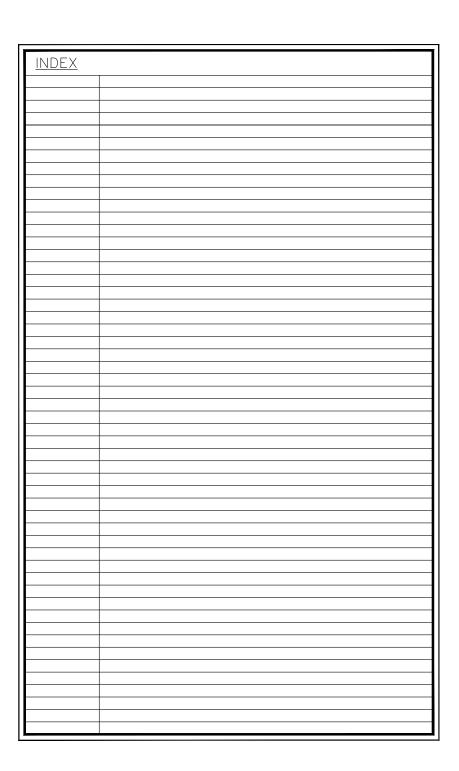
DRAYTON-RALE

RALEIGH- LOT 00.0077 THE FARM AT NEILL'S CREEK

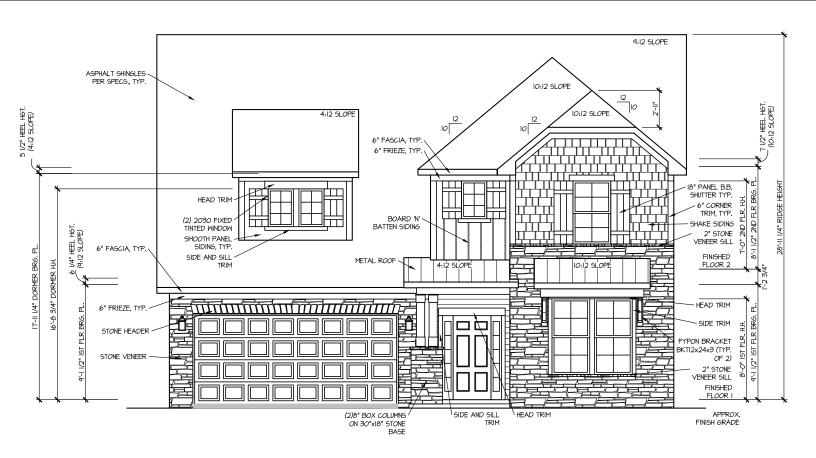
(MODEL# 2695) ELEVATION 5 - GL 227 WINDING CREEK DRIVE





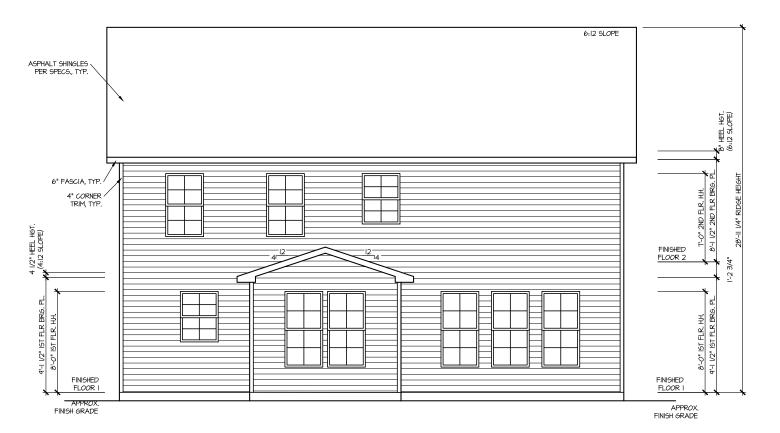
AREA CALCULATIONS		COVERED /	
ELEVATION 5	HEATED	UNHEATED	UNCOVERED
FIRST FLOOR	1266 SF		
GARAGE		547 SF	
FRONT PORCH — ELEVATION 5		55 SF	
SECOND FLOOR	1491 SF		
OPTIONS			
EXTENDED BREAKFAST	120 SF		
TOTAL	2877 SF	602 SF	

LOT	SPECIFIC	
1		THE FARM AT NEILL'S CREEK
	LOT 00.0077	DRAYTON REV. RALE 2 ELEVATION 5
2	ADDRESS	227 WINDING CREEK DR LILLINGTON, NC 27546
	ADDITESS	227 WINDING CICER DIC ELEUNGTON, NO 270+0
-		
—		
-		
1		
\vdash		
	1	



FRONT ELEVATION 5

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



REAR ELEVATION 5





UPDATED [2-17-22

DRAWN BY:

DATE: 05/27/2022 PLAN NO. 2695

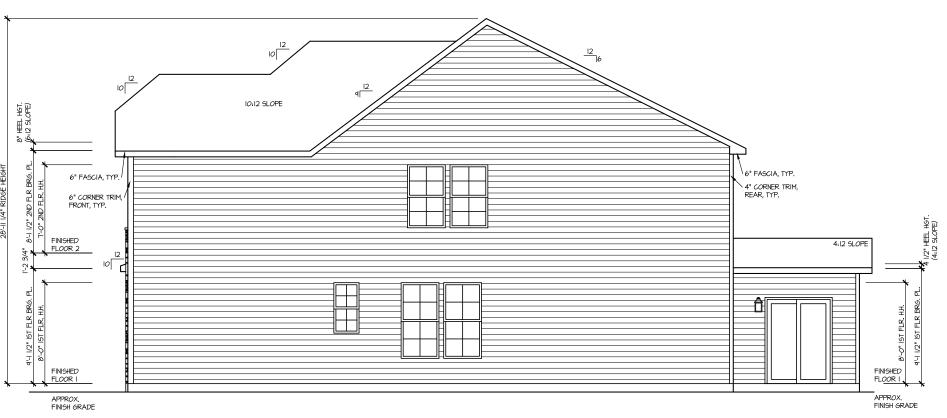
FRONT & REAR ELEVATIONS

HOUSE NAME:

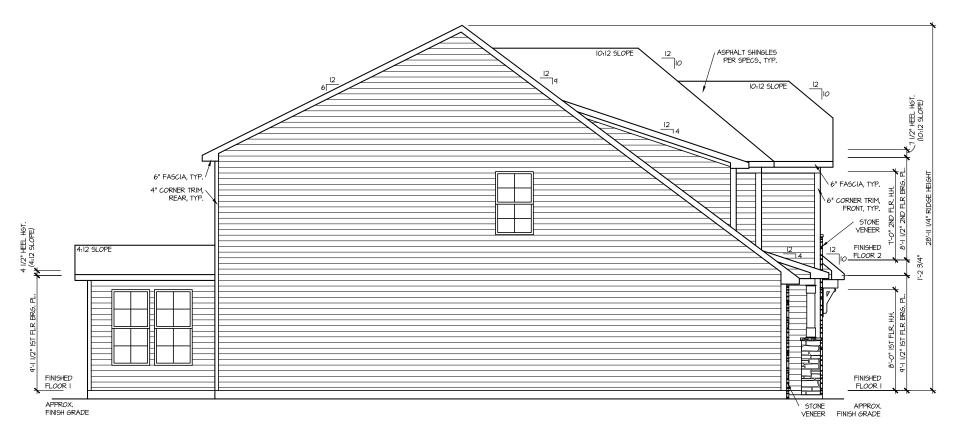
DRAYTON

DRAWING TITLE

SHEET No.



RIGHT ELEVATION 5



LEFT ELEVATION 5
SCALE: 1/8" = 1'-0"



SHEET No.

HOUSE NAME:

DRAYTON

DRAWING TITLE

RIGHT & LEFT ELEVATIONS

UPDATED DATE 2-17-22

DATE: 05/27/2022

PLAN NO. 2695



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 RD5)

71 LINEAR FEET OF SOFFIT X 5.7 5Q, IN. = 3.05 SQ, FT,

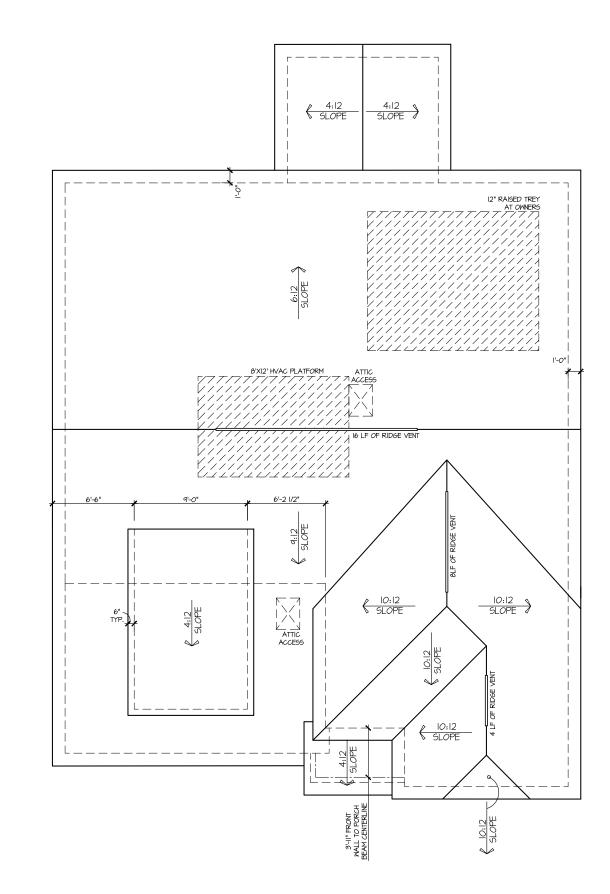
UPPER VENTING: (TOP I/3 RD)

26 LINEAR FEET OF RIDGE X I8 SQ, IN = 3.5 SQ, FT,

3.5 SQ, FT, BETWEEN 50% - 80%

(I TO 300 ALLOWED)

TOTAL ROOF VENTILATION: 6.55 SQ, FT, > 6.12 SQ, FT, (RQ*D)



ROOF PLAN ELEV. 5
SCALE: 1/8" = 1'-0"

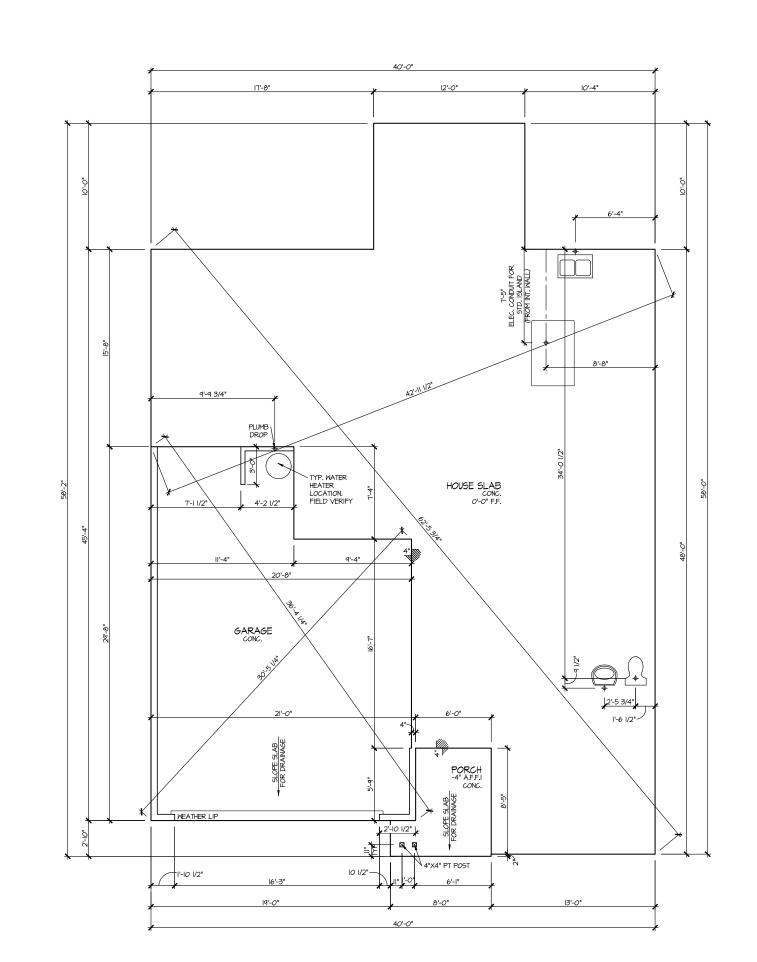
DRAWN BY: DATE: 05/27/2022 PLAN NO. 2695

HOUSE NAME:

DRAYTON

DRAWING TITLE PLAN

SHEET No.



