# DRAYTON-RALE

RALEIGH - LOT 00.0181 THE FARM AT NEILL'S CREEK

(MODEL# 2695)

ELEVATION 5 - GR

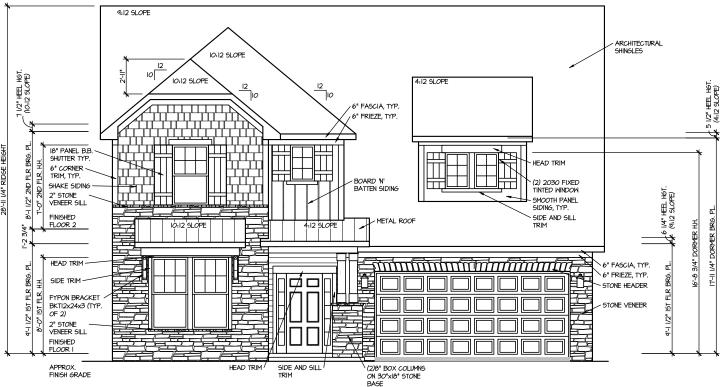


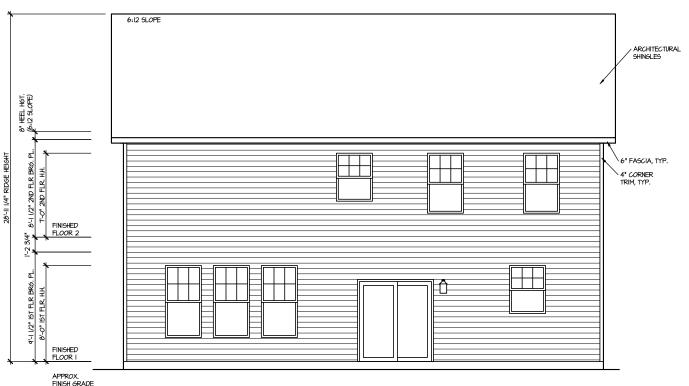
AREA CALCULATIONS  ELEVATION 5 FIRST FLOOR GARAGE FRONT PORCH - ELEVATION 5 SECOND FLOOR	TOTAL	HEATED 1266 SF 1491 SF 2757 SF	COVERED / UNHEATED  547 SF 55 SF  602 SF	UNCOVERED

# 101 Appleseed Drive

LOT	SPECIFIC	
	LOT 00.0181	
	201 0010101	DRAYTON REV. RALE 2 ELEVATION 5
2	ADDRESS	101 APPLESEED DR LILLINGTON, NC 27546
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REAR ELEVATION 5 SCALE: 1/8" = 1'-0"

(2)8" BOX COLUMNS ON 30"XI8" STONE BASE FRONT ELEVATION 5 SCALE: 1/8" = 1'-0" APPROX. FINISH GRADE

ᇳ HOUSE NAME:

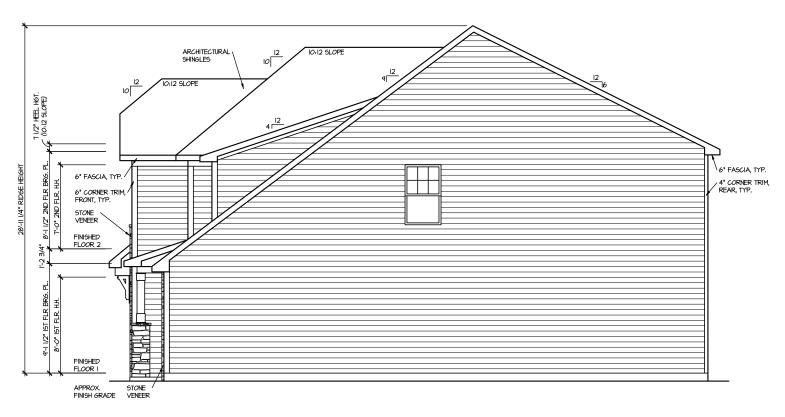
DRAYTON

DRAWING TITLE # NONT |-

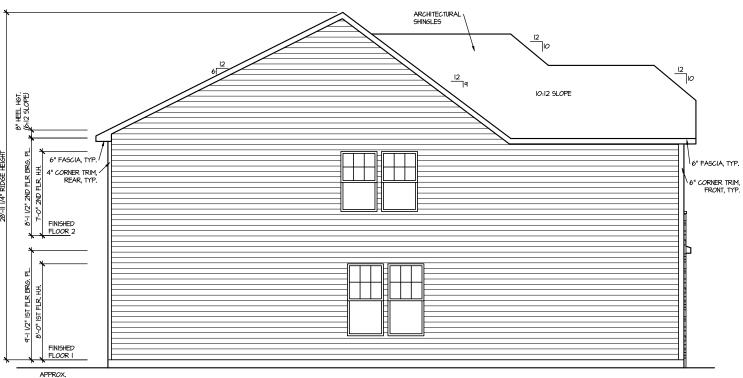
DRAWN BY: DATE: 03/28/2025

PLAN NO. 2695

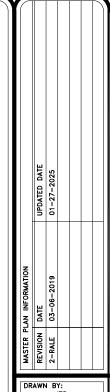
SHEET No. A



# RIGHT ELEVATION 5



LEFT ELEVATION 5



DRAWN BY: DATE: 03/28/2025 PLAN NO. 2695



ELEVATIONS

HOUSE NAME:
DRAYTON
DRAWING TITLE
RIGHT & LEFT

SHEET No.

**ROOF VENTILATION CALCULATIONS:** 

ROOF AREA = 1836 50, FT.

OVERALL REQUIRED VENTILATION:

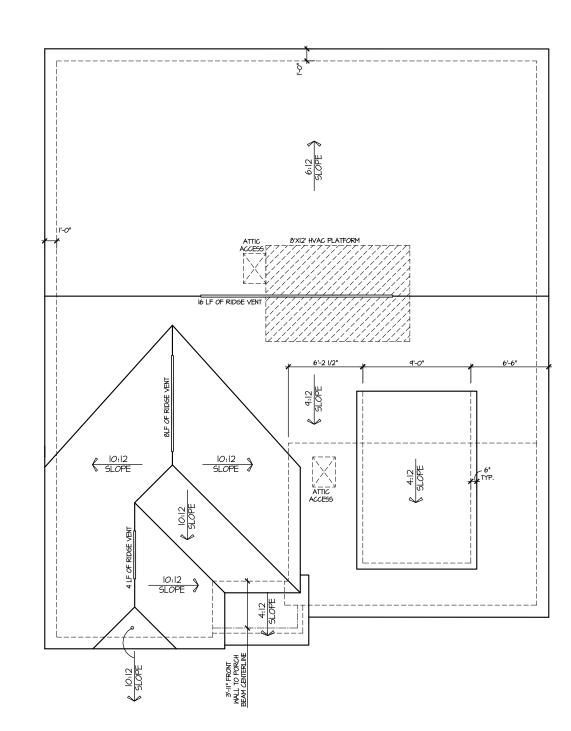
1 TO 150 = 12.24 50, FT.

1 TO 300 = 6.12 50, FT.

50-80% IN TOP THIRD = 3.06-4.40 FT. (1 TO 300)

NET FREE AREA OF VENTED SOFFIT = 5.7 SQ. IN / LINEAR FT. NET FREE AREA OF RIDGE VENT = 18 SQ. IN/ LINEAR FT.

