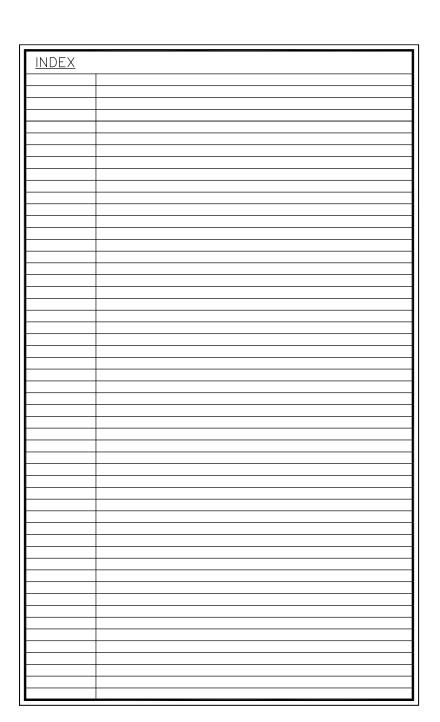
# TOWNSEND-RALE

RALEIGH- LOT 00.0117 BLAKE POND SF

(MODEL# 3501) ELEVATION 5 - GR



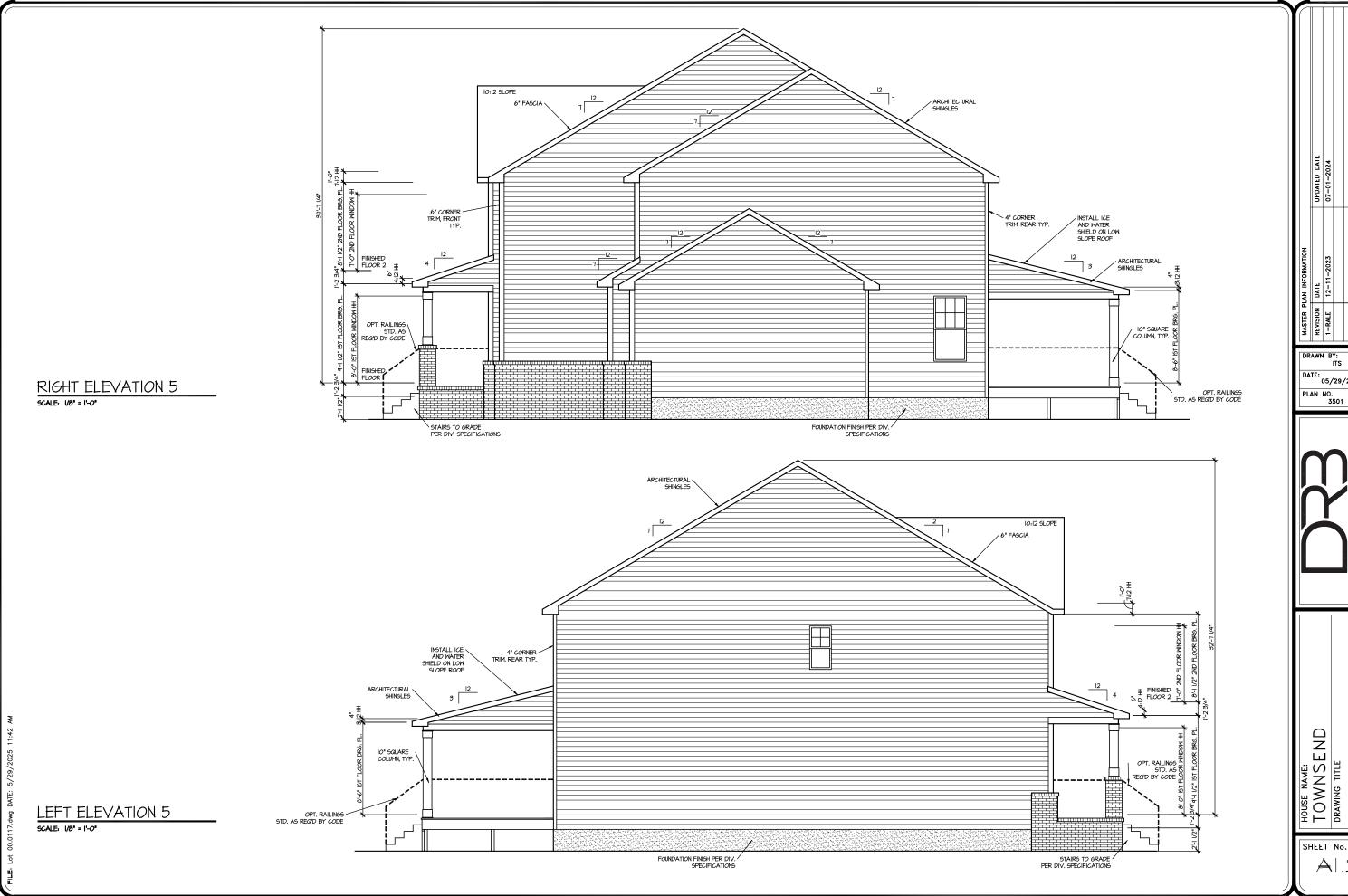


AREA CALCULATIONS  ELEVATION 5 FIRST FLOOR GARAGE FRONT PORCH - ELEVATION 5  SECOND FLOOR  OPTIONS REAR COVERED PORCH 3RD CAR GARAGE		HEATED 1629 SF 1954 SF	COVERED / UNHEATED  439 SF 125 SF  462 SF 264 SF	UNCOVERED
OND DAILY OF HATOLE			201 01	
	TOTAL	3583 SF	1290 SF	
		0000 0.	1200 01	
			ļ.	

# 34 Celtic Lane

LOT	SPECIFIC	
1	LOT 00.0117	
		TOWNSEND R1 ELEVATION 5
2	ADDRESS	34 CELTIC LANE LILLINGTON, NC 27546
-		
	-	
	-	
	+	
	<del>                                     </del>	
		_





DATE: 05/29/2025

ELEVATIONS ⊢ ⊯ ∃

LOPER VINTING, (BOTTOM 2/8 RDs)

NO LNEAR FEET OF SOFFIT X5.15 GL, IN. = 3.46 SQ. FT.

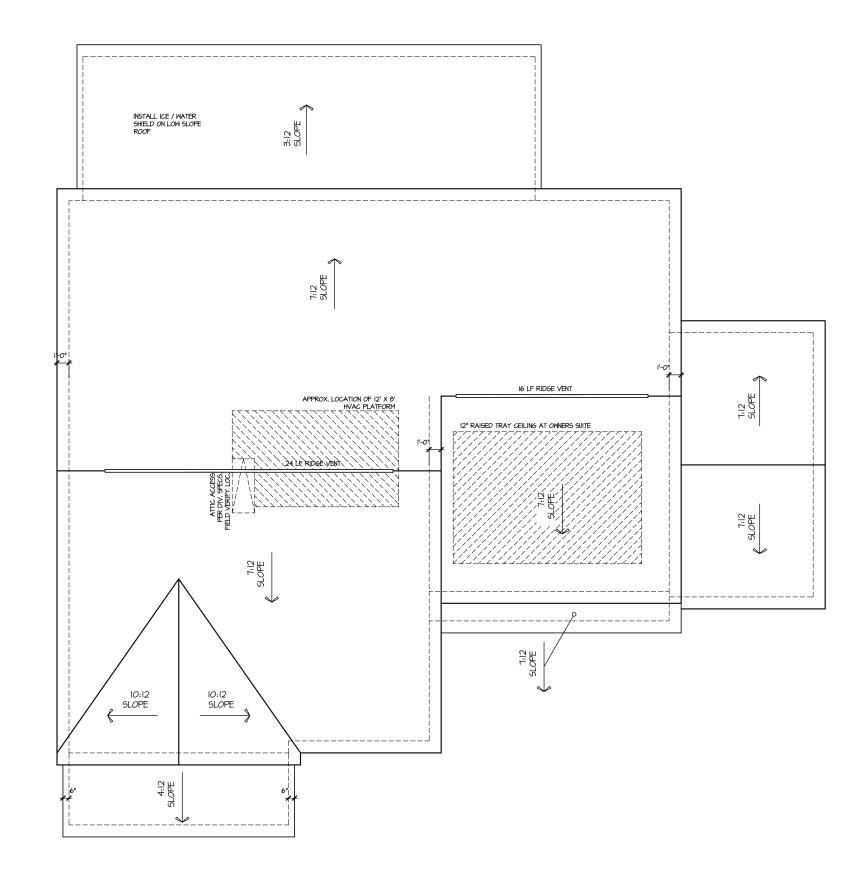
WEREY VINTING, (CDF 2/8 DB SQ. IN. = 5.05 SQ. FT.

10.16 SQ. FEET OF RIDGE X ID SQ. IN. = 5.0 SQ. FT.

10.16 SQ. FEET OF RIDGE X ID SQ. IN. = 5.0 SQ. FT.

10.16 SQ. FEET OF RIDGE X ID SQ. IN. = 5.0 SQ. FT.

TOTAL ROOF VENILATION: 8.46 SQ. FT. > 1.48 SQ. FT. (RQTD)



ROOF PLAN ELEV. 5

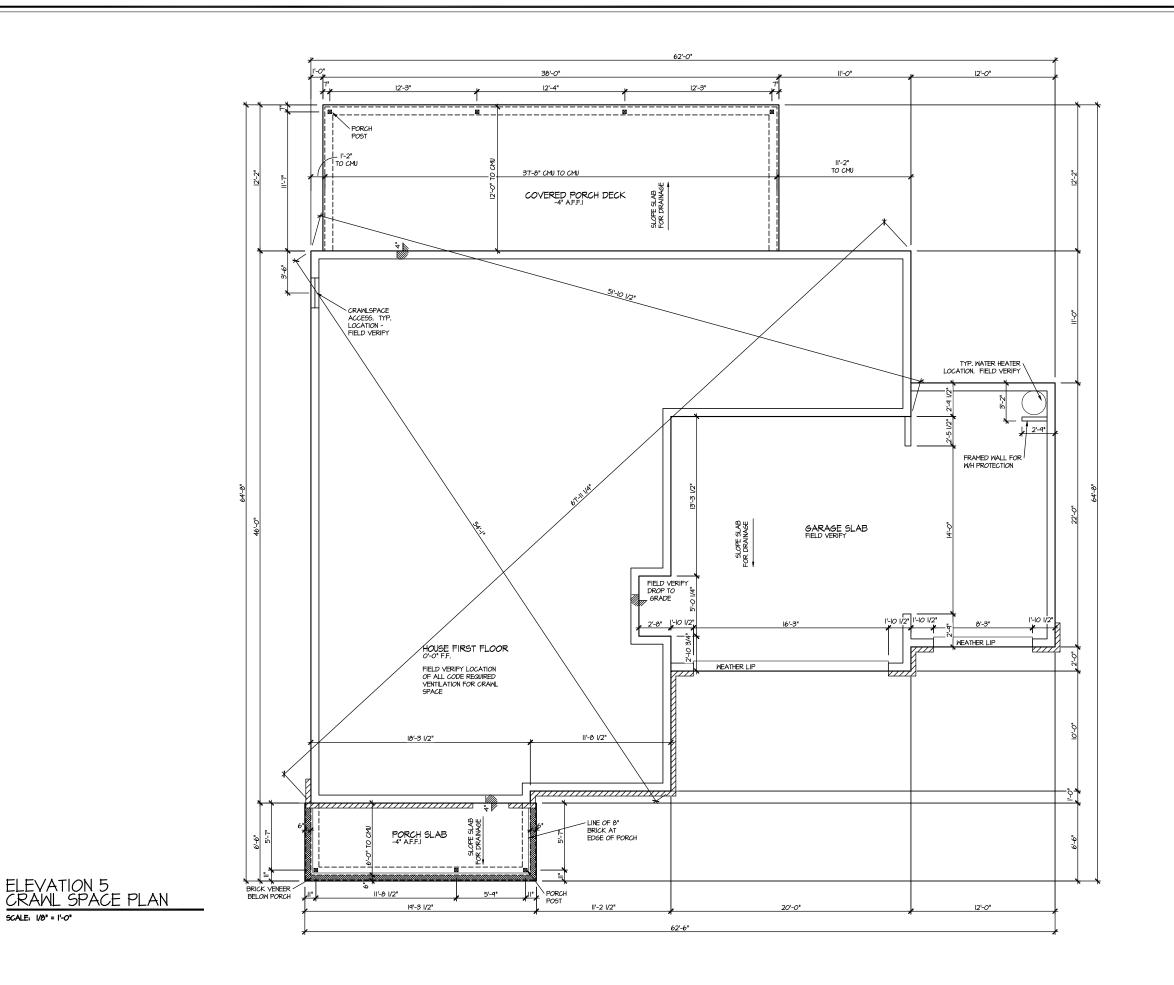
HOUSE NAME:
TOWNSEND
DRAWING TITLE

DRAWN BY:

