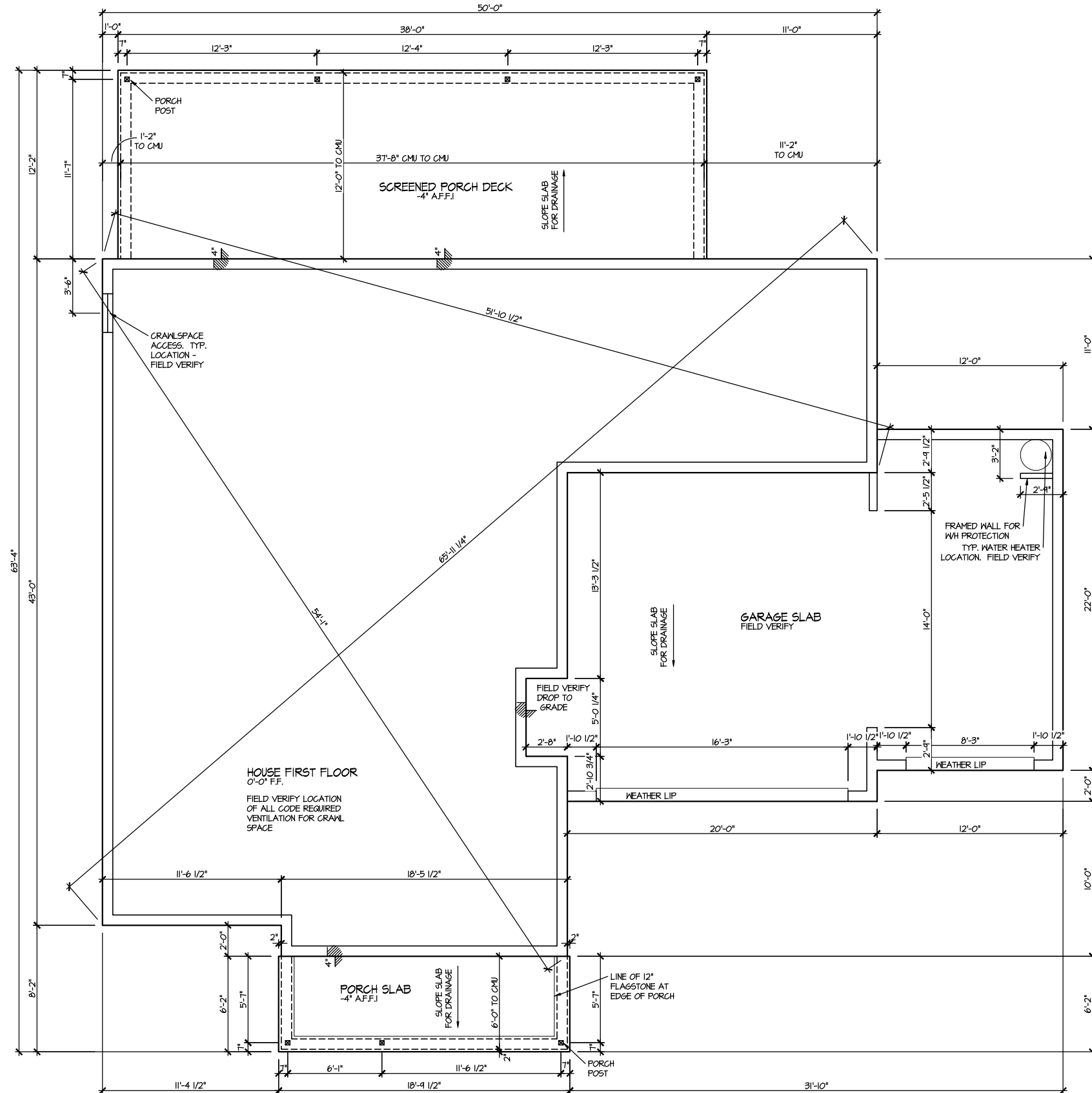
SHEET No.

A | 3

FILE: Lot_00.00013.dwg DATE: 2/19/2025 10:50 AM

ELEVATION 2 CRAWL SPACE PLAN

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



MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

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DATE:	02/19/2025
PLAN NO.	3501



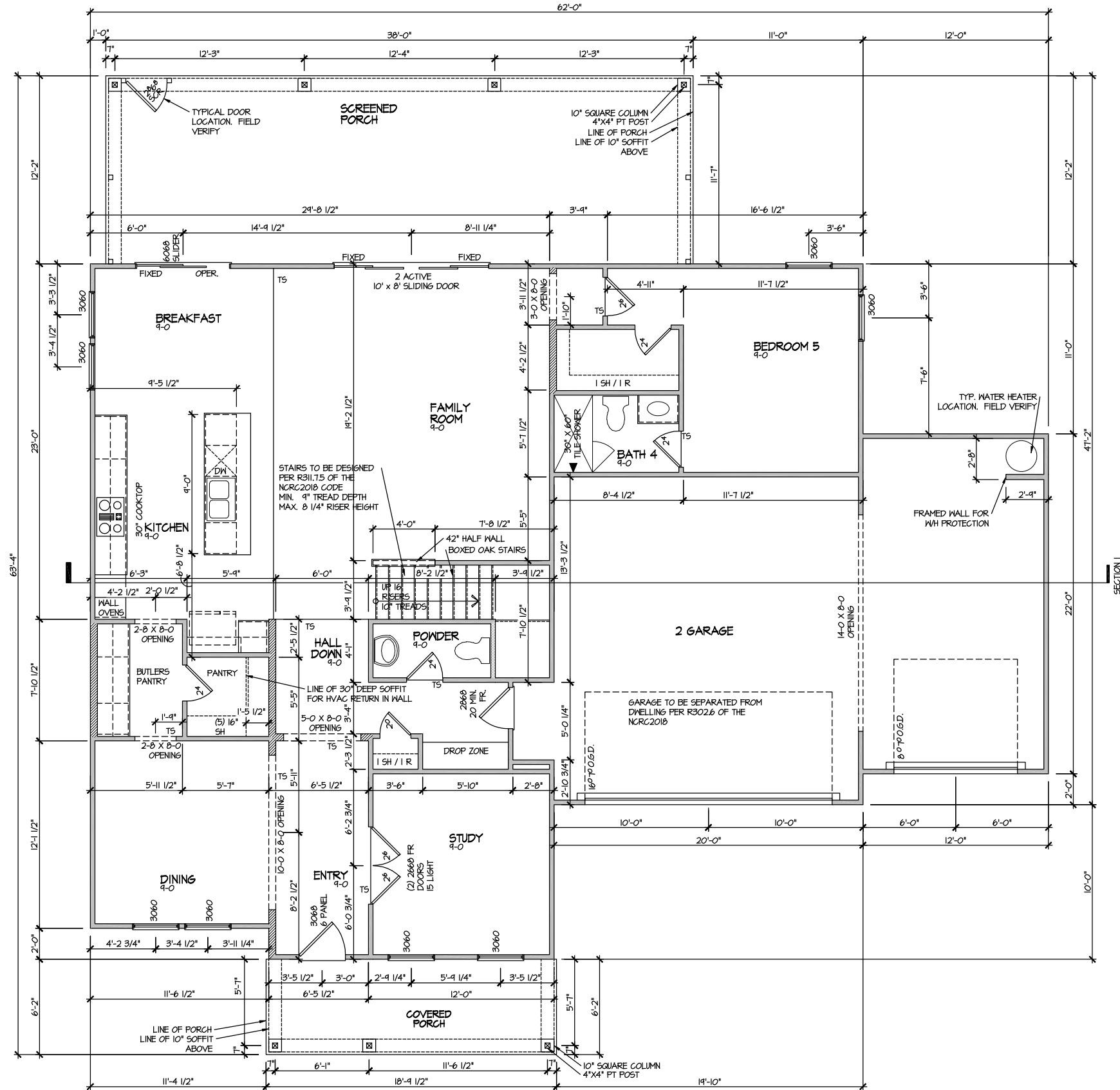
HOUSE NAME:	TOWNSEND
DRAWING TITLE	CRAWL SPACE PLAN

SHEET No.
A2.1

FILE: Lot_00.00013.dwg DATE: 2/19/2025 10:50 AM

ELEVATION 2 FIRST FLOOR PLAN

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



MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

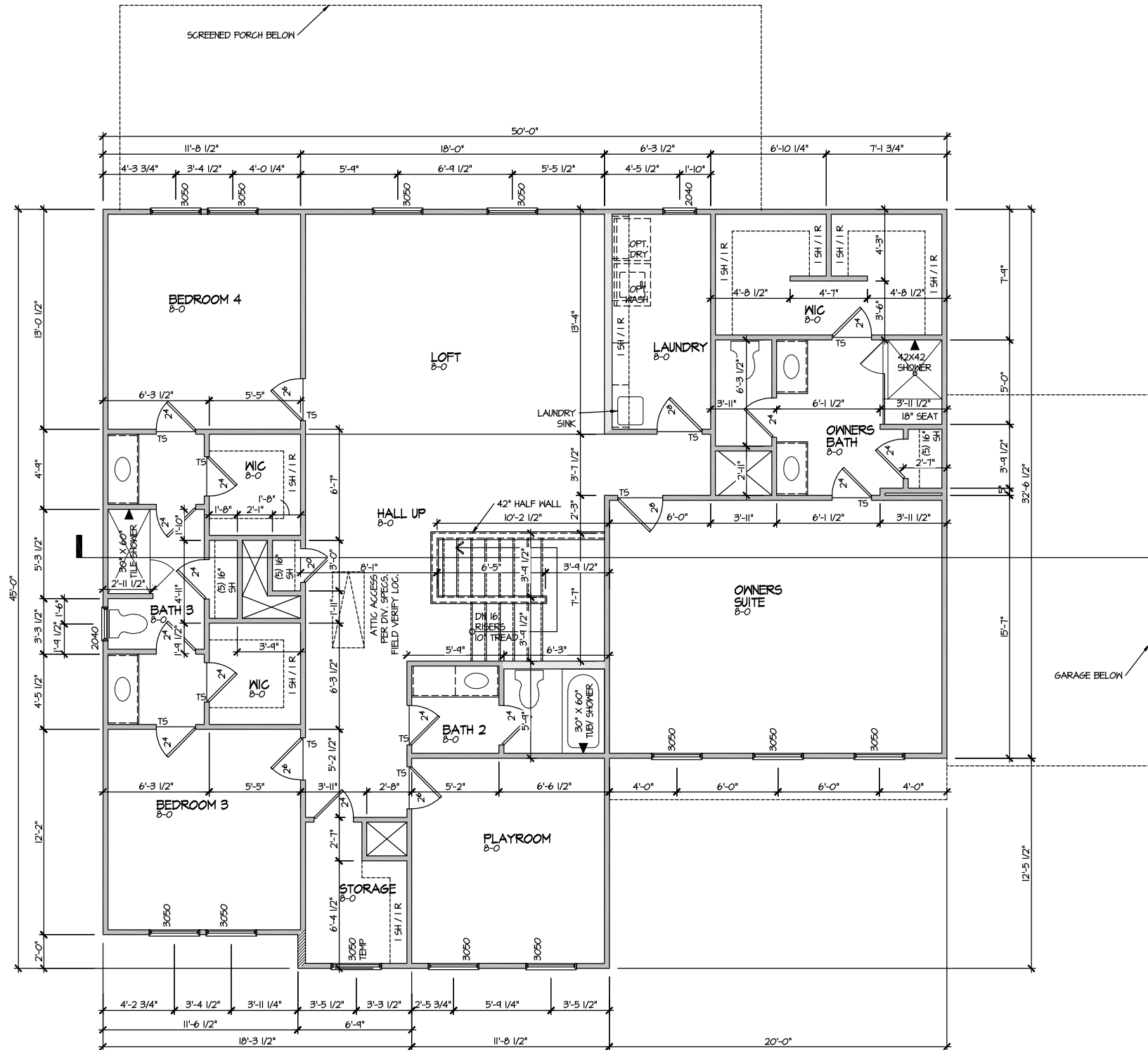
DRAWN BY:	ITS
DATE:	02/19/2025
PLAN NO.	3501



HOUSE NAME:
TOWNSEND
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No.
A3.1

ELEVATION 2
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



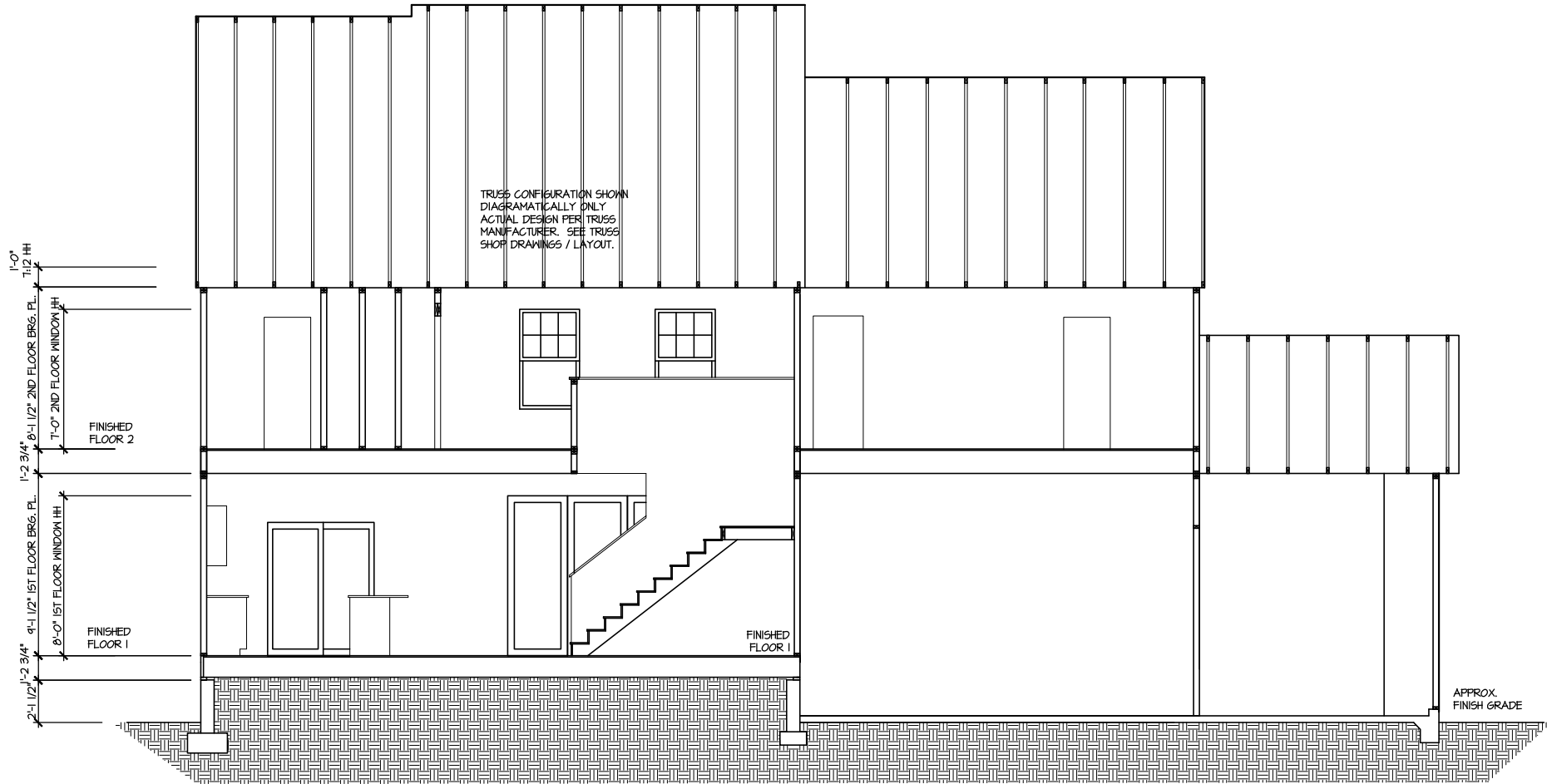
MASTER PLAN INFORMATION			
REVISION	DATE	UPDATED DATE	
1-RALE	12-11-2023	07-01-2024	

DRAWN BY:	ITS
DATE:	02/19/2025
PLAN NO.	3501



HOUSE NAME:	TOWNSEND
DRAWING TITLE	SECOND FLOOR PLAN

SHEET No.	A3.2
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SECTION I
SCALE: 1/8" = 1'-0"

DRAWN BY: ITS
DATE: 02/19/2025
PLAN NO. 3501

DRB
HOMES

HOUSE NAME:
TOWNSEND
DRAWING TITLE
BUILDING SECTION

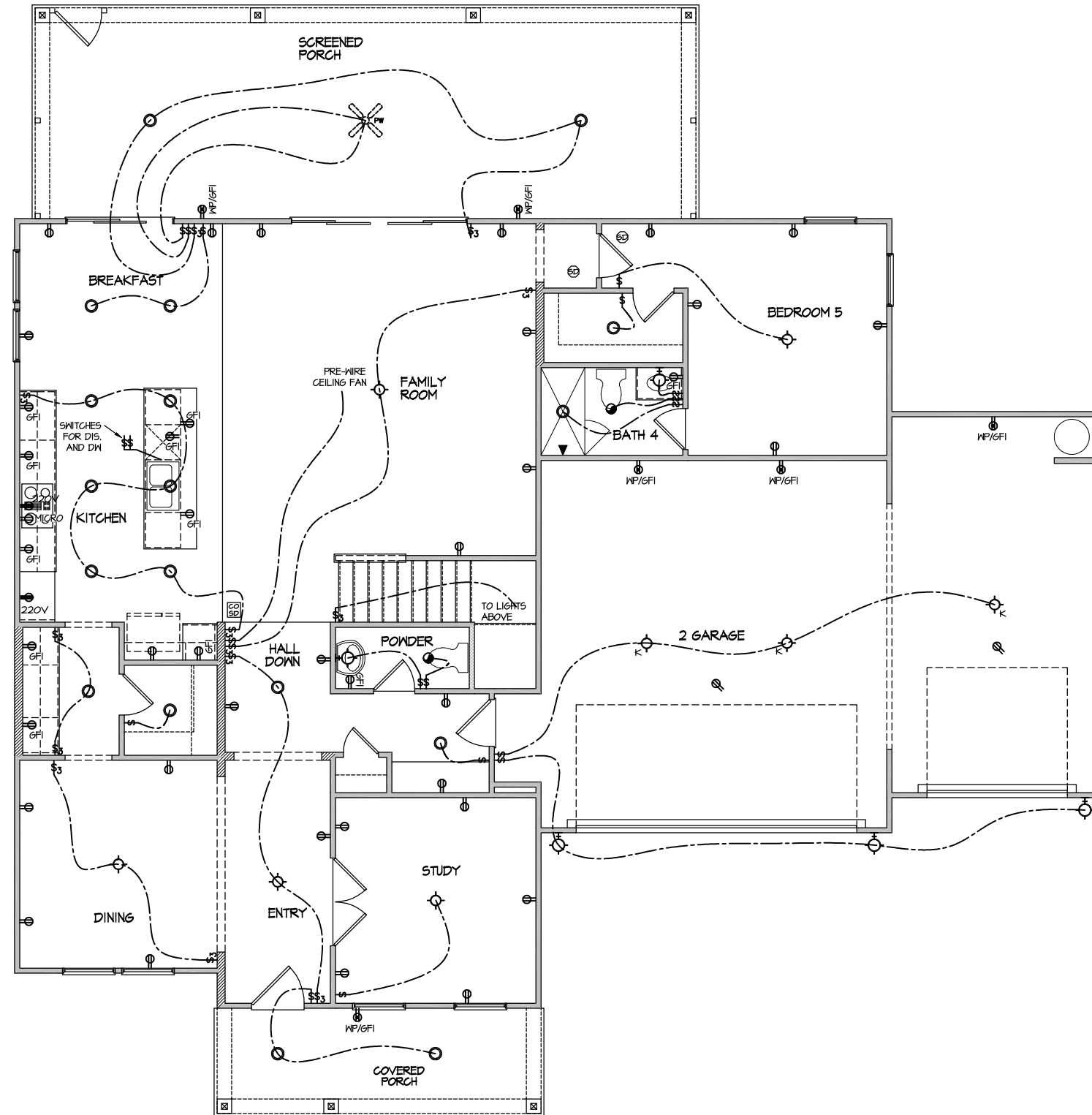
SHEET No.
A4.1

MASTER PLAN INFORMATION

REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

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

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.