LOWER VENTING: (BOTTOM 2/3 RDS)
71 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 3.05 SQ. FT.
UPPER VENTING: (TOP I/3 RD)
26 LINEAR FEET OF RIDGE X I8 SQ. IN = 3.5 SQ. FT.
3.5 SQ. FT. BETWEEN 50% - 80%
(I TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 6.55 SQ. FT. > 6.12 SQ. FT. (RQ'D)



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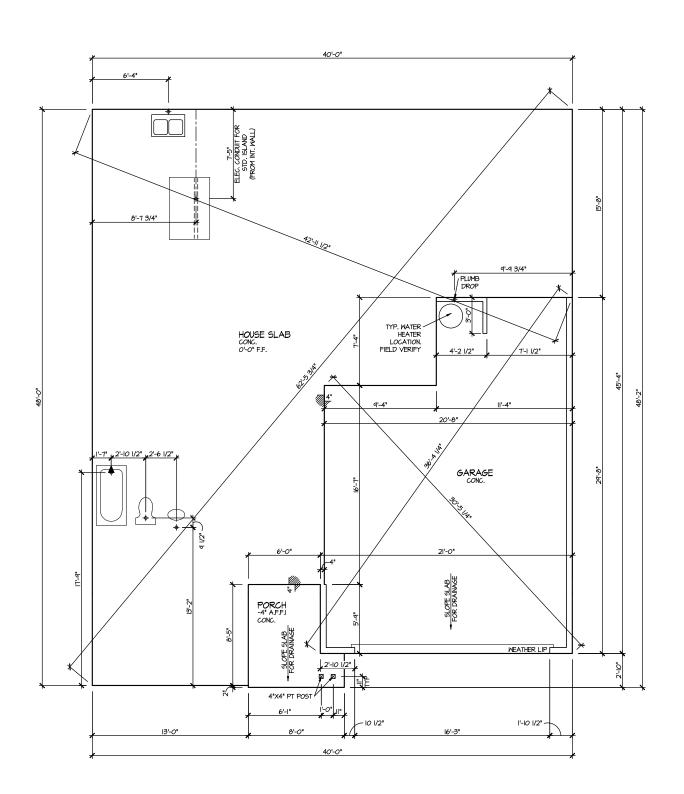
DATE: 03/28/2025 PLAN NO. 2695

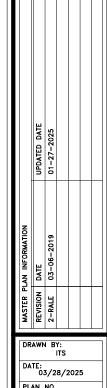


HOUSE NAME:
DRAYTON
DRAWING TITLE
ROOF PLAN

SHEET No.

ROOF PLAN ELEV. 5





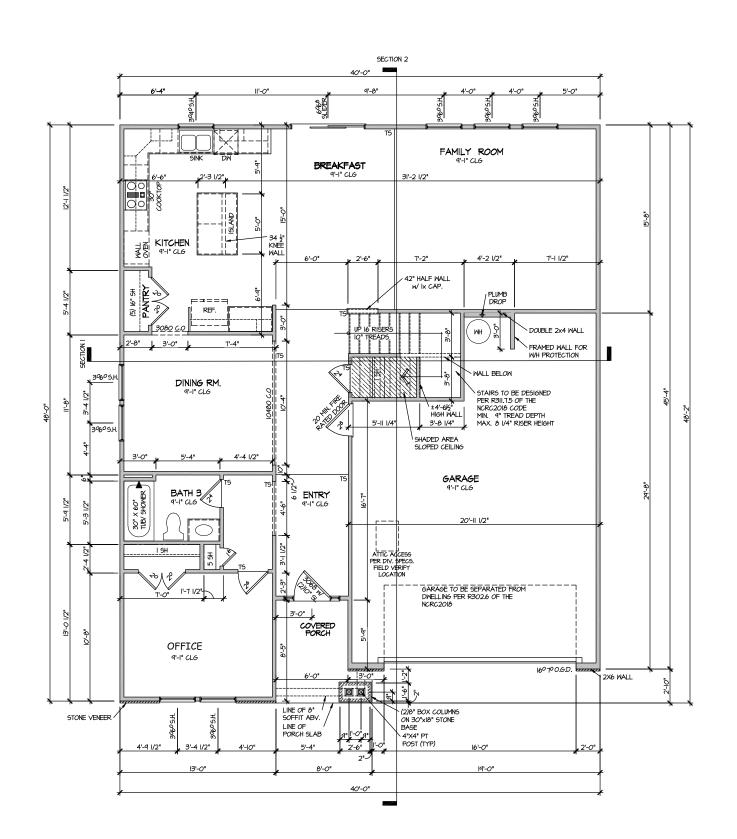
PLAN NO. 2695



HOUSE NAME:
DRAYTON
DRAWING TITLE
SLAB PLAN

SHEET No. A2.1

ELEVATION 5 SLAB PLAN SCALE, 1/0" = 1-0"



DRAWN BY:

DATE: 03/28/2025 PLAN NO. 2695

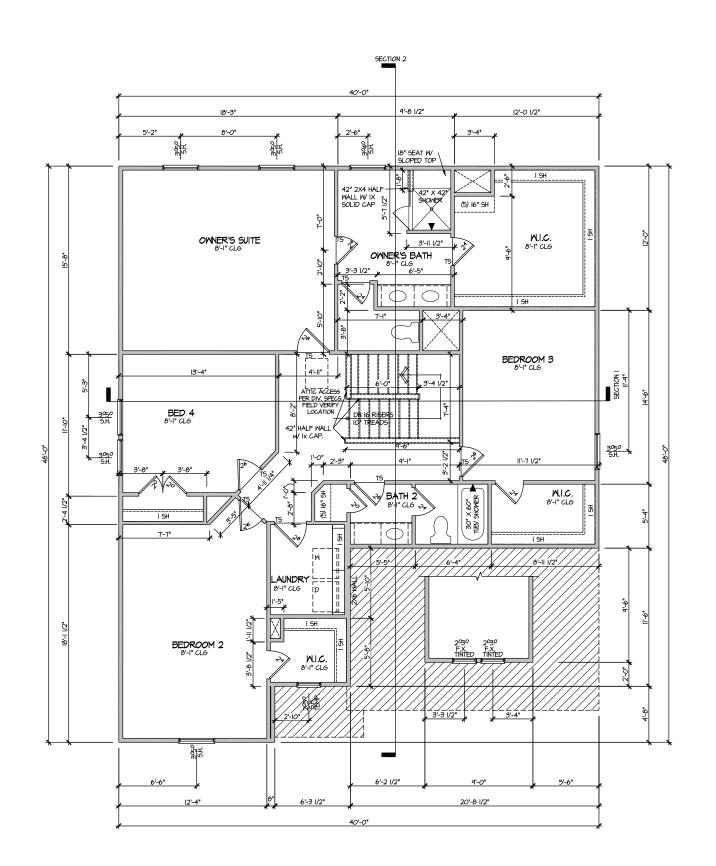


HOUSE NAME:
DRAYTON
DRAWING TITLE
FIRST FLOOF

ELEVATION 5 FIRST FLOOR PLAN

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

SHEET No. A3.