ELEVATION 5 SLAB PLAN scale: 1/0' = 1/0'





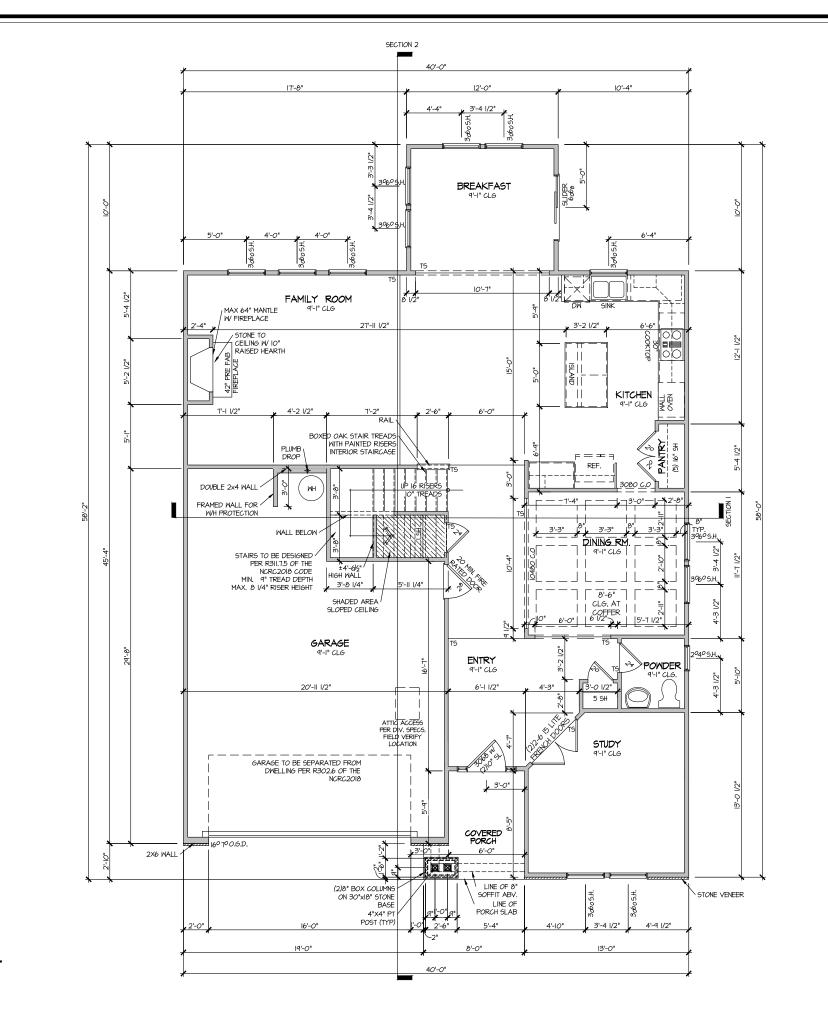
HOUSE NAME:

DRAYTON

DRAWING TITLE

SLAB PLAN

SHEET No.



ot 00.0077.dwg DATE: 5/27/2022 10:3

6.000

ELEVATION 5 FIRST FLOOR PLAN

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

HOUSE NAME:

DRAYTON

DRAWING TITLE

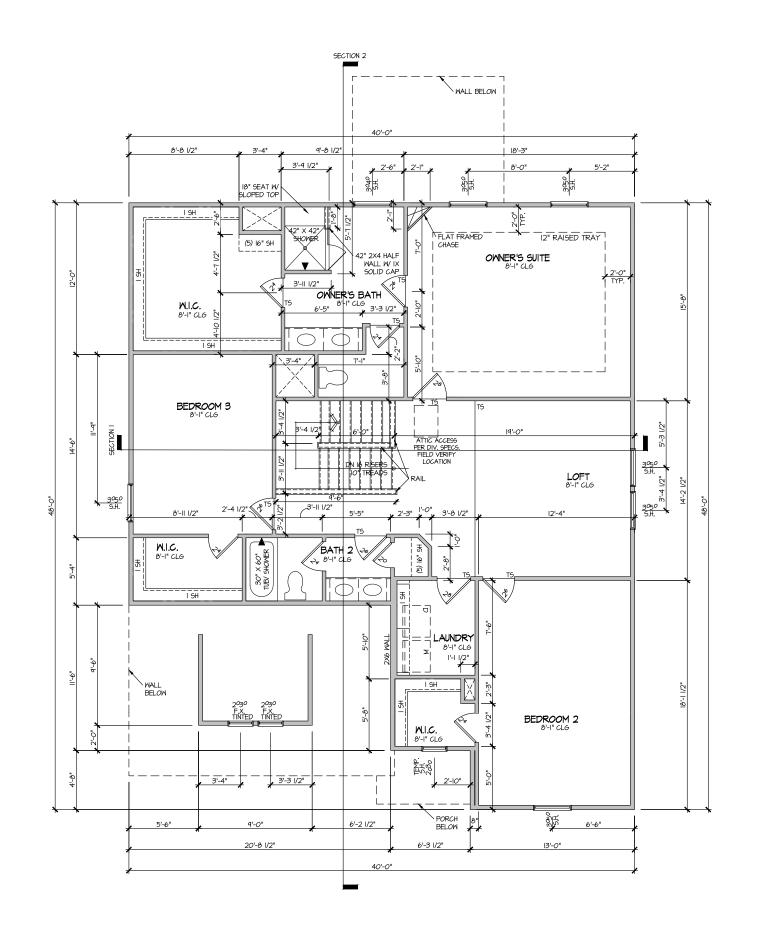
FIRST FLOOR PLAN

DRAWN BY:

PLAN NO. 2695

DATE: 05/27/2022

SHEET No. A3.1



DRAWN BY:
ITS
DATE:
05/27/2022
PLAN NO.
2695

HOUSE NAME:

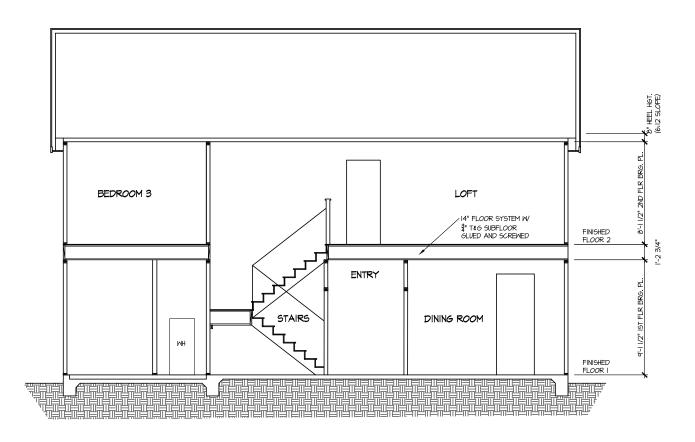
DRAYTON

DRAWING TITLE

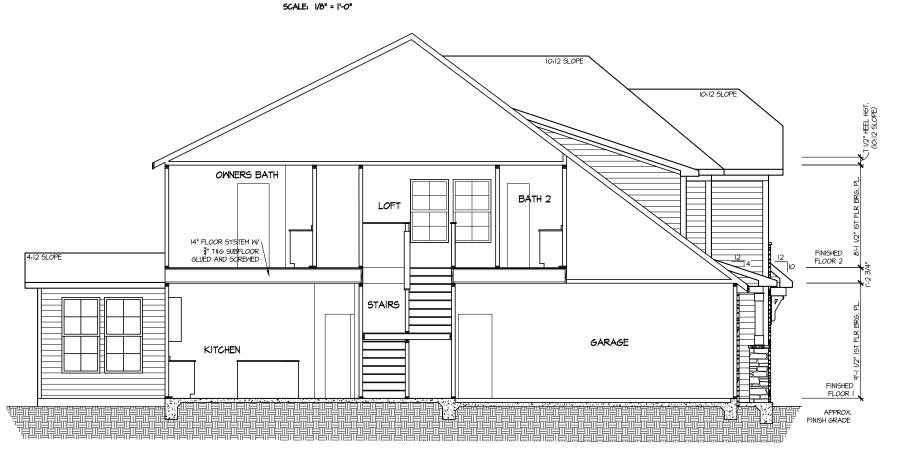
SECOND FLOOR PLAN

A3.2

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



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



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

t 00.0077.dwg DATE: 5/27/2022





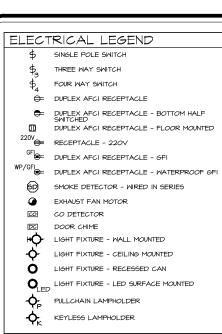
HOUSE NAME:

DRAYTON

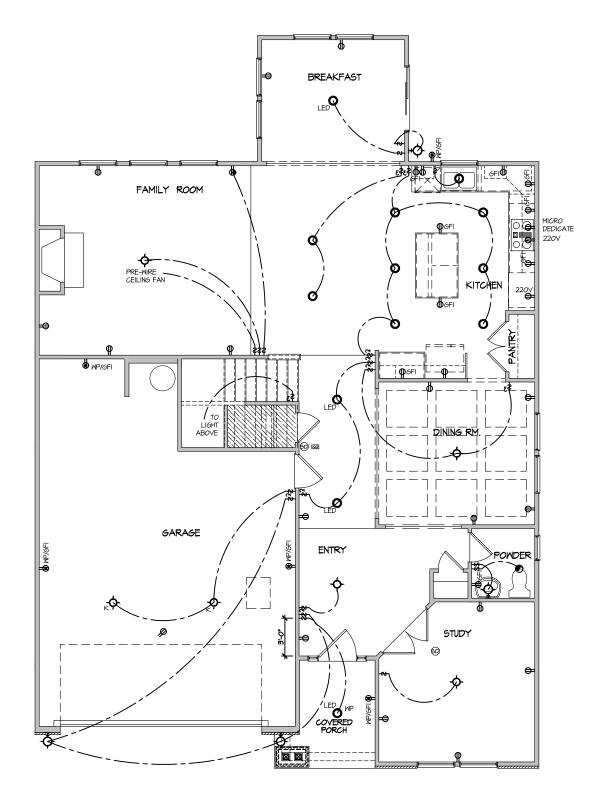
DRAWING TITLE

BUILDING SECTION

SHEET No.



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





/ FILE: Lot 00.0077.dwg DATE: 5/27/2022 10:32 AM

FIRST FLOOR ELECTRICAL

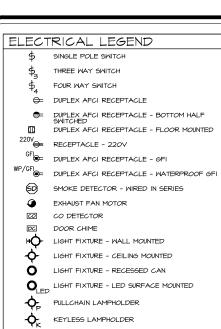
HOUSE NAME:
DRAYTON

DRAWING TITLE

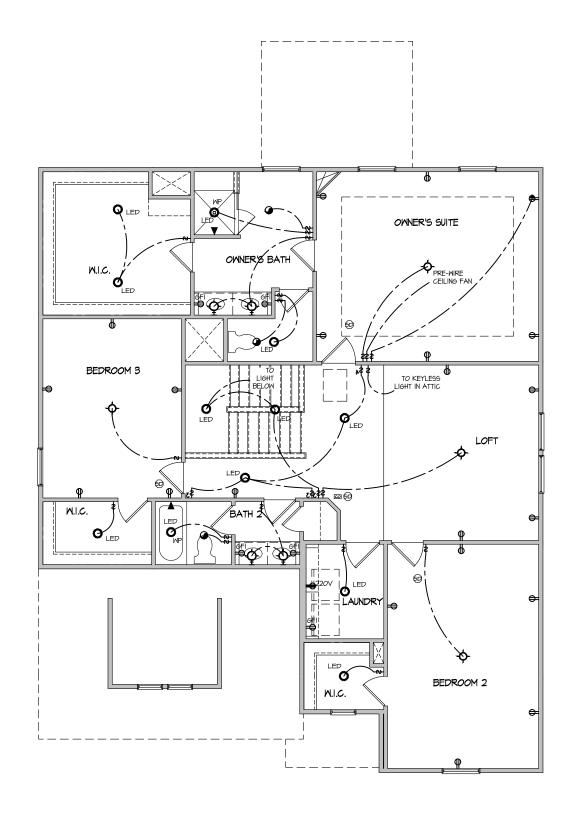
DRAWN BY:

DATE: 05/27/2022 PLAN NO. 2695

SHEET No.



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



ELECTRICAL PLAN SECOND FLOOR - ELEV. 5 SCALE: 1/8" = 1-0" MASTER PLAN INFORMATION

MASTER PLAN INFORMATION

REVISION DATE

3-6-19

2-17-22

BY AND THE STAND THE STA



HOUSE NAME:

DRAYTON

DRAWING TITLE

SECOND FLOOR ELECTRICAL

SHEET No.

FL

GENERAL STRUCTURAL NOTES

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

PDESIGN LOADS.

ROOF DEAD = 7 PSF T.C., 10 PSF B.C. LOAD DURATION FACTOR = 1.25

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

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

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

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE OR ON PLANS. ALL YALLS 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.
- PEFER 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, UN.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. JUNO.) . 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 TO MEET OR EXCEED THE FOLLOWING:
- LSL Flo=2325 psi, Fv=3i0 psi, E=1.55xi0^6 psi LVL' - Fb=2600 ρsi; Fv=285 ρsi; E=2.0xi0^6 ρsi
- FOR 2 \$ 3 PLY BEAMS OF EQUAL WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3'x0120' NAILS @ 8' O/C OR 2 ROWS 1/2/3/4' SIMPSON SDS SCREWS (OR 3½" TRUSSLOK SCREWS) & 16" O/C. USE A MINIMUM OF 3 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAIL S/SCREWS 2' FROM EDGE SOLID 3 K" OR 5 K' BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 \$ 2x8
- FOR 4 PLY BEAMS OF FOUAL WIDTH FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/2 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 SCREW 2' FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.
- ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD \$ (1)2x - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE
- NUMBER OF JACK STUDS REQUIRED, U.N.O.,
- ALL MULTI-PLY STUDS TO BE FASTENED TOGETHER W/ 3'X0.131" NAILS @ 24" O.C. (MIN.), EACH PLY.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND./BEARING. BLOCKING TO MATCH POST ABOVE
- FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH P.A.F.'s ('HILTI' X-CF PINS OR EQUAL) @ 16" O.C. STAGGERED. OR 1/2" DIA. BOLTS . 48" O.C. STAGGERED.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BCS2-2/4 CAP & ABW44Z BASE, U.N.O.

FLOOR FRAMING

- I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES MARRIER OORS - CONTACT MIKE FOR MARRIER IN OOR DESIGNS)
- AT I-JOIST FLOORS, PROVIDE I I/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 I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- 2 ½" x 0.131 NAILS 6 o.c. PANEL EDGES € 12 o.c. FIELD. - 2 ₹" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES \$ @ 8" O.C. FIELD.
- 2 \$" x 0.113" NAII S @ 3' O.C. @ PANFI FDGFS & @ 6" O.C. IN FIFI D.

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, U.N.C
- ROOF TRUSS SHOP DWGS, SHALL BE SUBMITTED TO ARCH \$ ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVER
- FRECT AND INSTALL ROOF TRUSSES PER WICA & TPIS BOSI I-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 SPA
- 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 3 x 0 120 NAILS @ 4"0c. @ PANEL EDGES \$ @ 8 OC. FIELD.
- W 2 3 × 0.113' NAILS @ 3"06. @ PANEL EDGES \$ @ 6' O.C. FIELD.

LATERAL BRACING & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120 MPH WIND IN 2018 NCSBC: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 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 NGSBG:RC SECTION R802.II.I.I. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER

SECTIONS R602.3.54 R802.II. EXT. WALL SHEATHING SPECIFICATION

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

BLOCKED PANEL EDGES

AT DESIGNATED AREAS - FASTEN SHEATHING N/8d NAILS . 6' O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD OR 13" IS 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

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, 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 PLYMOOD W/ IOd NAILS 4' O.C. (THRU ONE SIDE ONLY)

INDICATES EXTENT OF INT. OSB SHEARWAL OR 3' O.C. OSB SHEARWALL.