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

MASTER PLAN INFORMATION		
REVISION	DATE	UPDATED DATE
1-RALE	12-11-2023	07-01-2024

DRAWN BY:	ITS
DATE:	02/19/2025
PLAN NO.	3501



HOUSE NAME: **TOWNSEND**

DRAWING TITLE: **FIRST FLOOR ELECTRICAL**

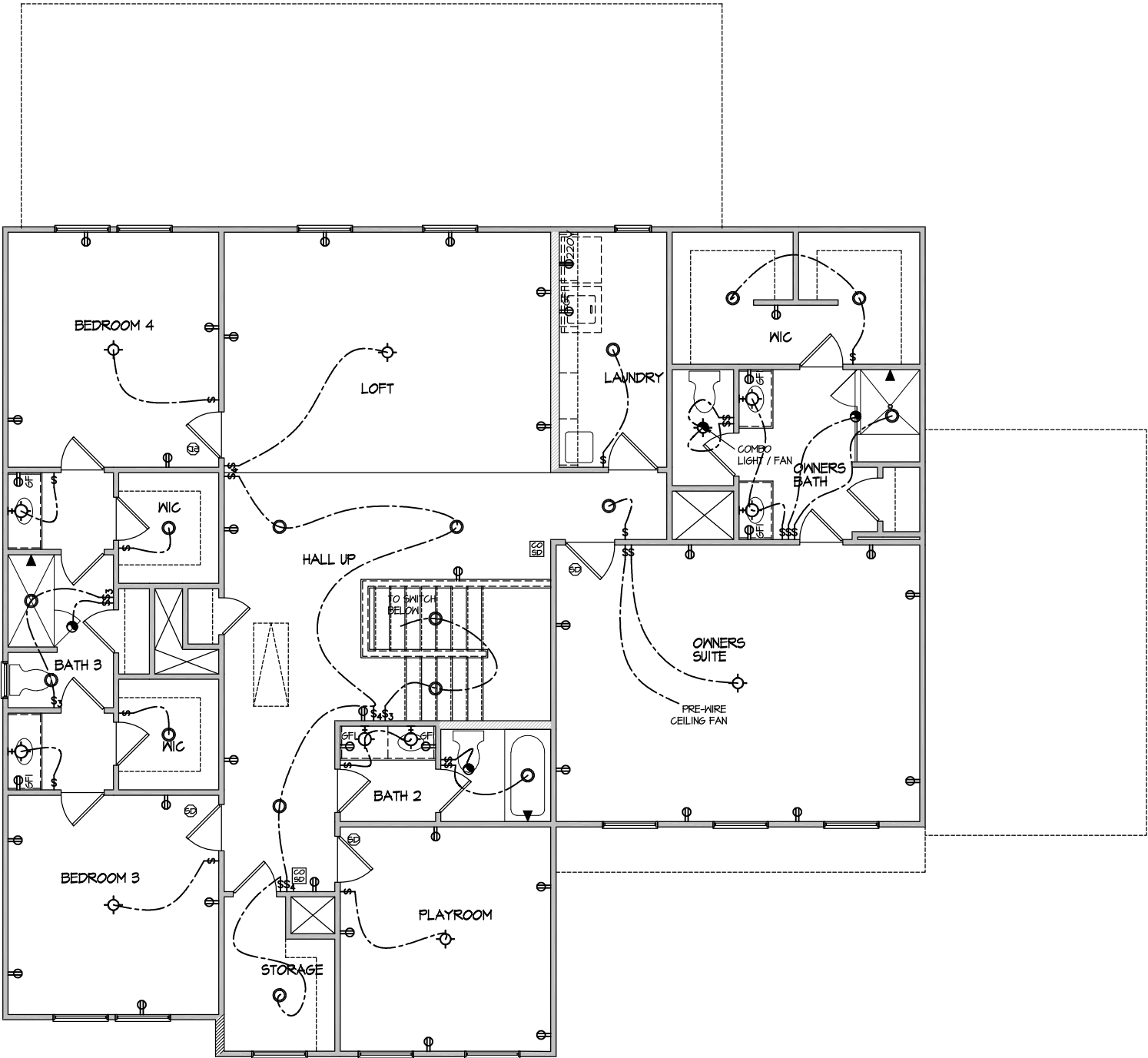
SHEET No.



ELECTRICAL LEGEND

- ⌚ SINGLE POLE SWITCH
- ⌚₃ THREE WAY SWITCH
- ⌚₄ FOUR WAY SWITCH
- ⌚- DUPLEX AFCI RECEPTACLE
- ⌚- DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⌚- DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V ⌚- RECEPTACLE - 220V
- ⌚- DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI ⌚- DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⌚- SMOKE DETECTOR - WIRED IN SERIES
- ⌚- EXHAUST FAN MOTOR
- ⌚- TV JACK
- ⌚- TV JACK
- ⌚- CO / SMOKE DETECTOR
- ⌚- DOOR CHIME
- ⌚- LIGHT FIXTURE - WALL MOUNTED
- ⌚- LIGHT FIXTURE - CEILING MOUNTED
- ⌚- LIGHT FIXTURE - SURFACE MOUNTED LED
- ⌚- P FULLCHAIN LAMPHOLDER
- ⌚- K KEYLESS LAMPHOLDER
- ⌚- MOTION SENSOR FLOOD LIGHT

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

FILE: Lot_00.00013.dwg DATE: 2/19/2025 10:50 AM

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	
1-RALE	12-11-2023	07-01-2024

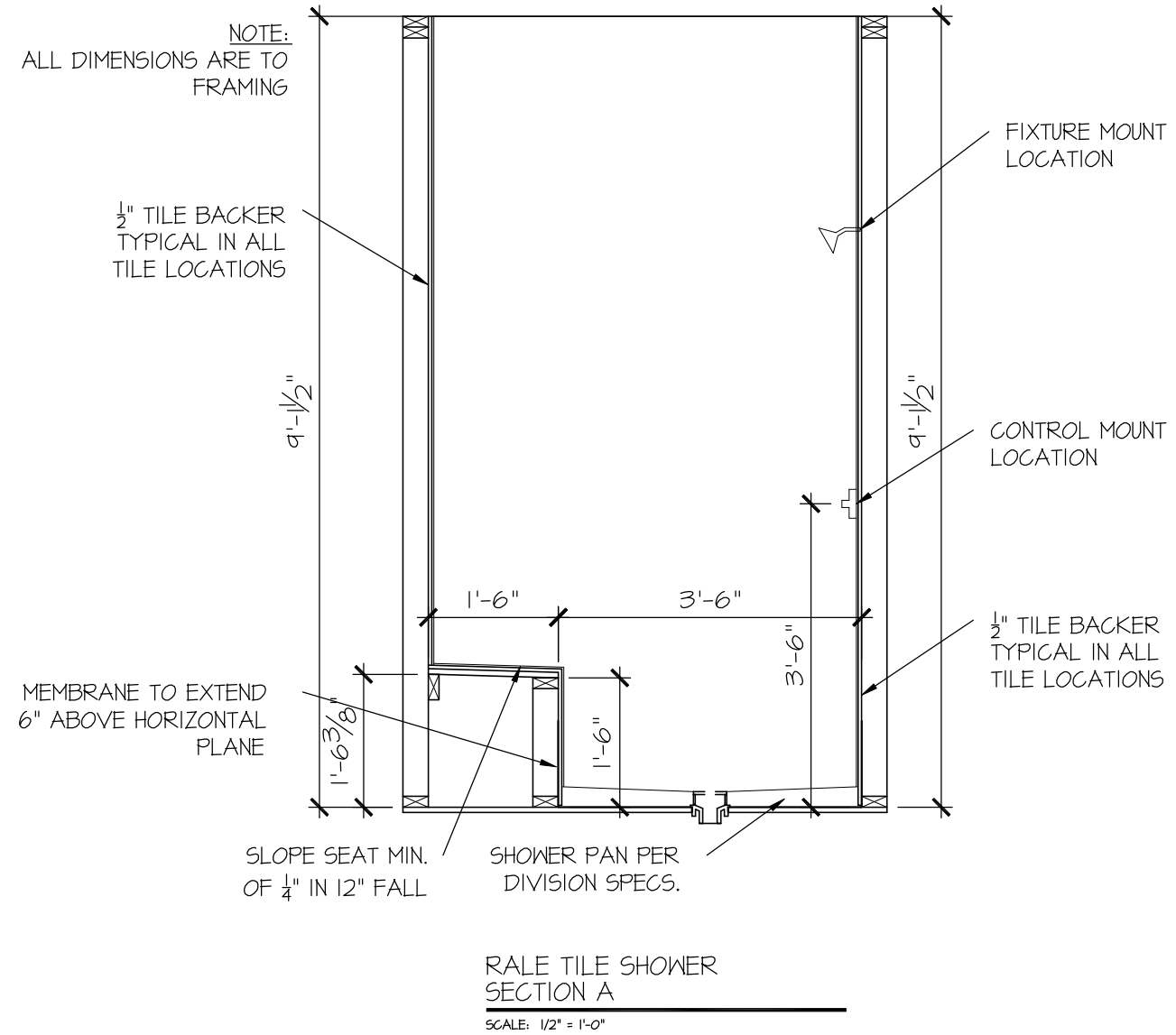
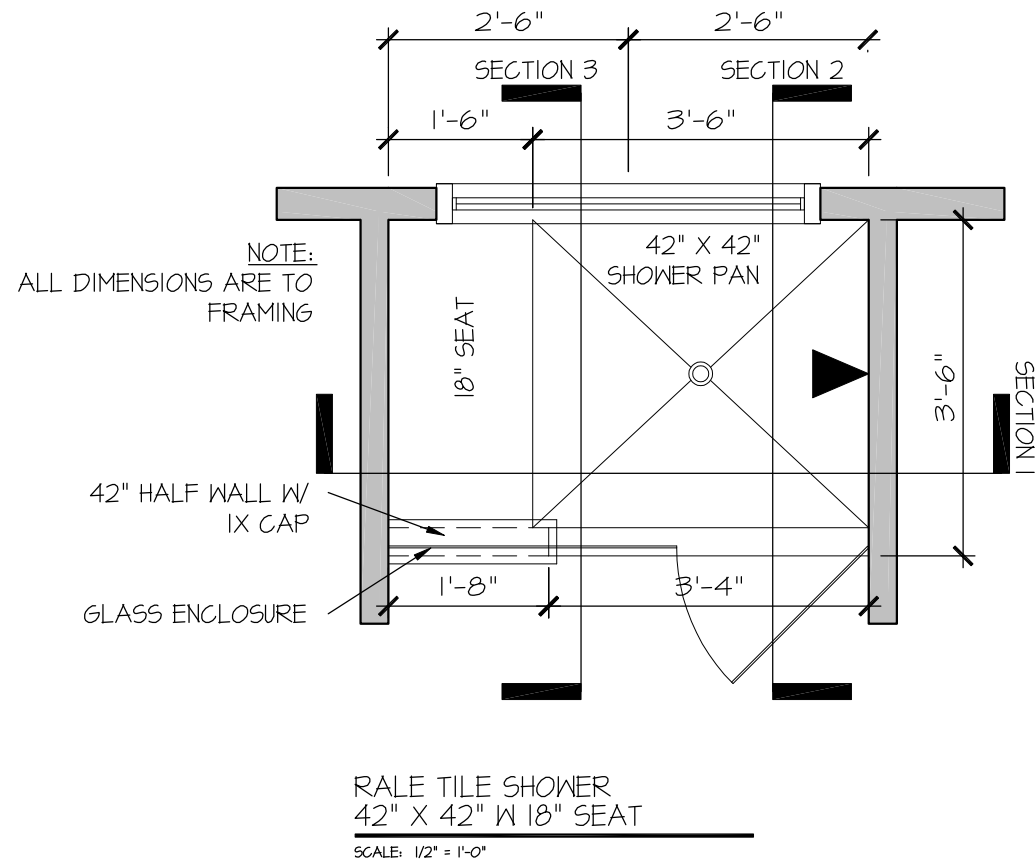
DRAWN BY:	ITS
DATE:	02/19/2025
PLAN NO.	3501

DRB
HOMES

HOUSE NAME:
TOWNSEND
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

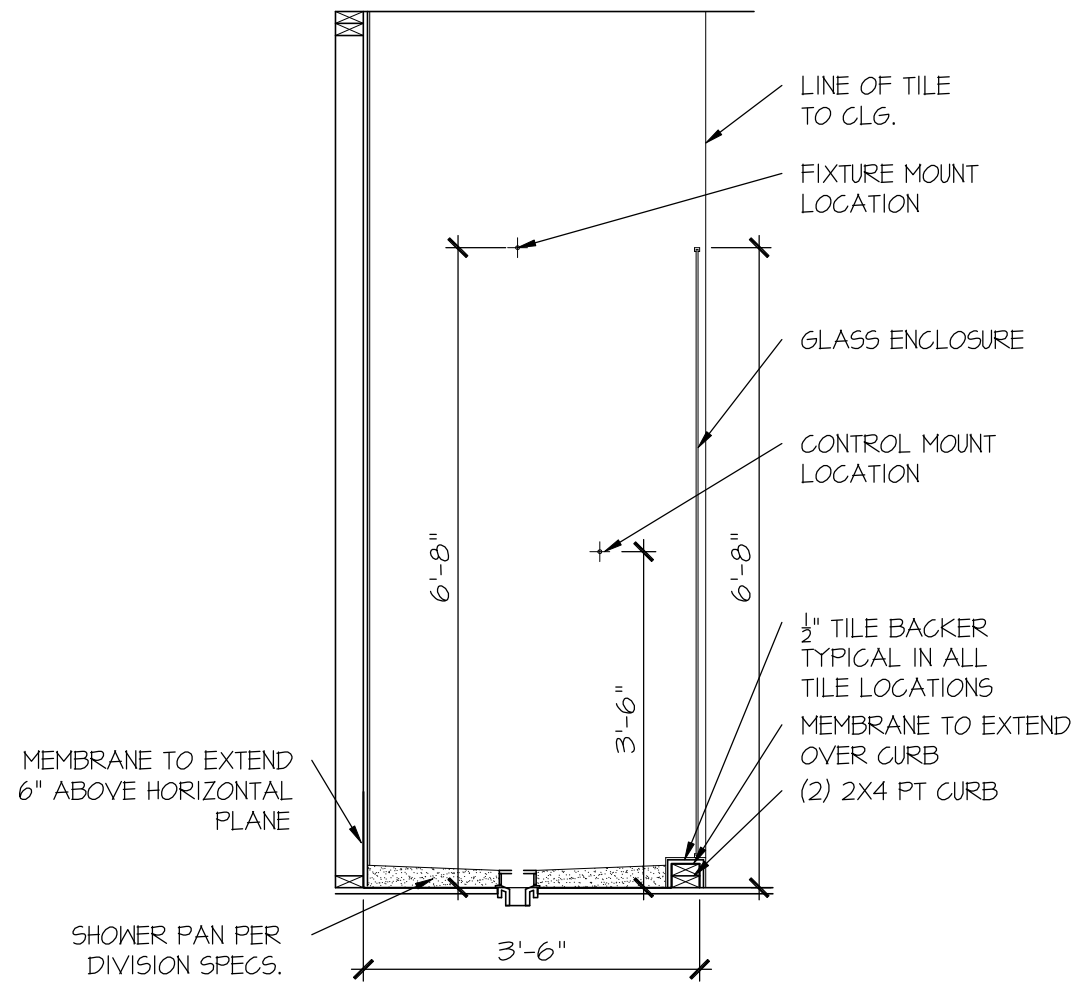
DRB
HOMES

HOUSE NAME:
DRAWING TITLE
RALE TILE SHOWER DETAIL

SHEET No.

