CAMERON - RALE

RALEIGH - LOT 00.0090 THE FARM AT NEILL'S CREEK

(MODEL# 1998)

ELEVATION 2 - GL

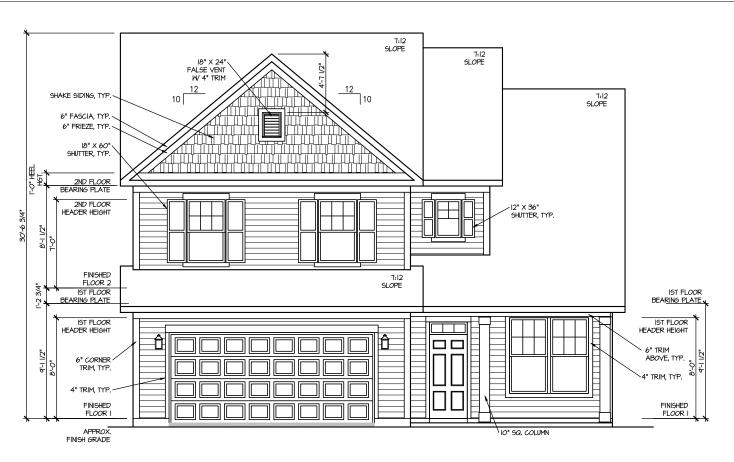
INDEX

HOMES

AREA CALCULATIONS ELEVATION 2	HEATED	COVERED / UNHEATED	UNCOVERED
FIRST FLOOR	913 SF		
GARAGE		475 SF	
FRONT PORCH - ELEVATION 2		99 SF	
SECOND FLOOR	1105 SF		
OPTIONS			
REAR EXTENSION AT FAMILY ROOM	80 SF		
TOTAL	2098 SF	574 SF	
			+
			+
	<u> </u>	·	

43 Winding Creek Drive

LOT	SPECIFIC	
1		THE FARM AT NEILL'S CREEK
		CAMERON REV. RALE-5 ELEVATION 2
2	ADDRESS	43 WINDING CREEK DR LILLINGTON, NC 27546
<u> </u>		



FRONT ELEVATION 2



REAR ELEVATION 2
SCALE: 1/8' = 1'-0'

FRONT & REAR ELEVATIONS HOUSE NAME: CAMERON DRAWING TITLE

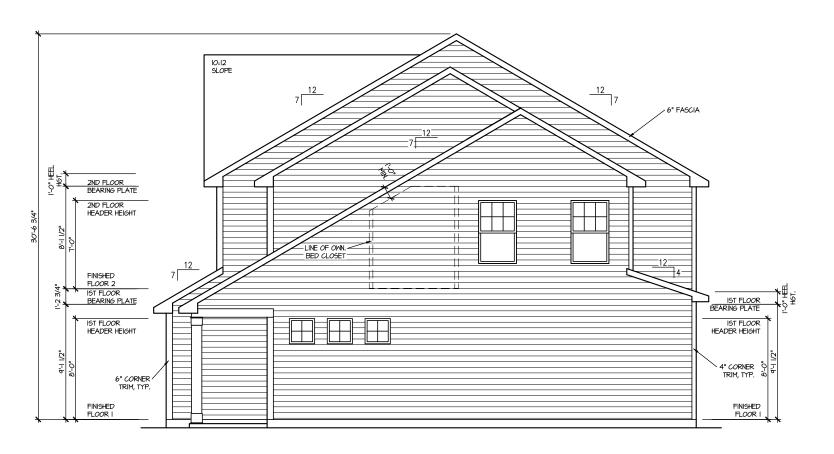
UPDATED DATE 08-28-2022

DRAWN BY:

DATE: 06/09/2023

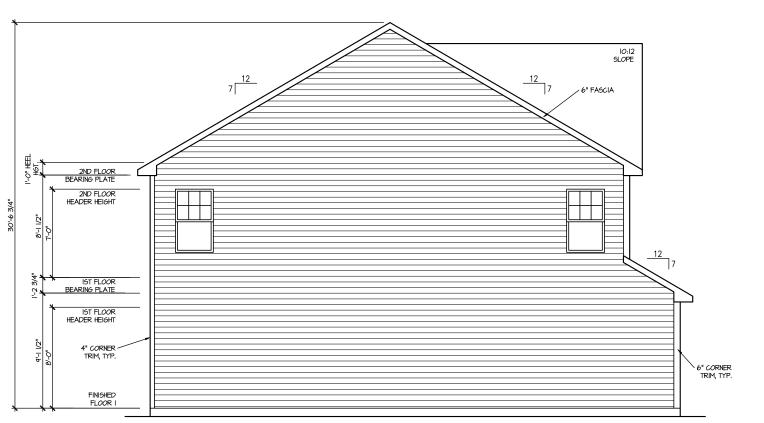
PLAN NO. 1998

SHEET No.



RIGHT ELEVATION 2

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



LEFT ELEVATION 2 SCALE: 1/8" = 1"-0"

DRAWN BY: DATE: 06/09/2023 PLAN NO. 1998

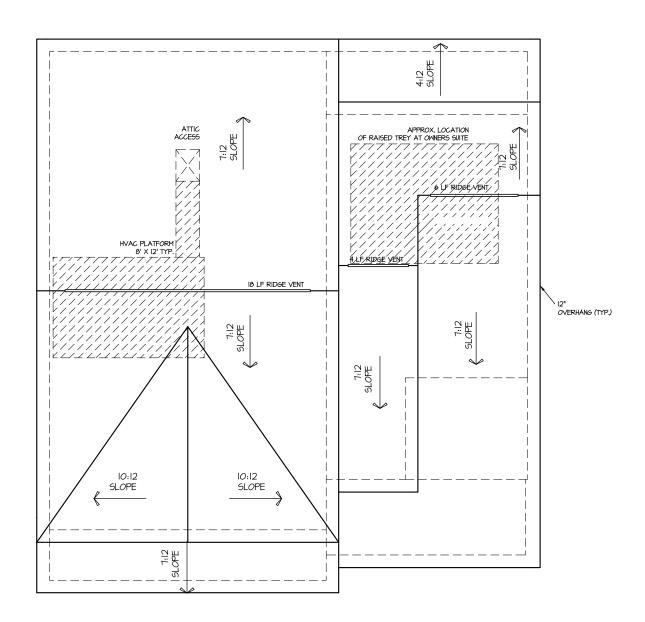
RIGHT & LEFT ELEVATIONS

HOUSE NAME: CAMERON DRAWING TITLE

SHEET No.

ROOF VENTILATION CALCULATIONS:
ROOF AREA = 1300 SQ. FT.
OVERALL REQUIRED VENTILATION:
1 TO 150 = 8-61 SQ. FT.
1 TO 300 = 4,33 SQ. FT.
50-80% IN TOP THIRD = 2,17-5,41 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.

LOMER VENTING: (BOTTOM 2/3 RDS)
45 LINEAR FEET OF SOFFIT X 5.1 SQ., IN. = 1.76 SQ., FT.
UPPER VENTING: (TOP 1/3 RD)
26 LINEAR FEET OF RIDGE X 16 SQ., IN = 3.5 SQ., FT.
3.5 SQ., FT. BETMEEN 50% - 80%
(I TO 300 ALLOWED)
TOTAL ROOF VENTILATION: 5.26 SQ., FT. > 4.33 SQ., FT. (RQID)



DRAWN BY:

PLAN NO. 1998

DATE: 06/09/2023

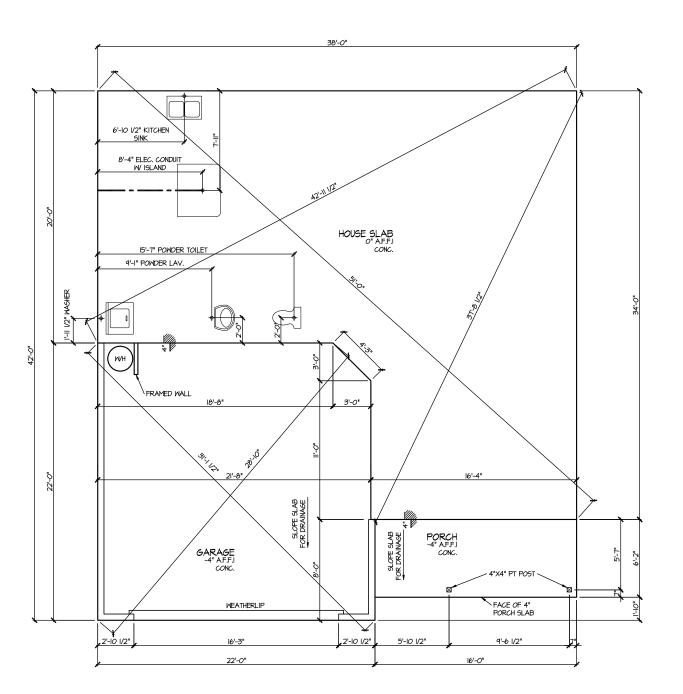
BR BROUP

HOUSE NAME:
CAMERON
DRAWING TITLE
ROOF PLAN

SHEET No.

