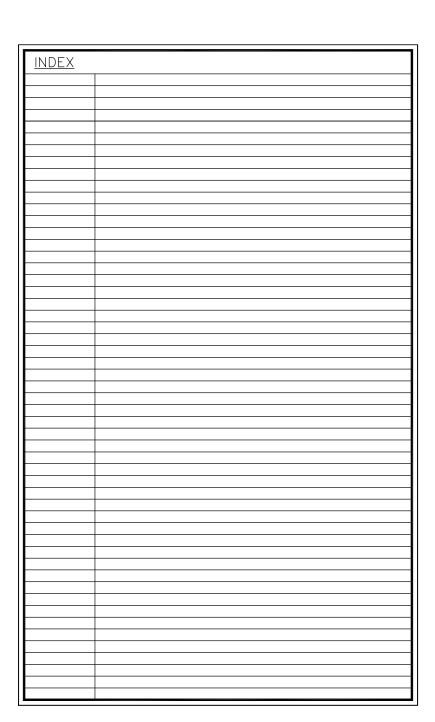
TOWNSEND-RALE

RALEIGH- LOT 00.0128 BLAKE POND SF

(MODEL# 3501) ELEVATION 2 - GR

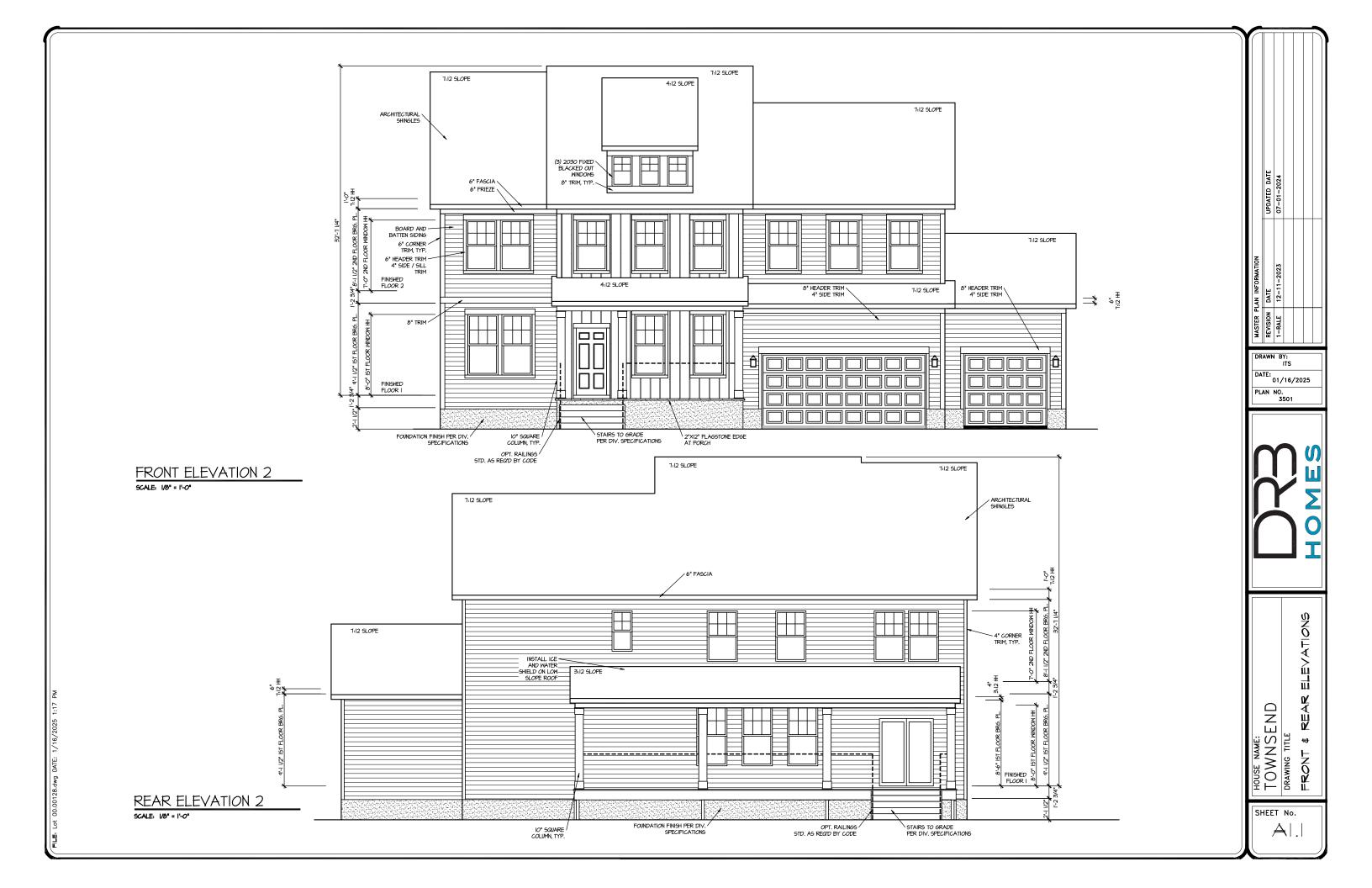


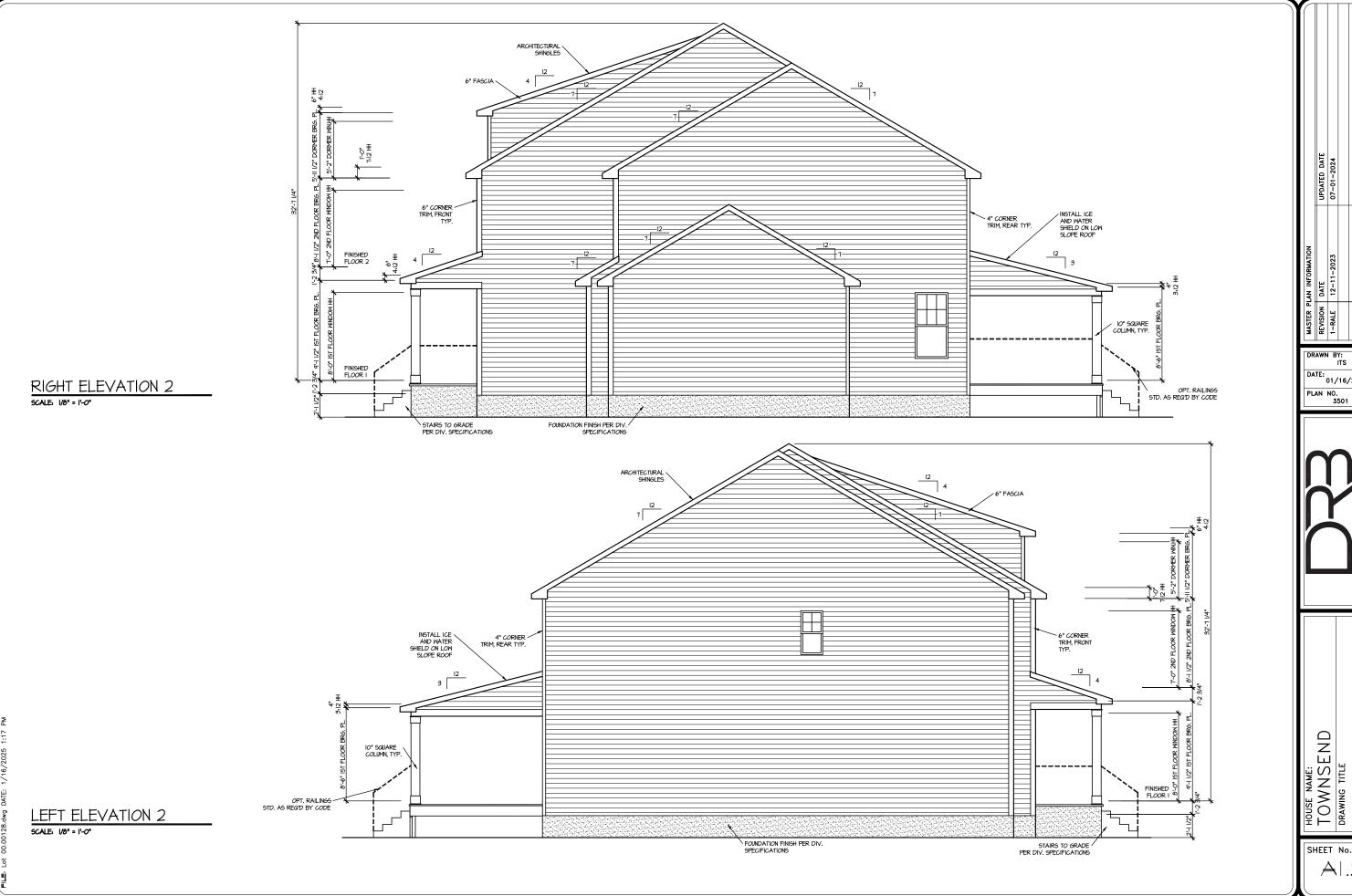


ABEA CALCULATIONS				
<u>AREA CALCULATIONS</u>			00//EDED /	
ELEVATION 2		HEATED	COVERED / UNHEATED	UNCOVERED
			UNITERIED	UNCOVERED
FIRST FLOOR		1588 SF		
GARAGE			439 SF	
FRONT PORCH - ELEVATION 2			116 SF	
SECOND FLOOR		1913 SF		
OPTIONS				
REAR COVERED PORCH			462 SF	
3RD CAR GARAGE			264 SF	
	TOTAL	3501 SF	1281 SF	

203 Great Smoky Place

		The state of the s
LOT	SPECIFIC	
1	LOT 00.0128	BLAKE POND SF
		TOWNSEND R1 ELEVATION 2
2	ADDRESS	203 GREAT SMOKY P1 LILLINGTON, NC 27546
I	1	





DATE: 01/16/2025

ELEVATIONS

07 □ ± 0 □ ± 1

SHEET No.

UPPER ROOF VENTILATION CALCULATIONS:
ROOF AREA = 20/1 50, FT.
OMERAL REQUEED VERTILATION.
1 10 300 50, FT.
1 10 300 50, FT.
50-008 IN TOP THIRD = 350 - 560 50, FT. (1 TO 300)
NET FREE AREA OF VENTIES DOFFT = 51 50, IN LINEAR FT.
NET FREE AREA OF RIDGE VENT = 10 50, IN LINEAR FT. LONER VENTING, (BOTTOM 2/3 RDS)

LOUILEAR FIET OF SOFFIT X 5.7 Sci. IN. = 3.46 Sci. FT.

