



FRONT ELEVATION 2

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



REAR ELEVATION 2

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

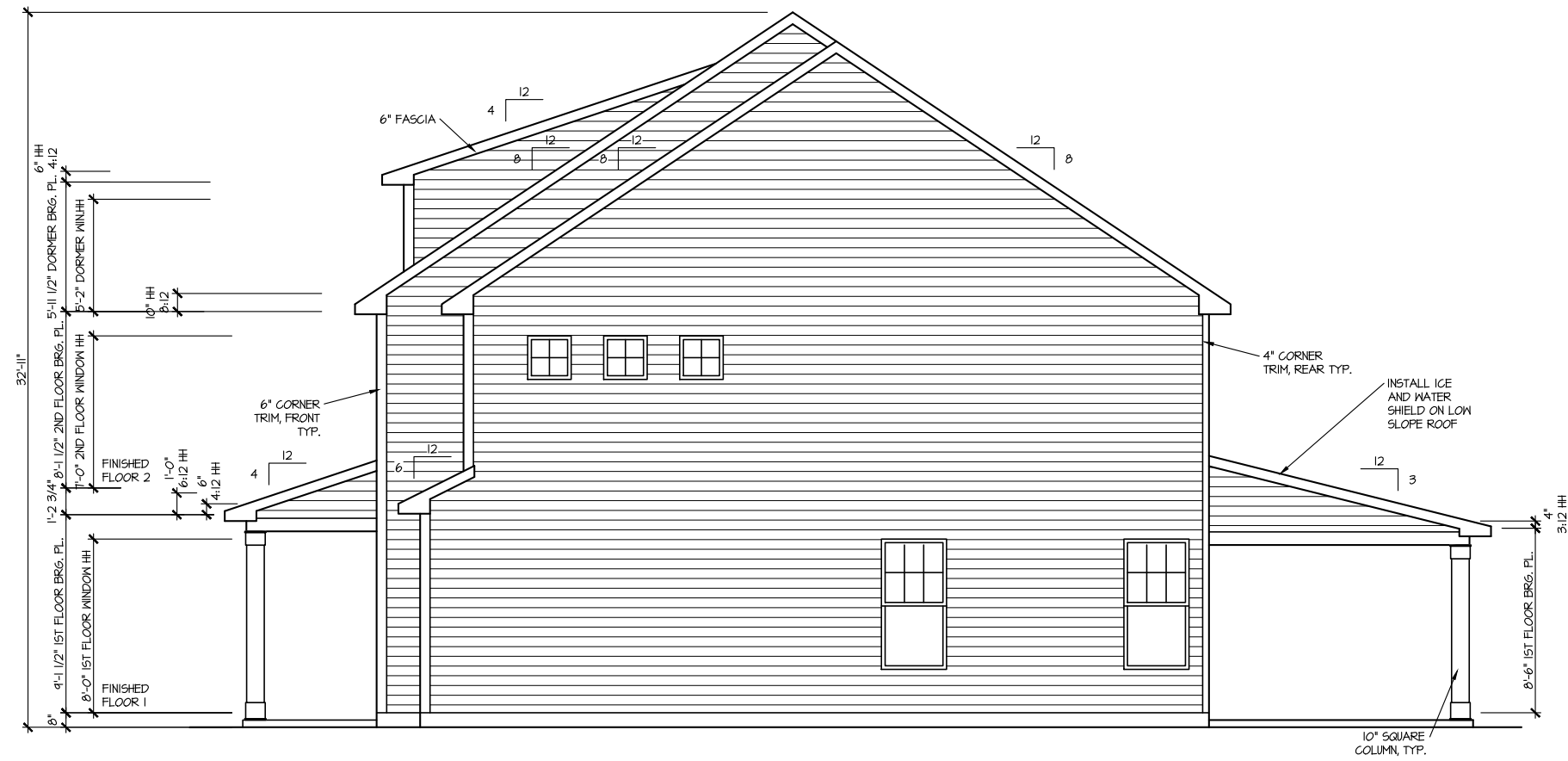
MASTER PLAN INFORMATION	
REVISION	DATE
R99	12-21-2021
UPDATED DATE	01-13-2022

DRAWN BY:	ITS
DATE:	03/24/2022
PLAN NO.	2491



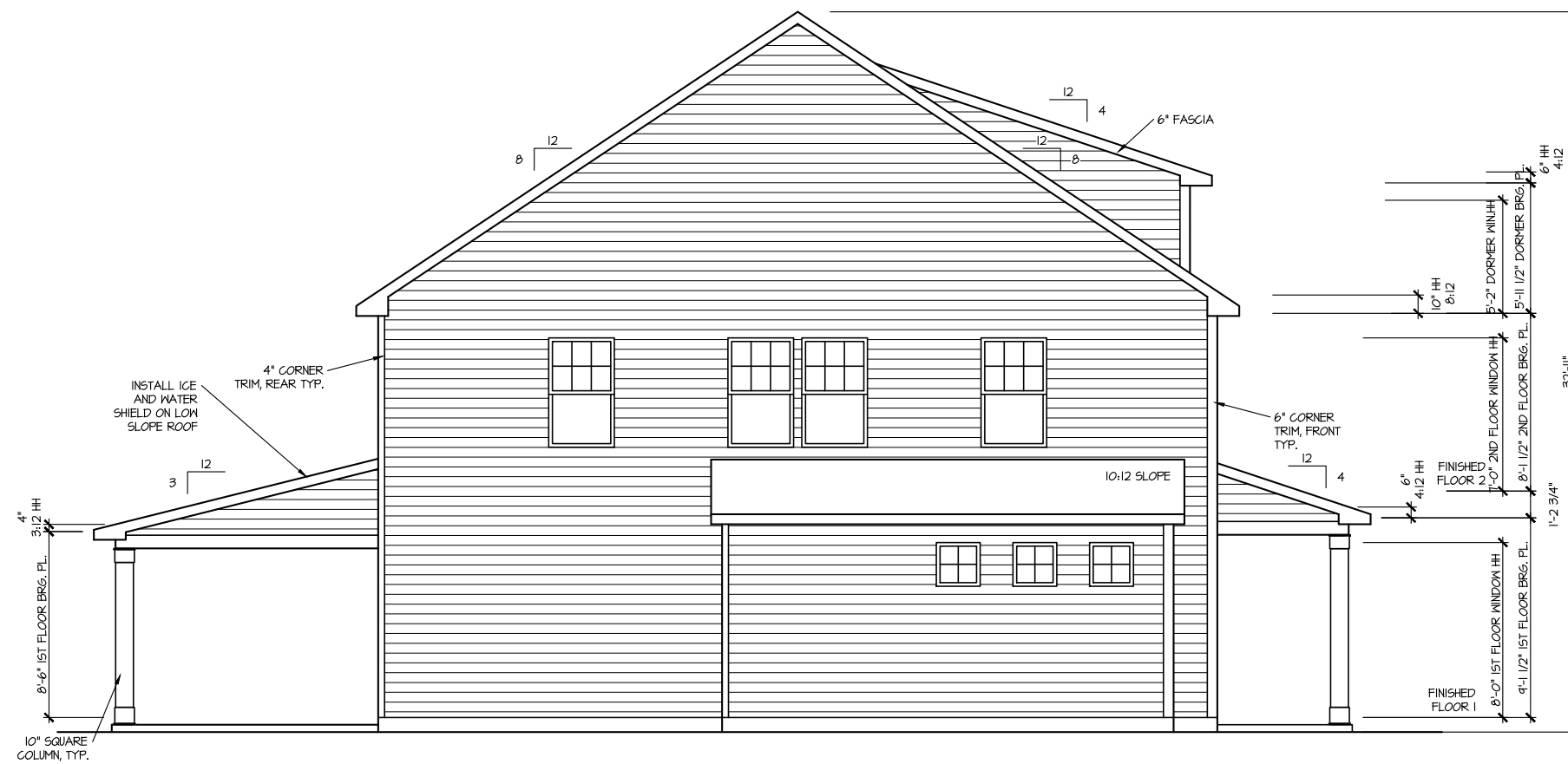
HOUSE NAME:	BURTON
DRAWING TITLE	FRONT & REAR ELEVATIONS

SHEET No.	A.I.
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RIGHT ELEVATION 2

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



LEFT ELEVATION 2

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

MASTER PLAN INFORMATION	
REVISION	DATE
R99	12-21-2021
	01-13-2022

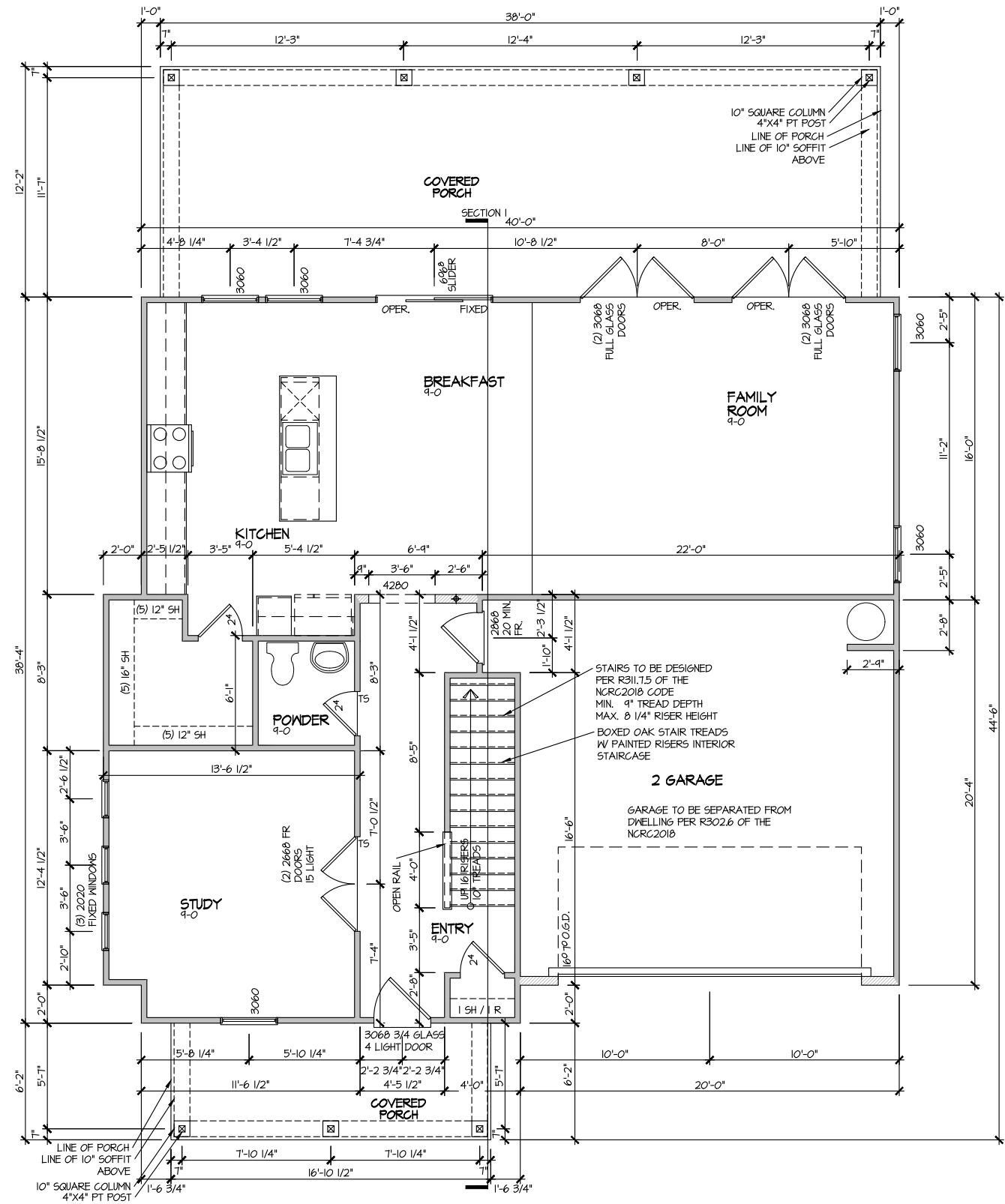
DRAWN BY:	ITS
DATE:	03/24/2022
PLAN NO.	2491






HOUSE NAME:	BURTON
DRAWING TITLE	RIGHT & LEFT ELEVATIONS

SHEET No.	A1.2
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**ELEVATION 2
FIRST FLOOR PLAN**

