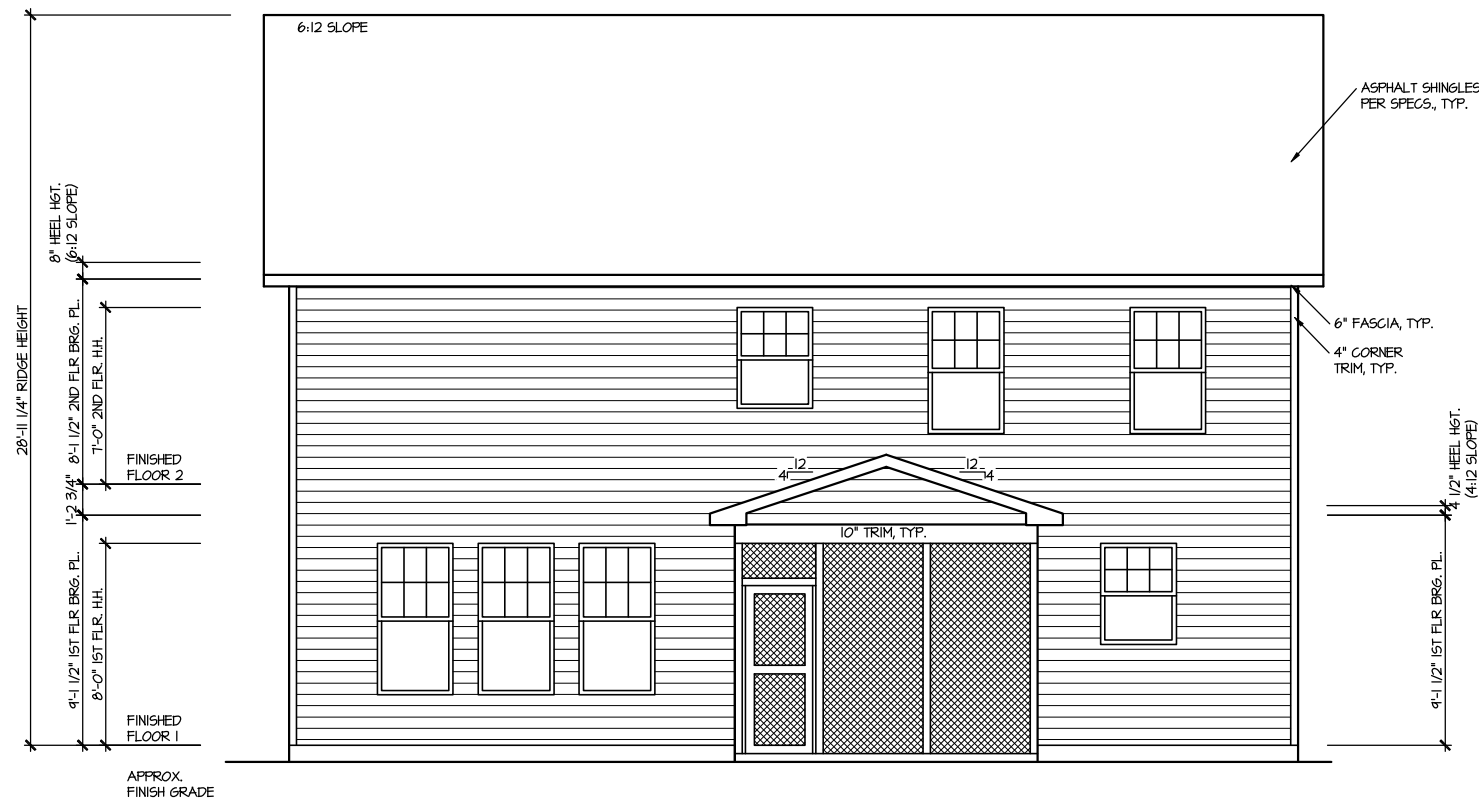


FRONT ELEVATION 2

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



REAR ELEVATION 2

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

MASTER PLAN INFORMATION	
REVISION	DATE
2 - RALE	03-06-19
	09-21-2022

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695

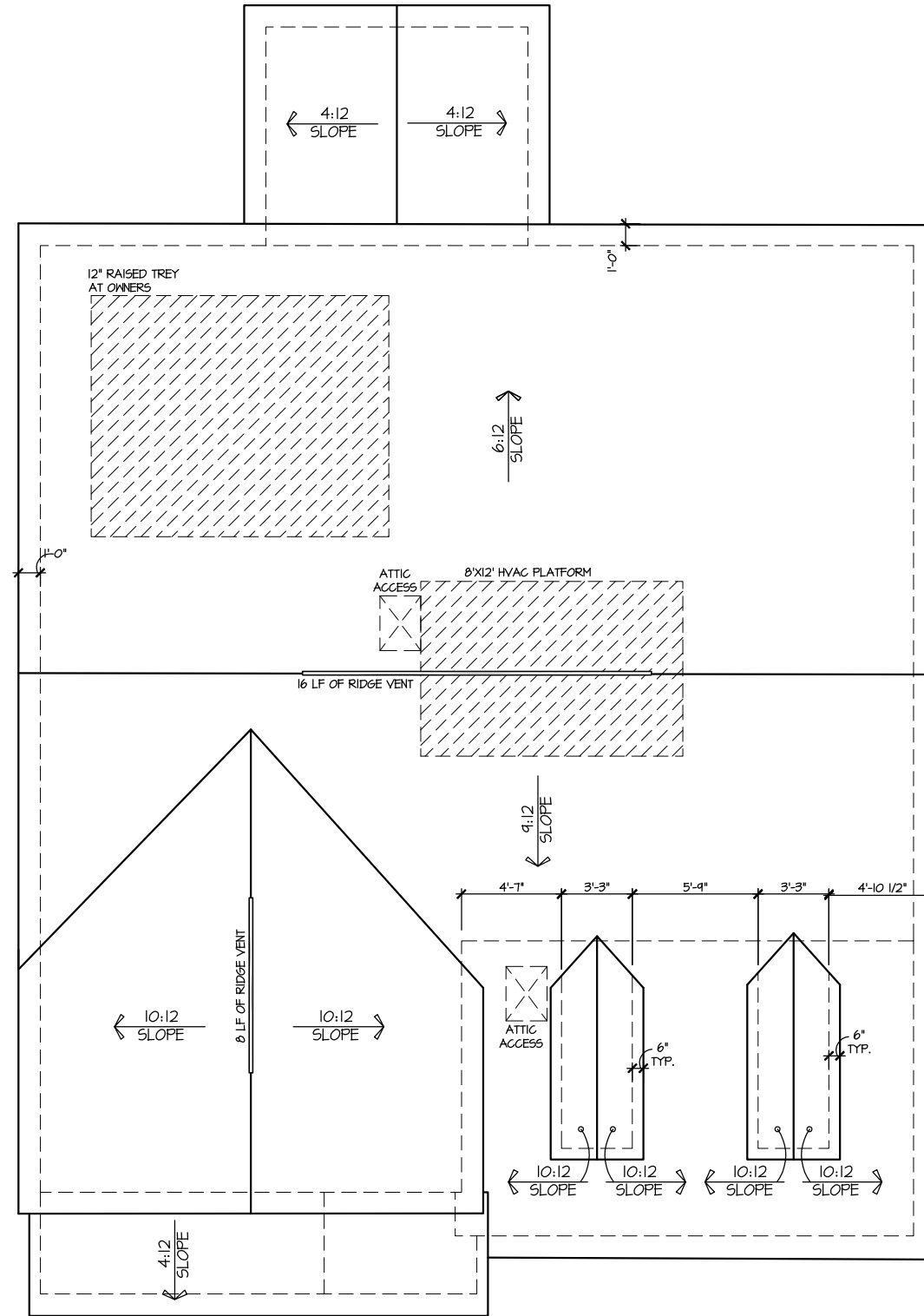


HOUSE NAME:	DRAYTON
DRAWING TITLE	FRONT & REAR ELEVATIONS

SHEET No.
A.I.

ROOF VENTILATION CALCULATIONS:

ROOF AREA = 1175 SQ. FT.
OVERALL REQUIRED VENTILATION:
 1 TO 150 = 11.83 SQ. FT.
 1 TO 300 = 5.92 SQ. FT.
 50-80% IN TOP THIRD = 2.46- 4.66 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)
 15 LINEAR FEET OF SOFFIT X 5.7 SQ. IN. = 2.46 SQ. FT.
UPPER VENTING: (TOP 1/3 RD)
 24 LINEAR FEET OF RIDGE X 18 SQ. IN. = 3 SQ. FT.
 3 SQ. FT. BETWEEN 50% - 80%
 (1 TO 300 ALLOWED)
 TOTAL ROOF VENTILATION: 5.46 SQ. FT. > 4.66 SQ. FT. (REQ'D)



ROOF PLAN ELEV. 2

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

UPDATED DATE
09-21-2022

MASTER PLAN INFORMATION
 REVISION DATE
 2-RALE 03-06-19

DRAWN BY:
ITS

DATE:
09/27/2022

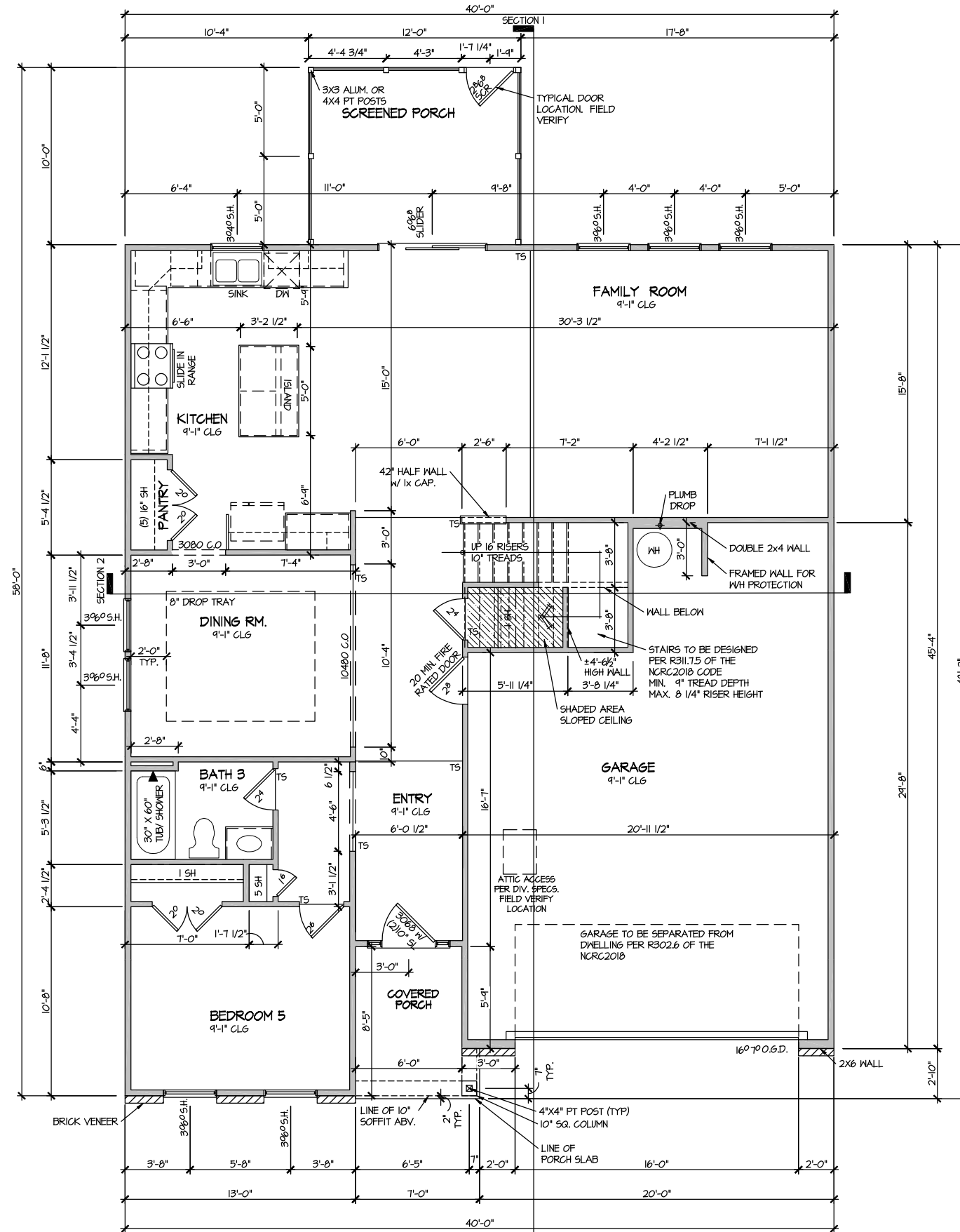
PLAN NO.
2695



HOUSE NAME:
DRAYTON
 DRAWING TITLE
ROOF PLAN

SHEET No.

A13



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

MASTER PLAN INFORMATION	
REVISION	DATE
2 - RALE	03-06-19
UPDATED DATE	09-21-2022

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695

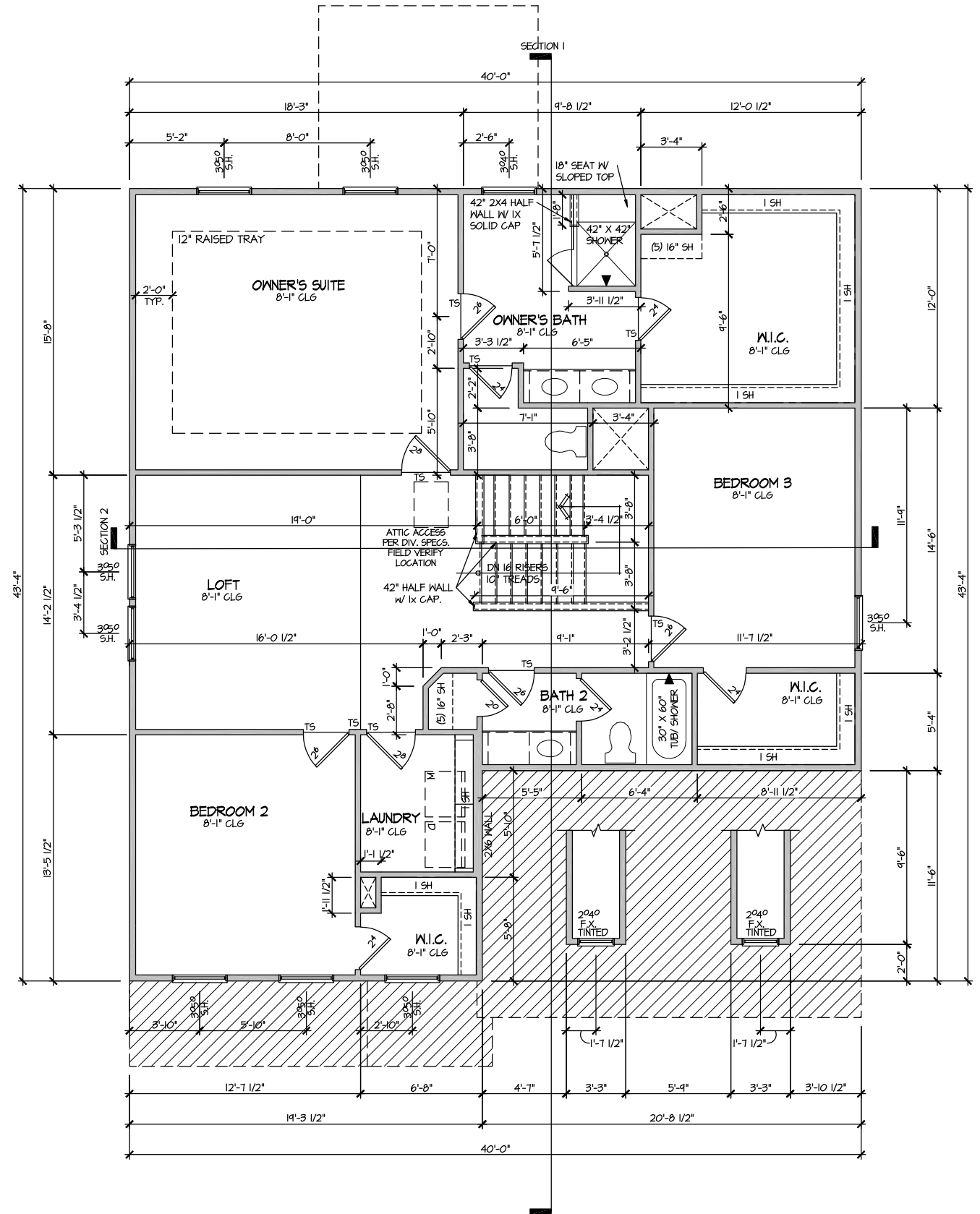


HOUSE NAME:	DRAYTON
DRAWING TITLE	FIRST FLOOR PLAN

SHEET No.	A3.1
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FILE: Lot 00.0092.dwg DATE: 9/27/2022 12:41 PM

FILE: Lot 00.0092.dwg DATE: 9/27/2022 12:41 PM



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

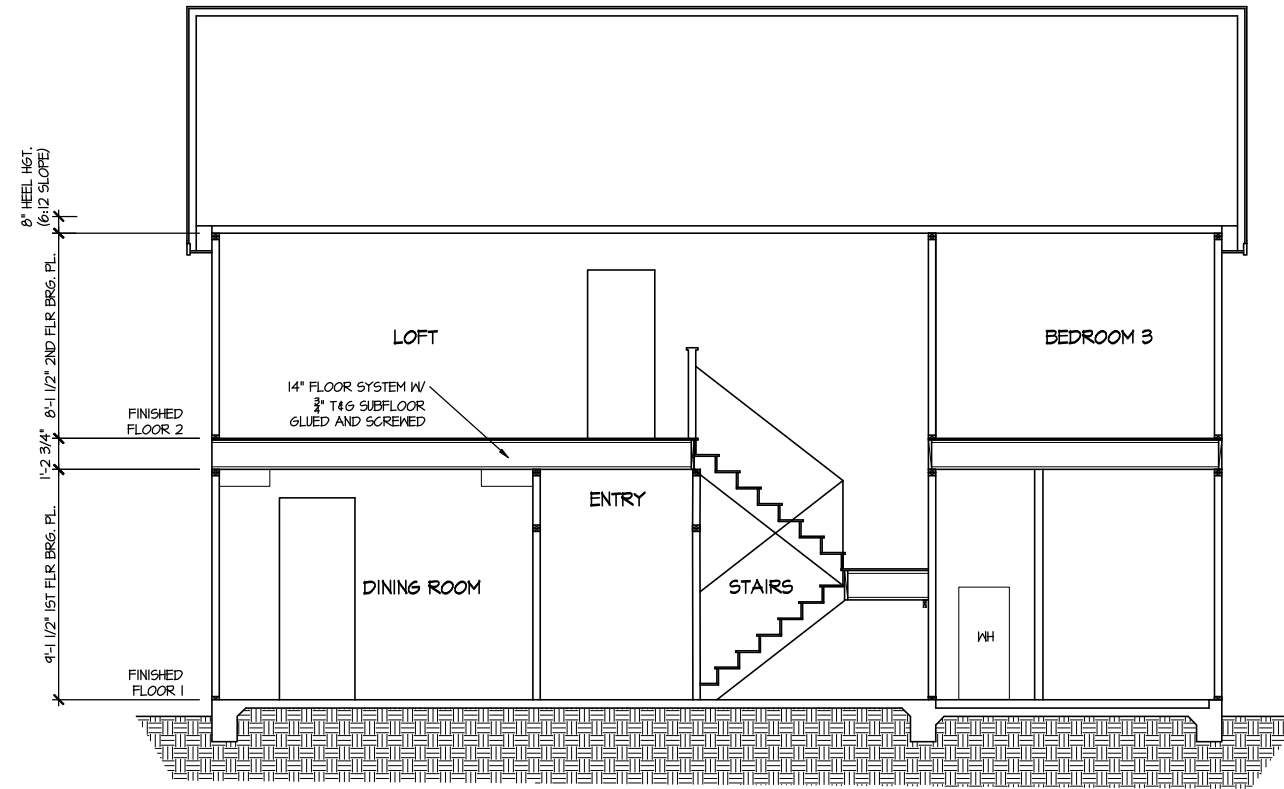
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REVISION	DATE
2-RALE	03-06-19
UPDATED DATE	09-21-2022