DRAWN BY:

DATE: 03/28/2025 PLAN NO. 2695

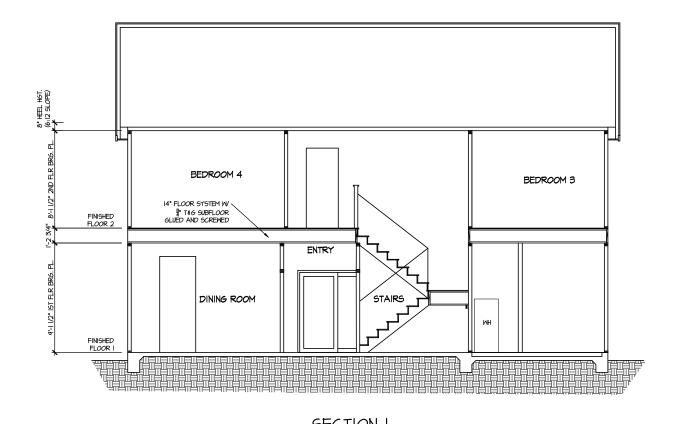


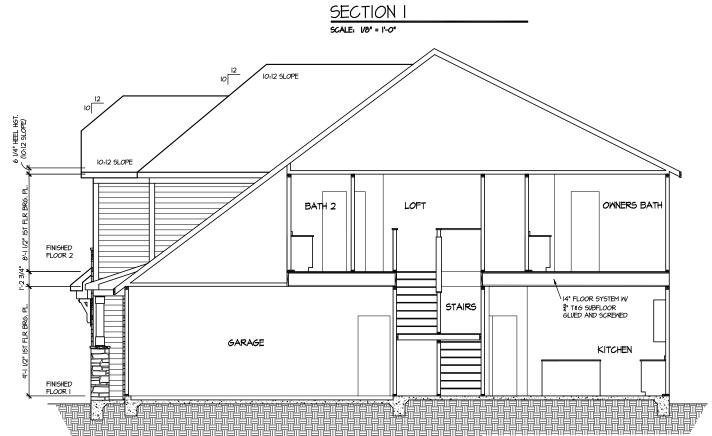
HOUSE NAME:
DRAYTON
DRAWING TITLE
SECOND FLO

SHEET No.

ELEVATION 5 SECOND FLOOR PLAN SCALE: 10° = 1"-0"

A3.2





SECTION 2

HOUSE NAME:
DRAYTON
DRAWING TITLE
BUILDING SEC

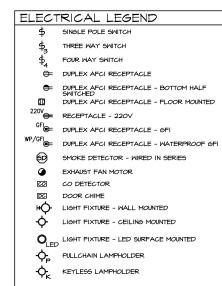
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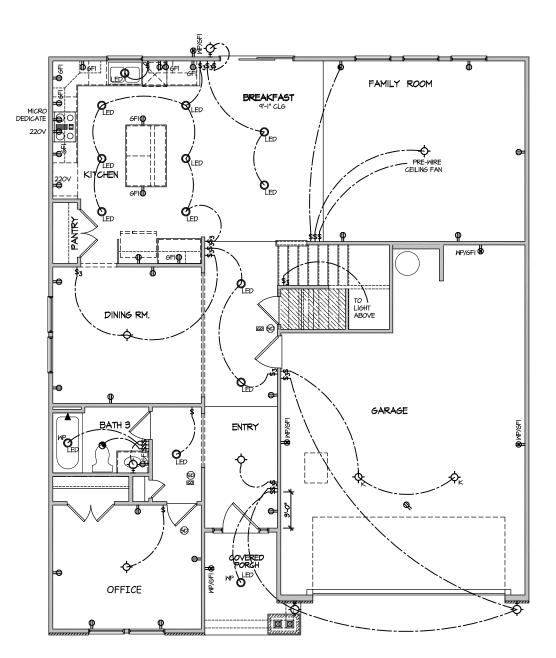
PLAN NO.
2695

SHEET No.

00:0181:04 PATE: 3/28/2023 10:04 AM



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.



DRAWN BY:

DATE: 03/28/2025 PLAN NO. 2695



HOUSE NAME:

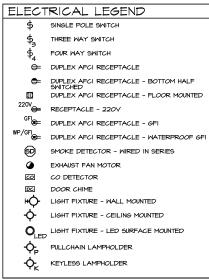
DRAYTON

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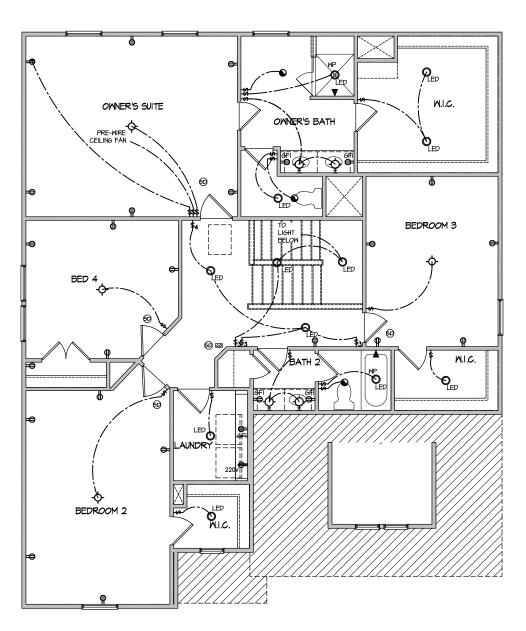
SHEET No.

ELECTRICAL PLAN FIRST FLOOR - ELEV. 5

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



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.





DRAWN BY: ITS DATE: 03/28/2025 PLAN NO. 2695



HE PLOOR ELECTRICAL

HOUSE NAME:

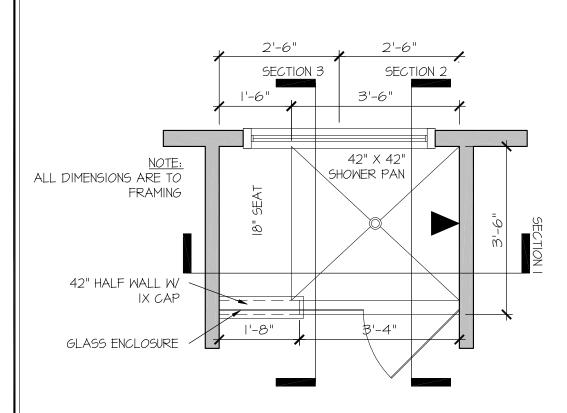
DRAYTON

DRAWING TITLE

SECOND FLOOR EL

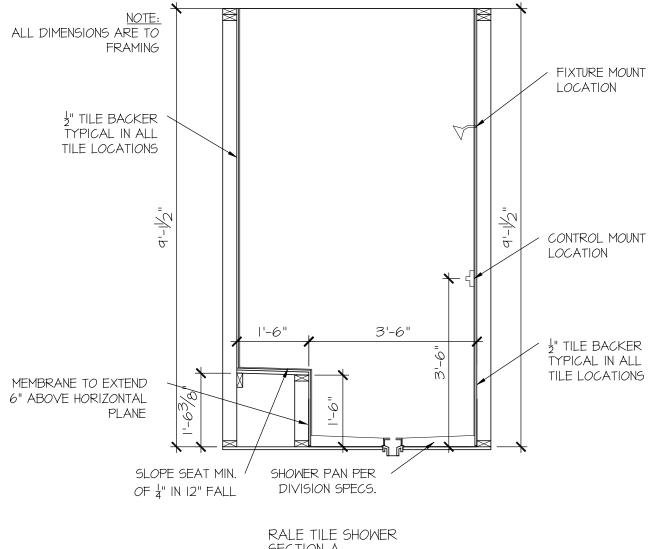
SHEET No.