INDICATES HOLDOWN BELOW

VENEER LINTEL SCHEDULE

(MAX)	ABOVE LINTEL	STEEL ANGLE SIZE	
3-0	20 FT. MAX	L3'x3'x¼'	
	3 FT. MAX	しまながない	
6-0	I2 FT. MAX	L4'x3'x/4'	
	20 FT. MAX	L5 x5/2 x3/4	
8'-0" 5 FT. MAX 12 FT. MAX	5 FT. MAX	L4'x4'x4' *	
	I2 FT. MAX	L5 x3/2 x3/4	
	I6 FT. MAX	L6'x5%'x%'	
4-6	I2 FT. MAX	L6 x3/2 x3/4	
16'-0"	2 FT. MAX	L7'x4'\/2' **	
	3 FT, MAX	L8'x4'x/5' **	

- ICLE: SIPPORT 2 % 3 ½" VENETR N/ 40 ppf MAXIMM MEIGHT. ALL HAVE 4" MIN. BEARING ALL HAVE 9" MIN. BEARING ALL NOT BE FASTENED BACK TO HEADER
- BY SHALL INOT BE FASTIBLED BACK TO FEADER IN SHALL SHAPE, WITH STATEMENT AND SHAPE TO SHAPE THE SHAPE TO SHAPE SHAPE AND SHAPE SHAPE

LEGEND

- IIIIIIIIII 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

NON-BEARING HEADER SCHEDULE

TO 3'-0' (1)2x4 FLAT (1)2x6 FLAT TO 6'-0' (2)2x4 (3)2x4	SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
	TO 3'-0'	(1)2x4 FLAT	(I)2x6 FLAT
TO 91 01 /2/24 /2/24	TO 6'-0'	(2)2x4	(3)2x4
10 8-0" (2)280	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.)

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
 - (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.
- PULL DER TO VERIEY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W PRESERVATIVE-TREATED WOOD, CONTACT LIMBER & 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 pai: FOUNDATION WALLS
- FOOTINGS & INTERIOR SLABS ON GRADE 2500 psi 3,000 osl ... 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 以" 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 BOMT FND WALL WITH 2" CLEAR REINFORCEMENT. SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.
- FOR OPENINGS UP TO 36", PROVIDE MINIMUM IO' CONCRETE
- DEPTH OVER OPENING OR (3)2x10 W (2)2x6 JACK STUDS, U.N.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
 - 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 1:15 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 (Fin=1500 PSI). MORTAR SHALL BE ASTM C270, TYPE 5. CMJ 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 PT PLATE ON TOP OF ALL CRAWL SPACE PIERS. ALL PIERS SHALL BE GROUTED SOLID. PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL SPACE WALLS,
- ASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE DIMENSIONS BY OTHERS, BUILDER TO VERIFY
- PUIL DER TO VERIEY THAT MODEL HAS BEEN ADEQUATELY TREATED. BY A LICENSED AND BONDED PEST CONTROL COMPANY F SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY

MEANS & METHODS NOTES

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

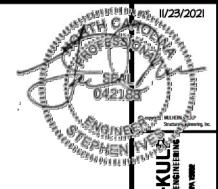
STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMEN IN CONTACT WITH FLOOR FRAMING ARE LEVEL INCLUDING BUT NOT LIMITED TO FOUNDATIONS SLABS ELEMENTS - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION 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 MAK 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/FLUS BEAMS DO NOT EXCEED THE FOLLOWING:

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



EB $\mathbf{\Sigma}^{\mathbf{I}}$

M&K project numb 126-21020

JTR frawn by: ssue date: 06-12-2

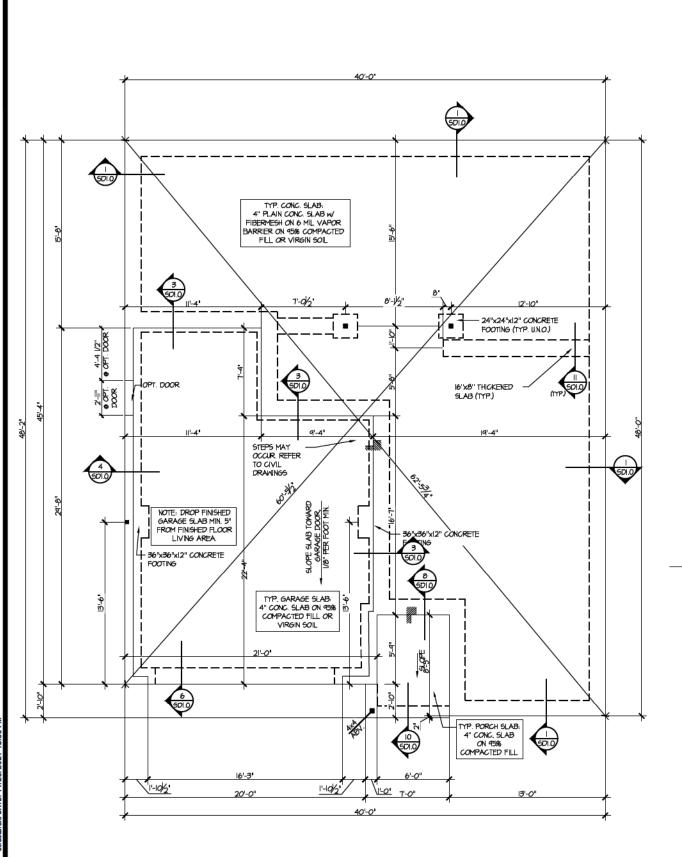
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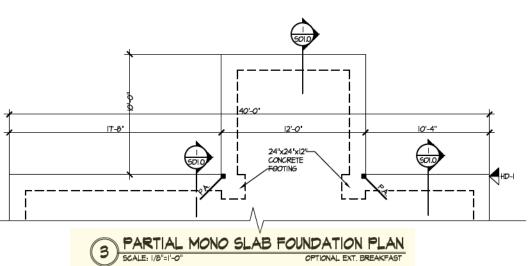






DATION TON DRAY RALEIGH.





LEGEND

• IIIIIII INTERIOR BEARING WALL

● □□□□□ BEARING WALL ABOVE

◆ **—==** BEAM / HEADER

• INDICATES SHEAR WALL & EXTENT
• EXTENT OF OVERFRAMING

JL METAL HANGER

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

INDICATES HOLD-DOWN OR STRAP.
REFER TO SCHEDULE.

REFER TO SO.O FOR
TYPICAL STRUCTURAL NOTES

\$ SCHEDULES

REVISIONS:
date: initiat:

issue date: 06-12-2

JTR

MULHERN+KUL

M&K project number: 1 26-2 1 020

drawn by:

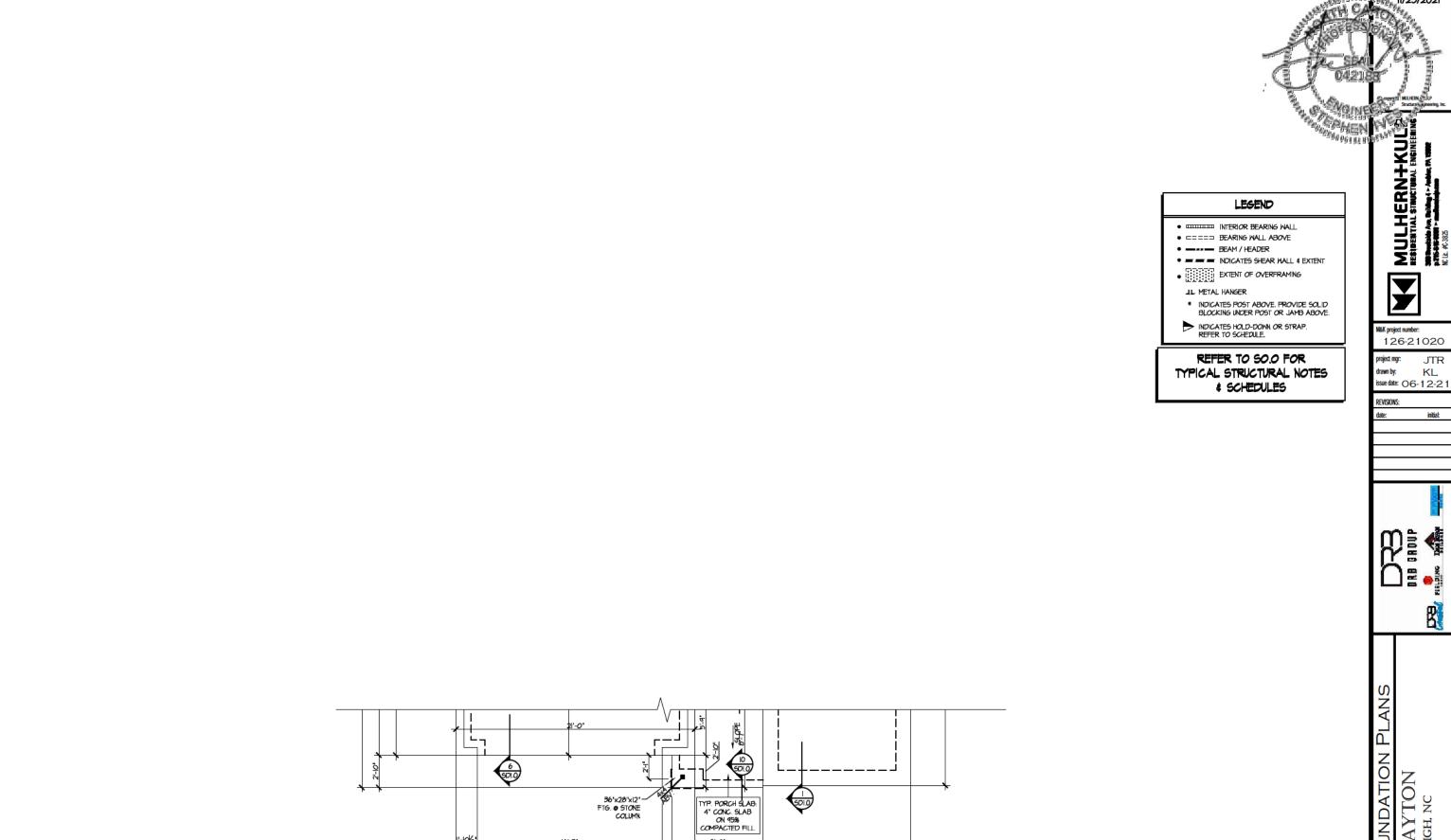




FOUNDATION PLANS DRAYTON RALEGH, NC

sheet: LEFT HAND

MONO SLAB FOUNDATION PLAN
SCALE 1/0" ELEVATION #1



0/2

PARTIAL MONO SLAB FOUNDATION PLAN

SCALE: 1/8"=1"-0" ELEVATION #5

M&K project number: 126-21020

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

FOUNDATION PLANS
DRAYTON
RALEGH, NC

sheet: LEFT HAND

2ND FLOOR FRAMING PLAN ELEVATIONS #1 + #2

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SD2.0 & SD2. REFERS TO SD2.0 \$ SD2.IJ FOR I-JOIST FLOOR FRAMING OR SD2.OT & SD2.IT FOR TRUSS FLOOR FRAMING

SD2.IJ/SD2.IT REFERS TO SD2.IJA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2.IJB/SD2.ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL BEAMS

LEGEND

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

ENGINEERED	BEAM	MATERIAL	SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)%'×14" - F	5% x14" - F	(2)%'xi4' - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH FLATES - FB	M2×14 - F
002	(2)13/4"×14" - F	3½'xi4' - f	(2)1¾'x 4' - F	(2)2xl2 + (1)1/4"xll4" 517=1 FLITCH PLATES - FB	M2×14 - F
003	(3) 外 xi8' - FB or (2) 外 x20' - FB	5¼'xl8' - F3	₩A	(3)2x12 + (2) % xIK, STEEL FLITCH PLATES - FB	WI2x26 - F
004	(2)1¾'×14' - F	5½ xi4" - ∓	(2)1¾'x 4' - F	(2)2x12 + (1)/L'x1 L' STEEL FLITCH PLATES - FB	M2x14 - F
005	(2)1¾ ×11½" - H cont.	兆水ル - H cont.	(2)ñ¾'xı1¾" - H cont.	(3)2x12 + (2)从'xll'%' STEEL FLITCH PLATES - H cont.	N/A
005A	(3)1% x14" - H cont.	54'x 4" - H cont.	N/A	(3)2xi2 + (2) /L'xii /L' STEEL FLITCH FLATES - H cont.	N/A
006	())% xI4" - F	35'xi4' - ₹	(2)134 xi4" - F	(2)2xi2 + (i)½'xi4' 5TEEL FLITCH PLATES - FB	M2xH - F
001	(2)1% ×11% - D	3½×11% - D	(2)1%"\ %" - D	(2)2x12 + (1)/L'x1 L'' STEEL FLITCH PLATES - D	W0x12 - D
008	(2)1%'x16" - H cont.	3½ x16" - H cont	(5)1% x16" - H cont.	(3)2x12 + (2) ½ x1½ STEEL FLITCH PLATES - H cont.	N/A
009	(2)134"×44" - #	3½ "x9¼" - F	(2)134"×94" - F	(2)2x10 + (1)1/2'x94' 5TEEL FLITCH PLATES - F	M8×Ю-F
010	(2)1%/×14" - F	3½ x/4" - †	(2)%'×14" - F	(2)2x12 + (1)/L'x1 L' STEEL FLITCH PLATES - FB	M2xI4 - F
OII	(2)1¾'x 4" - F	35'x 4' - F	(2)134"x14" - F	(2)2d2 + (1) /(*x) /(*) 5TEEL FLITCH PLATES - FB	M2x14 - F
012	(2)1%, 'x %' - D	3½ xll ½ - D	(2)134"x 76" - D	(2)2xl2 + (1)1/4"xll4" STEEL FLITCH PLATES - D	W0x12 - D

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

- "H" INDICATES FLUSH BOTTOM BEAM
 "ID" INDICATES DROPPED BEAM
 "H" INDICATES DROPPED OPENING HEADER
 REFER TO DETAIL DYSD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
 REFER TO DETAIL EYSD2.0 FOR TYPICAL STELL BEAM CONNECTIONS
 FOR FLUSH TOP BEANS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN
 PLATES IN SUCCESSION W (2) 3"XO.120" NAILS 6" O.C.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQD. FASTEN PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS 8" O.C.