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695

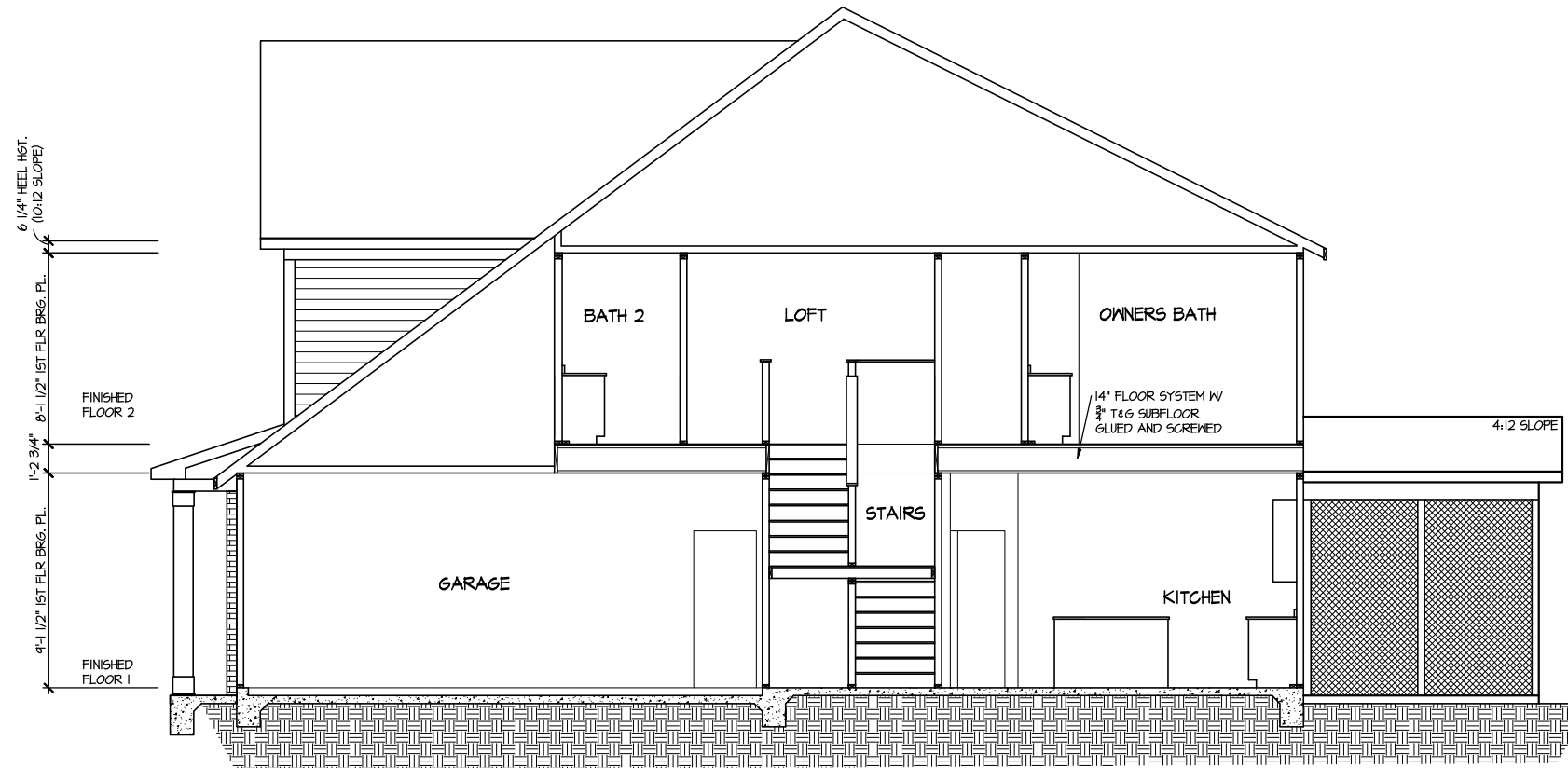


HOUSE NAME:	DRAYTON
DRAWING TITLE	SECOND FLOOR PLAN

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



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

MASTER PLAN INFORMATION	
REVISION	DATE
2 - RALE	03-06-19
UPDATED DATE: 09-21-2022	

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695



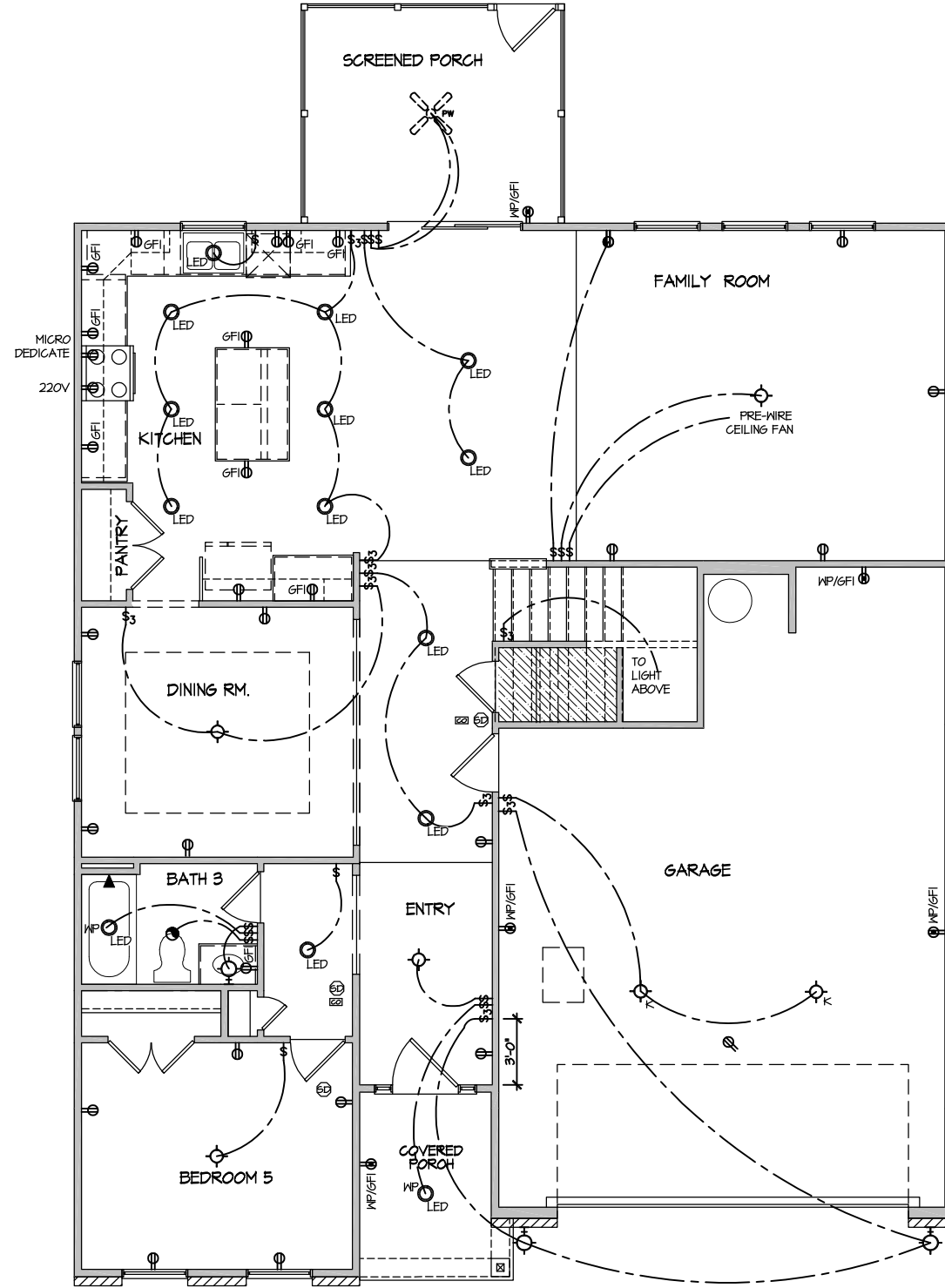
HOUSE NAME:	DRAYTON
DRAWING TITLE	BUILDING SECTION

SHEET No.	A4.1
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ELECTRICAL LEGEND

- Ⓢ SINGLE POLE SWITCH
- Ⓢ₃ THREE WAY SWITCH
- Ⓢ₄ FOUR WAY SWITCH
- ⓈⓈ DUPLEX AFCI RECEPTACLE
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V Ⓢ RECEPTACLE - 220V
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - GFI
- ⓈⓈ_Ⓢ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⓈⓈ SMOKE DETECTOR - WIRED IN SERIES
- Ⓢ EXHAUST FAN MOTOR
- Ⓢ CO DETECTOR
- Ⓢ DOOR CHIME
- Ⓢ LIGHT FIXTURE - WALL MOUNTED
- Ⓢ LIGHT FIXTURE - CEILING MOUNTED
- Ⓢ_{LED} LIGHT FIXTURE - LED SURFACE MOUNTED
- Ⓢ_P PULLCHAIN LAMPHOLDER
- Ⓢ_K KEYLESS LAMPHOLDER

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



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

MASTER PLAN INFORMATION	
REVISION	DATE
2-RALE	03-06-19
UPDATED DATE	09-21-2022

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695



HOUSE NAME:	DRAYTON
DRAWING TITLE	FIRST FLOOR ELECTRICAL

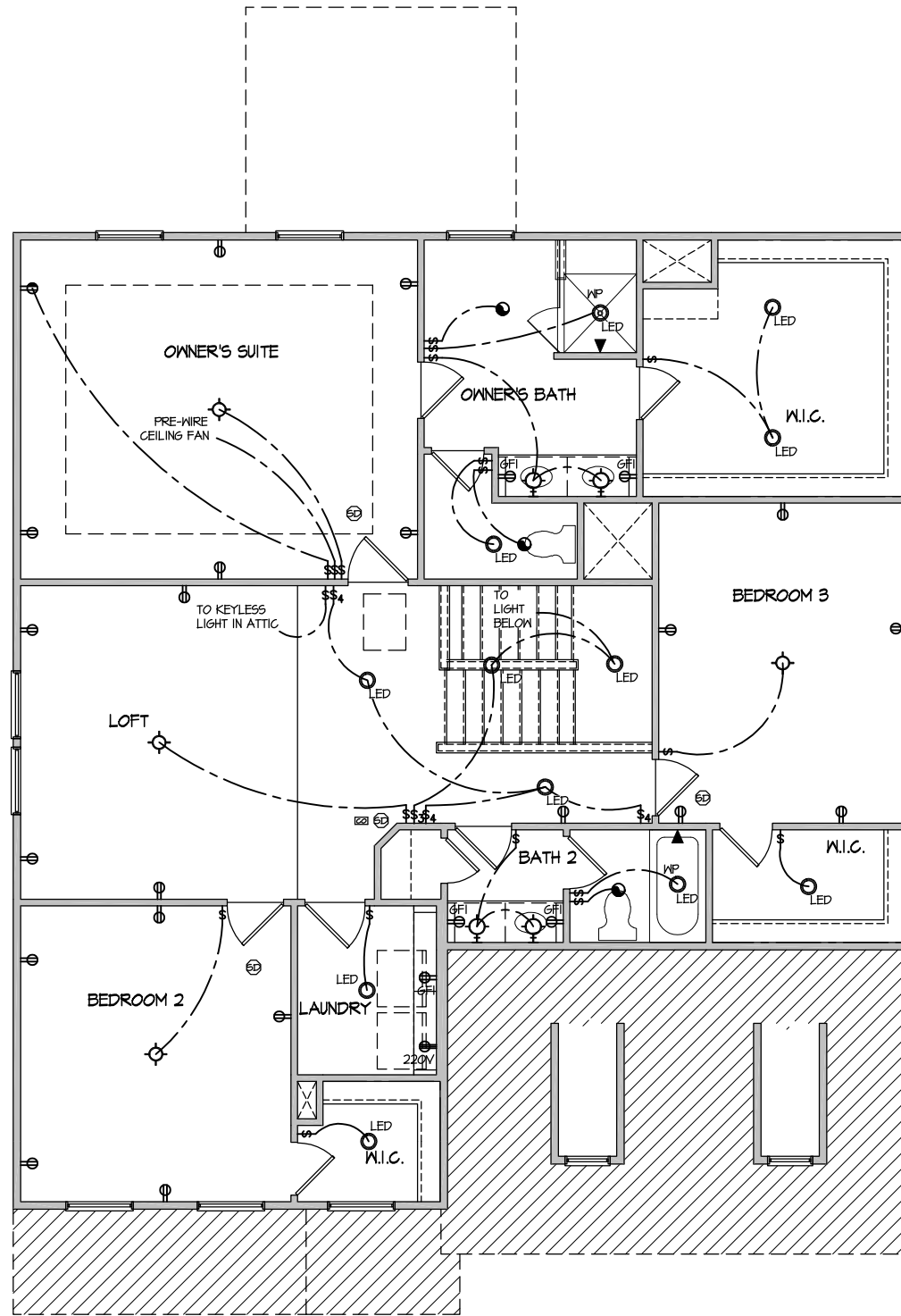
SHEET No.	E.I.
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FILE: Lot 00.0092.dwg DATE: 9/27/2022 12:41 PM

ELECTRICAL LEGEND

- Ⓢ SINGLE POLE SWITCH
- Ⓢ₃ THREE WAY SWITCH
- Ⓢ₄ FOUR WAY SWITCH
- ⓈⓈ DUPLEX AFCI RECEPTACLE
- ⓈⓈ_B DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- ⓈⓈ_F DUPLEX AFCI RECEPTACLE - FLOOR MOUNTED
- 220V Ⓢ RECEPTACLE - 220V
- ⓈⓈ_{GFI} DUPLEX AFCI RECEPTACLE - GFI
- ⓈⓈ_{WP/GFI} DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⓈⓈ_{SD} SMOKE DETECTOR - WIRED IN SERIES
- ⓈⓈ_{EFM} EXHAUST FAN MOTOR
- ⓈⓈ_{CO} CO DETECTOR
- ⓈⓈ_{DC} DOOR CHIME
- ⓈⓈ_{LW} LIGHT FIXTURE - WALL MOUNTED
- ⓈⓈ_{LC} LIGHT FIXTURE - CEILING MOUNTED
- ⓈⓈ_{LED} LIGHT FIXTURE - LED SURFACE MOUNTED
- ⓈⓈ_P FULLCHAIN LAMPHOLDER
- ⓈⓈ_K KEYLESS LAMPHOLDER

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.



MASTER PLAN INFORMATION	
REVISION	DATE
2 - RALE	03-06-19
UPDATED DATE	09-21-2022

DRAWN BY:	ITS
DATE:	09/27/2022
PLAN NO.	2695



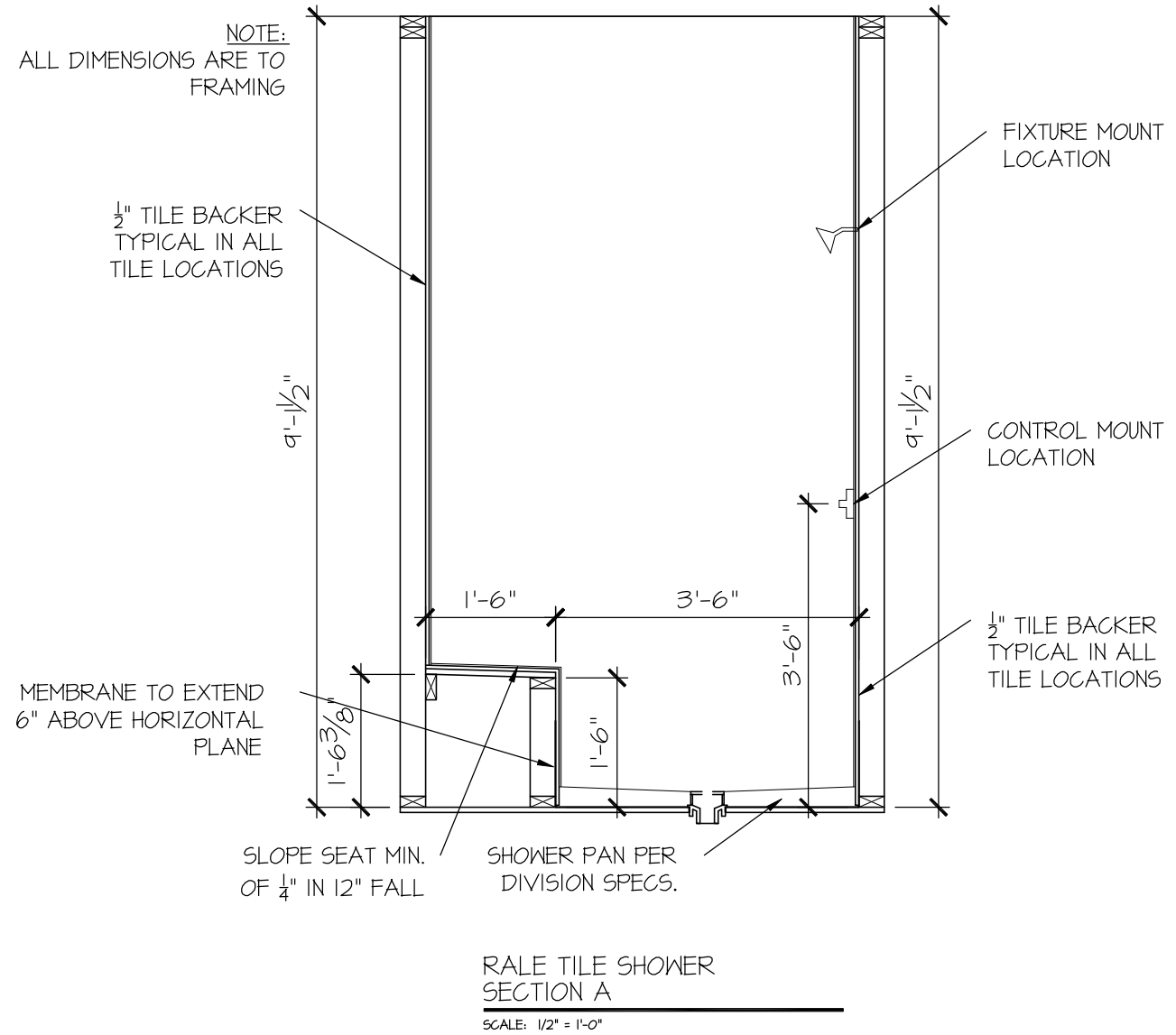
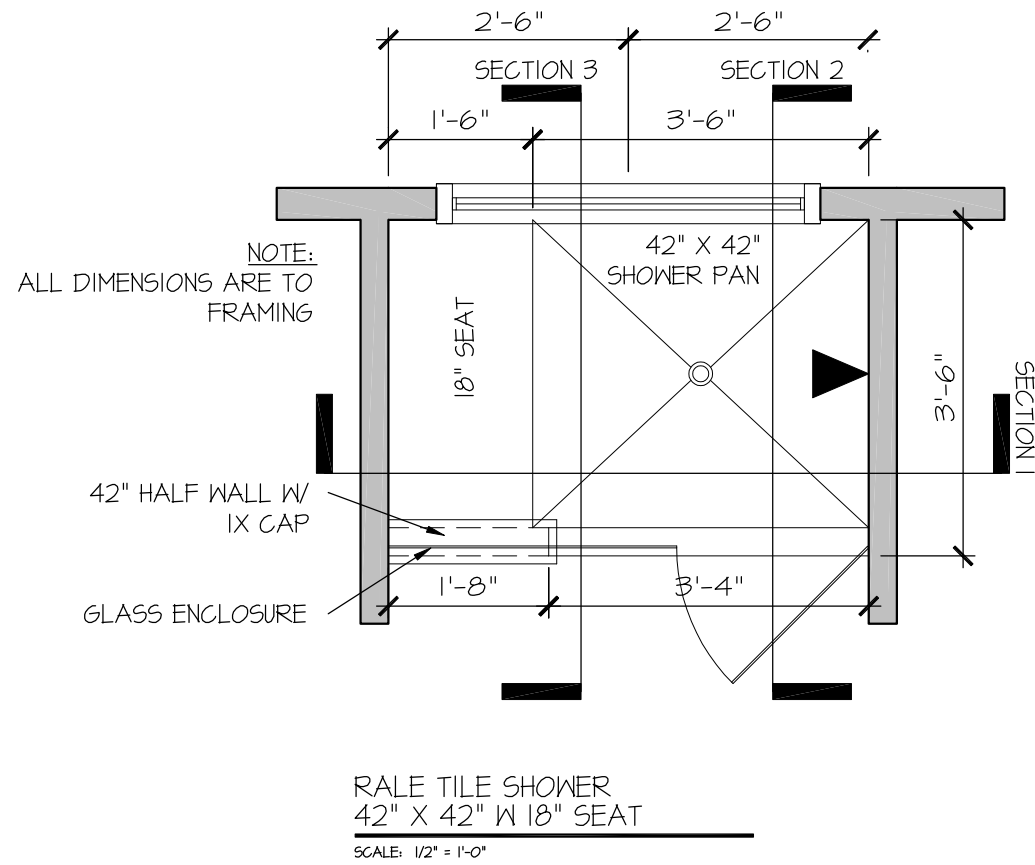
HOUSE NAME:	DRAYTON
DRAWING TITLE	SECOND FLOOR ELECTRICAL

SHEET No.	E1.2
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ELECTRICAL PLAN
SECOND FLOOR - ELEV. 2
SCALE: 1/8" = 1'-0"

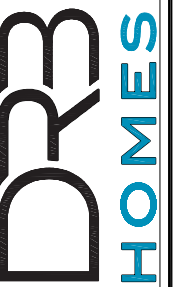
FILE: Lot_00.0092.dwg DATE: 9/27/2022 12:41 PM