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

MASTER PLAN INFORMATION	
REVISION	DATE
R99	12-21-2021
UPDATED DATE	01-13-2022

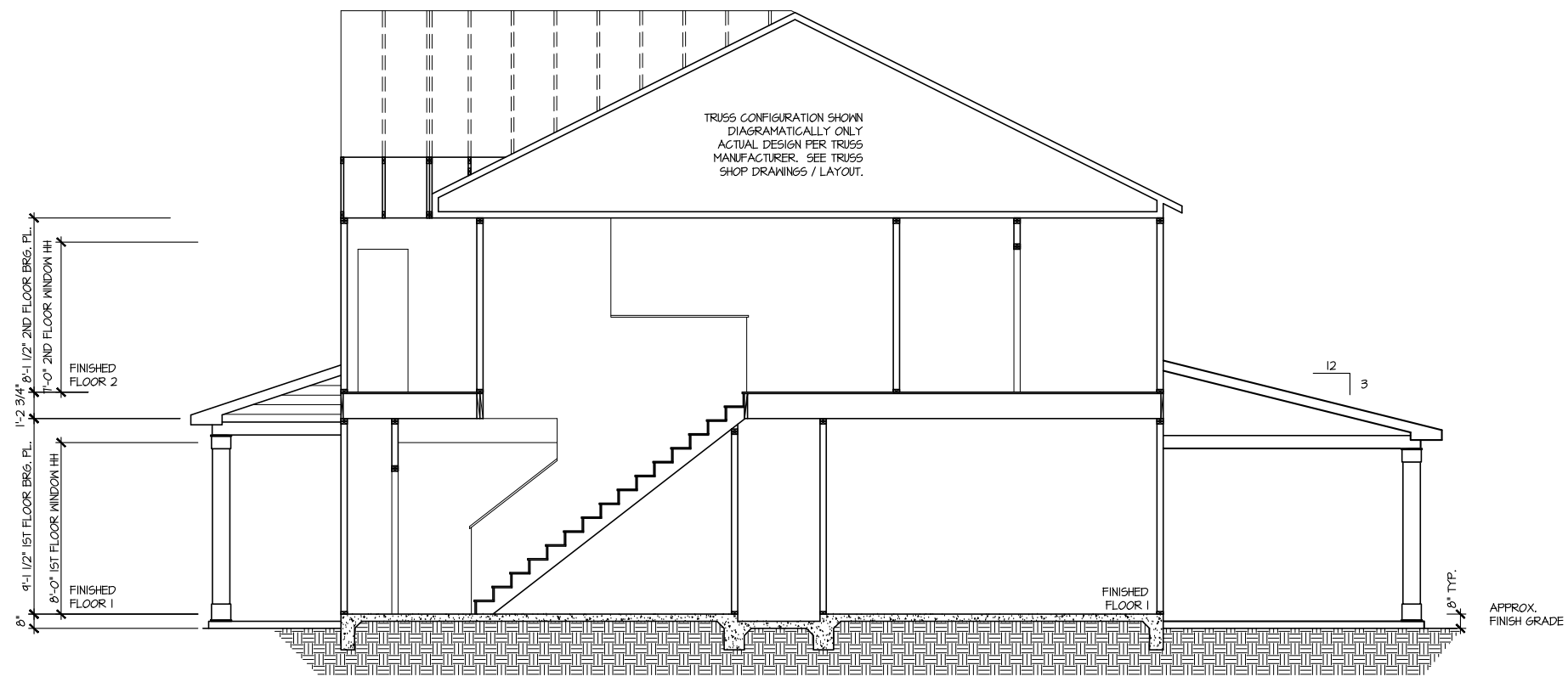
DRAWN BY:	ITS
DATE:	03/24/2022
PLAN NO.	2491





HOUSE NAME:	BURTON
DRAWING TITLE	FIRST FLOOR PLAN

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

MASTER PLAN INFORMATION		UPDATED DATE
REVISION	DATE	
R99	12-21-2021	01-13-2022

DRAWN BY:
ITS
DATE:
03/24/2022
PLAN NO.
2491

DRB
DRB GROUP

FIELDING
CONSTRUCTION

DRB
Central

DRB
Central

DRB
Central

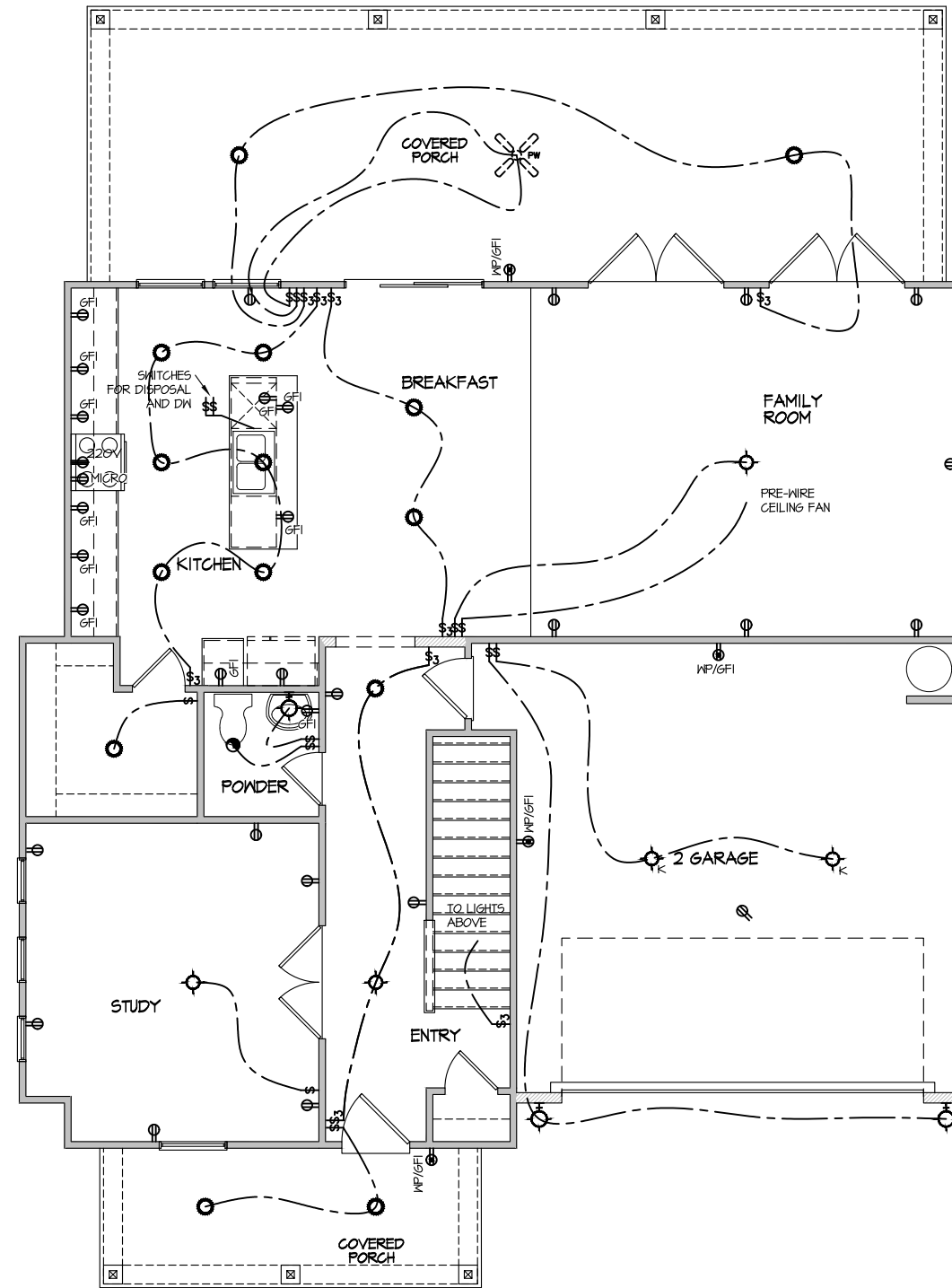
HOUSE NAME:
BURTON
DRAWING TITLE
BUILDING SECTION

SHEET No.
A4.1

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
- GFI ⊕ DUPLEX AFCI RECEPTACLE - GFI
- WP/GFI ⊕ DUPLEX AFCI RECEPTACLE - WATERPROOF GFI
- ⊕ SMOKE DETECTOR - WIRED IN SERIES
- ⊕ EXHAUST FAN MOTOR
- ⊕ TV JACK
- ⊕ TV JACK
- ⊕ CO / SMOKE DETECTOR
- ⊕ DOOR CHIME
- ⊕ LIGHT FIXTURE - WALL MOUNTED
- ⊕ LIGHT FIXTURE - CEILING MOUNTED
- ⊕ LIGHT FIXTURE - SURFACE MOUNTED LED
- ⊕ FULLCHAIN LAMPHOLDER
- ⊕ KEYLESS LAMPHOLDER
- ⊕ MOTION SENSOR FLOOD LIGHT

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
R99	12-21-2021
	01-13-2022

DRAWN BY:	ITS
DATE:	03/24/2022
PLAN NO.	2491





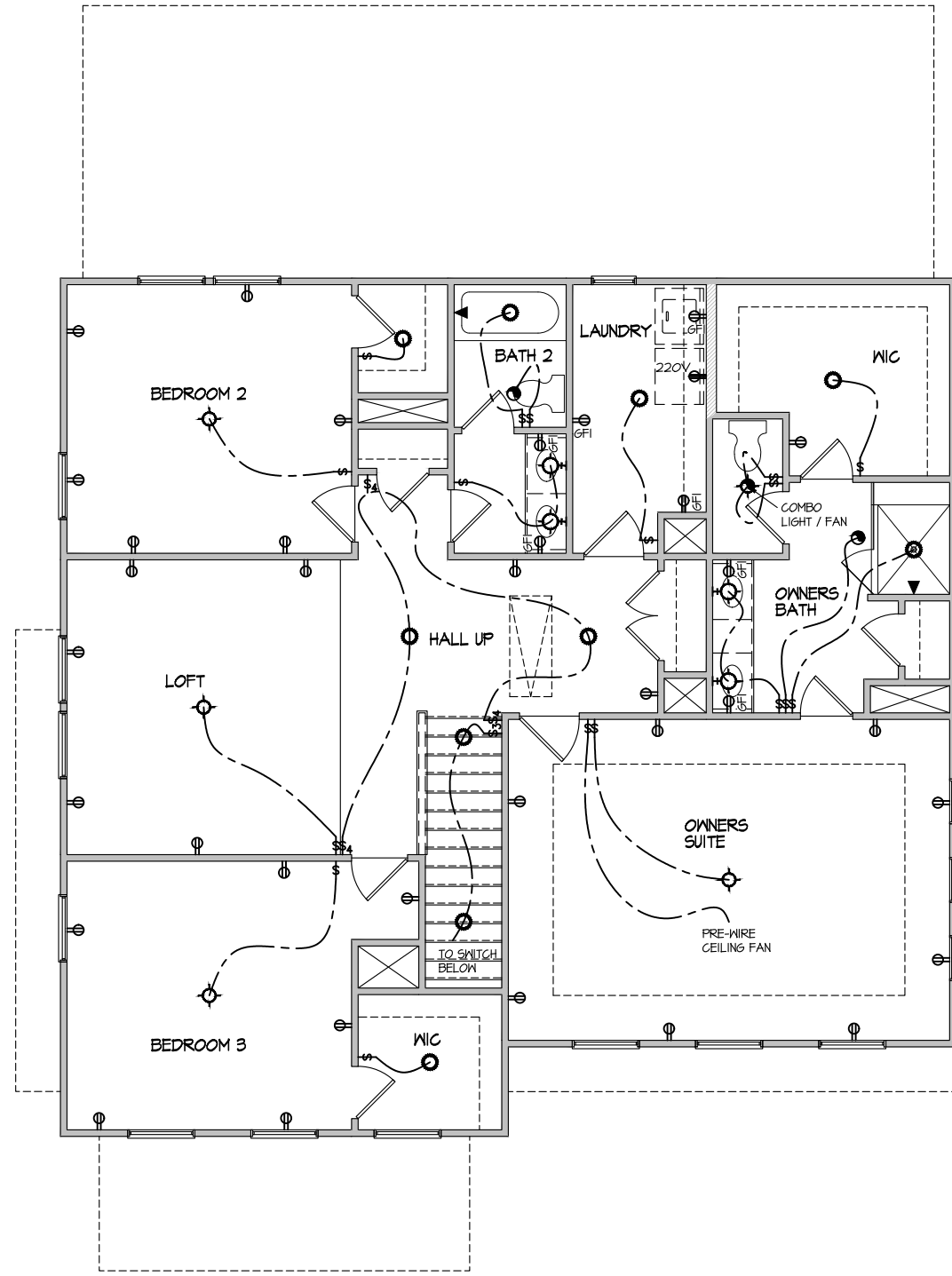
HOUSE NAME:	BURTON
DRAWING TITLE	FIRST FLOOR ELECTRICAL

SHEET No.
E.1

ELECTRICAL LEGEND

- Ⓢ SINGLE POLE SWITCH
- Ⓢ₃ THREE WAY SWITCH
- Ⓢ₄ FOUR WAY SWITCH
- Ⓢ-R DUPLEX AFCI RECEPTACLE
- Ⓢ-R-Ⓢ DUPLEX AFCI RECEPTACLE - BOTTOM HALF SWITCHED
- Ⓢ-R-Ⓢ-Ⓢ 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
- Ⓢ-EM EXHAUST FAN MOTOR
- Ⓢ-TJ TV JACK
- Ⓢ-TJ TV JACK
- Ⓢ-CO / SMOKE DETECTOR
- Ⓢ-DC DOOR CHIME
- Ⓢ-LM LIGHT FIXTURE - WALL MOUNTED
- Ⓢ-CM LIGHT FIXTURE - CEILING MOUNTED
- Ⓢ-SM LIGHT FIXTURE - SURFACE MOUNTED LED
- Ⓢ-FL FULLCHAIN LAMPHOLDER
- Ⓢ-KL KEYLESS LAMPHOLDER
- Ⓢ-MSFL MOTION SENSOR FLOOD LIGHT

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



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

MASTER PLAN INFORMATION	
REVISION	DATE
R99	12-21-2021
UPDATED DATE	01-13-2022

DRAWN BY: ITS
DATE: 03/24/2022
PLAN NO. 2491

HOUSE NAME: **BURTON**
DRAWING TITLE: **SECOND FLOOR ELECTRICAL**

SHEET No. **E1.2**

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

Table with 3 columns: DESCRIPTION OF BLDG. ELEMENT, 3"x0.131" NAILS, 3"x0.120" NAILS. Rows include JOIST TO SOLE PLATE, SOLE PLATE TO JOIST/BLK'G, STUD TO SOLE PLATE, etc.