ROOF PLAN ELEV. 2

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



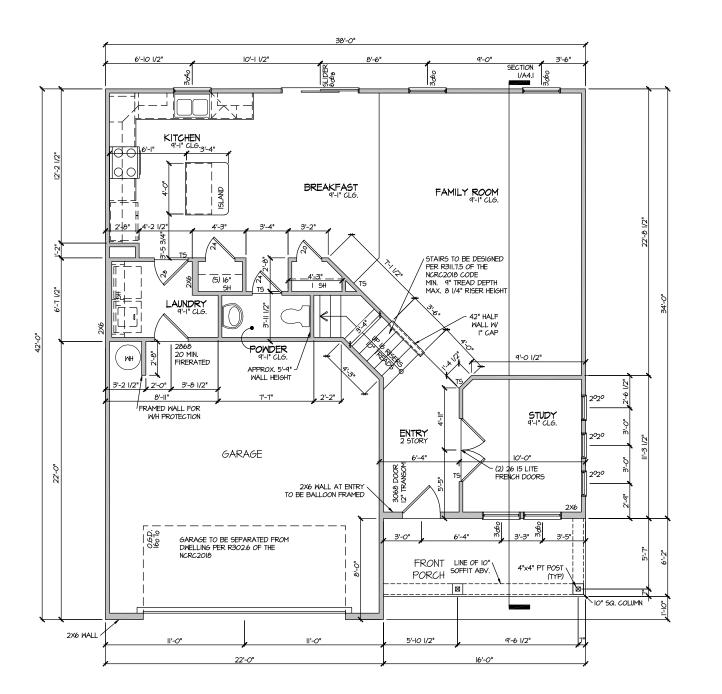
ELEVATION 2 SLAB PLAN SCALE: 1/0" = 1'-0"

I**LE**: Lot 00.0090.dwg DATE: 6/9/2023 12:01 PM

UPDATED DATE 08-28-2022

HOUSE NAME:
CAMERON
DRAWING TITLE
SLAB PLAN

SHEET No.



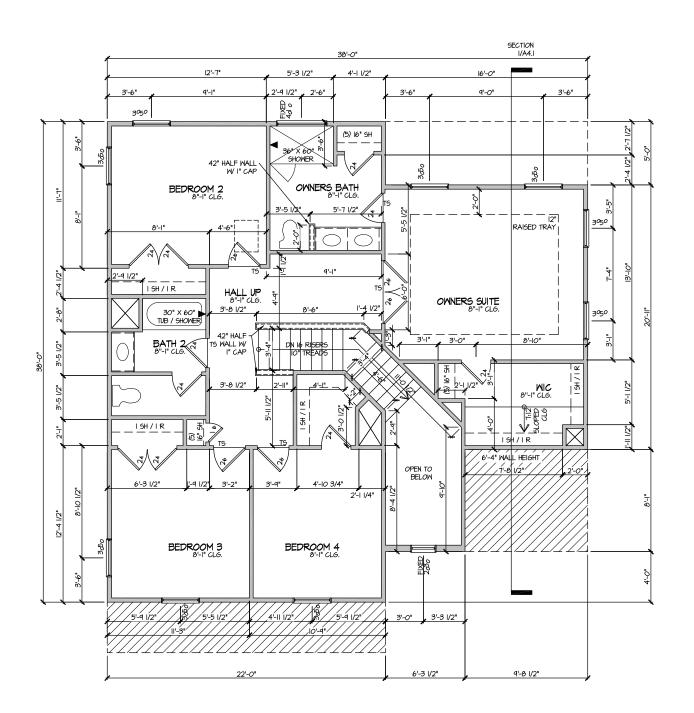
| MASTER PLAN INFORMATION | MASTER PLAN INFO

HOMES

HOUSE NAME:
CAMERON
DRAWING TITLE
FIRST FLOOR PLAN

SHEET No.

ELEVATION 2 FIRST FLOOR PLAN



MASTER PLAN INFORMATION

DATE:

09(00)(2002)

BOOK 100-17-19

S-RALE 10-17-19

UPDATED DATE 08-28-2022

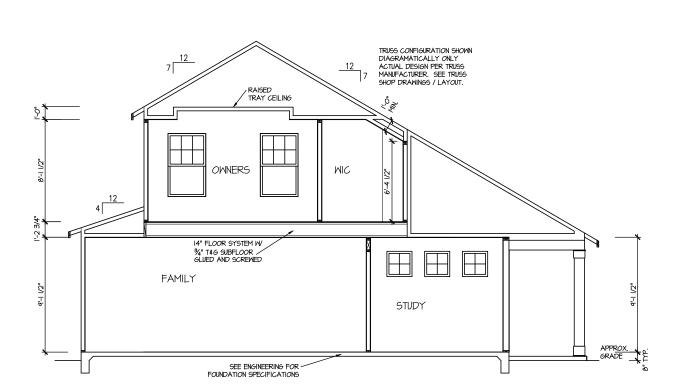
ELEVATION 2 SECOND FLOOR PLAN SCALE: 1/0"

00.0090.dwg DATE: 6/9/2023

SHEET No. A3.2

HOUSE NAME:
CAMERON
DRAWING TITLE

SECOND FLOOR PLAN

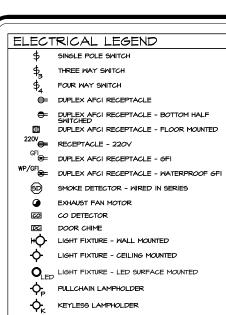


SECTION | SCALE: 1/8" = 1'-0"

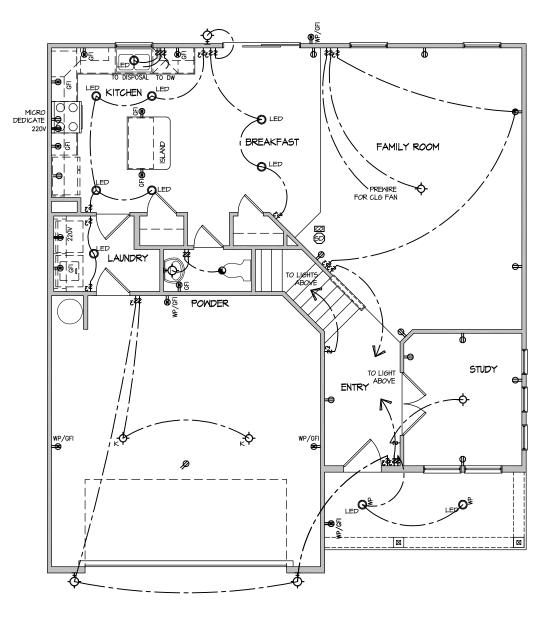
UPDATED DATE 08-28-2022 DRAWN BY: DATE: 06/09/2023 PLAN NO. 1998 HOUSE NAME:
CAMERON
DRAWING TITLE
BUILDING SECTION

SHEET No.

A4.I



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.



UPDATED DATE 08-28-2022 DRAWN BY: DATE: 06/09/2023

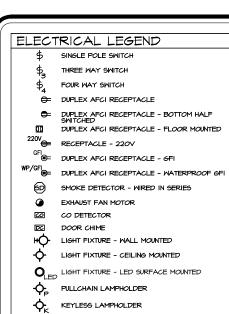
PLAN NO. 1998



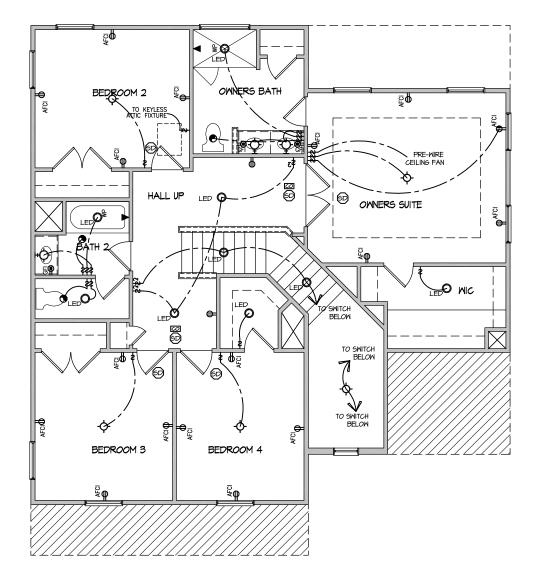
FIRST FLOOR ELECTRICAL HOUSE NAME: CAMERON DRAWING TITLE

SHEET No.

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.