FILE: RALE TILE SHOWER DETAIL 8-2022.dwg DATE: 09-19-2022



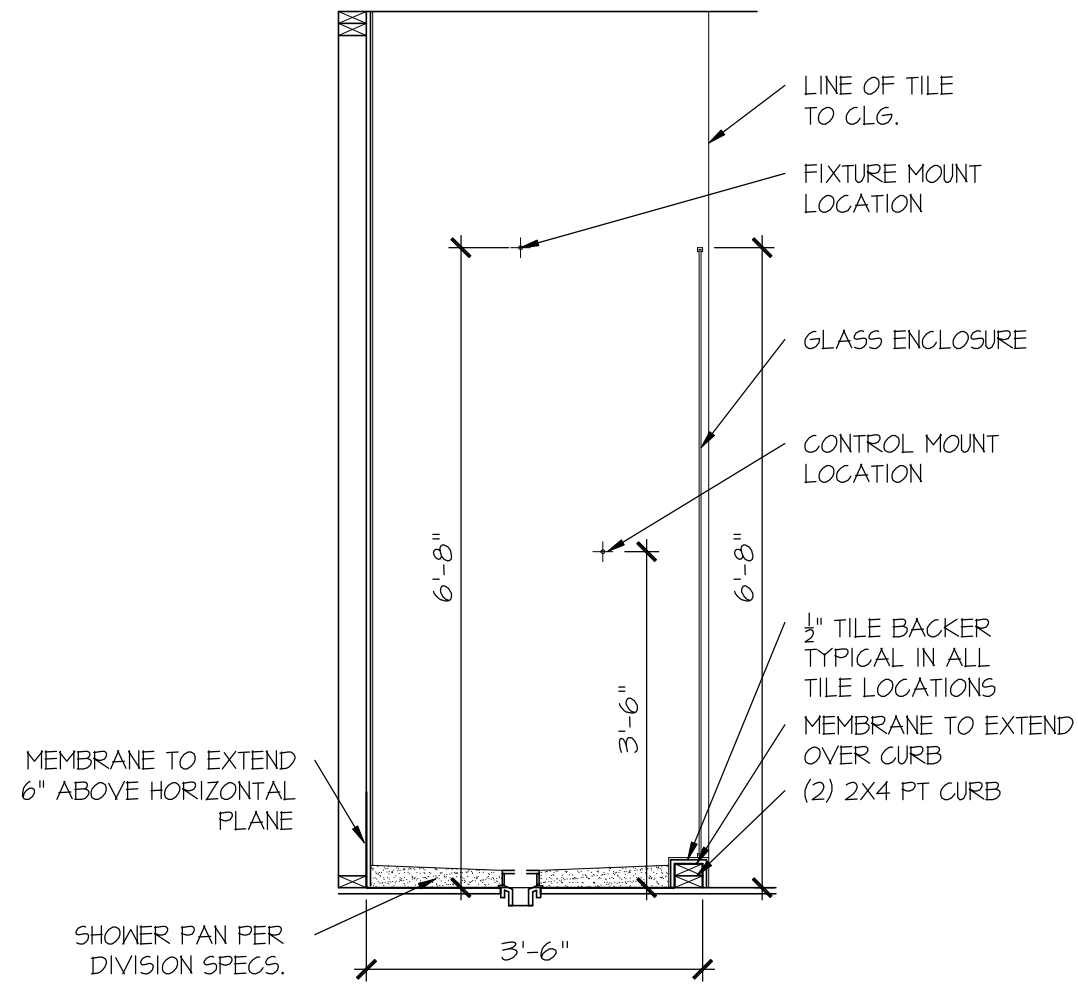
SEAL

DRAWN BY:
L. BEAVERS
DATE: 9/1/22
PLAN NO.
11 X 17 SCALE
24 X 36 SCALE

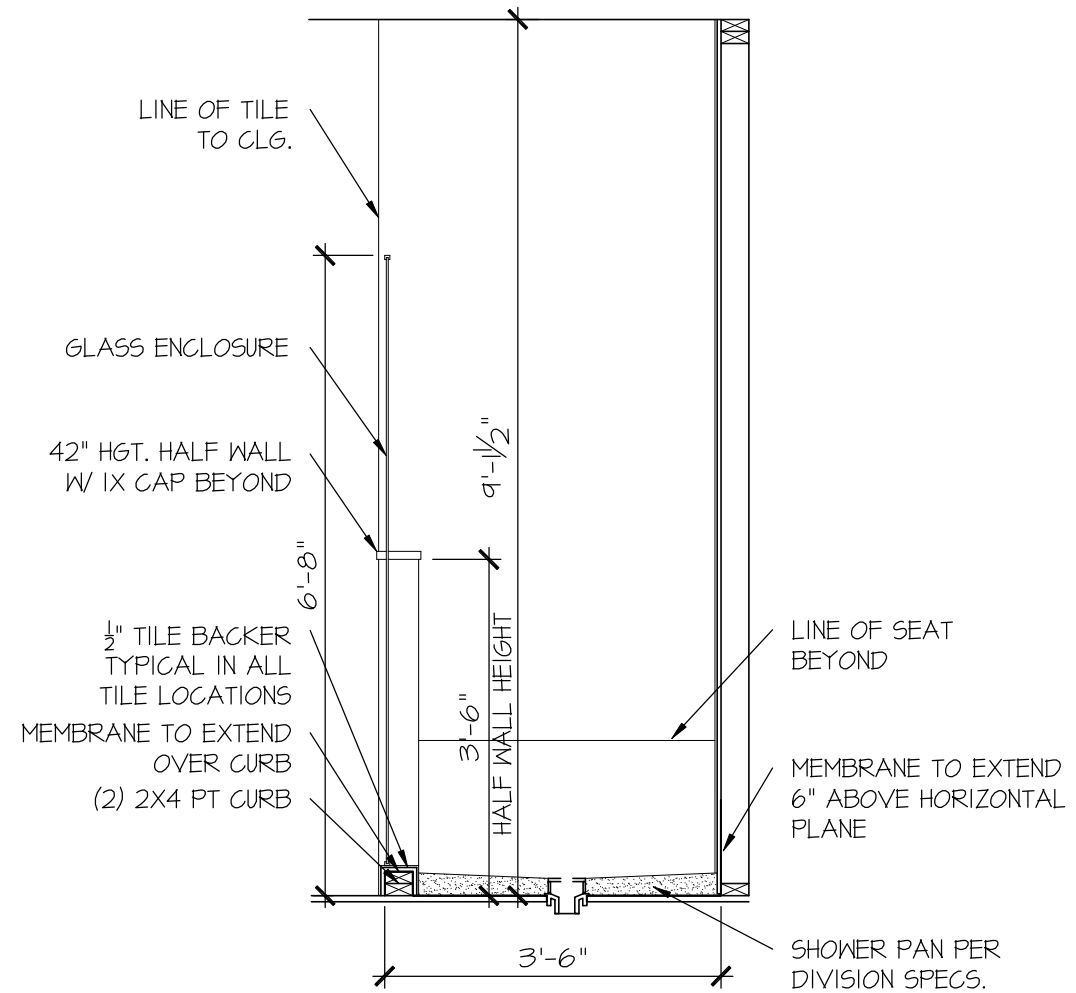


HOUSE NAME:
DRAWING TITLE
RALE TILE SHOWER DETAIL

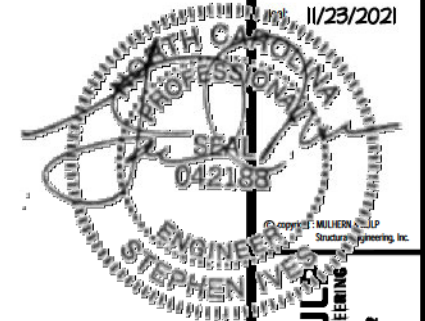
SHEET No.
01.12



RALE TILE SHOWER SECTION B
SCALE: 1/2" = 1'-0"



RALE TILE SHOWER SECTION C
SCALE: 1/2" = 1'-0"



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
10000 W. HARRIS LANE, SUITE 100
DRAYTON, NC 27585
919-286-8888
www.mulhernkulp.com



M&K project number:

126-21020

project mgr: JTR

drawn by: KL

issue date: 06-12-21

REVISIONS:

date: initial



FOUNDATION PLANS
DRAYTON
RALEIGH, NC

Sheet

SO.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 MALL ANCHOR REQUIREMENTS)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SFF OR SYP, 'STUD' GRADE OR BETTER.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, UN.O.:
 - f_c = 4000 psi: FOUNDATION WALLS
 - 2500 psi: FOOTINGS & INTERIOR SLABS ON GRADE
 - 3000 psi: GARAGE & EXTERIOR SLABS ON GRADE
 - f_y = 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
 - 9' OR 10' HEIGHT (AS NOTED ON PLANS)
 - TALLER WALLS MUST BE ENGINEERED.
 - NOMINAL WIDTH (9 1/2") FOR 10' THICK WALL.
- BASEMENT WALL DESIGN IS BASED ON 60 PCF BACKFILL SOIL TYPE CLASSIFICATIONS (SG, 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. REINFORCEMENT SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.
 - FOR OPENINGS UP TO 36", PROVIDE MINIMUM 10' CONCRETE DEPTH OVER OPENING OR (3)2x10 W/ (2)2x6 JACK STUDS, UN.O.
 - LARGER OPENINGS SHALL BE PER PLAN.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
 - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
 - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
 - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (F_m=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 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 FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY BEST CONTROL COMPANY.

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED - IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION - THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO; FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN. MULHERN & KULP CANNOT BE HELD RESPONSIBLE FOR ANY STRUCTURAL ISSUES RELATED TO ANY BUILDING COMPONENT IF COMPONENT SHOP DRAWINGS ARE NOT SUBMITTED TO MK FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

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

- ROOF TRUSSES:
 - 1/4" DEAD LOAD
- 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)

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x1/2"
6'-0"	3 FT. MAX	L3"x3"x1/2"
	12 FT. MAX	L4"x3"x1/2"
8'-0"	20 FT. MAX	L3"x3"x3/8"
	3 FT. MAX	L4"x3"x3/8"
	12 FT. MAX	L3"x3"x3/8"
9'-0"	16 FT. MAX	L6"x3"x3/8"
	12 FT. MAX	L6"x3"x3/8"
16'-0"	2 FT. MAX	L7"x4"x3/8"
	3 FT. MAX	L8"x4"x3/8"

ALL LINTELS:
 - SHALL SUPPORT 2 1/2" - 3 1/2" VENEER w/ 40 psf MAXIMUM HEIGHT.
 - 1/2" SHALL HAVE 4" MIN BEARING
 - 1/4" SHALL HAVE 8" MIN BEARING
 - 1/2" SHALL NOT BE FASTENED BACK TO HEADER
 - 1/4" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ 3/8" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LOW VERTICALLY SLOTTED HOLES.
 - MAX VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING - ALL LINTELS SHALL BE LOW LOW VERTICAL.
 - MIN. SUPPORTING VENEER @ 3" WIDE THE EXTENSION TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3/4" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR PORTLAND JOINT FINISHING.
 - SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.
 - FOR GREEN VENEER USE L-ANCHOR.
 - FOR 3/4" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IN VENEER @ 6" THICK.

LEGEND

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

NON-BEARING HEADER SCHEDULE

SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6

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:
120 MPH WIND IN 2018 NCSEBC:RC
 (120 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1604) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NCSEBC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSEBC:RC SECTION R802.1.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
 - FASTEN SHEATHING W/ 8d NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. TYP. UN.O.
- HORIZONTAL BLOCKING OF EXT. WALLS/SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 1/2" 16 GA STAPLES (3/4" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 8d NAILS @ 6" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 1 1/2" 16 GA STAPLES (3/4" 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 FASTENINGS.

3" O.C. EDGE NAILING

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

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, UN.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/ 10d NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

- ▬ INDICATES EXTENT OF INT. OSB SHEARWALL OR 3" O.C. OSB SHEARWALL.
- ▶ INDICATES HOLD-DOWN BELOW

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA (EXCLUDES MARBLE FLOORS - CONTACT MK FOR MARBLE FLOOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, UN.O.
- I-JOIST/TRUSS SHOP DWGS SHALL BE SUBMITTED TO ARCH. & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED STURD-I-FLOOR 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND:
 - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
 - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.

ROOF FRAMING

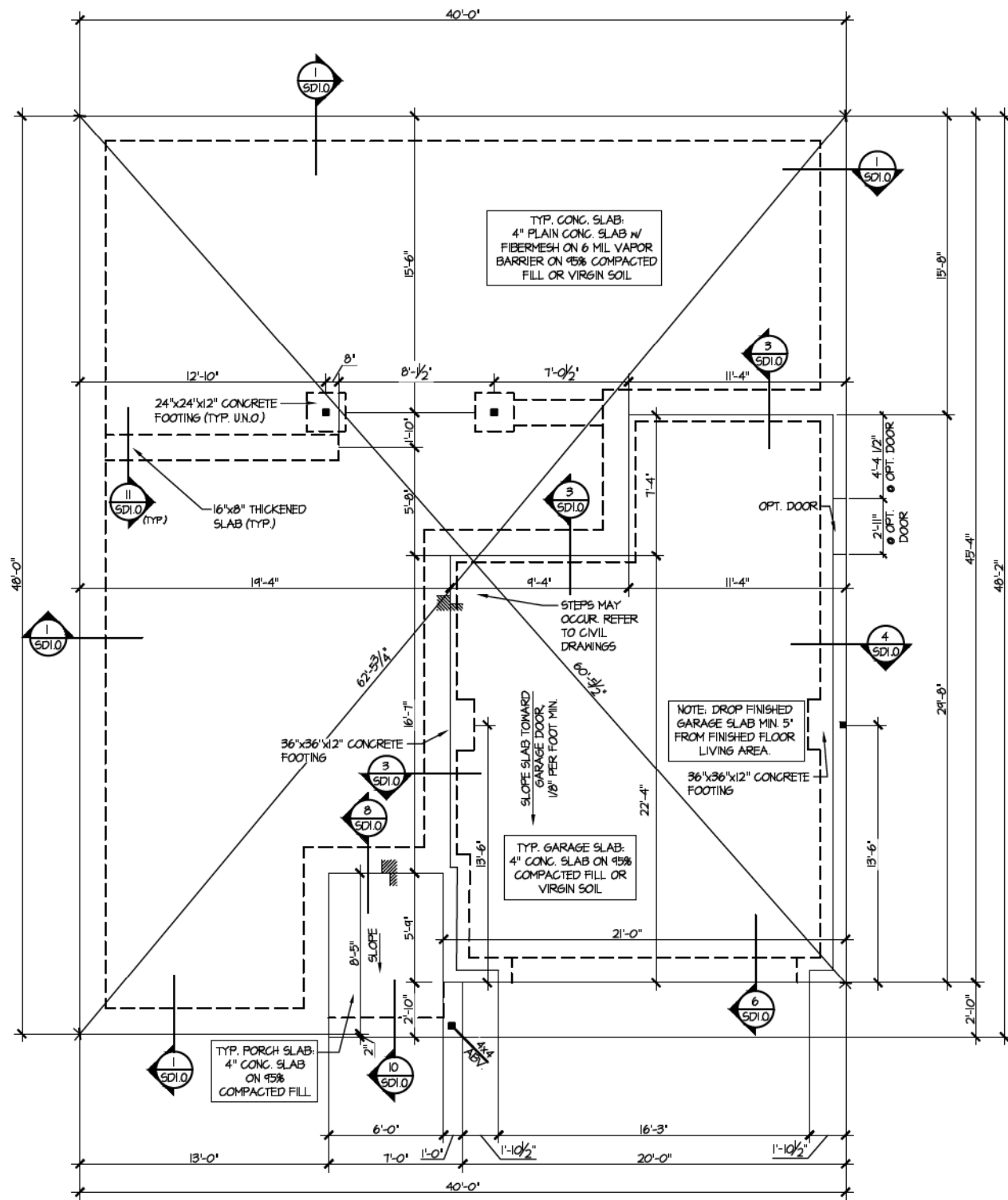
- BAY WINDOWS & SHED ROOFS (UP TO 6' SPAN) CAN BE 2x4 OR 2x6 RAFTERS & CEILING JOISTS @ 16/24" O.C.
- FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, UN.O.
- ROOF TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TP15 BCSI 1-08 'GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.'
- SUPPORT PORCH & SHORT SPAN ROOF TRUSSES W/ 2x4 LEDGER FASTENED TO FRAMING W/ (2) 3"x0.131" NAILS @ 16" O.C. (MAX. 1' SPAN)
- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS:
 - W/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
 - W/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - W/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.

GENERAL STRUCTURAL NOTES

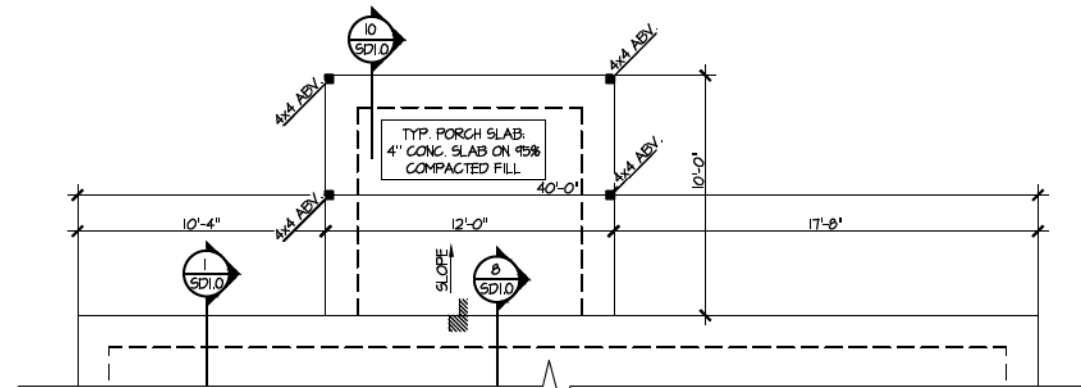
- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS, 'NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION' - LATEST EDITION.
- DESIGN LOADS:
 - ROOF: DEAD = 7 PSF T.C., 10 PSF B.G. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25
 - FLOOR: LIVE = 40 PSF @ SLEEPING AREAS DEAD = 10 PSF (I-JOISTS & SOLID SAWN) 10 PSF T.C., 5 PSF B.G. (TRUSSES) (ADD'L 10 PSF @ TILE)
 - LATERAL: 120 MPH, EXPOSURE B. SEISMIC A/B.
 - SOIL: 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. UN.O.
- EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SFF OR SYP 'STUD' GRADE LUMBER, OR BETTER, UN.O. WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SFF) 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, UN.O.)
 - HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 19% MC (KD-15).
- ENGINEERED LUMBER TO MEET OR EXCEED THE FOLLOWING:
 - LSL' - F_b=2325 psi; F_v=310 psi; E=155x10⁶ psi
 - LVL' - F_b=2600 psi; F_v=285 psi; E=2.0x10⁶ psi
- FOR 2 & 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O.C. OR 2 ROWS 1/4"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSSLOK SCREWS) @ 16" O.C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/8" 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, UN.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 (HILT' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BC52-2/4 CAP & ABW44Z BASE, UN.O.



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

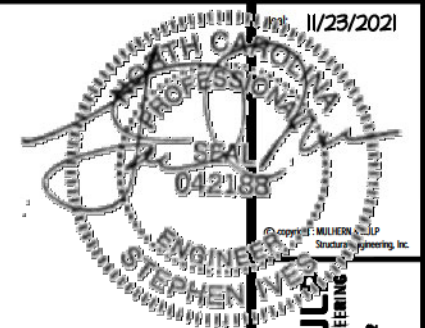


2 PARTIAL MONO SLAB FOUNDATION PLAN
 SCALE: 1/8"=1'-0"
 OPTIONAL SCREENED PORCH

LEGEND

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

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



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M&K project number: 126-21020
 project mgr: JTR
 drawn by: KL
 issue date: 06-12-21

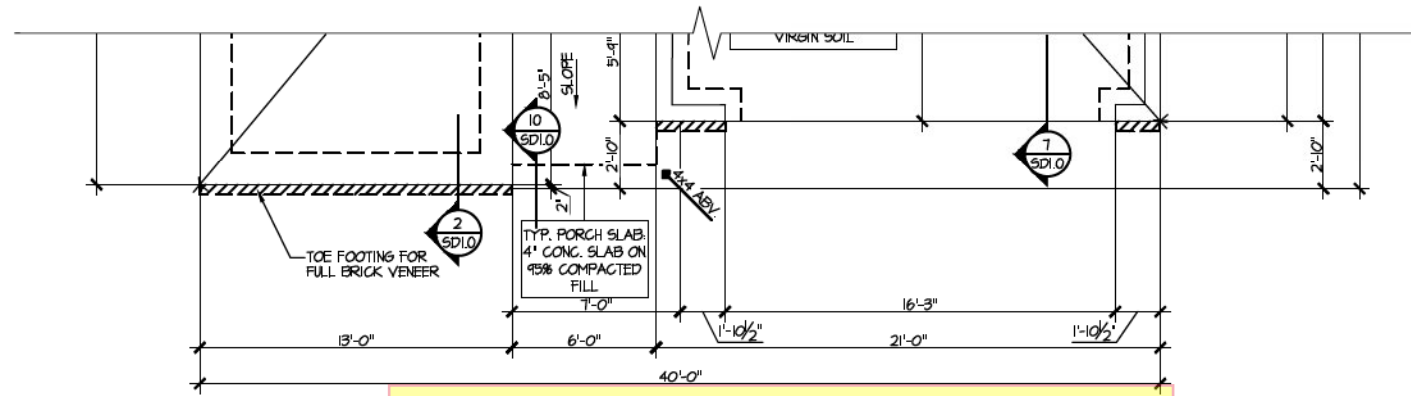
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FOUNDATION PLANS
 DRAYTON
 RALEIGH, NC