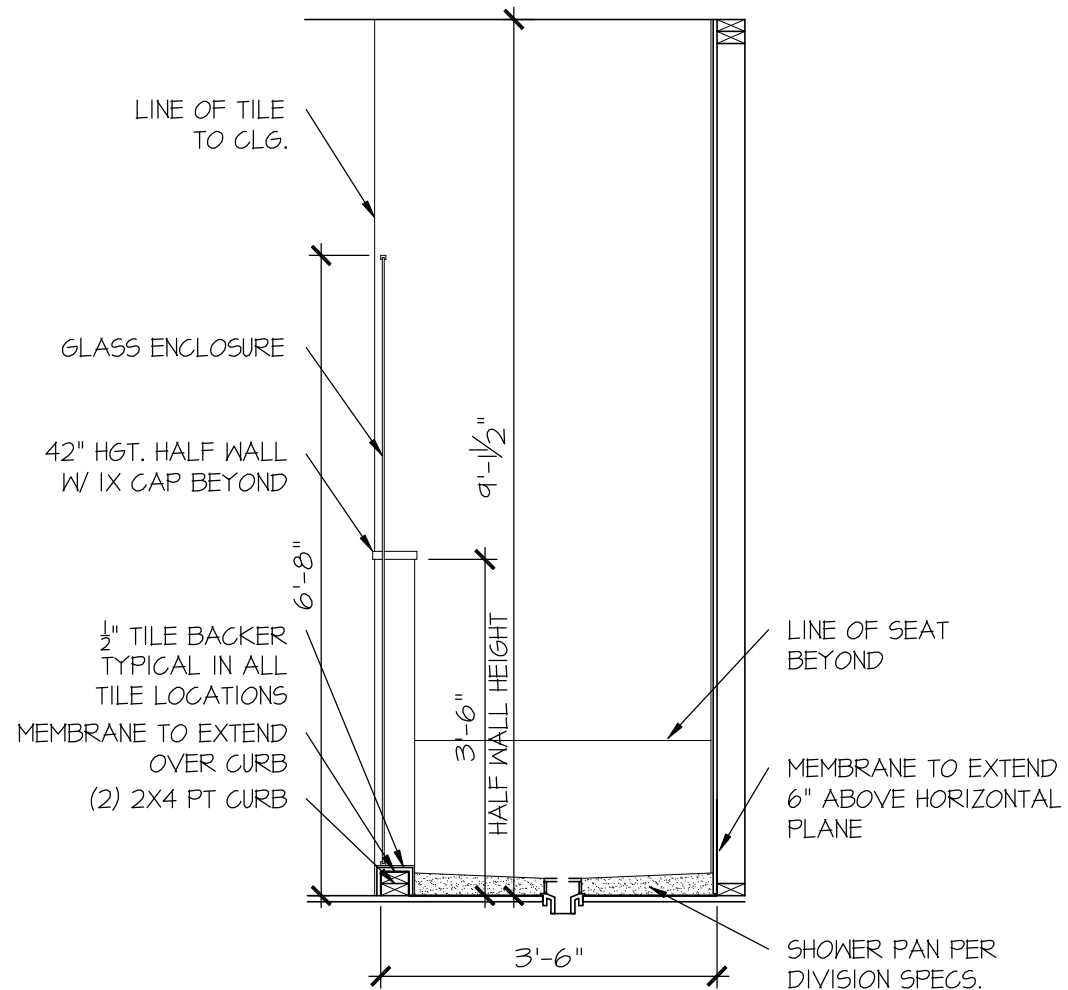
0111

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

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., 1" 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 STP, "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 BMNT. 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 (3/2)x10 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 95% COMPACTED FILL. - PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP. - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM) - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS - CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (F_m=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530J. - 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.	

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	(1) 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)			

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 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(1) FOR ALL CONNECTIONS, TYP. U.N.O. - EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR STP "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 (SYP) 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: - L9L' - Fb=2325 psi; Fv=310 psi; E=1.55x10⁶ psi - LVL' - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi - PSL' - Fb=2900 psi; Fv=290 psi; E=2.0x10⁶ psi - MHK 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 MHK 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 1/4" 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.	

FLOOR FRAMING	
1-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBLE FLOORS - CONTACT MHK FOR MARBLE FLOOR DESIGNS) - AT 1-JOIST FLOORS, PROVIDE 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. - #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, U.N.O. - ERECT AND INSTALL ROOF TRUSSES PER WTCA & TP1's BC61 1-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES." - SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 1' SPAN) W/ 2x4 LEDGER FASTENED TO: - RIM BOARD W/ (2) 3"x0.131" NAILS @ 16" O.C. MAX. (1-JOISTS) - TRUSS VERTICALS W/ (3) 3"x0.131" NAILS @ 19.2" O.C. MAX. (FLOOR TRUSSES) - ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - W/ 2 1/4" 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.	

HOLD-DOWN SCHEDULE	
SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON HIT4 HOLD-DOWN * (3/8" DIA. ANCHOR)
▶ HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) -OR- MSTC66EB ALTERNATE
▶ HD-3	SIMPSON STDH14/STDH14RJ
* 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.	

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

NON-BEARING HEADER SCHEDULE		
SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6
UP TO 12'-0"	(2)2x8	(3)2x8
NOTES: ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 24" O.C. (MAX.)		

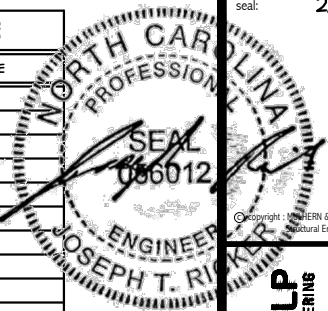
LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS	
THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: <u>120 MPH WIND IN 2018 NC5BC-RC</u> (120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.	
THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1604) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NC5BC-RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.1.2 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 NC5BC-RC SECTION R802.1.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5& R802.1.1.	
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 HOLDDOWN BELOW	

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)	

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"
	20 FT. MAX	L5"x3"x3/8"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3"x3/8"
9'-6"	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 1/2" 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 L4x3x1/4". ** FOR 3/2" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.		

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

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x4" - H	3 1/2"x4" - H	(2)3/4"x4" - F	(2)2x10 + (1)1/2"x11/4" STEEL FLITCH PLATE - H	N/A
002	(2)3/4"x4" - F	3 1/2"x4" - F	(3)3/4"x4" - F	(2)2x12 + (1) 3/4"x11/4" STEEL FLITCH PLATES - F	W12x14
003	(3)3/4"x10" - FT	3 1/2"x10" - FT	N/A	(3)2x12 + (2) 3/4"x11/4" STEEL FLITCH PLATES - F	W12x26 - F
004	N/A	N/A	N/A	N/A	N/A
005	(2)3/4"x4" - F	3 1/2"x4" - F	(2)3/4"x4" - F	(2)2x10 + (1)1/2"x11/4" STEEL FLITCH PLATE - F	N/A
006	(2)3/4"x4" - F	3 1/2"x4" - F	N/A	(2)2x12 + (1) 3/4"x11/4" STEEL FLITCH PLATES - F	N/A
007	(3)3/4"x4" - F	3 1/2"x4" - F	(4)3/4"x4" - F	(3)2x12 + (2) 1/2"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
008	(2)3/4"x4" - F	3 1/2"x4" - F	(3)3/4"x4" - F	(2)2x12 + (1) 3/4"x11/4" STEEL FLITCH PLATES - F	W12x14 - F
009	(2)3/4"x4" - F	3 1/2"x4" - F	N/A	N/A	N/A
010	(2)3/4"x4" - H	3 1/2"x4" - H	(2)3/4"x4" - H	(2)2x10 + (1)1/2"x11/4" STEEL FLITCH PLATE - H	N/A
011	(2)3/4"x4" - H	3 1/2"x4" - H	(2)3/4"x4" - H	(2)2x10 + (1)1/2"x11/4" STEEL FLITCH PLATE - H	N/A
012	(2)3/4"x4" - H	3 1/2"x4" - H	N/A	N/A	N/A
013	(3)3/4"x4" - H	3 1/2"x4" - H	N/A	N/A	N/A
014	(3)3/4"x16" - FB	3 1/2"x16" - FB	N/A	N/A	N/A
015	(2)3/4"x4" - F	3 1/2"x4" - F	(2)3/4"x4" - F	N/A	N/A
016	(3)3/4"x10" - FT	3 1/2"x10" - FT	N/A	N/A	N/A
017	(2)3/4"x4" - F	3 1/2"x4" - F	(2)3/4"x4" - F	N/A	N/A
018	(3)3/4"x11/4" - D	3 1/2"x11/4" - D	(3)3/4"x11/4" - D	N/A	N/A
019	(4)3/4"x4" - F	7"x4" - F	N/A	N/A	N/A
020	(2)3/4"x4" - F	3 1/2"x4" - F	(2)3/4"x4" - F	N/A	N/A
- 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.					



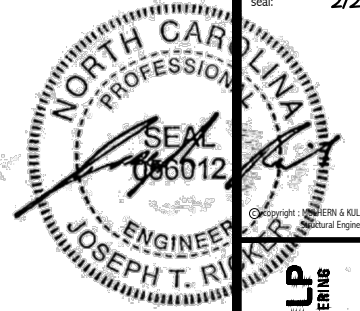
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M&K project number:	126-23047
project mgr:	JTR
drawn by:	JAD
issue date:	02-28-25
REVISIONS:	
date:	initial:

DRB HOMES

STRUCTURAL NOTES
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

sheet:
S0.0



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project number:
126-23047

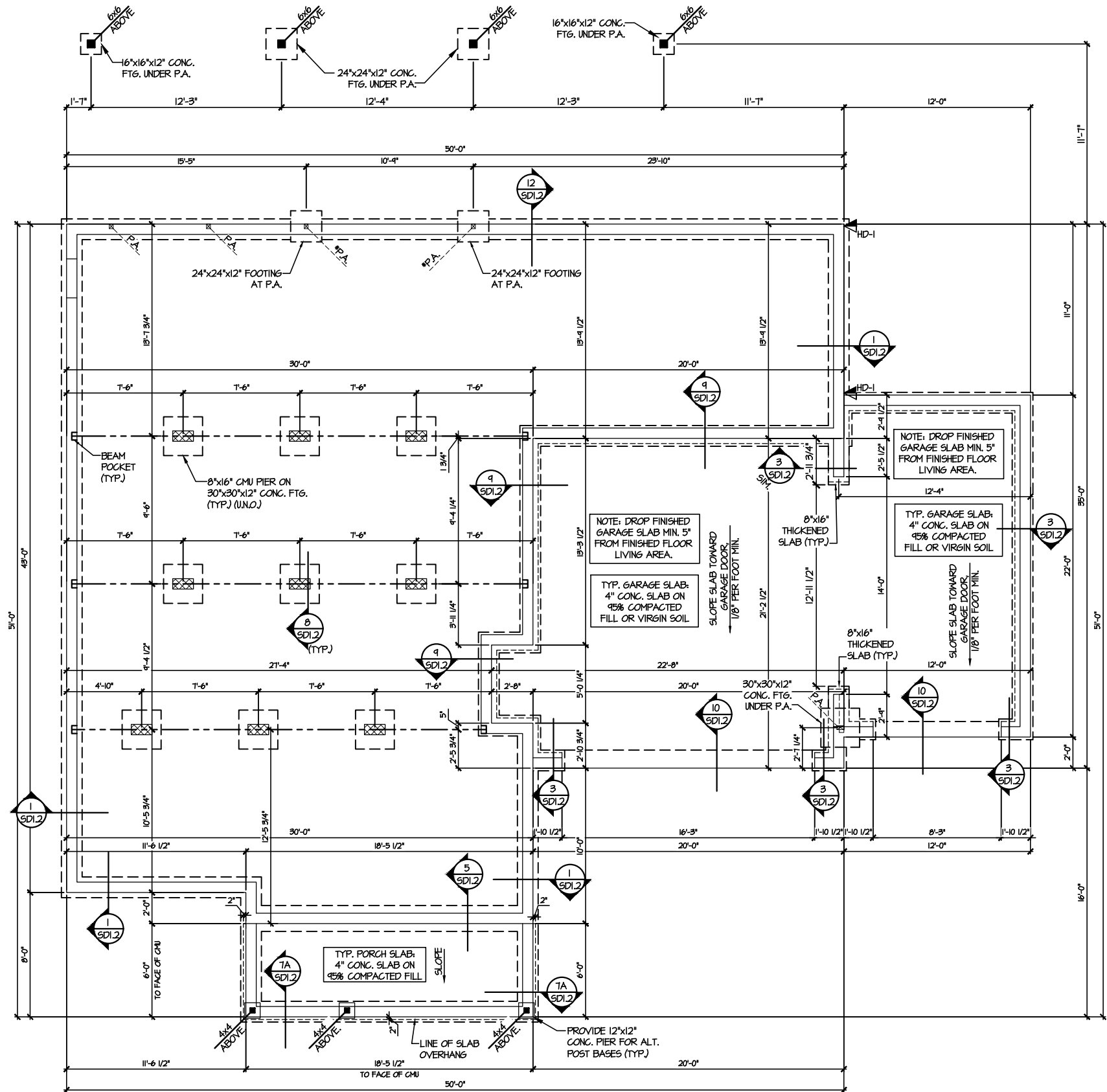
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n by: JAD
date: 02-28-25

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HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

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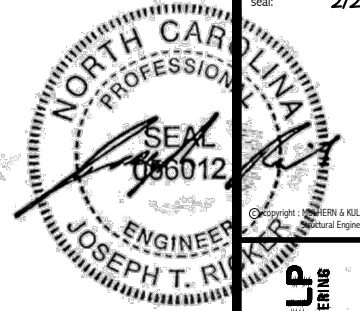


CRAWL SPACE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

LEGEND

-  INTERIOR BEARING WALL
 -  BEARING WALL ABOVE
 -  BEAM / HEADER
 -  INDICATES SHEAR WALL & EXTENT
 -  EXTENT OF OVERFRAMING
- J1. METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
-  INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES



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K project number:
126-23047

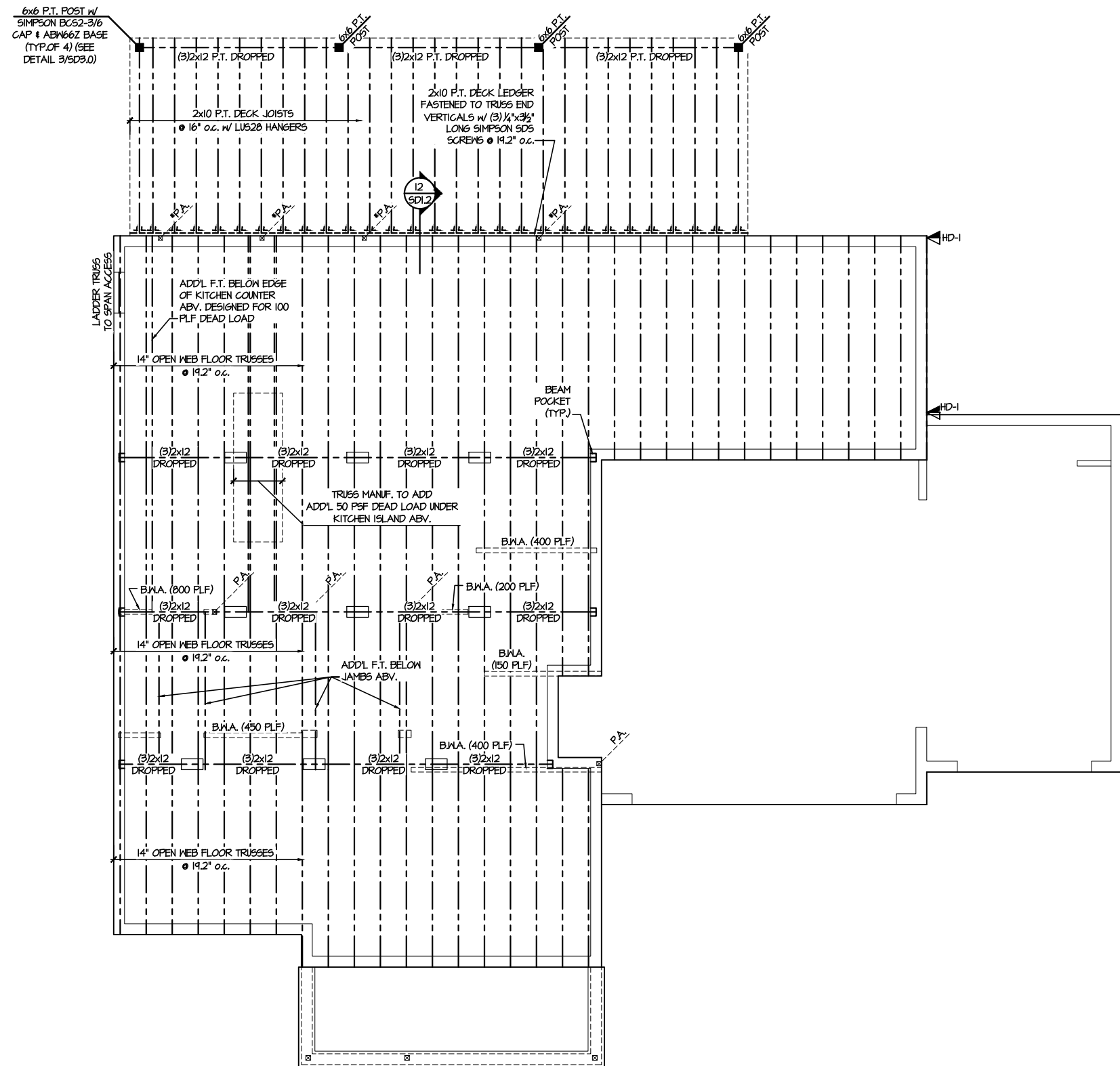
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HONEYCUTT HILLS
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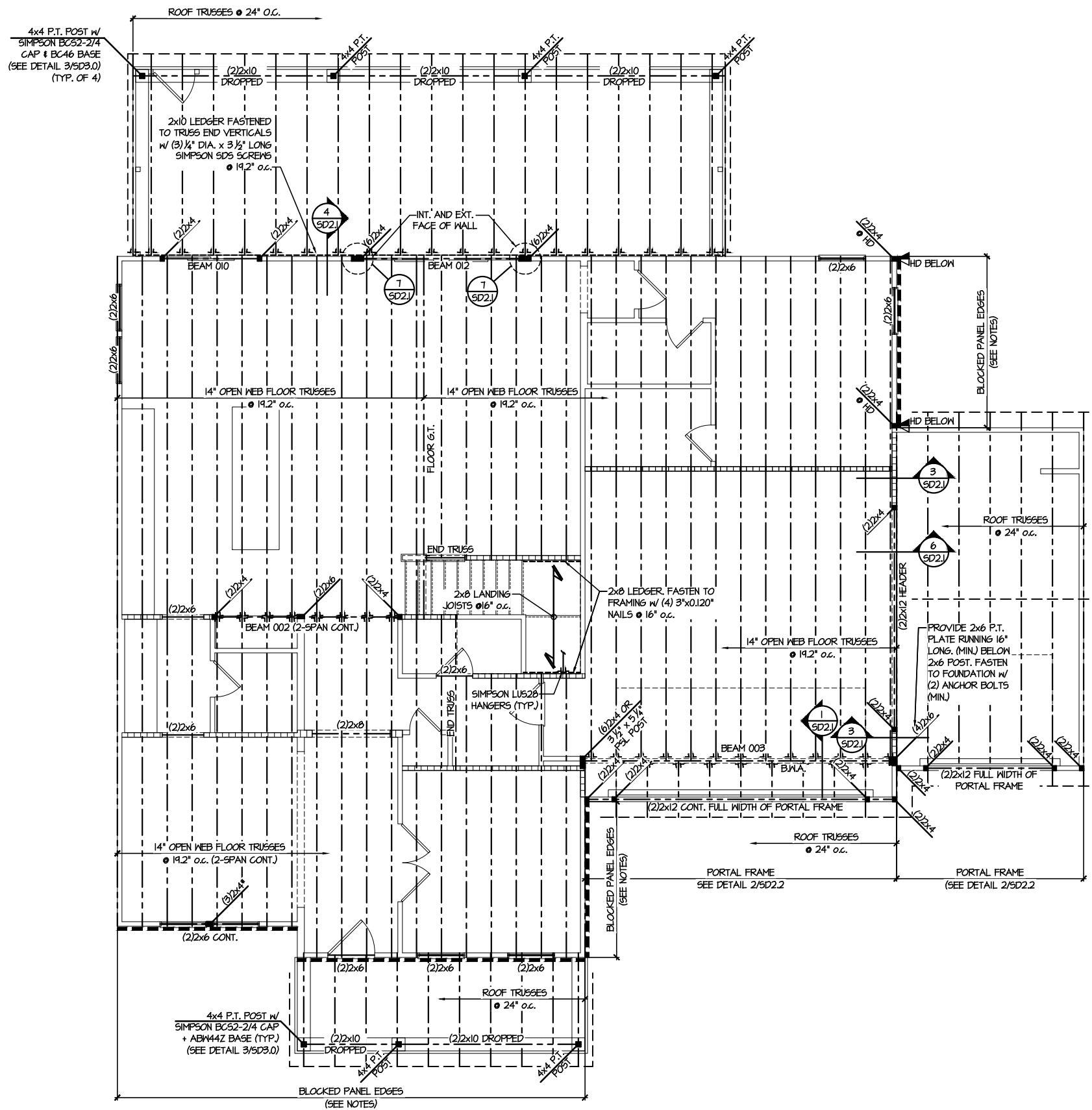