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.

NON-BEARING HEADER SCHEDULE

Table with 3 columns: SPAN, 2x4 NON-BEARING PARTITION WALL, 2x6 NON-BEARING PARTITION WALL. Rows include UP TO 3'-0", UP TO 6'-0", UP TO 8'-0".

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

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.

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.

ADDITIONAL NOTES FOR TRUSS & 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.

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.C. LIVE = 16 PSF LOAD DURATION FACTOR = 1.25
FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS & SOLID SAWN) 10 PSF T.C., 5 PSF B.C. (TRUSSES) (ADDL 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 CHARTERED CAPACITY.
REFER TO FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O.
EXT. & INT. BRG WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. 5PF OR 5YP 'STUD' GRADE LUMBER, OR BETTER, U.N.O.

FLOOR FRAMING

- 1-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA.
AT 1-JOIST FLOORS, PROVIDE 1/8" MIN. OSB RIM BOARD.
METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.
1-JOIST/TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH. & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.

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 H25T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS.
METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.
ROOF TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.

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 1604) & ASCE 7-10, AS PERMITTED BY R301.3 OF THE 2018 NCSBC:RC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2015 IRC IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSBC:RC SECTION R602.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5.1 & R602.11.

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.
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.

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 3/4" 16 GA STAPLES (3/4" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

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 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

HOLD-DOWN SCHEDULE

Table with 2 columns: SYMBOL, SPECIFICATION. Rows include HD-1 SIMPSON HTT4 HOLD-DOWN, HD-2 SIMPSON MSTC66 STRAP TIE, HD-3 SIMPSON STHD4RJ HOLD-DOWN.

ALTERNATIVE TO 59TB24 ANCHOR BOLT SPECIFICATION:
* UTILIZE SIMPSON 'SET' EPOXY SYSTEM TO FASTEN 5/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF FOUNDATION.

VENEER LINTEL SCHEDULE

Table with 3 columns: SPAN (MAX), HEIGHT OF VENEER ABOVE LINTEL, STEEL ANGLE SIZE. Rows include 3'-0", 6'-0", 8'-0", 4'-6", 16'-0".

ALL LINTELS:
SHALL SUPPORT 2 3/4" - 3 1/2" VENEER W/ 40 psf MAXIMUM HEIGHT.
< 14" SHALL HAVE 4" MIN BEARING
< 14" SHALL NOT BE FASTENED BACK TO HEADER.
14" SHALL BE FASTENED BACK TO HOOD HEADER IN WALL 40d x 6" w/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
MAX VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
ALL LINTELS SHALL BE LONG LEG VERTICAL.
WHEN SUPPORTING VENEER < 8" HIDE THE EXTERIOR 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 MORTAR JOINT FINISHING.
SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.
FOR GREEN VENEER SEE L4034.
* FOR 3 1/2" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3 1/2" THICK.

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 ANCHOR PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT (CONC), 15" MIN. EMBEDMENT (CMU)
SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONC)
SIMPSON MAB23 ANCHOR STRAPS @ 2'-8" O.C. (CMU) (REFER TO DETAILS FOR 10' TALL WALL ANCHOR REQUIREMENTS)

- 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. 5PF OR 5YP, 'STUD' GRADE OR BETTER.
CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
fc = 4,000 psi: FOUNDATION WALLS
2,500 psi: FOOTINGS & INTERIOR SLABS ON GRADE
3,000 psi: GARAGE & EXTERIOR SLABS ON GRADE
fy = 60,000 psi

- 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 BRACINGS 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, U.N.O. LARGER OPENINGS SHALL BE PER PLAN.

- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 1% AIR ENTRAINMENT.
ALL FOOTINGS SHALL BEAR AT LEAST 12" BELOW FINISH GRADE.

- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 45% 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

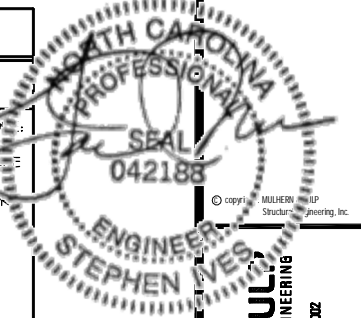
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (Fm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER ACI 530 & 530J.

- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 4 GA. MINIMUM @ 16" O.C.

- PROVIDE 2x6 P.T. PLATE ON TOP OF ALL CRANK SPACE PIERS. ALL PIERS SHALL BE 6" ROUNDED SOLID.

- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRANK SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE.

- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.
BUILDER TO VERIFY THAT MODEL HAS BEEN ADEQUATELY TREATED BY A LICENSED AND BONDED PEST CONTROL COMPANY FOR SUBTERRANEAN TERMITES. METHOD AND TYPE OF TREATMENT TO BE DETERMINED BY PEST CONTROL COMPANY.



M&K project number: 126-21069

project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: initial



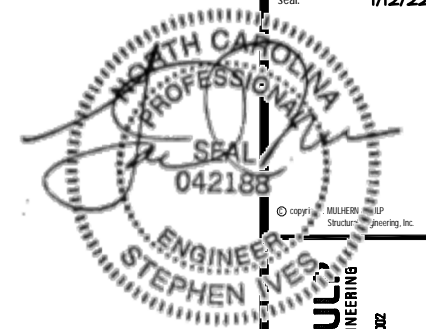
Structural Notes
BURTON MODEL
RALEIGH, NC

sheet: 50.0

REFER TO S.O.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.



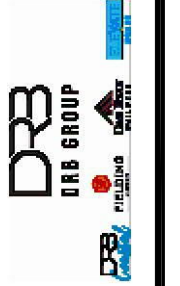
MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERING
300 Brookside Ave. Building 4 • Asheville, PA 18002
P 215-546-8001 • mulhern+kul.com
NC LIC. #C-3825

M&K project number: 126-21069

project mgr: JTR
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issue date: 01-12-22

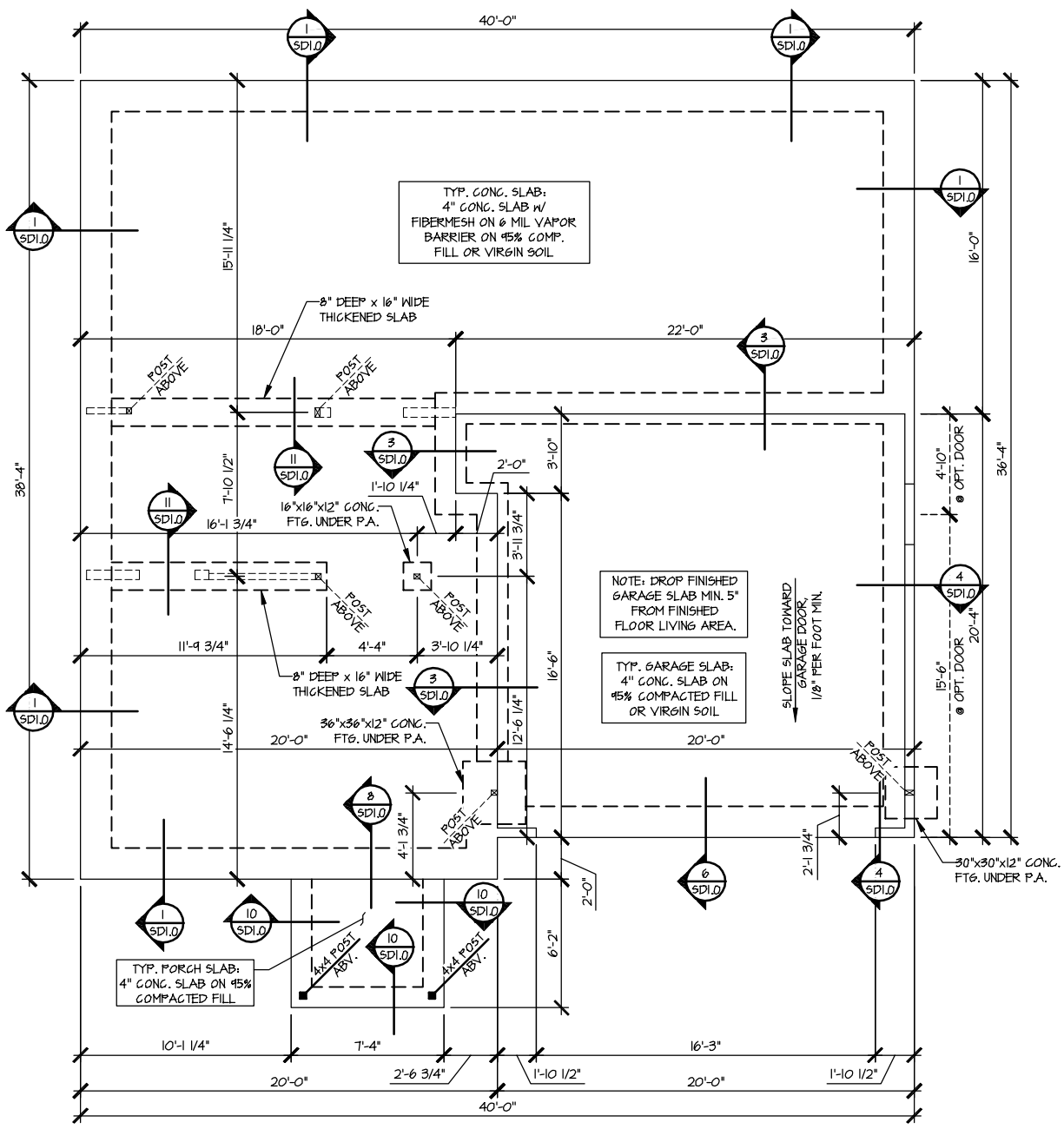
REVISIONS:

date:	initials:

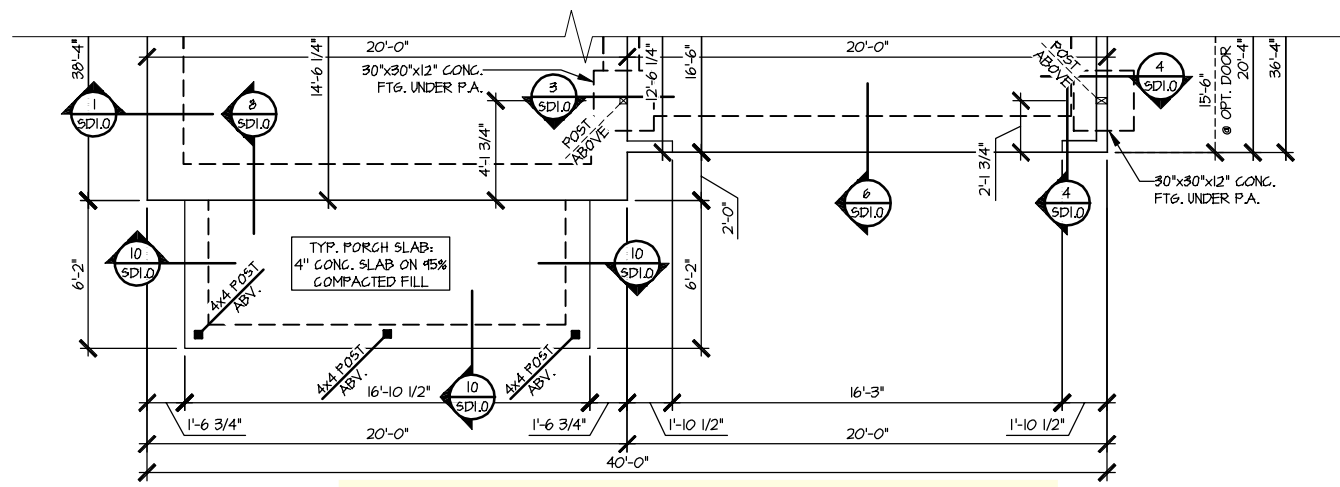


Foundation Plans
BURTON MODEL
RALEIGH, NC

sheet: Right Hand
S1.0



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



2 PARTIAL MONO SLAB FOUNDATION PLAN
SCALE: 1/8"=1'-0"
ELEVATION #2
SEE ELEV. #1 FOR MORE INFO.

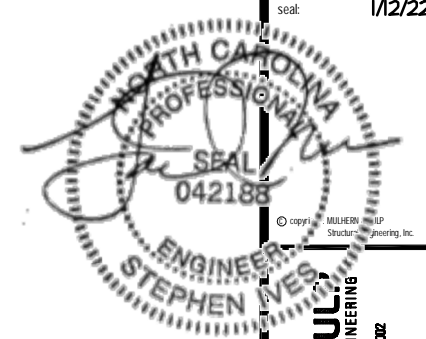
REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