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

UPDATED DATE 08-28-2022 DRAWN BY: DATE: 06/09/2023

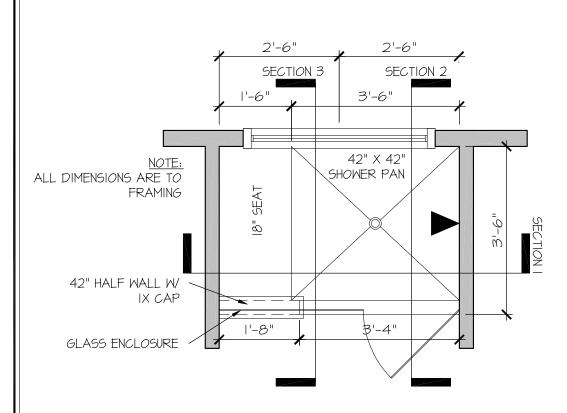
PLAN NO. 1998



SECOND FLOOR ELECTRICAL HOUSE NAME: CAMERON DRAWING TITLE

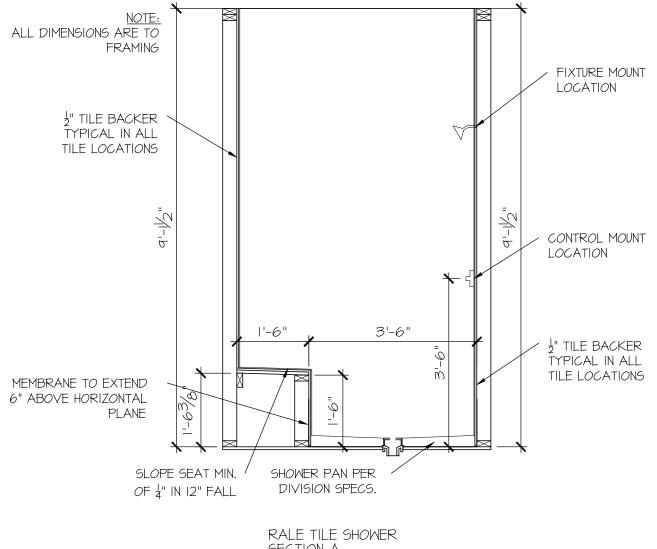
SHEET No.

E1.2



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

~ "

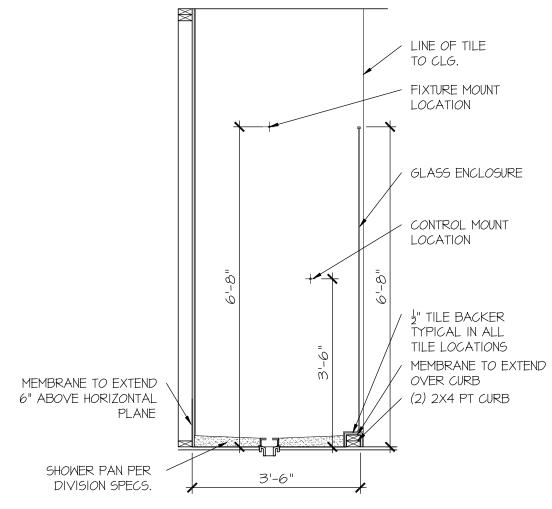


E ILE SHOWER DETAIL

OUSE NAME:

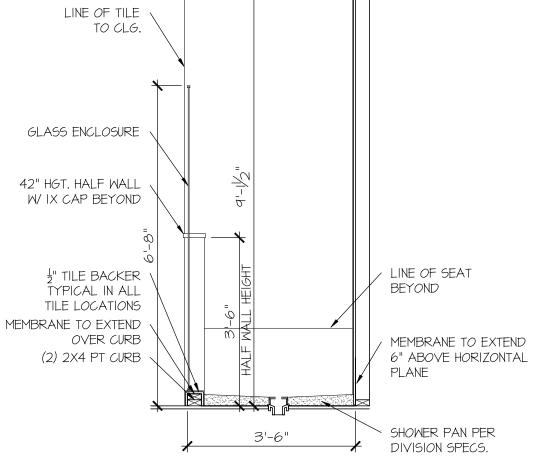
SHEET No.

P||.2



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





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

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE RESIDENTIAL CODE.
- FOOTING DESIGN 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:

 ■ 1/2" DIA. ANCHOR BOLTS ● 6'-0" O.C., 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 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 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 ENTRAINMEN
- 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
- 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.I.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA, MINIMUM @ 16" O.C.
- PROVIDE 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS. FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY
- BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- DESIGN LOADS:

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

LOAD DURATION FACTOR = 1.25

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

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 REQUIREMENT 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 THI 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 ½" OR 5 ¼" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2X6 & 2X6 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 I/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY 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 1 × 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 ROOF TRIES TO TOP PLATE W/ SIMPSON H2 ST CLIP (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 WICA & TPI'S BOSI 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
 - 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 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"o.c. @ PANEL EDGES & @ 12" O.C. FIELD. - w/ 2 🖁 × 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		
₩D-I	SIMPSON HTT4 HOLD-DOWN *		
HD-2	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.) (PRE-BENT MSTC66 ALT. WHEN SPECIFIED)		
un.a	SIMPSON STUDIA/IAP I HOLD-DOWN		

ALTERNATIVE TO SSTB24 ANCHOR BOLT SPECIFICATION: LITILIZE SIMPSON "SET" FROXY SYSTEM TO FASTEN 54

DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUE RECOMMENDATIONS DO NOT LOCATE ANCHORS WITHIN I 3/4" OF EDGE OF FOUNDATION

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)2×4
UP TO 8'-0"	(2)2x6	(3)2x6

NOTES:

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

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

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

- 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 36" x 0.113" NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 34" 16 GA STAPLES (1/6" CROWN) ● 3" O.C. AT EDGES & ● 6" O.C. IN FIELD. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

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

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR ADDITIONAL CAPACITY IS REQUIRED BY DESIGN. IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C MAX, STUD SPACING, U.N.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

INDICATES EXTENT OF INT. OSB SHEARWALL

INDICATES HOLDOWN BELOW

ADDITIONAL NOTES FOR TRUSS \$ I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED DIFFERENTIAL DEFLECTION CRITERIA BELOW UNLESS

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: /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)

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

CAR OFESSIO. ENGINE

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1&K project numbe 126-22076

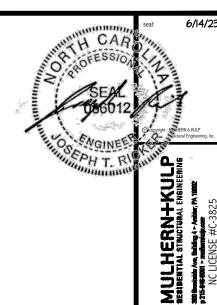
ITF rawn by: BGI ssue date: 06-14-2

initial:

EVISIONS:

CREEK TRUCTURAL NOTE NEIL'S \triangleleft RM 90

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¥ M&K project number:

126-22076

JTR drawn by: BGL issue date: 06-14-23

REVISIONS:

initial:

FARM AT NEIL'S CREEK FOUNDATION PLANS

LEGEND

ullet = \blacksquare INDICATES SHEAR WALL & EXTENT EXTENT OF OVERFRAMING

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

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES

\$ SCHEDULES

INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

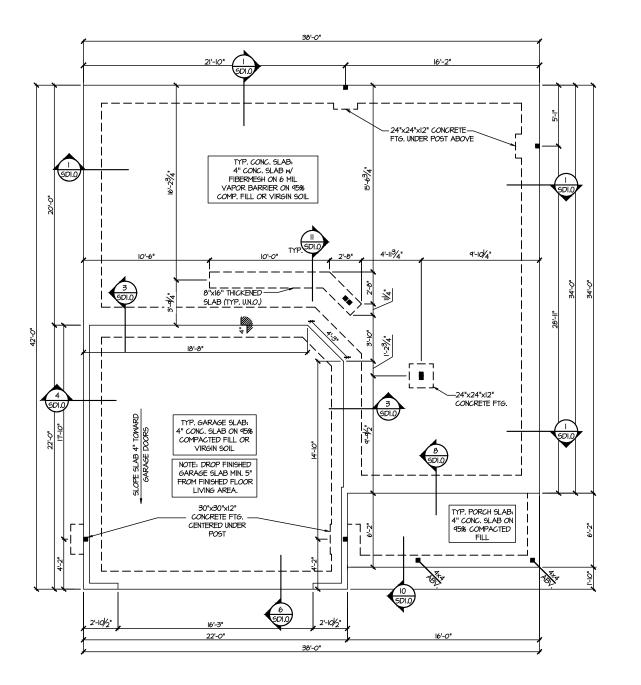
• IIIIII INTERIOR BEARING WALL

● □===□ BEARING WALL ABOVE

• --- BEAM / HEADER

LOT 90 - (RALEIGH,

S1



MONO SLAB FOUNDATION PLAN SCALE: 1/8"=1'-0"

STEEL OPTION

WI2x30 - F

WI2x30 - D

WI2xI4 - F

WI2xI4 - F

WOxIO - H

WI2xI4 - F

WI2xI4 - F

WI2xI4 - F

WI2xI4 - F

W12x19 - D

W8x10 - D

WI2xI4 - F

FLITCH OPTION

(4)2x12 + (3) %"xII¼" STEEL FLITCH PLATES - FB

(4)2xl2 + (3) %"xll4" STEEL FLITCH PLATES - D

(2)2xl2 + (l) 从"xll以" STEEI FLITCH PLATE - FB

(2)2xI2 + (I) ¼"xII¼" STEEL FLITCH PLATE - FB

(2)2xl2 + (I) 以"xl以" STEEL FLITCH PLATE - FB

(2)2x10 + (1) ¼"xq¼" STEEL FLITCH PLATE - H

(2)2xl2 + (l) 片"xll以" STEEL FLITCH PLATE - FB

3)2xi2 + (2) 为"xi以" STEEL FLITCH PLATES - FB

(2)2xi2 + (1) 片"xi以" STEEL FLITCH PLATE - FB

3)2xl2 + (2) ½"xll¼" STEEL FLITCH PLATES - FB

3)2xl2 + (2) 片"xll以" STEEL FLITCH PLATES - D

(2)2x10 + (1) 从"x4¼" STEEL FLITCH PLATE - D

(2)2xi2 + (I)从"xii以" STEEL FLITCH PLATE - FB

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENSINEERING



&K project number 126-22076

JTR BGI ssue date: 06-14-2

REVISIONS: initial:

PLANS CREEK

NEIL'S

AT

FARM LOT 90 - C

S2.0

AMERON

RAMING

OOR

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

ENGINEERED BEAM MATERIAL SCHEDULE

LSL OPTION

N/A

N/A

(2)13/4"×14" - F

(2)13/4"×14" - F

(I)13/4"x14" - F

(2)134"×914" - H

(3)1¾"x14" - H

(2)134"×14" - F

(3)13/4"x14" - F

(3)13/4"×14" - F

(3)13/4"×14" - F

(2)134"×944" - D

(2)13/4"×14" - F

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

PSL OPTION

7"xI8" - FT

7"x18" - D

3½"xl4" - F

3½"x14" - F

13/4"x14" - F

3K"x9¼" - H

3½"x14" - H

3½"xl4" - F

5¼"xl4" - F

3/5"xI4" - F

5¼"xl4" - F

5¼"x16" - D

3½"x9¼" - D

3½"x14" - F

PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" O.C.

- "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

BEAM NUMBER LVL OPTION

(4)13/4"x18" - FT

(2)13/4"×14" - 1

(2)|3/4"x|4" - F

(I)|3/4"×|4" - F

(2)13/4"×91/4" - H

(2)13/4"×14" - H

(2)13/4"×14" - 1

(3)13/4"x14" - F

(2)13/4"x14" - 1

(3)13/4"×14" - F

(2)134"×944" - D

(2)|3/4"x|4" - F

BEAM NOTATION: - "F" INDICATES FLUSH BEAM

- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM

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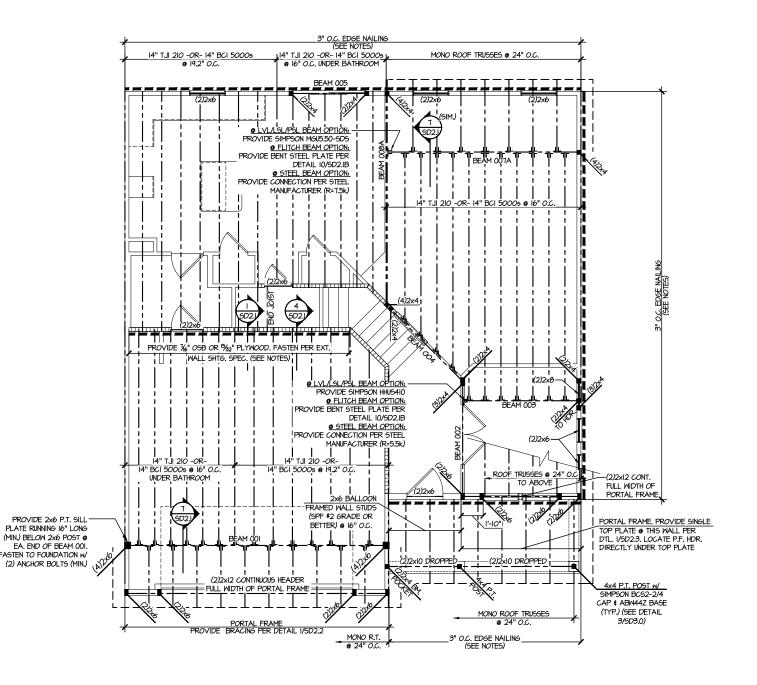
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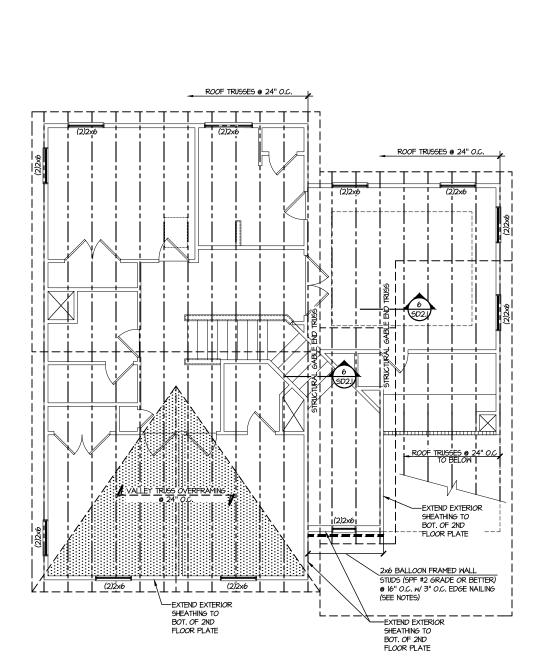
OII

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



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

> REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES





issue date: 06-14-23 REVISIONS:

initial:

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M&K project number: 126-22076

drawn by:

6/14/23

"H CAR

FARM AT NEIL'S CREEK
LOT 90 - CAMERON 2
RALEIGH, NC

LEGEND

ullet = \blacksquare INDICATES SHEAR WALL & EXTENT

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

REFER TO SO.O FOR

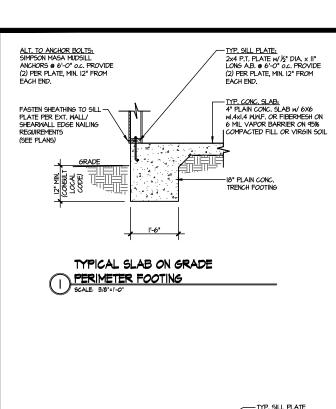
\$ SCHEDULES

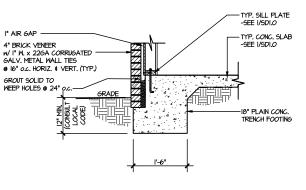
• IIIIII INTERIOR BEARING WALL ● □===□ BEARING WALL ABOVE • --- BEAM / HEADER

EXTENT OF OVERFRAMING

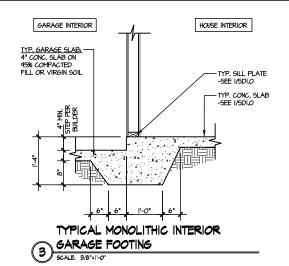
INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

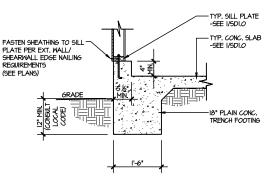
TYPICAL STRUCTURAL NOTES **S3.0**



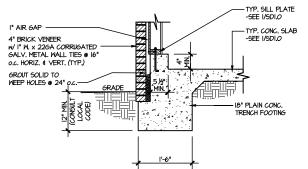


TYPICAL SLAB ON GRADE PERIMETER FOOTING w/ BRICK VENEER

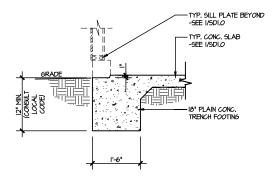




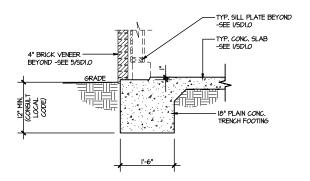
TYPICAL SLAB ON GRADE GARAGE 4 PERIMETER FOOTING



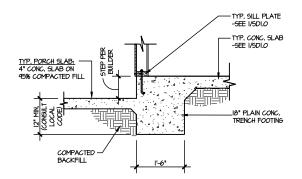




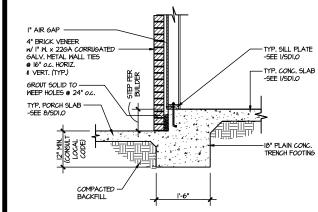




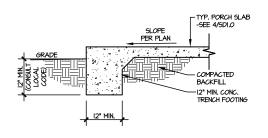




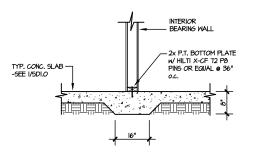
TYPICAL SLAB ON GRADE PERIMETER (8) FOOTING @ PORCH/PATIO



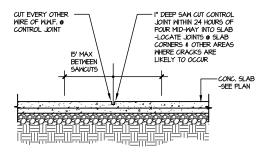




TYPICAL FOOTING @ PORCH SLAB



TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL



A SCALE: 3/8"=1"-0" LOCATE @ 15'-O" o.c. MAX OR CORNERS WHERE CRACKS LIKELY TO DEVELOP

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 WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

SPECIFIC AND ARE ONLY REQUIRED

OUNDATION DETAILS ATFARM 90 LOT

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NEIL'S

6/14/2

STRUCTURAL ENGINEER

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M&K project number 126-22076