IPPER VENTING. (CIP LIP SOE)

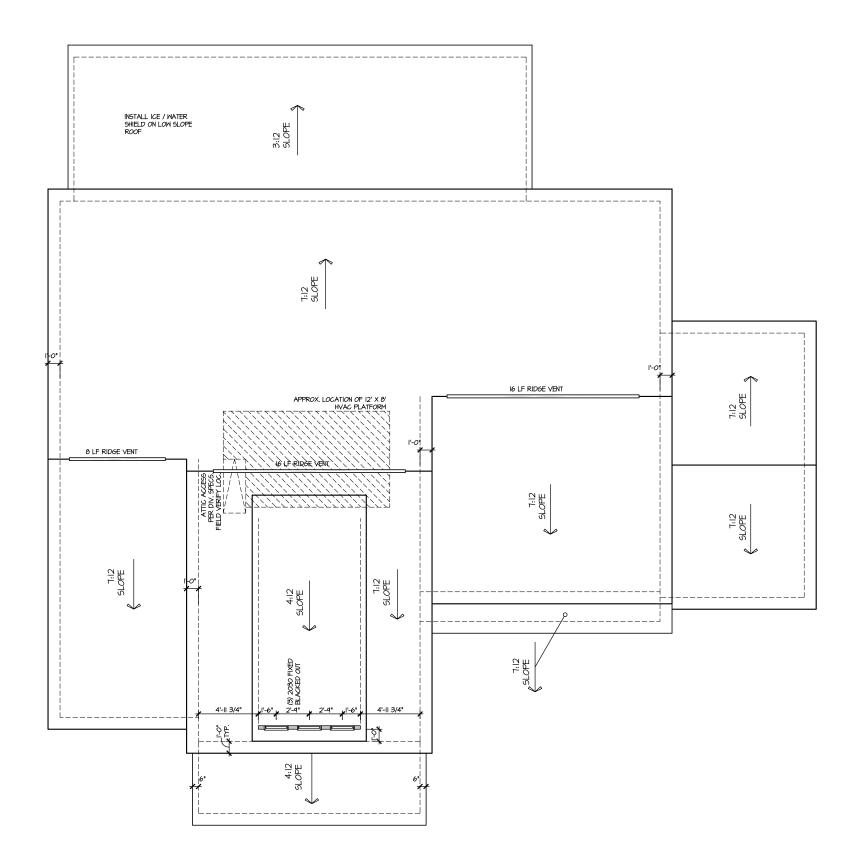
40 LINEAR FIET OF RIDGE X 10 Sci. IN. = 5.0 Sci. FT.

10 Sci. The VENTING Sci. IN. = 5.0 Sci. FT.

10 Sci. The VENTING Sci. IN. = 5.0 Sci. FT.

10 Sci. The VENTING Sci. IN. = 5.0 Sci. FT.

10 Sci. The VENTING Sci. IN. = 5.0 Sci. FT. (RGTD)

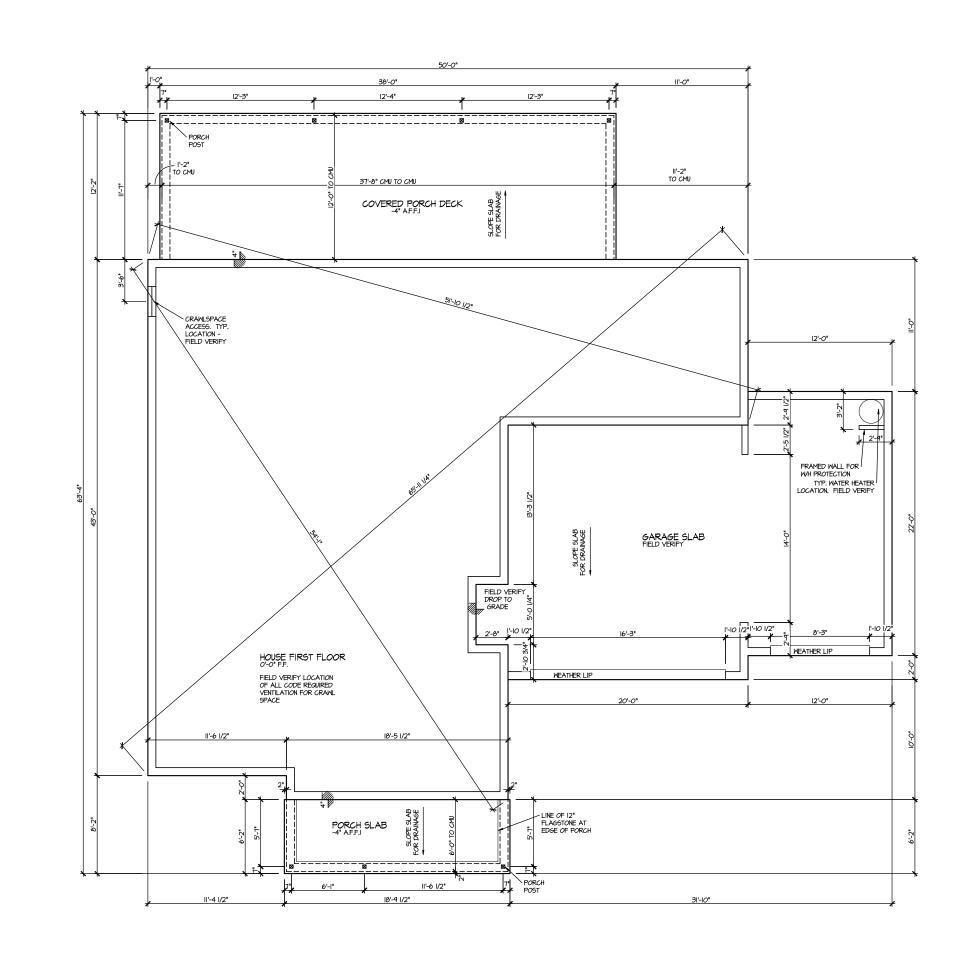


ROOF PLAN ELEV. 2

SHEET No.

HOUSE NAME:
TOWNSEND
DRAWING TITLE

DRAWN BY: DATE: 01/16/2025 PLAN NO. 3501



ELEVATION 2 CRAWL SPACE PLAN

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

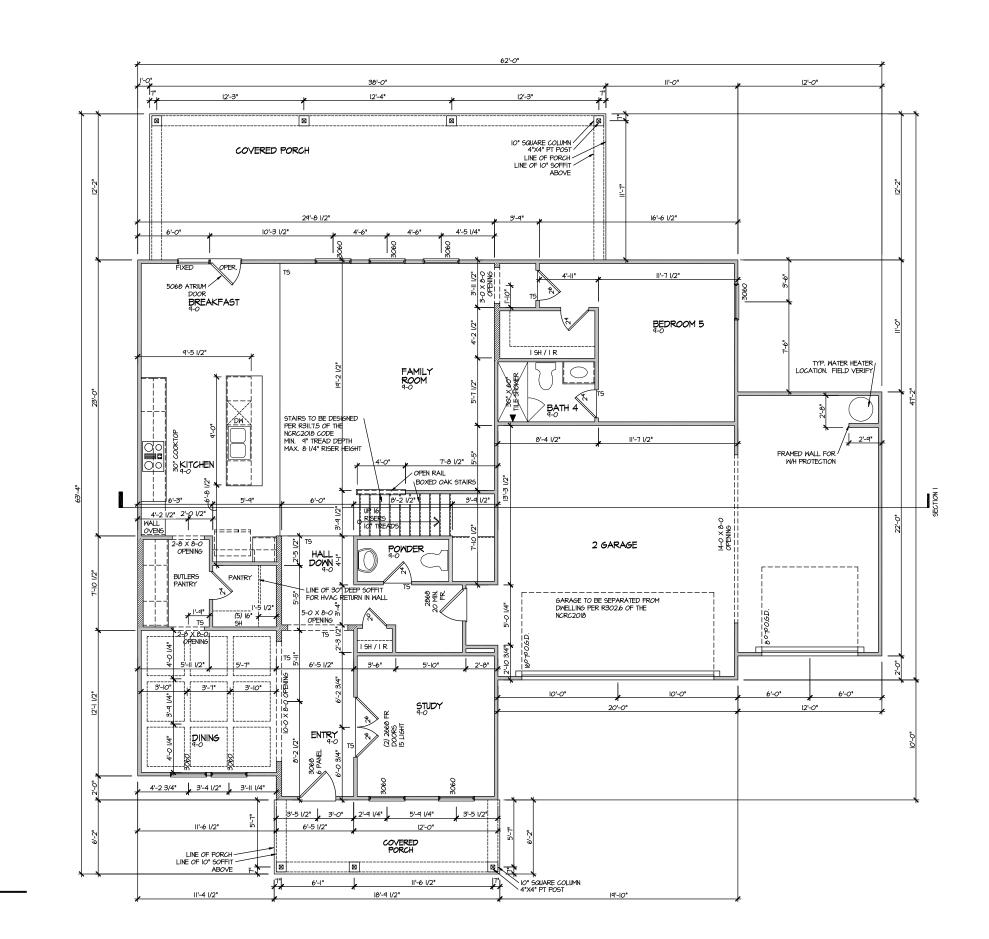
HOUSE NAME:
TOWNSEND
DRAWING TITLE
CRAML SPACE

のでみて国

DRAWN BY: DATE: 01/16/2025 PLAN NO. 3501

SHEET No.

A2.1



ELEVATION 2 FIRST FLOOR PLAN

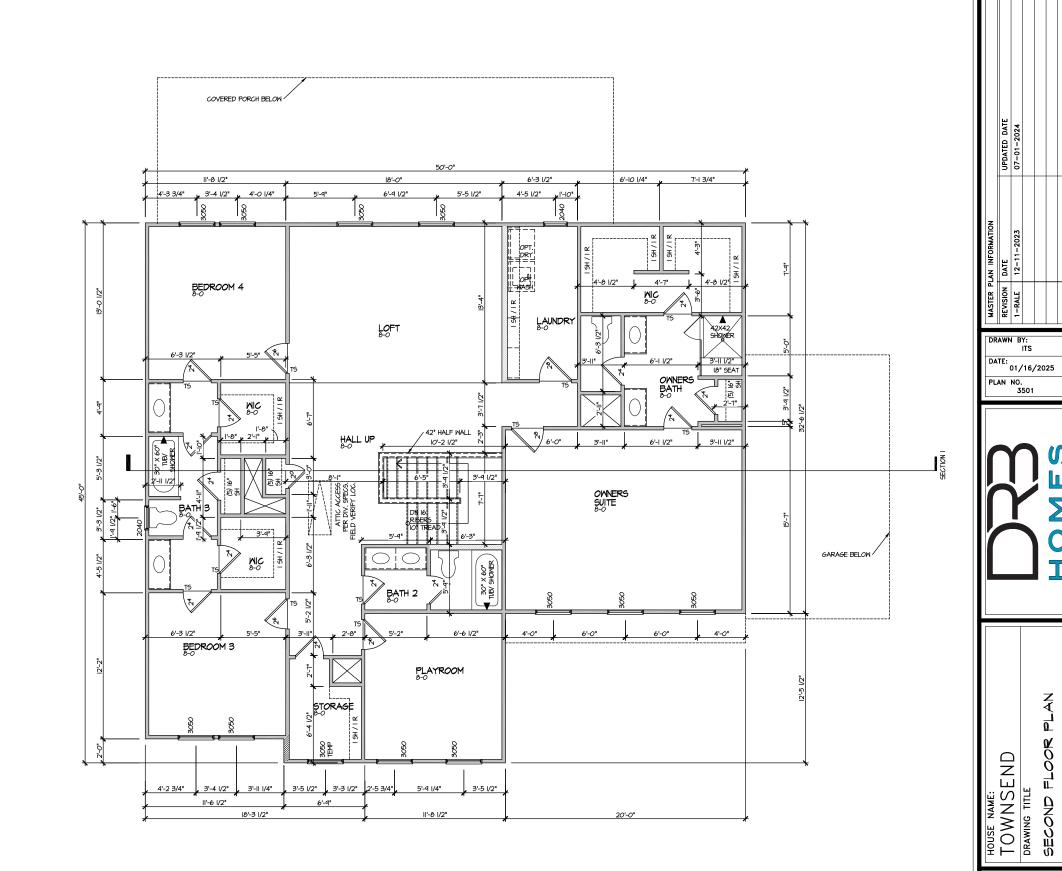
SCALE: 1/8" = 1'-0"

SHEET No.