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

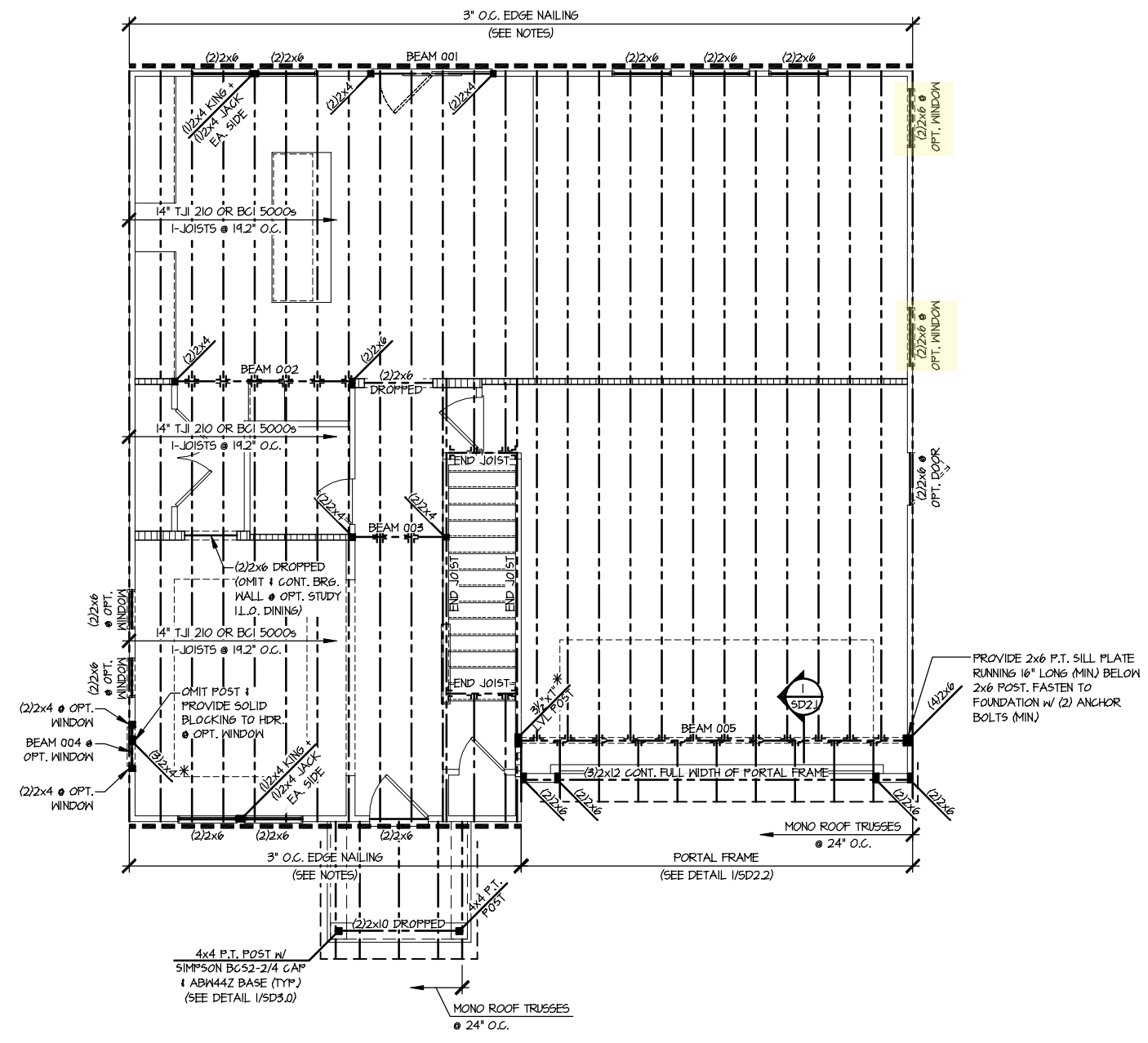
- ▬ INTERIOR BEARING WALL
- ▬ BEARING WALL ABOVE
- ▬ BEAM / HEADER
- ▬ INDICATES SHEAR WALL & EXTENT
- ▬ EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▶ INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.



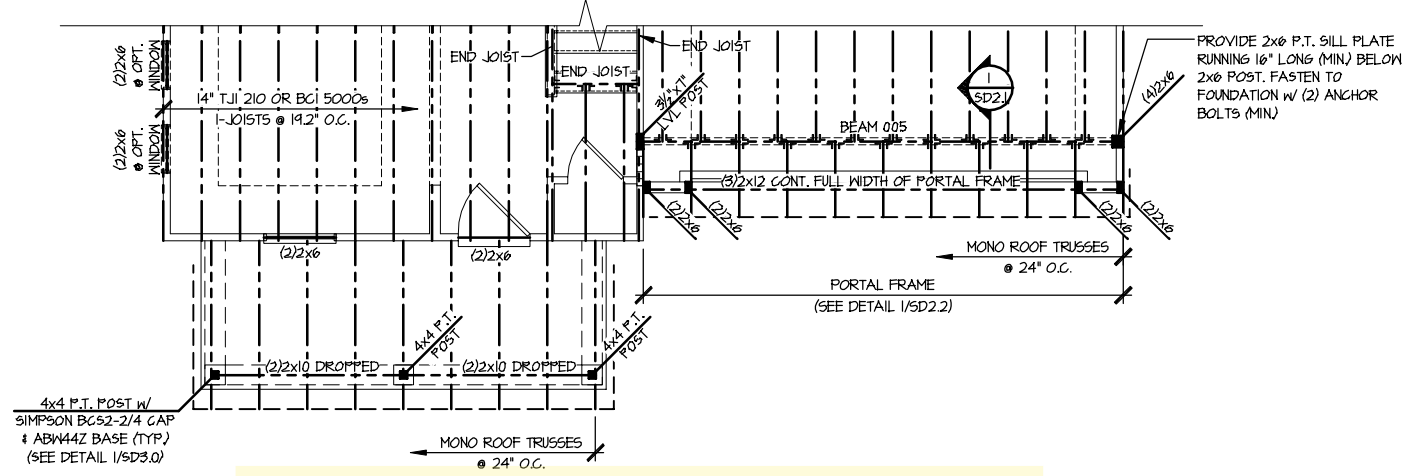
ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
002	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
002A	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
003	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
003A	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
004	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
005	(4)1 1/2"x10" - FT	7"x10" - FT	N/A	(4)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x30 - F
006	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
007	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
008	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
004	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
004A	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
010	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F
010A	(2)1 1/2"x14" - F	3/2"x14" - F	(2)1 1/2"x14" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W12x14 - F

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.



1 2ND FLOOR FRAMING PLAN - I-JOISTS
SCALE: 1/8"=1'-0" ELEVATION #1



2 PARTIAL 2ND FLOOR FRAMING PLAN - I-JOISTS
SCALE: 1/8"=1'-0" ELEVATION #2
SEE ELEV. #1 FOR MORE INFO.

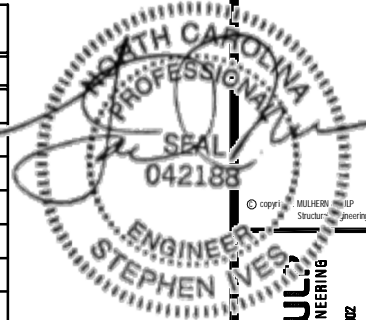
M&K project number:
126-21069

project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: Initial



2nd Flr Framing Plans
BURTON MODEL
RALEIGH, NC



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REVISIONS:
date: initial



Option Framing Plans
BURTON MODEL
RALEIGH, NC

sheet Right Hand
S5.2J

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	18x10 - H
002	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
002A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
003	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
003A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
004	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	18x10 - H
005	(4)1 3/4"x18" - FT	Tx18" - FT	N/A	(4)2x12 + (3) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x30 - F
006	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
007	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
008	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	18x10 - H
004	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
004A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
010	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F
010A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	14L2x14 - F

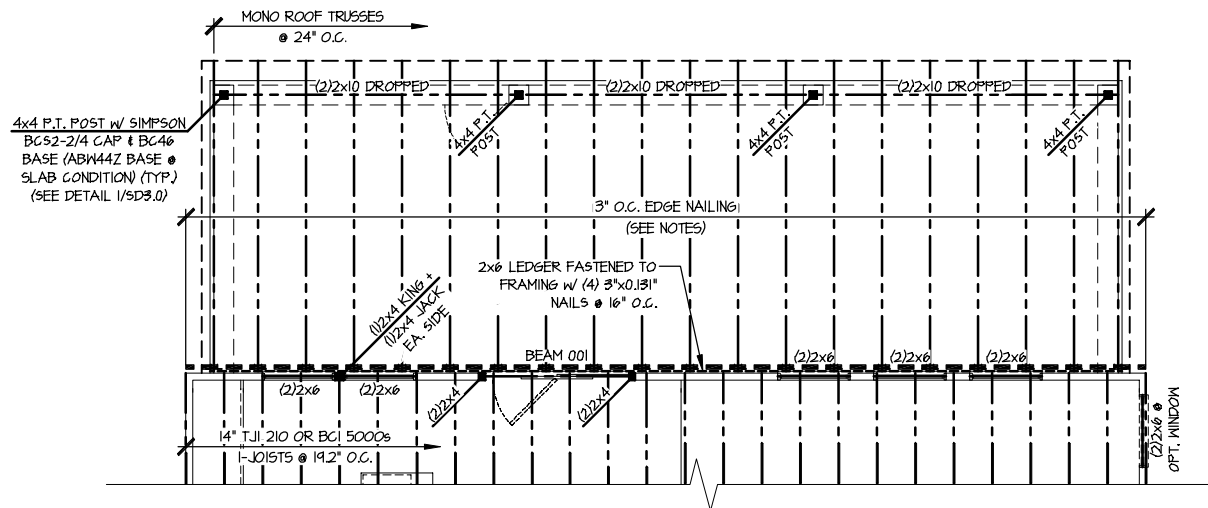
- BEAM NOTATION:
- "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "D" INDICATES DROPPED BEAM
- "H" INDICATES DROPPED OPENING HEADER
- REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
- REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
- 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.

LEGEND

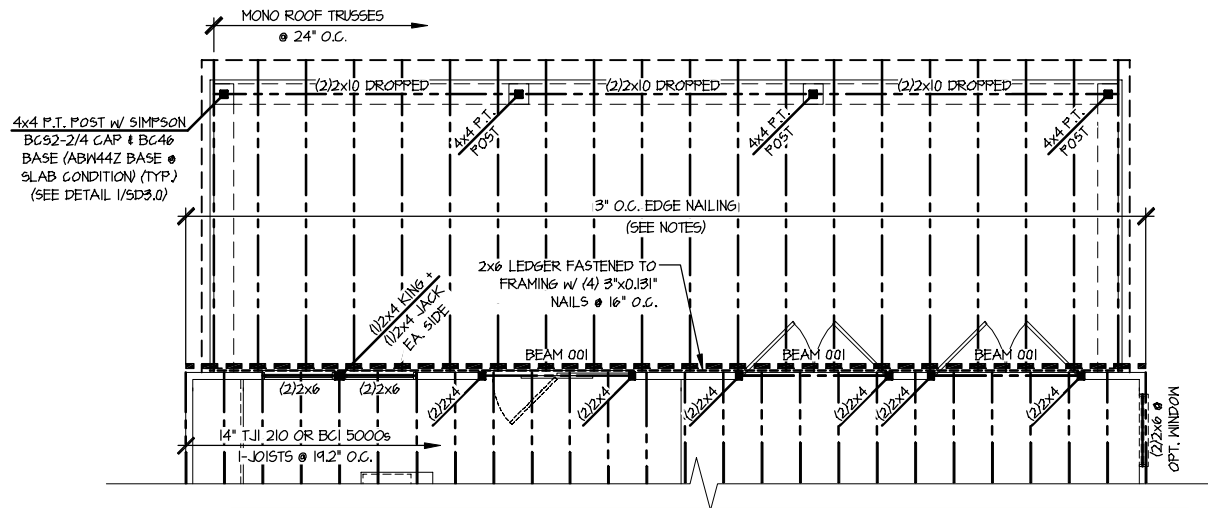
- [Symbol] INTERIOR BEARING WALL
- [Symbol] BEARING WALL ABOVE
- [Symbol] BEAM / HEADER
- [Symbol] INDICATES SHEAR WALL & EXTENT
- [Symbol] EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▶ INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

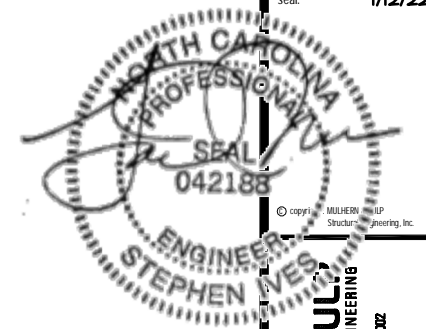
SD2.1J/SD2.IT REFERS TO SD2.1JA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.ITB FOR FLITCH BEAMS OR SD2.1JC/SD2.ITC FOR STEEL BEAMS



1 OPTIONAL REAR COVERED PORCH PARTIAL 2ND FLOOR FRAMING PLAN - 1-JOISTS
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEVS. SIM.



2 OPTIONAL REAR COVERED PORCH W/ 12' DOOR PARTIAL 2ND FLOOR FRAMING PLAN - 1-JOISTS
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEVS. SIM.



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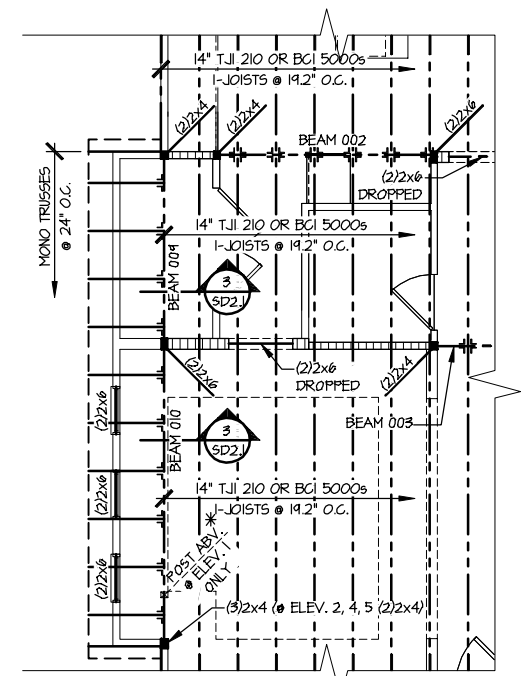
M&K project number: 126-21069
project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: initial



Option Framing Plans
BURTON MODEL
RALEIGH, NC

sheet Right Hand
S5.4J



3 OPTIONAL SIDE BAY PARTIAL 2ND FLOOR FRAMING PLAN - I-JOISTS
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ELEV. #2, #4, #5 SIM.