1ST FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

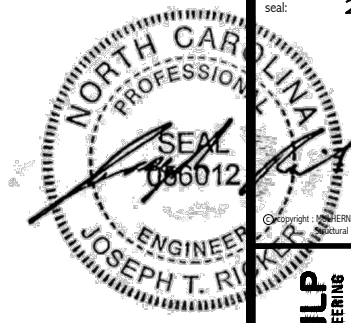
LEGEND

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

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

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issue date: 02-28-25

REVISIONS:
date: initial:

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

REFER TO S0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

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.

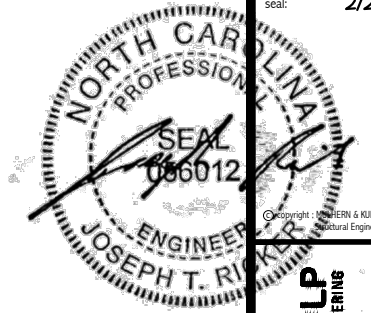
ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x4" - H	3 1/2"x4" - H	(2)3/4"x4" - F	(2)2x10 + (1)1/4"x11/4" STEEL FLITCH PLATE - H	N/A
002	(2)3/4"x14" - F	3 1/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1)3/4"x11/4" STEEL FLITCH PLATES - F	M12x14
003	(3)3/4"x18" - FT	5 1/4"x18" - FT	N/A	(3)2x12 + (2)3/4"x11/4" STEEL FLITCH PLATES - F	M12x26 - F
004	N/A	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)2x10 + (1)1/4"x11/4" STEEL FLITCH PLATE - F	N/A
006	(2)3/4"x14" - F	3 1/2"x14" - F	N/A	(2)2x12 + (1)3/4"x11/4" STEEL FLITCH PLATES - F	N/A
007	(3)3/4"x14" - F	5 1/4"x14" - F	(4)3/4"x14" - F	(3)2x12 + (2)3/4"x11/4" STEEL FLITCH PLATES - F	M12x14 - F
008	(2)3/4"x14" - F	3 1/2"x14" - F	(3)3/4"x14" - F	(2)2x12 + (1)3/4"x11/4" STEEL FLITCH PLATES - F	M12x14 - F
009	(2)3/4"x14" - F	3 1/2"x14" - F	N/A	N/A	N/A
010	(2)3/4"x14" - H	3 1/2"x14" - H	(2)3/4"x4" - H	(2)2x10 + (1)1/4"x11/4" STEEL FLITCH PLATE - H	N/A
011	(2)3/4"x14" - H	3 1/2"x14" - H	(2)3/4"x4" - H	(2)2x10 + (1)1/4"x11/4" STEEL FLITCH PLATE - H	N/A
012	(2)3/4"x14" - H	3 1/2"x14" - H	N/A	N/A	N/A
013	(3)3/4"x14" - H	5 1/4"x14" - H	N/A	N/A	N/A
014	(3)3/4"x16" - FB	5 1/4"x16" - FB	N/A	N/A	N/A
015	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	N/A	N/A
016	(3)3/4"x18" - FT	5 1/4"x18" - FT	N/A	N/A	N/A
017	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	N/A	N/A
018	(3)3/4"x14" - D	5 1/4"x14" - D	(3)3/4"x14" - D	N/A	N/A
019	(4)3/4"x14" - F	7"x14" - F	N/A	N/A	N/A
020	(2)3/4"x14" - F	3 1/2"x14" - F	(2)3/4"x14" - F	N/A	N/A

- 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.

FLOOR FRAMING PLANS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

sheet:
S3.0



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&K project number:
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Project mgr: JTR
Drawn by: JAD
Issue date: 02-28-25

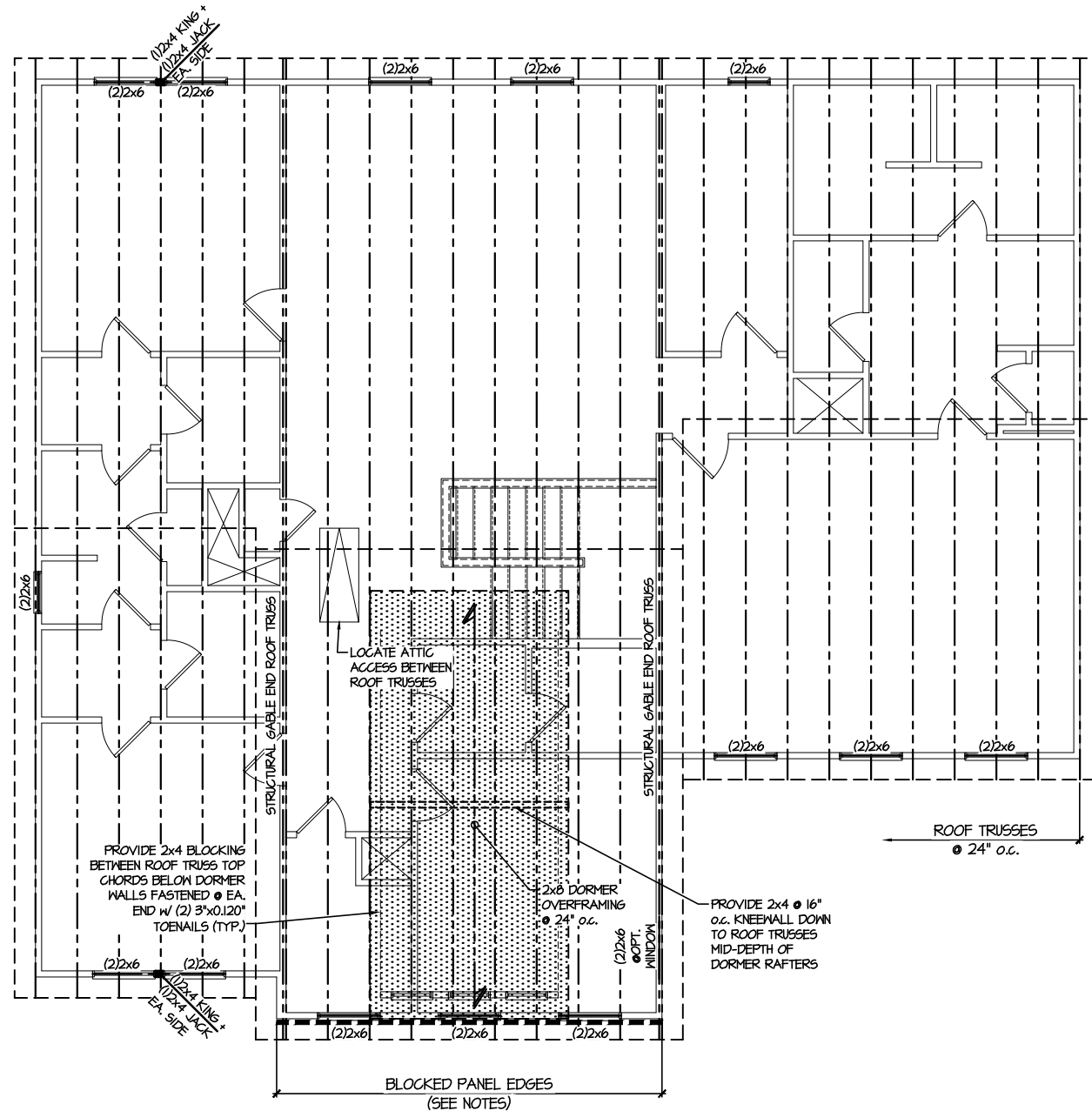
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ROOF FRAMING PLANS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

Sheet:

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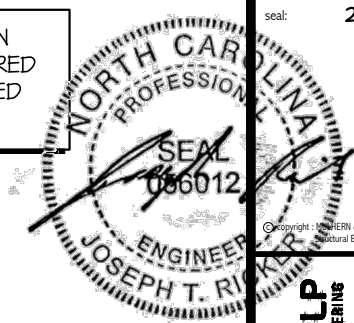


1 ROOF FRAMING PLAN

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



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M&K project number:
126-23047

project mgr: JTR
drawn by: JAD
issue date: 02-28-25

REVISIONS:
date: initial:

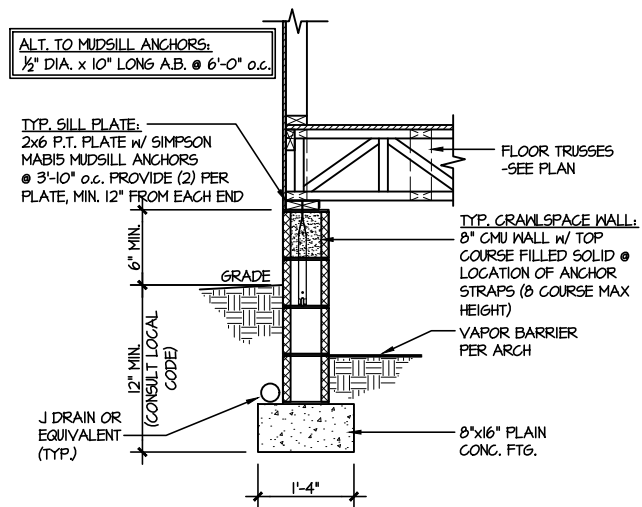
DRB HOMES

FOUNDATION DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

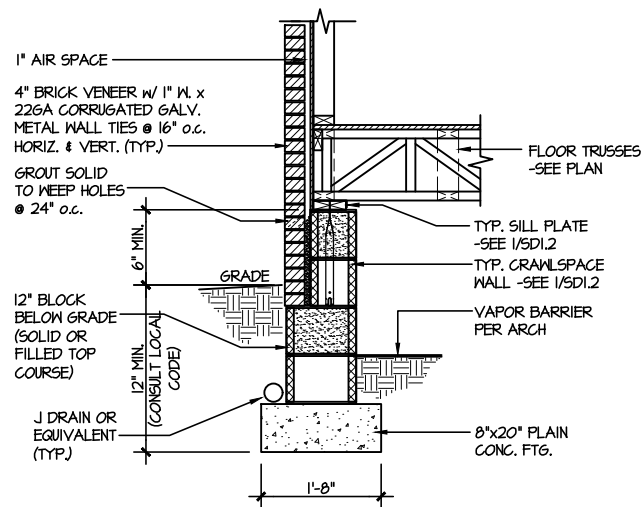
sheet:
SD1.2

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

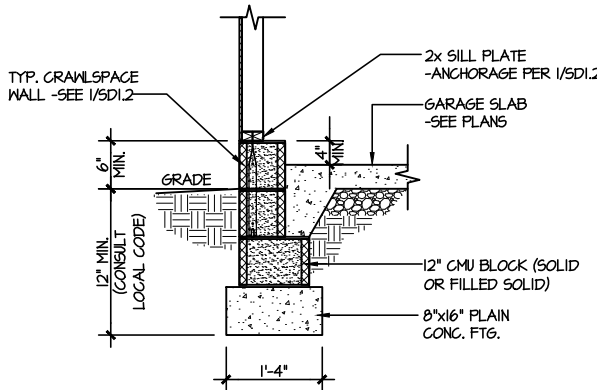
NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.



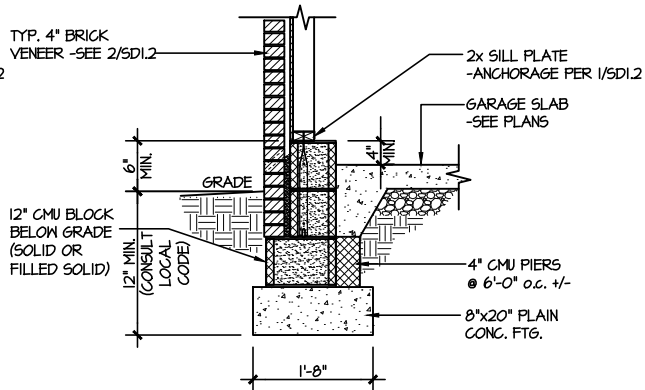
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"



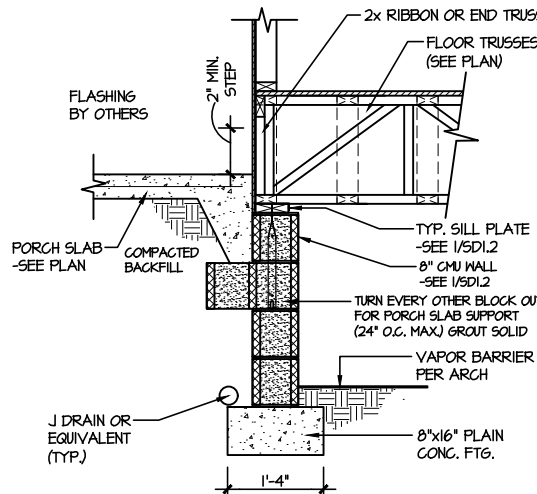
2 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" W/ BRICK VENEER



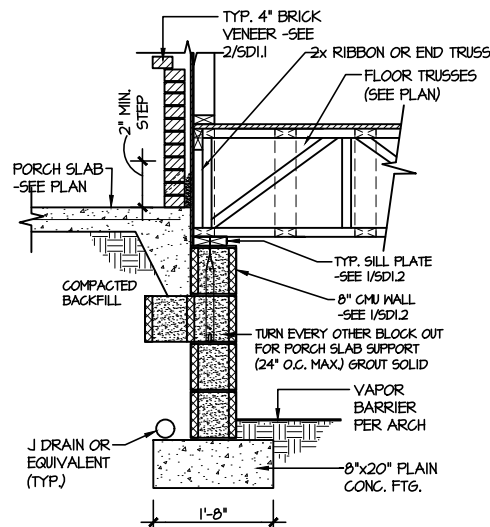
3 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0"



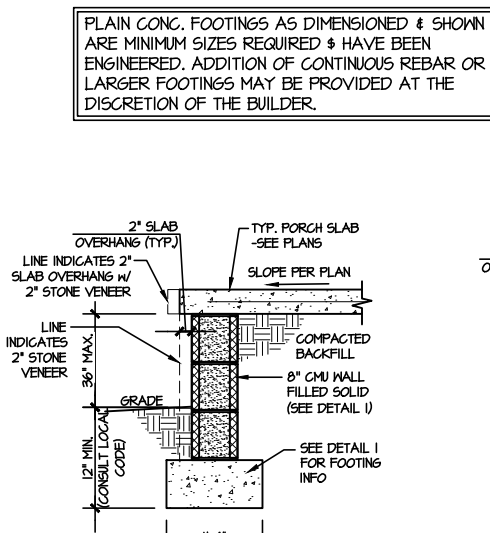
4 TYPICAL GARAGE FOUNDATION
SCALE: 3/8"=1'-0" W/ BRICK VENEER



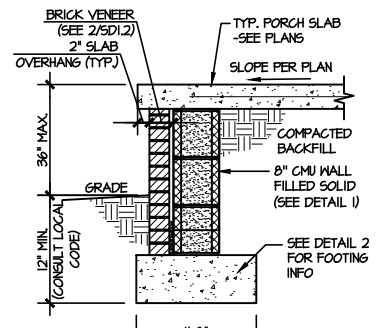
5 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
(REFER TO DETAIL 12 FOR WOOD PORCH OPTION)