HOUSE NAME:
TOWNSEND
DRAWING TITLE

DRAWN BY:

DATE: 01/16/2025 PLAN NO. 3501

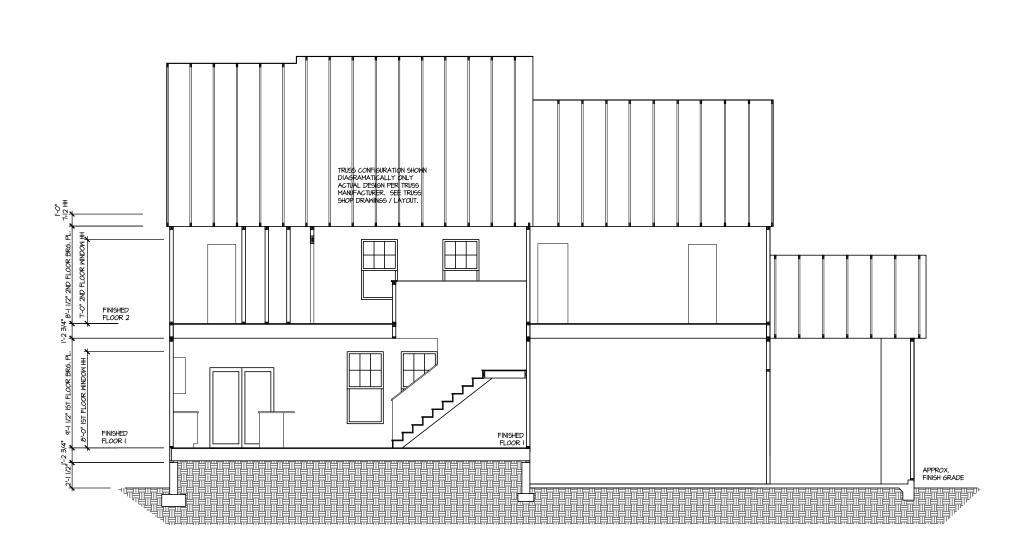


ELEVATION 2 SECOND FLOOR PLAN SCALE: 1/8" = 1'-0"

HOUSE NAME:
TOWNSEND
DRAWING TITLE
SECOND FLOOF

SHEET No.

A3.2



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

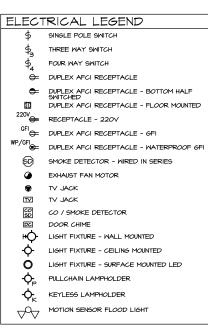
DRAWN BY:

DATE: 01/16/2025 PLAN NO. 3501

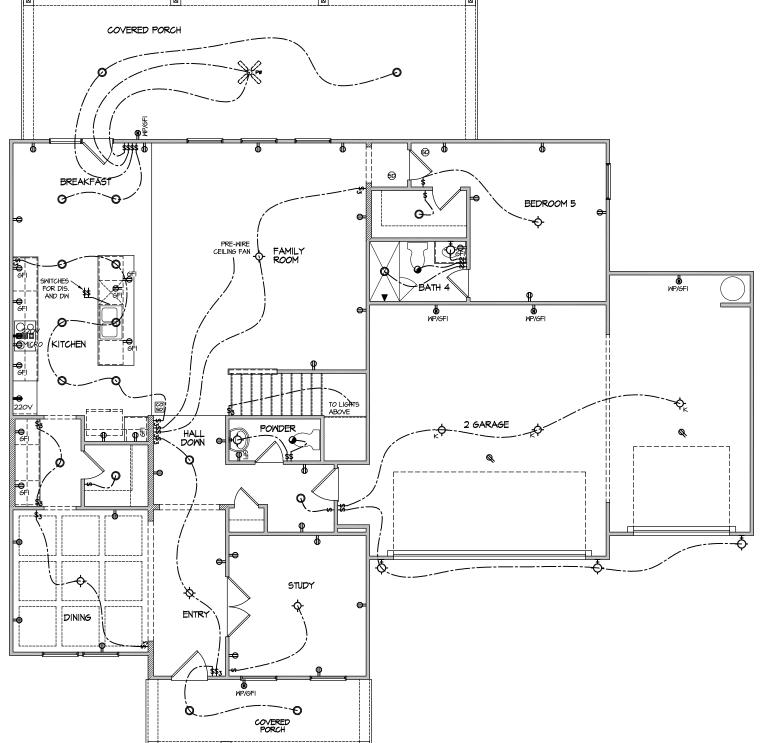


SECTION HOUSE NAME:
TOWNSEND
DRAWING TITLE
BUILDING SECTI

SHEET No. **A4**.



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 FIRST FLOOR - ELEV. 2

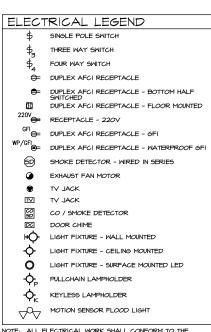
SCALE: 1/8" = 1'-0"

SHEET No.

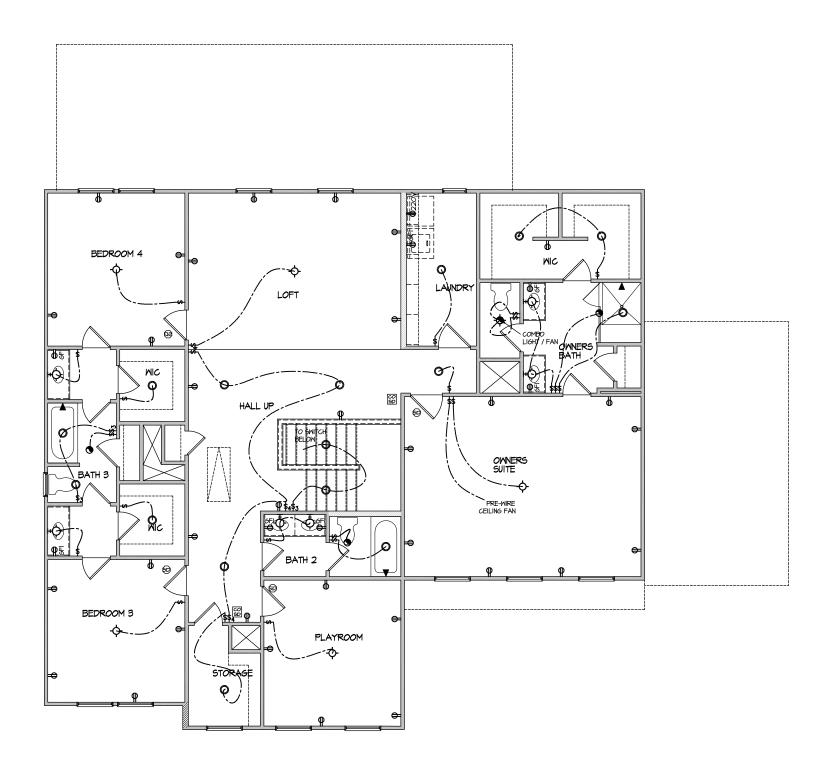
HOUSE NAME:
TOWNSEND
DRAWING TITLE

山

DRAWN BY: DATE: 01/16/2025 PLAN NO. 3501



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.



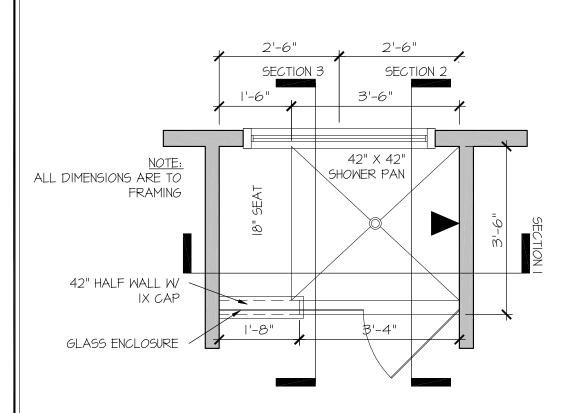
ELECTRICAL PLAN SECOND FLOOR - ELEV. 2 SCALE: 1/8" = 1'-0"

HOUSE NAME:
TOWNSEND
DRAWING TITLE
SECOND FLOOR

ᇳ

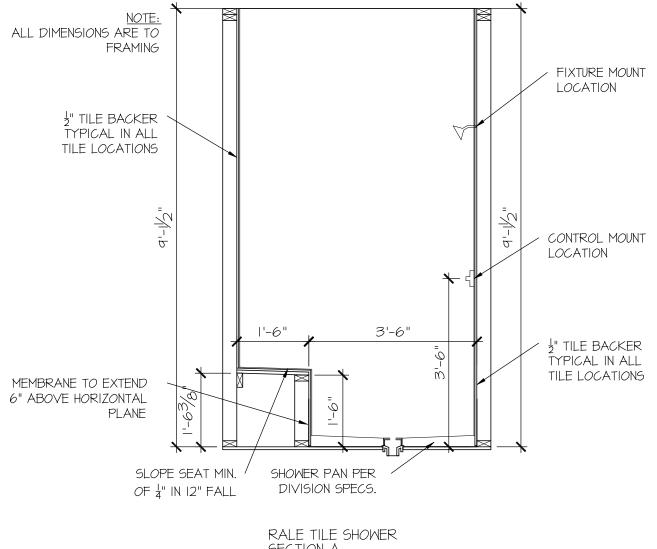
DRAWN BY: ITS DATE: 01/16/2025 PLAN NO. 3501

SHEET No.



RALE TILE SHOWER 42" X 42" W 18" SEAT

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



SECTION A

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

CONSULTANT LOGO

DRAWN BY: L. BEAVERS DATE: 9/1/22 PLAN NO.

11 X 17 SCALE

24 X 36 SCALE



DETAIL SHOWER RALE

SHEET No.



SEAL

DRAWN BY:
L. BEAVERS
DATE: 9/1/22

PLAN NO.

24 X 36 SCALE

~ "

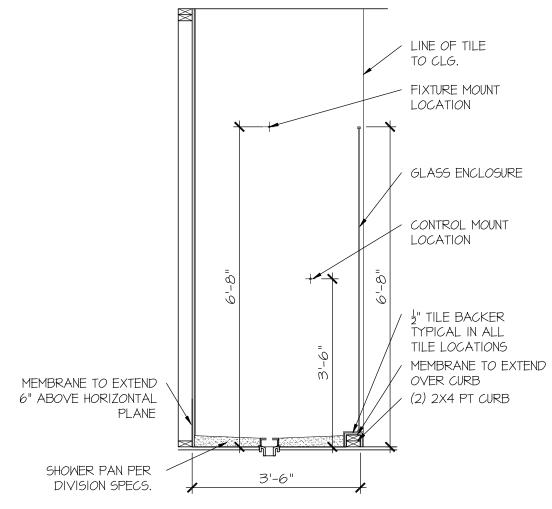


E ILE SHOWER DETAIL

OUSE NAME:

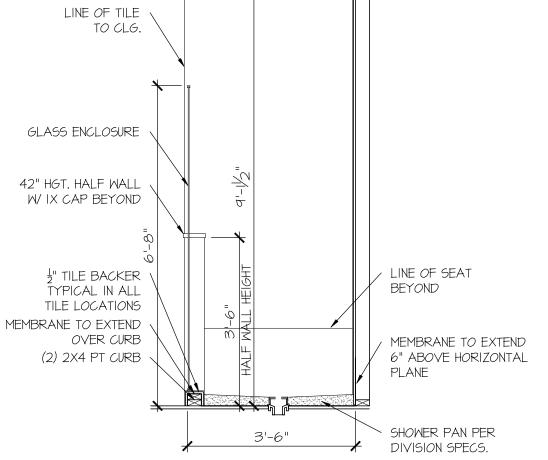
SHEET No.