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	108x10 - H
002	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
002A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
003	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
003A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
004	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	108x10 - H
005	(4)1 1/2"x8" - FT	7"x18" - FT	N/A	(4)2x12 + (3) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x30 - F
006	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
007	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
008	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	108x10 - H
009	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
009A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
010	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F
010A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	112x14 - F

- BEAM NOTATION:
- "H" 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.

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

- [Symbol] INTERIOR BEARING WALL
- [Symbol] BEARING WALL ABOVE
- [Symbol] BEAM / HEADER
- [Symbol] INDICATES SHEAR WALL 4' EXTENT
- [Symbol] EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- [Symbol] INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

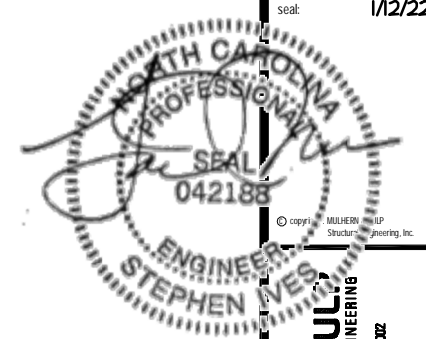
REFER TO 50.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

SD2.0 & SD2.1 REFERS TO SD2.0J
& SD2.1J FOR 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

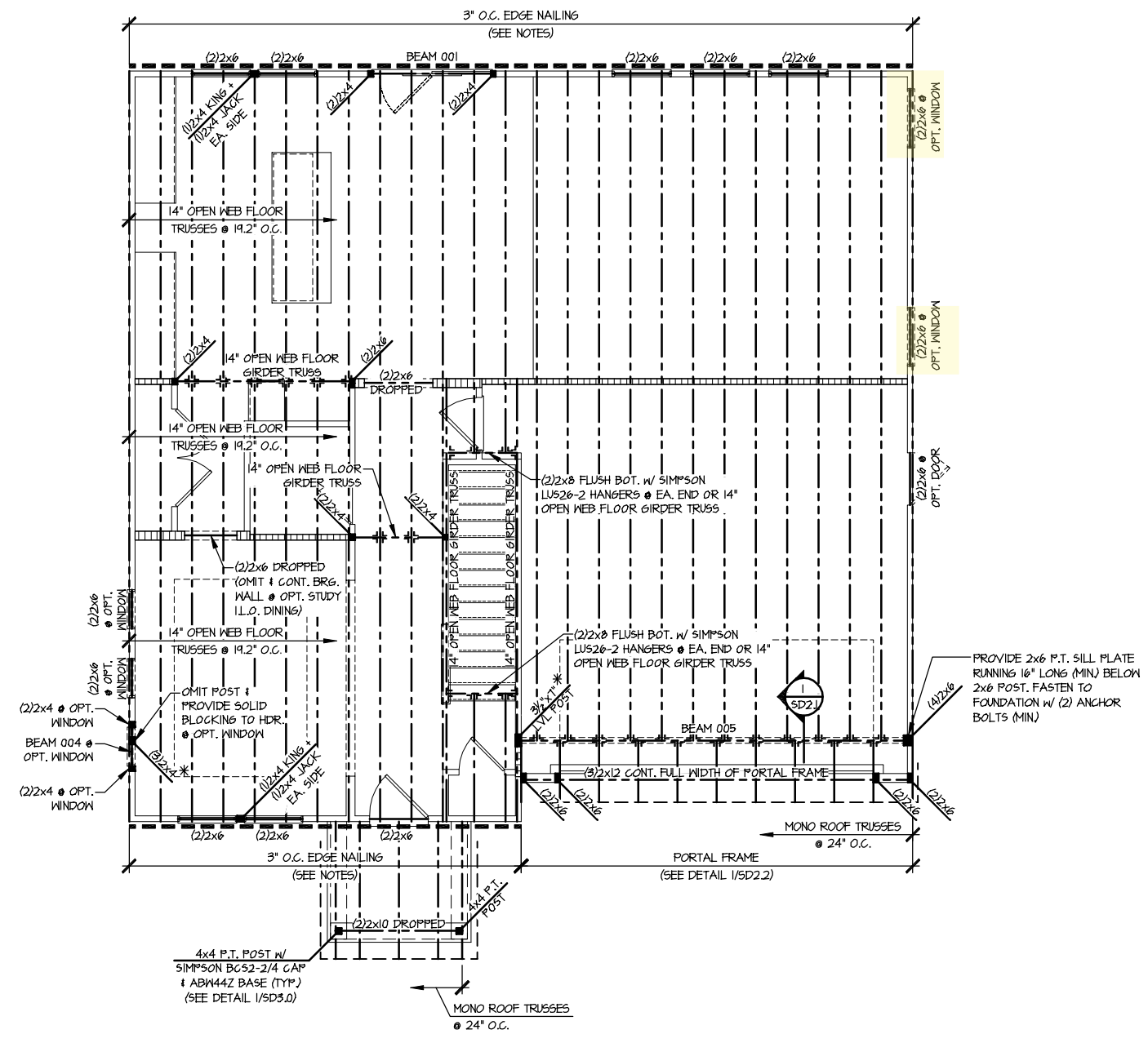
- ▬ INTERIOR BEARING WALL
- ▬ BEARING WALL ABOVE
- ▬ BEAM / HEADER
- ▬ INDICATES SHEAR WALL & EXTENT
- ▬ EXTENT OF OVERFRAMING
- JL METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▶ INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.



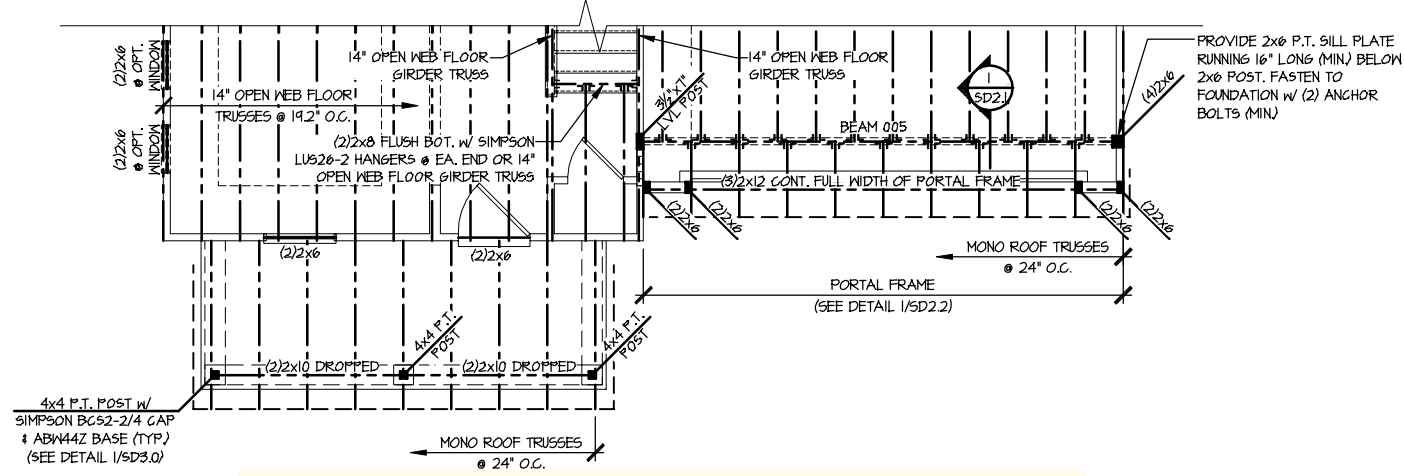
ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)3/4"x4" - H	3/2"x4" - H	(2)3/4"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
002	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
002A	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
003	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
003A	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
004	(2)3/4"x4" - H	3/2"x4" - H	(2)3/4"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
005	(4)3/4"x10" - FT	7"x10" - FT	N/A	(4)2x12 + (2) 3/4"x10" STEEL FLITCH PLATES - FB	W12x30 - F
006	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
007	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
008	(2)3/4"x4" - H	3/2"x4" - H	(2)3/4"x4" - H	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - H	W8x10 - H
004	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
004A	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
010	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F
010A	(2)3/4"x4" - F	3/2"x4" - F	(2)3/4"x4" - F	(2)2x12 + (1) 3/4"x10" STEEL FLITCH PLATES - FB	W2x14 - F

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.



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



2 PARTIAL 2D FLOOR FRAMING PLAN - TRUSSES
SCALE: 1/8"=1'-0"
ELEVATION #2
SEE ELEV. #1 FOR MORE INFO.

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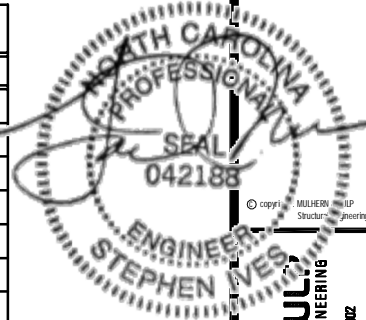
MGK project number:
126-21069
project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: Initial



2nd Flr Framing Plans
BURTON MODEL
RALEIGH, NC

sheet: Right Hand
S3.0T



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126-21069

project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: initial



Option Framing Plans
BURTON MODEL
RALEIGH, NC

sheet Right Hand
S5.2T

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	NBx10 - H
002	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
002A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
003	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
003A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
004	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	NBx10 - H
005	(4)1 3/4"x10" - FT	Tx10" - FT	N/A	(4)2x12 + (3) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x30 - F
006	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
007	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
008	(2)1 3/4"x14" - H	3/2"x14" - H	(2)1 3/4"x14" - H	(2)2x10 + (1) 1/2"x1/4" STEEL FLITCH PLATES - H	NBx10 - H
004	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
004A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
010	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F
010A	(2)1 3/4"x14" - F	3/2"x14" - F	(2)1 3/4"x14" - F	(2)2x12 + (1) 3/8"x1/4" STEEL FLITCH PLATES - FB	M12x14 - F

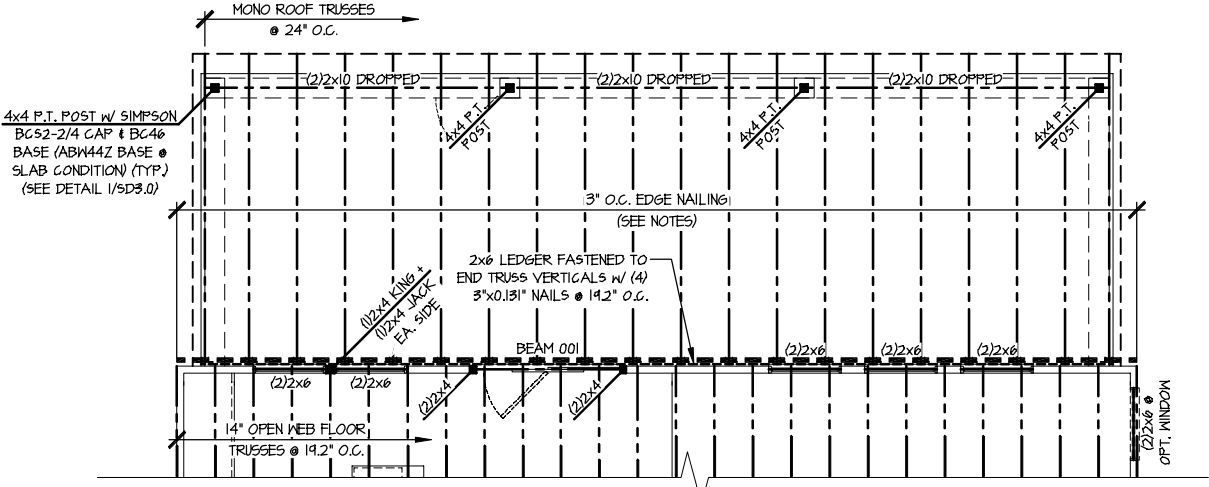
- BEAM NOTATION:
 - "F" INDICATES FLUSH BEAM
 - "FT" INDICATES FLUSH TOP BEAM
 - "FB" INDICATES FLUSH BOTTOM BEAM
 - "D" INDICATES DROPPED BEAM
 - "H" INDICATES DROPPED OPENING HEADER
- REFER TO DETAIL D/SD2.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
- REFER TO DETAIL E/SD2.0 FOR TYPICAL STEEL BEAM CONNECTIONS
- 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.