**≣**1.2



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

~ "

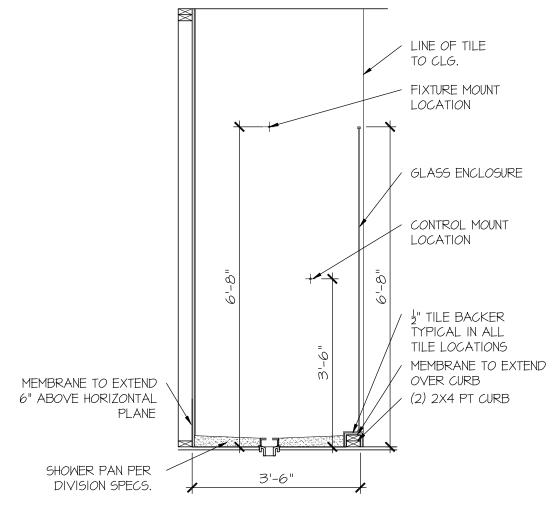


E ILE SHOWER DETAIL

OUSE NAME:

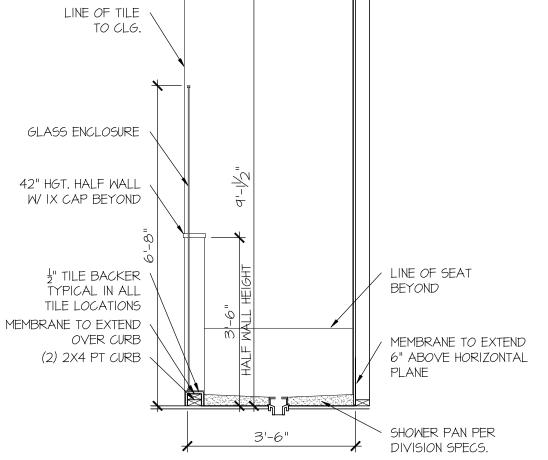
SHEET No.

P||.2



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





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

### **FOUNDATION**

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE RESIDENTIAL CODE.
- FOOTING DESIGN 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
  • 1/2" DIA. ANCHOR BOLTS • 6'-0" O.C., 7" MIN. EMBEDMENT
- (CONC), 15" MIN. EMBEDMENT (CMU)
- SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC)
- SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU)
- (REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIEY 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 316. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 26 DAYS, U.N.O.:
  - 4,000 psi: ...... FOUNDATION WALLS
    2,500 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 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 1st FLOOR DECK
- PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN CONCRETE BSMT, FND, WALL WITH 2" CLEAR, REINFORGEMENT
- 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 ENTRAINMENT
- ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
- JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
- · JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS
- POSSIBLE (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 (Fm=1500 psi), MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 \$ 530.1.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C.
- PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS. FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY
- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FO SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.

### ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

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

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

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

### 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.

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

LOAD DURATION FACTOR = 1.25

LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (I-JOISTS & SOLID SAWN)
10 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 MII 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 (KILN-DRIED), ALL HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS & SIZED ACCORDINGLY, CODE TABLES HAVE NOT BEEN USED.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 16" O.C. (MAX., U.N.O.)

  • HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
- (I)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=3I0 psi; E=1.55xI0^6 psi
   'LVL' Fb=2600 psi; Fv=285 psi; E=2.0xI0^6 psi
- 'PSL' FB=2400 PSI; FV=240 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 M+K FOR STRUCTURAL REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"X0.120" NAILS @ 8" O/C OR 2 ROWS 1/4"X31/2" SIMPSON SDS SCREWS (OR 31/3" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3  $\mbox{\it K}_2$ " OR 5  $\mbox{\it K}_2$ " BEAMS ARE ACCEPTABLE. USE 2 ROMS OF NAILS FOR 2x6 & 2x8 MEMBERS
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE, A SOLID 7" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.

  - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE
- NUMBER OF JACK STUDS REQUIRED, U.N.O.,
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3"X0.131" NAILS @ 24" O.C. (MIN.), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND./BEARING. BLOCKING TO MATCH POST ABOVE
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s ('HILTI' X-CF PINS OR EQUAL) • 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS • 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, U.N.O.

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

### FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUE, 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 TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- 2 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES & @ 12"o.c. FIELD.
- 2 3 × 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD. - 2 🖁 × 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 POOF TRIES TO TOP PLATE W/ SIMPSON H25T CLIE (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T 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.O.
- 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" OC MAX (1-1015TS) - 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 MEMBERS
- W/ 2 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES & @ 12" O.C. FIELD. - w/ 2 🖁 × 0.120" NAILS @ 4"o.c. @ PANEL EDGES & @ 8" O.C. FIELD.
- w/ 2 👸 × 0.113" NA1LS 🥝 3"o.c. 🐠 PANEL EDGES 🕏 🥝 6" O.C. FIELD.

### HOLD-DOWN SCHEDULE

	5YMBOL	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	
	► HD-3	SIMPSON STHDI4/STHDI4R I	

\* UTILIZE THE SSTB24 ANCHOR BOLT @ ALL MONOSLAB & INTERIOR RAISED SLAB (I.E. THICKENED SLABS, FOOTINGS) CONDITIONS. MINIMUM 24" MIN. OOTING THICKNESS REQUIRED

EPOXY-SET ALTERNATE FOR MONOSLAB & INTERIOR RAISED SLAB ONDITIONS ONLY: UTILIZE SIMPSON 'SET' EPOXY SYSTEM THREADED ROD INTO CONCRETE FOUNDATION, PROVIDE 10" (FOR 5/8" DIA.) OR 5" (FOR 1/8" DIA.) MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUE, INSTRUCTIONS, MINIMUM 16" FOOTING THICKNESS REQ'D. DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF CONCRETE.

### LEGEND

- 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
UP TO 12'-0"	(2)2x8	(3)2×8

### NOTES:

• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 24" OC (MAX)

### LATERAL BRACING & SHEAR MALL 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 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 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 UPLIET 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

- 1/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3/8"XO.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 <u>NOT</u> 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 K" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES \$ @ 6" O.C IN FIELD.

### BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING w/ 2 3/8" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 3/4" 16 GA STAPLES (1/6" 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 √ 8d NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

### **NOTES**

- SEE CONNECTION SPECIFICATIONS CHART FOR ADDITIONAL CAPACITY IS REQUIRED BY DESIGN T WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C MAX. STUD SPACING, U.N.O. • ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)
- INDICATES EXTENT OF INT. OSB SHEARWALL OR 3" O.C. OSB SHEARWALL.
  - INDICATES 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 TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENT 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 INSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY OR WARRANTY TOLERANCES.

### VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x/4"
	3 FT. MAX	L3"x3"x/4"
6'-0"	I2 FT. MAX	L4"x3"x/4"
	20 FT. MAX	L5"x3½"x¾"
	3 FT. MAX	L4"x4"x/4" *
8'-0"	I2 FT. MAX	L5"x3½"x¾"
	I6 FT. MAX	L6"x3½"x%"
9'-6"	I2 FT. MAX	L6"x3½"x¾"
16'-0"	2 FT. MAX	L7"x4"x½" **
10-0	3 FT. MAX	L8"x4"x½" **

- ALL LINTELS:

   SHALL SHPORT 2 %\* 3 ½\* VENEER W 40 psf MAXIMIM MEIGHT.