PLAN NO. 3501

DATE: 05/29/2025

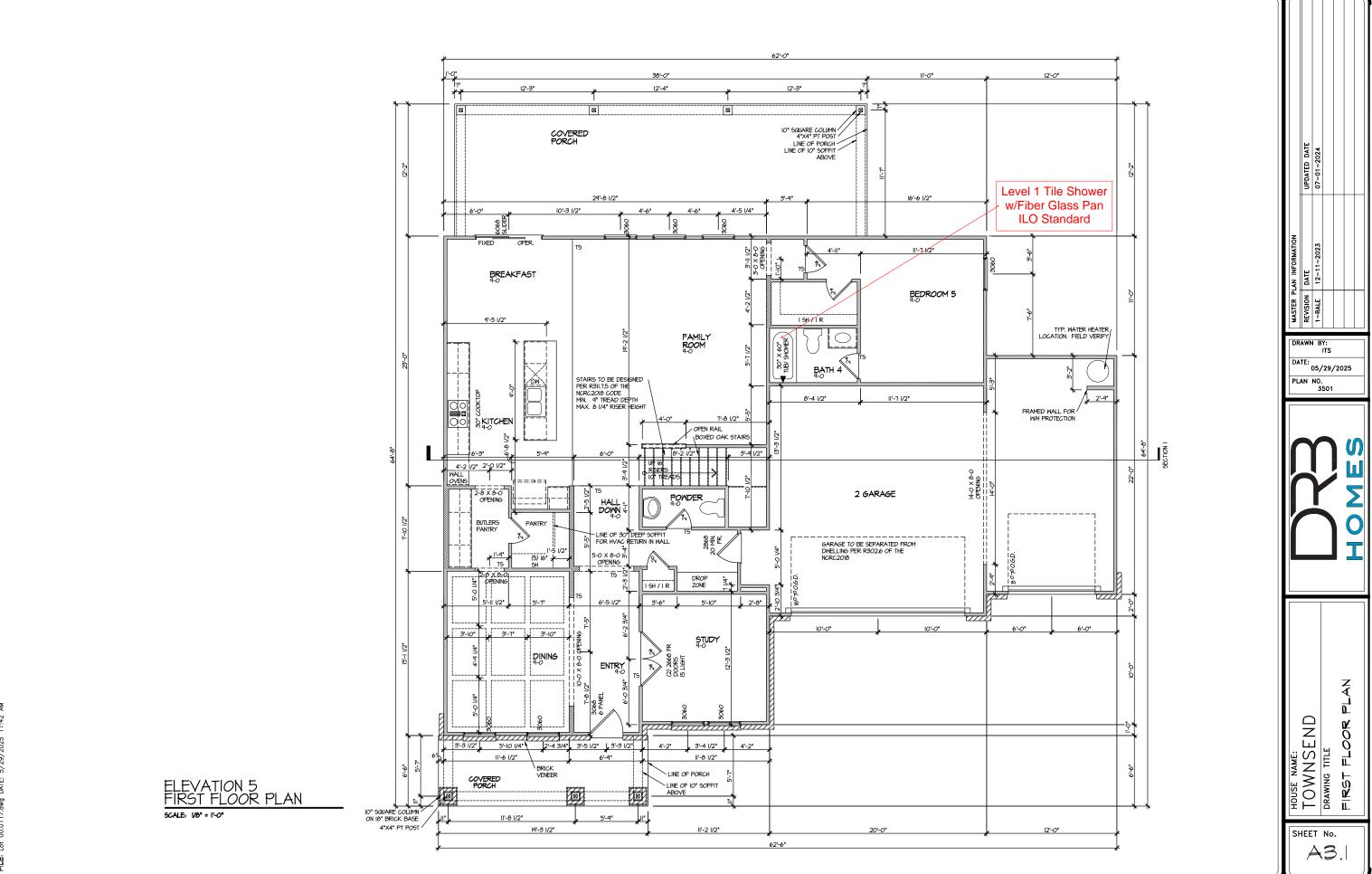
SHEET No.

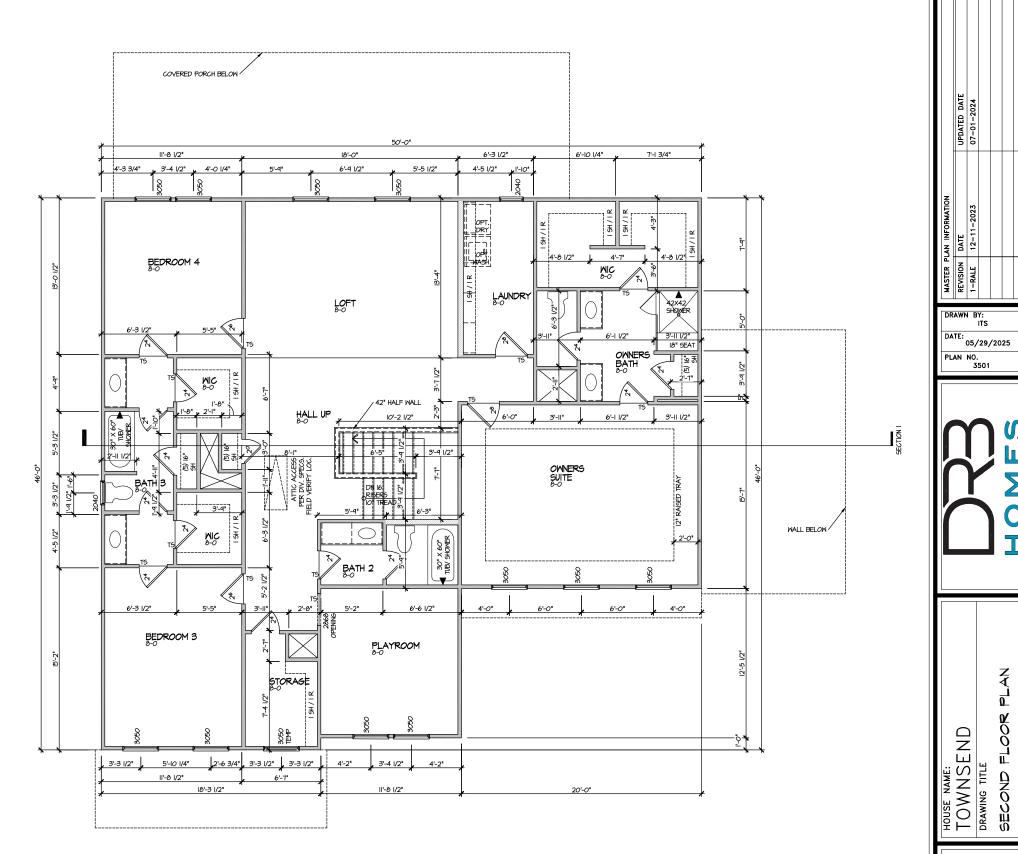


DRAWN BY: DATE: 05/29/2025 PLAN NO. 3501

SPACE HOUSE NAME:
TOWNSEND
DRAWING TITLE
CRAML SPACE

SHEET No. A2.1

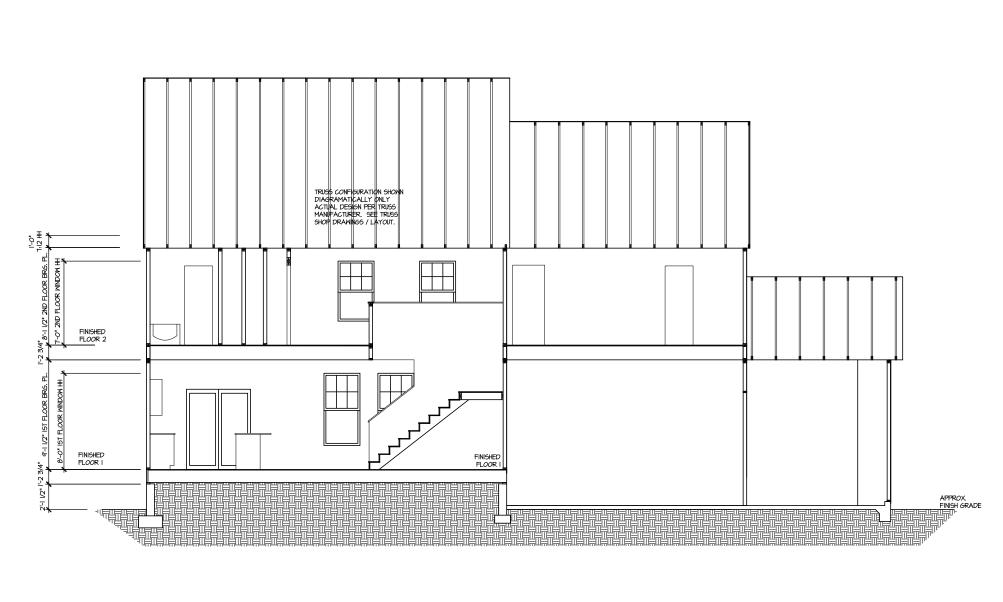




ELEVATION 5 SECOND FLOOR PLAN SCALE: 1/8" = 1'-0"

SHEET No.