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11/23/2021

M&K project number

126-21020

JTR drawn by: issue date: 06-12-2

REVISIONS: initial:





LOOR FRAMING DRAYTON RALEIGH, NC

sheet: LEFT HAND S3.0J

PARTIAL 2ND FLOOR FRAMING PLAN 2 PARTIAL 5CALE: 1/8"=1'-0'

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

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

SD2.IJ/SD2.IT REFERS TO SD2,IJA/SD2,ITA FOR LVL/PSL/LSL BEAMS OR SD2.IJB/SD2.ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL BEAMS

LEGEND

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

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)% x14" - F	5½'x 4" - F	(2)1%; x14" - F	(2)2x12 + (1)1/2; x11/2; STEEL FLITCH PLATES - #3	M2xI4 - F
002	(2)134 x14" - F	3½×14" - F	(2)1¾'x14" - F	(2)2x12 + (1)1/2'x11/4' STEEL FLITCH PLATES - #3	M2xI4 - F
003	(3)1½ xið - FB or (2)1½ x20 - FB	\$4'×18" - FB	N/A	(3)2x12 + (2) %'\ X'' 5T#EL FLITCH PLATES - #3	MI2x26 - F
004	(2)1% 'xl4" - F	3½ ′xi4" - F	(2)1%"x14" - F	(2)2xl2 + (1)½"xl½" 5T#FL FLITCH PLATES - #3	M2xH - F
005	(2)134"x1136" - H cont.	%'xi1%' - H cont.	(2)13/4"×113/6" - 11 cont.	(5)2x12 + (2))4 x1 1/3 5TEEL FLITCH PLATES - + cont.	N/A
005A	(3)3% xi4" - H cont.	5% x14" - H cont.	N/A	(3)2x12 + (2)1/2 x11/3 " STEEL FLITCH PLATES - H cont.	N/A
006	(1)%'x 4" - F	%×14" - F	(2)1%;'x14" - F	(2)2x12 + (1) ¼ x14" 5TEEL FLITCH PLATES - FD	M2xI4 - F
001	(2)1% xII% - D	我xl/%' - D	(2)1% x11%" - D	(2)2xl2 + (1)½"xl½" 5T##L FLITCH PLATES - D	WlOxi2 - D
008	(2)194 x16" - H cont.	3½ xi6 - H cont.	(3)% xi6 - H cont.	(3)2xi2 + (2) ½ xilk	N/A
900	(2)1% x94" - F	3½'x9¼'-F	(2)1%'×9%' - F	(2)2x10 + (1)1/2"x94;" STEEL FLITCH PLATES - #	M8×10 - F
010	(2)% x14' - F	5½ 'x 4" − F	(2)194"x14" - F	(2)2x12 + (1)½"x1½" 5TEFL FLITCH PLATES - FB	M2xH - F
OII	(2)1% x14" - F	3½×14" − F	(2)194"×14" - F	(2)2xl2 + (I));'xlf;' STEEL FLITCH PLATES - FB	M2xI4 - F
012	(2)1% x11% - D	# <u>⅓</u> ×l/%' - D	(2)134 x1136" - D	(2)2xl2 + (1)½"xl½" 5TEEL FLITCH PLATES - D	WlOxi2 - D

- "F" INDICATES FLUSH BEAM

- 'F" INDICATES FLUSH BEAM
 'FT' INDICATES FLUSH TOP BEAM
 'FT' INDICATES FLUSH TOP BEAM
 'TP' INDICATES DROPPED BEAM
 'TP' INDICATES DROPPED BEAM
 'TP' INDICATES DROPPED OPENING HEADER
 REFER TO DETAIL D'SD20 FOR TYPICAL FLITCH BEAM CONNECTIONS
 REFER TO DETAIL D'SD20 FOR TYPICAL FLITCH BEAM CONNECTIONS
 FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN
 PLATES IN SUCCESSION W (2) 5"X0120" NAILS € 8" O.C.
 FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN
 PLATES IN SUCCESSION W (2) 5"X0120" NAILS € 8" O.C.

SPHEN V

MULHERN+KUL



M&K project number 126-21020

project mgr: JTR drawn by: issue date: 06-12-2

REVISIONS:





-LOOR FRAMING PLANS DRAYTON RALEIGH, NC

sheet: LEFT HAND

LEGEND

- IIIIII 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 SO.O FOR

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

SD2.IJ/SD2.IT REFERS TO SD2.IJA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2,IJB/SD2,ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL

SHEN V MULHERN+KUL



M&K project number: 126-21020

drawn by: KL issue date: 06-12-21 REVISIONS:

initial:

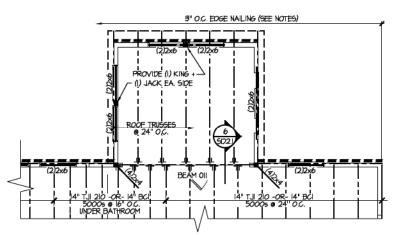




B

OPTION FRAMING PLANS
DRAYTON
RALEIGH, NC

sheet: LEFT HAND S5.0J



PARTIAL SECOND FLOOR FRAMING PLAN OPTIONAL EXT. BREAKFAST ELEV. #I SHOWN - ALL ELEV. SIM.

TYPICAL STRUCTURAL NOTES & SCHEDULES

BEAMS

NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)%:xi4* - F	5½'x 4" - F	(2)1¾ ×14 - F	(2)2xl2 + (1) ½ xll½ STEEL FLITCH PLATES - FB	Wl2xi4 - F
002	(2)13/4"×14" - F	兆'xi4" - F	(2)134 ×14 - F	(2)2xl2 + (1) ¼'xll¼' STEEL FLITCH PLATES - FB	WI2xI4 - F
003	(3)1% x18 - FB or (2)1% x20 - FB	5¼'xlô' - FB	N/A	(3)2x12 + (2) % x1K	MI2x26 - F
004	(2)1%'xi4' - F	9½'x 4" - F	(2) 弘 ×i4 - F	(2)2xl2 + (1) ¼ xll¼ STEEL FLITCH PLATES - FB	WL2x14 - F
005	(2)1% x11% - # cont.	3½'x11%' - H cont.	(2)1% x11% - H cont.	(3)2xl2 + (2) ¼ xll ½ 5TEEL FLITCH PLATES - H cont.	N/A
005A	(3)34"x14" - H cont.	54'x14" - H cont.	N/A	(3)2xi2 + (2) ¼ xii ¾ STEEL FLITCH PLATES - H cont.	N/A
006	(እ % x F - F	35'x14" - F	(2)1% ×H - F	(2)2xl2 + (1) ½ xl4 5TEEL FLITCH PLATES - FD	WI2xI4 - F
001	(2)1% x11%" - D	兆×i1% - D	(2)¾'x ¾' - D	(2)2xl2 + (1) /4'xll/4' 5TEEL FLITCH PLATES - D	MlOxi2 - D
600	(2)% x16 - H cont.	3½'x16" - H cort.	(3)%'x16" - H cont.	(3)2xi2 + (2)/5 xilk, STEEL FLITCH PLATES - H cont.	N/A
009	(2)1¾"×4¼" - F	3½'x%' - F	(2)1%"×9%" - F	(2)2xl0 + (1) ¼ x4¼ STEEL FLITCH PLATES - F	M8xIO - F
010	(2)%'xi4' - F	5½'xl4" - F	<i>(2)</i> 1¾ xi4 - F	(2)2x12 + (1) ½'x1½' STEEL FLITCH PLATES - FB	WL2x14 - F
QII	(2)1% xi4" - F	3½"×14" - F	(2)1%, xH - F	(2)2x12 - (1) & x1K' STEEL FLITCH PLATES - FB	WI2xI4 - F
012	(2)1% x11%" - D	3½'xii½' - D	(2)%'x %' - D	(2)2xi2 + (1) ¼ xi¼ 5TEEL	MIOxl2 - D

ENGINEERED BEAM MATERIAL SCHEDULE

- BEAM NOTATION.

 "F" INDICATES FLUSH BEAM

 "FT" INDICATES FLUSH BEAM

 "FT" INDICATES FLUSH TOP BEAM

 "FT" INDICATES FLUSH TOP BEAM

 "T" INDICATES FLUSH TOP BEAM

 "T" INDICATES DROPPED DEAM

 "H" INDICATES DROPPED DEAM

 "H" INDICATES DROPPED DEAM

 "H" INDICATES DROPPED DEAM

 SELFER TO DETAIL DROZOZ FOR TYPICAL FLITCH BEAM CONNECTIONS

 REFER TO DETAIL DROZOZ FOR TYPICAL STEEL BEAM CONNECTIONS

 FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQTD. FASTEN

 PLATES IN SUCCESSION W (2) 3"X0.120" NAILS © 8" OC.

2ND FLOOR FRAMING PLAN

ELEVATIONS #1 + #2

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SD2.0 & SD2. REFERS TO SD2.0 \$ SD2.IJ FOR I-JOIST FLOOR FRAMING OR SD2.OT & SD2.IT FOR TRUSS FLOOR FRAMING

SD2.IJ/SD2.IT REFERS TO SD2.IJA/SD2.ITA FOR LVL/PSL/LSI BEAMS OR SD2.IJB/SD2.ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL BEAMS

LEGEND

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

L

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)%'x 4" - F	35 x 4 - F	(2)%'x 4" - F	(2)2x12 + (1)1/2*x11/2" STEEL FLITCH PLATES - FB	M2×H - F
002	(2)134'x 4' - #	3½'x 4' - f	(2)134'x 4' - F	(2)2xl2 + (1)/4'xll4" 5TEEL FLITCH PLATES - FB	MI2xI4 - F
003	(5) 1/4 x 10' - FF3 or (2) 1/4 x 20' - FF3	5¼'xl8' - F3	₩A	(3)2xl2 + (2) % xll/, STEEL FLITCH PLATES - FB	WI2x26 - F
004	(2)3%'×14" - F	3½ xl4'-∓	(2)1¾'x 4' - F	(2)2x12 + (1)1/4"x11/4" STEEL FLITCH PLATES - FB	MI2xI4 - F
005	(2)1¾ ×11½" - H cont.	兆xll% - H cont.	(2)13%,"×1176" - H cont.	(3)2xi2 + (2) // xii // STEEL FLITCH PLATES - H cont.	N/A
005A	(3)1% x14" - H cont.	514"x14" - H cont.	N/A	(3)2xi2 + (2) ½'xil ½' 5TEEL FLITCH PLATES - H cont.	N/A
006	())% xi4" - F	3½'x 4' - f	(2)134'x 4' - F	(2)2xi2 + (i)½ xi4	MI2xI4 - F
001	(2)1% ×11% - D	兆×11% - D	(2)1¾'\x 1¾' - D	(2)2x12 + (1)/(; x1)(;" 5TEEL FLITCH PLATES - D	W0x12 - D
008	(2)1%'x16" - H cont.	3/2 x16" - H cont	(5)1% x16" - H cont.	(3)2x12 + (2) がxlik STEEL FLITCH PLATES - H cont.	N/A
009	(2)34'×44' - F	3½"x9¼" - F	(2)134"×94" - F	(2)2x10 + (1)1/4'x9/4' 5TEEL FLITCH PLATES - F	M8xЮ-F
010	(2)%'×14" - F	3% x/4" - †	(2)1%1×141 - F	(2)2x12 + (1)1/L*x11/L" STEEL FLITCH PLATES - FB	M2xI4 - ‡
OII	(2)%'x 4" - F	3½'x 4' - F	(2)1¾'x 4' - F	(2)2xl2 + (1)1/4"xll4" 5TEEL FLITCH PLATES - FB	M2x14 - #
012	(2)1%, x11%, - D	35 xll % - D	(2)134"×1176" - D	(2)2x12 + (1)/L"x1 L" STEEL FLITCH PLATES - D	W0x12 - D

- BEAM NOTATION:

 "F" INDICATES FLUSH BEAM

 "FT" INDICATES FLUSH TOP BEAM

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

- "D" INDICATES DROPPED OPENING HEADER

 "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 BEANS PROVICE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN

 PLATES IN SUCCESSION N/ (2) 3"X0.120" NAILS © 8" OC.
- FOR FLUSH BOTTOM BEAMS PROVIDE 2x STACKED PLATES ATOP BEAM AS REQD. FASTEN PLATES IN SUCCESSION w/ (2) 3"x0.120" NAILS 8" O.C.