  < 6 SHALL HAVE 4\* MIN, BEARING</p>
  < 16 SHALL HAVE 5\* MIN, BEARING</p>
  < 6 SHALL HAVE 5\* MIN, BEARING</p>
  < 16 SHALL NOT BE FASTENED BACK TO HEADER.</p>
  < 16 SHALL BE FASTENED BACK TO HEADER NI MALL •40° o.c.</p>
  W ½\* DIA, x 3 ½\* LONG LAG 5CREWG IN 2\* LONG VERTICALLY
  SLOTTED HOLES.
   HAX, VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- OFENING.
  ALL LINTELS SHALL BE LONG LEG VERTICAL.
  HEND SUPPORTING VENEER (3" MIDE THE EXTERIOR TOE OF THE
  HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ½" MIDE OVER
  THE BEARING LENGTH ONLY, THIS IS TO ALLOW FOR MORTAR JOINT
  EINIGLIBAG.
- HEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT COMPASSED BY THE ABOVE PARAMETERS, FOR ANY LINTEL ASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2½" IINIMM) CLEAR DISTANCE FROM BOTTOM OF BEAM.
- (MINIMUM) CLEAR DISTANCE PROMISOTION OF BEAM.

  1 FOR QUEEN VENEER USE L4x3x/4".

  1 FOR 3½" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF
  VENEER < 3½" THICK.

### ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)194"x14" - F	3½"x 4" - F	(2)13/4"×14" - F	(2)2xl2 + (I) ¼"xll¼" STEEL FLITCH PLATES - FB	WI2xI4 - F
002	(2)19/4"×14" - F	3½"x 4" - F	(2)19/4"×14" - F	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - FB	WI2xI4 - F
003	(3)1¾"x18" - FB or (2)1¾"x20" - FB	5¼"xl8" - FB	N/A	(3)2xl2 + (2) %"xlK" STEEL FLITCH PLATES - FB	WI2x26 - F
004	(2)i¾"xi4" - F	3½"x 4" - F	(2)i¾"xi4" - F	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - FB	WI2xI4 - F
005	(2)1¾"×11½" - H cont.	3½"x11%" - H cont.	(2)134"x1136" - H cont.	(3)2xl2 + (2)以"xll%" STEEL FLITCH PLATES - H cont.	N/A
005A	(3)13/4"×14" - H cont.	51/4"×14" - H cont.	N/A	(3)2xl2 + (2)以"xll"%" STEEL FLITCH PLATES - H cont.	N/A
006	(I) % "x 4" - F	3½"x 4" - F	(2)13/4"×14" - F	(2)2x12 + (1) ¼"x14" STEEL FLITCH PLATES - FB	WI2xI4 - F
001	(2)1¾"×11%" - D	3½"×II%" - D	(2)1¾"x11¾" - D	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - D	WI0xI2 - D
008	(2)13/4"x16" - H cont.	3½"x16" - H cont.	(3)13/4"×16" - H cont.	(3)2xl2 + (2) 片"xll片" STEEL FLITCH PLATES - H cont.	N/A
009	(2)134"×94" - F	3½"x9¼" - F	(2)134"×944" - F	(2)2x10 + (1) ¼"x9¼" STEEL FLITCH PLATES - F	₩8×10 - F
010	(2)19/4"×14" - F	3½"x 4" - F	(2)19/4"×14" - F	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - FB	WI2xI4 - F
OII	(2)19/4"×14" - F	3½"x 4" - F	(2)19/4"×14" - F	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - FB	WI2xI4 - F
012	(2)13/4"×117/6" - D	3½"xII%" - D	(2)13/4"x117/6" - D	(2)2xl2 + (l)从"xll以" STEEL FLITCH PLATES - D	WI0x12 - D

- BEAM NOTATION: "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM
- "H" INDICATES DROPPED OPENING HEADER
  REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
- FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W (2) 3"XO.120" NAILS 8" O.C.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQ'D. FASTEN
- PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.

CAR OFESSIO. ENGINE

STRUCTURAL ENGINEER 三  $\mathbf{\Sigma}$ Y

1&K project numbe 126-22076

ITE rawn by: TEV ssue date: 03-31-2

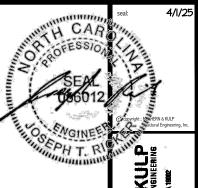
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CREE TRUCTURAL NOTE NEIL'S  $\triangleleft$ DR,

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M&K project number: 126-22076

JTR drawn by: TEV issue date: 03-31-25

REVISIONS:

initial:

FARM AT NEIL'S CREEK LOT 181 - DRAYTON 5

### LEGEND

- INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- --- BEAM / HEADER
- ullet =  $\blacksquare$  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.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES \$ SCHEDULES

FOUNDATION PLANS LOT 181 – DRAYTON 5 RALEIGH, NC **S**1

STEEL OPTION

WI2xI4 - F

WI2xI4 - F

WI2x26 - F

WI2xI4 - F

N/A

N/A

WI2xI4 - F

WI0x12 - D

N/A

W8xI0 - F

WI2xI4 - F

WI2xI4 - F

WI0x12 - D

FLITCH OPTION (2)2xl2 + (l) 从"xli以" STEEL FLITCH PLATES - FB

(2)2xl2 + (l) 从"xl以" STEEL FLITCH PLATES - FB

(2)2xl2 + (I) ¼"xll¼" STEEL FLITCH PLATES - FB

3)2xl2 + (2)从"xll%" STEEI FLITCH PLATES - H cont.

(3)2xl2 + (2) ¼"xll¾" STEEL FLITCH PLATES - H cont.

(2)2xl2 + (I) ¼"xl4" STEEL FLITCH PLATES - FB

(2)2xi2 + (I) 以"xii以" STEEL FLITCH PLATES - D

(3)2x12 + (2) ½"xII¼" STEEL FLITCH PLATES - H cont.

(2)2x10 + (1) ¼"x4¼" STEEL FLITCH PLATES - F

(2)2xi2 + (I) ¼"xil¼" STEEL FLITCH PLATES - FB

(2)2xl2 + (l) 从"xli以" STEEL FLITCH PLATES - FB

(2)2xl2 + (I) 从"xll以" STEEL FLITCH PLATES - D

MUCHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



&K project number 126-22076

JTR TEV ssue date: 03-31-2

REVISIONS: initial:

CREEK

NEIL'S

AT

FARM

**S2.0** 

DRAYTON

LOT 181

PLANS

FLOOR FRAMING

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

### LEGEND

SD2, REFERS TO SD2, IA FOR

- INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- BEAM / HEADER
- ullet INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING

ENGINEERED BEAM MATERIAL SCHEDULE

LSL OPTION

(2)13/4"x14" - F

(2)13/4"×14" - F

N/A

(2)13/4"x14" - F

'2)13¼"×113⁄6" - H cont

N/A

(2)13/4"x14" - F

(2)13/4"×111/6" - D

(2)134"×94" - F

(2)13/4"x14" - F

(2)13/4"×14" - F

(2)134"x1136" - D

- 'HD' INDICATED FLUSH BOTTOM BEAM
- 'PJ' INDICATES PROPPED BEAM
- 'HI' INDICATES PROPPED OPENING HEADER
REFER TO DETAIL D/5D2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
REFER TO DETAIL E/5D2.0 FOR TYPICAL STELL 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.

LVL OPTION

(2)13/4"×14" - F

(2)|%"x|4" - F

3)1¾"x18" - FB *o*r (2)1¾"x20" - FB

(2)13/4"×14" - F

2)134"×1136" - H cont.

3)13/4"x14" - H cont.

(I)I3/4"×I4" - F

(2)13/4"×11%" - D

'2)13¼"×16" - H cont.