P||.2



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





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

FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.

FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:

• 1/2" DIA. ANCHOR BOLTS • 6'-0" O.C, 7" MIN. EMBEDMENT

(CONC), 15" MIN. EMBEDMENT (CMU)

SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC.) SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU)

(REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS) ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2

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

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

CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UN.O.:

4,000 psi: FOUNDATION WALLS 2500 psi: FOOTINGS & INTERIOR SLABS ON GRADE 3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE 60,000 psi

BASEMENT FOUNDATION WALL DESIGN BASED ON:

· 9' OR 10' HEIGHT (AS NOTED ON PLANS)

- TALLER WALLS MUST BE ENGINEERED NOMINAL WIDTH (9 1/5" 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 IST 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 IO" CONCRETE DEPTH OVER OPENING OR (3)2x10 w/ (2)2x6 JACK STUDS, U.N.C

• LARGER OPENINGS SHALL BE PER PLAN.

ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMEN

ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE

• FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR

PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY

 \bullet JOINTS SHALL BE LOCATED $\ensuremath{\mathbf{e}}$ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)

. JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (I:I RATIO), WITH A MAXIMUM OF I:I.5 RATIO

· CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL

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 5. CMU DESIGN PER ACI 530 \$ 530.I.

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.

ONLY ACCEPTABLE WHERE * ARE SHOWN)

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

GENERAL STRUCTURAL NOTES

 DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE RESIDENTIAL CODE.

 WOOD FRAME ENGINEERING IS BASED ON NDS "NATIONAL DESIGN. SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.

 DESIGN LOADS: DEAD = 7 PSF T.C., IO PSF B.C.

LOAD DURATION FACTOR = 1.25

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (I-JOISTS & SOLID SAWN) IO PSF T.C., 5 PSF B.C. (TRUSSES)

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

2,000 PSE 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. U.N.O.

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

• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 16" O.C. (MAX., U.N.O.)

. HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'.

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

• ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING: 'LSL' - Fb=2325 psi, Fv=310 psi, E=1.55x10^6 psi 'LVL' - Fb=2600 psi; Fv=285 psi; E=2.0xl0^6 psi

FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR

• 'PSL' - FB=2900 PSI; FV=290 PSI; E=2.0XIO^6 PSI M+K SHALL BE FULLY INDEMNIFIED FOR ANY AND ALL ISSUES RESULTING FROM OR RELATED TO ANY BUILDING COMPONENT IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO MH

• 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"x31/2" SIMPSON SDS SCREWS (OR 31/4" TRUSSLOK SCREWS) @ 16" O/C. USE 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

• 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. LISE 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 - 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.I3I"

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 I/2" DIA, BOLTS @ 48" O.C. STAGGERED.

• ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARBI F FLOORS - CONTACT M&K FOR MARBI F FLOOR DESIGNS)

AT I-JOIST FLOORS, PROVIDE I 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 I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W GLUE AND

- 2 🖟 x 0.131" NAILS @ 6"0.c. @ PANEL EDGES & @ 12"0.c. FIELD.

- 2 3" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES \$ @ 8" O.C. FIELD. - 2 3" 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 FACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H25T CLIP (OR APPROVED EQUAL) • ALL BEARING POINTS. PROVIDE (2) H2.51 CLIPS AT 2-PLY GIRDER TRUSSES (3) H2 5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS

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

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

SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (MAX 7' SPAN) W 2x4 | FDGFR 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 1/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBER

- W/ 2 ½" × 0.131" NAILS @ 6"o.c. @ PANEL EDGES \$ @ 12" O.C. FIELD.

- W/ 2 3 × 0.120" NAILS @ 4"o.c. @ PANEL EDGES \$ @ 8" O.C. FIELD. - w/ 2 (× 0.113" NAILS • 3"o.c. • PANEL EDGES & • 6" O.C. FIELD.

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
₩D-I	SIMPSON HTT4 HOLD-DOWN *
HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)
№ HD-3	SIMPSON STHDI4/I4RJ HOLD-DOWN

ALTERNATIVE TO SSTB24 ANCHOR BOLT SPECIFICATION UTILIZE SIMPSON "SET" EPOXY SYSTEM TO FASTEN % DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE INSTALL PER MANUF, RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF FOUNDATION

LEGEND

INTERIOR BEARING WALL

● □===□ BEARING WALL ABOVE

● ■ FF BEAM / HEADER

• = = INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING

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

INDICATES HOLD-DOWN OR STRAP.

NON-BEARING HEADER SCHEDULE

5PAN	2x4 Non-Bearing Partition Wall	2x6 NON-BEARING PARTITION WALL	
UP TO 3'-0"	(I)2x4 FLAT	(I)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 MALL SHEATHING SPECIFICATIONS

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

20 MPH WIND IN 2018 NCSBC:RO (120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRG R301,21,1) EXP. B. RISK CAT. 2 & SEISMIC CAT. A/B

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R30113 OF THE 2018 NCSBC-RC OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY CCORDINGLY, 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 NCSBC:RC SECTION R802.II.I. 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 ¾"x0.II3" 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: 1½" 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 36" × 0.113" NAILS € 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 134" 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.

 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 SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

NOTES

 DESIGN ASSUMES 16" O.C MAX, STUD SPACING, U.N.O. • ALL STRUCTURAL PANELS ARE TO BE DIRECTLY

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)

OR 3" O.C. OSB SHEARWALL. INDICATES HOLDOWN 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 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

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING FLEMEN 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 VERIEY LEVELNESS AND MAKE AD LISTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY OR WARRANTY TOLERANCES.

ADDITIONAL NOTES FOR TRUSS & <u>I-JOIST MANUFACTURER</u>

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

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

ROOF TRUSSES: I/A" DEAD LOAD

FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: I/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)

VENEER LINTEL SCHEDULE

ŠO STEEL ANGLE SIZE 3'-0" 20 FT, MAX L3"x3"x%" 3 FT, MAX L3"x3"x¼" I2 FT, MAX L4"x3"x/4" 20 FT. MAX L5"x3½"x%;" 3 FT, MAX L4"x4"x¼" * 12 FT. MAX L5"x3%"x%;" I6 FT, MAX L6"x3%"x% 9'-6" 12 FT. MAX L6"x3%"x%" 2 FT. MAX L7"x4"x½" ** 3 FT. MAX L8"x4"x/5" **

L HANGE 4' HIN BEARNIG I HAVE B' HIN BEARNIG IN HOT DE FASTENED BUCK TO HEADER. IN WALL @40'CC. W ½' DIA. x 3 ½' AG SCREDE IN 2' LONG VERTICALLY SLOTTED KOLES. BERR IT, APPLES TO ANY FORTION OF BRICK OVER THE OPENING.

THAT THE APPLIED ID AND THE CAPILAR OF BROCK OVER THE OPENING.

LLIMITES SHALL BE LIGH LIES VERTICAL.

WHI SHPOKTHIS VEETS OF MICE THE EXTEROR TOE OF THE HORIZONTAL LEG

HAY ECT ON IN THE FILL TO EET 25' MICE OVER THE BEARNIS LIBRID ONLY. THIS

ESTRUCTURAL FLASH FOR AN' LIMITEL CANDITION NOT ENCOMPASSED BY THE

ESTRUCTURAL FLASH FOR AN' LIMITEL CANDITION NOT ENCOMPASSED BY THE

ESTRUCTURAL FLASH FOR AN' LIMITEL CANDITION NOT ENCOMPASSED BY THE

ESTRUCTURAL FLASH FOR AN' LIMITEL CANDITION NOT ENCOMPASSED BY THE

ESTRUCTURAL FLASH FOR AN' LIMITEL CANDITION NOT ENCOMPASSED BY THE

* FOR QUEEN VENEER USE L4x3水。 ** FOR 3½" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" THICK,

SD2.I REFERS TO SD2.IA FOR FOR STEEL BEAMS

LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC

FLITCH OPTION

STEEL OPTION

ENGINEERED BEAM MATERIAL SCHEDULE

LSL OPTION

001 '2)2xi0 + (1) 从"xii以" STEE1 FLITCH PLATE - H N/A (2)13/4"x9/4" - H 3 K"xqK" - H (2)13/4"x915" - F 2)2x12 + (1) %"xIK4" STEEL FLITCH PLATES - F 002 (2)134"x14" - 1 WI2xI4 3%"x|4" - F (3)2xl2 + (2) %"xll4" TEEL FLITCH PLATES -003 (3)13/4"x18" - FT 51/4"x18" - FT N/A WI2x26 - F 004 N/A N/A N/A N/A N/A 005 '2)2x10 + (1) 从"x1以" STEE1 FLITCH PLATE - F N/A (2)13/4"x14" - 1 (2)|3/4"x|4" - F 3 K"x|4" - I '2)2xl2 + (l) %"xl以" STEE FLITCH PLATES - F 006 (2)13/4"x14" -N/A N/A 3%"x|4" - F 3)2x12 + (2) ¼"x1¼" STEE FI ITCH PI ATES - F 007 (3)19/4×14" - F 5¼"xl4" - F (4)13/4"×14" - F WI2xI4 - F 2)2x12 + (1) %"xIK;" STEEL FLITCH PLATES - F 008 (2)|3/2"x|4" - | 36"x14" - F (3)13/4"×14" - F WI2xI4 - F 009 (2)|3/4"×|4" - | N/A 3½"xl4" - F N/A N/A (2)2x10 + (1) 从"x1以" STEEL FLITCH PLATE - H 010 (2)13/4"×91/4" -NΑ (2)134"×915" - H 3½"x9¼" - H (2)2x10 + (1) ¼"x11¼" 5TEE1 FLITCH PLATE - H OII (2)13/4"×9/4" - H (2)134"×915" -N/A 012 (2)|3/4"x|4" - H 3½"x14" - H NΑ N/A NΑ 013 N/Α N/A (3)194"×94" - + 36"x74" - H 014 N/A N/A (3)134"x16" - FB N/A 5¼"xl6" - FB 015 (2)13/4"×14" - F N/A N/A (2)13/4"×14" - F N/A N/A N/A 016 (3)13/4"x18" - FT 5½"xl8" - F1 017 NΑ (2)13/4"x14" - F (2)13/4"×14" - F 3%"x14" - F 018 N/A NΑ (3)13/4"×11/4" - D 5½"xI½" - D 3)1%"×11¼" - D Old (4)15/."v|4" ... N/Α N/A 020 N/A NΑ (2)13/4"x14" - F (2)|3/4"x|4" - F 3%"xl4" - F

- "FT" INDICATES FLUSH TOP BEAN

"D" INDICATES DROPPED BEAM

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

DESCRIPTION OF BLDG, ELEMENT 3"x0.131" NAILS 3"x0120" NAII S (3) TOENAILS* IOIST TO SOLE PLATE (3) TOENAILS (3) NAILS @ 4" o. (3) NAILS @ 4" c OLE PLATE TO JOIST/BL! TUD TO SOLE PLATE (2) TOENAILS (3) TOENAILS* M TO TOP PLAT OFNAILS @ 8" TOFNAILS @ 6" O LK'G. BTWN. JOISTS (3) TOENAILS (3) TOENAILS* NAILS @ 16" 0.c DOUBLE STUD NAILS @ 24" o. OUBLE TOD DLAT NAILS @ 16" o.c OUBLE TOP PLATE LAP SPLICE (9) NAILS IN LAPPED AREA (II) NAILS IN LAPPED AREA (2) NAILS OP PLATE LAP @ CORNERS & (2) NAILS 2/5"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS.