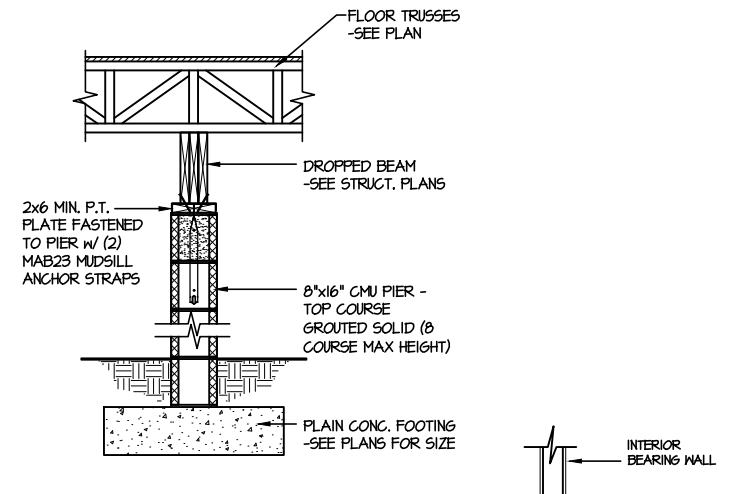
6 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" W/ BRICK VENEER



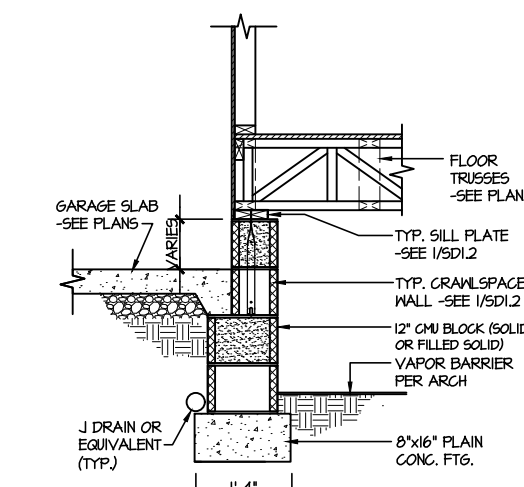
7A TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



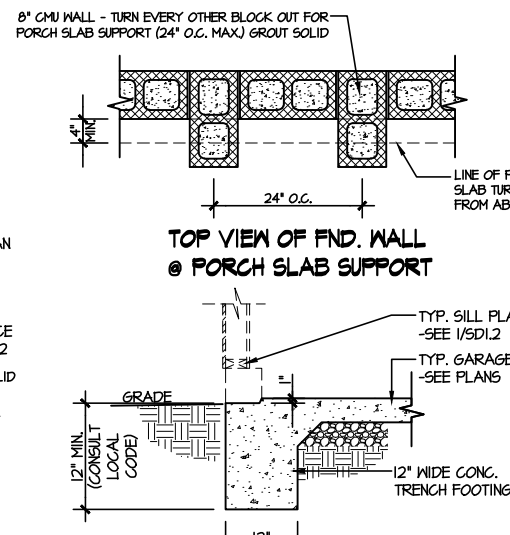
7B TYP. FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0" W/ BRICK VENEER



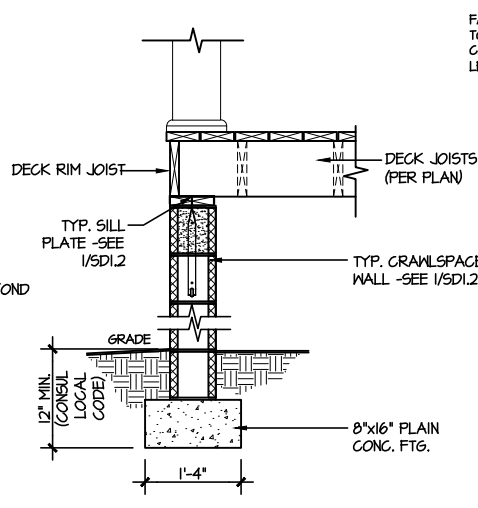
8 TYPICAL CRAWLSPACE FND @ INTERIOR PIER
SCALE: 3/8"=1'-0"



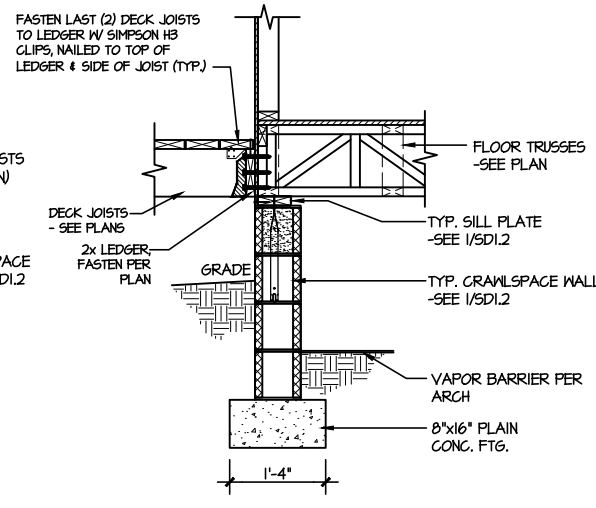
9 TYPICAL CRAWLSPACE FOUNDATION @ GARAGE
SCALE: 3/8"=1'-0"



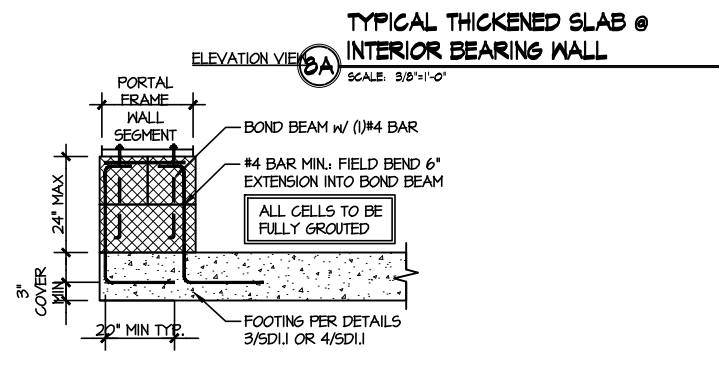
10 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



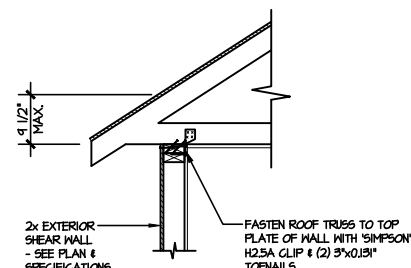
11 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK PERIMETER
SCALE: 3/8"=1'-0"



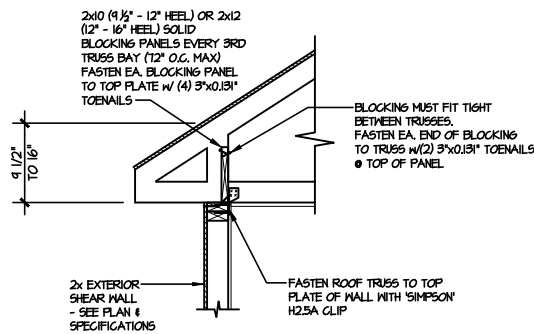
12 TYPICAL CRAWLSPACE FOUNDATION @ WOOD PORCH/DECK
SCALE: 3/8"=1'-0"



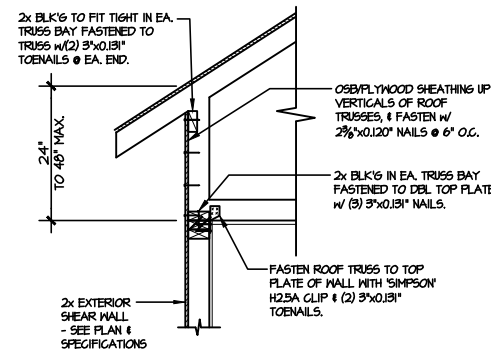
A GARAGE PORTAL FRAME STEM WALL REINFORCEMENT
SCALE: 3/8"=1'-0"



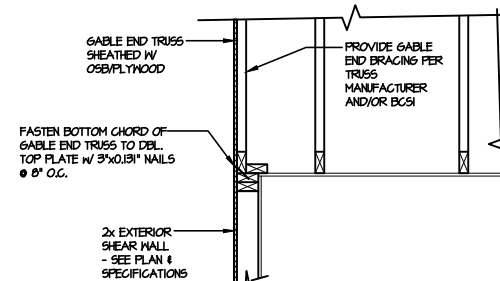
TYPICAL SHEAR TRANSFER DETAIL @ ROOF
(A1) SCALE: 3/8"=1'-0"
 HEEL HEIGHT LESS THAN 1 1/2"
 NO BLOCKING REQ'D



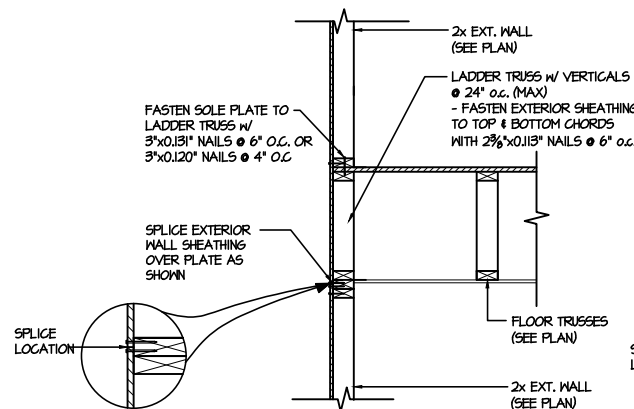
TYPICAL SHEAR TRANSFER DETAIL @ ROOF
(A2) SCALE: 3/8"=1'-0"
 HEEL HEIGHT BETWEEN 1 1/2" - 16"
 BLOCKING REQ'D



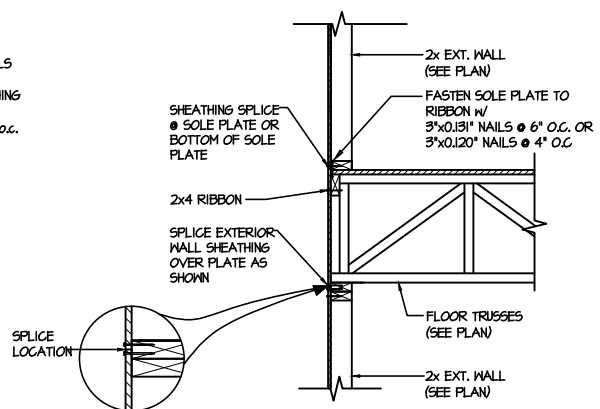
TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
(A3) SCALE: 3/8"=1'-0"
 HEEL HEIGHT UP TO 48" MAX.



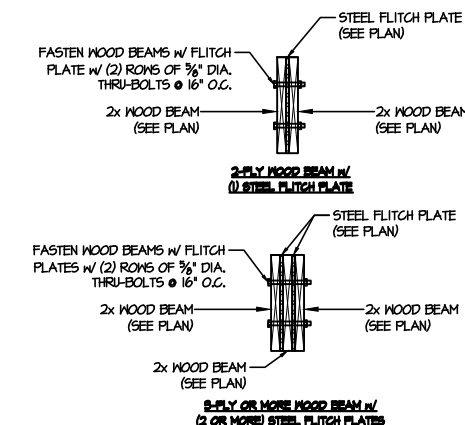
TYPICAL GABLE END DETAIL
(B) SCALE: 3/8"=1'-0"



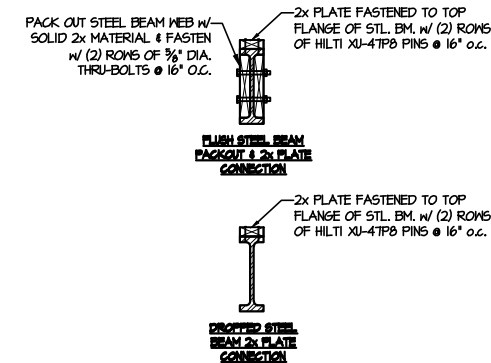
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
(C1) SCALE: 3/8"=1'-0"
 PARALLEL FRAMING



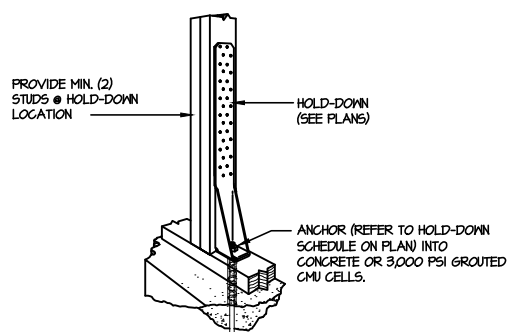
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
(C2) SCALE: 3/8"=1'-0"
 PERPENDICULAR FRAMING



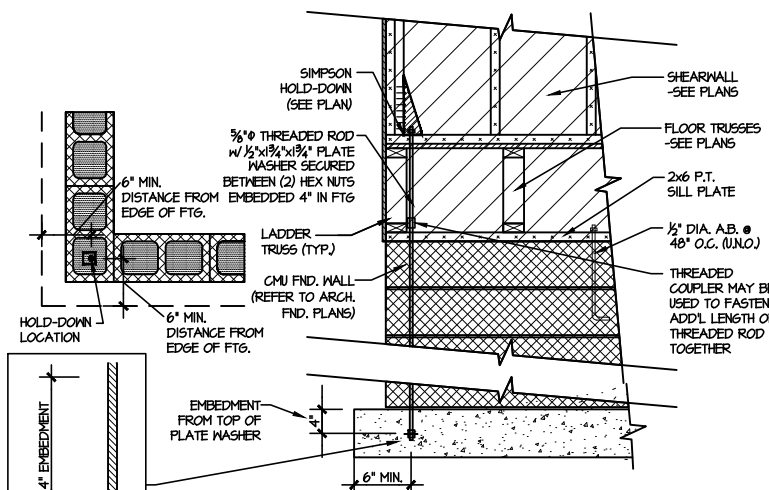
TYPICAL FLITCH BEAM CONNECTION DETAIL
(D) SCALE: 3/4"=1'-0"



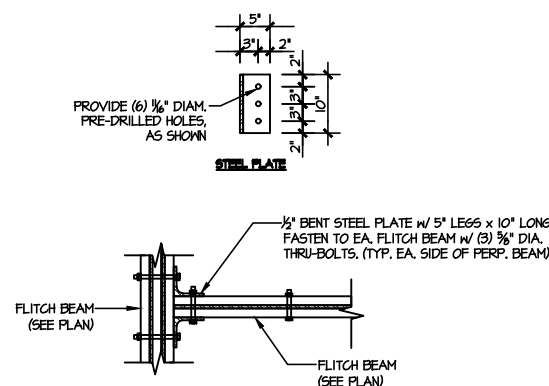
TYPICAL STEEL BEAM CONNECTION DETAIL
(E) SCALE: 3/4"=1'-0"



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



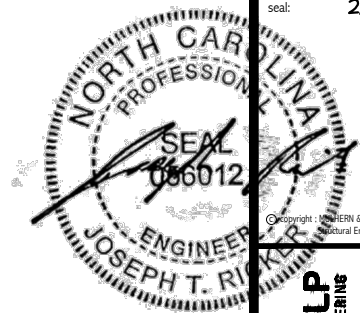
TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION
(F2) SCALE: N.T.S.
 (CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)



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

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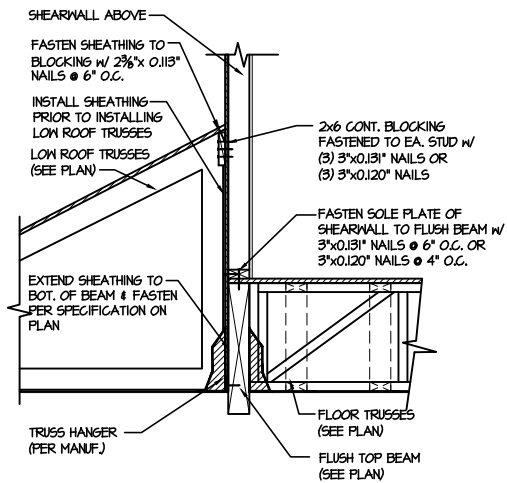
M&K project number:
 126-23047
 project mgr: JTR
 drawn by: JAD
 issue date: 02-28-25

REVISIONS:
 date: initial:

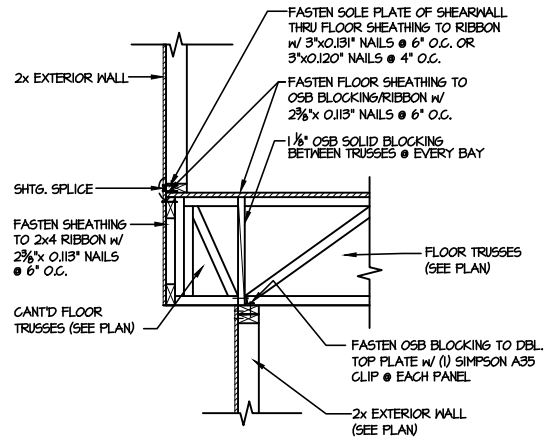
DRB HOMES

FRAMING DETAILS
 HONEYCUTT HILLS
 LOT 13 - TOWNSEND 2
 RALEIGH, NC

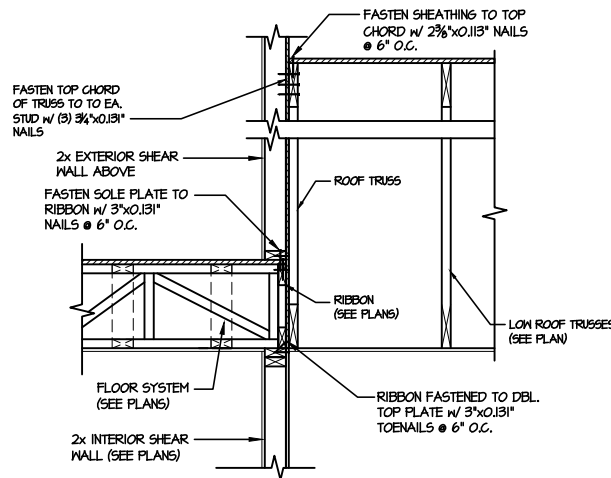
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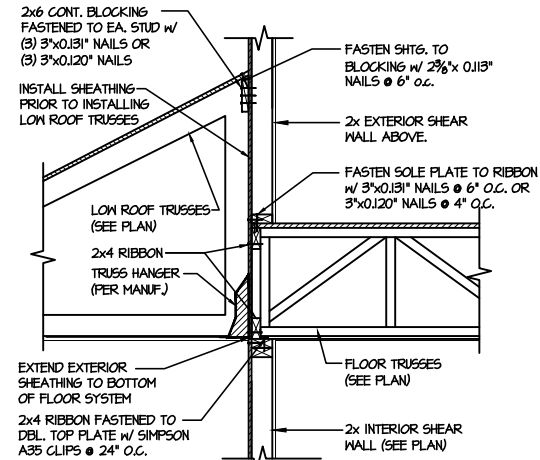
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