LEGEND

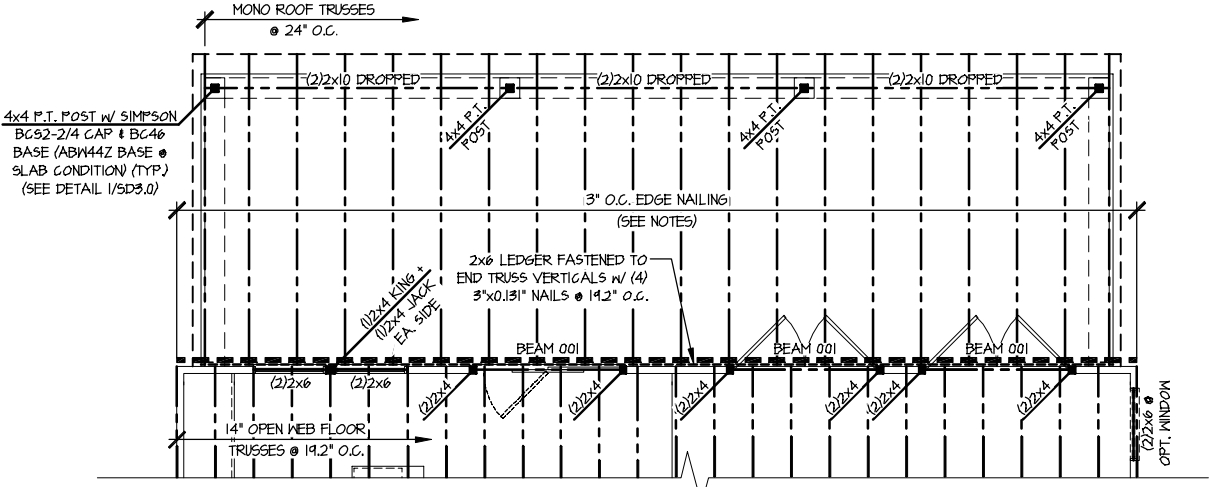
- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- INDICATES SHEAR WALL & EXTENT
- EXTENT OF OVERFRAMING
- JL METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

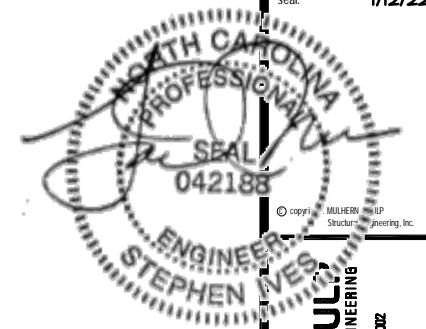
SD2.1J/SD2.IT REFERS TO SD2.1JA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.ITB FOR FLITCH BEAMS OR SD2.1JC/SD2.ITC FOR STEEL BEAMS



1 OPTIONAL REAR COVERED PORCH PARTIAL 2ND FLOOR FRAMING PLAN - TRUSSES
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEVS. SIM.



2 OPTIONAL REAR COVERED PORCH W/ 12' DOOR PARTIAL 2ND FLOOR FRAMING PLAN - TRUSSES
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEVS. SIM.



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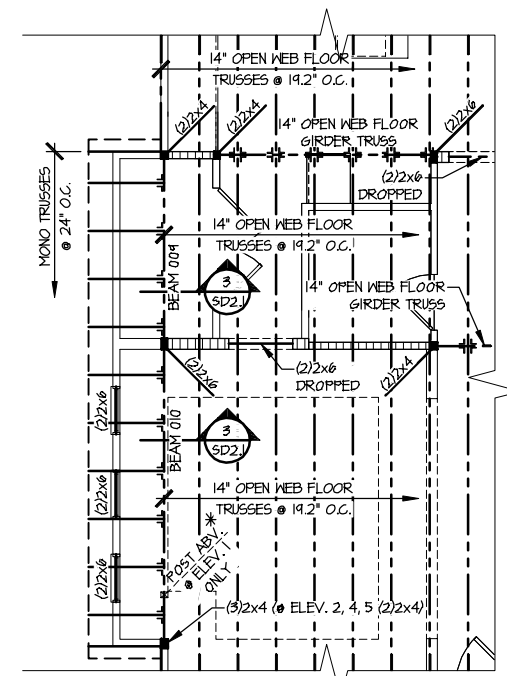
M&K project number: 126-21069
project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: initial



Option Framing Plans
BURTON MODEL
RALEIGH, NC

sheet Right Hand
S5.4T



3 OPTIONAL SIDE BAY PARTIAL 2ND FLOOR FRAMING PLAN - TRUSSES
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ELEVS. #2, #4, #5 SIM.

ENGINEERED BEAM MATERIAL SCHEDULE

BEAM NUMBER	LVL OPTION	PSL OPTION	LSL OPTION	FLITCH OPTION	STEEL OPTION
001	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	W8x10 - H
002	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
002A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
003	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
003A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
004	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	W8x10 - H
005	(4)1 1/2"x8" - FT	7"x18" - FT	N/A	(4)2x12 + (3) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x30 - F
006	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
007	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
008	(2)1 1/2"x4" - H	3/2"x4" - H	(2)1 1/2"x4" - H	(2)2x10 + (1) 1/2"x4" STEEL FLITCH PLATES - H	W8x10 - H
009	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
009A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
010	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F
010A	(2)1 1/2"x4" - F	3/2"x4" - F	(2)1 1/2"x4" - F	(2)2x12 + (1) 3/4"x1 1/4" STEEL FLITCH PLATES - FB	M12x14 - F

- BEAM NOTATION:
- "F" INDICATES FLUSH BEAM
- "FT" INDICATES FLUSH TOP BEAM
- "FB" INDICATES FLUSH BOTTOM BEAM
- "FT" INDICATES DROPPED BEAM
- "H" INDICATES DROPPED OPENING HEADER
- REFER TO DETAIL D/S22.0 FOR TYPICAL FLITCH BEAM CONNECTIONS
- REFER TO DETAIL E/S22.0 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.

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

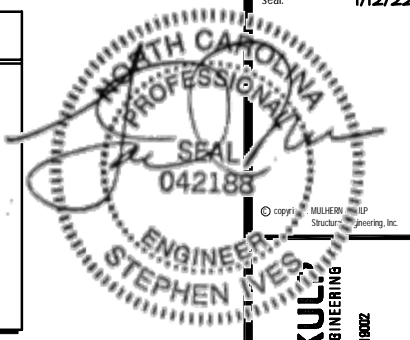
SD2.1J/SD2.IT REFERS TO SD2.1JA/SD2.ITA FOR LVL/PSL/LSL BEAMS OR SD2.1JB/SD2.ITB FOR FLITCH BEAMS OR SD2.1JC/SD2.ITC FOR STEEL BEAMS

LEGEND

- [Symbol] INTERIOR BEARING WALL
- [Symbol] BEARING WALL ABOVE
- [Symbol] BEAM / HEADER
- [Symbol] INDICATES SHEAR WALL 4' EXTENT
- [Symbol] EXTENT OF OVERFRAMING
- JL METAL HANGER
- [Symbol] INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- [Symbol] INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.

REFER TO S0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

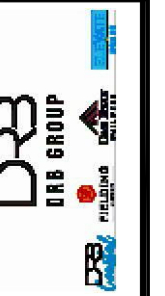
LEGEND	
• [Symbol]	INTERIOR BEARING WALL
• [Symbol]	BEARING WALL ABOVE
• [Symbol]	BEAM / HEADER
• [Symbol]	INDICATES SHEAR WALL & EXTENT
• [Symbol]	EXTENT OF OVERFRAMING
JL	METAL HANGER
* [Symbol]	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
▶ [Symbol]	INDICATES HOLD-DOWN OR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



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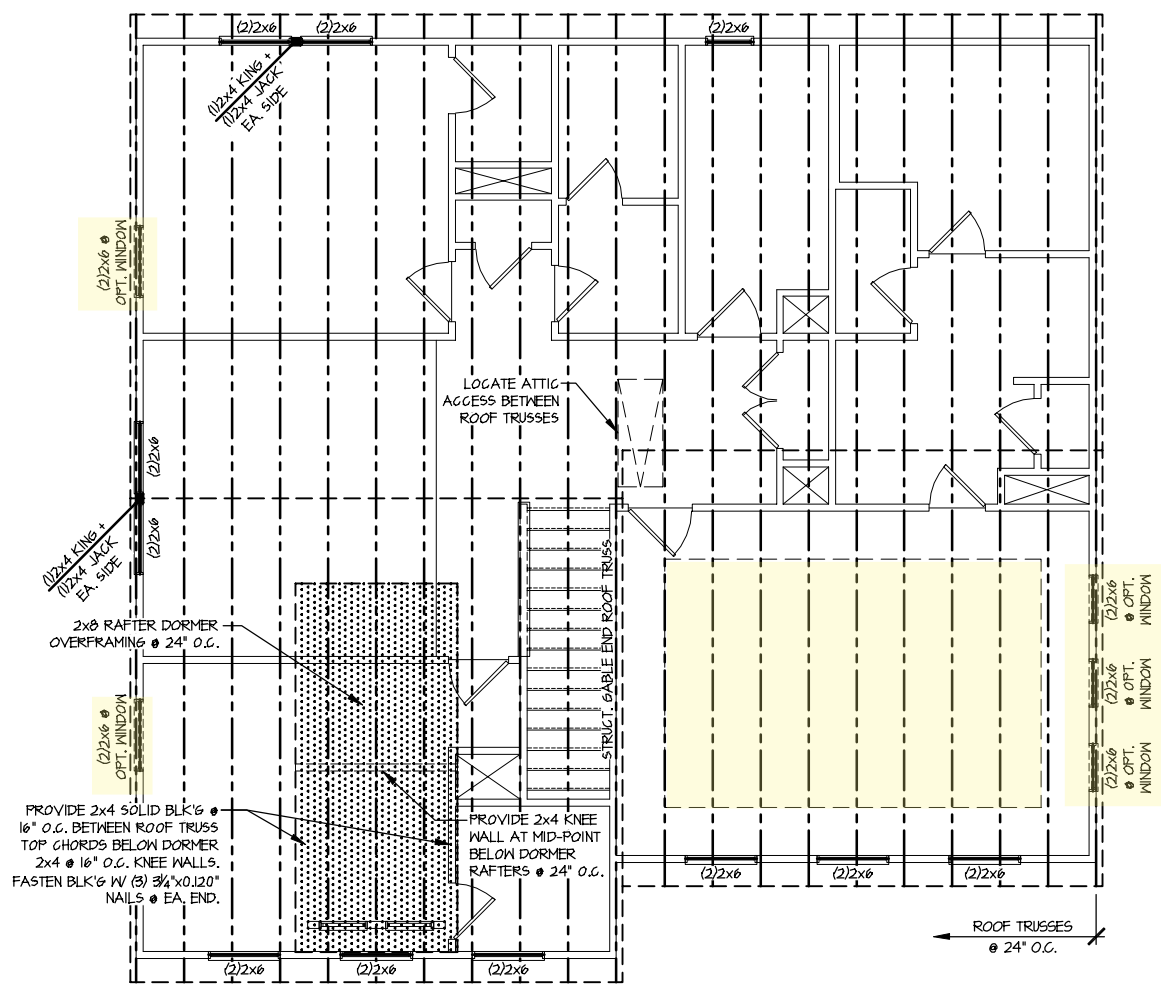
M&K project number:
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project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:
date: initial



Roof Framing Plans
BURTON MODEL
RALEIGH, NC

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S4.0

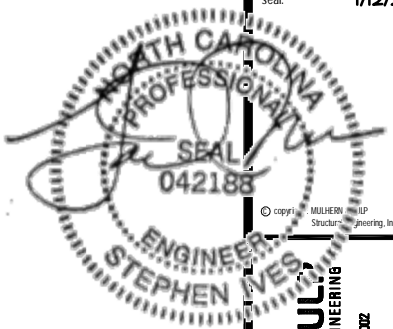


2 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"
ELEVATION #2
OPT. BED 4 I.L.O. LOFT SIM.

REFER TO S0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

LEGEND

- [Symbol] INTERIOR BEARING WALL
- [Symbol] BEARING WALL ABOVE
- [Symbol] BEAM / HEADER
- [Symbol] INDICATES SHEAR WALL & EXTENT
- [Symbol] 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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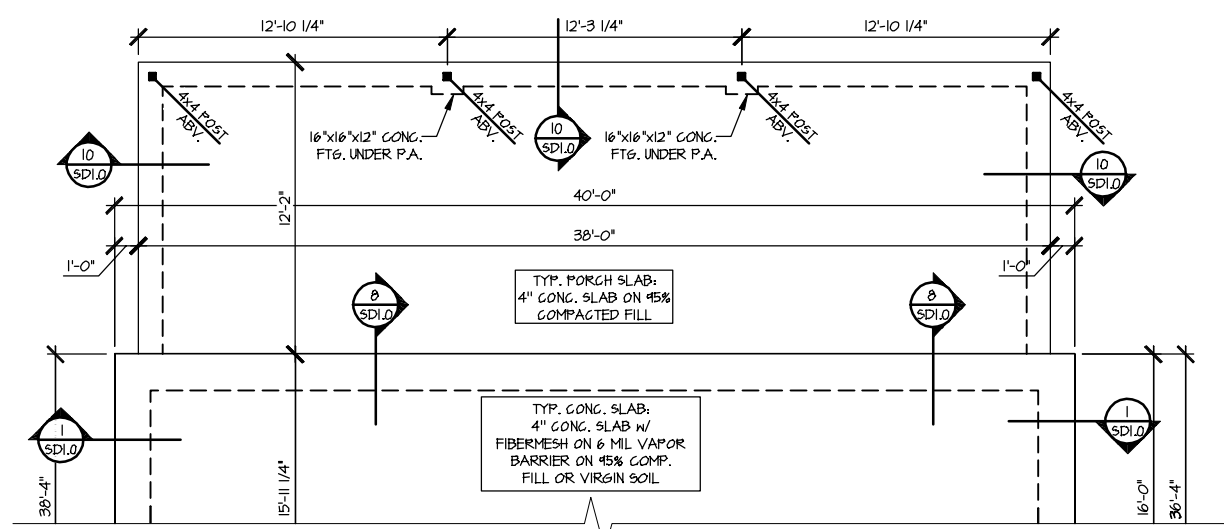
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date:	initial:



Option Foundation Plans
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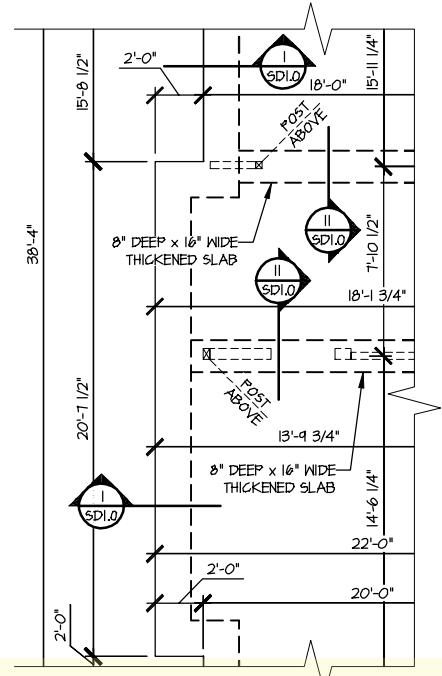
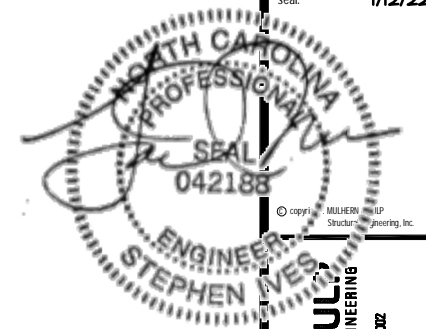
sheet Right Hand
S5.0



**OPTIONAL REAR COVERED PORCH
PARTIAL MONO SLAB FOUNDATION PLAN**
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEV. SIM.