A3.2



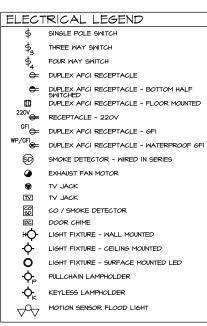
DRAWN BY: DATE: 05/29/2025 PLAN NO. 3501

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

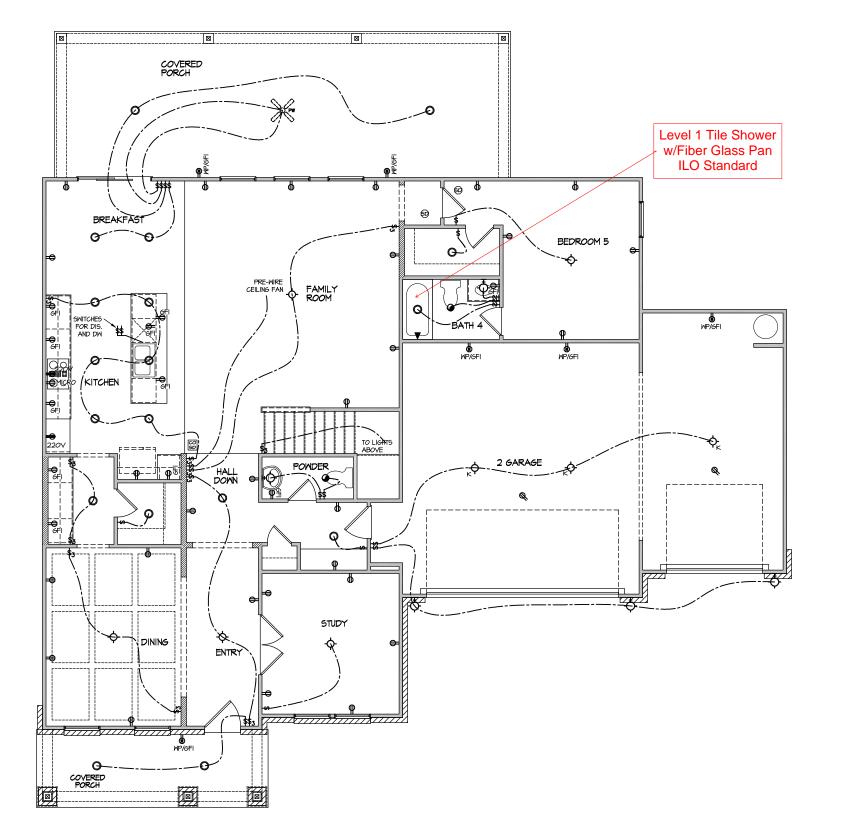
HOUSE NAME:
TOWNSEND
DRAWING TITLE
BUILDING SECTI

SECTION

SHEET No. A4.1



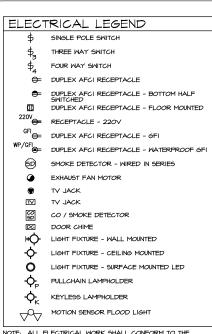
NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND TO ALL APPLICABLE LOCAL REGULATIONS.



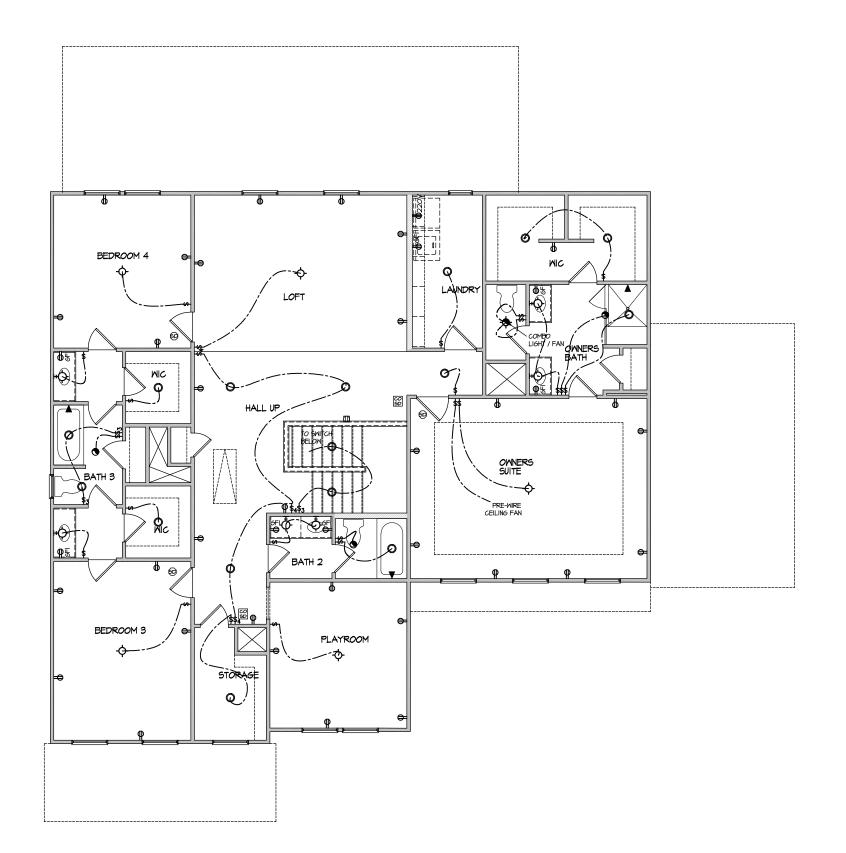
ELECTRICAL PLAN FIRST FLOOR - ELEV. 5

DRAWN BY: DATE: 05/29/2025 PLAN NO. 3501 HOUSE NAME:
TOWNSEND
DRAWING TITLE

SHEET No.



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



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

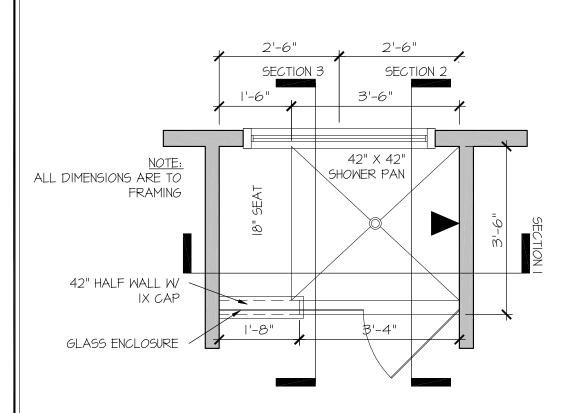
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HOUSE NAME:
TOWNSEND
DRAWING TITLE

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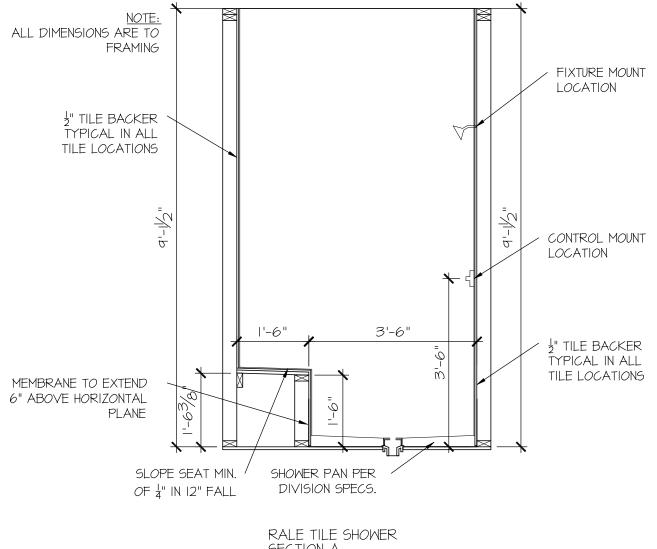
SECOND

DRAWN BY: ITS DATE: 05/29/2025 PLAN NO. 3501



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

~ "

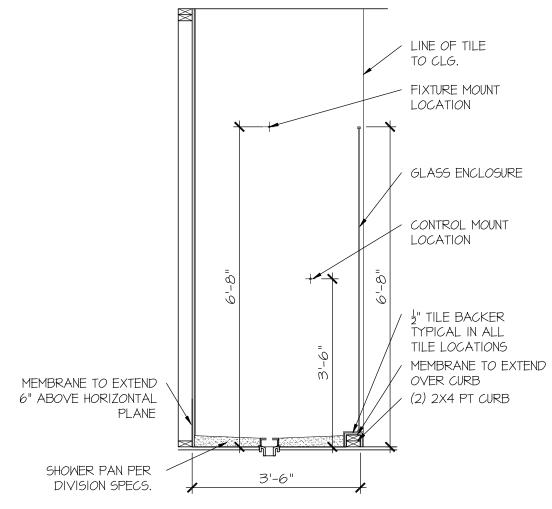


E ILE SHOWER DETAIL

OUSE NAME:

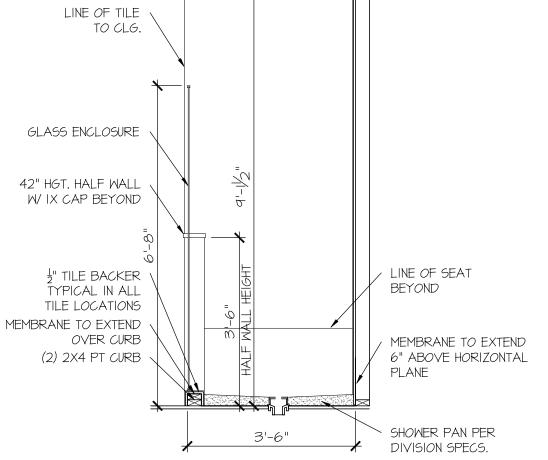
SHEET No.

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: . I/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, U.N.O.; 4,000 psi: ...... FOUNDATION WALLS

2500 psi: ...... FOOTINGS € INTERIOR SLABS ON GRADE ...... 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 ½" FOR 10" THICK WALL).

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

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

PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT, FND, WALL MITH 2" CLEAR, REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS,

 FOR OPENINGS UP TO 36". PROVIDE MINIMUM 10" CONCRETE DEPTH OVER OPENING OR (3)2x10 W (2)2x6 JACK STUDS, U.N.C

• 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

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

• 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 (I:I RATIO), WITH A MAXIMUM OF I:1.5 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 S. 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 CRANL 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.

DESCRIPTION OF BLDG, ELEMENT 3"x0.131" NAILS

BLK'G, BTWN, JOISTS TO TOP PL. (3) TOENAILS

IOIST TO SOLE PLATE

**COUBLE STUD** 

OUBLE TOP PLATE

NTERSECTING WALLS

SOLE PLATE TO JOIST/BLK'G. STUD TO SOLE PLATE

TOP OR SOLE PLATE TO STUD

OP PLATE LAP @ CORNERS &

(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.

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

OUBLE TOP PLATE LAP SPLICE (4) NAILS IN LAPPED AREA

3) TOFNAILS (3) NAILS @ 4" 0.0 (2) TOENAILS

OFNAILS @ 8"

NAILS @ 24" 04

2½"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS.

(2) NAILS

### GENERAL STRUCTURAL NOTES

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

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

DEAD = 7 PSF T.C., 10 PSF B.C. LIVE = 16 PSF

LOAD DURATION FACTOR = 1.25

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)

DEAD = 10 PSF (I-JOISTS & SOLID SAWN) IO PSF T.C., 5 PSF B.C. (TRUSSES) (ADD'L IO PSF @ TILE)

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

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

### GENERAL FRAMING

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

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

EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) • 16" O.C. SPF OR 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). PENGINEERED 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

• 'PSL' - FB=2900 PSI; FV=290 PSI; E=2.0XI0^6 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 STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR

FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS ● 6" O/C OR 2 ROWS ¼"x3½" SIMPSON 5D5 SCREWS (OR 3½" TRUSSLOK SCREWS) • 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3½" OR 5½" 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. 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

- 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

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

NAILS @ 24" O.C. (MIN.), EACH PLY.

3"x0120" NAII S

(3) TOENAILS\*

(3) NAILS 🛭 4" O.C

TOFNAILS @ 6" OC

(II) NAILS IN LAPPED AREA (2) NAILS

(3) TOENAILS\*

NAILS @ 16" O.C.

NAILS 0 16" 0.0

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 & ABW447 BASE, U.N.O.

### FLOOR FRAMING

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

• AT I-JOIST FLOORS, PROVIDE 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 TONGLE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W GLUE AND

- 2 1 x 0.131" NAILS @ 6"04. @ PANEL EDGES & @ 12"04. FIELD - 2 3 × 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 H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T 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.