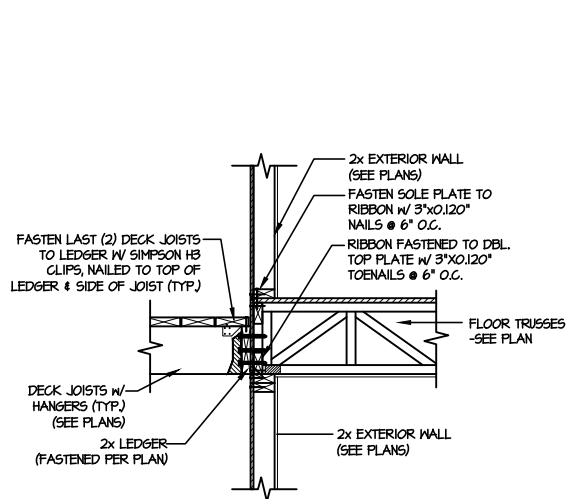
2 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



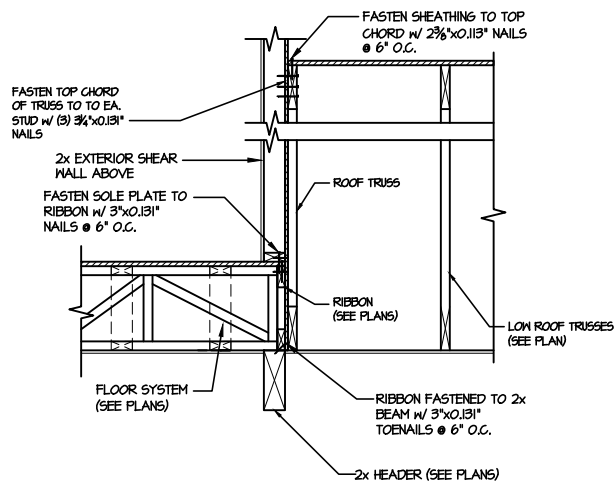
3 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



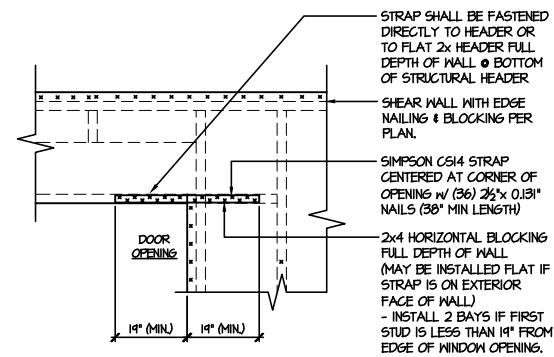
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



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

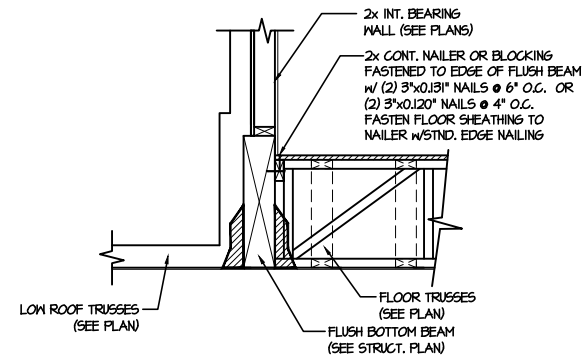


6 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"

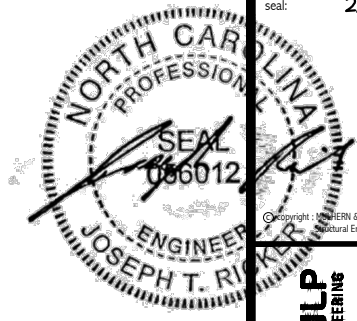


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- WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

7 TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE: NTS



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



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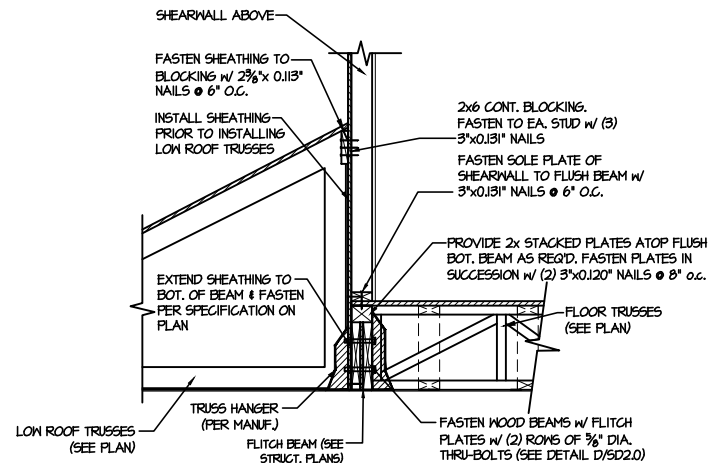
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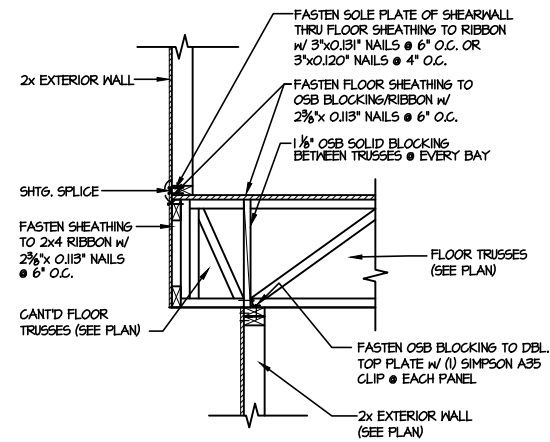
DRB HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

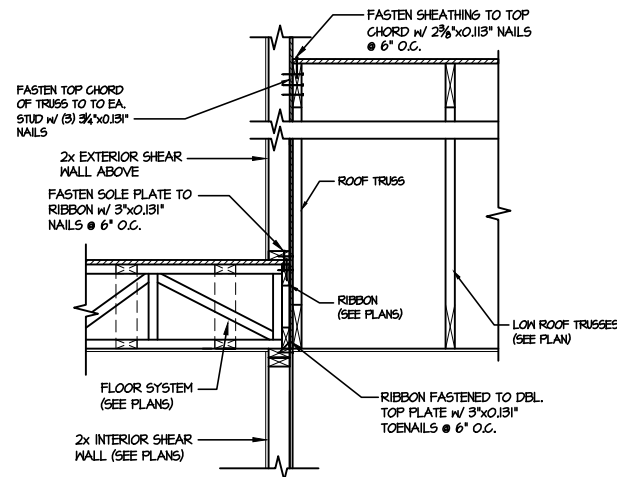
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SD2.1A



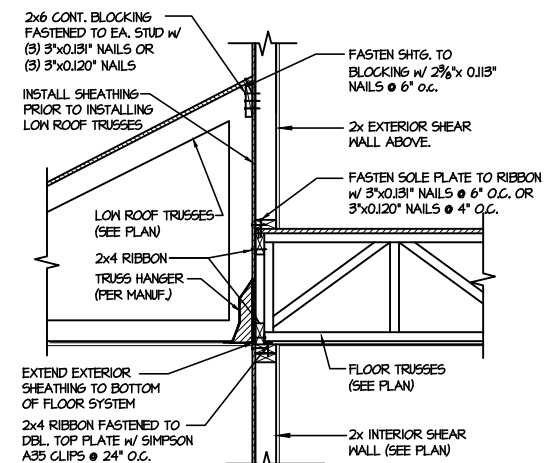
1 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



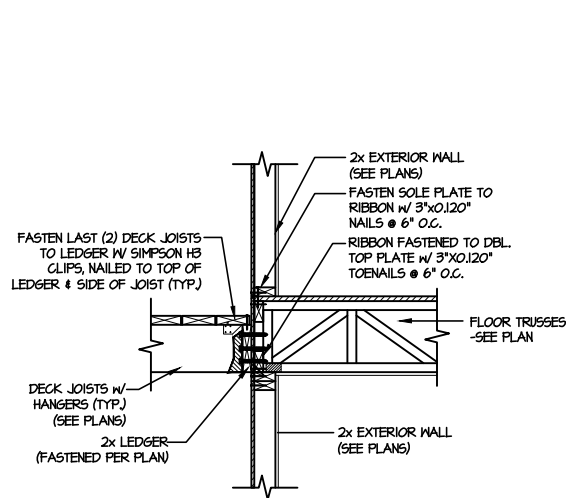
2 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0"



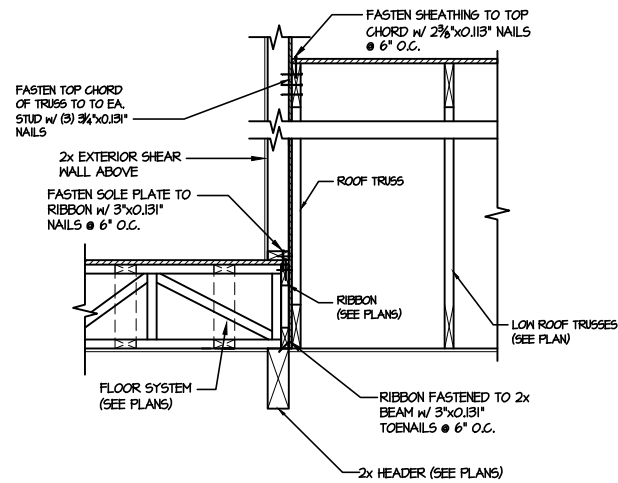
3 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



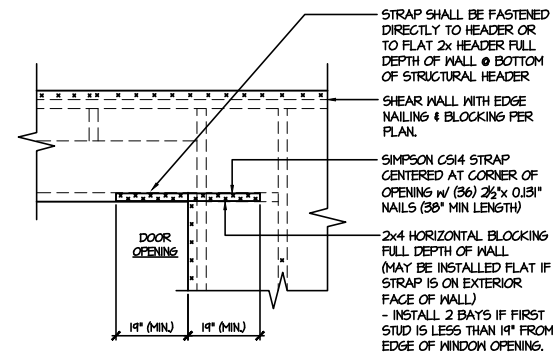
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



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

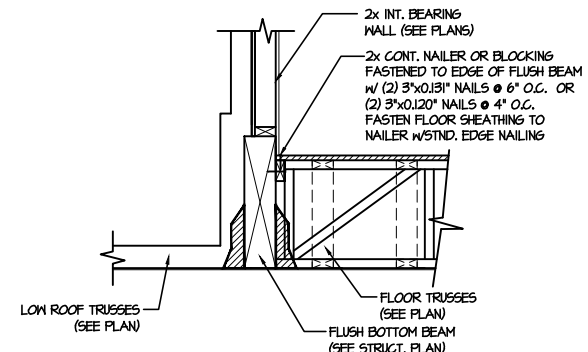


6 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"

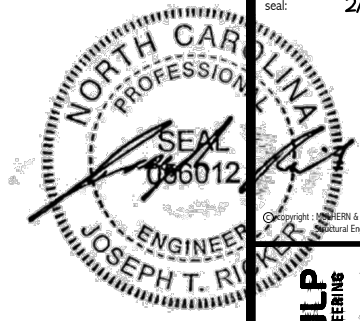


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL.
- WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING.
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN.

7 TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE: NTS



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



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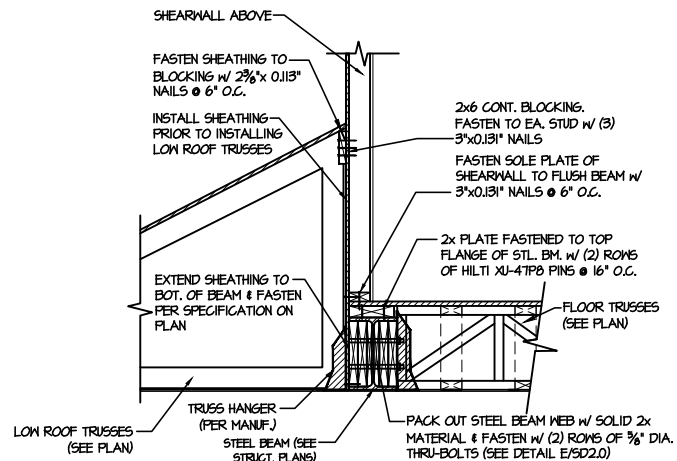
REVISIONS:
date: initial:

DRB HOMES

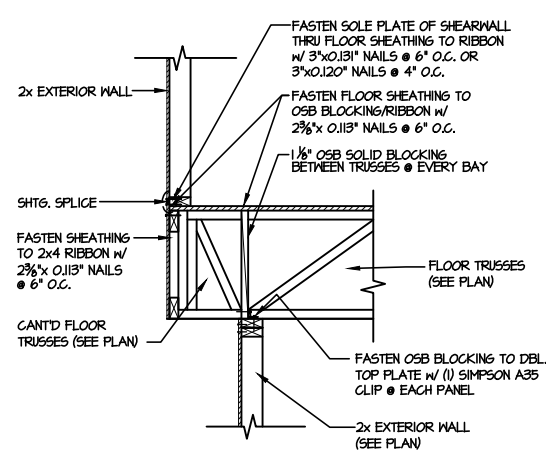
FRAMING DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

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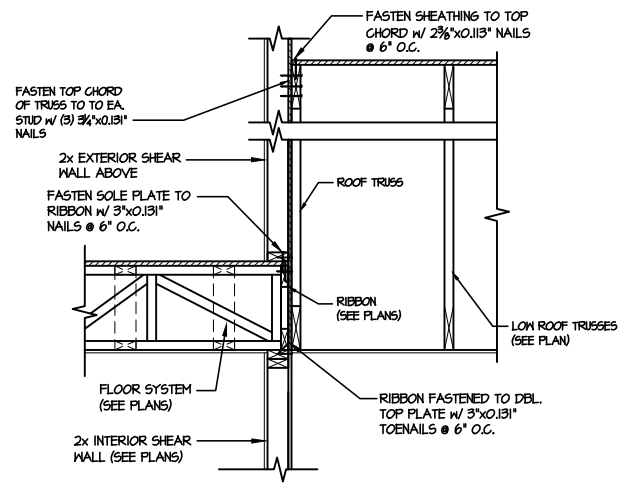
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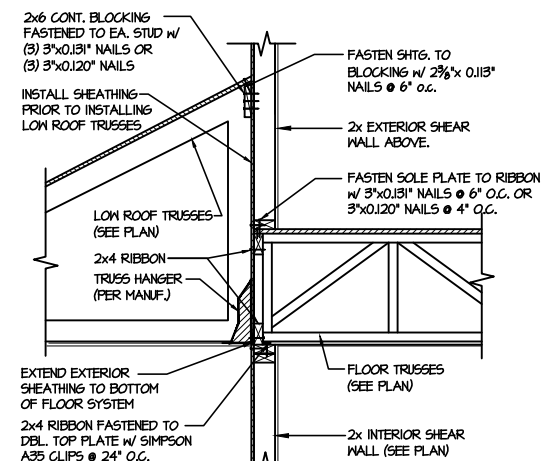
**1 SHEAR TRANSFER DETAIL @
EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



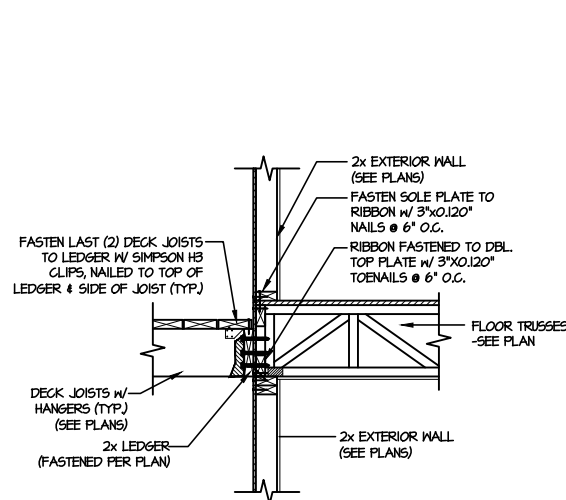
**2 SHEAR TRANSFER DETAIL BETWEEN
FLOORS @ CANT'D EXT. WALL**



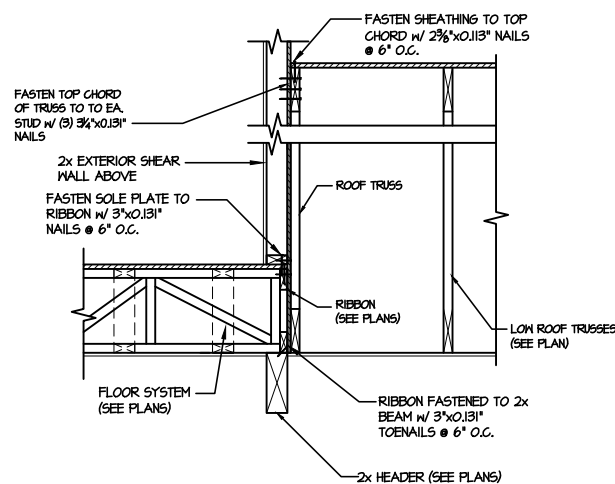
**3 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