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

3" O.C. EDGE NAILING

SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.

APPLIED TO STUD FRAMING PRE-MANUFACTURED PANELIZED WALLS

INDICATES EXTENT OF INT. OSB SHEARWALL

LVL OPTION

PSL OPTION

BEAM NOTATION: - "F" INDICATES FLUSH 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

PLATES IN SICCESSION W/ (2) 3"x0 120" NAILS @ 8" OC

H CAA SKOFESSIO, ENGINE SEPH T. P

1/27/2

ERN+KU



M&K project number 126-2306 ITE

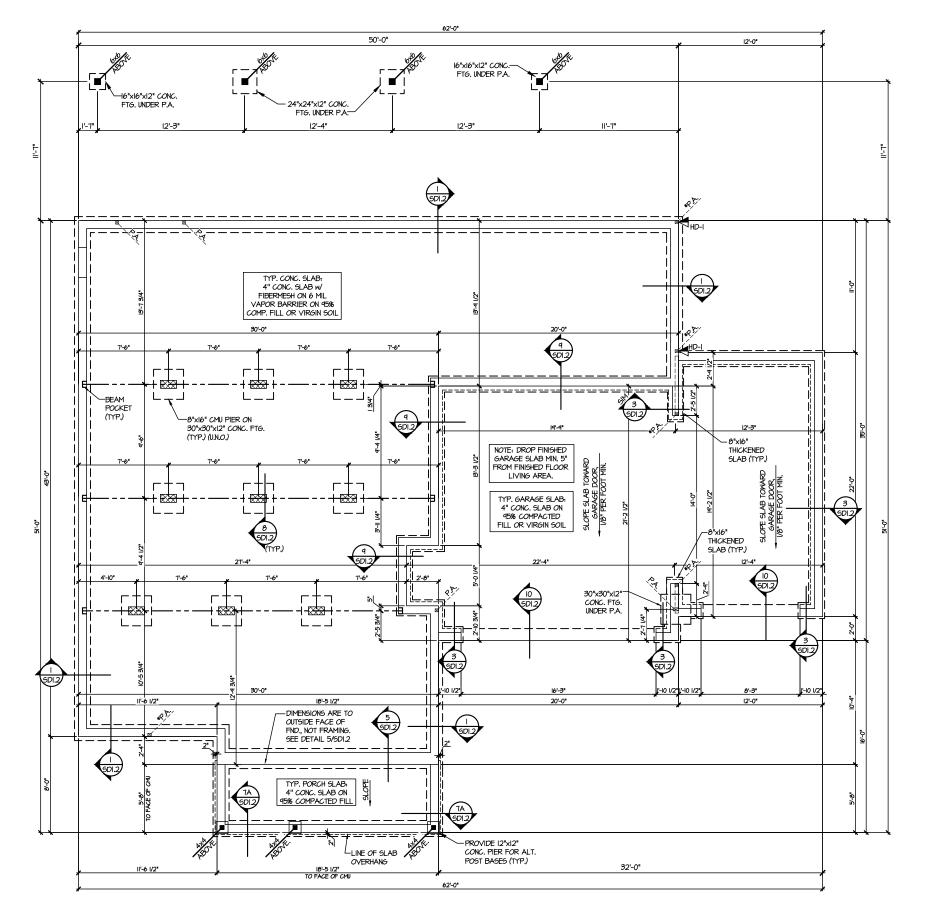
ue date: 01-20-2 FVISIONS

KF(

awn by:

COMMUNIT

NSEND KE \triangleleft BL, LOJ RAJ



1/27/25 H CAA

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERINS

M&K project number:

126-2306

JTF KFG drawn by: ssue date: 01-20-25

BLAKE POND COMMUNITY LOT 128 - TOWNSEND 2 RALEIGH, NC

== 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.

LEGEND

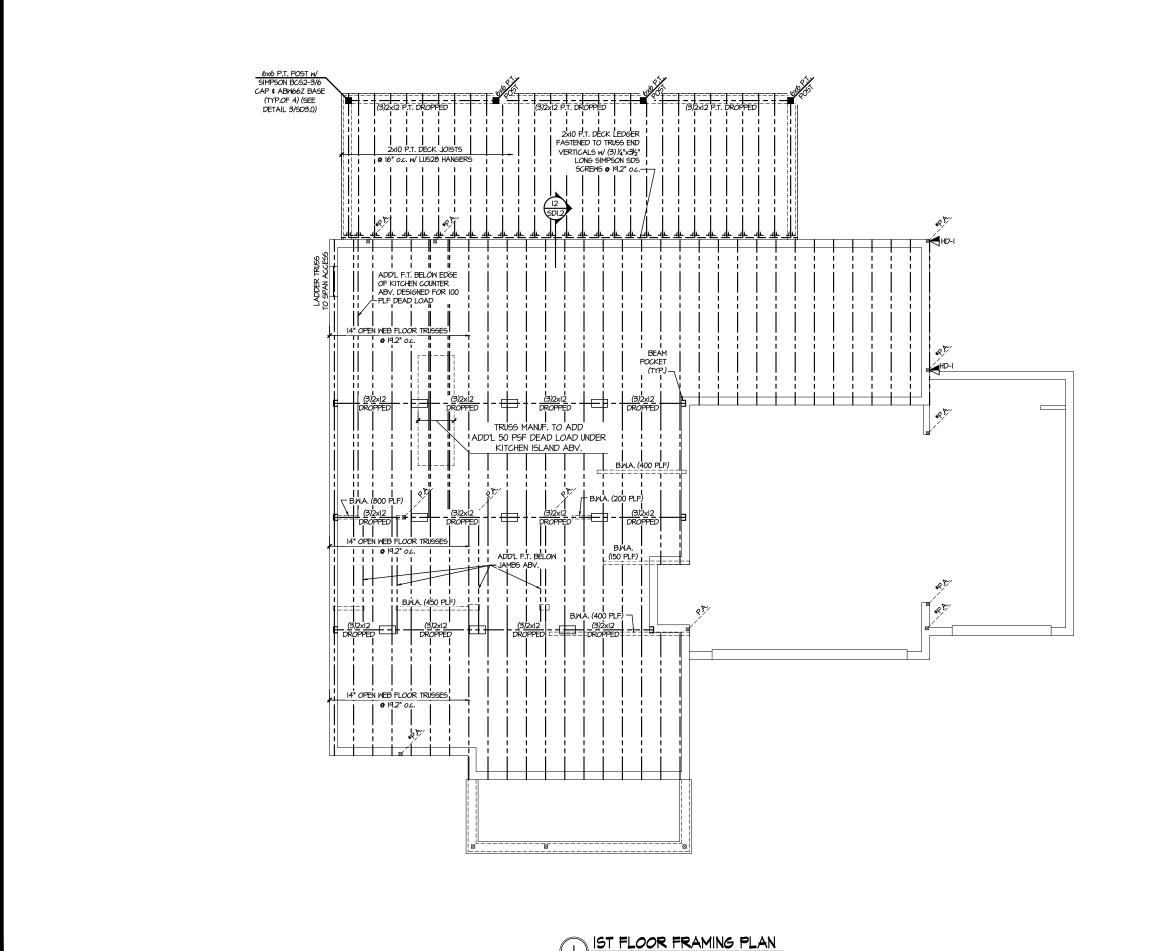
• IIIIII INTERIOR BEARING WALL • □===□ BEARING WALL ABOVE

• ----- BEAM / HEADER

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

S1.0

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



1/27/25 H CAR SEPH T. RI

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINERING 300 Decision Available Par 19002 p. 215-94-6001 - mallemengage.



M&K project number: 126-2306

JTR KFG drawn by: issue date: 01-20-25

REVISIONS:

initial:

SEE SO.O FOR BEAM SCHEDULE

LEGEND

• INTERIOR BEARING WALL ● □===□ BEARING WALL ABOVE

• ---- BEAM / HEADER

• = = INDICATES SHEAR WALL & EXTENT

EXTENT OF OVERFRAMING

JL METAL HANGER

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

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

& SCHEDULES

BLAKE POND COMMUNITY LOT 128 - TOWNSEND 2 RALEIGH, NC

ROOF TRUSSES @ 24" O.C.

2xIO LEDGER FASTENED TO TRUSS END VERTICALS W/(3)¼" DIA. x 3½" LONG SIMPSON SDS SCREWS

(2)2x10

4x4 P.T. POST w/ SIMPSON BCS2-2/4 CAP & BC46 BASE (SEE DETAIL 3/SD3.0) (TYP. OF 4)



1/27/25

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

M&K project number: 126-2306

drawn by:

JTF

KFC ssue date: 01-20-25

ENGINEERED BEAM MATERIAL SCHEDULE						
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION	
001	(2)134"×94" - H	3 ½"×4¼" - н	(2)194"x91/2" - F	(2)2xi0 + (i) 以"xi以" STEEL FLITCH PLATE - H	N/A	
002	(2)13/4"×14" - F	3½"xl4" - F	(3)134"×14" - F	(2)2xl2 + (l) %"xll"," STEEL FLITCH PLATES - F	WI2xI4	
003	(3)13/4"x18" - FT	5¼"xi8" - FT	N/A	(3)2xl2 + (2) %"xll4" STEEL FLITCH PLATES - F	WI2x26 - F	
004	N/A	N/A	N/A	N/A	N/A	
005	(2)13/4"×14" - F	3½"xi4" - F	(2)1 ³ / ₄ "x14" - F	(2)2xi0 + (I) ¼"xil¼" STEEL FLITCH PLATE - F	N/A	
006	(2)134"×14" - F	3½"xl4" - F	N/A	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - F	N/A	
001	(3)19/4"×14" - F	5¼"xi4" - F	(4)1¾"x14" - F	(3)2xi2 + (2)以"xi以" STEEL FLITCH PLATES - F	WI2xI4 - F	
008	(2)134"×14" - F	3½"x 4" - F	(3)134"×14" - F	(2)2xl2 + (l) %"xl以" STEEL FLITCH PLATES - F	WI2xI4 - F	
009	(2)13/4"×14" - F	3½"x 4" - F	NA	N/A	N/A	
010	(2)13¼"×9¼" - H	3½"×9¼" - H	(2)19%"×91/2" - H	(2)2xl0 + (I) ¼"xll¼" STEEL FLITCH PLATE - H	N/A	
OII	(2)134"×944" - H	3½"x9¼" - H	(2)19%"×91/2" - H	(2)2xl0 + (I) ¼"xll¼" STEEL FLITCH PLATE - H	N/A	
012	(2)13/4"×14" - H	3½"xI4" - H	NA	N/A	N/A	
013	(3)13¼"×4¼" - H	3½"×7¼" - H	N/A	N/A	N/A	
014	(3)13/4"x16" - FB	5¼"xl6" - FB	N/A	N/A	N/A	
015	(2)134"×14" - F	3½"xl4" - F	(2)13/4"×14" - F	N/A	N/A	
016	(3)13/4"x18" - FT	5¼"xið" - FT	N/A	N/A	N/A	
017	(2)13/4"×14" - F	3½"xl4" - F	(2)13/4"×14" - F	N/A	N/A	
018	(3)134"×114" - D	5¼"xII¼" - D	(3)194"×1114" - D	N/A	N/A	
OIA	(4) 3/4"× 4" - F	7"xl4" - F	N/A	N/A	N/A	
020	(2)13/4"×14" - F	3½"xl4" - F	(2)1 3 4"x14" - F	N/A	N/A	

- "F" INDICATES FLUSH BEAM

PLATES IN SUCCESSION W (2) 3"XOIZO" NAILS 6 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.I REFERS TO SD2.IA FOR LVL/PSL/LSL BEAMS OR SD2.IB FOR FLITCH BEAMS OR SD2.IC FOR STEEL BEAMS

LEGEND

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

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

(SEE NOTES) 2ND FLOOR FRAMING PLAN - "F" INDICATES FLUSH BEAM
- "T" INDICATES FLUSH BOTTOM BEAM
- "B" INDICATES DRUSH BOTTOM BEAM
- "p" INDICATES DROPPED BEAM
- "h" INDICATES DROPPED DEAM
- "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 BEAM'S PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN
DIATES IN GIV/PEGAIN W (7) 3"YO 170" NAIL 6, 9 8" C.C.