• 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 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 I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS

- W/ 2 ½" x 0.131" NAILS • 6"0.c. • PANEL EDGES \$ • 12" O.C. FIELD. - w/ 2 g × 0.120" NAILS • 4"o.c. • PANEL EDGES € • 8" O.C. FIELD.

- W 2 8 × 0.113" NAILS • 3"o.c. • PANEL EDGES \$ • 6" O.C. FIELD.

### HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
► HD-I	SIMPSON HTT4 HOLD-DOWN * (%" DIA. ANCHOR)
HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UN.O.) -OR- MSTC66B3 ALTERNATE
<b>▶</b> HD-3	SIMPSON STHDI4/STHDI4RJ

<u>\* UTILIZE THE SSTB24 ANCHOR BOLT</u> ◆ 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 ONDITIONS ONLY: UTILIZE SIMPSON 'SET' EPOXY SYSTEM TO FAS THREADED ROD INTO CONCRETE FOUNDATION, PROVIDE 10" (FOR 5/8" DIA.) OR 15" (FOR 1/8" DIA.) MIN, EMBEDMENT INTO CONCRETE, NSTALL PER MANUF, INSTRUCTIONS, MINIMUM 16" FOOTING THICKNESS REQ'D. DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF CONCRETE.

### LEGEND

• IIIIIII INTERIOR BEARING WALL

◆ □===□ BEARING WALL ABOVE • --- 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. REFER TO SCHEDULE.

### NON-BEARING HEADER SCHEDULE

SPAN 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
JP TO 12'-0"	(2)2×8	(3)2×8

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: |20 MPH WIND IN 2018 NCSBC:RC

(120 MPH WIND SPEED IN ASCE 7-10 WIND MAP PER IRC R30(211) EXP. B. RISK CAT. 2 & SEISMIC CAT. A/B

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 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: 1 1/2" 16 GA STAPLES (1/6" CROWN) • 3" O.C. AT EDGES € • 6" O.C IN FIELD.

### BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING w/ 2 %" × 0.113" NAILS • 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 13/4" 16 GA STAPLES (1/6" CROWN) ● 3" O.C. AT EDGES & ● 6 O.C. IN FIELD, ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

### 3" O.C. EDGE NAILING

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

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)

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

### MEANS & METHODS NOTES

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 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 IN CONTACT WITH FLOOR FRAMING ARE LEVEL. NCLUDING, 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, INDUSTR OR WARRANTY TO FRANCES

## I-JOIST MANUFACTURER

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

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

ROOF TRUSSES: 1/4" DEAD LOAD

FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: I/8" DEAD LOAD

LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAL LOAD. (NOT DIFFERENTIAL DEFLECTION)

THE STRUCTURE IS DESIGNED TO BE SELF 3'-0" 20 FT, MAX 3 FT. MAX I2 FT. MAX 20 FT, MAX 3 FT. MAX 12 FT. MAX I6 FT, MAX I2 FT. MAX 2 FT MAY 3 FT, MAX

## ADDITIONAL NOTES FOR TRUSS &

FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS:

### YENEER LINTEL SCHEDULE

H CAA

POFESSIO STEEL ANGLE SIZE L3"x3"x/4" L3"x3"x/4" L4"x3"x/4" L5"x3½"x%" L4"x4"x/4" \* L5"x3K"x5%" -ENGINE L6"x31/2"x3/6" SEPH T. P L6"x3½"x% L7"x4"x/5" \*\*

SHALL SUPPORT 2 %" - 5 ½" VENEER w/ 40 psf MAXIMUM WEIGHT. 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 \$48'0.0 w/½" DIA. x 3 ½" LONG LAG SCREMG IN 2" LONG VERTICALLY SLOTTED HOLES.

AX. VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE

OPENING. ALL LINTELS SHALL BE LONG LEG VERTICAL. WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ½" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT

FINISHING.
SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT
ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL
FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2½\*
(MINIMAN) CLEAR DISTANCE FROM BOTTOM OF BEAM. FOR GUEEN VENEER USE L4x3%,".

FOR 3½" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" 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

FLITCH OPTION STEEL OPTION

001	(2)134"x944" - H	3½"x9¼" - H	(2)134"x915" - F	(2)2xi0 + (i) ¼"xil¼" STEEL FLITCH PLATE - H	N/A
002	(2)134"×14" - F	3½"x 4" - F	(3)194"×14" - F	(2)2xl2 + (1) %"xl以" 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)1¾"×14" - F	3½"xl4" - F	(2)19/4"×14" - F	(2)2xi0 + (1) ¼"xil¼" STEEL FLITCH PLATE - F	N/A
006	(2)13/4"×14" - F	3½"x 4" - F	N/A	(2)2x12 + (1) %"xIIV" STEEL FLITCH PLATES - F	N/A
001	(3)13/4"×14" - F	54"×14" - F	(4)1% "x14" - F	(3)2xi2 + (2)以"xi以" 5TEEL FLITCH PLATES - F	WI2xI4 - F
008	(2)13/4"×14" - F	3½"x 4" - F	(3)194"x14" - F	(2)2xl2 + (1) %"xll以" STEEL FLITCH PLATES - F	WI2xI4 - F
004	(2)134"×14" - F	3½"x 4" - F	N/A	N/A	N/A
010	(2)134"x944" - H	3½"x9¼" - H	(2)134"x915" - H	(2)2xi0 + (i) ¼"xil¼" STEEL FLITCH PLATE - H	N/A
OII	(2)1 <b>%</b> "x <b>9</b> %" - H	3½"x9¼" - H	(2)154"x915" - H	(2)2xi0 + (i) ¼"xil¼" STEEL FLITCH PLATE - H	N/A
012	(2)1 <sup>3</sup> / <sub>4</sub> "x14" - H	3½"x 4" - H	N/A	N/A	N/A
013	(3)19%"×914" - H	3½"×1¼" - H	N/A	N/A	N/A
014	(3)13/4"x16" - FB	5¼"xl6" - FB	N/A	N/A	N/A
015	(2)13/4"×14" - F	兆'x 4" - F	(2)134"×14" - F	N/A	N/A
016	(3)1¾"x18" - FT	5¼"xl8" - FT	N/A	N/A	N/A
017	(2)134"×14" - F	兆'x 4" - F	(2)134"×14" - F	N/A	N/A
018	(3)13/4"x11/4" - D	5¼"xII¼" - D	(3)154"×114" - D	N/A	N/A
019	(4)  <sup>9</sup> ¼"× 4" - F	7"xI4" - F	N/A	N/A	N/A
020	(2)13/4"×14" - F	3½"x 4" - F	(2)13/4"×14" - F	N/A	N/A

BEAM NOTATION: - "F" INDICATES FLUSH BEAM - "FT" INDICATES FLUSH TOP BEAM

REAM LVL OPTION PSL OPTION LSL OPTION

"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

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

ERN+KUI SIMETURAL ENGINEE

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I&K project numbe

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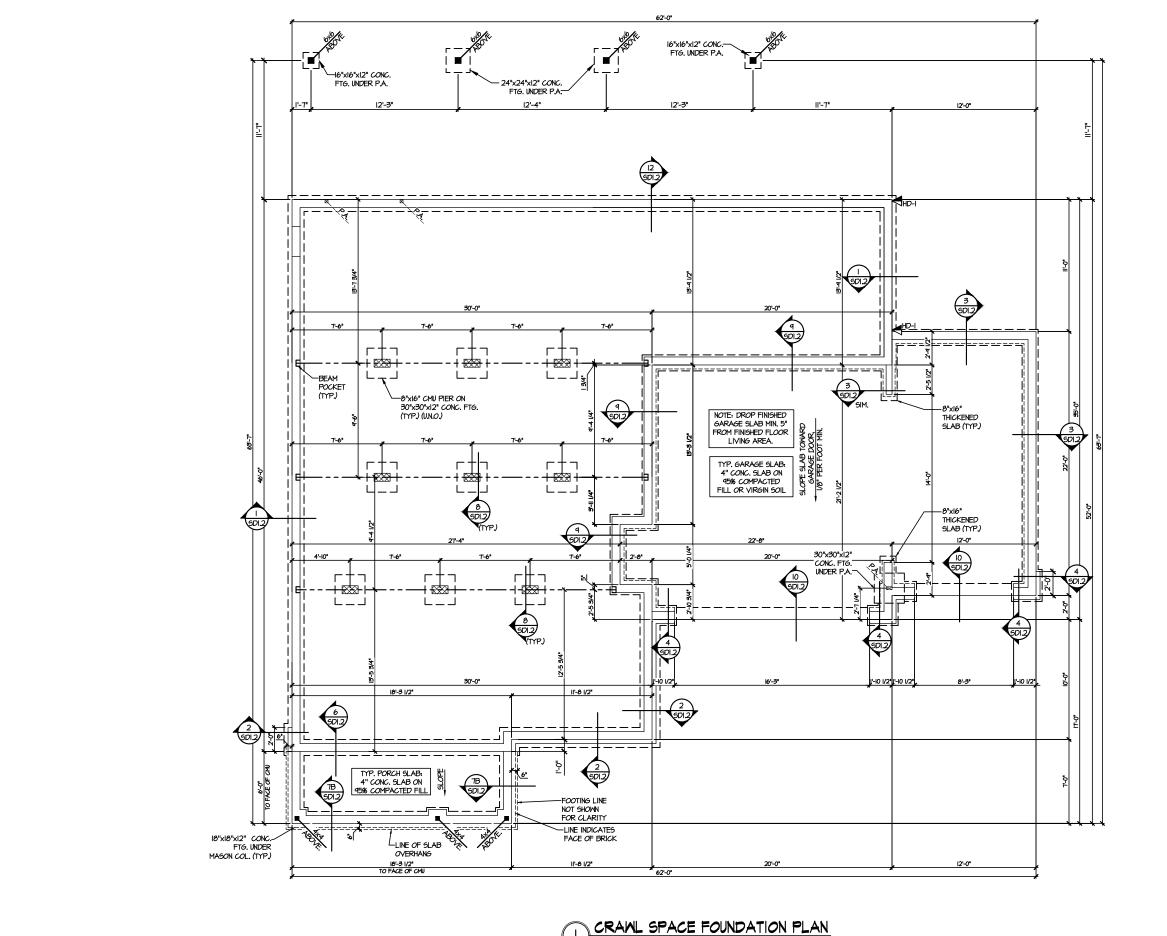
126-2306

ssue date: 06-12-25

initial:

COMMUNI  $\bigcirc$ POND CC

AKE LOT BL



6/12/2 H CAR SEPH T. R

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI
SUBmakis An Buildy - Amba, PA 1992
225-258-2691 - Embranden

Y M&K project number:

126-2306

drawn by: issue date: 06-12-25

initial:

BLAKE POND COMMUNITY Lot 117- townsend 5 Raleigh, nc

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

• --- BEAM / HEADER

● ■ ■ ■ INDICATES SHEAR WALL & EXTENT • EXTENT OF OVERFRAMING

LEGEND

JIL METAL HANGER

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

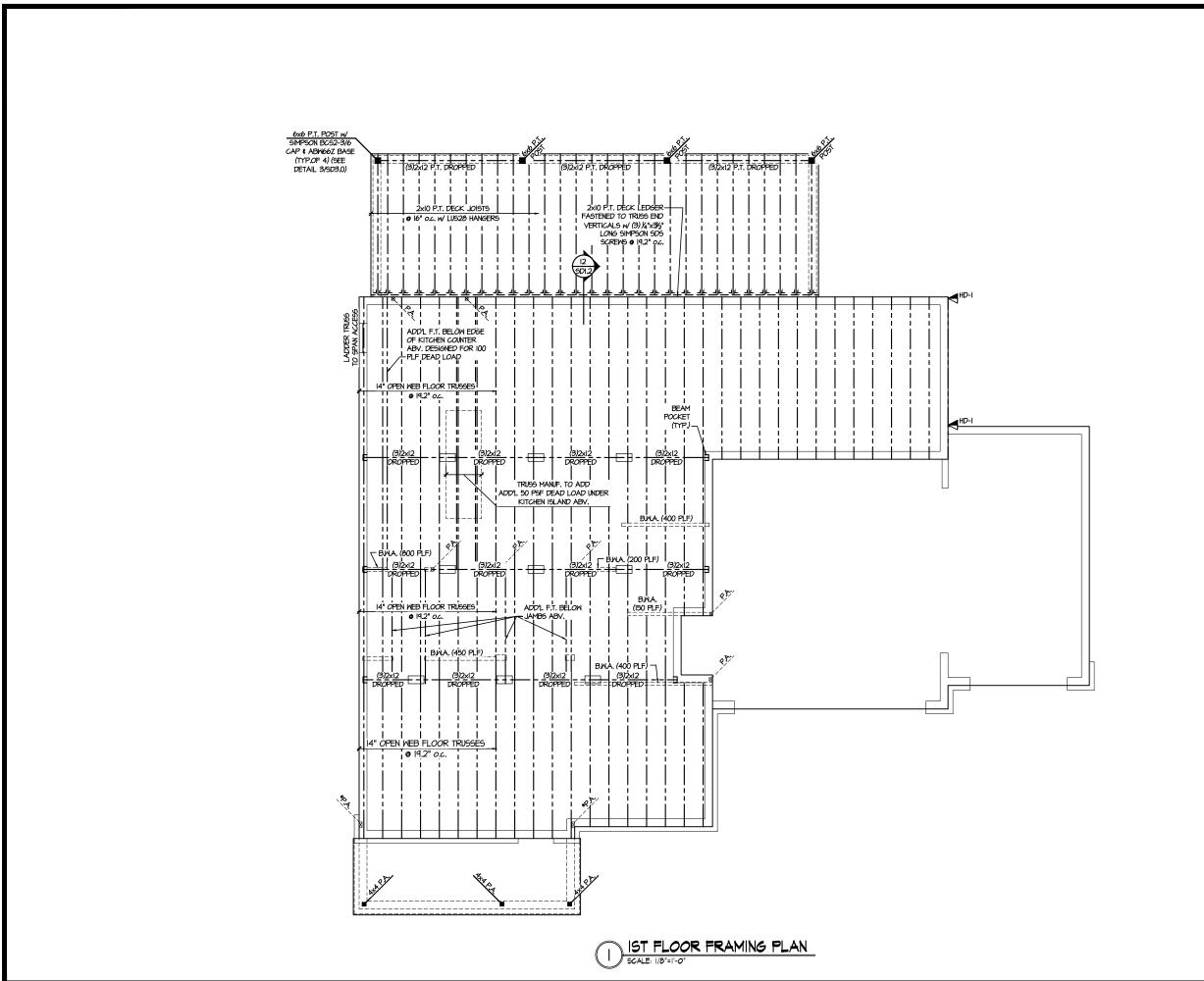
INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

S1

OUNDATION



6/12/2 A CAR

MULHERN+KULP

ESSIDENTIAL STRUCTURAL ENSINEERING

2005-Market Av. Ballegt+ Amber R. 1902

228-95-9501 - Amber R. 1902

Y

M&K project number: 126-2306

drawn by: JAC issue date: 06-12-25

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

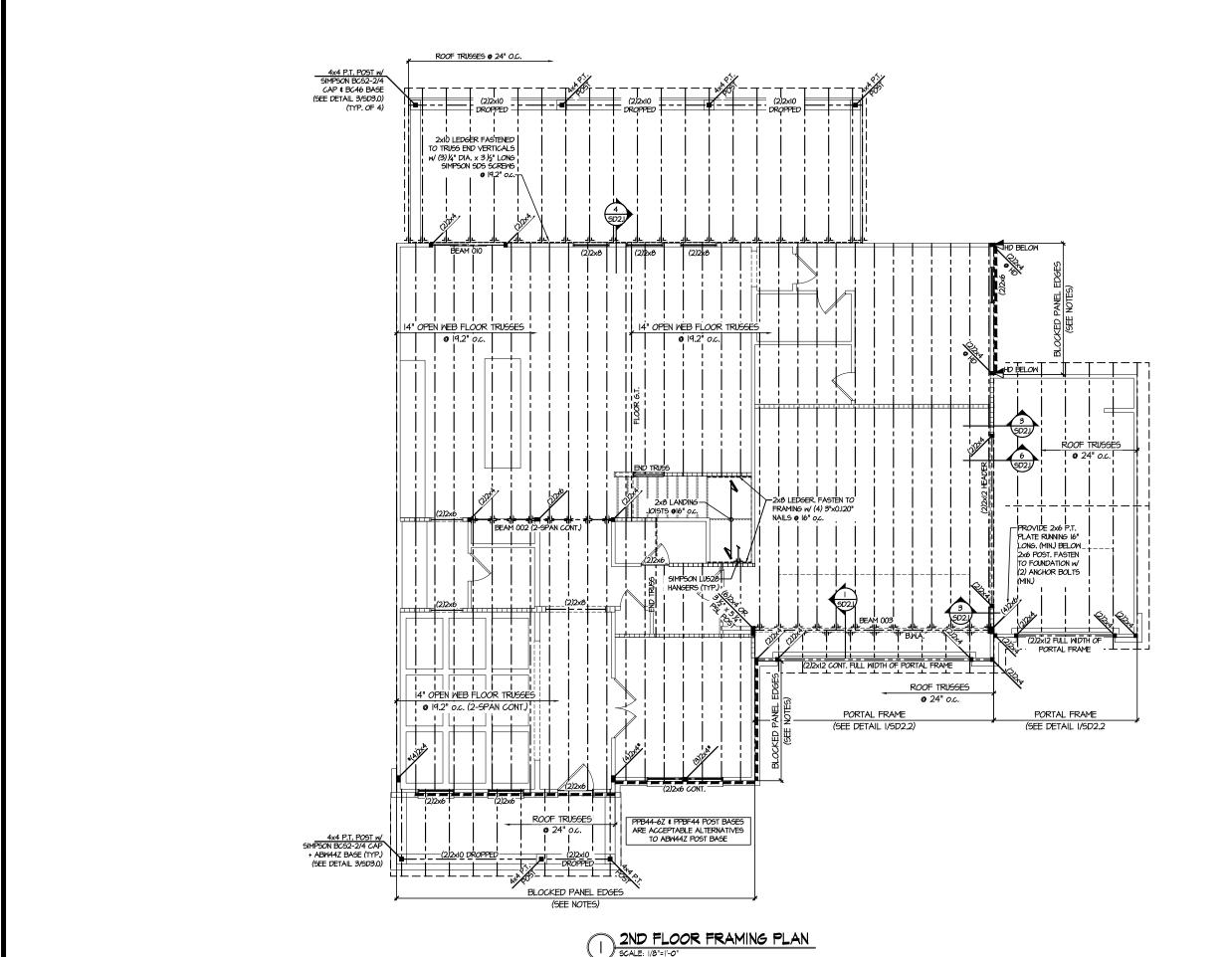
- \* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

TYPICAL STRUCTURAL NOTES \$ SCHEDULES

REFER TO SO.O FOR

OOR

BLAKE POND COMMUNITY Lot 117- Townsend 5 Raleigh, nc



6/12/2 H CAR SEPH T. R

MULHERN+KULP Y

M&K project number: 126-2306

drawn by: JAC issue date: 06-12-25

REVISIONS

initial:

BLAKE POND COMMUNIT' Lot 117- Townsend 5 Raleigh, nc

PLANS

OOR

SEE SO.O FOR BEAM SCHEDULE

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

TYPICAL STRUCTURAL NOTES & SCHEDULES

REFER TO SO.O FOR

**S3.0** 

Y

M&K project number: 126-2306

issue date: 06-12-25

drawn by:

REVISIONS:

JAC

initial:

BLAKE POND COMMUNITY Lot 117- Townsend 5 Raleigh, nc

ROOF

(2)2×6 (2)2×6 (2)2x6 ACCESS BETWEEN ROOF TRUSSES ROOF TRUSSES \_\_\_\_\_(2)2x6\_\_\_ \_\_(2)2x6\_\_\_\_ ROOF TRUSSES

**o** 24" o.c.

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

BLOCKED PANEL EDGES

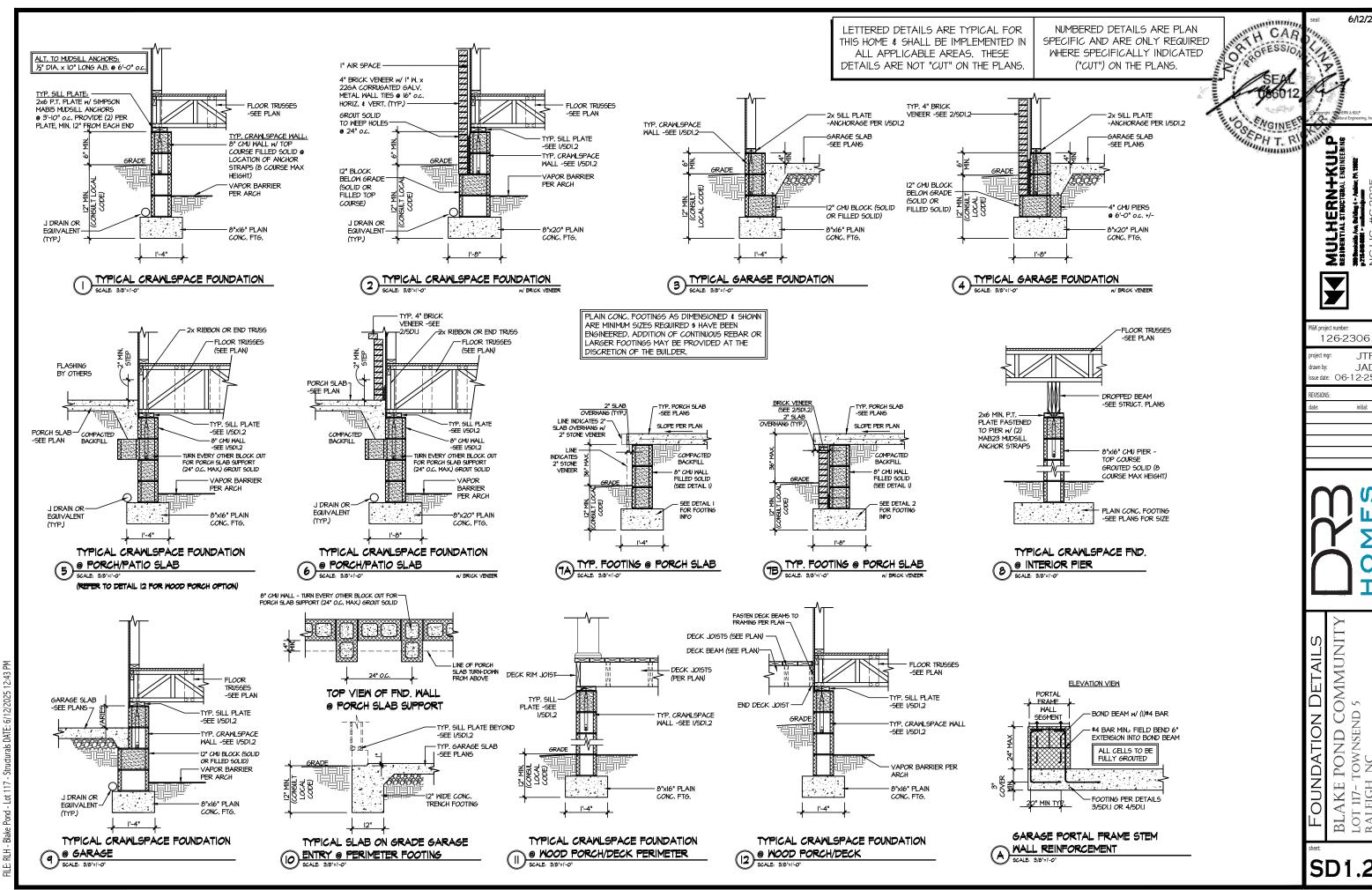
(SEE NOTES)