REFER TO SO.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.



**OPTIONAL SIDE BAY
PARTIAL MONO SLAB FOUNDATION PLAN**
SCALE: 1/8"=1'-0" ELEV. #1 SHOWN - ALL ELEV. SIM.

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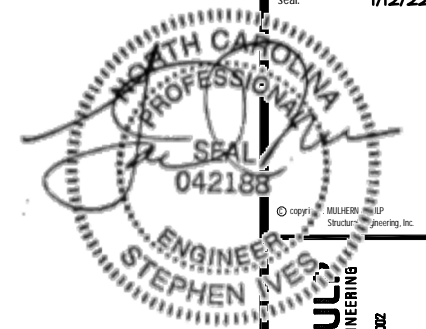
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project mgr: JTR
drawn by: MDH
issue date: 01-12-22

REVISIONS:	
date:	initial:



Option Foundation Plans
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sheet Right Hand
S5.3



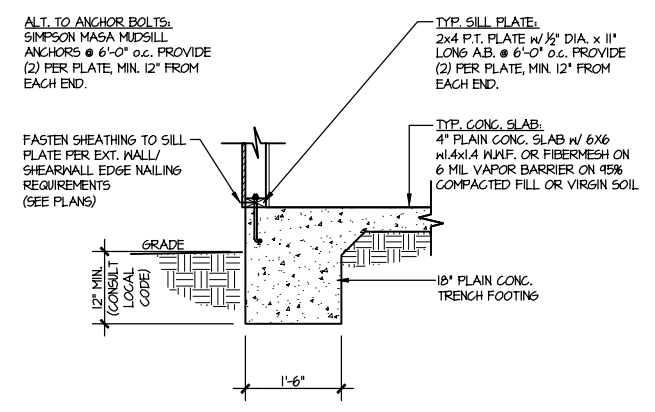
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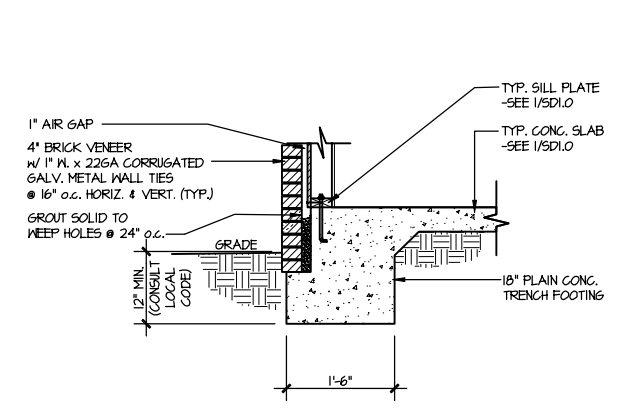


Foundation Detail S
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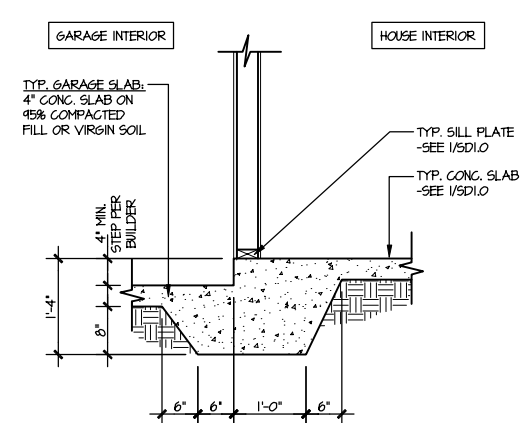
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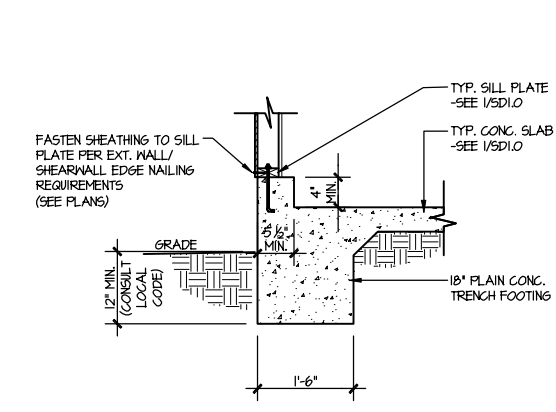
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



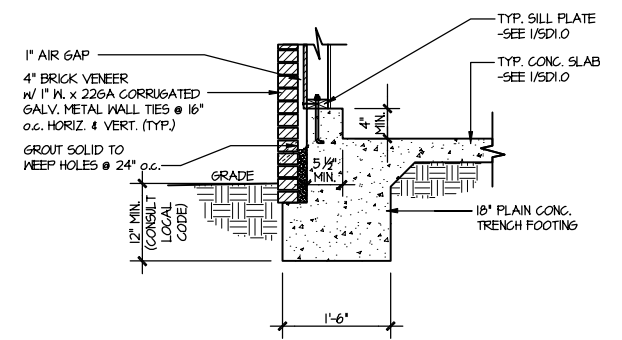
2 TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/8"=1'-0" w/ BRICK VENEER



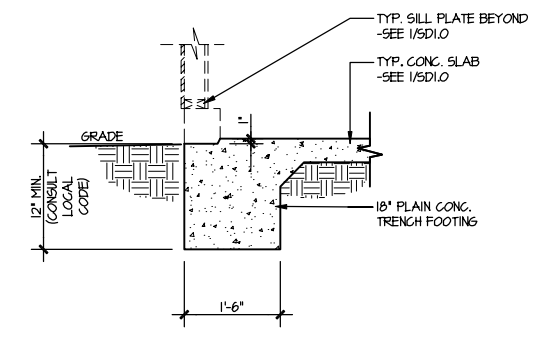
3 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING
SCALE: 3/8"=1'-0"



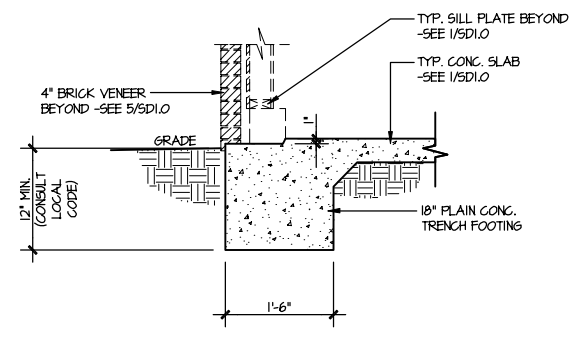
4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0"



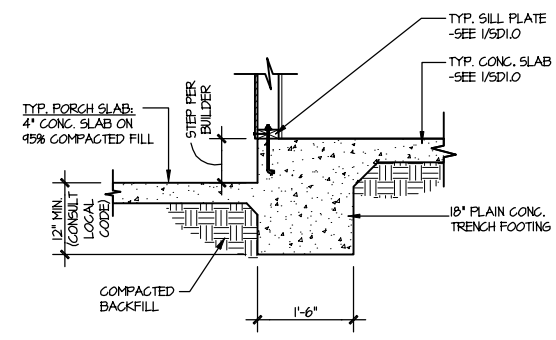
5 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING
SCALE: 3/8"=1'-0" w/ BRICK VENEER



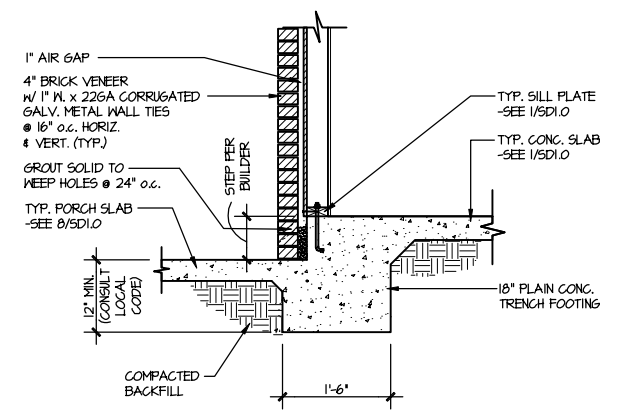
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0"



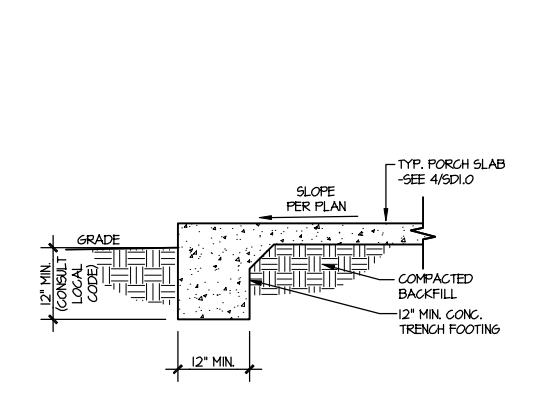
7 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING
SCALE: 3/8"=1'-0" w/ BRICK VENEER



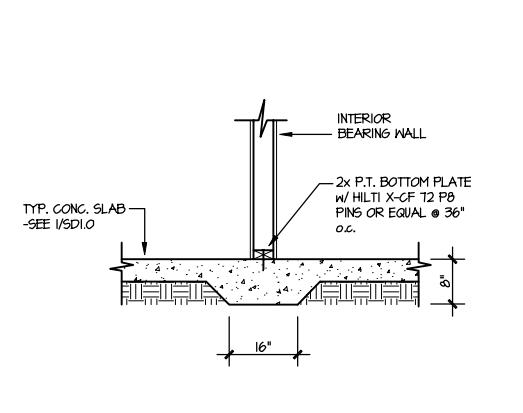
8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0"



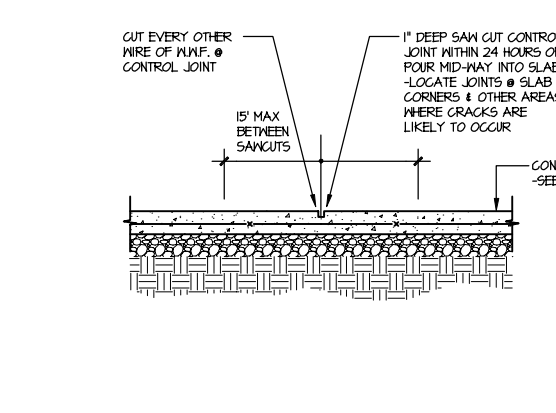
9 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO
SCALE: 3/8"=1'-0" w/ BRICK VENEER



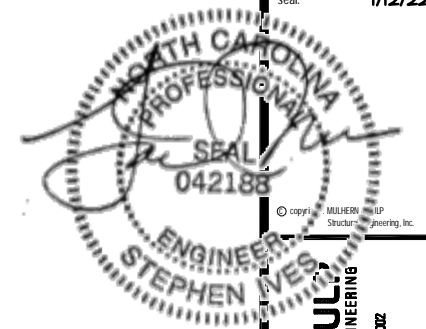
10 TYPICAL FOOTING @ PORCH SLAB
SCALE: 3/8"=1'-0"



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 LIKELY TO DEVELOP



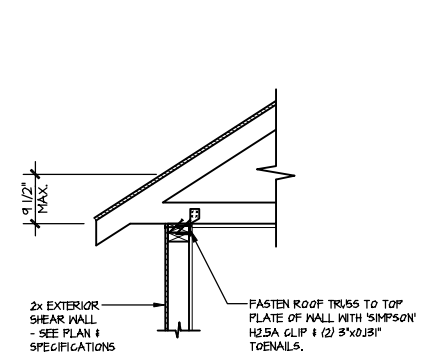
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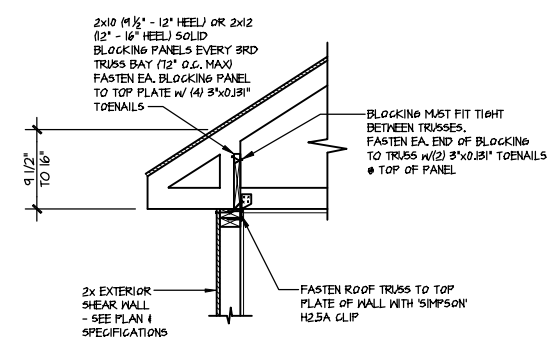