COMMUNITY SEND 2 BLAKE POND CON Lot 128 - Townsend 2 Raleigh, nc

S3.0

1/27/25

JTR drawn by: KFG issue date: 01-20-25

REVISIONS:

initial:

LEGEND

• = = INDICATES SHEAR WALL & EXTENT

* INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE. INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

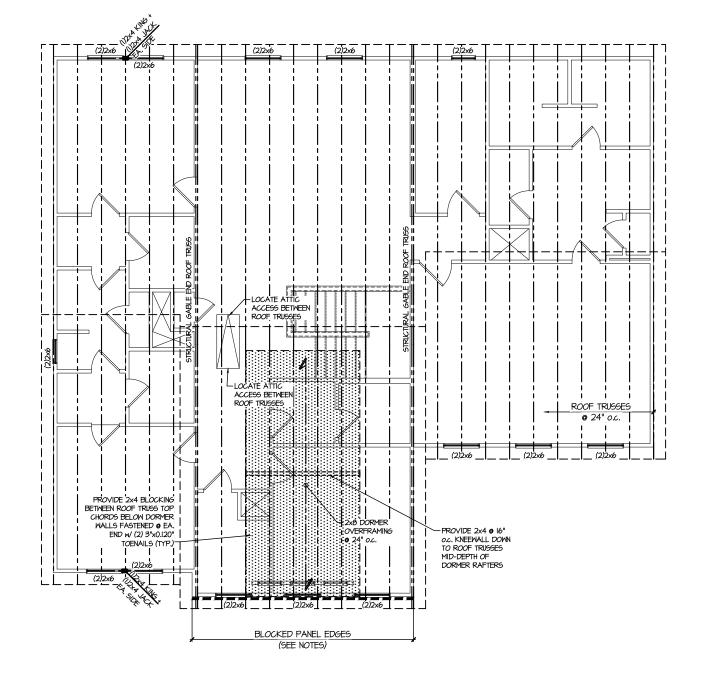
\$ SCHEDULES

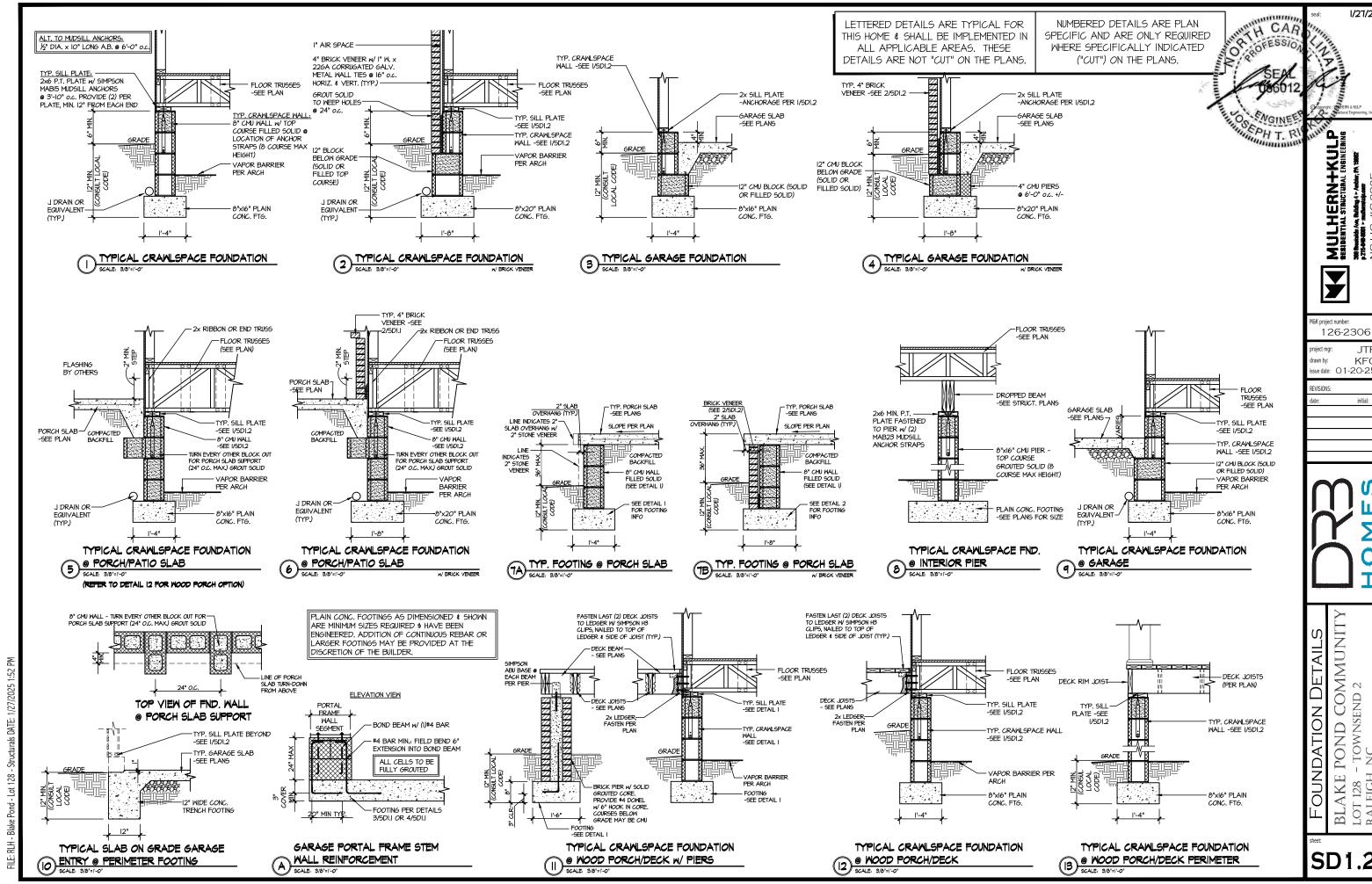
 IIIIIIII INTERIOR BEARING WALL ● □□□□□ BEARING WALL ABOVE BEAM / HEADER

EXTENT OF OVERFRAMING

JL METAL HANGER

BLAKE POND COMMUNITY Lot 128 - Townsend 2 Raleigh, nc





LOT 128 Raleigh

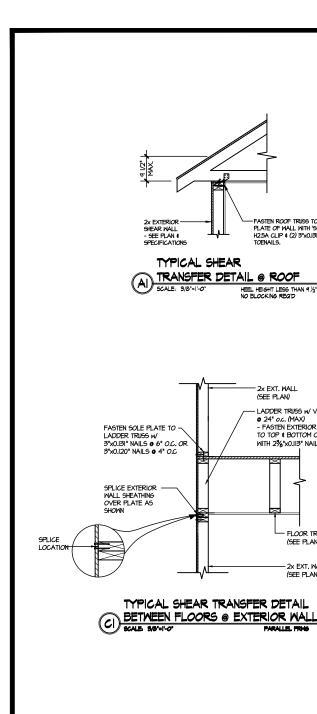
NSEND

1/27/2

JTF

KFC

initial:



TRANSFER DETAIL @ ROOF

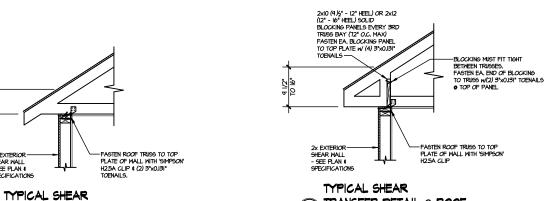
HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQ'D

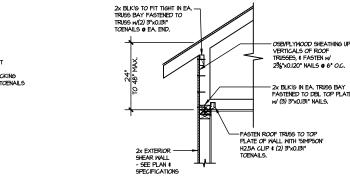
2x EXT, WALL

(SEE PLAN)

- 2x Ext. Wall (SEE Plan)

(SEE PLAN)





FASTEN WOOD BEAMS W FLITCH

PLATE w/ (2) ROWS OF 5/8" DIA. THRU-BOLTS @ 16" O.C.

FASTEN WOOD BEAMS W/ FLITCH -

PLATES W/ (2) ROWS OF 5%" DIA. THRU-BOLTS @ 16" O.C.

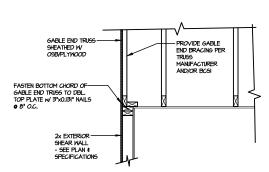
PROVIDE (6) 1/6" DIAM.— PRE-DRILLED HOLES, AS SHOWN

2x WOOD BEAM-

2x WOOD BEAM (SEE PLAN)

2x WOOD BEAM

(SEE PLAN)





1/27/2

TYPICAL GABLE END DETAIL
SCALE: 3/6"=1"-0"

TRANSFER DETAIL @ ROOF HEEL HEIGHT BETWEEN 9½" - 16" BLOCKING REQ'D





-2x EXT, WALL LADDER TRUSS w/ VERTICALS • 24" o.c. (MAX)
- FASTEN EXTERIOR SHEATHING FASTEN SOLE PLATE TO TO TOP & BOTTOM CHORDS SHEATHING SPLICETOR

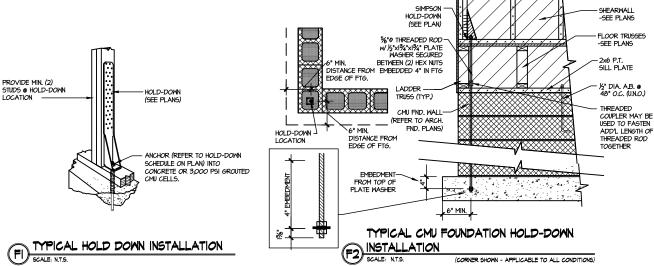
SOLE PLATE OR RIBBON w/ 3"x0.131" NAILS @ 6" O.C. OR WITH 23/8"x0.113" NAILS @ 6" o.c. BOTTOM OF SOLE 3"x0.120" NAILS @ 4" O.C SPLICE EXTERIOR WALL SHEATHING OVER PLATE AS - FLOOR TRUSSES - FLOOR TRUSSES (SEE PLAN)

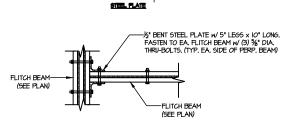
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL



2-PLY WOOD SEAM W/







TYPICAL FLITCH BEAM TO FLITCH BEAM CONNECTION DETAIL

> 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.