### 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

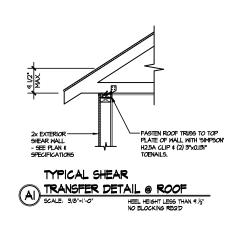


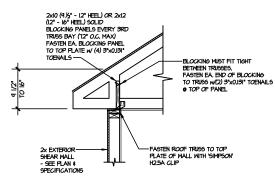
LOT

6/12/2

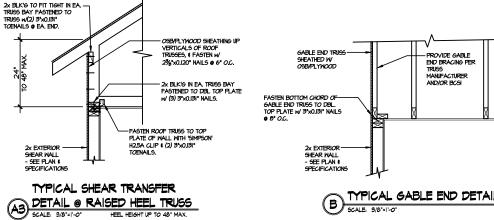
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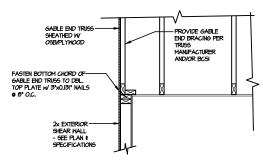
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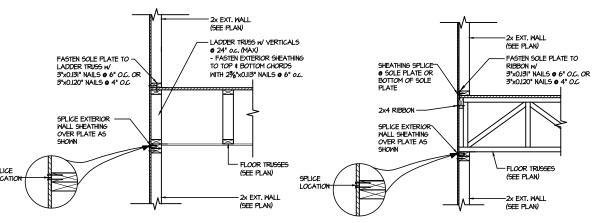




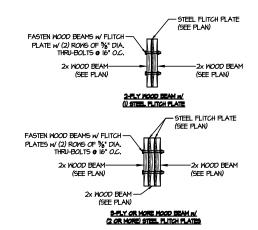




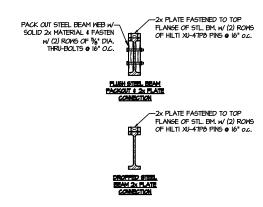




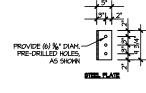


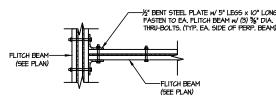




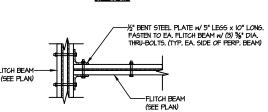


TYPICAL STEEL BEAM CONNECTION DETAIL SCALE SUM-ING

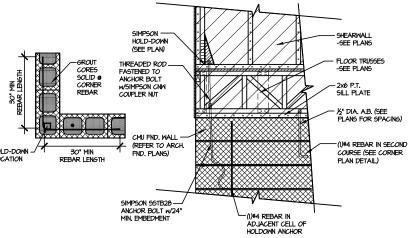




TYPICAL FLITCH BEAM TO FLITCH BEAM CONNECTION DETAIL



TYPICAL CORNER FOUNDATION HOLD-DOWN INSTALLATION
SCALE, N.T.S.



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

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

COMMUNIT ETAIL BLAKE POND LOT 117- RALEIGH

6/12/2

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINERINS

M&K project number: 126-2306

issue date: 06-12-25

JAC

initial:

łrawn by:

REVISIONS

TH CAR

ENGINE

SEPH T. R

EXTERIOR SHEARWALL ABOVE

FASTEN LAST (2) DECK JOISTS-

LEDGER & SIDE OF JOIST (TYP.)

DECK JOISTS W.

(SEE PLANS)

(FASTENED PER PLAN)

TO LEDGER W SIMPSON H3 CLIPS, NAILED TO TOP OF

- 2x EXTERIOR WALL

RIBBON w/ 3"x0.120" NAILS @ 6" O.C.

2x EXTERIOR WALL

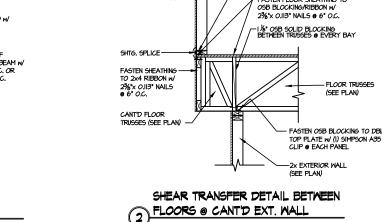
DECK LEDGER CONNECTION DETAIL

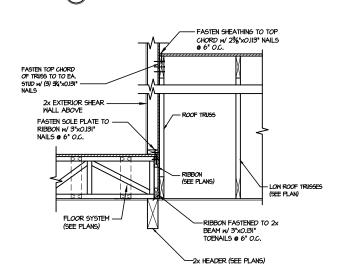
- FASTEN SOLE PLATE TO

RIBBON FASTENED TO DBI

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

(SEE PLANS)





-FASTEN SOLE PLATE OF SHEARWALI

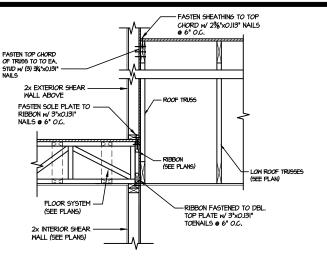
THRU FLOOR SHEATHING TO RIBBOI w/ 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C.

- FLOOR TRUSSES

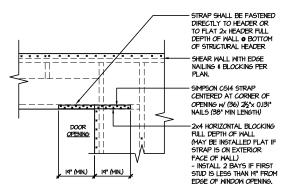
(SEE PLAN)

FASTEN ELOOR SHEATHING TO

TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

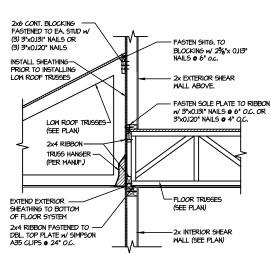


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

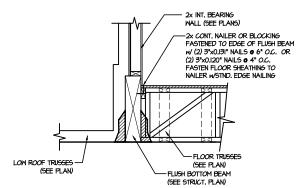


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED IS, FROM EDGE TO ALLON FOR DOOR NAILING
- REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

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



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ SCALE SHEARWALL ABOVE

> COMMUNIT 'AIL

6/12/2

MULHERN+KU

M&K project number:

rawn by:

FVISIONS

126-2306

issue date: 06-12-25

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initial:

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ENGINE

EPH T. R

BLAKE LOT 117- RALEIGH

POND CC TOWNSEND I, NC

SD2.1A

- 2x Exterior Wall (SEE Plans)

NAILS @ 6" O.C.

TOENAILS @ 6" O.C.

(SEE PLANS)

DECK LEDGER CONNECTION DETAIL

FASTEN LAST (2) DECK JOISTS-

DECK JOISTS W HANGERS (TYP,

(SEE PLANS) 2x LEDGER

(FASTENED PER PLAN

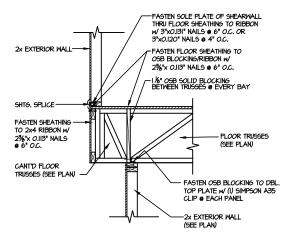
TO LEDGER W/ SIMPSON H3

CLIPS NAILED TO TOP OF

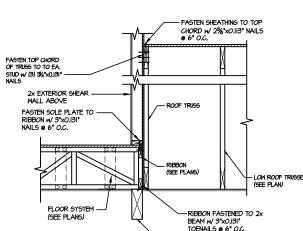
FASTEN SOLE PLATE TO RIBBON w/ 3"x0.120"

-RIBBON FASTENED TO DBL. TOP PLATE w/ 3"XO.120"

FLOOR TRUSSES -SEE PLAN

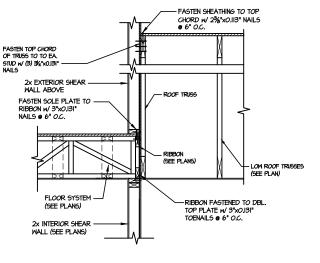


### SHEAR TRANSFER DETAIL BETWEEN (2) FLOORS @ CANT'D EXT. WALL

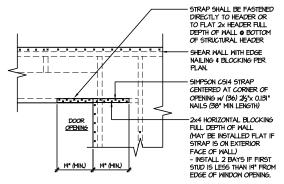


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

-2x HEADER (SEE PLANS)

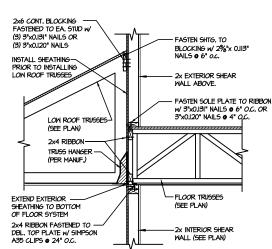


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

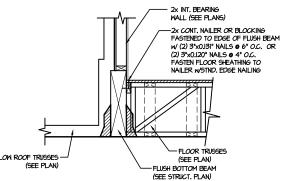


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL WHEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE
- INSTALLED ON EXTERIOR FACE OF SHTG. € MAY BE MOVED 1½° FROM EDGE TO ALLOW FOR DOOR NAILING REQUIRED ONLY ● OPENINGS WHERE SPECIFIED ON PLAN

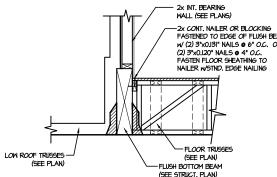
TYPICAL EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE MISS



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



6/12/2

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M&K project number: 126-2306

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issue date: 06-12-25

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initial:

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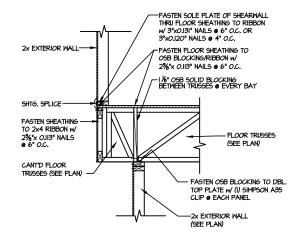
EPH T. R

COMMUNIT POND CC TOWNSEND I, NC BLAKE LOT 117- RALEIGH

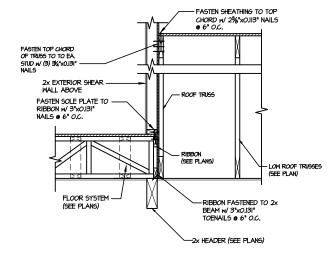
SD2.1B

BEAM w/ 3"x0.131" TOENAILS @ 6" O.C.