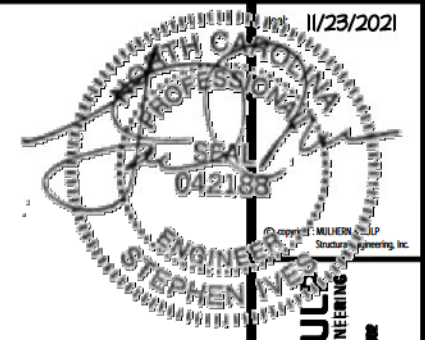
sheet RIGHT HAND
S1.0



1 PARTIAL MONO SLAB FOUNDATION PLAN
 SCALE: 1/8"=1'-0"
 ELEVATION #2

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

**REFER TO SO.0 FOR
 TYPICAL STRUCTURAL NOTES
 & SCHEDULES**



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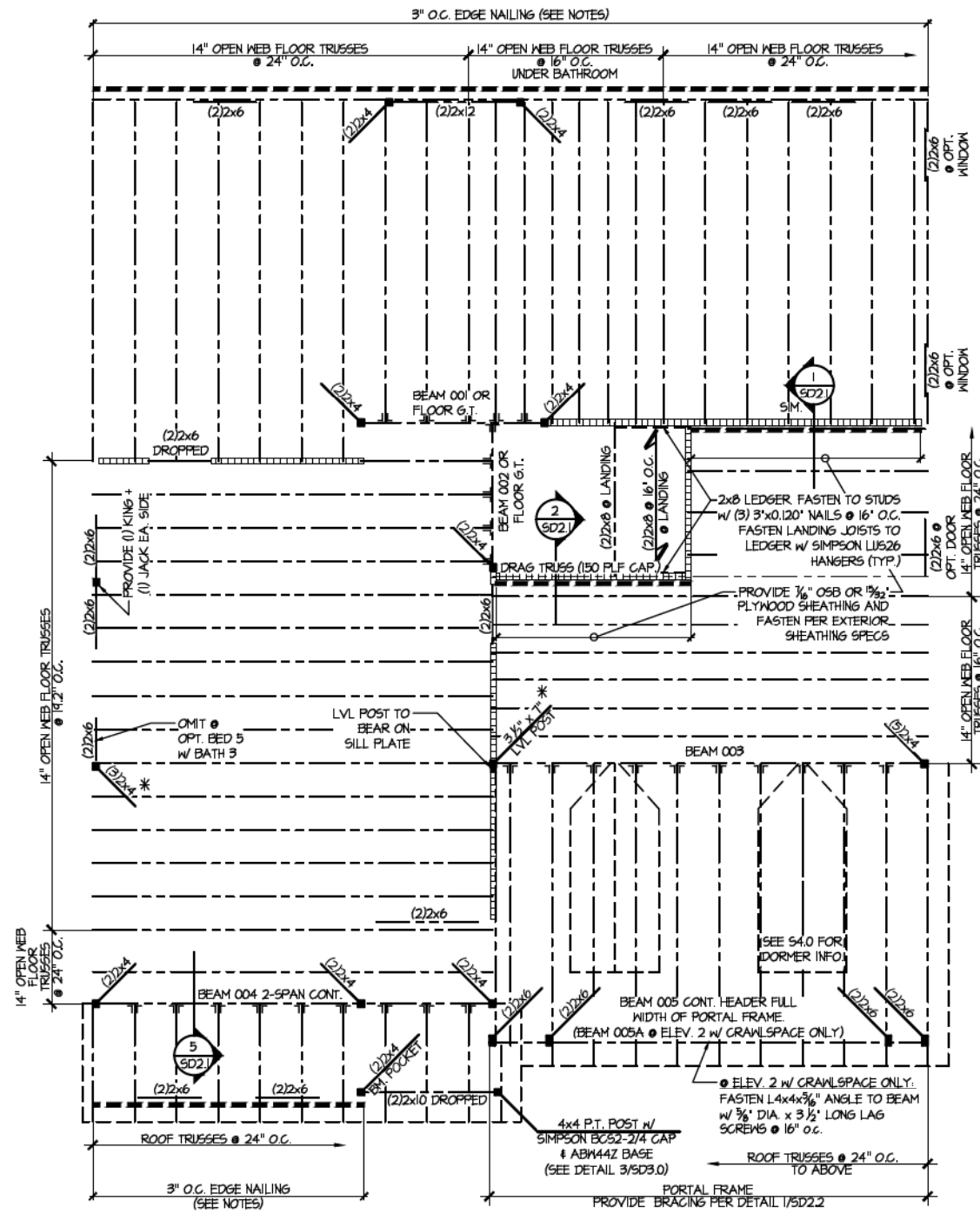
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 126-21020
 project mgr: JTR
 drawn by: KL
 issue date: 06-12-21

REVISIONS:	
date:	initial:



FOUNDATION PLANS
 DRAYTON
 RALEIGH, NC

RIGHT HAND
S1.1



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

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SD2.0 & SD2.1 REFERS TO SD2.0J & SD2.1J FOR I-JOIST FLOOR FRAMING OR SD2.0T & SD2.1T FOR TRUSS FLOOR FRAMING

SD2.1J/SD2.1T REFERS TO SD2.1JA/SD2.1TA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.1TB FOR FLITCH BEAMS OR SD2.1JC/SD2.1TC FOR STEEL BEAMS

LEGEND

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

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
002	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
003	(2) 3/4"x18" - FB or (2) 3/4"x20" - FB	3/4"x18" - FB	NA	(3) 2x12 + (2) 3/4"x10" STEEL FLITCH PLATES - FB	M2x26 - F
004	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
005	(2) 3/4"x17 1/2" - H cont.	3/5"x17 1/2" - H cont.	(2) 3/4"x17 1/2" - H cont.	(3) 2x12 + (2) 3/4"x10" STEEL FLITCH PLATES - H cont.	NA
005A	(3) 3/4"x14" - H cont.	3/4"x14" - H cont.	NA	(3) 2x12 + (2) 3/4"x10" STEEL FLITCH PLATES - H cont.	NA
006	(1) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
007	(2) 3/4"x17 1/2" - D	3/5"x17 1/2" - D	(2) 3/4"x17 1/2" - D	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - D	M10x12 - D
008	(2) 3/4"x18" - H cont.	3/5"x18" - H cont.	(3) 3/4"x18" - H cont.	(3) 2x12 + (2) 3/4"x10" STEEL FLITCH PLATES - H cont.	NA
009	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - F	M6x10 - F
010	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
011	(2) 3/4"x14" - F	3/5"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - FB	M2x14 - F
012	(2) 3/4"x17 1/2" - D	3/5"x17 1/2" - D	(2) 3/4"x17 1/2" - D	(2) 2x12 + (1) 1/2"x10" STEEL FLITCH PLATES - D	M10x12 - D

**** BEAM NOTATION:**

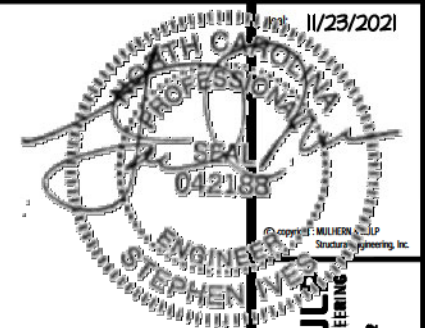
- "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM
- "H" INDICATES DROPPED OPENING HEADER

**** 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"x0.120" NAILS @ 8" O.C.**

**** FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS @ 8" O.C.**



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M&K project number:
126-21020

project mgr: JTR
drawn by: KL
issue date: 06-12-21

REVISIONS:

date:	initial:



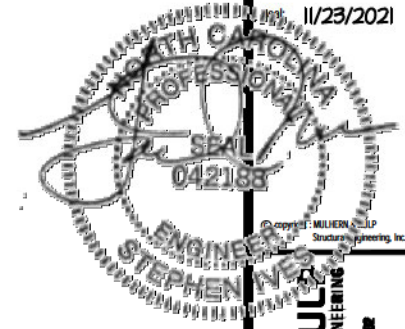
FLOOR FRAMING PLANS
DRAYTON
RALEIGH, NC

SHEET RIGHT HAND
S3.0T

REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

LEGEND

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

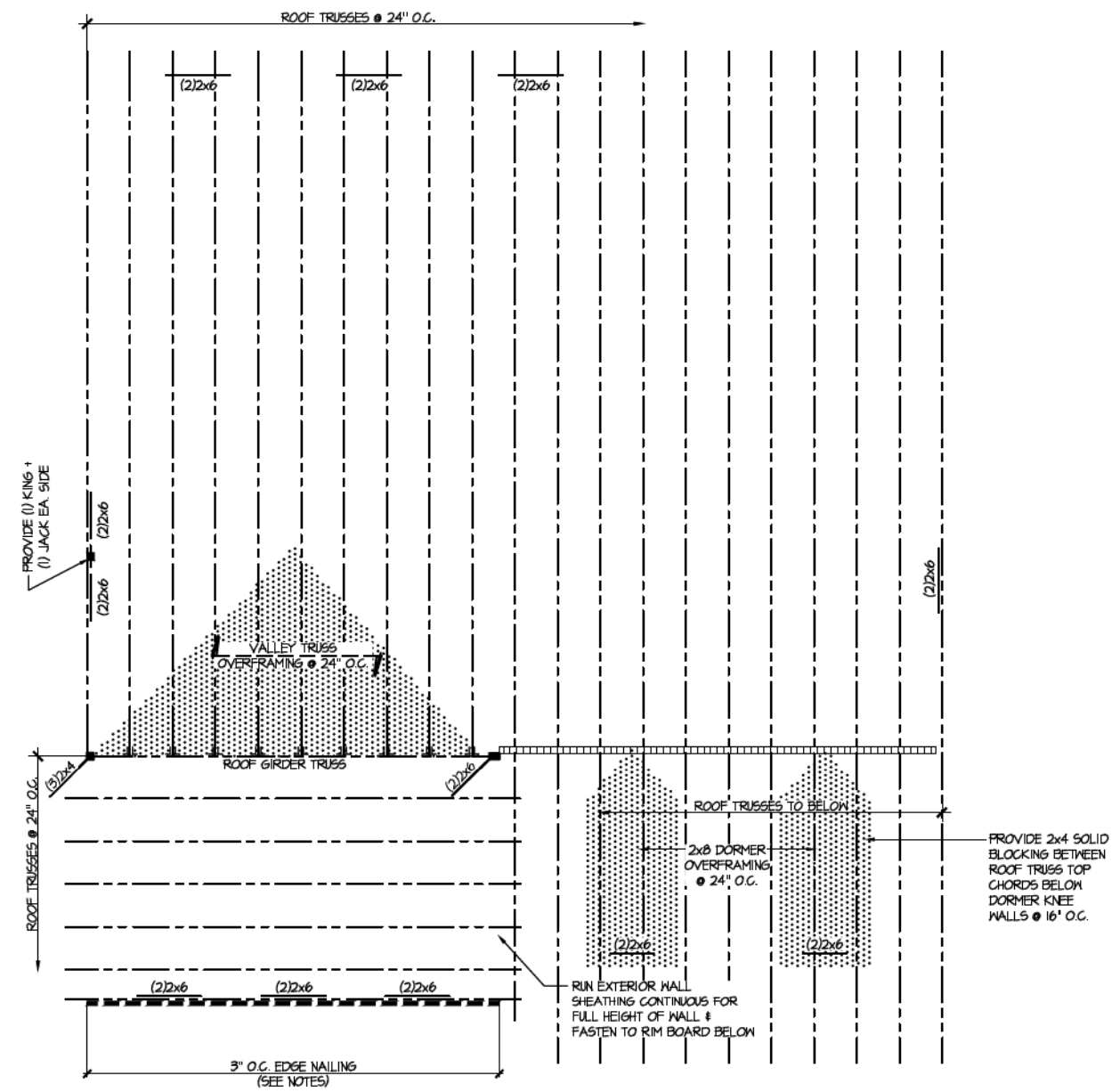


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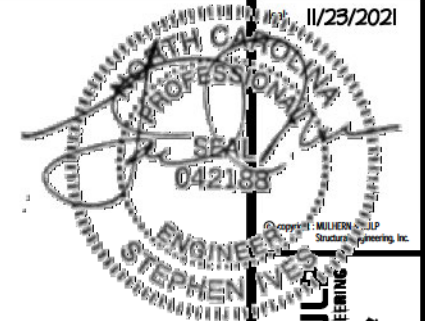
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2 PARTIAL ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"
ELEVATIONS #2

ROOF FRAMING PLANS
DRAYTON
RALEIGH, NC

RIGHT HAND
S4.0



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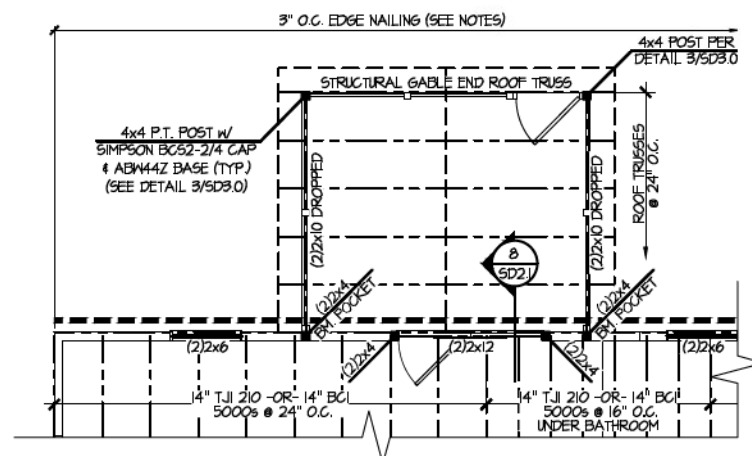
LEGEND

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

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SD2.0 & SD2.1 REFERS TO SD2.0J & SD2.1J FOR 1-JOIST FLOOR FRAMING OR SD2.0T & SD2.1T FOR TRUSS FLOOR FRAMING

SD2.1J/SD2.1T REFERS TO SD2.1JA/SD2.1TA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.1TB FOR FLITCH BEAMS OR SD2.1JC/SD2.1TC FOR STEEL BEAMS



4 PARTIAL SECOND FLOOR FRAMING PLAN
OPTIONAL SCREENED PORCH
 SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEV. SIM.

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
002	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
003	(2) 3/4"x18" - FB or (2) 3/4"x20" - FB	3/4"x18" - FB	N/A	(2) 2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - FB	W12x26 - F
004	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
005	(2) 3/4"x11 1/2" - H cont.	3/4"x11 1/2" - H cont.	(2) 3/4"x11 1/2" - H cont.	(2) 2x12 + (2) 3/4"x11 1/2" STEEL FLITCH PLATES - H cont.	N/A
005A	(2) 3/4"x14" - H cont.	3/4"x14" - H cont.	N/A	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - H cont.	N/A
006	(1) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
007	(2) 3/4"x11 1/2" - D	3/4"x11 1/2" - D	(2) 3/4"x11 1/2" - D	(2) 2x12 + (1) 3/4"x11 1/2" STEEL FLITCH PLATES - D	N10x12 - D
008	(2) 3/4"x16" - H cont.	3/4"x16" - H cont.	(2) 3/4"x16" - H cont.	(2) 2x12 + (2) 3/4"x16" STEEL FLITCH PLATES - H cont.	N/A
009	(2) 3/4"x9 1/2" - F	3/4"x9 1/2" - F	(2) 3/4"x9 1/2" - F	(2) 2x12 + (1) 3/4"x9 1/2" STEEL FLITCH PLATES - F	H6x10 - F
010	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
011	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
012	(2) 3/4"x11 1/2" - D	3/4"x11 1/2" - D	(2) 3/4"x11 1/2" - D	(2) 2x12 + (1) 3/4"x11 1/2" STEEL FLITCH PLATES - D	N10x12 - 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"x0.120" NAILS @ 8" O.C.**
**** FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.**

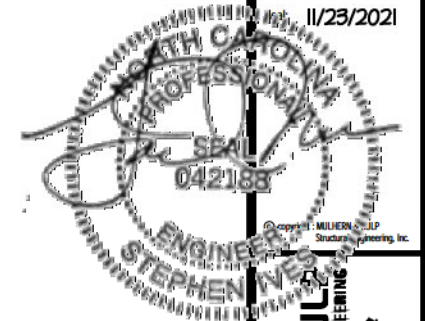
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 project mgr: JTR
 drawn by: KL
 issue date: 06-12-21

REVISIONS:
 date: initial



OPTION FRAMING PLANS
 DRAYTON
 RALEIGH, NC

sheet: RIGHT HAND
S5.0J



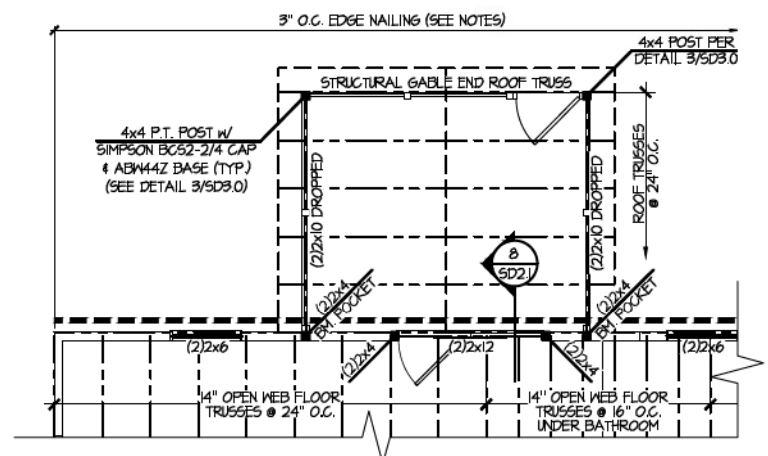
LEGEND

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

REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SD2.0 & SD2.1 REFERS TO SD2.0J & SD2.1J FOR 1-JOIST FLOOR FRAMING OR SD2.0T & SD2.1T FOR TRUSS FLOOR FRAMING

SD2.1J/SD2.1T REFERS TO SD2.1JA/SD2.1TA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.1TB FOR FLITCH BEAMS OR SD2.1JC/SD2.1TC FOR STEEL BEAMS



4 PARTIAL SECOND FLOOR FRAMING PLAN
OPTIONAL SCREENED PORCH
 SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEV. SIM.

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
002	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
003	(2) 3/4"x18" - FB or (2) 3/4"x20" - FB	3/4"x18" - FB	N/A	(2) 2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - FB	W12x26 - F
004	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
005	(2) 3/4"x11 1/2" - H cont.	3/4"x11 1/2" - H cont.	(2) 3/4"x11 1/2" - H cont.	(2) 2x12 + (2) 3/4"x11 1/2" STEEL FLITCH PLATES - H cont.	N/A
005A	(2) 3/4"x14" - H cont.	3/4"x14" - H cont.	N/A	(2) 2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - H cont.	N/A
006	(1) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
007	(2) 3/4"x11 1/2" - D	3/4"x11 1/2" - D	(2) 3/4"x11 1/2" - D	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	W10x12 - D
008	(2) 3/4"x16" - H cont.	3/4"x16" - H cont.	(2) 3/4"x16" - H cont.	(2) 2x12 + (2) 3/4"x14" STEEL FLITCH PLATES - H cont.	N/A
009	(2) 3/4"x9 1/2" - F	3/4"x9 1/2" - F	(2) 3/4"x9 1/2" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - F	H6x10 - F
010	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
011	(2) 3/4"x14" - F	3/4"x14" - F	(2) 3/4"x14" - F	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - FB	W12x14 - F
012	(2) 3/4"x11 1/2" - D	3/4"x11 1/2" - D	(2) 3/4"x11 1/2" - D	(2) 2x12 + (1) 3/4"x14" STEEL FLITCH PLATES - D	W10x12 - 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"x0.120" NAILS @ 8" O.C.
 ** FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W/ (2) 3"x0.120" NAILS @ 8" O.C.

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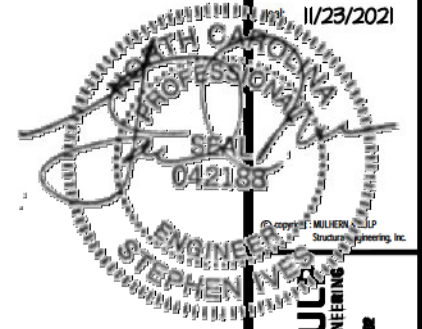
MAX project number:
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 project mgr: JTR
 drawn by: KL
 issue date: 06-12-21

REVISIONS:
 date: initial



OPTION FRAMING PLANS
 DRAYTON
 RALEIGH, NC

sheet: RIGHT HAND
S5.0T



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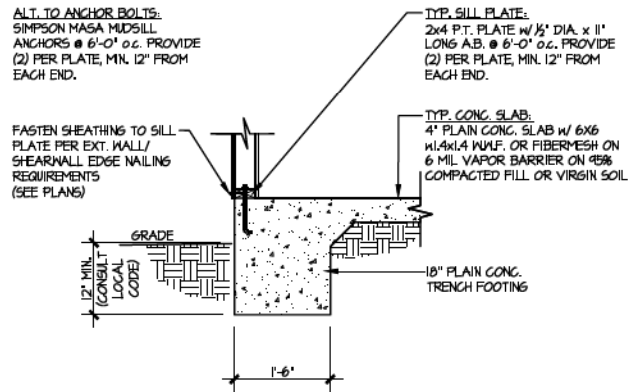


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drawn by: KL
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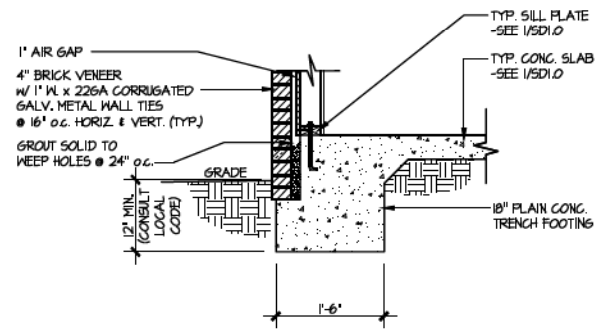
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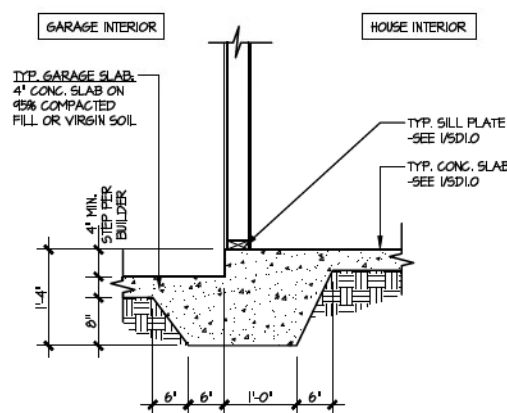
FOUNDATION DETAILS
DRAYTON
RALEIGH, NC



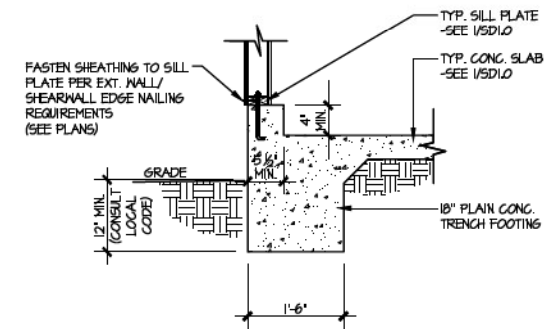
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



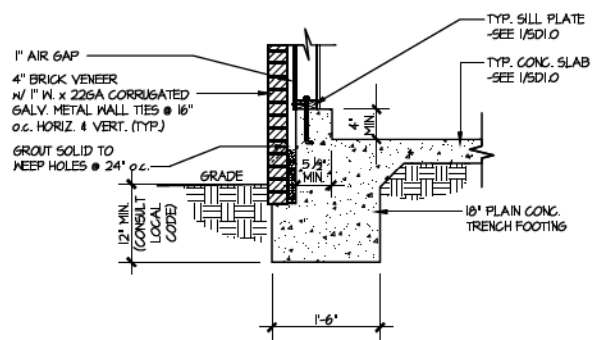
2 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0" W/ BRICK VENEER