M&K project number:

rawn by:

REVISIONS

126-2306

sue date: 01-20-25

JTF

KFC

initial:

COMMUNITY SEND 2 - TOWNSEND BLAKE POND LOT 128 -RALEIGH,

EXTERIOR SHEARWALL ABOVE

FASTEN LAST (2) DECK JOISTS-

LEDGER & SIDE OF JOIST (TYP.)

DECK JOISTS W

(SEE PLANS)

(FASTENED PER PLAN)

5 DECK LED

TO LEDGER W SIMPSON H3 CLIPS, NAILED TO TOP OF

2x EXTERIOR WALL

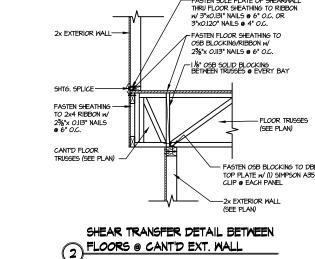
FASTEN SOLE PLATE TO

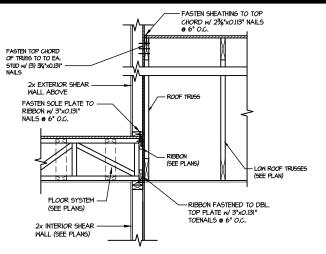
RIBBON FASTENED TO DBI

TOP PLATE w/ 3"XO.120" TOENAILS @ 6" O.C.

2x EXTERIOR WALL

DECK LEDGER CONNECTION DETAIL

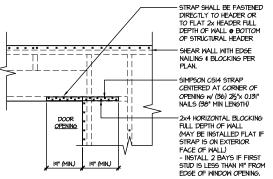






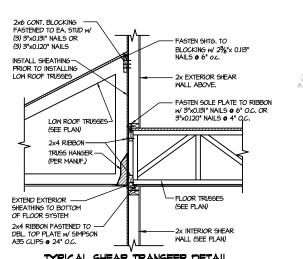
CHORD w/ 23/8"x0.113" NAILS 6 6" O.C. FASTEN TOP CHORD OF TRUSS TO TO EA. STUD w/ (3) 31/4"x0.131" 2x EXTERIOR SHEAR . WALL ABOVE FASTEN SOLE PLATE TO RIBBON w/ 3"x0.131" NAILS @ 6" O.C. LOW ROOF TRUSSES FLOOR SYSTEM 19" (MIN.) 19" (MIN.) -RIBBON FASTENED TO 2x (SEE PLANS)

> TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

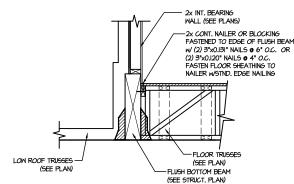


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED IS FROM EDGE TO ALLOW FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

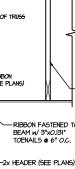
TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION SCALE. NTS



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ SCALE SHEARWALL ABOVE



FASTEN SHEATHING TO TOP

-FASTEN SOLE PLATE OF SHEARWALL

FLOOR TRUSSES -SEE PLAN



1/27/2

ERN+KULI STRUCTURAL ENGINEERIN

M&K project number:

rawn bv:

REVISIONS

126-2306

sue date: 01-20-2!

JTF

KFC

initial:

H CAR

ROFESSIO,

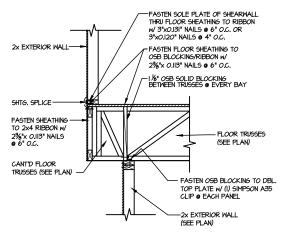
FNGINER

EPH T. R

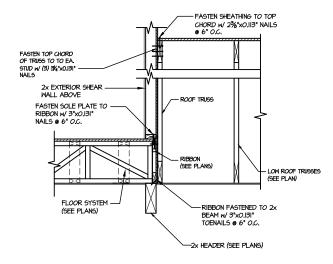
COMMUNIT NSEND POND

BLAKE I Lot 128 -raleigh, 1

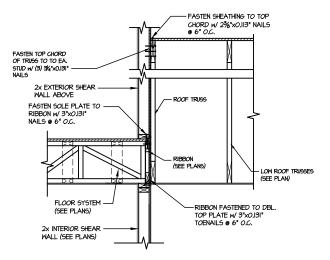
SD2.1A



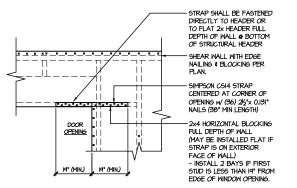
SHEAR TRANSFER DETAIL BETWEEN (2) FLOORS @ CANT'D EXT. WALL



TYPICAL SHEAR TRANSFER DETAIL 6 BETWEEN FLOORS @ INTERIOR WALL

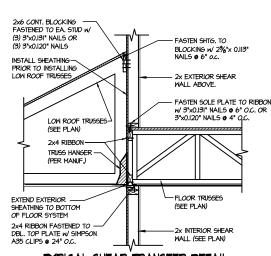


TYPICAL SHEAR TRANSFER DETAIL 3 BETWEEN FLOORS @ INTERIOR WALL

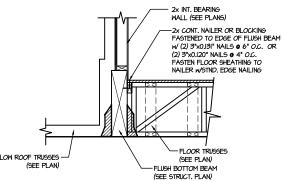


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE
- INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

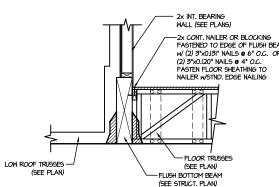
TYPICAL EXT. WALL \$ INT. SHEARWALL OPENING ELEVATION SCALE, NTS



TYPICAL SHEAR TRANSFER DETAIL RETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



COMMUNITY SEND 2 NSEND

1/27/2

ERN+KULP STRUCTURAL ENGINEERING

M&K project number: 126-2306

rawn bv:

REVISIONS

JTF

KFC sue date: 01-20-2!

initial:

H CAR

ROFESSIO,

ENGINE

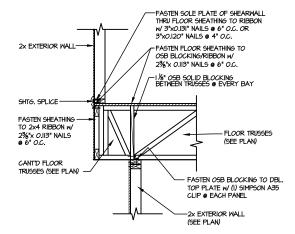
EPH T. R

POND BLAKE I Lot 128 -raleigh, 1

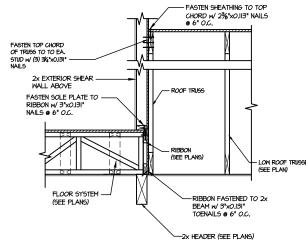
SD2.1B

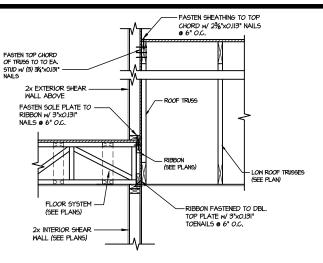
- 2x Exterior Wall (SEE Plans) FASTEN SOLE PLATE TO RIBBON w/ 3"x0.120" NAILS @ 6" O.C. FASTEN LAST (2) DECK JOISTS RIBBON FASTENED TO DBL. TO LEDGER W/ SIMPSON H3 CLIPS, NAILED TO TOP OF TOP PLATE w/ 3"XO.120" TOENAILS @ 6" O.C. FLOOR TRUSSES -SEE PLAN DECK JOISTS W/ HANGERS (TYP.) (SEE PLANS) 2x LEDGER (SEE PLANS) (EASTENED PER PLAN) DECK LEDGER CONNECTION DETAIL

EXTERIOR SHEARWALL ABOVE

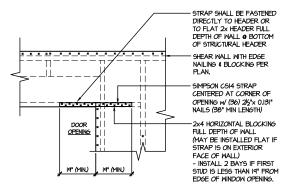


SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



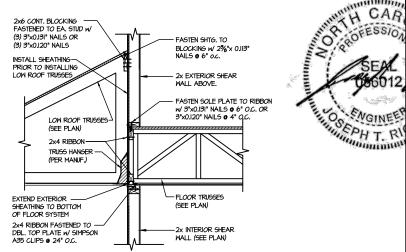


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

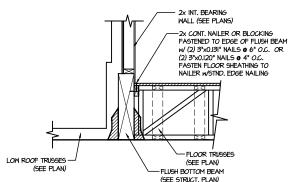


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED 1/2" FROM EDGE TO ALLOW FOR DOOR NAILING
 REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

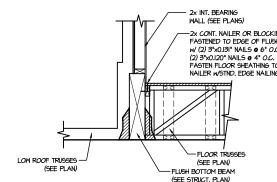
TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ SCALE SHEARWALL ABOVE



COMMUNIT NSEND

1/27/2

ERN+KULP STRUCTURAL ENGINEERING

M&K project number:

rawn bv:

REVISIONS

126-2306

sue date: 01-20-2!

JTF

KFC

initial:

H CAR

COFESSIO,

FNGINER

POND BLAKE I Lot 128 -raleigh, 1

SD2.1C

2x EXTERIOR WALL FASTEN SOLE PLATE TO RIBBON w/ 3"x0.120" RIBBON FASTENED TO DBL. TOENAILS @ 6" O.C. FLOOR TRUSSES

DECK LEDGER CONNECTION DETAIL

FASTEN LAST (2) DECK JOISTS-TO LEDGER W SIMPSON H3 CLIPS, NAILED TO TOP OF

LEDGER & SIDE OF JOIST (TYP.)

DECK JOISTS W

HANGERS (TYP.)

(SEE PLANS)

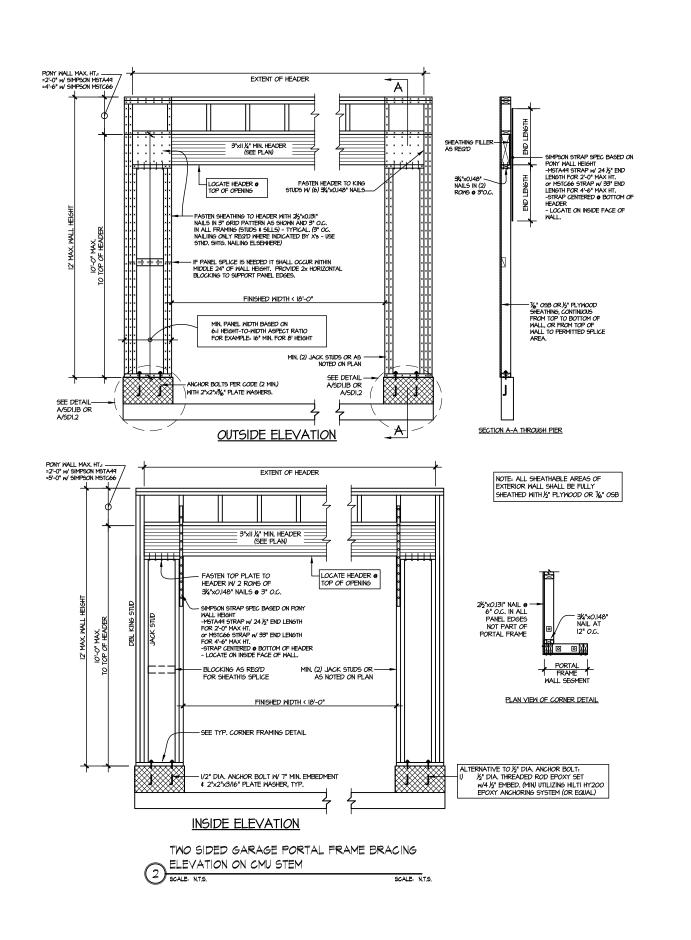
2x LEDGER-(FASTENED PER PLAN)

(SEE PLANS)

NAILS @ 6" O.C.