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REVISIONS:

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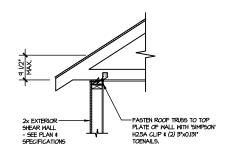
ssue date: 06-14-2

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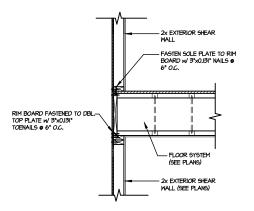
SEPH T. R



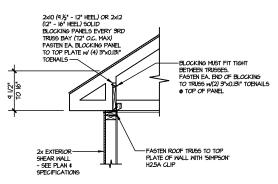
TYPICAL SHEAR

TRANSFER DETAIL @ ROOF

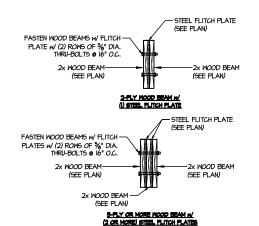
SCALE: 3/6"=1"-0" HEEL HEIGHT LESS THAN HEEL HEIGHT LESS THAN 9½" NO BLOCKING REQ'D



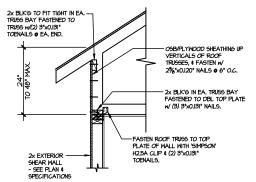
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1"-0"



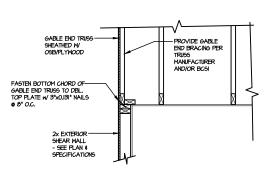
TYPICAL SHEAR TRANSFER DETAIL @ ROOF SCALE: 3/8"=1"-0" HEEL HEIGHT BETWEEN 9 1/2 HEEL HEIGHT BETWEEN 9½" - 16" BLOCKING REQ'D



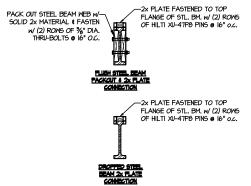
TYPICAL FLITCH BEAM CONNECTION DETAIL SCALE 544-1-0*



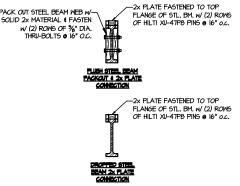
TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS



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



TYPICAL STEEL BEAM CONNECTION DETAIL SCALE 844-1-67



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

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

FRAMING DETAILS
FARM AT NEIL'S CI FARM / LOT 90 - CA RALEIGH, NA **SD2.0**

CREEK

6/14/23

MULHERNHKULP RESIDENTIAL STRUCTURAL ENGINEERING

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M&K project number: 126-22076

frawn by:

REVISIONS:

JTR

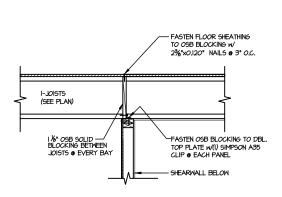
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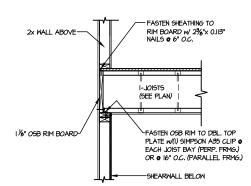
ssue date: 06-14-23

H CAR

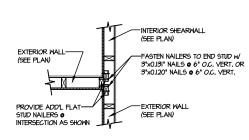
SEPHT. RI



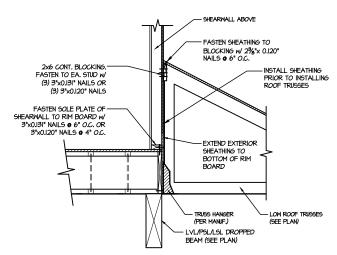




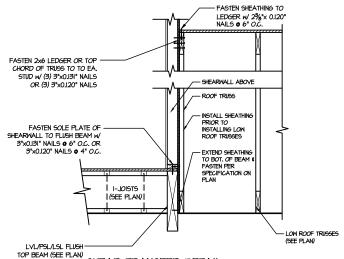
SHEAR TRANSFER DETAIL @ INT. SHEARWALL BELOW



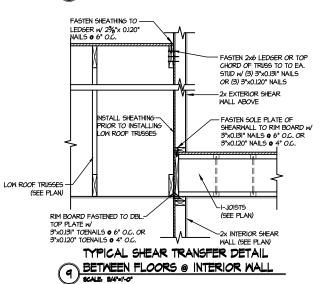
8 INTERSECTING INT. SHEARWALL

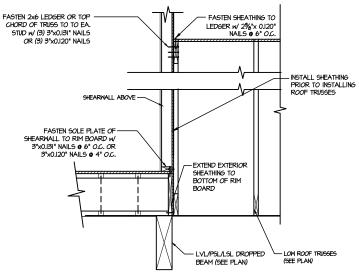


SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

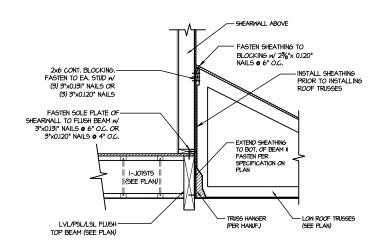


SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE





SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



EXTERIOR WALL ABOVE OVER GARAGE

SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE

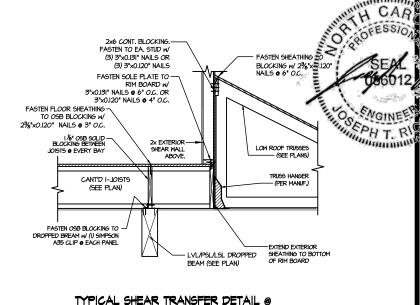
FASTEN SHEATHING TO

TOP CHORD w/ 23/6"x0.120" NAILS @ 6" O.C.



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.



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126-22076 JTF BGI ssue date: 06-14-2 REVISIONS initial:

STRUCTURAL ENGINEER

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6/14/2

CREEK NEIL'S RAMING D \triangleright FARM 90 LOT

SHEAR TRANSFER DETAIL @

FASTENED TOP CHORD OF TRUGG TO EA. TRUGG VERTICAL W/

(3) 3"x0.131" NAILS OR (3) 3"x0.120" NAILS

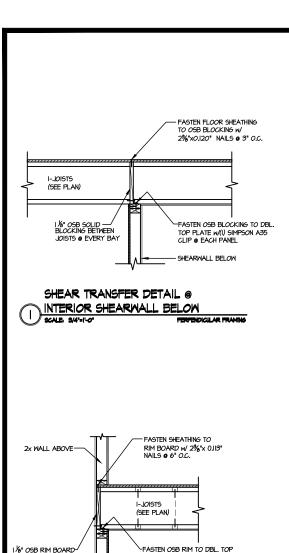
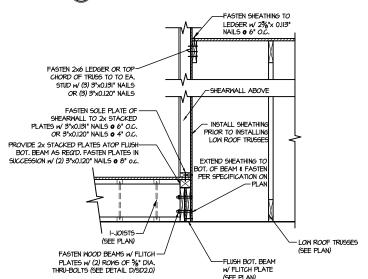


PLATE w/(I) SIMPSON A35 CLIP @ EACH JOIST BAY (PERP. FRMG.

OR @ 16" O.C. (PARALLEL FRMG.)



2x6 CONT. BLOCKING.

(3) 3"x0.120" NAILS

DROPPED FLITCH

BEAM (SEE PLAN)

SHEAR TRANSFER DETAIL @

EXTERIOR SHEARWALL ABOVE

FASTEN TO EA. STUD W (3) 3"x0.131" NAILS OF

FASTEN SOLE PLATE OF

SHEARWALL TO RIM BOARD W

3"x0.131" NAILS @ 6" O.C. OR

3"x0.120" NAILS @ 4" O.C.

- SHEARWALL ABOVE

EXTEND EXTERIOR

SHEATHING TO BOTTOM OF RIM

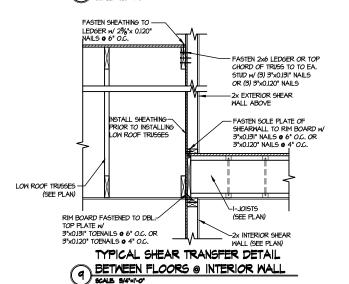
FASTEN WOOD BEAMS W/ FLITCH

PLATES w/ (2) ROMS OF %" DIA. THRU-BOLTS (SEE DETAIL D/SD2.0)

BLOCKING W/ 23/6"x 0.120" NAILS @ 6" O.C.