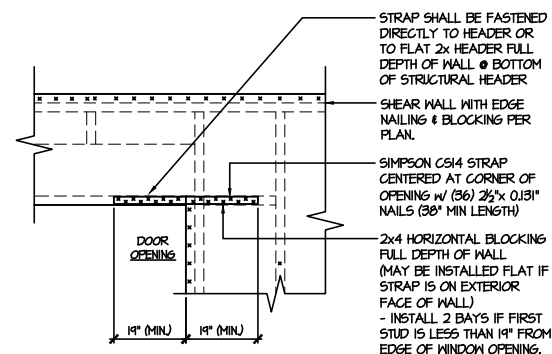
**4 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



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

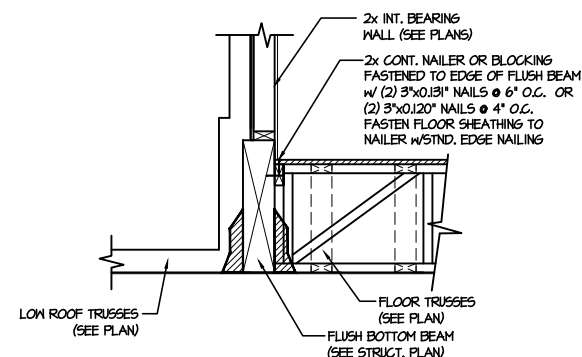


**6 TYPICAL SHEAR TRANSFER DETAIL
BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"

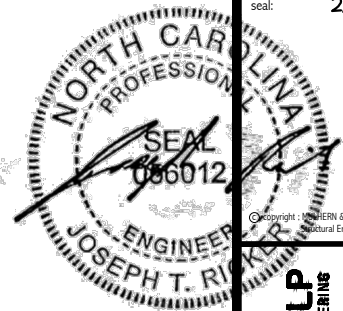


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- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

**7 TYPICAL EXT. WALL & INT.
SHEARWALL OPENING ELEVATION**
SCALE: NTS



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



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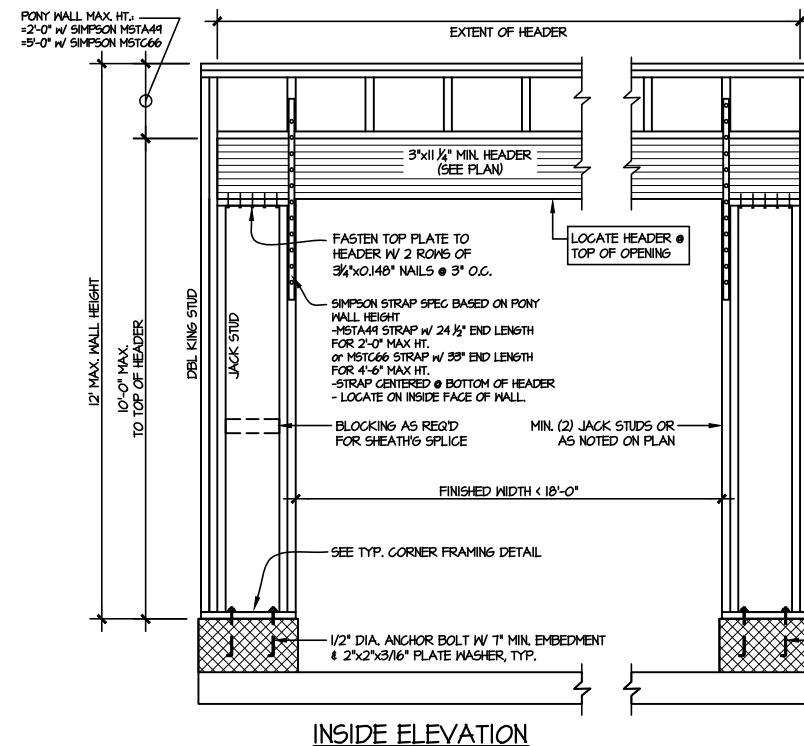
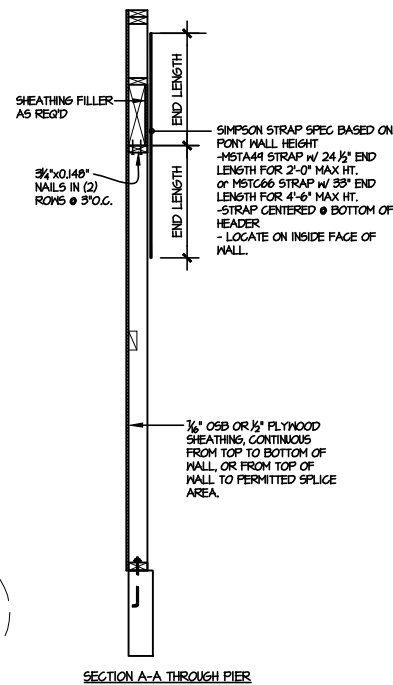
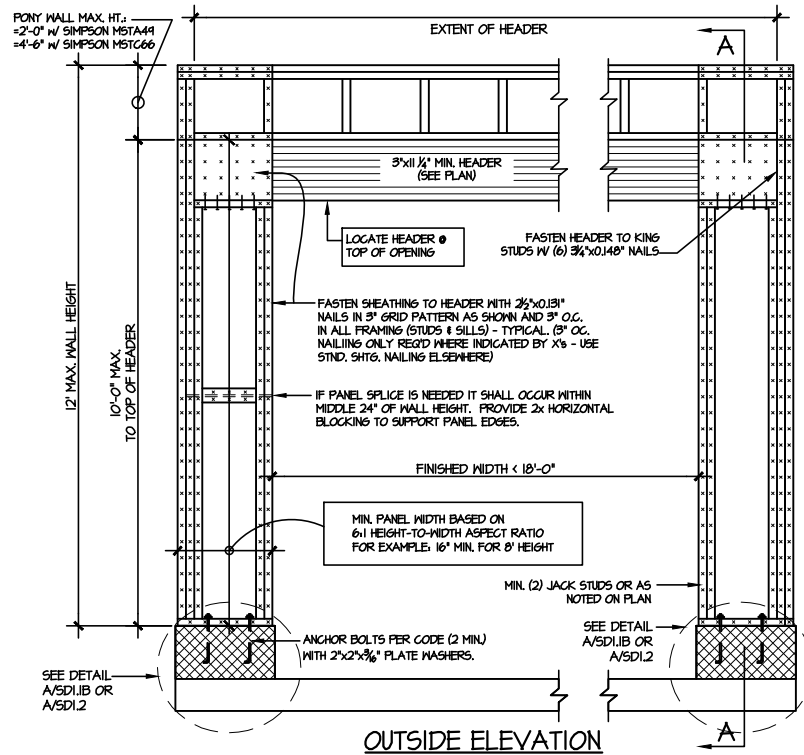
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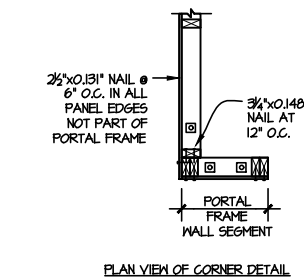
DRB HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

sheet:
SD2.1C



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



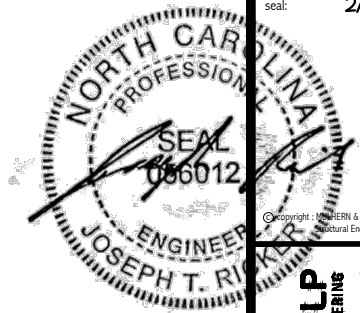
ALTERNATIVE TO 1/2" DIA. ANCHOR BOLT:
1) 1/2" DIA. THREADED ROD EPOXY SET
W/ 4 1/2" EMBED. (MIN) UTILIZING HILTI HY200
EPOXY ANCHORING SYSTEM (OR EQUAL)

TWO SIDED GARAGE PORTAL FRAME BRACING
ELEVATION ON CMU STEM

2

SCALE: N.T.S.

SCALE: N.T.S.



2/28/25

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M&K project number:
126-23047

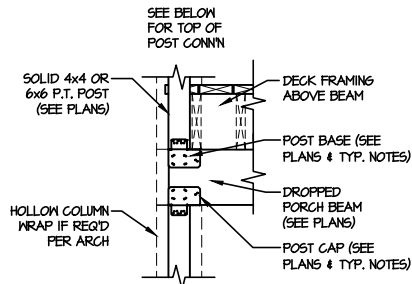
project mgr: JTR
drawn by: JAD
issue date: 02-28-25

REVISIONS:
date: initial:

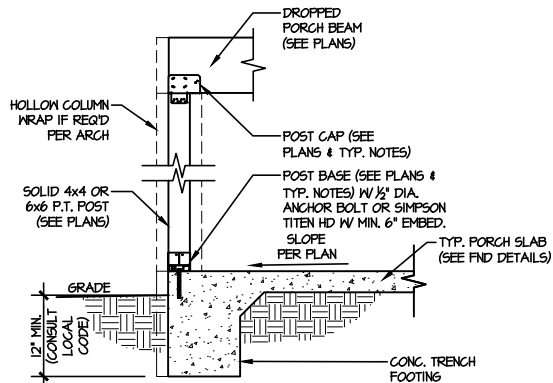
DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

SD2.2



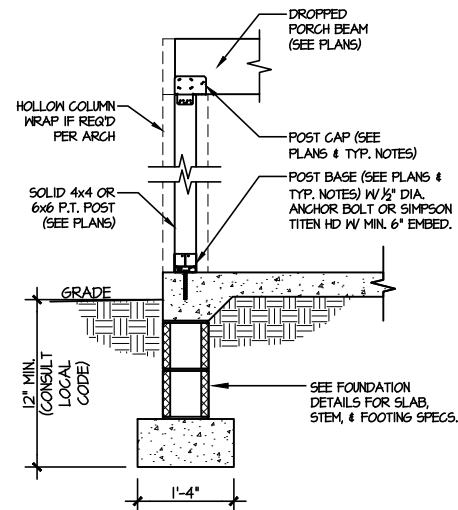
**TYPICAL CONNECTION
DETAIL @ 2nd FLOOR DECK**



**TYPICAL PORCH
POST CONNECTION DETAIL**

SCALE: NONE

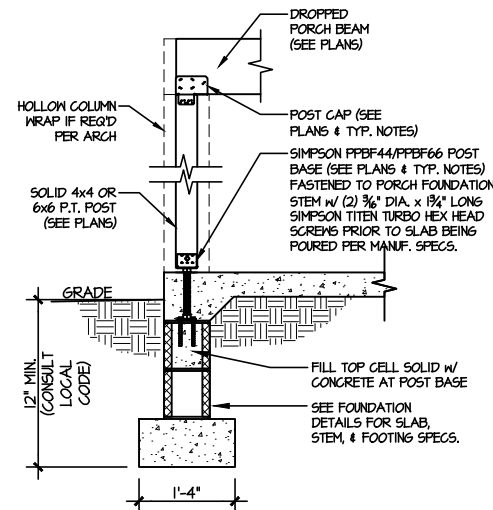
SLAB ON GRADE SHOWN
(RAISED SLAB SIM.)



**TYPICAL PORCH POST CONNECTION
DETAIL INSTALLED AFTER SLAB POUR**

SCALE: NONE

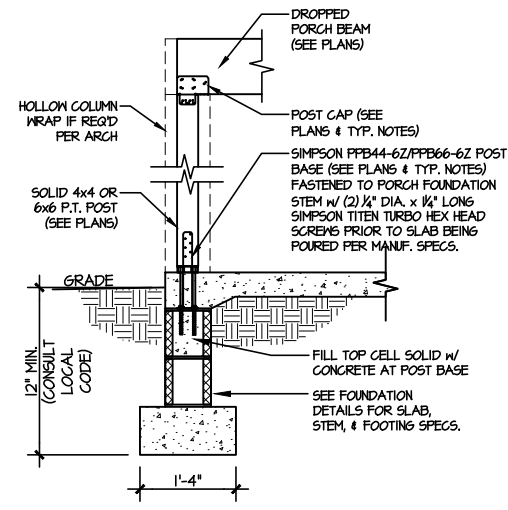
GRAVSPACE FOUNDATION



**TYPICAL PORCH POST CONNECTION
DETAIL INSTALLED PRIOR TO SLAB POUR**

SCALE: NONE

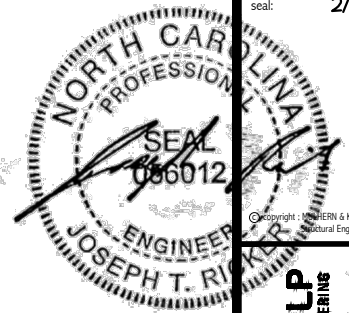
GRAVSPACE FOUNDATION



**TYPICAL PORCH POST CONNECTION
DETAIL INSTALLED PRIOR TO SLAB POUR**

SCALE: NONE

GRAVSPACE FOUNDATION



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
3800 Bannockburn Ave. Building 4 - Asheville, NC 28802
P: 728-686-0883 • mulhern+kulp.com



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126-23047

project mgr: JTR
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issue date: 02-28-25

REVISIONS:
date: initial:

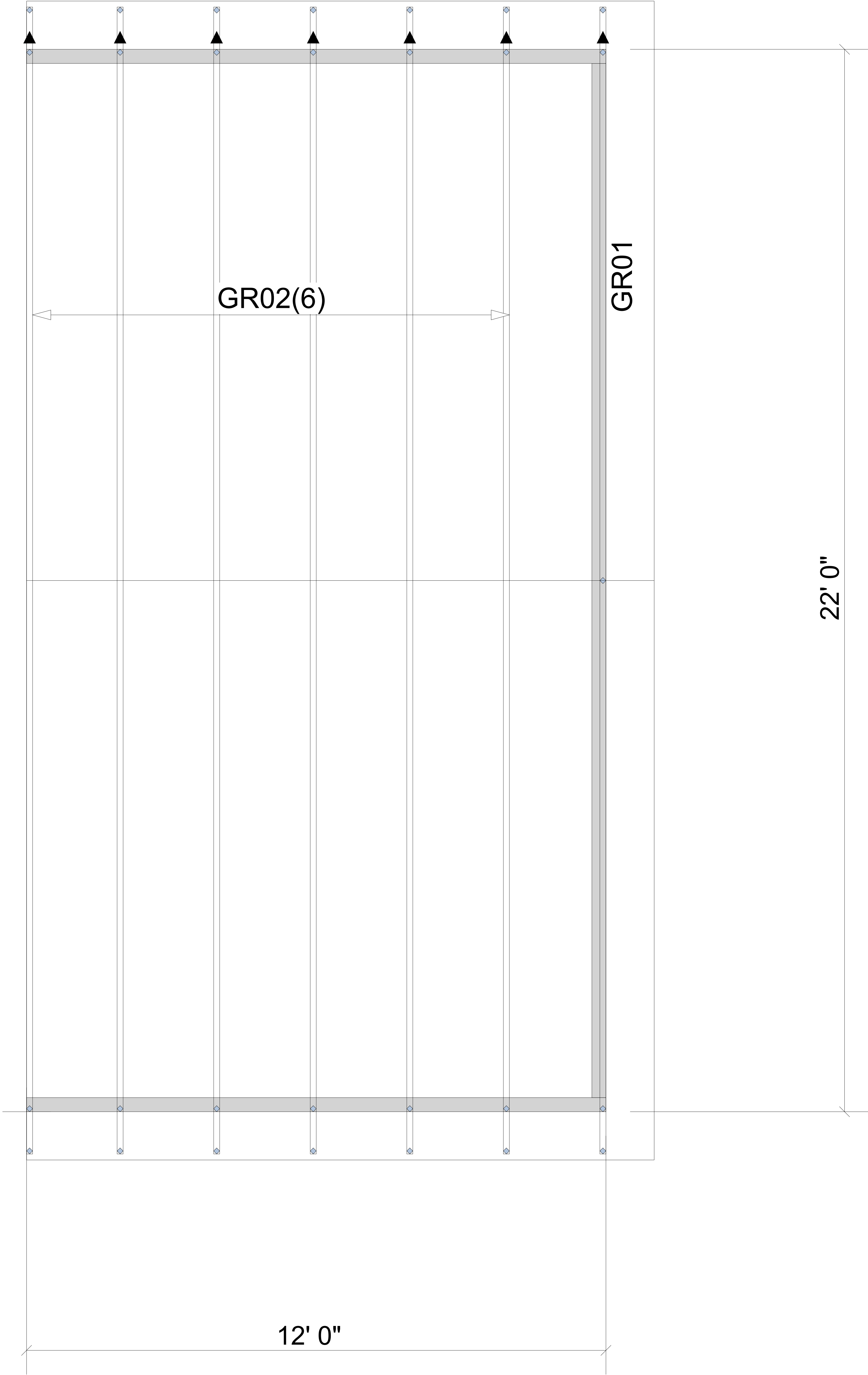
DRB
HOMES

FRAMING DETAILS
HONEYCUTT HILLS
LOT 13 - TOWNSEND 2
RALEIGH, NC

sheet:
SD3.0

2/28/25

WARNING! Long span trusses, 60' or greater in length, require extreme care and experience for proper and safe handling and installation. For general handling and installation guidance, see the "Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses ("BCS")", JOINTLY PRODUCED BY SBCA and TPI. For project specific guidance, consult with a registered design professional. ATLANTIC assumes no responsibility for the handling, installation or bracing of trusses.