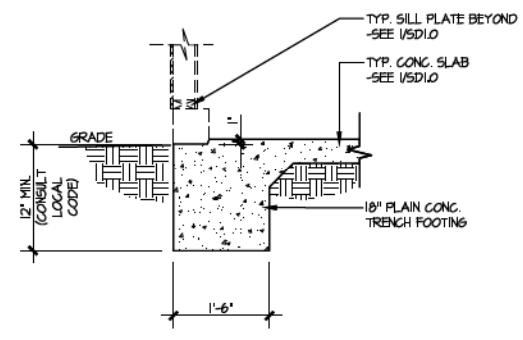
3 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING
SCALE: 3/8"=1'-0"



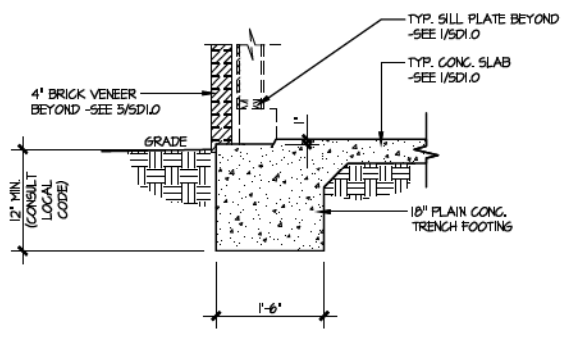
4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



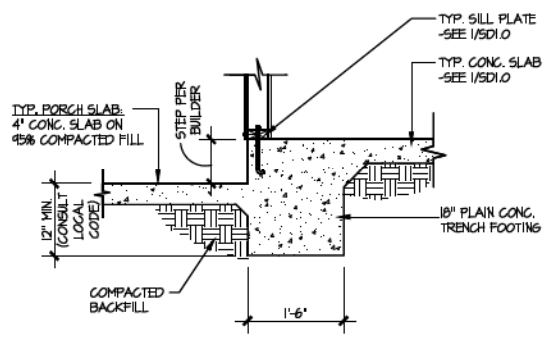
5 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0" W/ BRICK VENEER



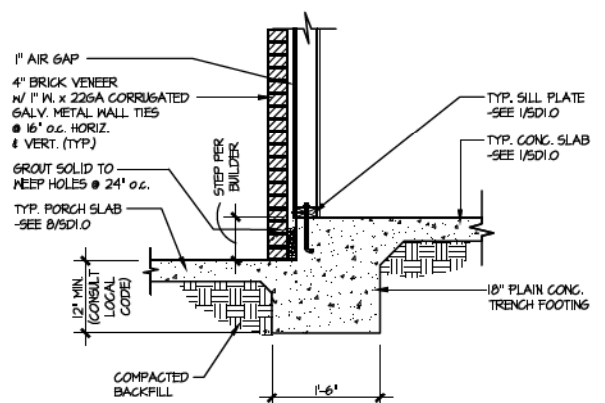
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



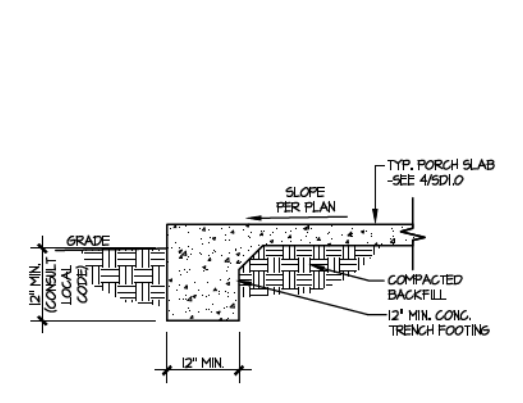
7 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0" W/ BRICK VENEER



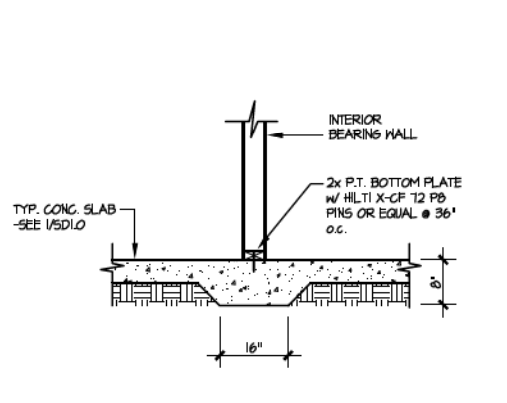
8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0"



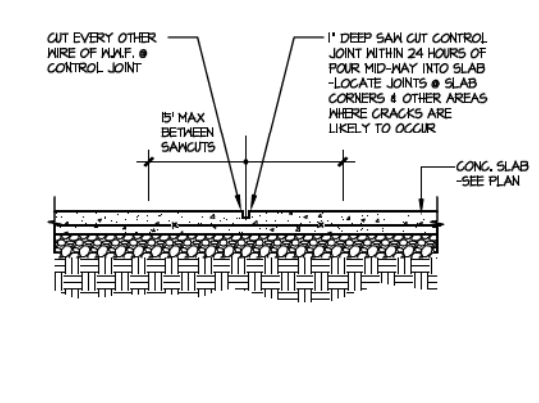
9 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0" W/ BRICK VENEER



10 TYPICAL FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"

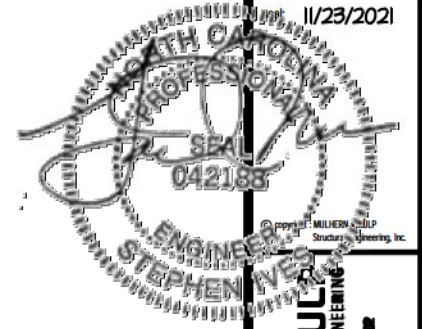


11 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
SCALE: 3/8"=1'-0"



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

FILE: RH - Drayton - Structural DATE: 11/23/2021 11:16 AM



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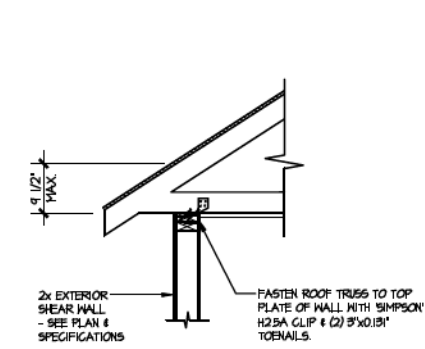
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project mgr: JTR
drawn by: KL
issue date: 06-12-21

REVISIONS:
date: initial

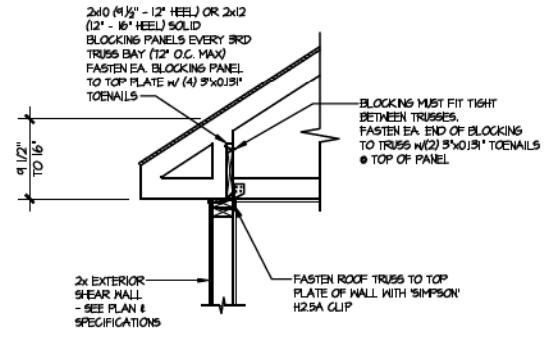


FRAMING DETAILS
DRAYTON
RALEIGH, NC

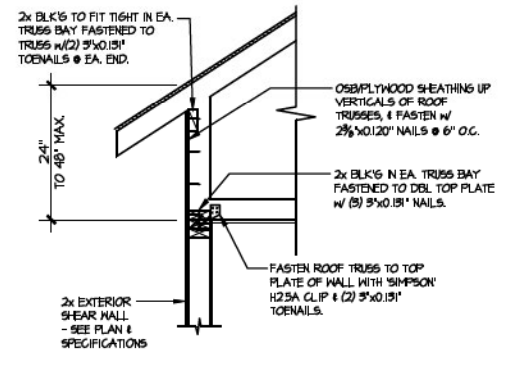
SHEET
SD2.0J



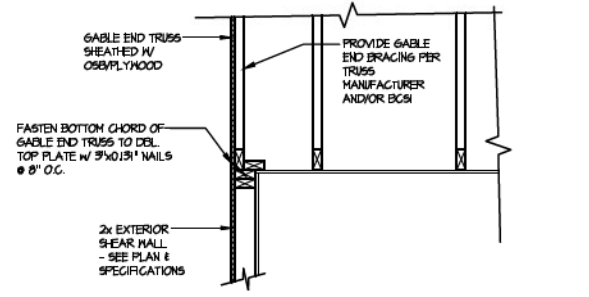
A1 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 4 1/2'
NO BLOCKING REQ'D



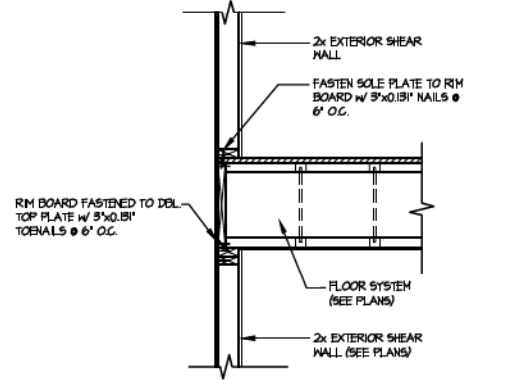
A2 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 4 1/2' - 16'
BLOCKING REQ'D



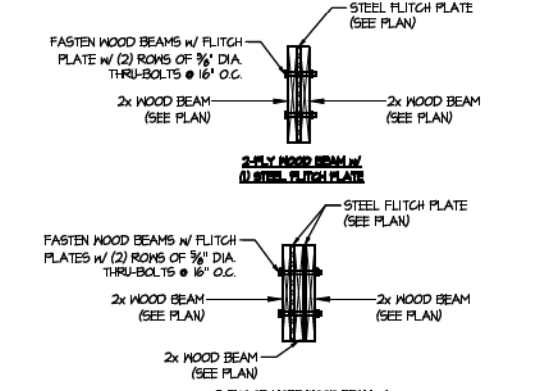
A3 TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48' MAX.



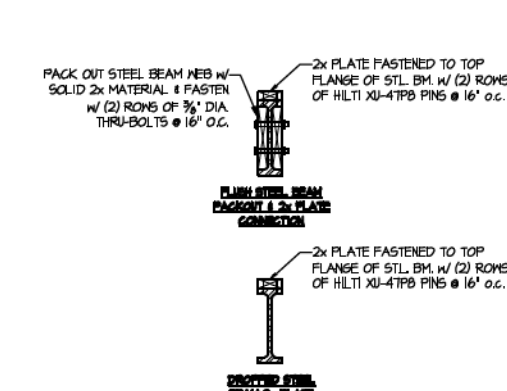
B TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



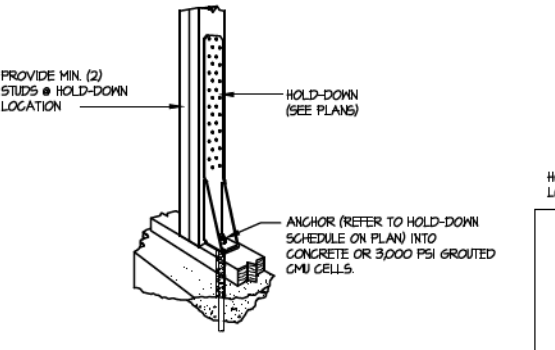
C TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"



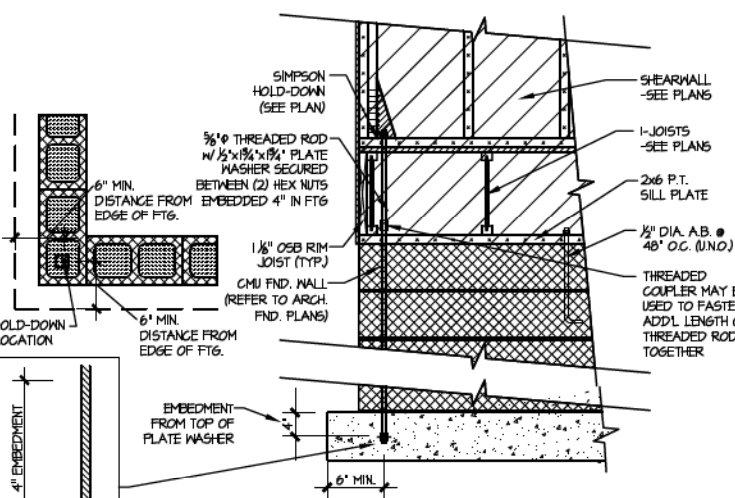
D TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



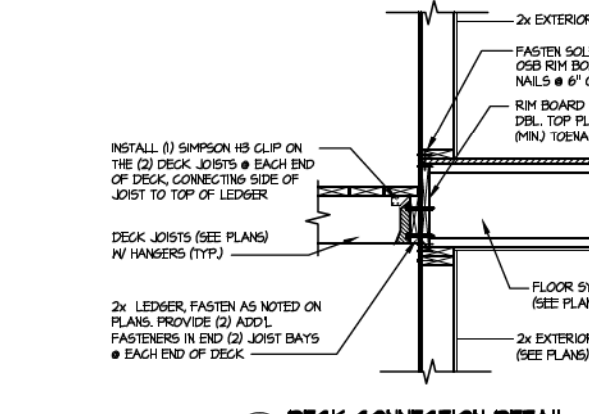
E TYPICAL STEEL BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



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

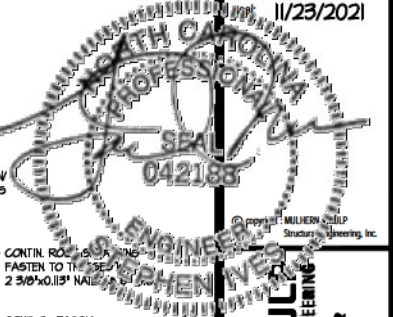


F2 TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION
SCALE: N.T.S. (CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)



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

FILE: RH - Drayton - Structural DATE: 11/23/2021 11:18 AM

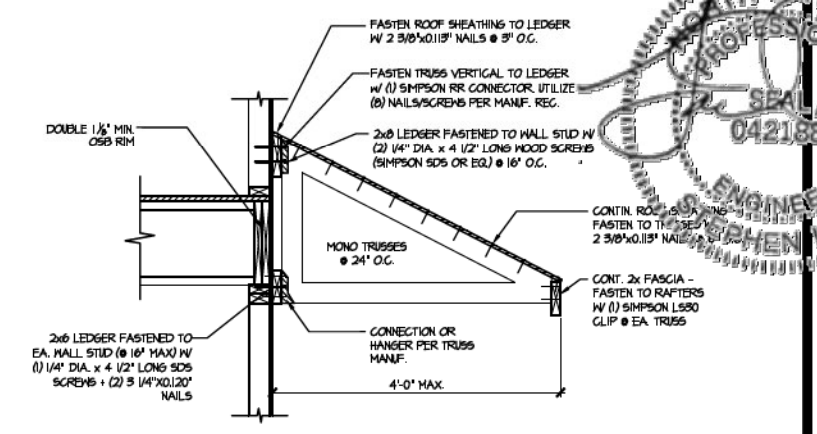


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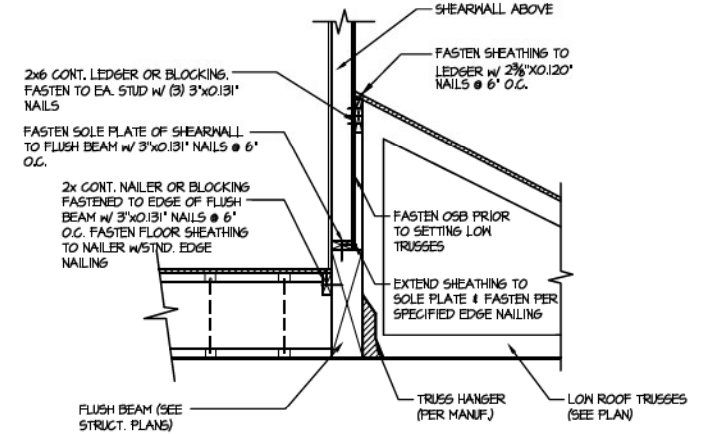
MAX project number:
126-21020
project mgr: JTR
drawn by: KL
issue date: 06-12-21
REVISIONS:
date: initial



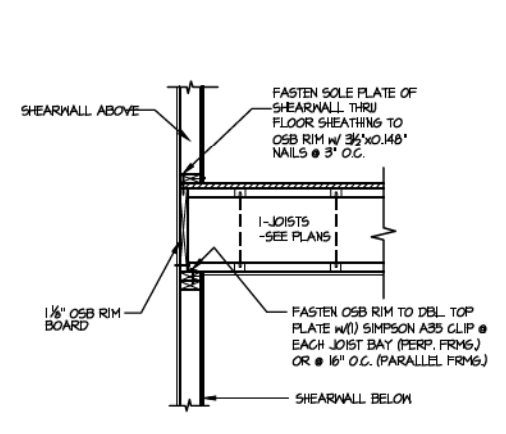
FRAMING DETAILS
DRAYTON
RALEIGH, NC



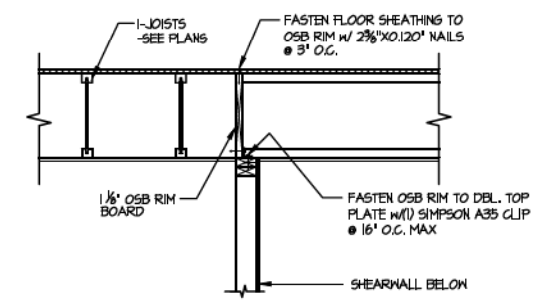
4 **DETAIL @ SHED ROOF**
SCALE: 3/8"=1'-0"



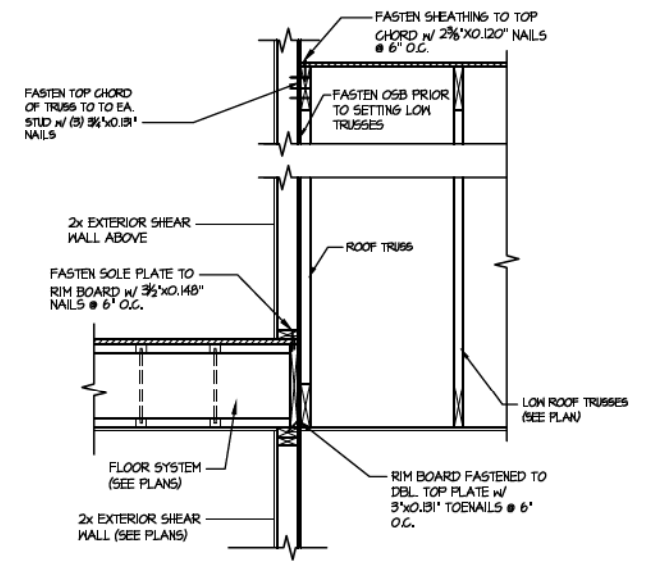
3 **EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



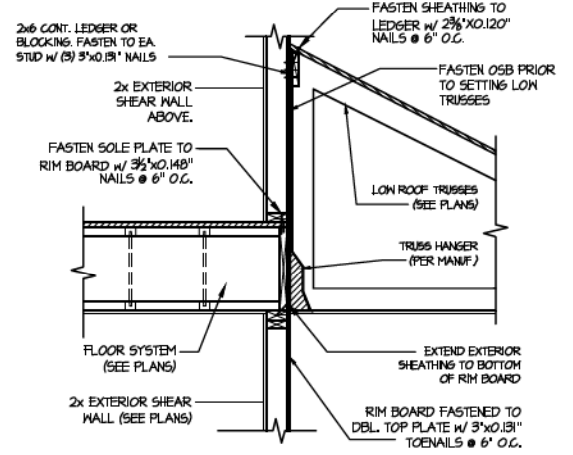
2 **SHEARWALL ABOVE & BELOW**
SCALE: 3/4"=1'-0"



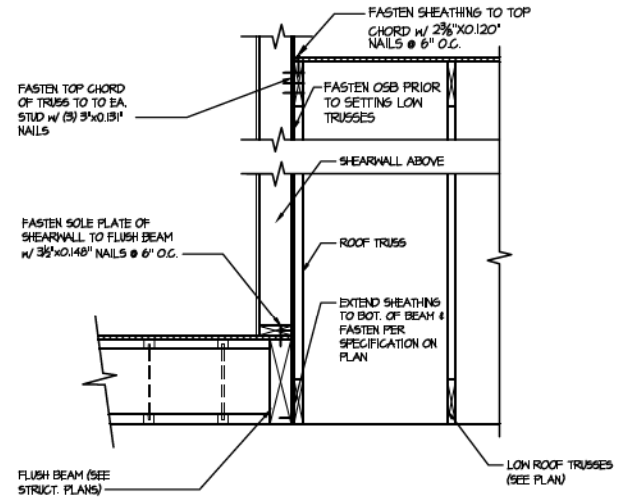
1 **INTERIOR SHEARWALL BELOW**
SCALE: 3/4"=1'-0"



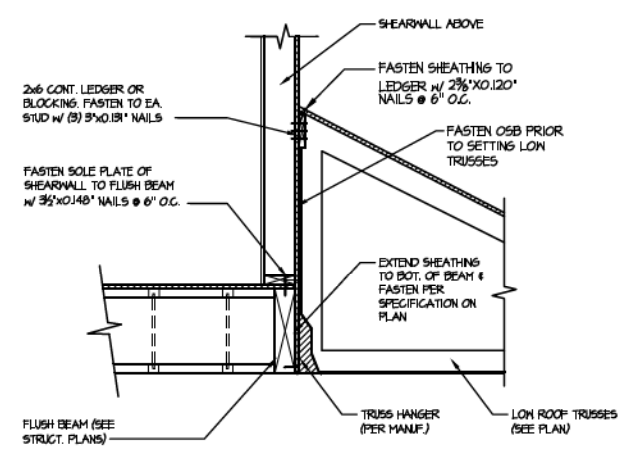
8 **TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