(2)134"×944" - F

(2)13/4"×14" - F

(2)13/4"x14" - F

(2)1¾"×11½" - D

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

001

002

003

004

005

005/

006

001

008

009

010

012

PSL OPTION

3½"xl4" - F

5¼"xl8" - FB

3½"xl4" - F

3½"x11%" - H cont

51/4"x14" - H cont

3½"x14" - F

3%"xII%" - D

3½"x16" - H cont.

36"x|4" - F

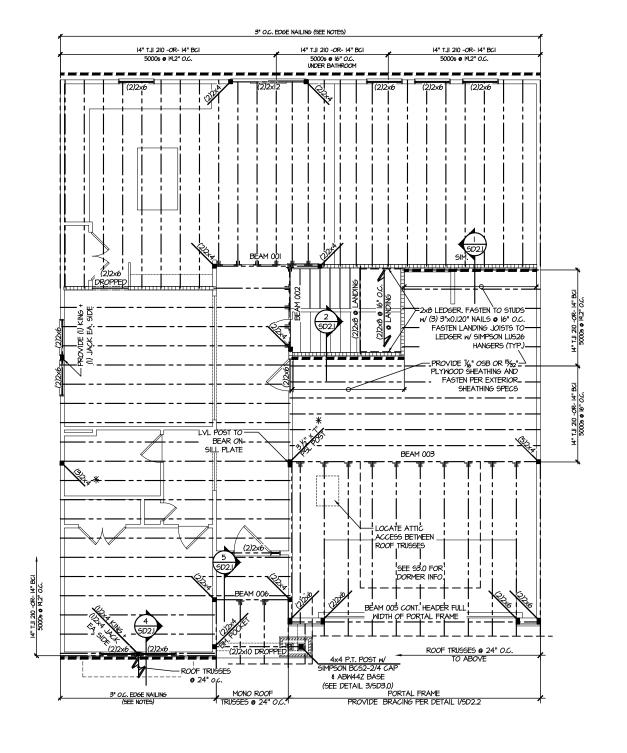
36"x|4" - F

3½"xII%" - D

PLATES IN SUCCESSION W (2) 3"X0,120" NAILS @ 8" O.C.

- \* 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



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

LEGEND

- INTERIOR BEARING WALL
- □===□ BEARING WALL ABOVE
- ullet =  $\blacksquare$  INDICATES SHEAR WALL & EXTENT

- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

- --- BEAM / HEADER
- EXTENT OF OVERFRAMING
- \* INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

FARM AT NEIL'S CREEK
LOT 181 - DRAYTON 5
RALEIGH, NC **S3.0** \$ SCHEDULES

4/1/25

MUCHERN+KULP

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M&K project number: 126-22076

drawn by:

REVISIONS:

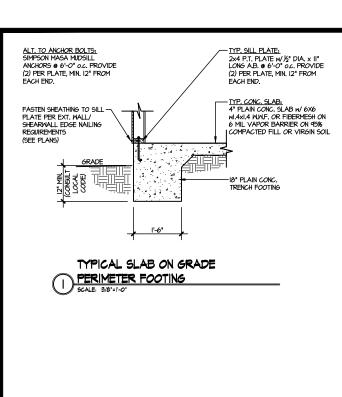
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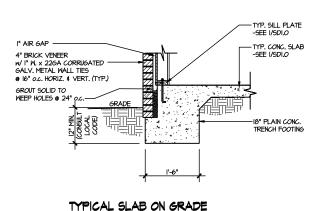
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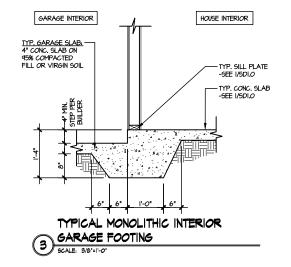
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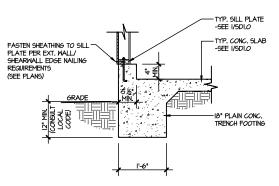




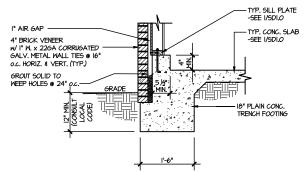
w/ BRICK VENEER

PERIMETER FOOTING

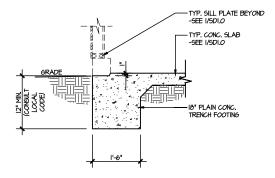




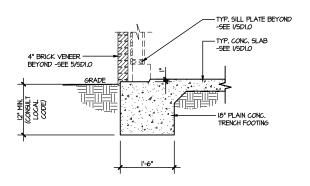




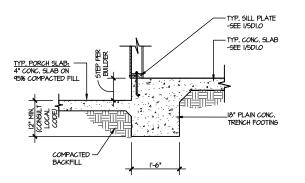




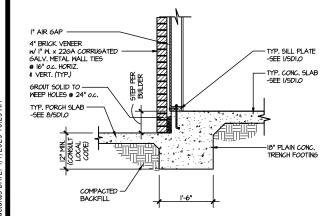




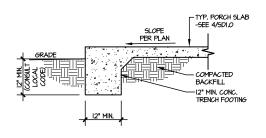
TYPICAL SLAB ON GRADE GARAGE PENTRY @ PERIMETER FOOTING



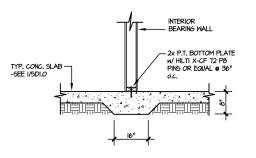
TYPICAL SLAB ON GRADE PERIMETER (8) FOOTING @ PORCH/PATIO



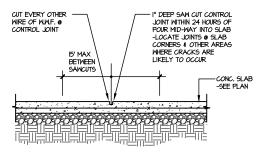
TYPICAL SLAB ON GRADE PERIMETER POOTING @ PORCH/PATIO



TYPICAL FOOTING @ PORCH SLAB



TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL





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.

OUNDATION DETAILS NEILS DRAYTON ATFARM 181 LOT

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4/1/25

STRUCTURAL ENGINEER

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M&K project number 126-22076

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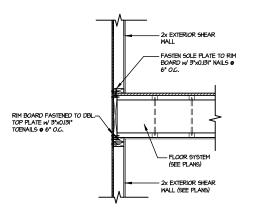
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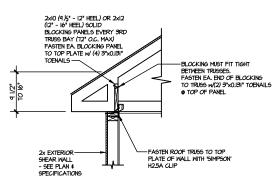
### TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

SCALE: 3/6"=1"-0" HEEL HEIGHT LESS THAN HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQ'D

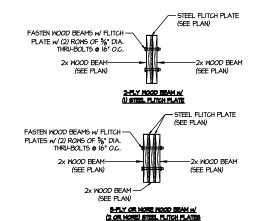


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1"-0"

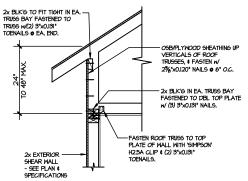


### TYPICAL SHEAR

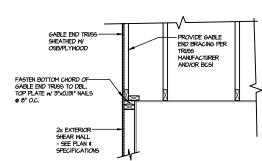
TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1"-0" HEEL HEIGHT BETWEEN 9 1/2 HEEL HEIGHT BETWEEN 9½" - 16" BLOCKING REQ'D



TYPICAL FLITCH BEAM CONNECTION DETAIL SCALE 544-1-0\*



TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS



TYPICAL GABLE END DETAIL SCALE: 3/8°=1-0°

-2x PLATE FASTENED TO TOP PACK OUT STEEL BEAM WEB W/— SOLID 2x MATERIAL & FASTEN W/ (2) ROWS OF %" DIA. THRU-BOLTS @ 16" O.C. FLANGE OF STL. BM. W/ (2) ROWS OF HILTI XU-47P8 PINS @ 16" O.C. PACKOUT & 2x FLATE -2x PLATE FASTENED TO TOP FLANGE OF STL. BM. W/(2) ROWS OF HILTI XU-47P8 PINS ● 16" o.c. DROFFED STEEL BEAM 2x FLATE CONNECTION

TYPICAL STEEL BEAM CONNECTION DETAIL SCALE 844-1-67

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.