SECOND PROPERTY

MULHERN+KUL®



M&K project number 126-21020

project mgr: JTR drawn by: issue date: 06-12-2

REVISIONS: initial:



DRAYTON RALEIGH, NC

sheet: LEFT HAND **S3.0T**

LOOR FRAMING

PARTIAL 2ND FLOOR FRAMING PLAN

2 PAKTIAL 5CALE: 1/8"=1'-0'

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

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

SD2.IJ/SD2.IT REFERS TO SD2.IJA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2.IJB/SD2.ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL BEAMS

LEGEND

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

ENGINEERED BEAM MATERIAL SCHEDULE					
BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1% x14" - F	5½"x 4" − F	(2)194"×14" - F	(2)2x12 + (1) /2; x1 /2; STEEL FLITCH PLATES - FE	M2xi4 - F
002	(2)1% x14" - F	3½×14" - F	(2)1¾'x14" - F	(2)2x12 + (1) ½' \x ½' \stffl FLITCH PLATES - #3	M2xI4 - F
003	(3)1½ x18' - FB or (2)1½ x20' - FB	5½ '×18" - FB	₩A	(3)2x12 + (2) %'x1K'' 5T#EL FLITCH PLATES - FB	M2x26 - F
004	(2)1% xl4" - F	3½ x/4" - F	(2)194"×14" - F	(2)2xl2 + (1)½'xl½' STEEL FLITCH PLATES - FB	M2xH - F
005	(2)134"x1136" - H cont.	3½'x11%' - H cont.	(2)1¾'x11½" - H cont.	(3)2x12 + (2)/4 x11/6" 5TEEL FLITCH PLATES - H cont	N/A
005A	(3)194 x14 - H cont.	5¼ x14" - H cont.	N/A	(3)2x12 + (2) /4 x1 1/3" STEEL FLITCH PLATES - H cont.	N/A
006	(1)%'x 4' - F	3½×14" − F	(2)1%'x14" - F	(2)2x12 + (1) ½ x14 STEEL FLITCH PLATES - FD	W2xI4 - F
001	(2)1% x11% - D	%/xl%'-D	(2)1% x11%" - D	(2)2xl2 + (I)/4'xlf4' STEEL FLITCH PLATES - D	WlOxl2 - D
008	(2)1% x16" - H cont.	3½°x16° - H cont.	(3)% xi6" - H cont.	(3)2x12 + (2) ½ x1¼ STEEL FLITCH PLATES - H cont.	N/A
P00	(2)13/4 x9/4" - F	3½'x%' - F	(2)1% ×4% - F	(2)2x10 + (1) ½"x9½" 5TEEL FLITCH PLATES - #	W8×10 - F
010	(2)1% x14" - F	3½"x 4" - F	(2)1%"x14" - F	(2)2x12 + (1)1/2"x11/2" STEEL FLITCH PLATES - FB	W2xI4 - F
OII	(2)1% x14" - F	3½°×14" − F	(2)1%;'x 4" - F	(2)2xi2 + (i)½'xi½' STEEL FLITCH PLATES - #8	M2xI4 - F
012	(2)1%'x11%' - D	3½×11%'-D	(2)1% x11%" - D	(2)2xl2 + (l)/4'xl/4' STEEL FLITCH PLATES - D	WlOxl2 - D
*** BEAM NOTATION: - "F" INDICATES FLUSH BEAM - "FT" INDICATES FLUSH BEAM - "FT" INDICATES FLUSH BOTTOM BEAM - "B" INDICATES FLUSH BOTTOM BEAM - "D" INDICATES DROPPED BEAM - "H" INDICATES DROPPED BEAM - "H" INDICATES DROPPED DEAM - "H" INDICATES DROPPED DEAM - "REFER TO DETAIL D'SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS *** REFER TO DETAIL E'SD2.0 FOR TYPICAL STELL BEAM CONNECTIONS *** REFER TO DETAIL D'SD2.0 FOR TYPICAL STELL BEAM CONNECTIONS *** FOR FLUSH TOP DEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W (2) 3"X0.120" NAILS • 8" OC. *** FOR FLUSH BOTTOM BEAMS PROVIDE 2X STACKED PLATES ATOP BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W (2) 3"X0.120" NAILS • 8" OC.					

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MULHERN+KUL



M&K project number 126-21020

project mgr: JTR drawn by: issue date: 06-12-2

REVISIONS:





LOOR FRAMING PLANS DRAYTON RALEIGH, NC

sheet: LEFT HAND

LEGEND

- IIIIII 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 SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

SD2.IJ/SD2.IT REFERS TO SD2.IJA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2,IJB/SD2,ITB FOR FLITCH BEAMS OR SD2.IJC/SD2.ITC FOR STEEL BEAMS

2, SEAL 04218	Copyrist: MIJJESN 2-11P Structure, preventing for
HEN	N+KUL ETWAL ENGINEERING E-MALE IN THE
	MUCHERN+KUL ESTORIAL STRUCTURAL ENGINEERI STRUCTURAL ENGINEERI

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B

		ENGINEERED BEAM MATERIAL SCHEDULE					
	STEEL OPTION	FLITCH OPTION	⊥SL OPTION	PSL OPTION	LVL OPTION	BEAM NUMBER	
Y	Wl2xi4 - F	(2)2xi2 + (i)从xik Steel FLITCH PLATES - FB	(2)% ×14 - F	5½'xi4" - F	(2)% xi4* - F	001	
	WI2xI4 - F	(2)2xi2 + ())なxiは STEEL FLITCH PLATES - FD	(2)134 ×14 - F	兆'xi4" - F	(2)34'x 4' - F	002	
	MI2x26 - F	(3)2xl2 + (2) % xlK STEEL FLITCH PLATES - FB	N/A	5¼'xið' - FB	(3)1% x18 - FB or (2)1% x20 - FB	003	
NeK project number: 126-21020	WI2xI4 - F	(2)2xl2 + (1) ¼ xl¼ STEEL FLITCH PLATES - FB	(2) % xi4 - F	9½'x 4" - F	(2)1%'x14" - F	004	
roject mgr: JTR	N/A	(5)2xl2 + (2) /4'xll /6' STEEL FLITCH PLATES - H cont.	(2)1% x11% - H cont.	兆水ル - H cont.	(2)1% x11% - # cont.	005	
rawn by: KL	N/A	(5)2xl2 + (2) /4 xll /6 STEEL FLITCH PLATES - H cont.	N/A	54'x14" - H cont.	(3)134"x14" - H cont.	005A	
sue date: 06-12-21	WI2xI4 - F	(2)2xl2 + (1) ¼ xl4 STEEL FLITCH PLATES - FB	(2)1% x/4 - F	3½'x 4" - F	()/% xH - F	006	
EVISIONS:	HIOxi2 - D	(2)2xl2 + (1) ¼ xll¼ STEEL FLITCH PLATES - D	(2)%'x %' - D	兆以/ - D	(2)1% x11%" - D	001	
ate: initial:	N/A	(3)2xi2 + (2)½ xil¼ STEEL FLITCH PLATES - H cont.	(3)%'x16' - H cont.	3½'x16" - H cont.	(2)1% x16" - H cont.	008	
	₩8x10 - F	(2)2xi0 + (1) 以*xが、STEEL FLITCH PLATES - F	(2)134"×94" - F	3½'x4¼' - F	(2)1% ×44 - F	P00	
	WI2xI4 - F	(2)2xi2 + (i) 以'xi以' STEEL FLITCH PLATES - FB	(2)1¾ x14 - F	5½'xl4" - F	(2)1% x14" - F	010	
	WI2xI4 - F	(2)2xi2 - (1) だ xiik STEEL FLITCH PLATES - FB	(2)% xH - F	3½'×14' - F	(2)1%'xi4" - F	OII	

- *** BEAM NOTATION.

 "FI INDICATES FLUSH BEAM

 "FT" INDICATES FLUSH BEAM

 "FT" INDICATES FLUSH BOTTOM BEAM

 "TO" INDICATES FLUSH BOTTOM BEAM

 "TO" INDICATES DROPPED DEAM

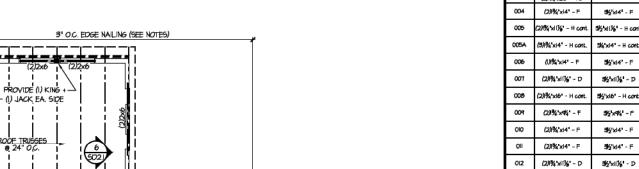
 "H" INDICATES DROPPED OPENING HEADER

 *** RETER TO DETAIL D'SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS

 *** RETER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS

 *** FOR FLUSH TOP BEAMS PROVIDE 2X STACKED PLATES BENEATH BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W (2) 3"XO.120" NAILS 6 8" OC.

(2) 1/4 x | 1/4 - D



PARTIAL SECOND FLOOR FRAMING PLAN OPTIONAL EXT. BREAKFAST ELEV. #1 SHOWN - ALL ELEV. SIM.

OPTION FRAMING PLANS
DRAYTON
RALEIGH, NC

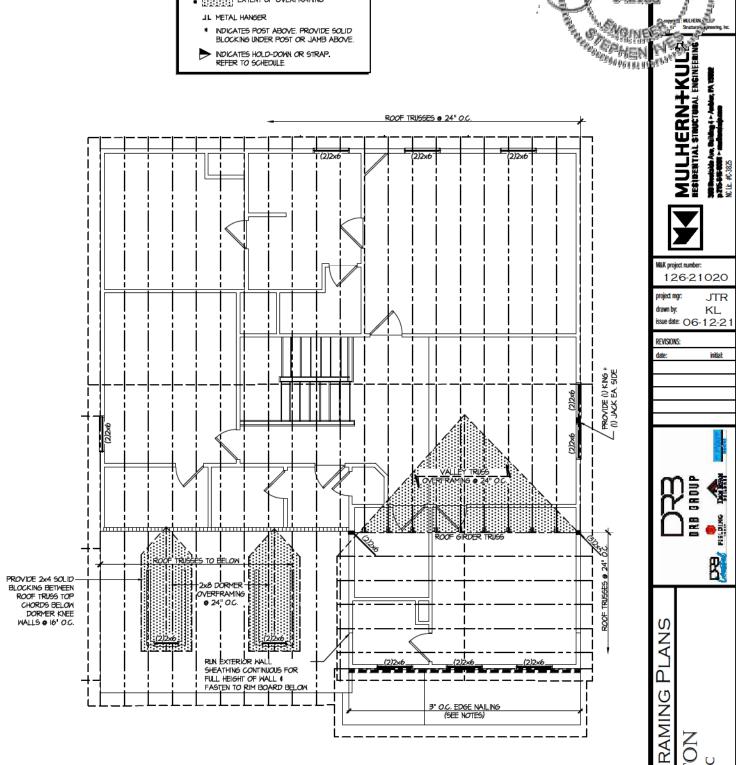
MOx12 - D

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REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

LEGEND

- IIIIII 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.





ROOF FRAMING PLANS
DRAYTON
RALEIGH, NC

B

11/23/2021

M&K project number: 126-21020

drawn by: issue date: 06-12-2

REVISIONS:

JTR

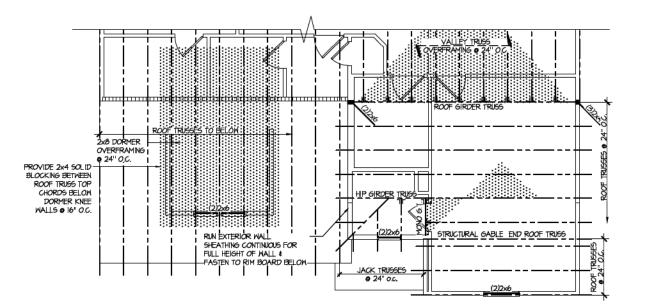
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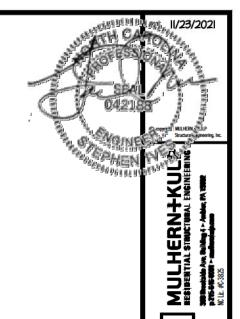
REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES # SCHEDULES

LEGEND

- IIIIIII INTERIOR BEARING WALL ■ ===== BEARING WALL ABOVE
- ---- BEAM / HEADER
- ■ INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
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 REFER TO SCHEDULE.









M&K project number: 126-21020

project mgr: JTR drawn by: KL issue date: 06-12-2

REVISIONS:

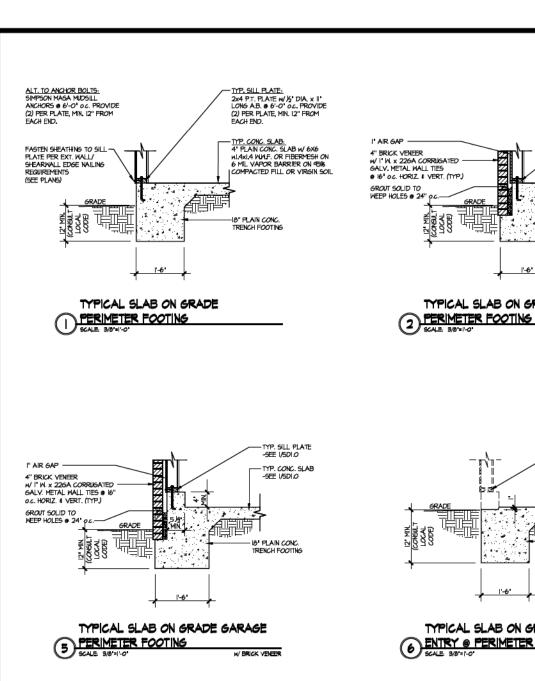
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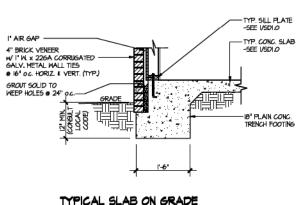


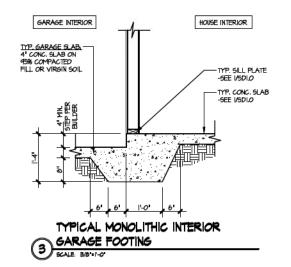


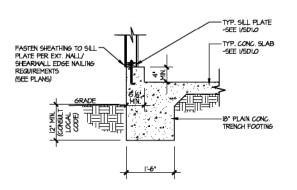
ROOF FRAMING PLANS
DRAYTON
RALEGH, NC

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M&K project number 126-21020

issue date: 06-12-2

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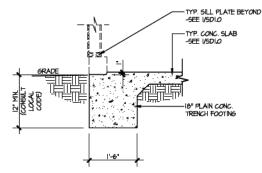
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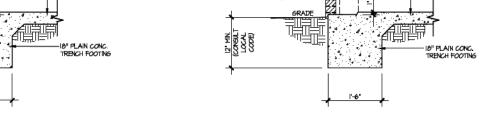
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REVISIONS:

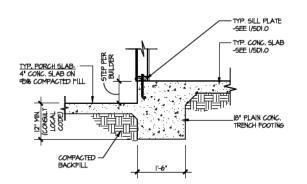
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4" BRICK VENEER -



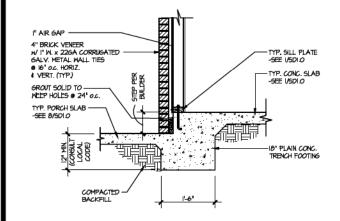


w/ BRICK VENERS



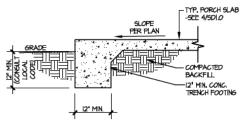
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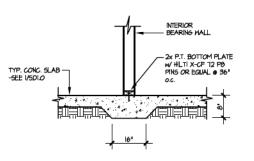
TYPICAL SLAB ON GRADE PERIMETER (8) FOOTING @ PORCH/PATIO

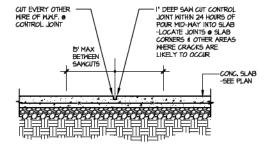


TYPICAL SLAB ON GRADE PERIMETER

FOOTING @ PORCH/PATIO







TYPICAL FOOTING @ PORCH SLAB

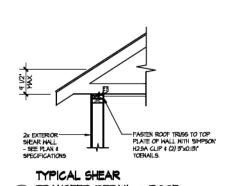
TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL

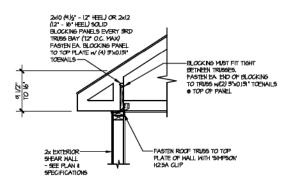


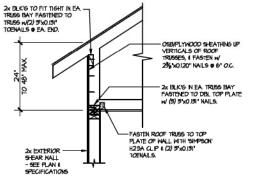
A TYPICAL CONTROL JOINT

DRAYTON RALEIGH, NC

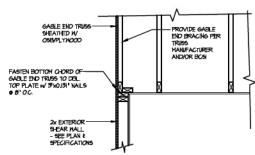
OUNDATION DETAIL







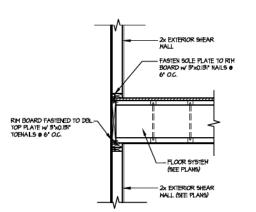
TYPICAL SHEAR TRANSFER A3 DETAIL @ RAISED HEEL TRUSS

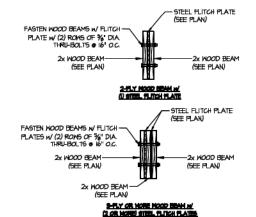


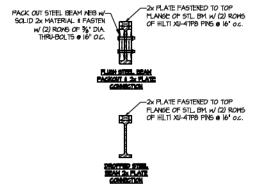
TYPICAL GABLE END DETAIL







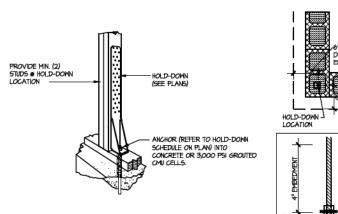




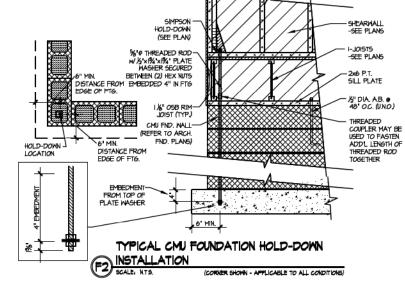
TYPICAL SHEAR TRANSFER DETAIL SCALE, S/8'-1-0'

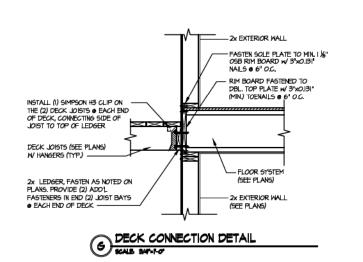


TYPICAL STEEL BEAM CONNECTION DETAIL



TYPICAL HOLD DOWN INSTALLATION SCALE: NTS.





DRAYTON RALEIGH, NC **SD2.0J**

DETAIL

RAMING

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MULHERN+KUC

M&K project number 126-21020

issue date: 06-12-2

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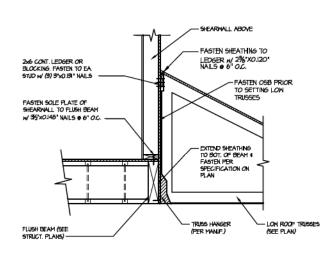
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REVISIONS:

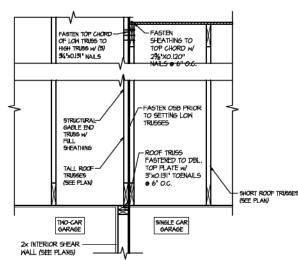
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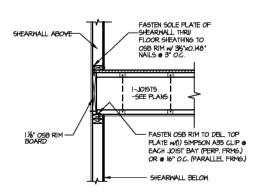
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW SCALE: 8/4":-1-0" PAR



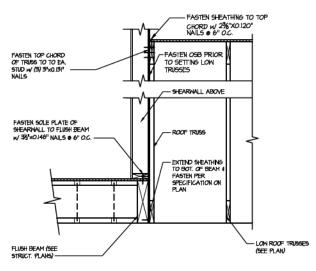
SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE



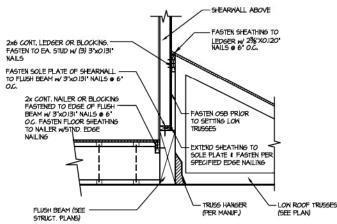
TYPICAL SHEAR TRANSFER DETAIL 9 BETWEEN GARAGE BAYS



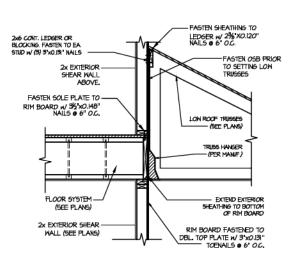
SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW



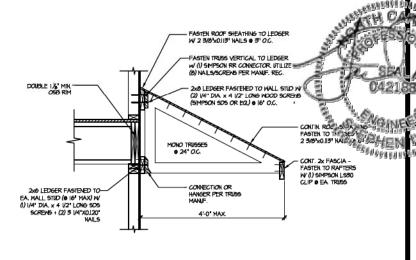
SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



SHEAR TRANSFER DETAIL @ 3 EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



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M&K project number

REVISIONS:

126-21020

issue date: 06-12-2

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DETAIL

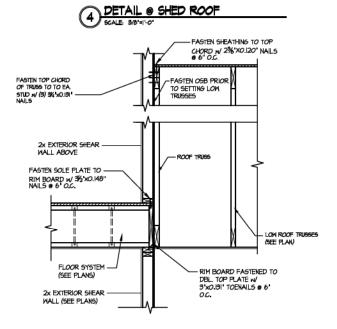
RAMING

DRAYTON RALEIGH, NC

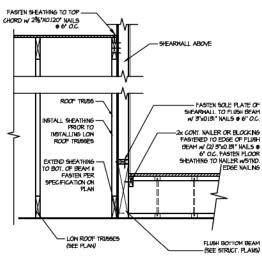
SD2.1A.

JTR

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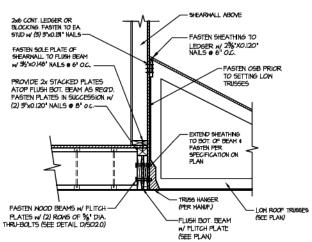
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



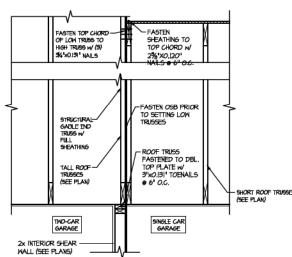
EXTERIOR SHEARWALL ABOVE

-2x CONT. NAILER OR BLOCK NG FASTENED TO EDGE OF FLUSH BEAM W (2) 3 % 0.13" NAILS 0 6' O.C. FASTEN FLOOR SHEATHING TO NAILER WOTND. EDGE NAILNG SHEAR TRANSFER DETAIL @

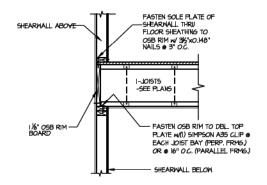
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW SCALE: 9/4":-1"-0" PAR



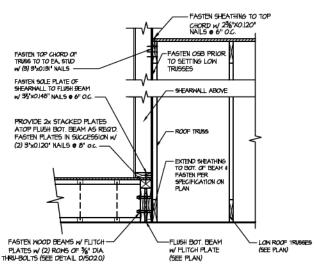
SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE



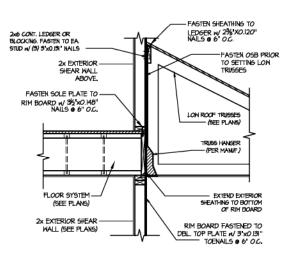
TYPICAL SHEAR TRANSFER DETAIL 9 BETWEEN GARAGE BAYS



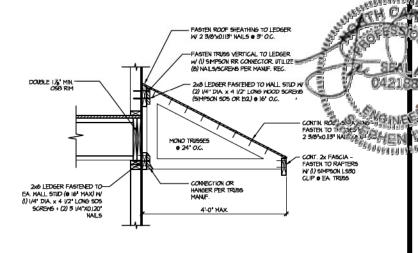
SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW

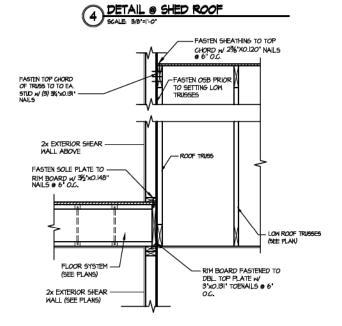


SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL DETMEEN FLOORS @ INTERIOR WALL





TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

> FRAMING DETAIL DRAYTON RALEIGH, NC **SD2.1BJ**

11/23/2021

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M&K project number

drawn by:

REVISIONS:

126-21020

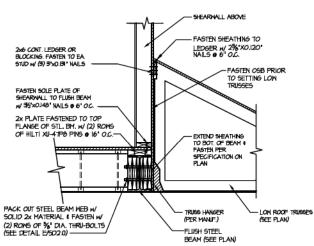
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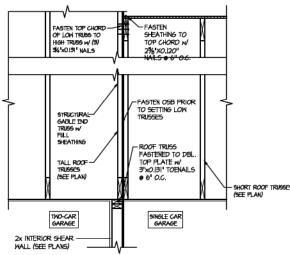
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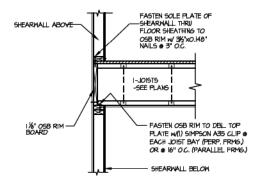
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW SCALE: 9/4":-1"-0" PAR



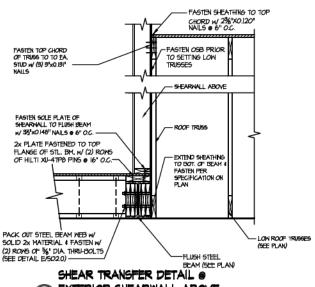




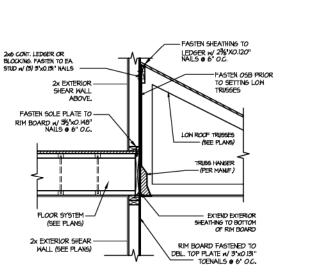
TYPICAL SHEAR TRANSFER DETAIL 9 BETWEEN GARAGE BAYS



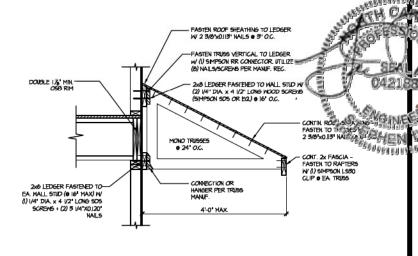
SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW

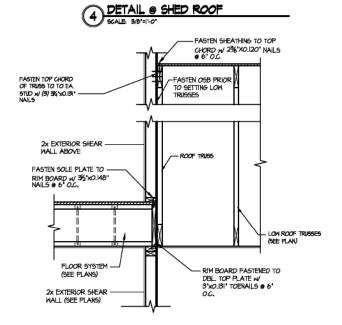


TYPICAL SHEAR TRANSFER DETAIL EXTERIOR SHEARWALL ABOVE DETMEEN FLOORS @ INTERIOR WALL



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL





FRAMING DETAIL DRAYTON RALEIGH, NC

MULHERN+KUL

M&K project number

drawn by:

REVISIONS:

126-21020

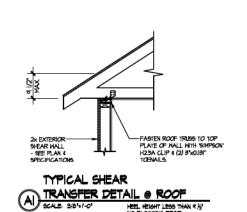
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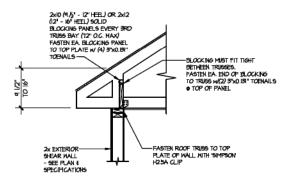
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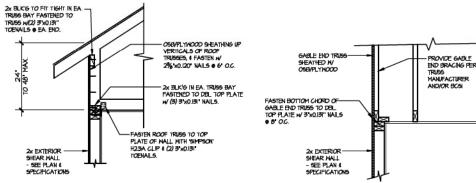
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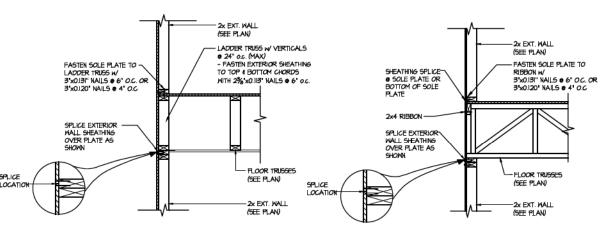
HEEL HEIGHT LESS THAN 4½" NO BLOCKING REQD



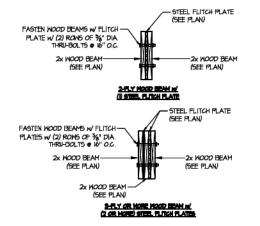








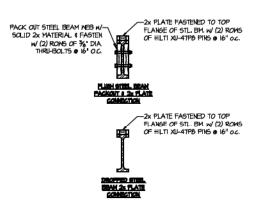




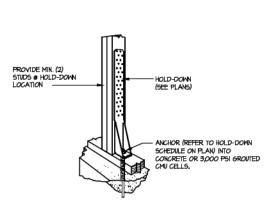
TYPICAL SHEAR TRANSFER

A3 DETAIL @ RAISED HEEL TRUSS





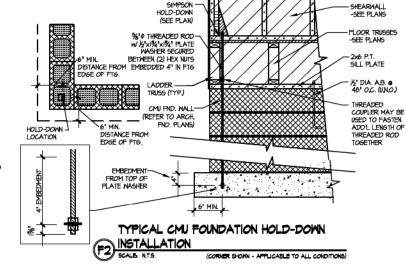
TYPICAL STEEL BEAM CONNECTION DETAIL



TYPICAL HOLD DOWN INSTALLATION SCALE NTS.