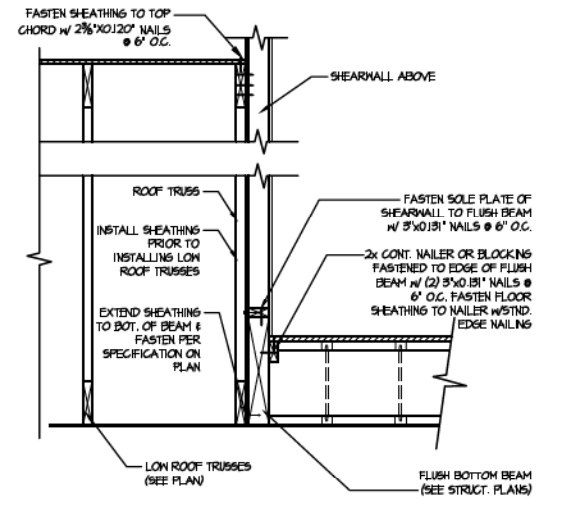
7 **TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL**
SCALE: 3/4"=1'-0"



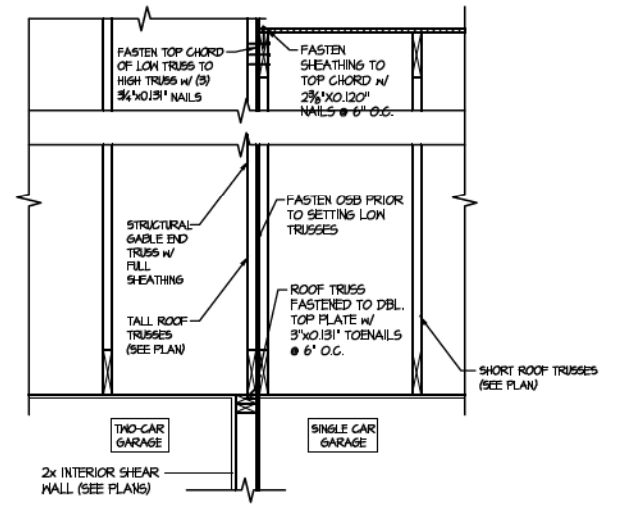
6 **SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



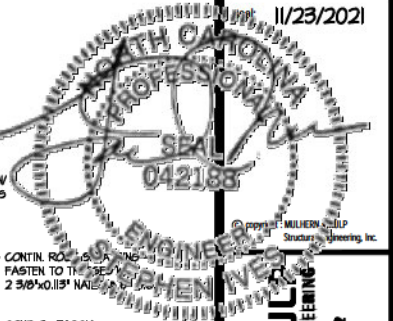
5 **SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE**
SCALE: 3/4"=1'-0"



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



9 **TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS**
SCALE: 3/4"=1'-0"



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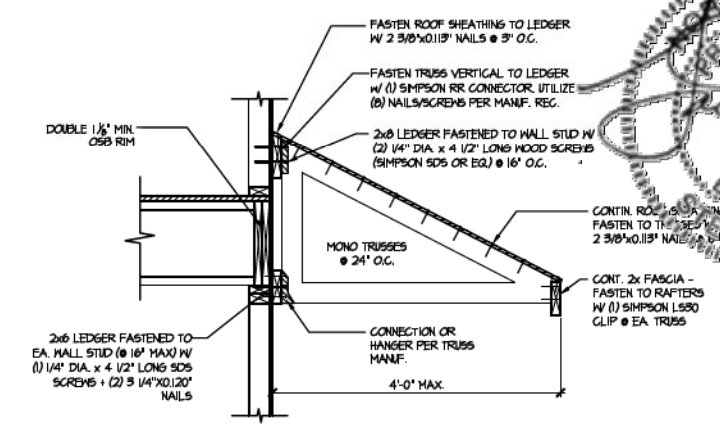
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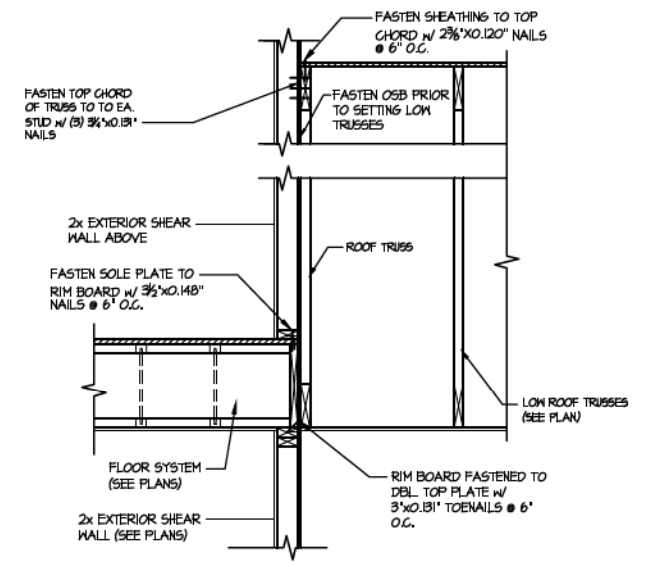


FRAMING DETAILS
DRAYTON
RALEIGH, NC

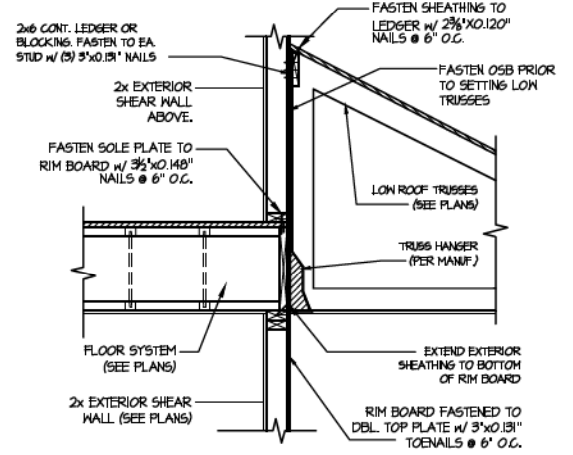
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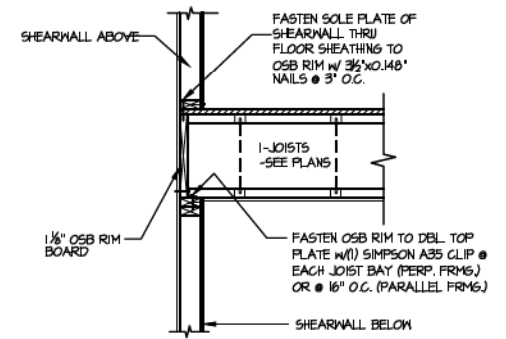
4 DETAIL @ SHED ROOF
SCALE: 3/8"=1'-0"



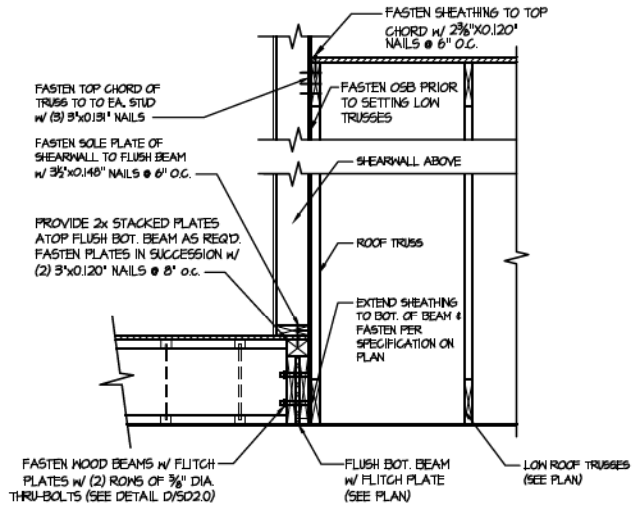
8 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



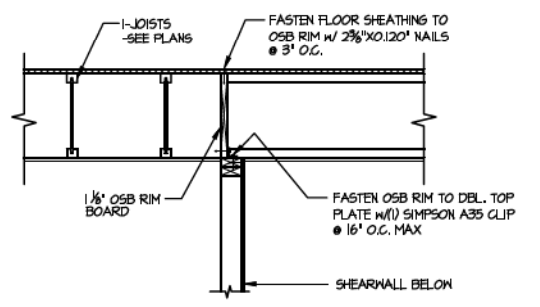
7 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



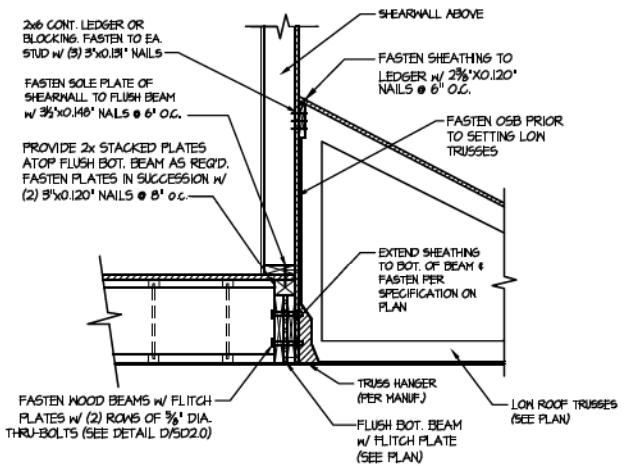
2 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0"



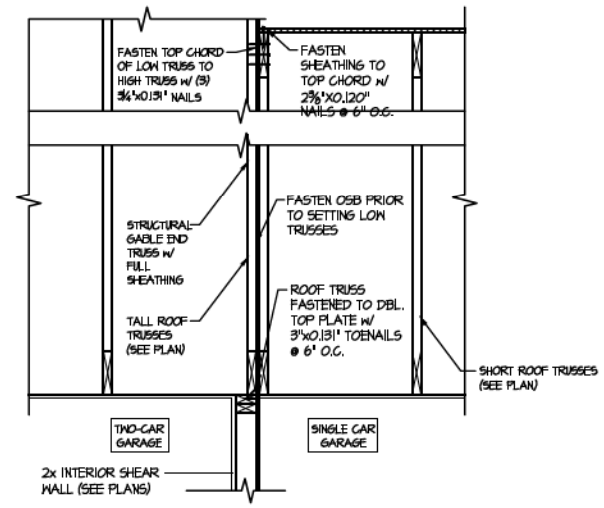
6 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



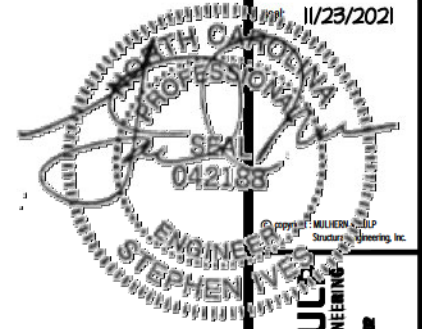
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"



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



9 TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS
SCALE: 3/4"=1'-0"



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126-21020

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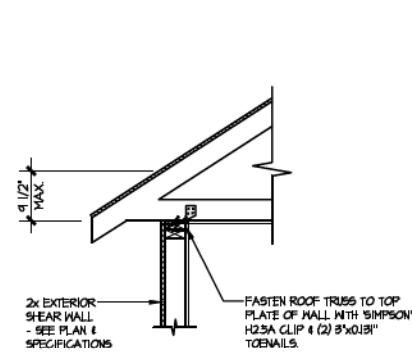
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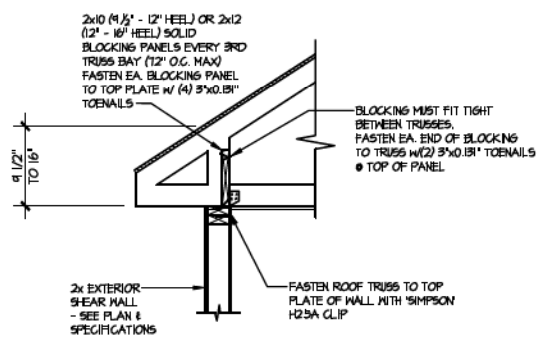
FRAMING DETAILS
DRAYTON
RALEIGH, NC

SHEET

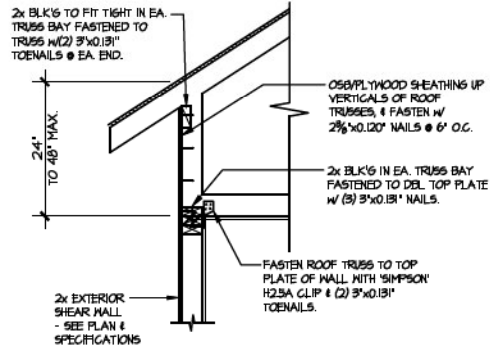
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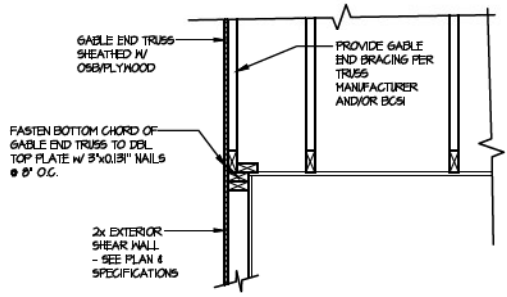
A1 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 4 1/2"
NO BLOCKING REQ'D



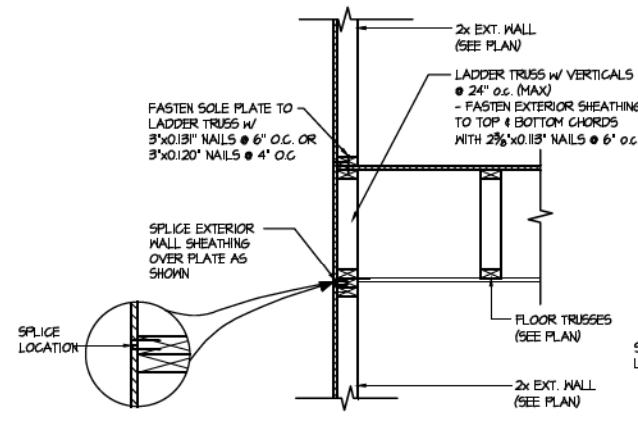
A2 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 4 1/2" - 16"
BLOCKING REQ'D



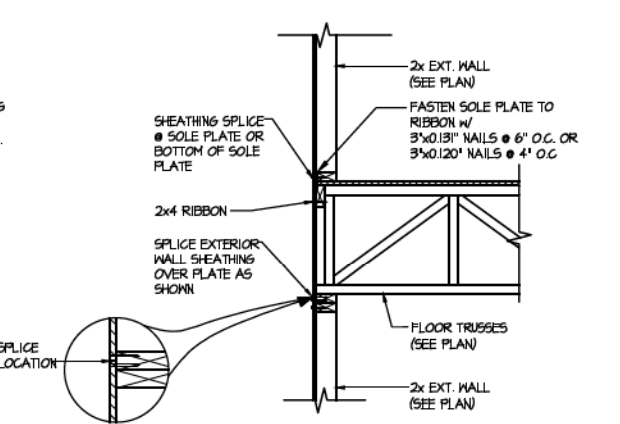
A3 TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



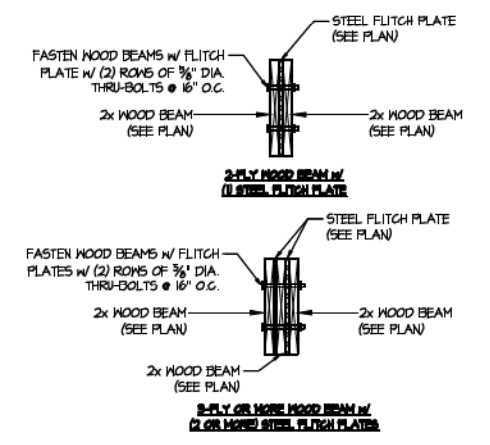
B TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



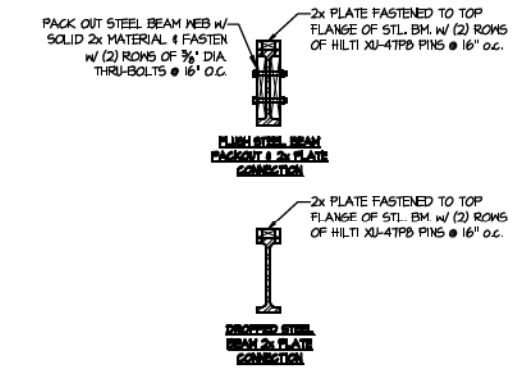
C1 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PARALLEL TRUSS



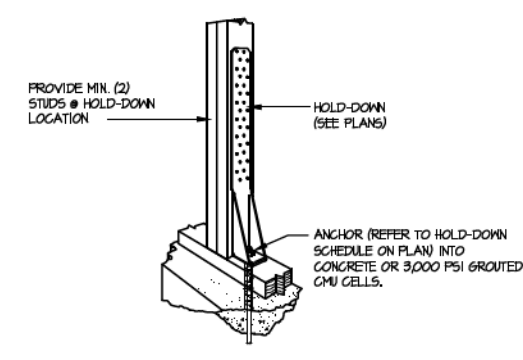
C2 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PERPENDICULAR TRUSS



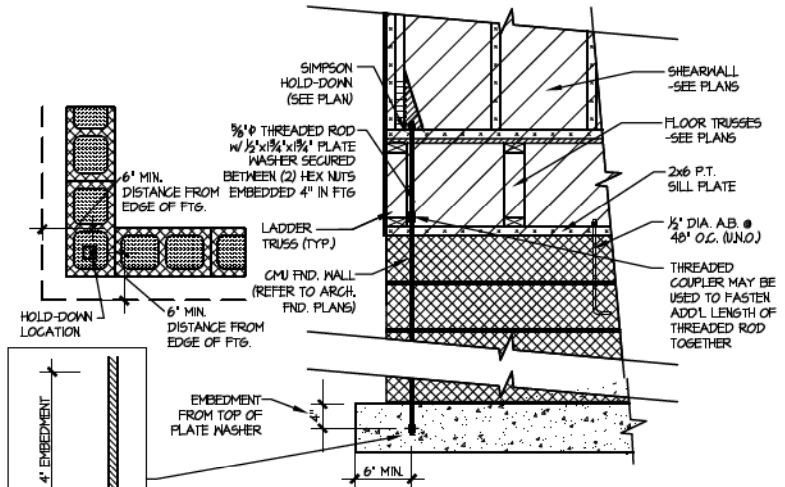
D TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



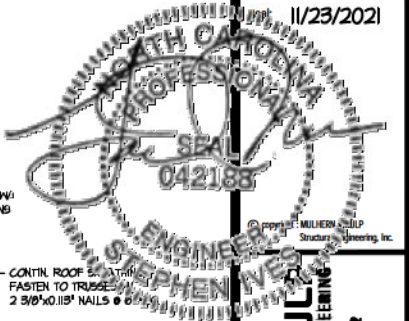
E TYPICAL STEEL BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



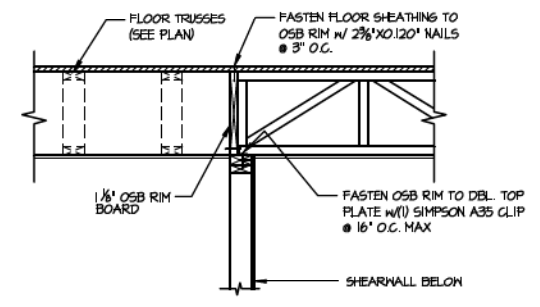
F1 TYPICAL HOLD DOWN INSTALLATION
SCALE: N.T.S.