RAMING DETAILS ARM AT NEIL'S ( FARM AT NE LOT 181 - DRAYTON 5

CREEK

4/1/25

MULHERNHKULP RESIDENTIAL STRUCTURAL ENGINEERING

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M&K project number: 126-22076

drawn by:

REVISIONS:

JTR

TEV

initial:

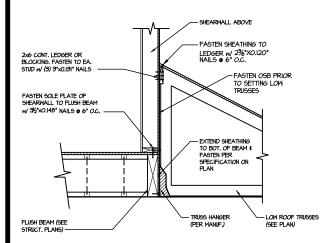
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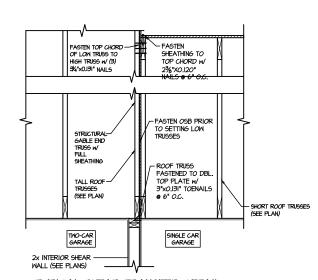
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**SD2.0** 

### SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW SCALE: 9/4"=1"-0" PAR

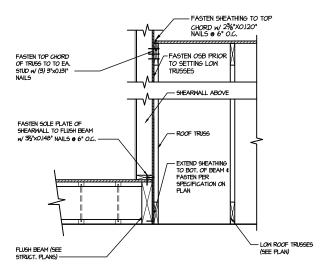


### SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE

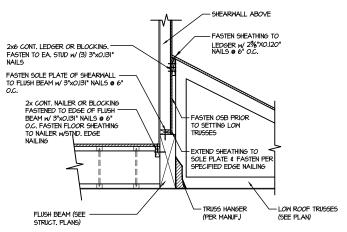


FASTEN SOLE PLATE OF -SHEARWALL THRU FLOOR SHEATHING TO SHEARWALL ABOVE OSB RIM w/ 3½"x0.148" NAILS @ 3" O.C. I-JOISTS || -SEE PLANS || FASTEN OSB RIM TO DBL. TOP PLATE w/(I) SIMPSON A35 CLIP @ 1 1/6" OSB RIM -BOARD EACH JOIST BAY (PERP. FRMG.)
OR • 16" O.C. (PARALLEL FRMG.) SHEARWALL BELOW

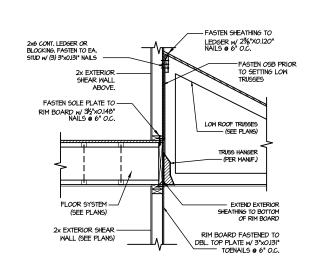
### SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW SCALE: 8/4"=1"-A"



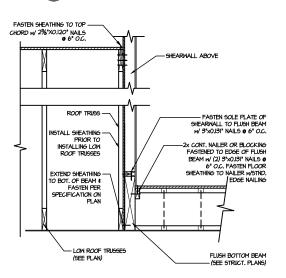
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



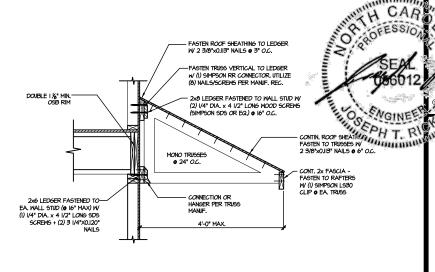
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

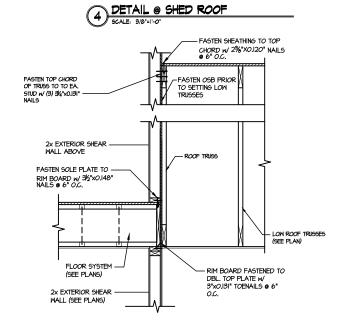


### TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARMALL ABOVE





TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

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.

CREEK RAMING DETAIL NEIL'S I AT NE FARM 181 LOT

4/1/25

STRUCTURAL ENGINEER

 $\Sigma$ 

**Y** 

1&K project number

rawn by:

REVISIONS:

126-2207

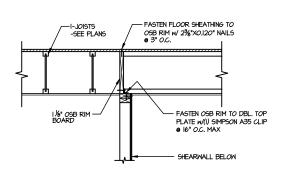
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JTF

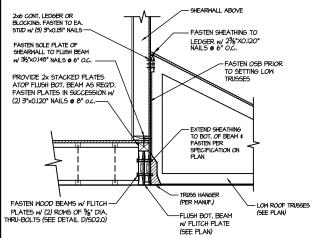
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SD2.1A

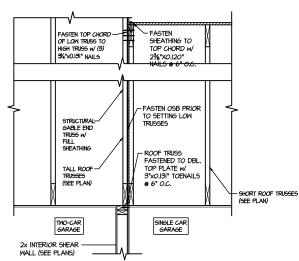
TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS



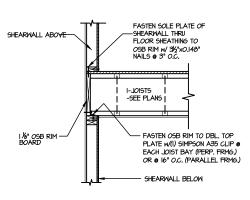
### SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW SCALE: 3/4'=1'-0' PAR



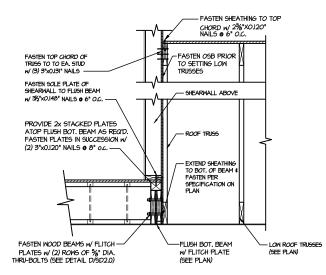
SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE



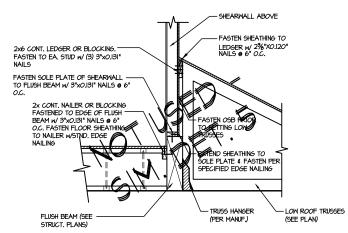
TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS



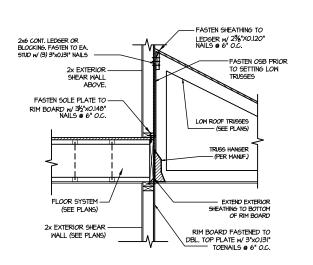
### SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW SCALE: 3/4'=1'-0'



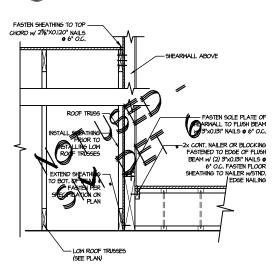
SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



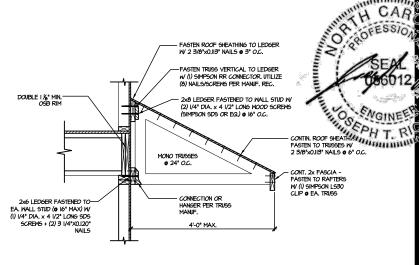
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