2x EXTERIOR WALL

TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



1/27/25 "H CAR

MUCHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



M&K project number: 126-2306

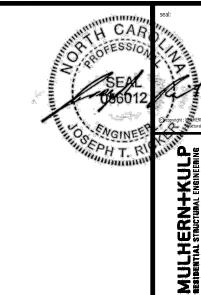
JTF KFG drawn by: ssue date: 01-20-25

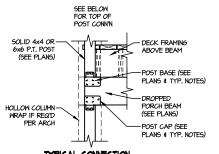
REVISIONS:

initial:

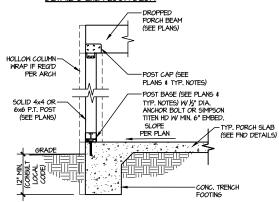
BLAKE POND COMMUNIT Lot 128 - Townsend 2 Raleigh, nc

SD2.2





TYPICAL CONNECTION DETAIL @ 2nd FLOOR DECK



TYPICAL PORCH

POST CONNECTION DETAIL

SCALE: NONE

SL

SLAB ON GRADE SHOWN (RAISED SLAB SIM.)

M&K project number:

1/27/25

126-2306

JTR KFG drawn by: issue date: 01-20-25

BLAKE POND COMMUNITY Lot 128 - Townsend 2 Raleigh, nc

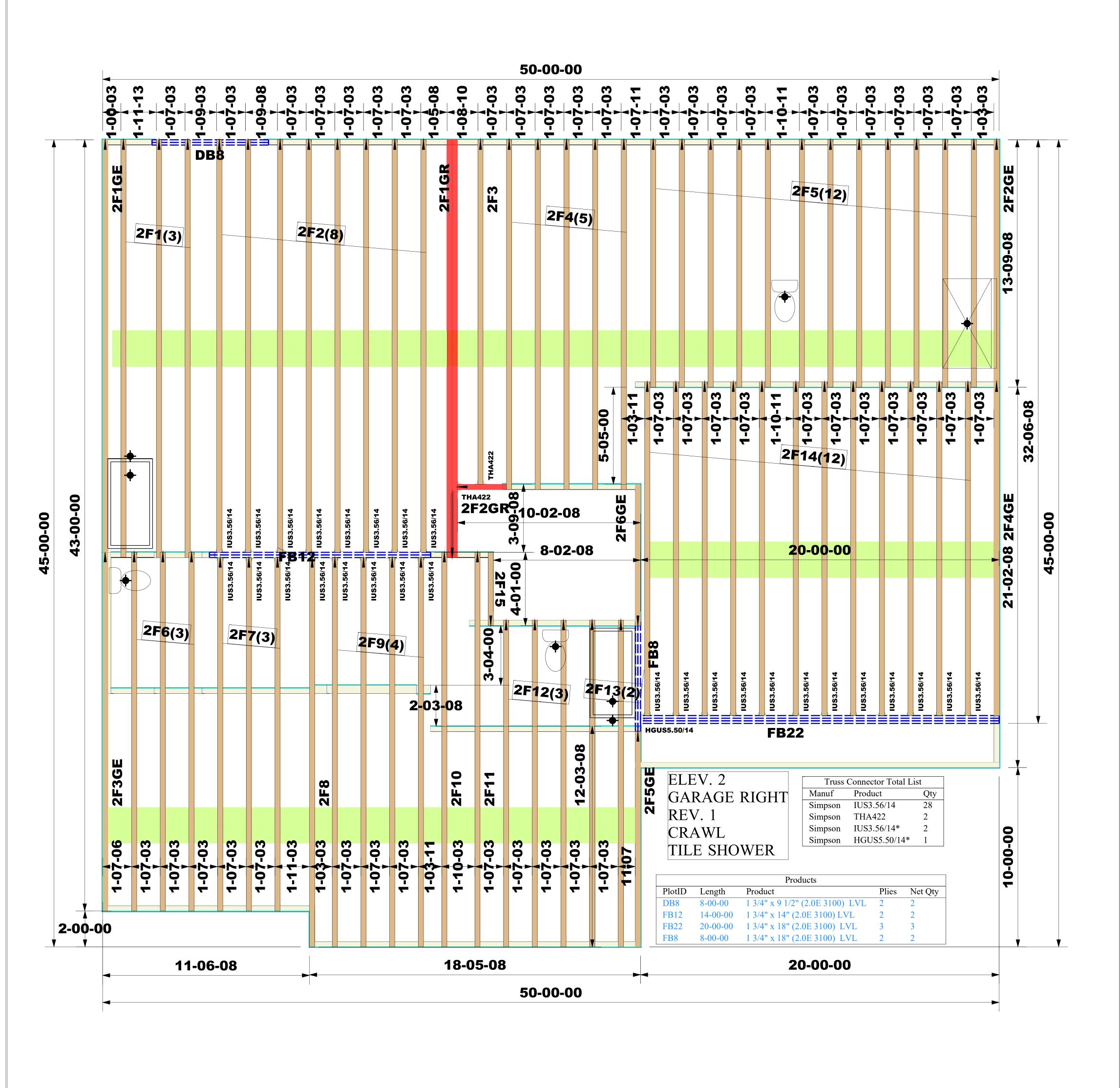
SD3.0



5/13/24

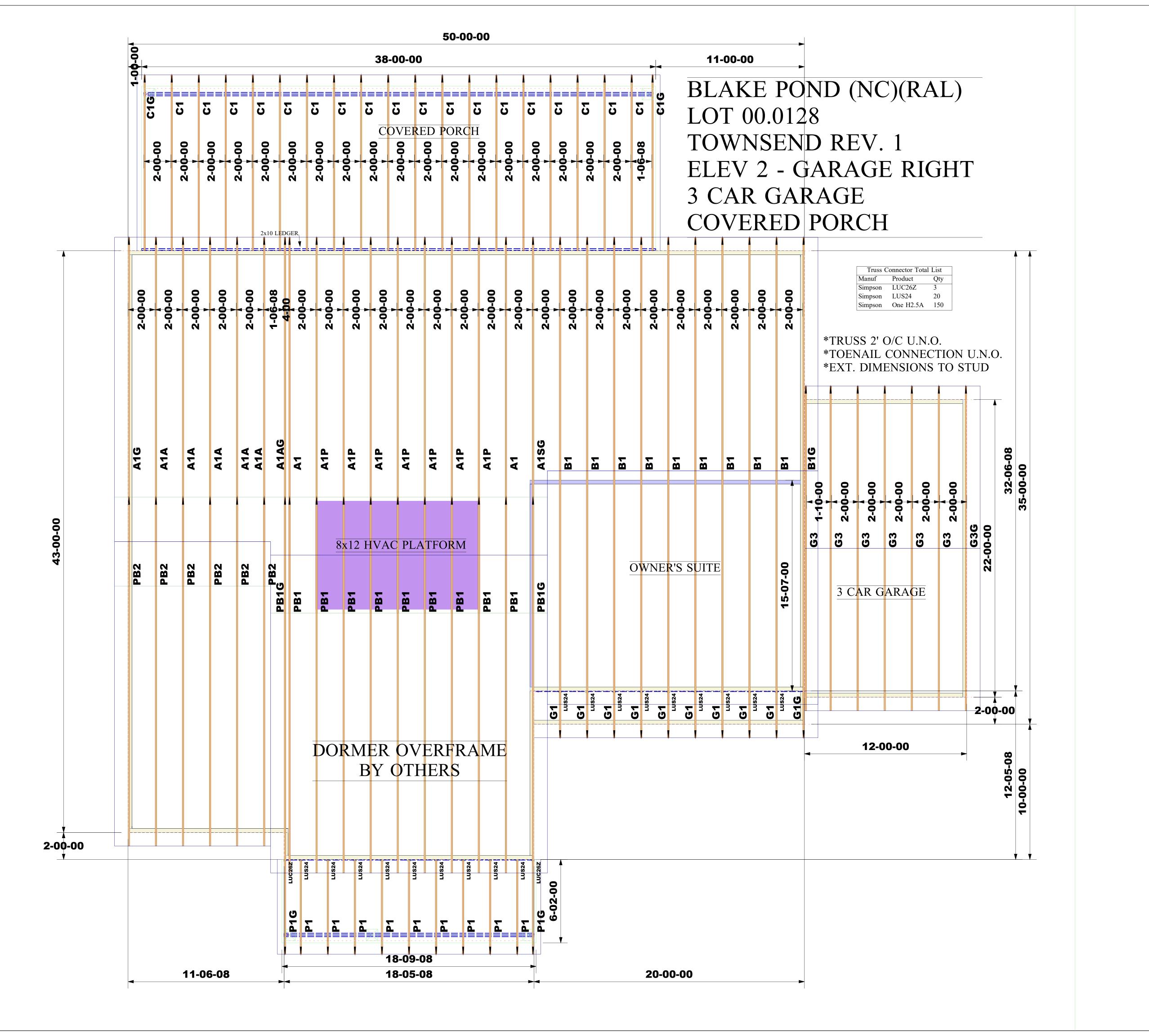
Job #: 2501-0740	WARNING: CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF	DESIGNER OR ARCHITECT TO PROVIDE AN	Customer: DRB RALEIGH	
Job Path:	THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE TRUSS MANUFACTURER. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL 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	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.	Job Name: Blake Pond	Third-F
Designer: Angela Javor	APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR FURTHER INFORMAITON. TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY	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	Lot #: 128 FF	20 Th
Sales Rep: Robbie Zarobinski	SHALL BE BRACED AS SPCIFIED ON THE ENGINEERED DESIGN. TRUSSES SWHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.	INCLUDING THE INSTALLATION, AND BRACING OF	Model Name: Townsend	Ph F





5/13/24

Job #: 2501-0740	WARNING: CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF	NOTE: IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN	Customer: DRB RALEIGH		
Job Path:	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	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.	Job Name: Blake Pond	Third-Party Quality Assurance Licensee TPI Plant W974	
Designer: Angela Javor	APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR FURTHER INFORMAITON. TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS. THEY	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	Lot #: 128 SF	Structural, LLC 201 Poplar Avenue Thurmont, MD 21788	
Sales Rep: Robbie Zarobinski	SHALL BE BRACED AS SPCIFIED ON THE ENGINEERED DESIGN. TRUSSES SWHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.	INCLUDING THE INSTALLATION, AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY.	Model Name: Townsend	Phone: 301-271-7591 Fax: 301-271-5441	



ROOF TRUSS LAYOUT

SCALE: NTS

FOR CONSTRUCTION



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

> 28 0.00 Lot Blake 28 00.01



NOTE:

ot

Model Name:

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO

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 TH CONSTRUCTIION DESIGN, DRAWINGS, DOCUMENTS INCLUDIN THE INSTALLATION, AND BRACING OF TRUSSES

WARNING:

CONVENTIONAL FRAMING, ERECTION AND/OR PERMANEN BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING TH **ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVEN** TOPPLING AND DOMINOING DURING ERECTION; AND PERMANENT BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS. SEE "BRACING WOOD TRUSSES COMMENTAR

TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP SPCIFIED ON THE ENGINEERED DESIGN. TRUSSES SHALL BE HANDLED WITH REASONABLE CARE DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY

2501-0741

Beckett Tayler

Robbie Zarobinski