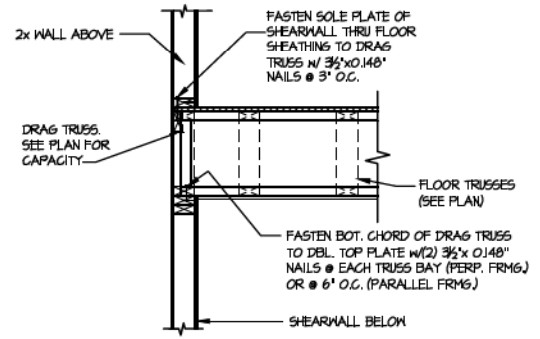
F2 TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION
SCALE: N.T.S.
(CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)



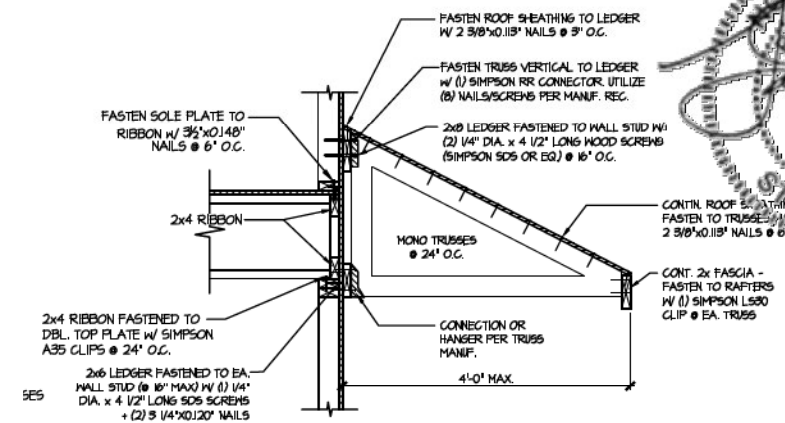
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RESIDENTIAL STRUCTURAL ENGINEERING
3000 Shiloh Ave. Building 1 - Raleigh, NC 27612
919.876.8888 - mulhern@mulhernk.com
N.C. #0-3025



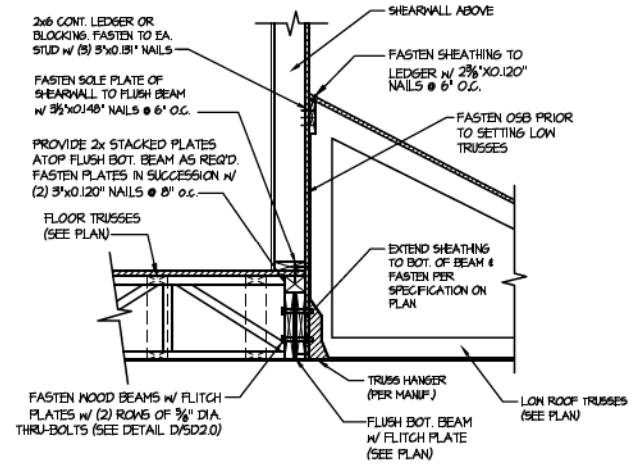
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" PARALLEL FRAMING



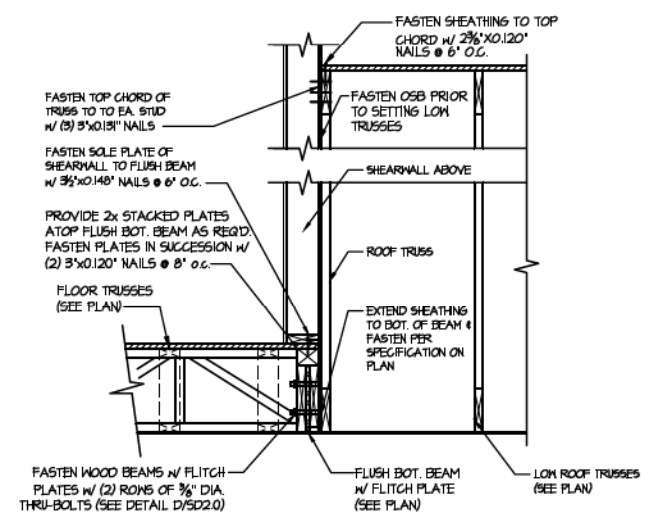
2 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0" EDGE OF FRAMING



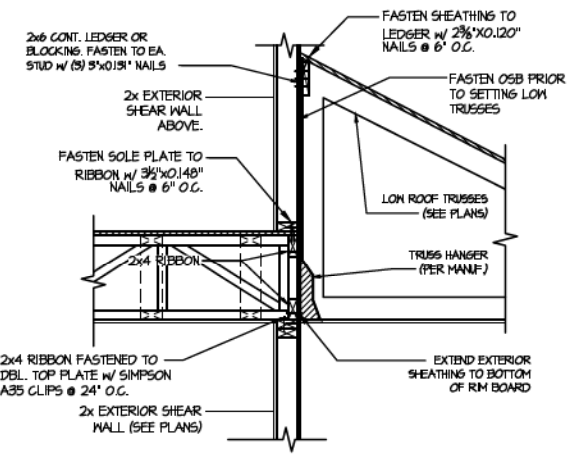
4 DETAIL @ SHED ROOF
SCALE: 3/8"=1'-0"



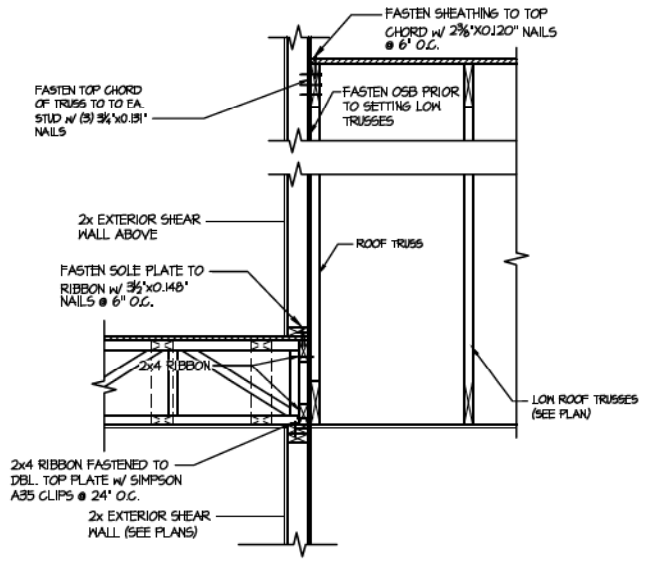
5 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



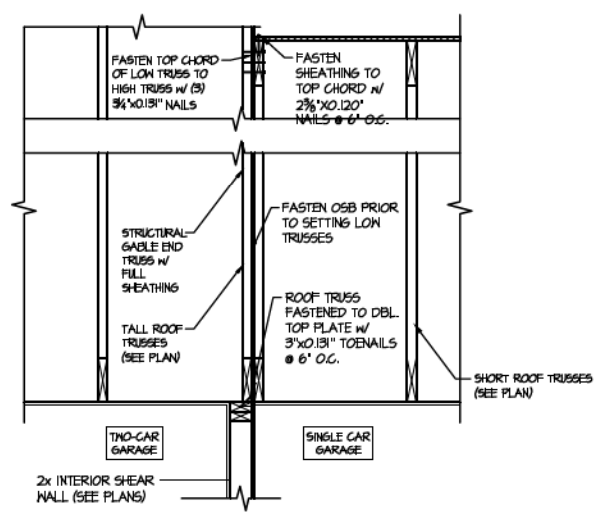
6 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



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



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



9 TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS
SCALE: 3/4"=1'-0"

FILE: RH - Drayton - Structural DATE: 11/23/2021 11:19 AM

MAX project number:
126-21020

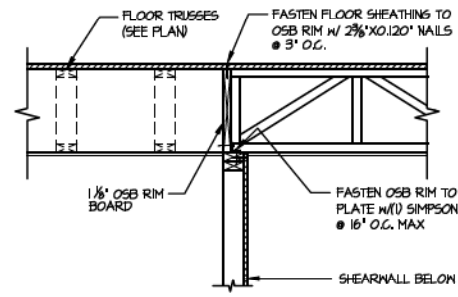
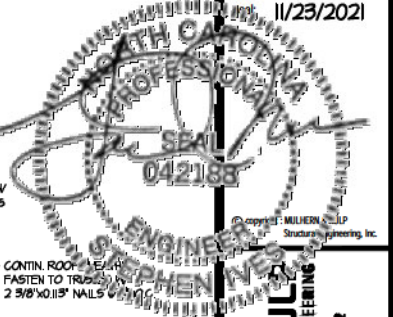
project mgr: JTR
drawn by: KL
issue date: 06-12-21

REVISIONS:
date: initial

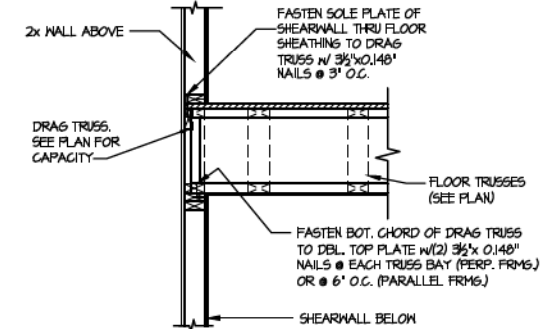


FRAMING DETAILS
DRAYTON
RALEIGH, NC

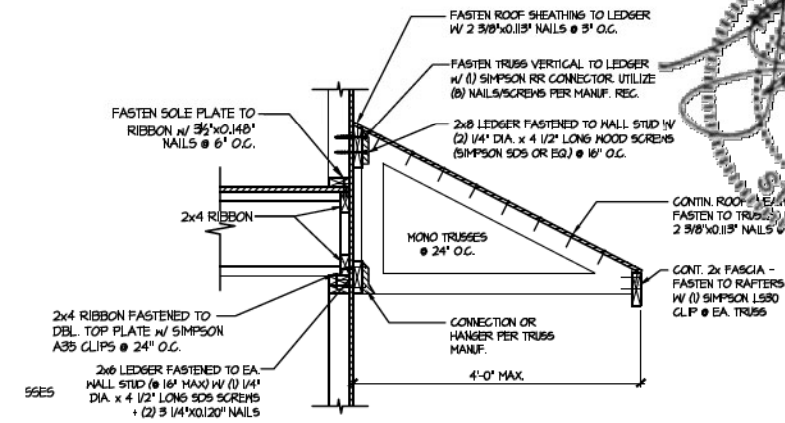
SHEET
SD2.1BT



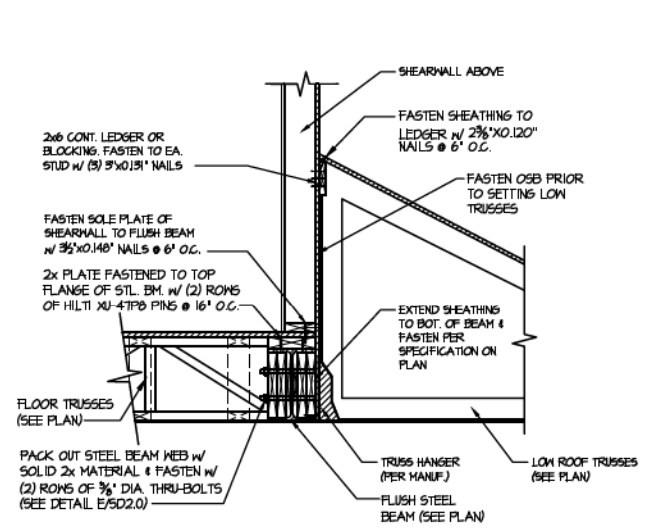
1 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"
PARALLEL FRAMING



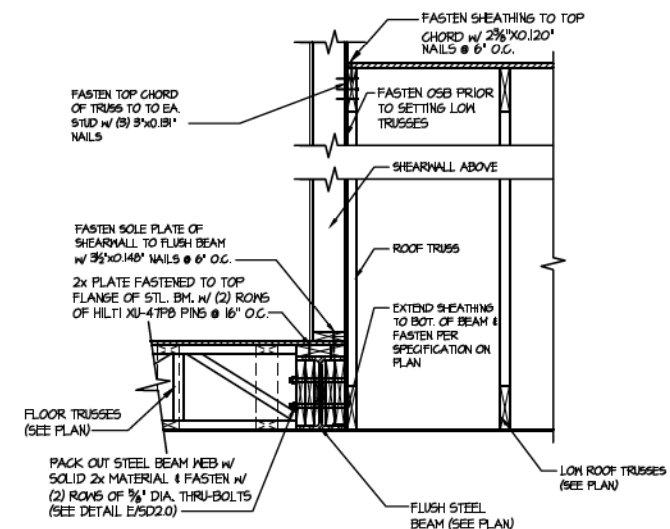
2 SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW
SCALE: 3/4"=1'-0"
EDGE OF FRAMING



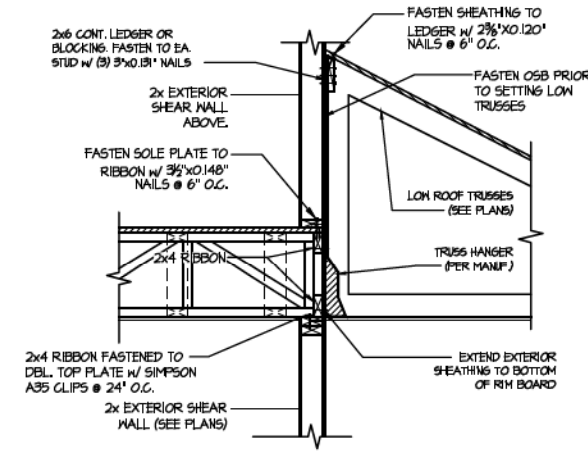
4 DETAIL @ SHED ROOF
SCALE: 3/8"=1'-0"



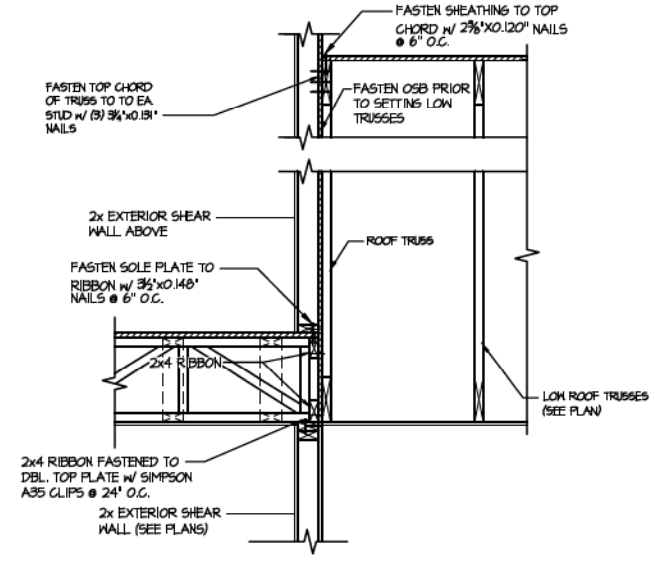
5 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



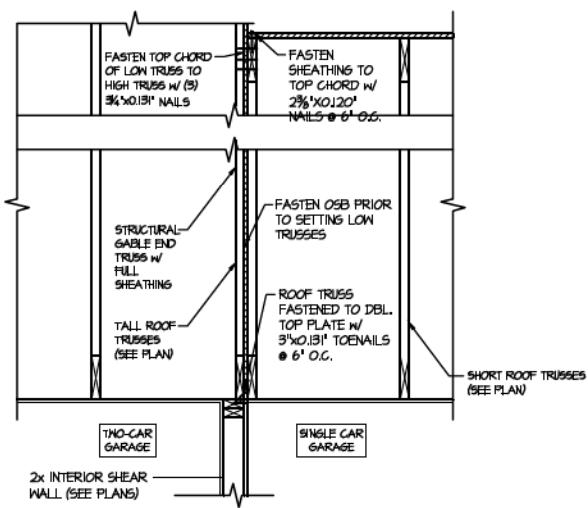
6 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



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



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



9 TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS
SCALE: 3/4"=1'-0"

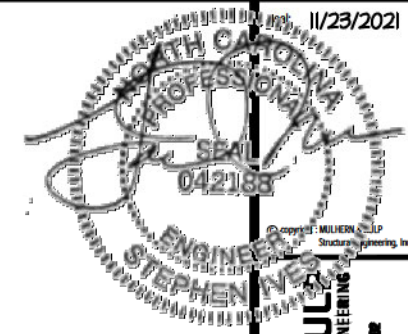
MULHERN+KULP
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3800 Shiloh Ave., Raleigh, NC 27612
919.876.8888
N.C. #3325

MAX project number:
126-21020
project mgr: JTR
drawn by: KL
issue date: 06-12-21

REVISIONS:
date: initial



FRAMING DETAILS
DRAYTON
RALEIGH, NC



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 919.876.8888 - mulhern@mulhernkull.com
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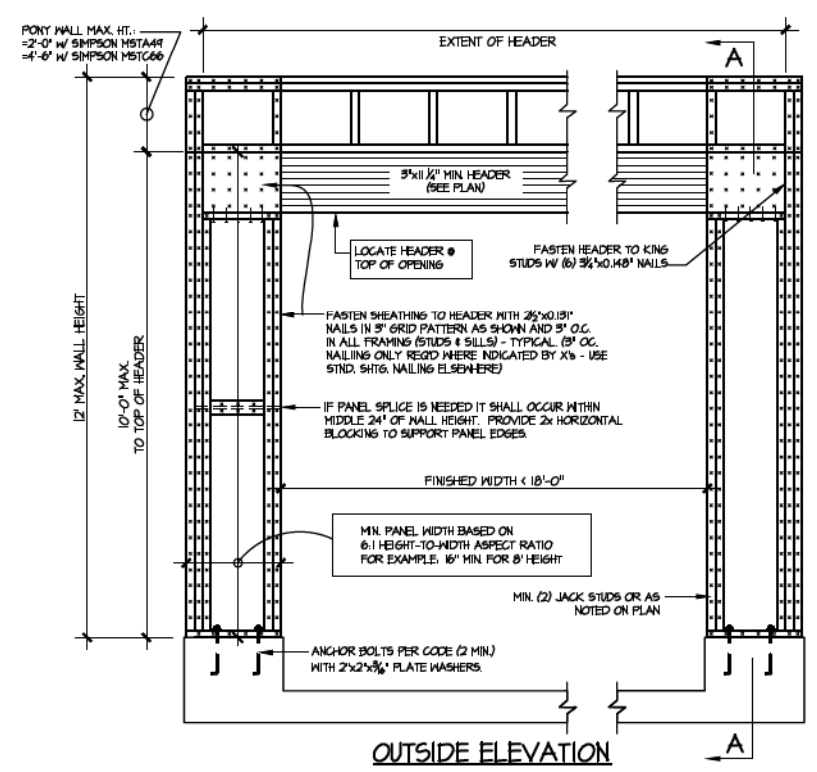
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 drawn by: KL
 issue date: 06-12-21

REVISIONS:
 date: initial

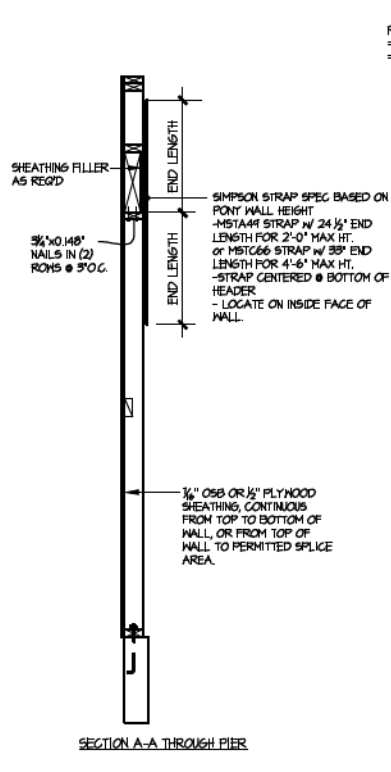


FRAMING DETAILS
 DRAYTON
 RALEIGH, NC

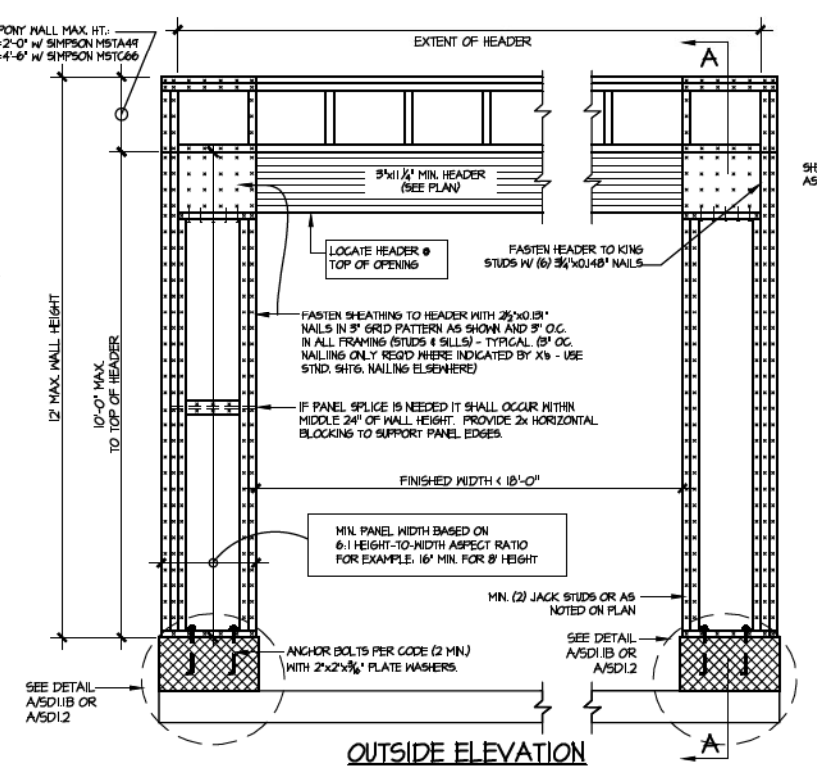
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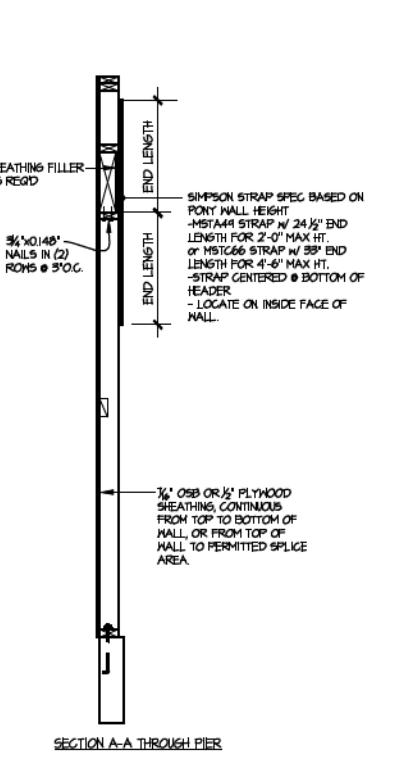
OUTSIDE ELEVATION