▲ = LEFT END OF TRUSS

FOR PERMIT

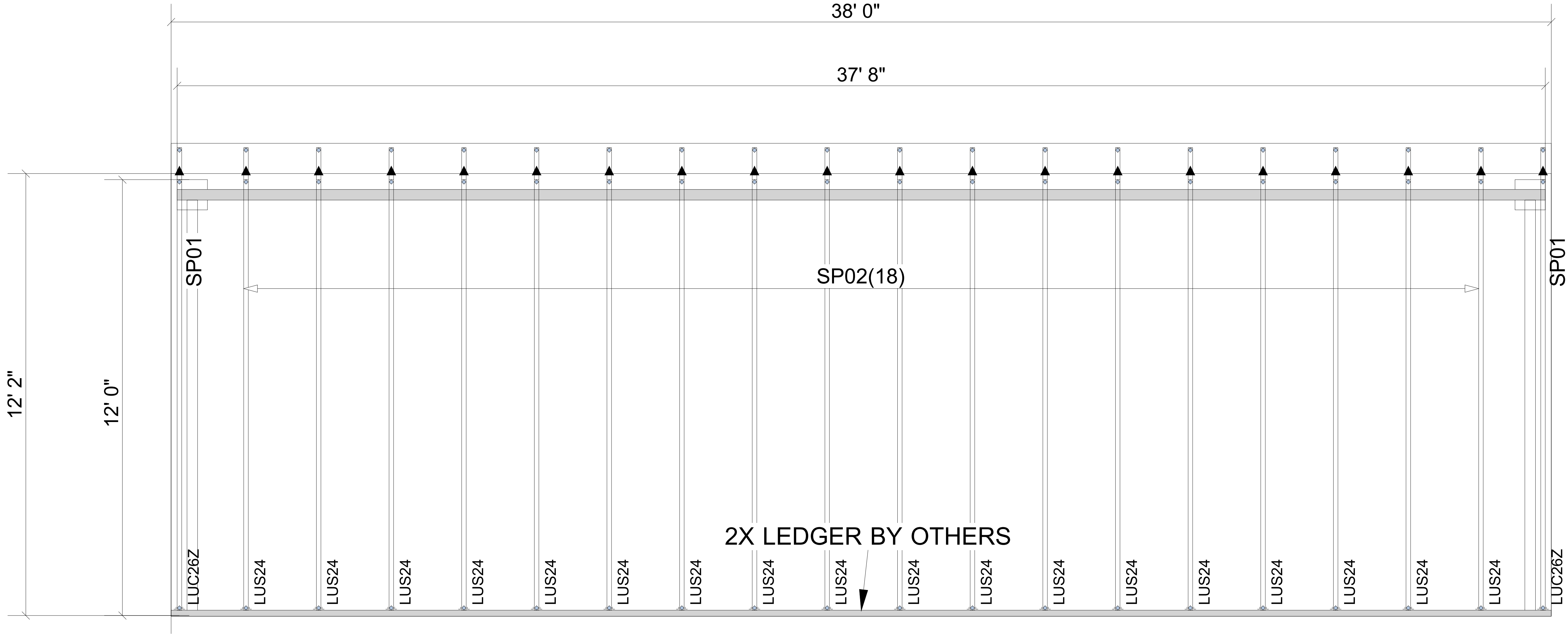


Moncks Corner/Easley, SC (800) 475-3999
Sparta, NC (336) 372-2226

REVISIONS:

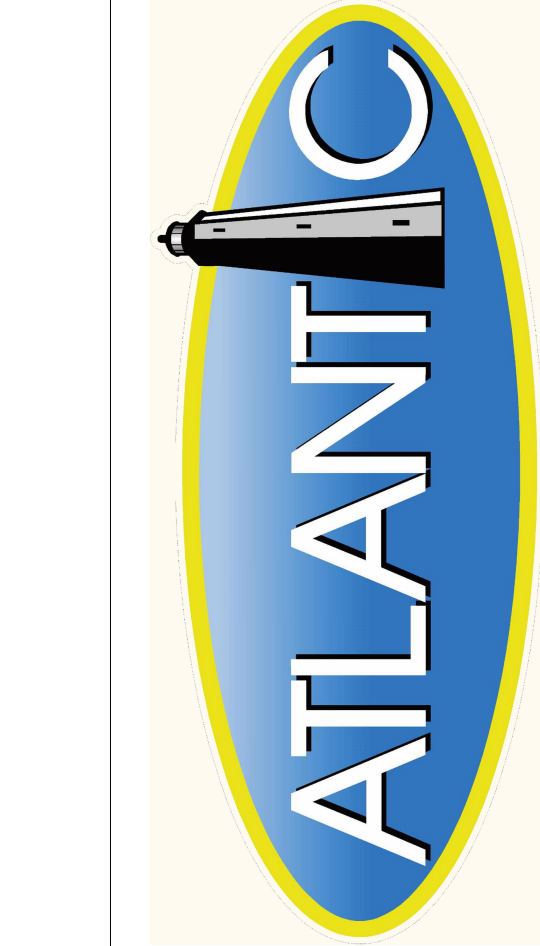
Client: DRB GROUP-RALEIGH	
Job: LOT 0.0013 HONEYCUTT HILL	
Plan Information: TOWNSEND-2	
NOT TO SCALE	Date: 02/20/25
Drawn By: CGT	Job #: 25-1795-R01 Sales Rep: KYLE GIBSON Phone:

ROOF



Truss Connector Total List		
Manuf	Product	Qty
Simpson	LUC26Z	2
Simpson	LUS24	18

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

REVISIONS:

▲ = LEFT END OF TRUSS

FOR PERMIT

Client: DRB GROUP-RALEIGH

Job: LOT 0.0013 HONEYCUTT HILL

Plan Information: TOWNSEND-2

NOT TO SCALE

Drawn By: CGT

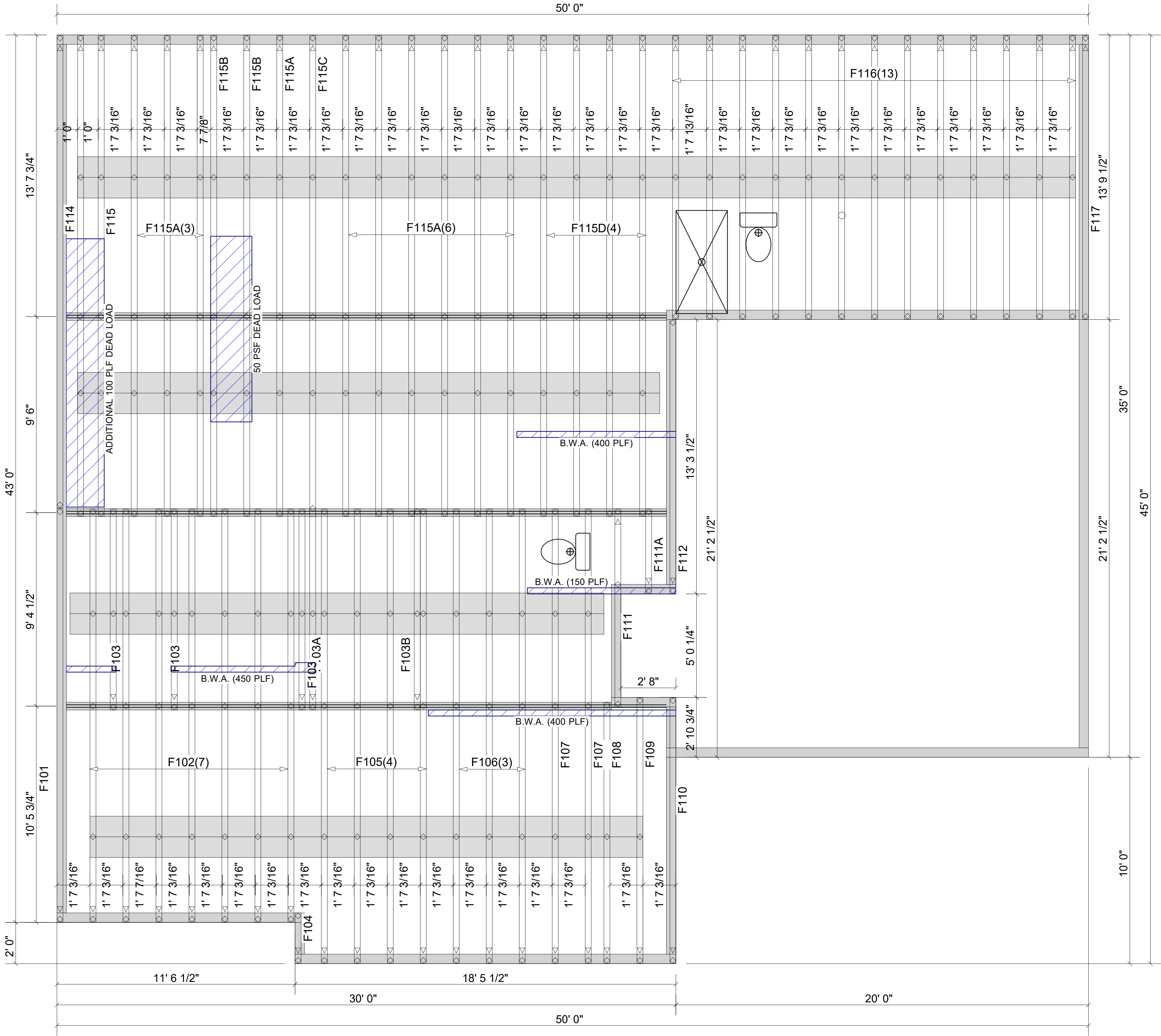
Date: 02/20/25

Job #: 25-1795-R01

Sales Rep: KYLE GIBSON

Phone:

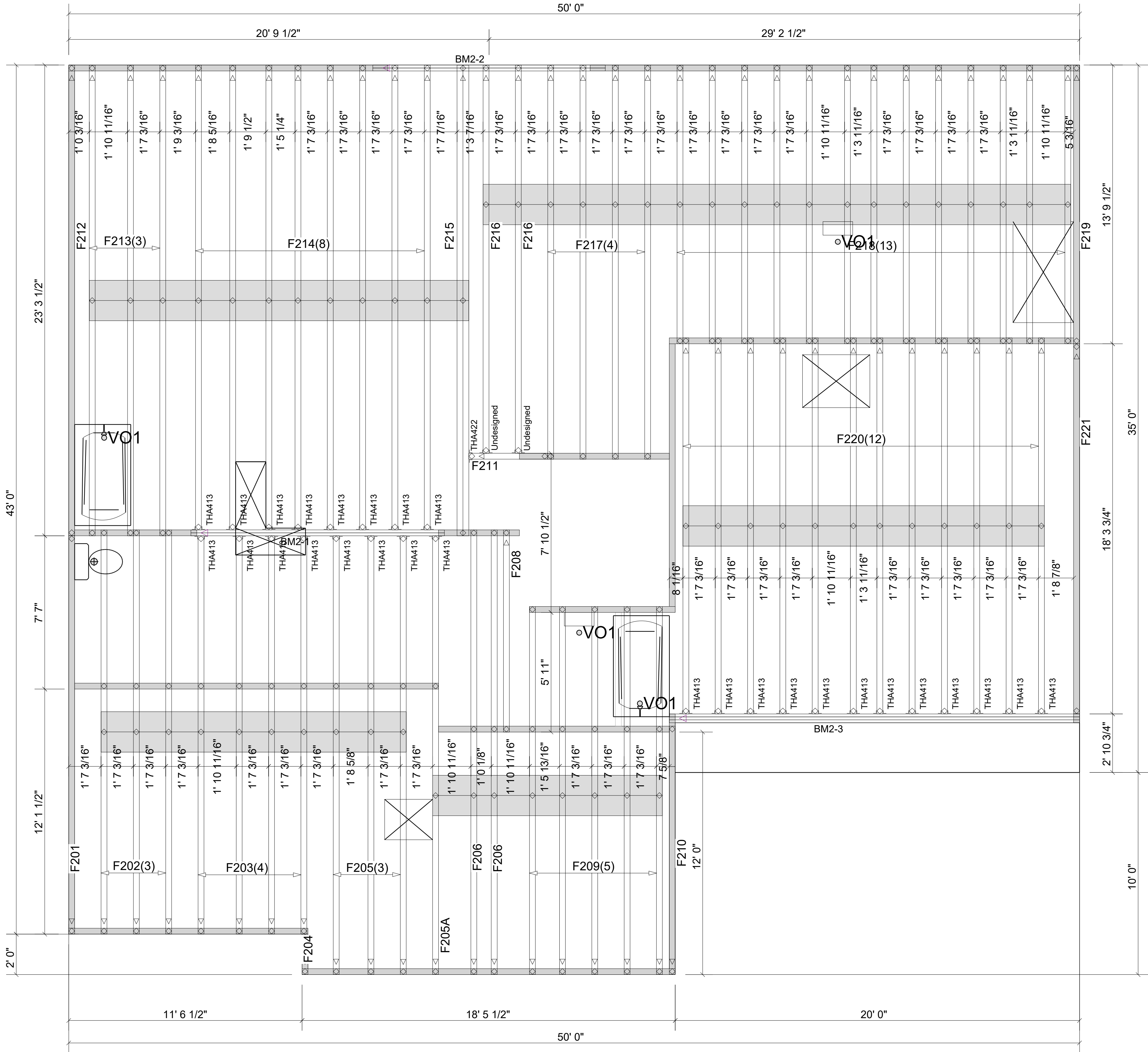
ROOF



▲ = LEFT END OF TRUSS

FOR PERMIT

 Moncks Corner/Easley, SC (800) 475-3999 Sparta, NC (336) 372-2226	REVISIONS:			Client: DRB GROUP-RALEIGH			FLOOR		
				Job: LOT 0.0013 HONEYCUTT HILL					
				Plan Information: TOWNSEND-2					
				NOT TO SCALE Drawn By: CGT			Date: 02/20/25 Job #: 25-1795-F01 Sales Rep: KYLE GIBSON Phone: 864-304-3282		



Products				
PlotID	Length	Product	Plies	Net Qty
BM2-1	14' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2
BM2-2	12' 0"	1-3/4" x 14" VERSA-LAM® 2.0 3100 SP	2	2
BM2-3	22' 0"	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP	3	3

Connector Summary			
Qty	Manuf	Product	Flange

Truss Connector Total List		
Manuf	Product	Qty
Simpson	THA413	28
	THA422	1

▲ = LEFT END OF TRUSS



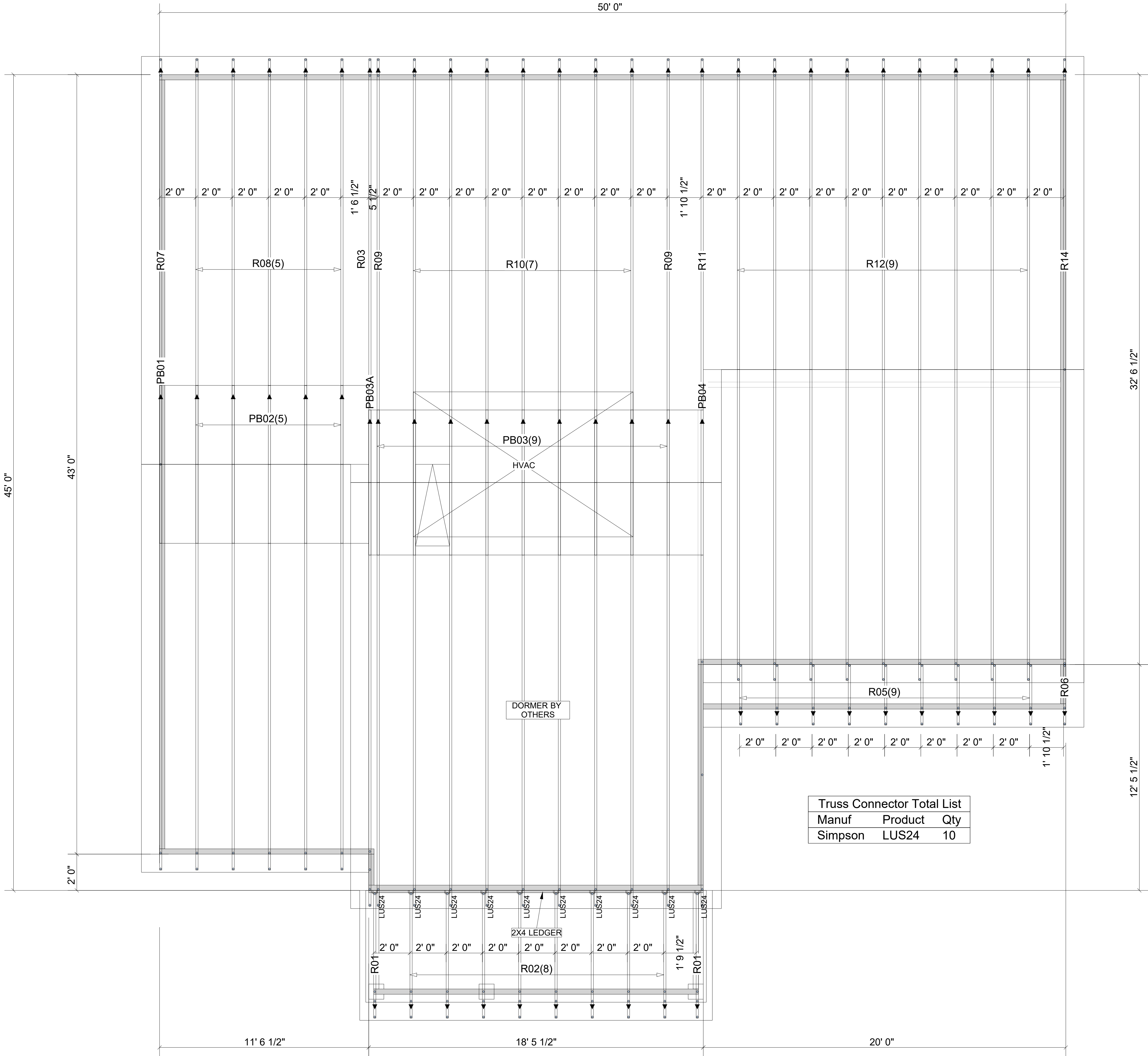
Moncks Corner/Easley, SC (800) 475-3999
Sparta, NC (336) 372-2226

REVISIONS:

FOR PERMIT

Cilient:	DRB GROUP-RALEIGH
Job:	LOT 0.0013 HONEYCUTT HILL
Plan Information:	
TOWNSEND-2	
NOT TO SCALE	Date: 02/20/25
Drawn By: CGT	Job #: Sales Rep: KYLE GIBSON
	25-1795-F02 Phone: 864-304-3282

FLOOR



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REVISIONS:



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FOR PERMIT

DRB GROUP-RALEIGH

LOT 0.0013 HONEYCUTT HILL

TOWNSEND-2

Client:

Job:

Plan Information:

NOT TO SCALE

Date: 02/20/25

Drawn By:

Sales Rep:

Phone:

CGT

R01

25-1795-R01

KYLE GIBSON

▲ = LEFT END OF TRUSS

ROOF