TYPICAL SHEAR TRANSFER DETAIL

CI BETWEEN FLOORS & EXTERIOR MALL



M RAMING DETAIL DRAYTON RALEIGH, NC

MULHERN+KUL M&K project number

11/23/2021

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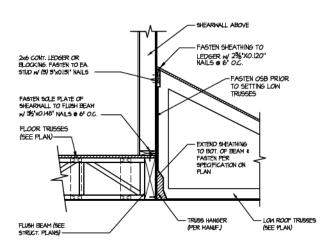
> 126-21020 project mgr: JTR drawn by: issue date: 06-12-2

REVISIONS: initial:

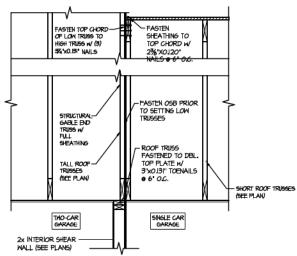
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SD2.07

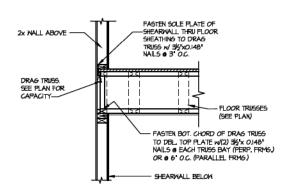
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW



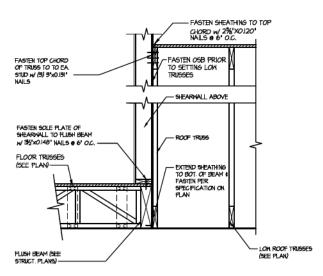
SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE



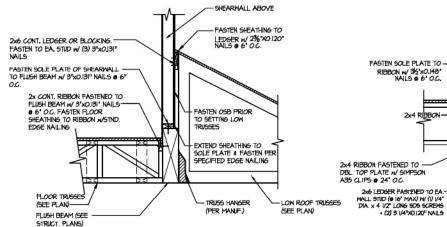
TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS



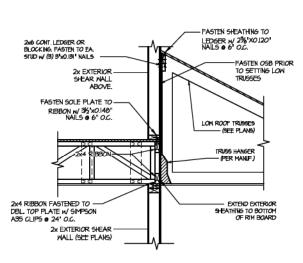
SHEAR TRANSFER DETAIL @ INT. SHEARWALL ABOVE & BELOW



SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



HONO TRUSSES 9 24 O.C.

HANGER PER TRUSS MANUF.

4'-0' MAX

2x4 RIBBO

- 2x0 LEDGER FASTENED TO WALL STUD WI (2) V4* DIA. x 4 V2* LONG MOOD SCREMS (SIMPSON SDS OR EQ.) @ 16* O.C.

- CONTIN. ROOF : A)AN FASTEN TO TRUSS: 2 5/6/x0 ll3' NAILS 6

IERN+KUL

M&K project number

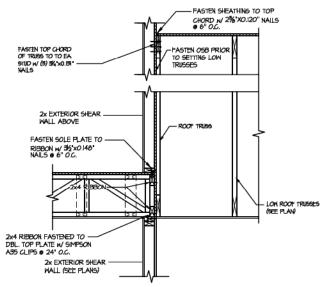
drawn by:

REVISIONS:

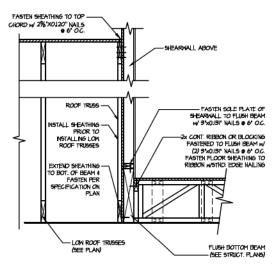
126-21020

issue date: 06-12-2

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TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



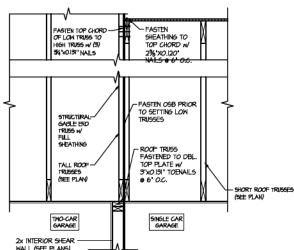
SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

DETAIL TON NC RAMING DRAY RALEIGH, 1 SD2.1AT

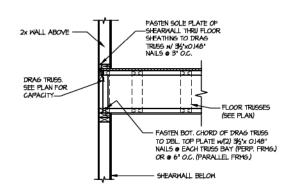
SHEAR TRANSFER DETAIL @ INTERIOR SHEARMALL BELOW

- SHEARWALL ABOVE FASTEN SHEATHING TO LEDGER N/ 2% XO.120" NAIL5 @ 6" O.C. FASTEN SOLE PLATE OF SHEARWALL TO FLUSH BEAM W 35 XO148 NAILS 0 6 O.C. FASTEN OSB PRIOR PROVIDE 2x STACKED PLATES ATOP FLUSH BOT. BEAM AS REQ'D. FASTEN PLATES IN SUCCESSION W FLOOR TRUSSES (SEE PLAN) EXTEND SHEATHING TO BOT, OF BEAM & FASTEN PER SPECIFICATION ON PLAN FASTEN MOOD BEAMS W/ FLITCH PLATES W/ (2) ROWS OF %" DIA. THRU-BOLTS (SEE DETAIL D/SD2.0) -Flush Bot. Beam W Flitch Plate (See Plan) SHEAR TRANSFER DETAIL @

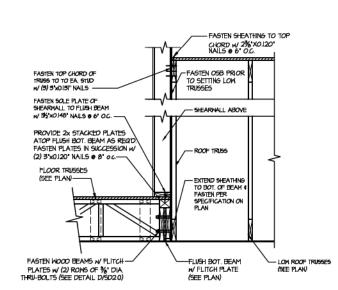
5 EXTERIOR SHEARWALL ABOVE



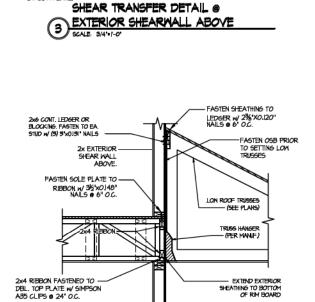
TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS



SHEAR TRANSFER DETAIL @ INT. SHEARMALL ABOVE & BELOW



SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



2x6 CONT. LEDGER OR BLOCKING.

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

TO FLUSH BEAM W/ 3"XO.131" NAILS @ 6"

2x CONT. NAILER OR BLOCKING FASTENED TO EDGE OF FILISH BEAM W 3'XO ISI" NAILS & 6' O.C. FASTEN FLOOR SHEATHING TO NAILER WISTIND. EDGE NAILING

(SEE PLAN)-

FLUSH BEAM (SEE STRUCT, PLANS)

- SHEARWALL ABOVE - FASTEN SHEATHING TO

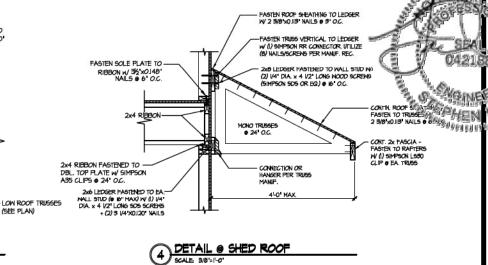
SOLE PLATE & FASTEN PER

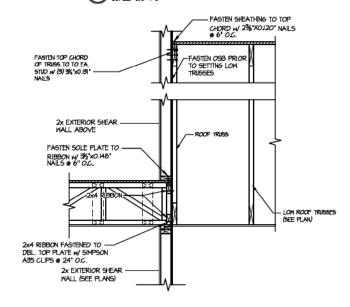
(SEE PLAN)

SPECIFIED EDGE NAILING

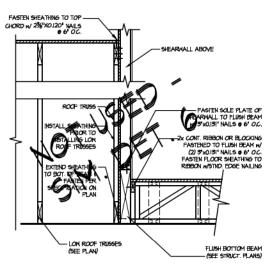
TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL

WALL (SEE PLANS)





TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE

DRAY RALEIGH, 1 SD2.1BT

IERN+KUL

M&K project number

drawn by:

REVISIONS:

126-21020

issue date: 06-12-2

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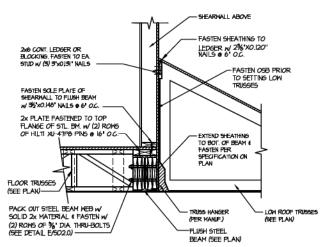
DETAIL

RAMING

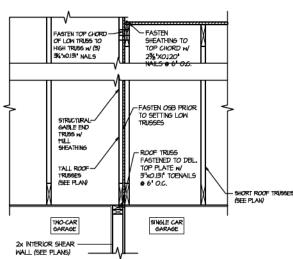
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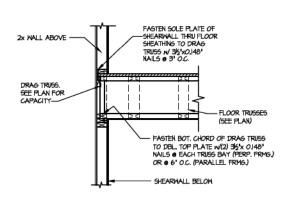
SHEAR TRANSFER DETAIL @ INTERIOR SHEARMALL BELOW



SHEAR TRANSFER DETAIL @ 5 EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL BETWEEN GARAGE BAYS

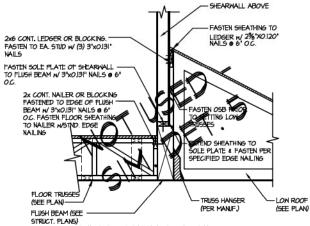


SHEAR TRANSFER DETAIL @ INT. 2 SHEARWALL ABOVE & BELOW

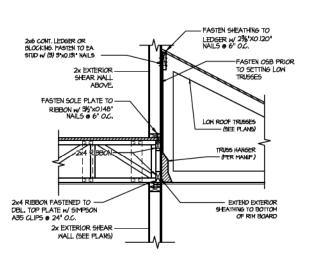
FASTEN SHEATHING TO TOP CHORD w/ 2%"X0 120" NAILS @ 6" 0.C. FASTEN TOP CHORD OF TRUSS TO TO EA. STUD W (3) 3 XO.BI NAILS TO SETTING LOW TRUSSES - SHEARWALL ABOVE Fasten sole plate of Shearmall to flush beam W 35'x0.148' nails • 6' o.c. -2x PLATE FASTENED TO TOP FLANSE OF STL. BM. w/ (2) RONS OF HILTI XU-41P8 PINS @ 16" O.C.— TO BOT. OF BEAM OF FASTEN PER SPECIFICATION ON PLAN FLOOR TRUSSES PACK OUT STEEL BEAM WEB w/ - LOW ROOF TRUSSES SOLID 2x MATERIAL & FASTEN W

(2) ROWS OF %' DIA. THRU-BOLTS
(SET DETAIL E/5D2.0) -Flush Steel Beam (See Plan)

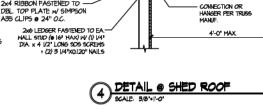
SHEAR TRANSFER DETAIL @ 6 EXTERIOR SHEARWALL ABOVE



SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE



TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



MONO TRUSSES 9 24' O.C.

FASTEN SOLE PLATE TO

2x4 RIBBON FASTENED TO — DBL. TOP PLATE W/ SIMPSON

FASTEN ROOF SHEATHING TO LEDGER W 2 3/8 x0.113 NAILS 0 3 O.C.

-Fasten truss vertical to ledger w/() simpson RR connector utilize (b) nails/screms per Manuf. Rec.

- 2x8 LEDGER FASTENED TO WALL STUD \\\
(2) I/4" DIA: x 4 I/2" LONG MOOD SCRENS\\\
(SIMPSON SOS OR EQ.) ● 16" O.C.

CONTIN ROOT SEATH SEASON SEATH TO TRUE STATE OF THE SEATH TO TRUE STATE OF THE SEATH SEA

- CONT. 2x FASCIA -FASTEN TO RAFTERS W/ (1) SIMPSON L530 CLP • EA. TRUSS

HERN+KUL®

M&K project number

drawn by:

REVISIONS:

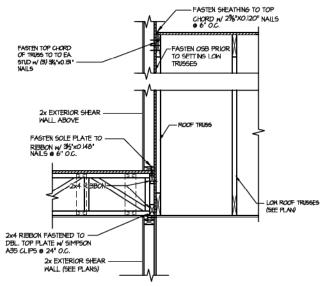
126-21020

issue date: 06-12-2

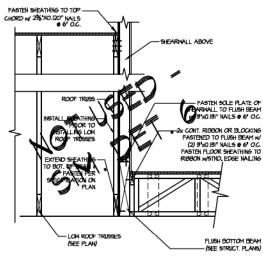
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TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL



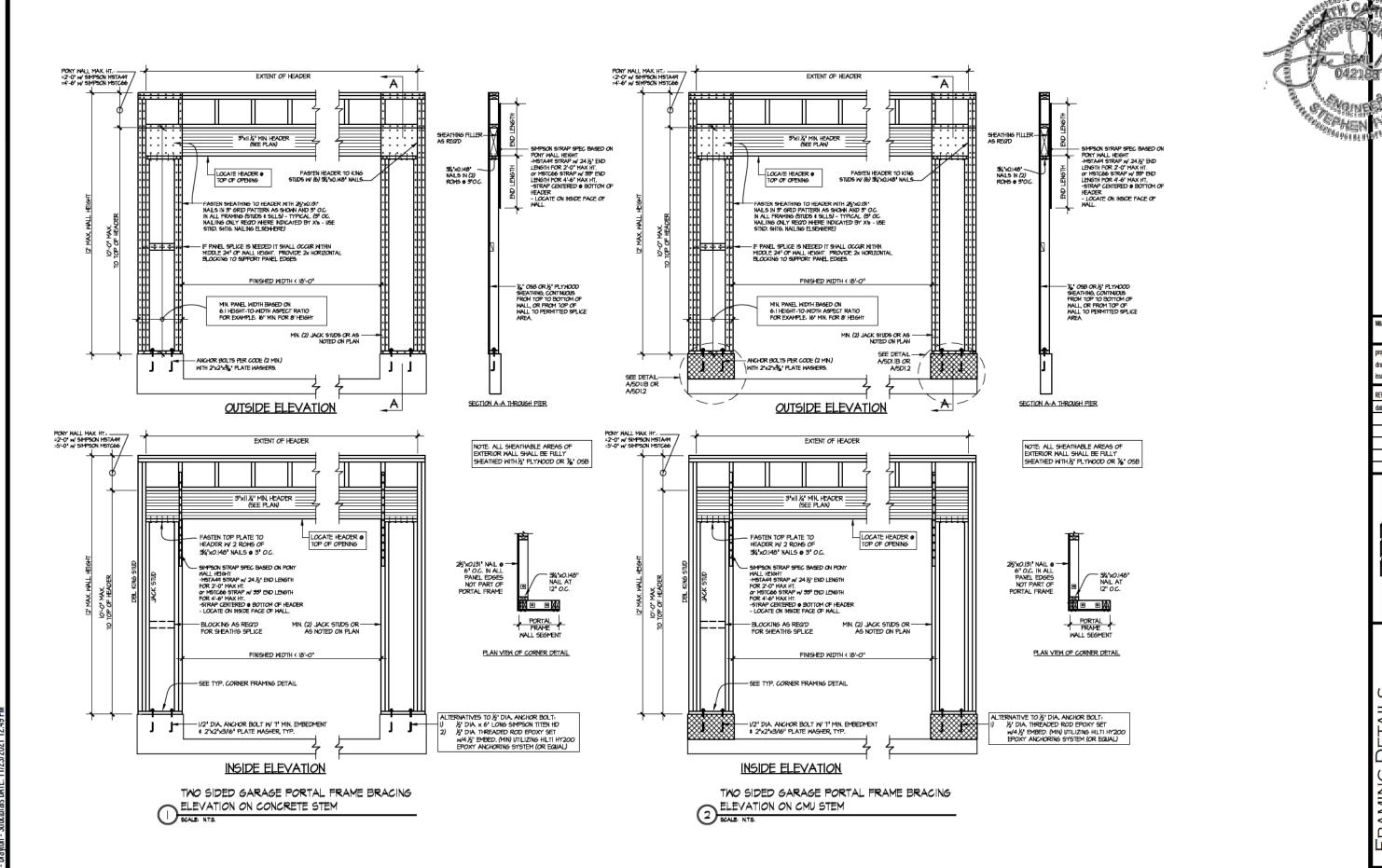
EXTERIOR SHEARWALL ABOVE

SHEAR TRANSFER DETAIL @

RAMING DRAY RALEIGH, 1 SD2.1CT

DETAIL

TON NC



Ell E: DI U Desirtem Grandinale DATE: 11/22/2021 12:40 DM

FRAMING DETAIL DRAYTON RALEIGH, NC

11/23/2021

MULHERN+KUL

M&K project number: 1 26-2 1 0 2 C

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initial:

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issue date: 06-12-2

project mgr:

drawn by:

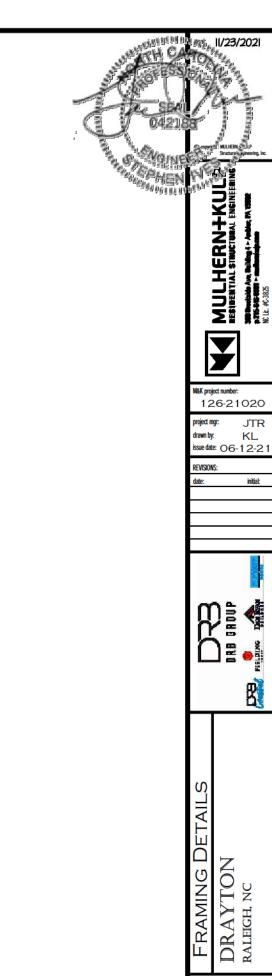
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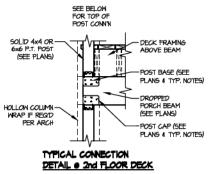
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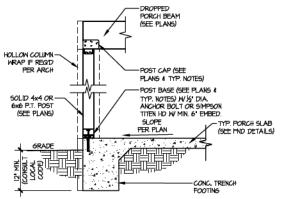
B

SD2.



SD3.0



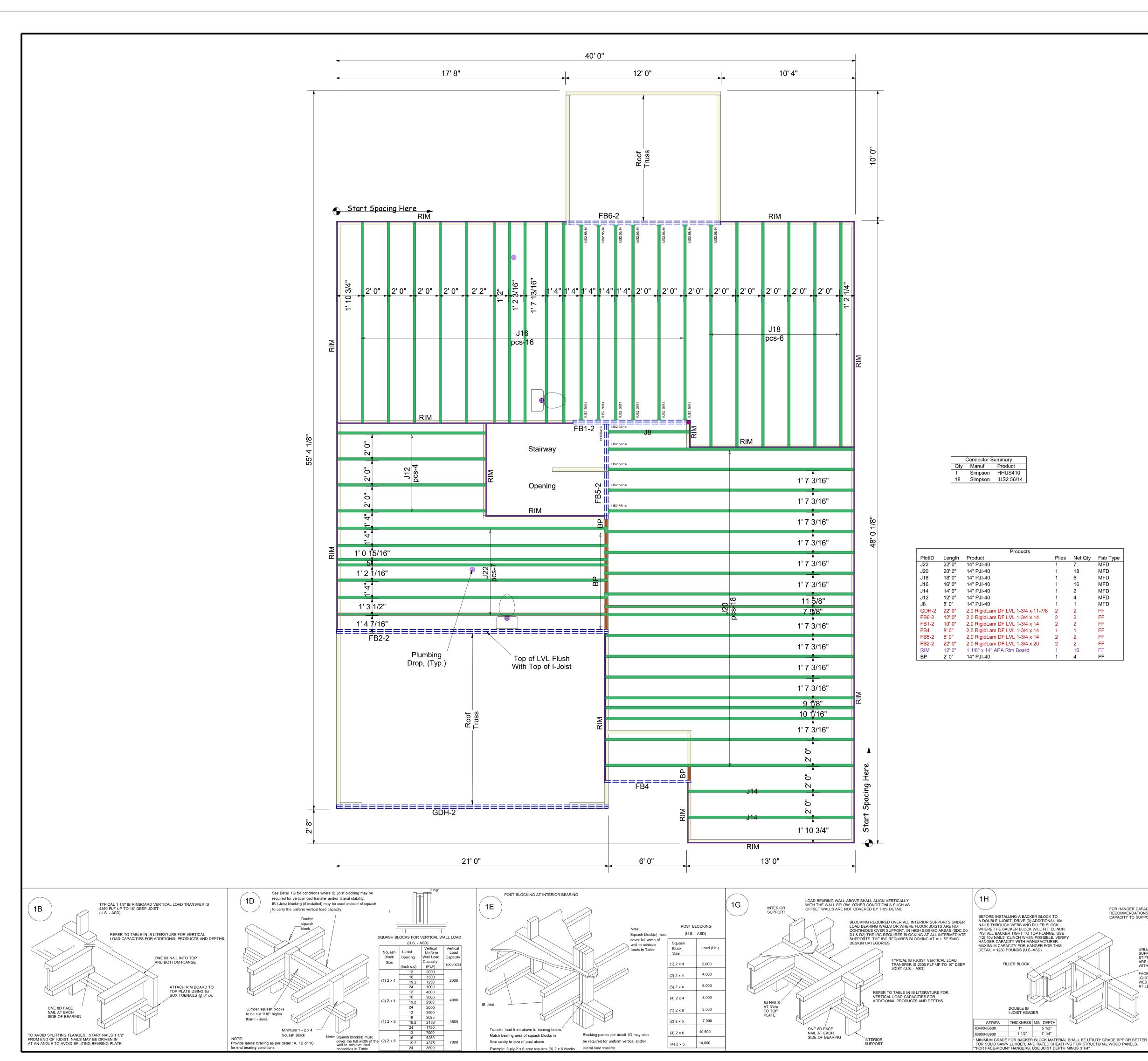


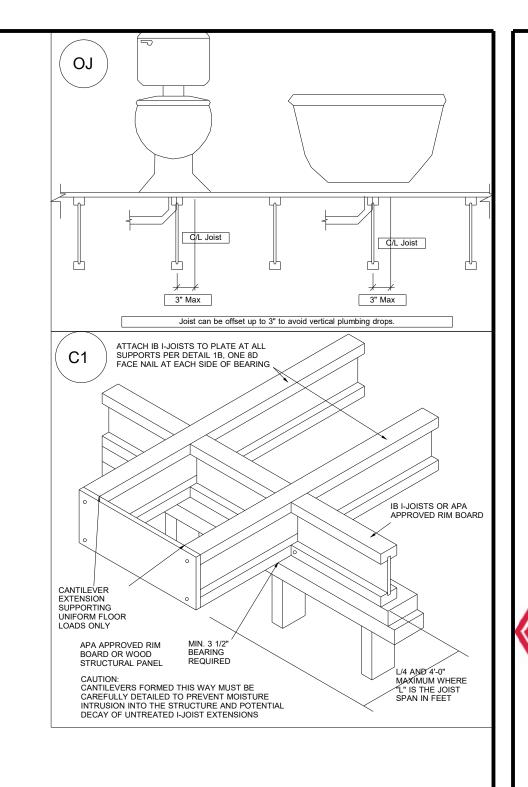
TYPICAL PORCH

POST CONNECTION DETAIL

SCALE: NONE

SLAD ON GRADE SHOWN
(SIM & CRANL & BENT)





SOLID UNDER ALL POST ABOVE - TYPICAL AT AL

2nd Floor I-Joist

MFD

FOR HANGER CAPACITY SEE HANGER MAUNFACTURES RECOMMENDATIONS. VERIFY DOUBLE IB I-JOIST CAPACITY TO SUPPORT CONCENTRATED LOADS.

FILLER BLOCK

UNLESS TOP-MOUNT HANGER SIDES LATERALLY SUPPORT THE TOP FLANGE, BEARING WEB STIFFENERS SHALL BE USED. BACKER BLOCKS ARE NOT REQUIRED FOR TOP MOUNT HANGERS WITH REACTIONS LESS THAN 250 POUNDS (U.S.-ASI

JOIST DEPTH SHALL HAVE FULL DEPTH BEARING WEB STIFFENERS AND SHALL HAVE SIDE FLANGES AT LEAST 60% OF THE JOIST DEPTH.

BACKER BLOCK REQUIRED BOTH SIDES FOR FACE MOUNT HANGERS SEE HANGER MANUFATURED INSTALL DETAILS

ALL NAILS SHOWN IN THESE DETAILS TO BE COMMON NAILS UNLESS OTHERWISE NOTED. 10d BOX MAILS MAY BE SUBSTITUTED FOR

DRAWING SCALE: NTS

BBO = Beam by Others **PBO** = Post by Others

GBO = Girder by Others

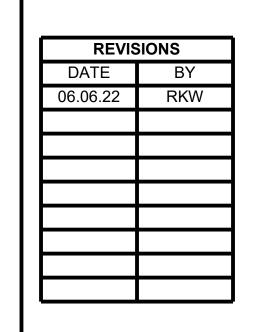
J = I-Joist

FB = Flush Beam

DB = Dropped Beam

BP = Blocking Panels

SB = Squash Blocks



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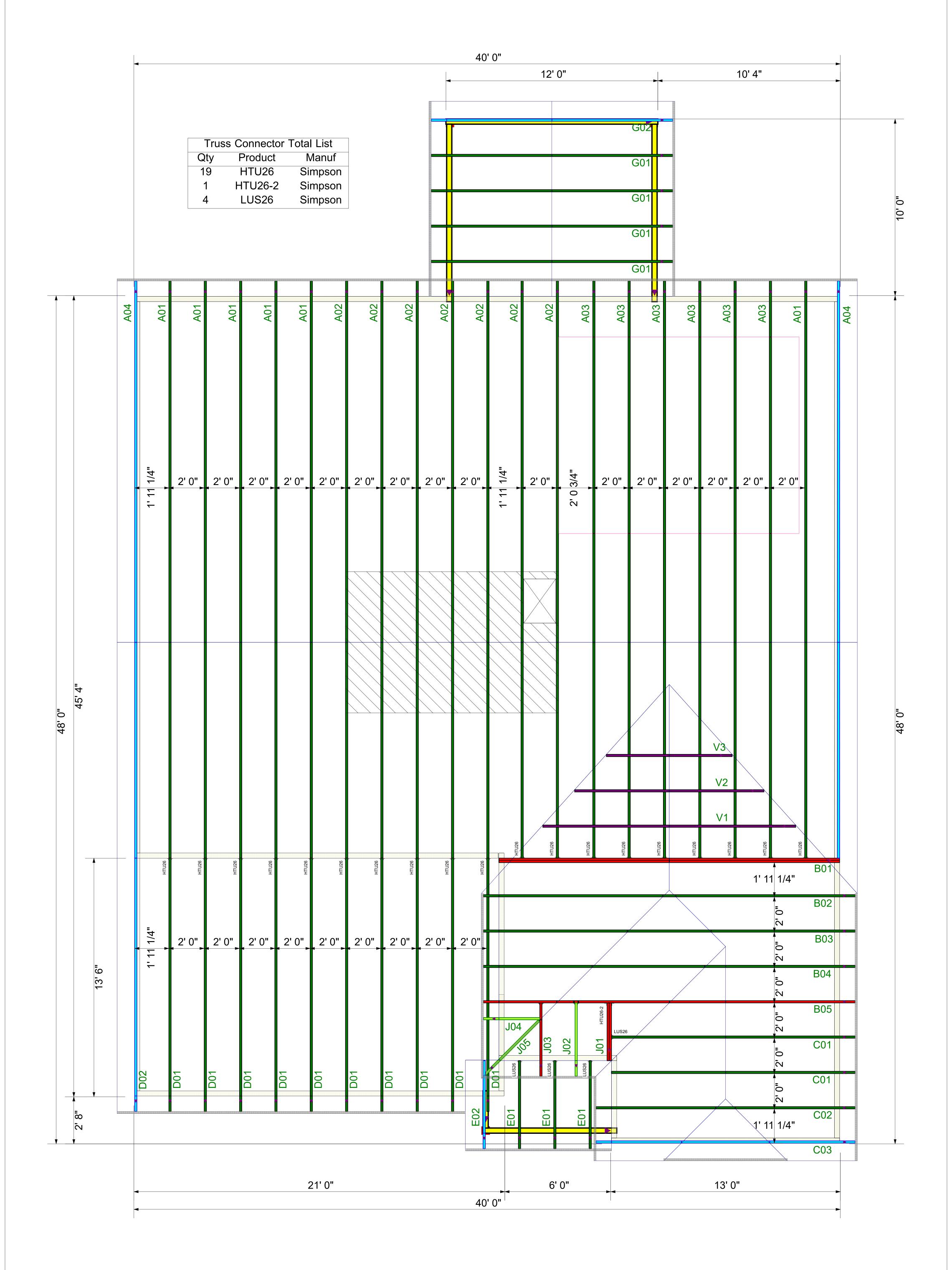
PL

OOR

H

2nd

PROJECT NUMBER SHEET NUMBER



ROOF LAYOUT DRAWING SCALE: NTS

PROJECT NUMBER	REVISIONS
22060002	DATE BY
SHEET NUMBER	6-6-22 ND
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- , -	

DRB GROUP

DRAYTON 5 - 77 FARM AT NEILLS CREEK

ROOF TRUSS LAYOUT