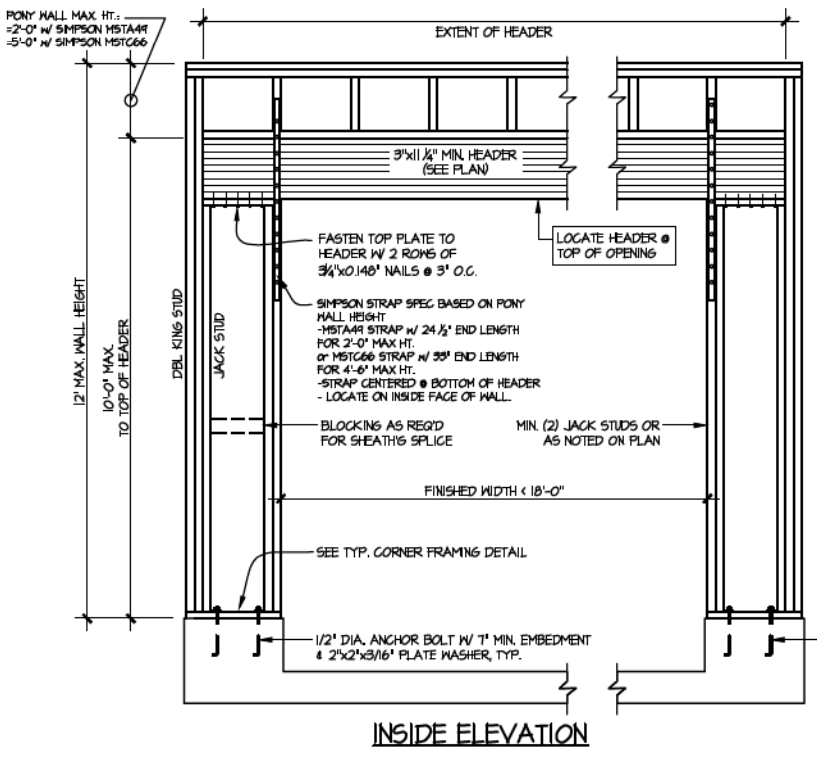
SECTION A-A THROUGH PIER



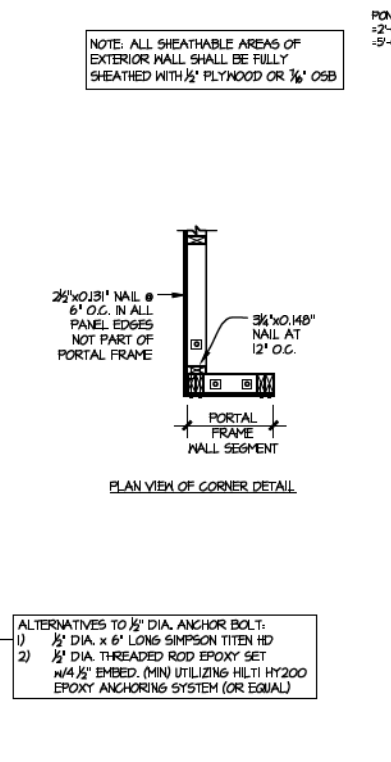
OUTSIDE ELEVATION



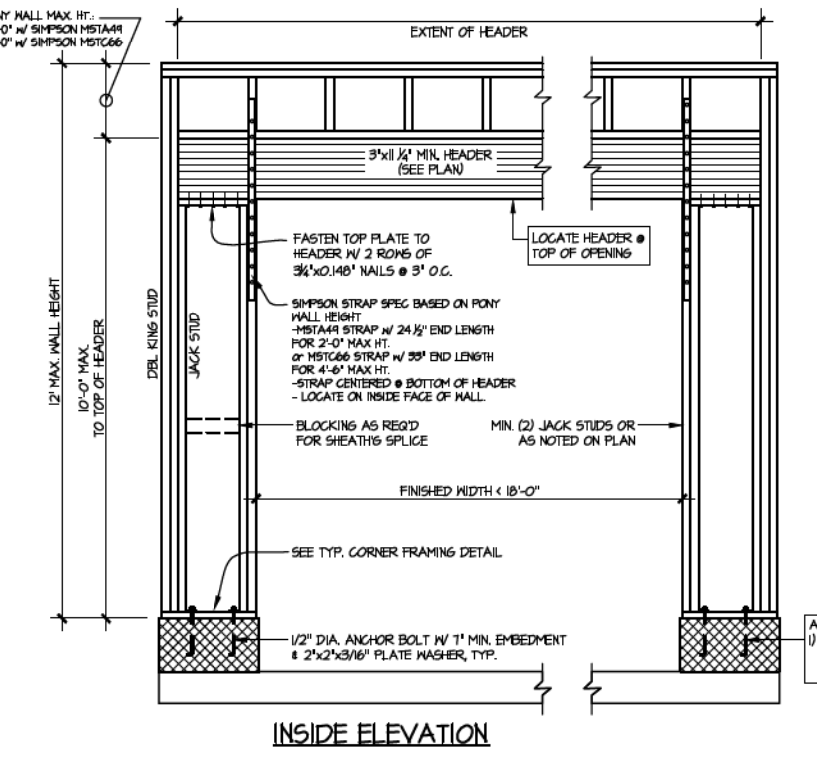
SECTION A-A THROUGH PIER



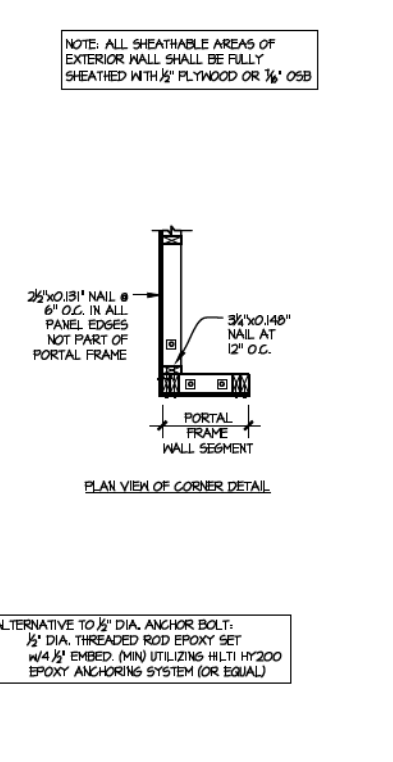
INSIDE ELEVATION



PLAN VIEW OF CORNER DETAIL



INSIDE ELEVATION



PLAN VIEW OF CORNER DETAIL

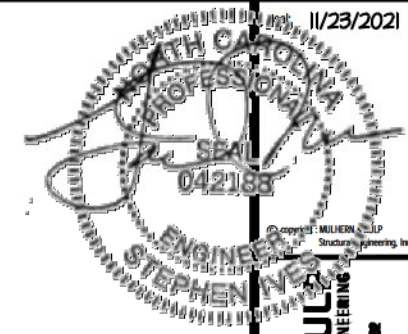
1 TWO SIDED GARAGE PORTAL FRAME BRACING ELEVATION ON CONCRETE STEM
 SCALE: N.T.S.

2 TWO SIDED GARAGE PORTAL FRAME BRACING ELEVATION ON CMU STEM
 SCALE: N.T.S.

ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:
 1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD
 2) 1/2" DIA. THREADED ROD EPOXY SET
 W/ 4 1/2" EMBED. (MIN) UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

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

FILE: RH - Drayton - Structural DATE: 11/23/2021 11:20 AM

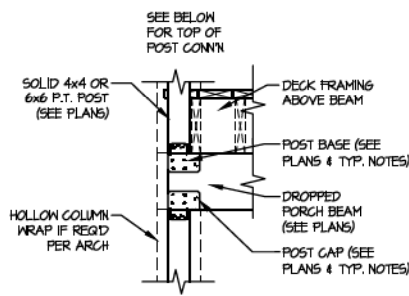


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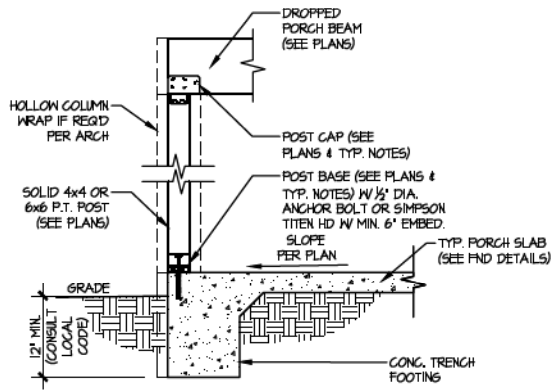


M&K project number:
 126-21020
 project mgr: JTR
 drawn by: KL
 issue date: 06-12-21

REVISIONS:	
date:	initial:



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



**TYPICAL PORCH
 POST CONNECTION DETAIL**

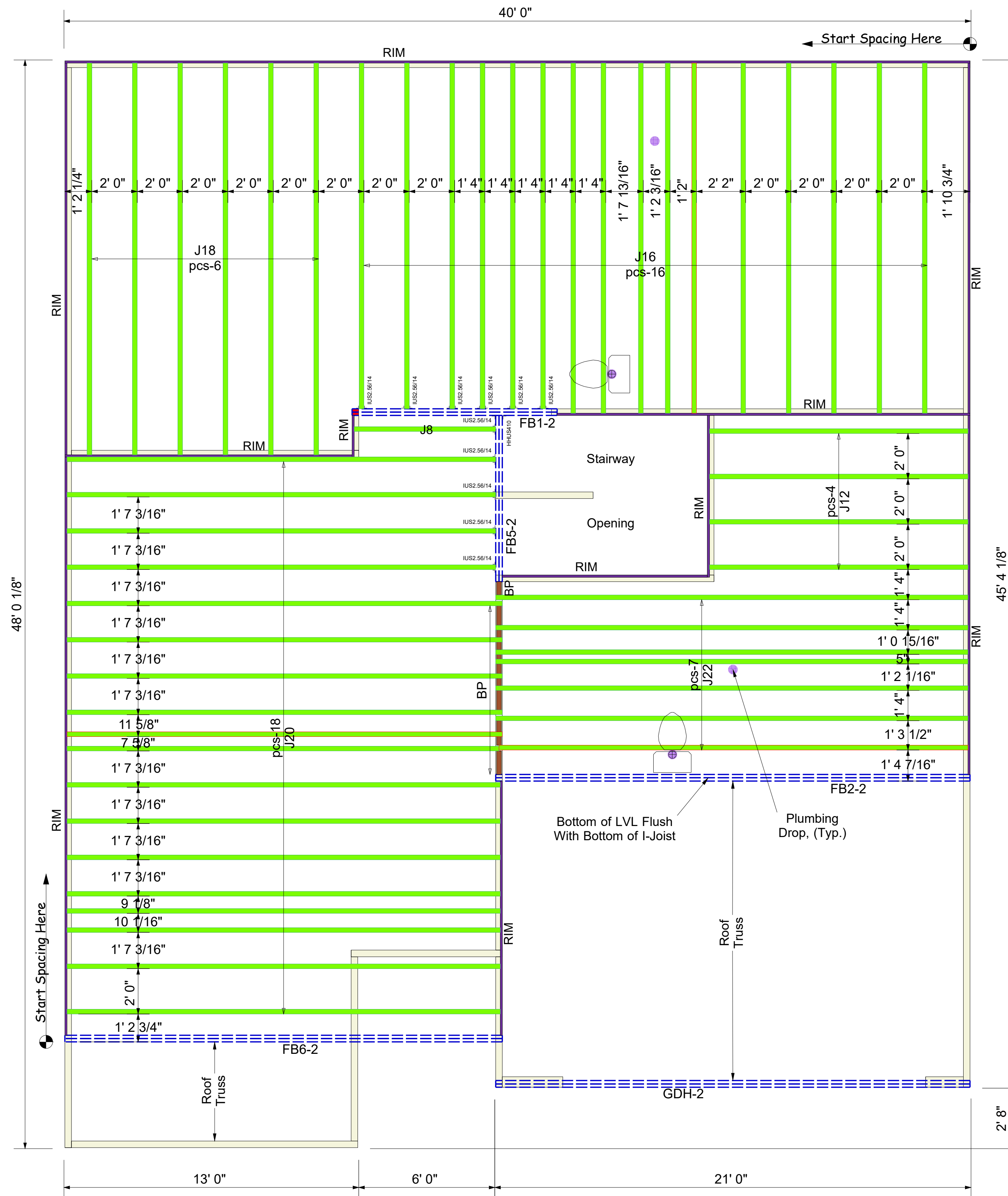
SCALE: NONE
 SLAB ON GRADE SHOWN (S.M. @ GRAVE & BENT.)

FRAMING DETAILS
 DRAYTON
 RALEIGH, NC

SD3.0

General Notes: ** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

** LVL AND JOISTS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.



Connector Summary

Qty	Manuf	Product
1	Simpson	HHUS410
11	Simpson	IUS2.56/14

Products

PlotID	Length	Product	Piles	Net Qty	Fab Type
J22	22' 0"	14" PJI-40	1	7	MFD
J20	20' 0"	14" PJI-40	1	18	MFD
J18	18' 0"	14" PJI-40	1	6	MFD
J16	16' 0"	14" PJI-40	1	16	MFD
J12	12' 0"	14" PJI-40	1	4	MFD
J8	8' 0"	14" PJI-40	1	1	MFD
GDH-2	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 11-7/8	2	2	FF
FB6-2	20' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF
FB1-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF
FB5-2	8' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF
FB2-2	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 20	2	2	FF
RIM	12' 0"	1 1/8" x 14" APA Rim Board	1	15	FF
BP	2' 0"	14" PJI-40	1	3	FF

Revisions

Date	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

This is an I-Joist Placement Plan Only. All designs of I-Joist follow the IBC/IRC Code Requirements along with Manufacturer's guidelines. This is NOT an engineered placement plan. This placement plan is created from plans provided by the customer using Manufacturer's guidelines. It is the responsibility of the EOR, or builder to review and approve all bearing conditions, connections, spans, loading, product usage, and quantities. Do not notch or drill holes in beams or flanges on joists without prior approval from the manufacturing Representative unless following hole guidelines in the installation guide of product. Builder takes full responsibility for doing so and NO Back charge will be accepted.

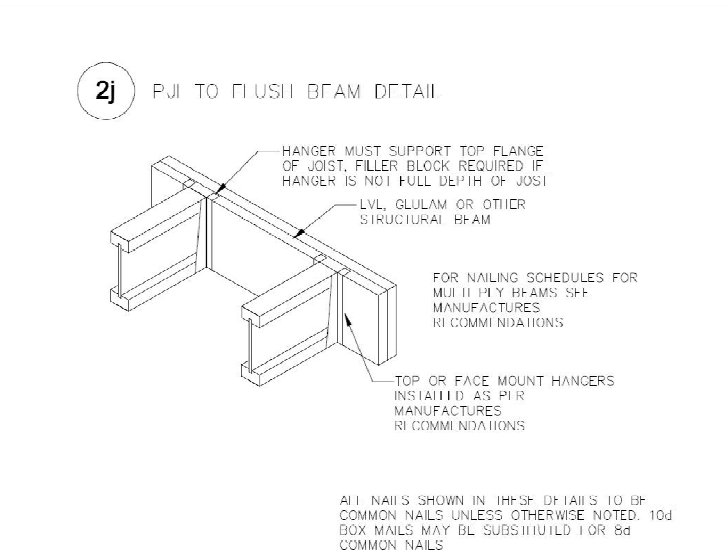
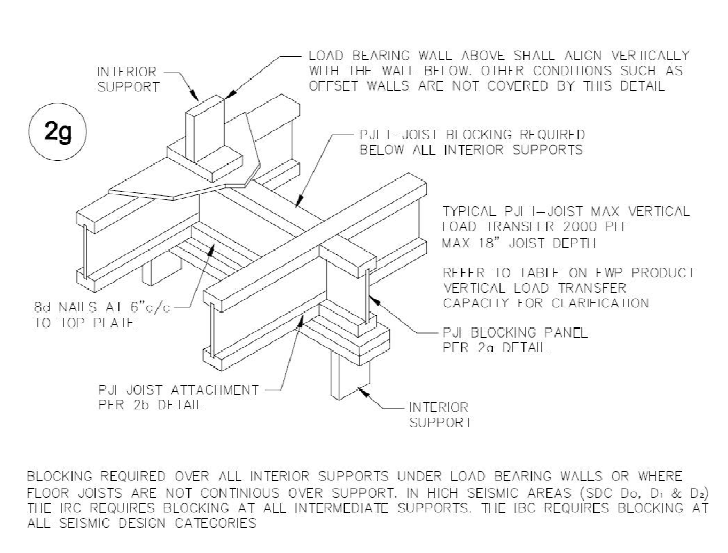
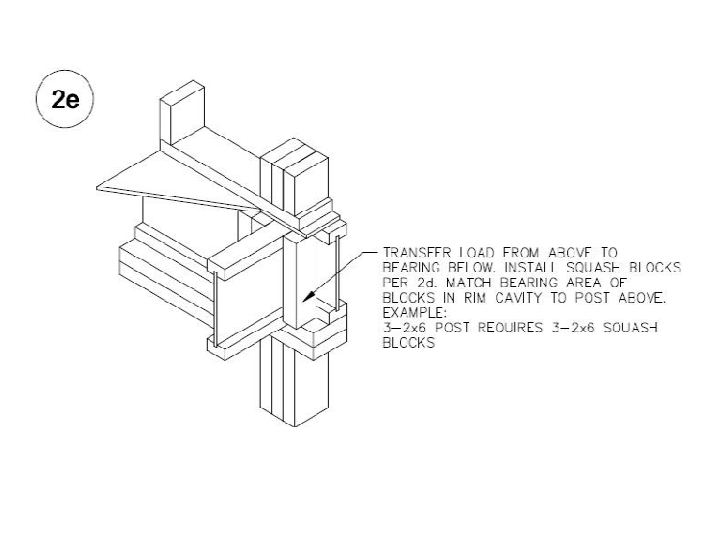
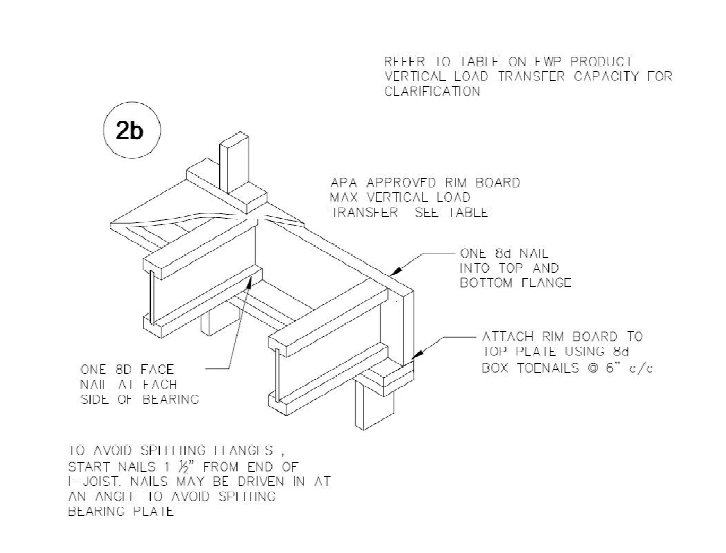


DRB Homes NC LLC
 92 Farm at Neills Creek
 (Drayton 2-GRFE)
**2nd FLOOR I-JOIST
 PLACEMENT PLAN**

Scale: NTS
 Date: 09.30.2022
 Designer: RKW
 Project Number: 22090051
 Sheet Number:

1 of 1

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. ** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. ** DAMAGED FLOOR JOISTS SHOULD NOT BE INSTALLED UNLESS APPROVED BY COMPONENT PLANT. **



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

** ALL POINT LOADS FROM ABOVE MUST BE TRANSFERRED TO BEARING FROM UNDER SIDE OF SHEATHING.

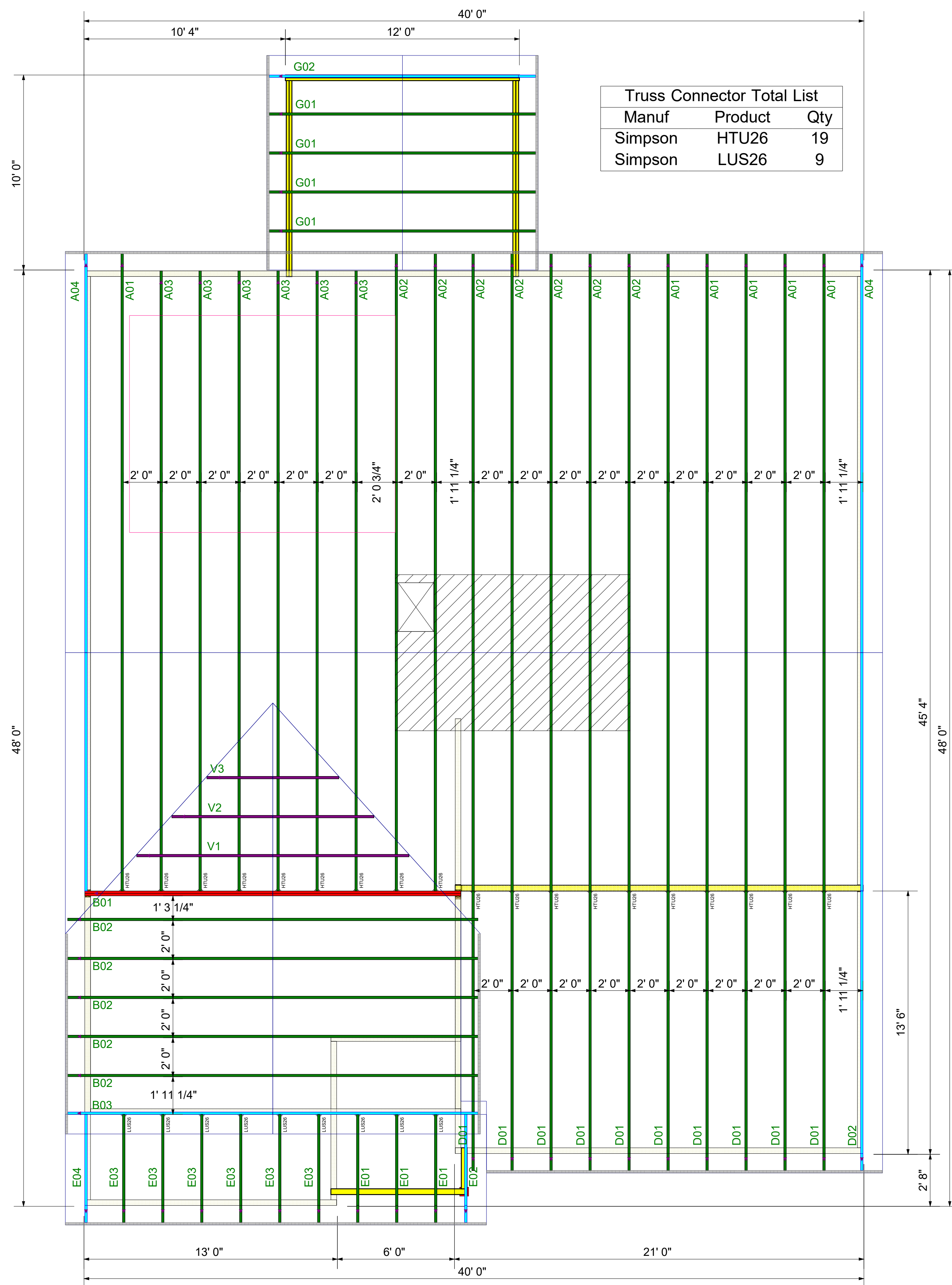
** REFER TO INSTALLATION GUIDE FOR PLY TO PLY CONNECTIONS.

FB# - Flush Beam
 DB# - Dropped Beam

General Notes:

** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.



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

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.



DRB HOMES NC
 DRAYTON 2 - 92 FaNC
COMPONENT PLAN

Scale: NTS
 Date: 10/5/2022
 Designer: ND
 Project Number: 22090051
 Sheet Number:

1/1

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. ** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE. ** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT. ** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.