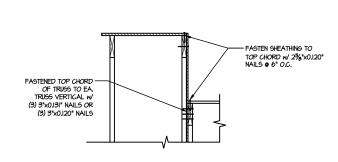
-INSTALL SHEATHING PRIOR TO INSTALLING ROOF TRUSSES

SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

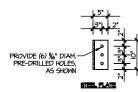


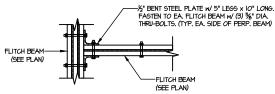
FASTEN SHEATHING TO LEDGER w/ 2%"x 0.113" NAILS @ 6" O.C. FASTEN 2x6 LEDGER OR TOP CHORD OF TRUSS TO TO EA. STUD w/ (3) 3"x0.131" NAILS 2x EXTERIOR SHEAR WALL ABOVE FASTEN SOLE PLATE OF-SHEARWALL TO RIM BOARD W INSTALL SHEATHIN 3"x0 131" NAII S @ 6" 06 0R PRIOR TO INSTALLING 3"x0.120" NAILS @ 4" O.C. LOW ROOF TRUSSE LOW ROOF TRUSSES (SEE PLAN) I- MISTS-(SEE PLAN) FASTEN WOOD BEAMS w/ FLITCH FLITCH BEAM PLATES w/ (2) ROMS OF %" DIA. THRU-BOLTS (SEE DETAIL D/SD2.0) (SEE PLAN

> SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE





TYPICAL FLITCH BEAM TO FLITCH BEAM CONNECTION DETAIL

TYPICAL SHEAR TRANSFER DETAIL @ 3 EXTERIOR WALL ABOVE OVER GARAGE

2x EXTERIOR SHEAR WALL ABOVE.

2x6 CONT. BLOCKING.

FASTEN TO EA. STUD W/ (3) 3"x0.131" NAILS OR

FASTEN SOLE PLATE TO -3"x0.131" NAIL5 • 6" O.C. OR 3"x0.120" NAIL5 • 4" O.C.

FASTEN FLOOR SHEATHING -TO OSB BLOCKING W/

I 1/8" OSB SOLID -BLOCKING BETWEEN

FASTEN OSB BLOCKING TO

BEAM (SEE PLAN)

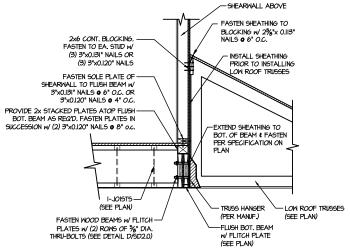
DROPPED BREAM w/ (I) SIMPSON A35 CLIP • EACH PANEL

CANT'D I-JOISTS

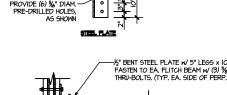
JOISTS @ EVERY BAY

2%"x0.120" NAILS @ 3" O.C.

(3) 3"x0.120" NAILS



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



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—INTERI*O*R SHEARWALL (SEE PLAN) EXTERIOR WALL (SEE PLAN) -Fasten Nailers to end stud W 3"x0.i3i" Nails @ 6" O.C. Vert. Or 3"x0.120" NAILS @ 6" O.C. VERT. PROVIDE ADD'L FLAT--EXTERIOR WALL (SEE PLAN) SHEAR TRANSFER DETAIL @ SCALE SA'=1'-0' SHEARWALL

SHEAR TRANSFER DETAIL @ INT.

SHEARWALL BELOW

CREEK

NEIL'S

 \triangleright

RM

FA LOT

90

RAMING DETAIL

6/14/2

ERN+KUI

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1&K project number

rawn by:

REVISIONS:

126-22076

ssue date: 06-14-2

JTF

BGI

initial:

CAR PROFESSION

ENGINE

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BLOCKING w/ 23/6"x 0.120" NAILS @ 6" O.C.

LOW ROOF TRUSSES

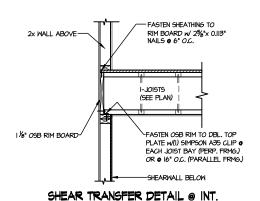
- (PER MANUF.)

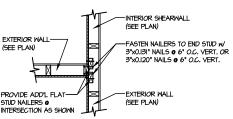
-EXTEND EXTERIOR SHEATHING TO BOTTOM OF RIM BOARD

FASTEN WOOD BEAMS W/ FLITCH

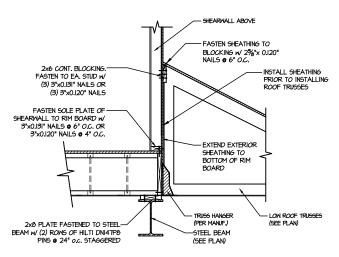
PLATES w/ (2) ROMS OF %" DIA. THRU-BOLTS (SEE DETAIL D/SD2.0)

SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW

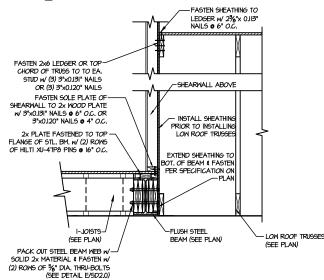




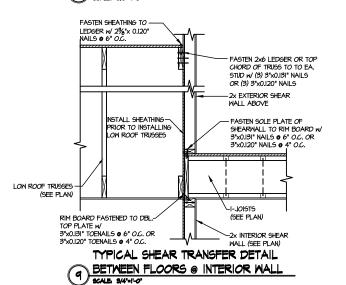
SHEAR TRANSFER DETAIL @ (3) INTERSECTING INT. SHEARWALL SCALE 8/4"-11-0" SHEARWALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

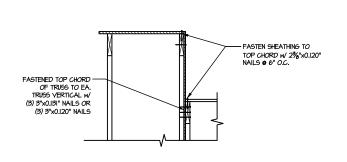


SHEAR TRANSFER DETAIL @ EXTERIOR SHEARMALL ABOVE

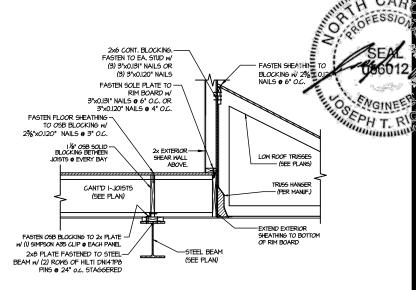


-FASTEN SHEATHING TO LEDGER w/ 23/6"x 0.120" NAILS @ 6" O.C. FASTEN 2x6 LEDGER OR TOP CHORD OF TRUSS TO TO EA. STUD w/ (3) 3"x0.131" NAILS OR (3) 3"x0.120" NAILS 2x EXTERIOR SHEAR-WALL ABOVE FASTEN SOLE PLATE OF-SHEARWALL TO RIM BOARD W INSTALL SHEATHING 3"x0.131" NAILS @ 6" O.C. OR 3"x0.120" NAILS @ 4" O.C. PRIOR TO INSTALLING LOW ROOF TRUSSES (SEE PLAN) I-JOISTS-(SEE PLAN) 2x8 PLATE FASTENED TO STEEL BEAM w/ (2) ROWS OF HILTI DNI4TP8 PINS @ 24" o.c. STAGGERED -STEEL BEAM (SEE PLAN)

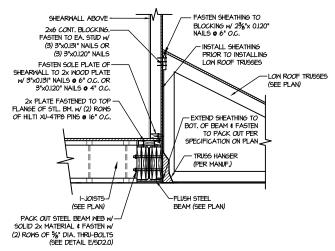
> SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE OVER GARAGE



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

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

PROVIDE ADD'L FLAT—
STUD NAILERS @
INTERSECTION AS SHOWN

SHEARWALL BELOW

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

SD2.1C

CREEK

NEIL'S

AT

FARM

90

LOT

S

ETAIL

RAMING D

6/14/2

STRUCTURAL ENGINEER

 $\mathbf{\Sigma}^{\mathbf{g}}$

Y

1&K project number

REVISIONS

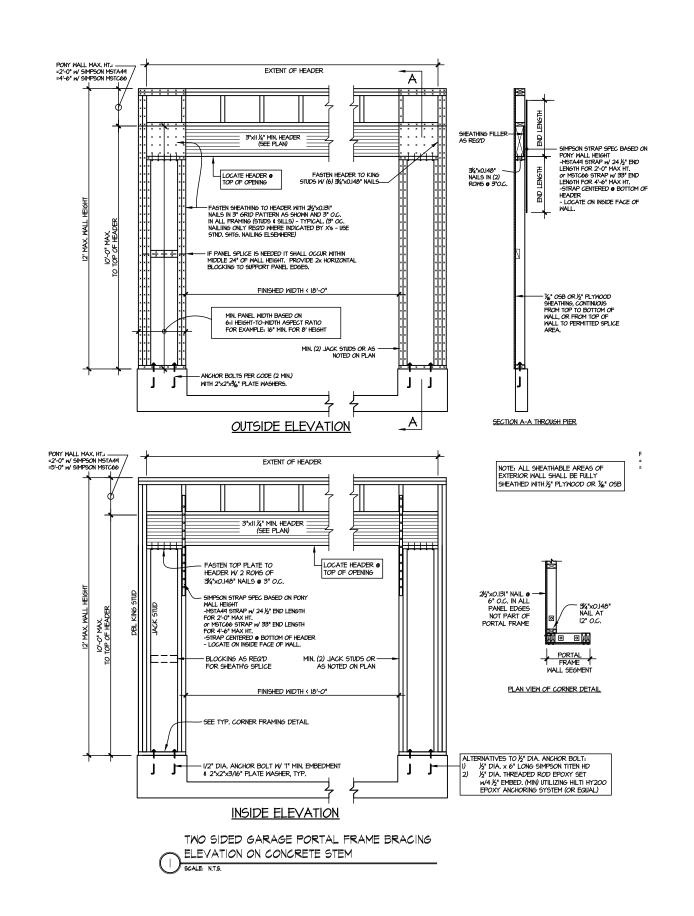
126-2207

ssue date: 06-14-2

JTF

initial:

H CAR



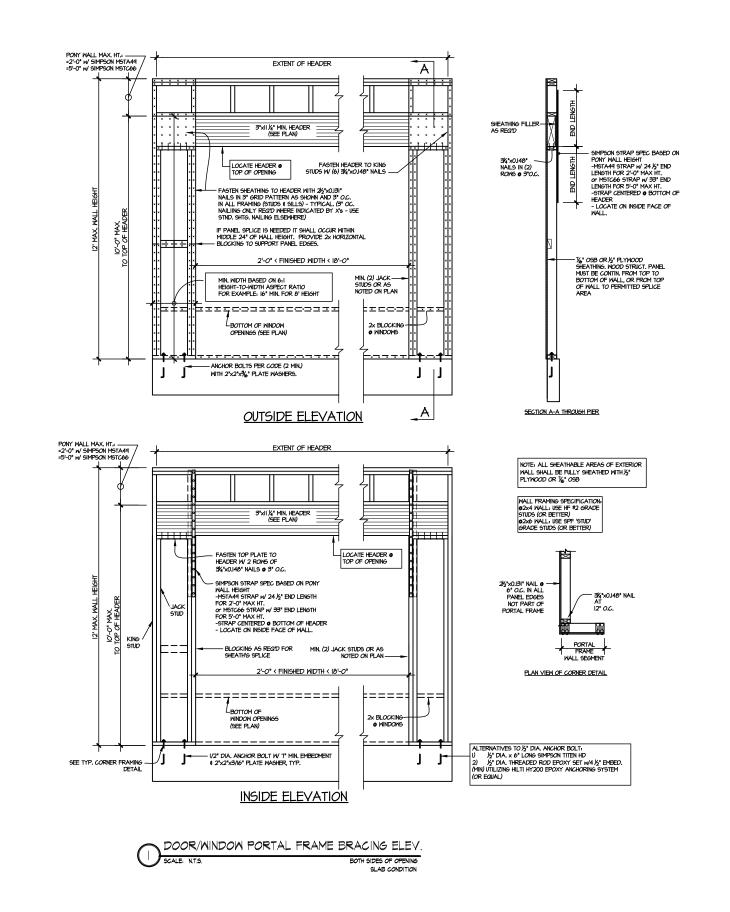
SEPH T. RI MULHERN+KULP Y M&K project number: 126-22076 JTR BGL drawn by: ssue date: 06-14-23 REVISIONS: initial:

6/14/23

TH CAR

CREEK FRAMING DETAILS FARM AT NEIL'S C LOT 90 - CAMERON 2 RALEIGH, NC

SD2.2



SEPH T. RI MULHERNHKULP RESIDENTIAL STRUCTURAL ENGINEERING ¥ M&K project number: 126-22076 JTR BGL drawn by:

6/14/23

CAR

ssue date: 06-14-23

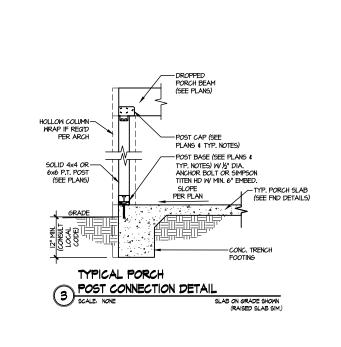
REVISIONS:

initial:

CREEK FARM AT NEIL'S LOT 90 - CAMERON 2

FRAMING DETAILS

SD2.3



6/14/23 H CAR OSEPH T. RI MULHERN+KULP



M&K project number: 126-22076

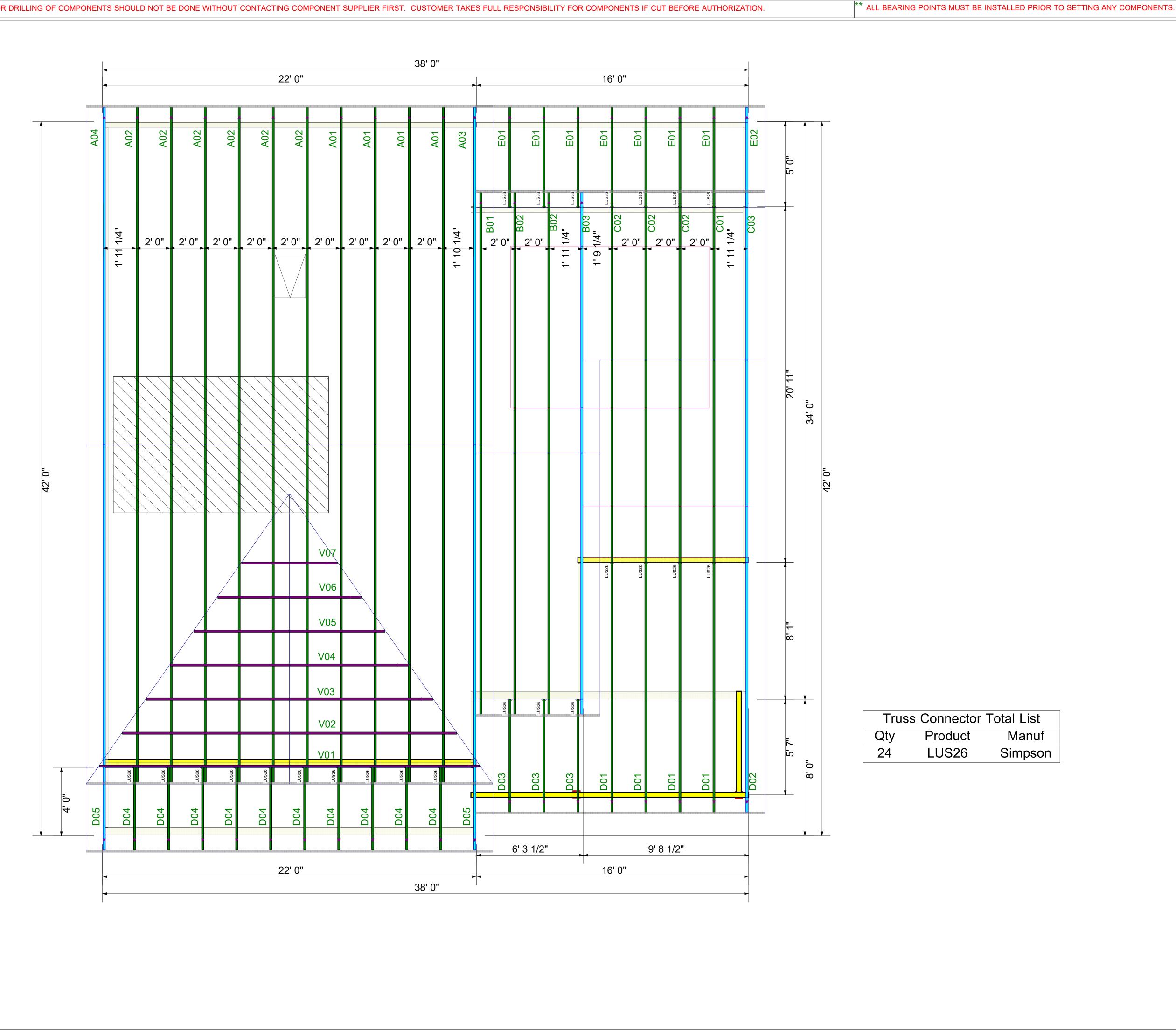
JTR BGL drawn by: BGL issue date: O6-14-23

REVISIONS:



FRAMING DETAILS
FARM AT NEIL'S CREEK
LOT 90 - CAMERON 2

SD3.0



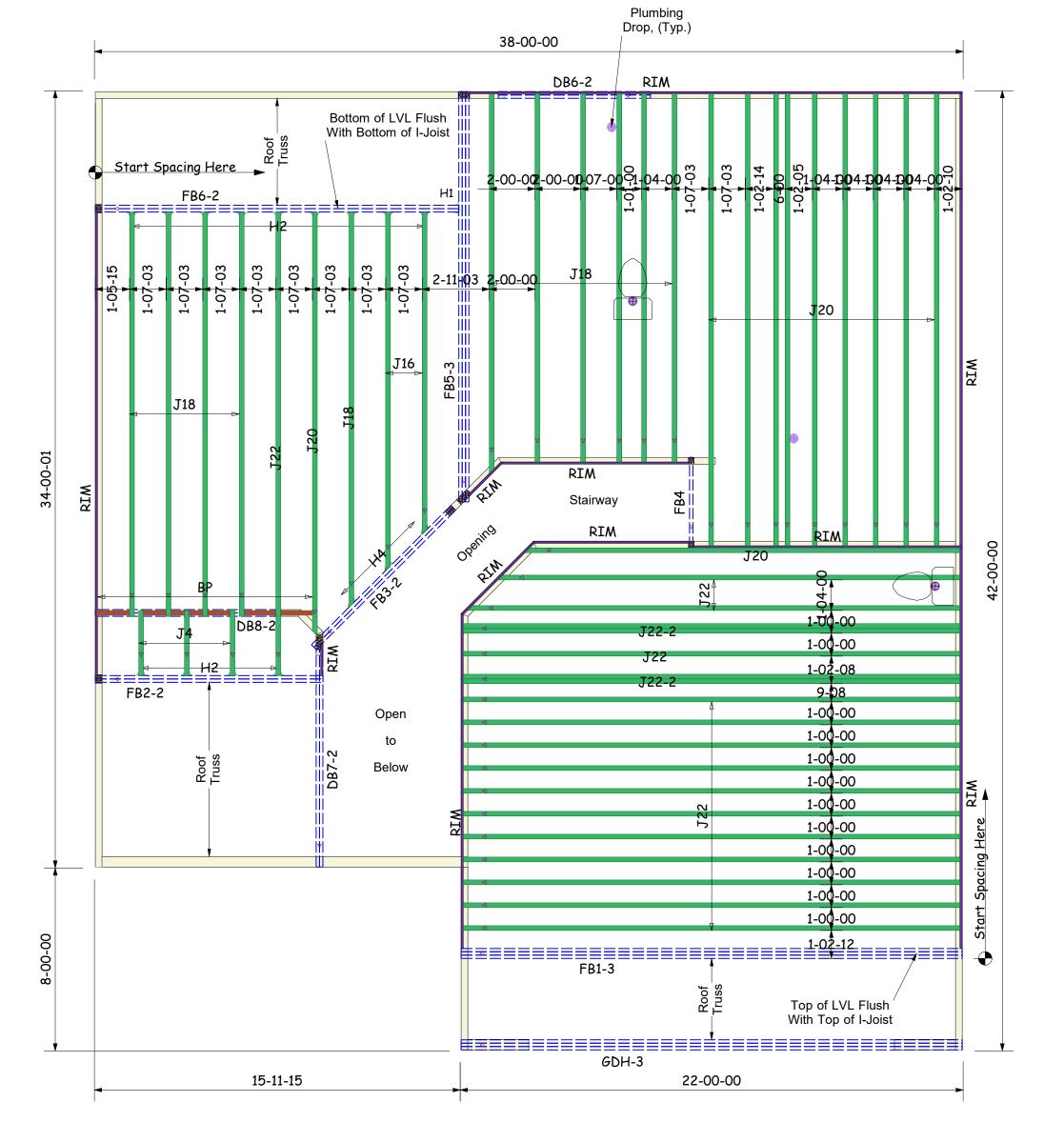
Revisions 00/00/00 Name 00/00/00 Name 00/00/00 Name 00/00/00 Name

00/00/00 Name

HOMES DRB

6/14/2023 Designer: ND Project Number: **22090049** Sheet Number:

Truss Drawing Left End Indicator

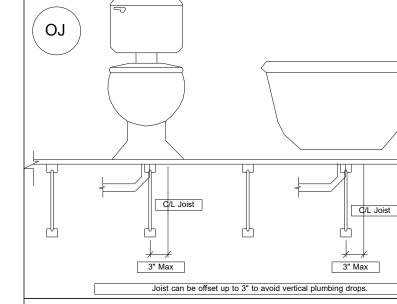


		Products		
PlotID Length		Product	Plies	Net Qty
J22	22' 0"	14" PJI-40	1	15
J22-2	22' 0"	14" PJI-40	2	4
J20	20' 0"	14" PJI-40	1	11
J18	18' 0"	14" PJI-40	1	11
J16	16' 0"	14" PJI-40	1	2
J4	4' 0"	14" PJI-40	1	3
DB7-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 \times 9-1/4	2	2
DB8-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 \times 9-1/4	2	2
DB6-2	8' 0"	2.0 RigidLam DF LVL 1-3/4 \times 9-1/4	2	2
GDH-3	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 11-7/8	3	3
FB5-3	18' 0"	2.0 RigidLam DF LVL 1-3/4 \times 14	3	3
FB2-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 \times 14	2	2
FB3-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 \times 14	2	2
FB4	4' 0"	2.0 RigidLam DF LVL 1-3/4 \times 14	1	1
FB6-2	16' 0"	2.0 RigidLam DF LVL 1-3/4 \times 18	2	2
FB1-3	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 24	3	3
RIM	12' 0"	1 1/8" × 14" APA Rim Board	1	11
BP	2' 0"	14" PJI-40	1	4

Accessories				
PlotID	Length	Product	Plies	Net Qty
		3/4" 4x8 OSB	1	35

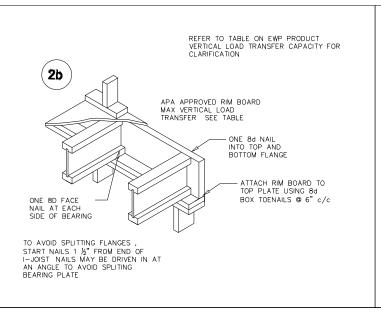
Connector Summary					
PlotID	Qty	Manuf	Product	Backer Blocks	Web Stiff
H1	1	Simpson	HGUS412	No	No
H2	13	Simpson	IUS2.56/14	No	No
H4	3		SUL2.56/14	No	No

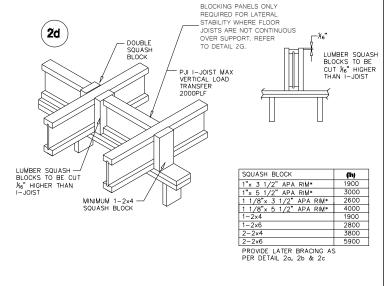
2ND FLOOR LAYOUT

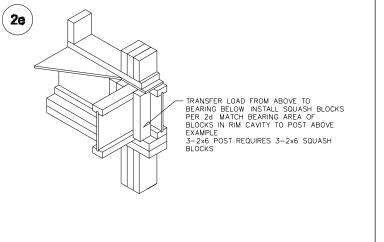


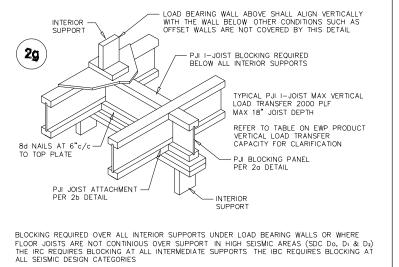
ATTACH PJI I-JOISTS TO PLATE AT ALL SUPPORTS PER DETAIL 2B, ONE 8D FACE NAIL AT EACH SIDE OF BEARING

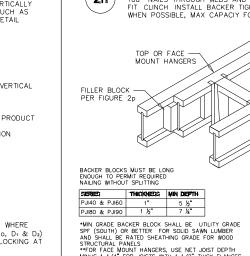
PLUMBING DROPS NOTED ARE IN APPROXIMATE LOCATIONS PER PLAN. BUILDER MUST VERY LOCATIONS BEFORE SETTING JOISTS.











BEFORE INSTALLING A BACKER BLOCK TO A DOUBLE I-JOIST, DRIVE 3 ADDITIONAL 10d NAILS THROUGH WEBS AND FILLER BLOCK WHERE THE BACKER BLOCK WILL FIT CLINCH INSTALL BACKER TIGHT TO TOP FLANGE USE 12 10d NAILS, CLINCH WHEN POSSIBLE, MAX CAPACIY FOR HANGER FOR THIS DETAIL IS 1280 LBS DOUBLE PJI I-JOIST HEADER FOR HANGER CAPACITY SEE HANGER MAUNFACTURES RECOMMENDATIONS VERIFY DOUBLE PJI I-JOIST CAPACITY TO SUPPORT CONCENTRATED LOADS SB = Squash Blocks HANGER MUST SUPPORT TOP FLANGE OF JOIST, FILLER BLOCK REQUIRED IF HANGER IS NOT FULL DEPTH OF JOST *MIN GRADE BACKER BLOCK SHALL BE UTILITY GRADE SPF (SOUTH) OR BETTER FOR SOLID SAWN LUMBER AND SHALL BE RATED SHATHING GRADE FOR WOOD STRUCTURAL PANELS **FOR FACE MOUNT HANGERS, USE NET JOIST DEPTH MINUS 1 1/4" FOR JOISTS WITH 1 1/2" THICK FLANGES

LABEL LEGEND

BBO = Beam by Others **PBO** = Post by Others GBO = Girder by Others J = I-Joist **FB** = Flush Beam

DB = Dropped Beam **RB** = Roof Beam **BP** = Blocking Panels

Sheet Number:

** REFER TO INSTALLATION GUIDE FOR PLY TO PLY CONNECTIONS. ** ALL POINT LOADS FROM ABOVE MUST BE TRANSFERRED TO BEARING FROM UNDER SIDE OF SHEATHING.

Revisions

Name

Name

Name

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ARM AT NEILL CAMERON 2 HOME JOIST DRB OT 90 FA FLOOR

Scale: 1/4" = 1'-0" Date: **6/14/23** Designer: **DH** Project #: **22090049**