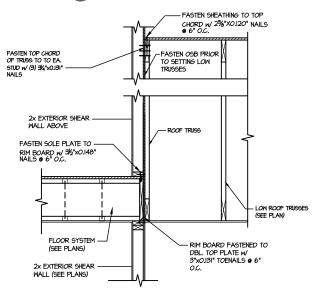
### TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



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



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

SCALE: 3/4':1'-0'

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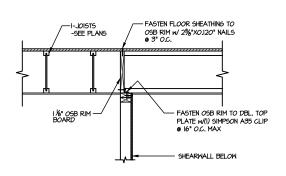
STRUCTURAL ENGINEER  $\mathbf{\Sigma}^{\mathbf{g}}$ Y 1&K project number

4/1/2

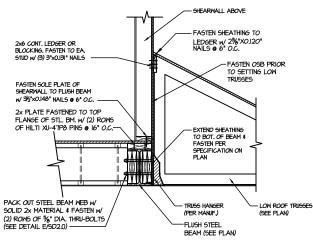
126-2207 JTF rawn by: ssue date: 03-31-2 REVISIONS: initial:

CREEK RAMING DETAIL NEIL'S I AT NE FARM LOT 181 - E

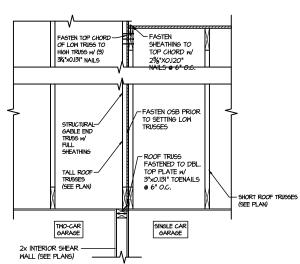
SD2.1B



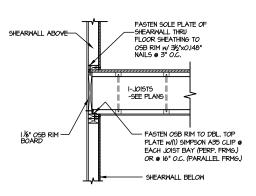
### SHEAR TRANSFER DETAIL @ INTERIOR SHEARMALL BELOW



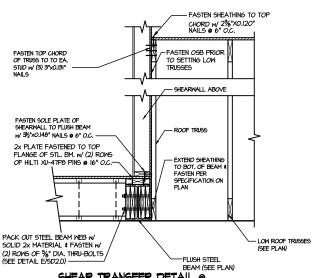




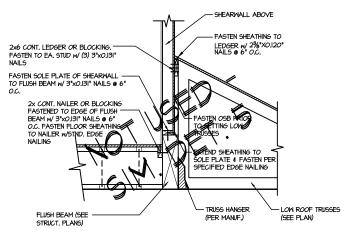
TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS



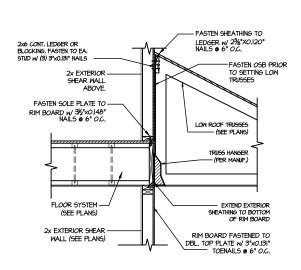
### SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW



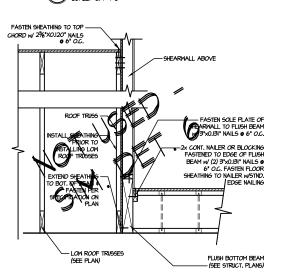
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



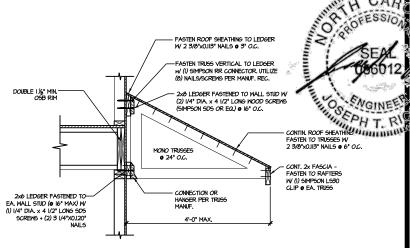
### SHEAR TRANSFER DETAIL @ 3 EXTERIOR SHEARWALL ABOVE

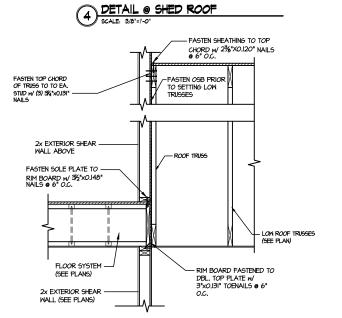


TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE SCALE SATISTY





TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

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ERN+KUI  $\Sigma$ Y 1&K project number 126-22076 JTF ssue date: 03-31-2 REVISIONS initial:

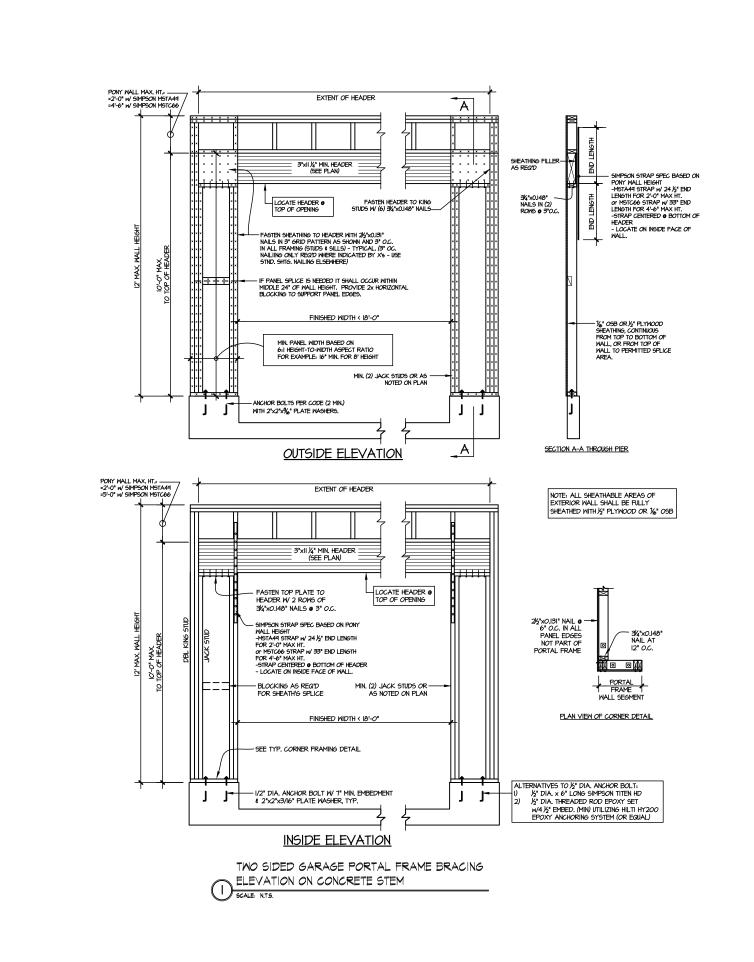
4/1/2

H CAR

CREEK RAMING DETAIL NEIL'S DRAYTON  $\mathbb{A}\mathbb{T}$ FARM 181 LOT

SD2.1C

BEINLE: 3/4"=1'-0"



MULHERN+KULP Y

4/1/25

TH CAR

SEPH T. RI

M&K project number: 126-22076

JTR drawn by: TEV ssue date: 03-31-25

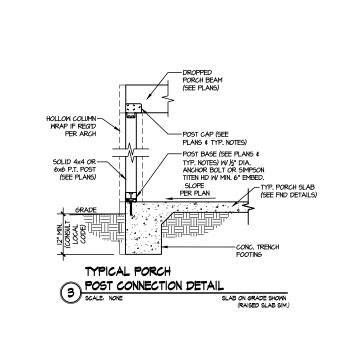
REVISIONS:

initial:

FRAMING DETAILS
FARM AT NEIL'S CREEK

FARM AT NEIL'S LOT 181 - DRAYTON 5

**SD2.2** 



MULHERNIVERING SENTENDER S

M&K project number: 1 26-22076

project mgr: JTR drawn by: TEW issue date: 03-31-25

REVISIONS:

date:

HOMES

FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 181 - DRAYTON 5

sheet:

SD3.0

SCALE: NTS