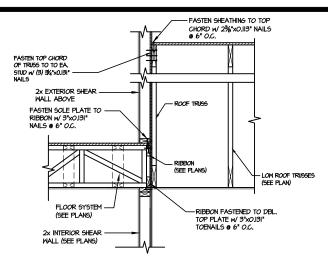
EXTERIOR SHEARWALL ABOVE



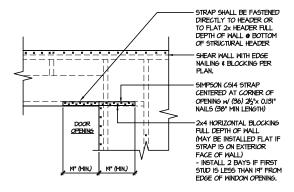
### SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



TYPICAL SHEAR TRANSFER DETAIL 6 BETWEEN FLOORS @ INTERIOR WALL

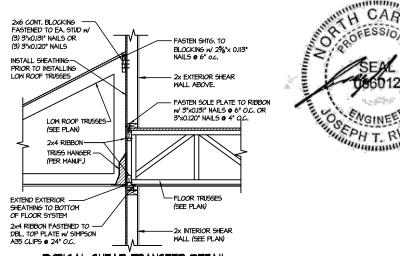


### TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

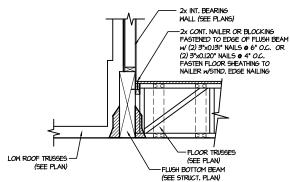


- STRAPS MAY BE INSTALLED ON EXTERIOR OR INTERIOR FACE OF WALL MEN INSTALLED ON THE EXTERIOR FACE OF THE WALL, STRAPS TO BE
  INSTALLED ON EXTERIOR FACE OF SHTG. & MAY BE MOVED IS," FROM
  EDGE TO ALLOM FOR DOOR MAILING
  REQUIRED ONLY @ OPENINGS WHERE SPECIFIED ON PLAN

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



TYPICAL SHEAR TRANSFER DETAIL 4 BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ SCALE SHEARWALL ABOVE

6/12/2

STAUCTURAL ENGINEER

MUCH RESIDENTIALS

M&K project number:

rawn by:

FVISIONS

126-2306

ssue date: 06-12-25

JAC

initial:

TH CAR

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ENGINE

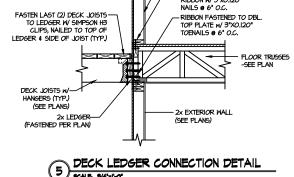
COMMUNIT

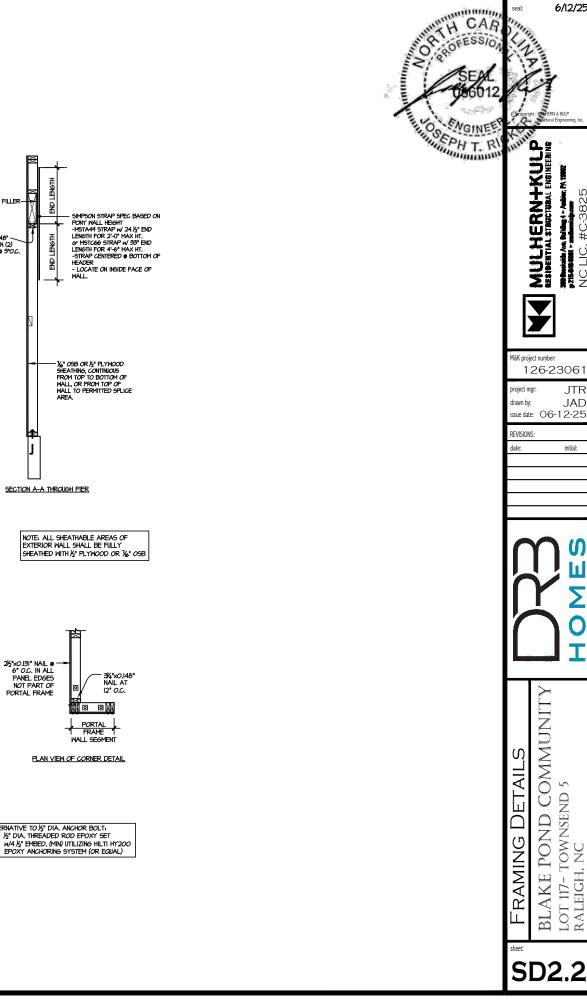
POND CC TOWNSEND I, NC BLAKE LOT 117- RALEIGH

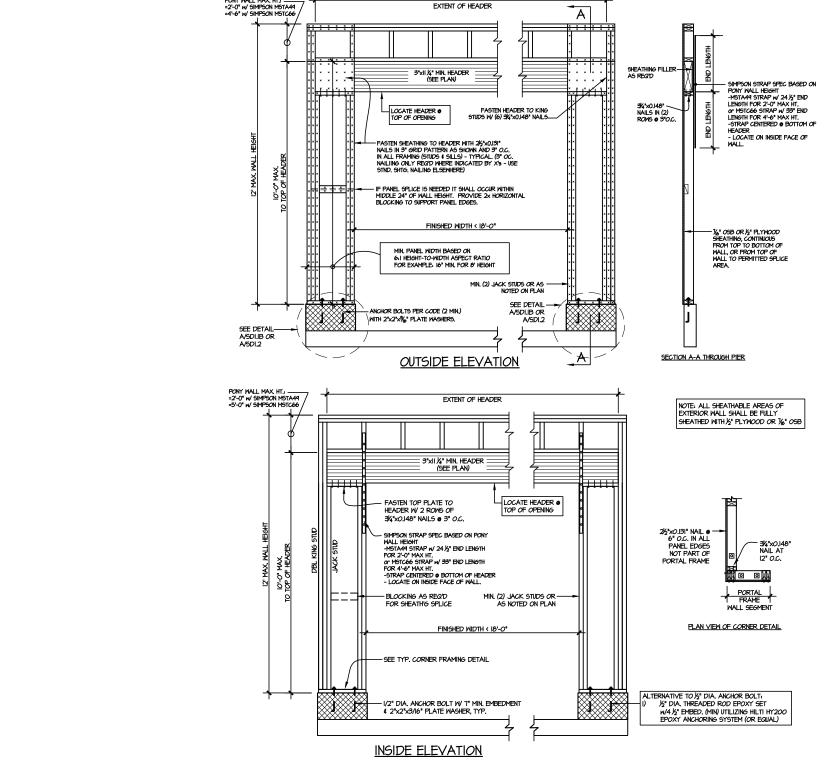
SD2.1C

- 2x EXTERIOR WALL (SEE PLANS) FASTEN SOLE PLATE TO RIBBON w/ 3"x0.120" NAILS @ 6" O.C. FASTEN LAST (2) DECK JOISTS-TO LEDGER W SIMPSON H3 CLIPS, NAILED TO TOP OF RIBBON FASTENED TO DBL. TOP PLATE w/ 3"XO.120" LEDGER & SIDE OF JOIST (TYP.) FLOOR TRUSSES -SEE PLAN DECK JOISTS W (SEE PLANS) 2x EXTERIOR WALL 2v I FDGER

SCALE: 8/4"=1"-0







TWO SIDED GARAGE PORTAL FRAME BRACING

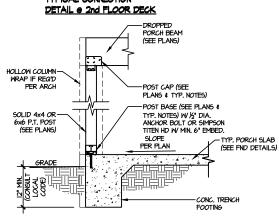
ELEVATION ON CMU STEM

SCALE: N.T.S.

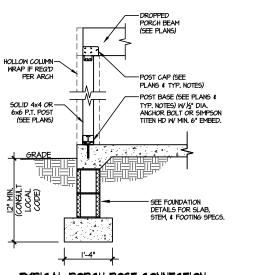
Distr Dand 1st 117 Ctm, dissplante, 6/10/2006 10:42 DM

6/12/2

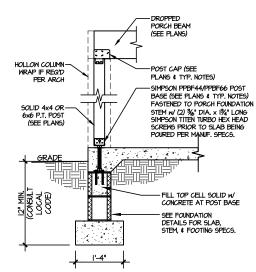
### TYPICAL CONNECTION



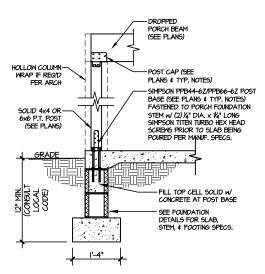
1'-4" TYPICAL PORCH POST CONNECTION DETAIL
SCALE: NONE SLAB ON GRADE SHOWN (RAISED SLAB SIM.)



TYPICAL PORCH POST CONNECTION DETAIL INSTALLED AFTER SLAB POUR
SCALE: NONE CRANLSPACE FOINDATION



TYPICAL PORCH POST CONNECTION DETAIL INSTALLED PRIOR TO SLAB POUR



TYPICAL PORCH POST CONNECTION B DETAIL INSTALLED PRIOR TO SLAB POUR CRAVLSPACE FOUNDATION

**Y** 

M&K project number:

Irawn by:

REVISIONS

126-2306

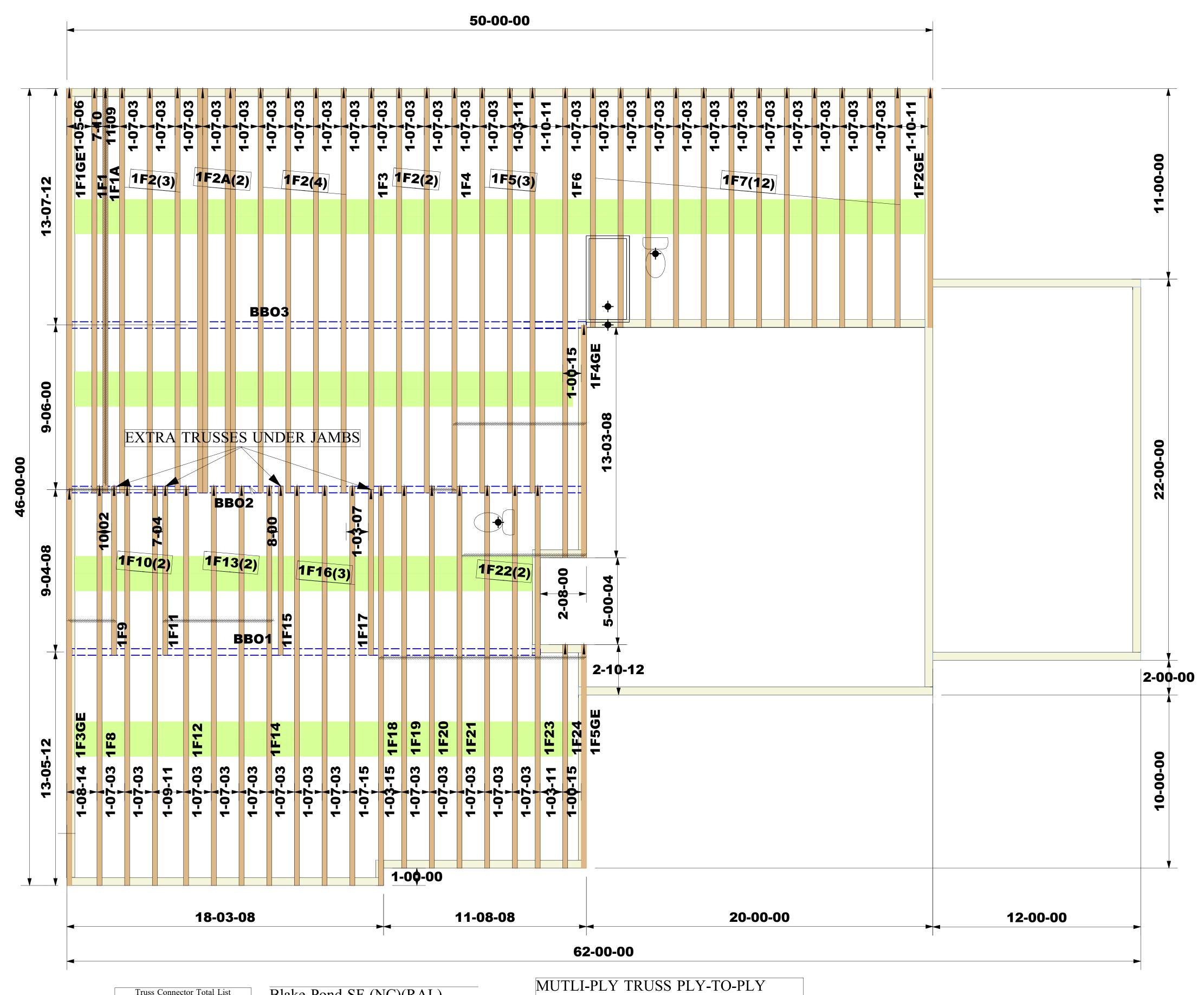
issue date: 06-12-25

JAC

initial:

BLAKE POND COMMUNIT' Lot 117- Townsend 5 Raleigh, nc **DETAILS** 

**SD3.0** 



Truss Connector Total List

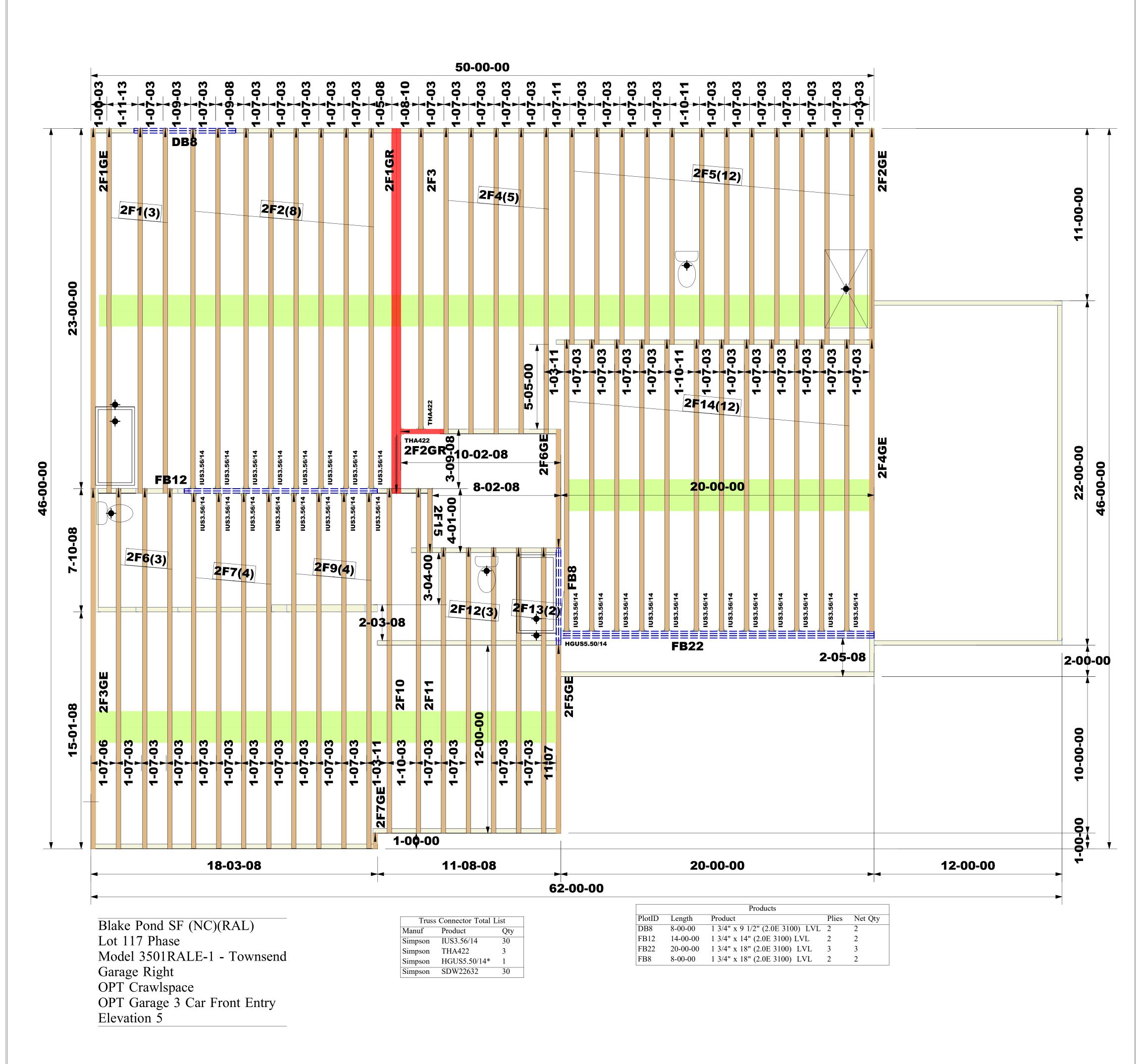
Manuf Product Qty

Simpson SDW22632 30

Blake Pond SF (NC)(RAL)
Lot 117 Phase
Model 3501RALE-1 - Townsend
Garage Right
OPT Crawlspace
OPT Garage 3 Car Front Entry
Elevation 5

MUTLI-PLY TRUSS PLY-TO-PLY CONNECTION
EACH 1F2A: SDW22632 SCREWS IN ALL TOP CHORD @ 24" OC

Job #: 2505-7940	WARNING:  CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE	NOTE:  IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO	Customer: DRB RALEIGH		
Job Path:	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	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:  Abhijit Bera	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 #: 117	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	

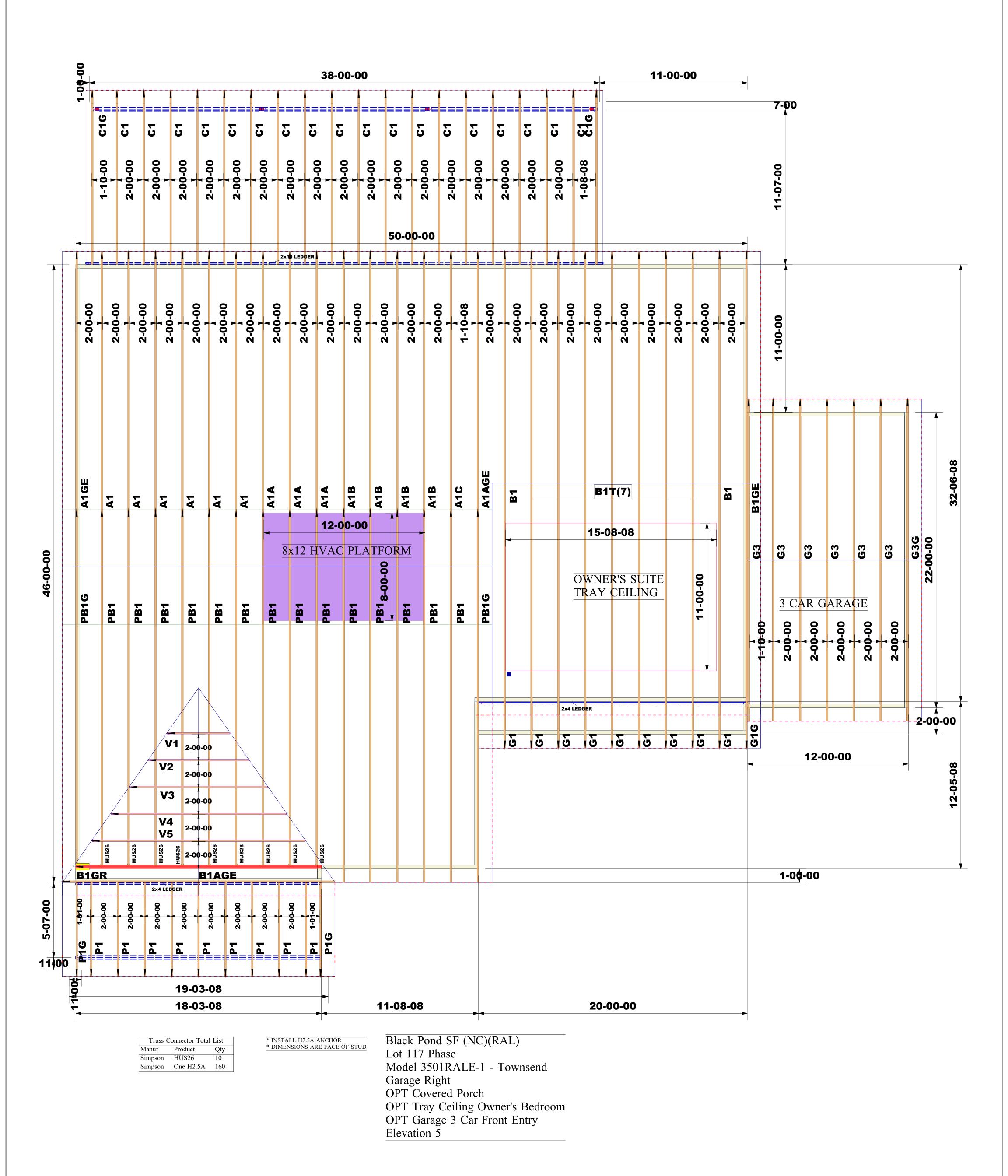


MUTLI-PLY TRUSS PLY TO PLY CONNECTION 2F1GR- 3 SDW22632 SCREWS IN TOP CHORD @ 4" OC @ SUPPORTED TRUSS; 8 SDW22632 SCREWS @ STAIR HEADER AREA @ 6" OC & ADDITIONAL SCREWS @ 2' OC ALONG THE REST OF THE TOP CHORD

Job #:	WARNING:	NOTE:	Cuetere DDD DALEIGH	
2505-7940	CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER. PLATE MANUFACTURER. OR THE	IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO	Customer: DRB RALEIGH	
Job Path:	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	SUPPORTING STRUCTURE PER REACTIONS SHOWN	Job Name: Blake Pond	Third-Party Quality Assurance Licensee TPI Plant W974
Designer:  Abhijit Bera	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 CONSTRUCTIION DESIGN, DRAWINGS, DOCUMENTS	Lot #: 117	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	Model Name: Townsend	Phone: 301-271-7591 Fax: 301-271-5441

# **ROOF TRUSS LAYOUT**

SCALE: NTS



Job #: Customer: DRB Raleigh **WARNING: NOTE:** CONVENTIONAL FRAMING, ERECTION AND/OR IT IS THE RESPONSIBILITY OF THE BUILDING 2505-7941 PERMANENT BRACING IS NOT THE RESPONSIBILITY OF DESIGNER OR ARCHITECT TO PROVIDE AN THE TRUSS DESIGNER, PLATE MANUFACTURER, OR THE APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN TRUSS MANUFACTURER. PERSONS ERECTING Third-Party Quality Assurance Licensee Job Name: Blake Pond Lot 00.0117 Roof TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS ADVICE REGARDING THE ERECTION BRACING WHICH IS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING TPI Plant W974 ALWAYS REQUIRED TO PREVENT TOPPLING AND (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST DOMINOING DURING ERECTION; AND PERMANENT BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS **BRACING WHICH MAY BE REQUIRED IN SPECIFIC** LAYOUT PRIOR TO FABRICATION. Structural, LLC APPLICATIONS. SEE "BRACING WOOD TRUSSES Designer: THIS COMPANY IS A TRUSS MANUFACTURER WHOSE COMMENTARY AND RECOMMENDATIONS" (BCSI 1) FOR <u>ot #:</u> 00.0117 RESPONSIBILITIES ARE LIMITED TO THOSE 201 Poplar Avenue DESCRIBED IN WTCA 1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS Abhijit Bera TRUSSES SHALL BE INSTALLED IN A STRAIGHT AND Thurmont, MD 21788 ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE PLUMB POSITION WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS. THEY CONSTRUCTION DESIGN. DRAWINGS. DOCUMENTS INCLUDING THE INSTALLATION, AND BRACING OF SHALL BE BRACED AS SPCIFIED ON THE ENGINEERED Phone: 301-271-7591 DESIGN. TRUSSES SHALL BE HANDLED WITH TRUSSES MANUFACTURED BY THIS COMPANY. Model Name: Townsend REASONABLE CARE DURING ERECTION TO PREVENT

DAMAGE OR PERSONAL INJURY.

Robbie Zarobinski