Framing Details
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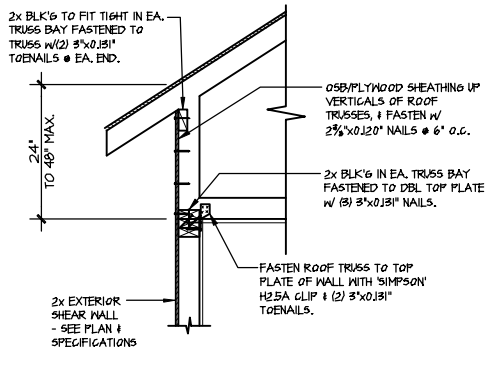
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SD2.0J



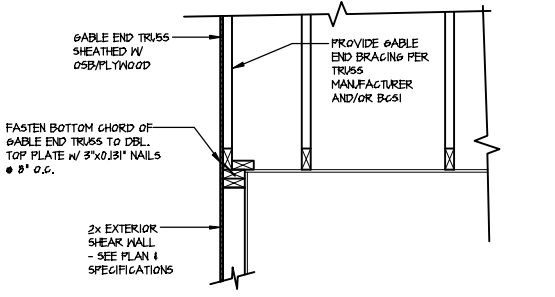
(A1) TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2"
NO BLOCKING REQ'D



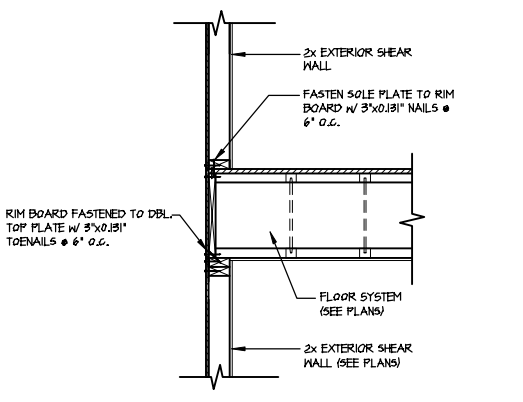
(A2) TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16"
BLOCKING REQ'D



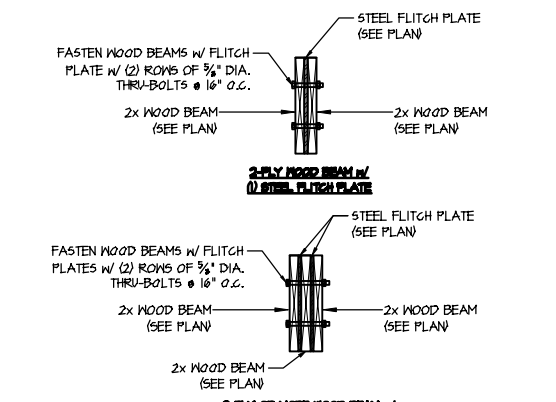
(A3) TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



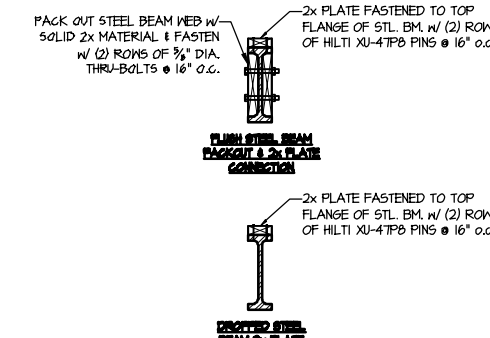
(B) TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



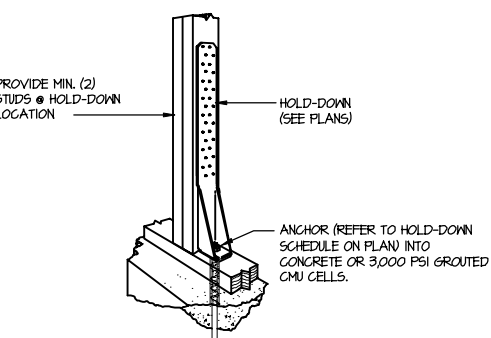
(C) TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"



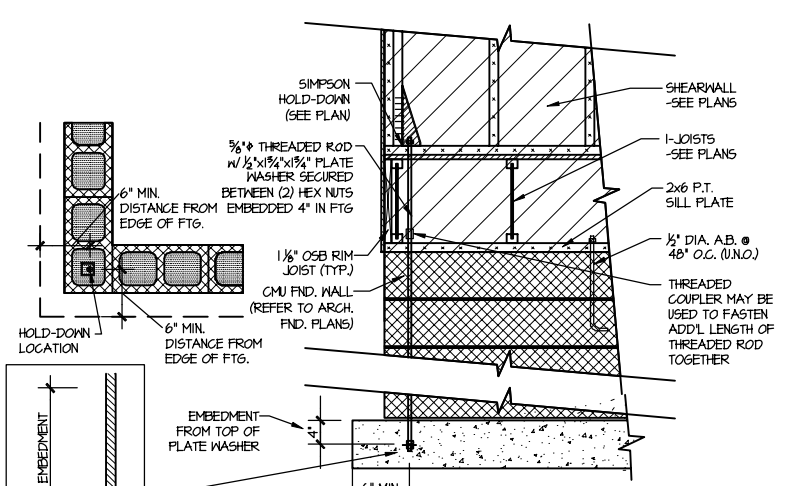
(D) TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



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



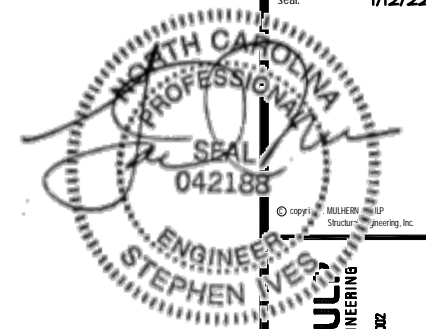
(F1) TYPICAL HOLD DOWN INSTALLATION
SCALE: N.T.S.



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

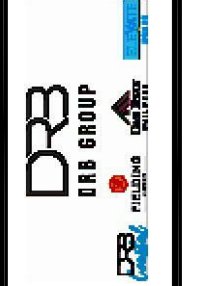
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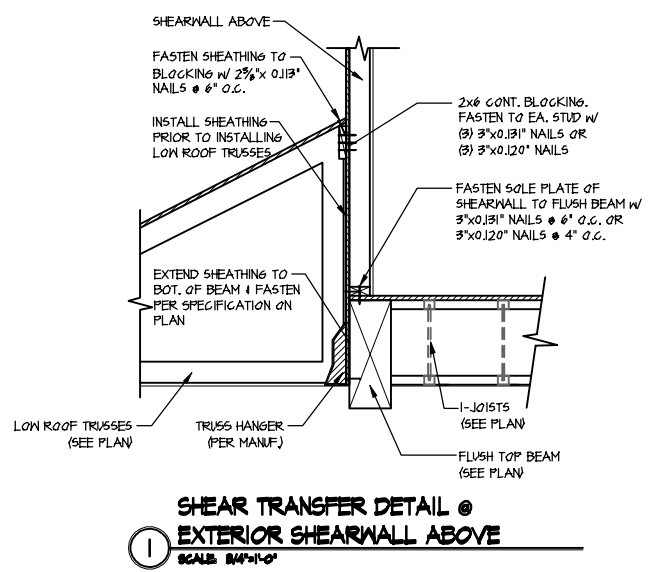
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P 215-566-8001 • mulhern+kul.com
NC LIC. #C-3825

M&K project number:
126-21069
project mgr: JTR
drawn by: MDH
issue date: 01-12-22
REVISIONS:
date: initial

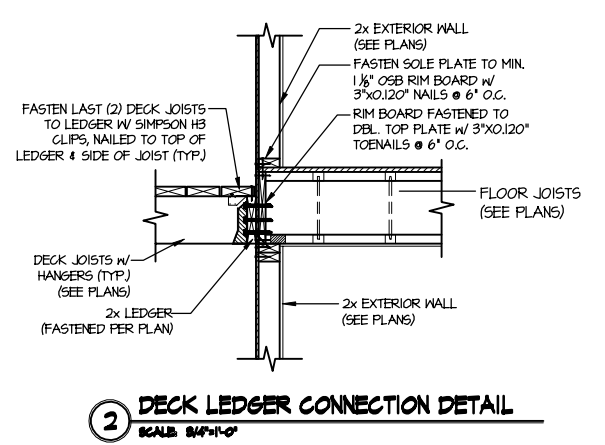


Framing Details
BURTON MODEL
RALEIGH, NC

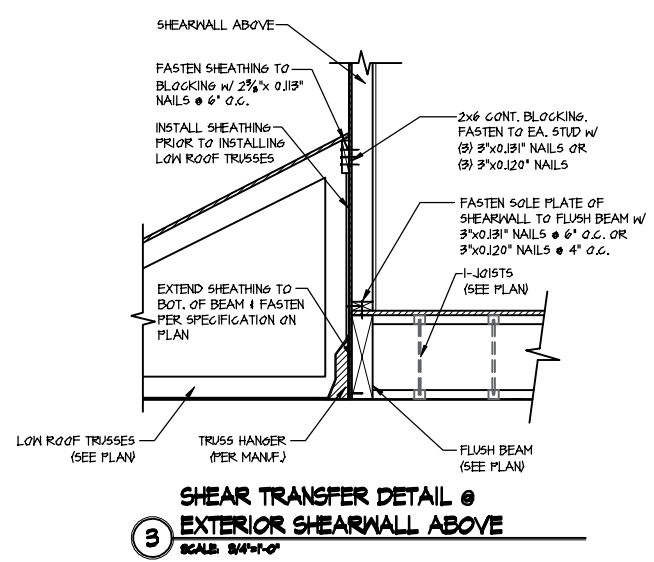
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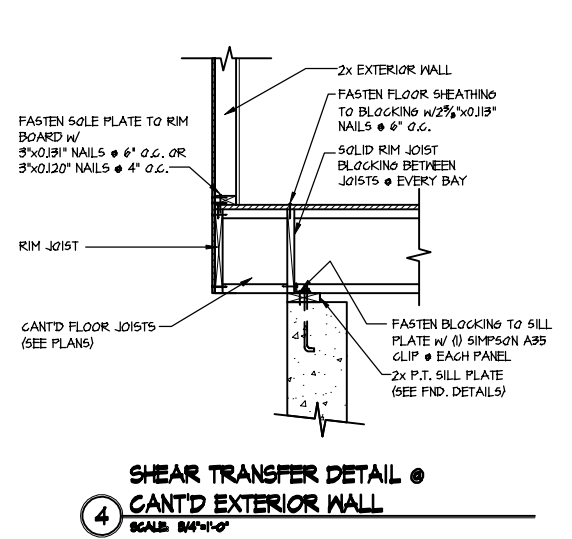
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



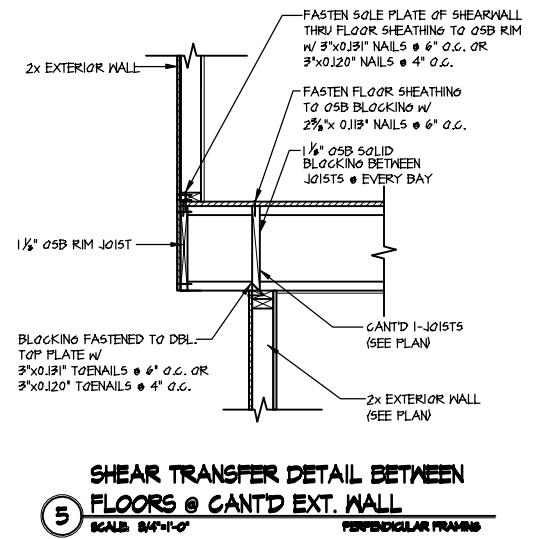
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



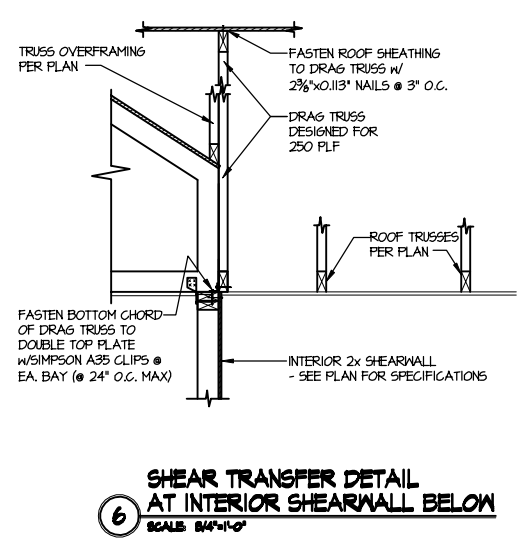
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



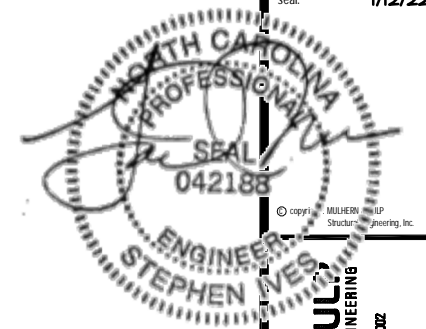
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0"



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

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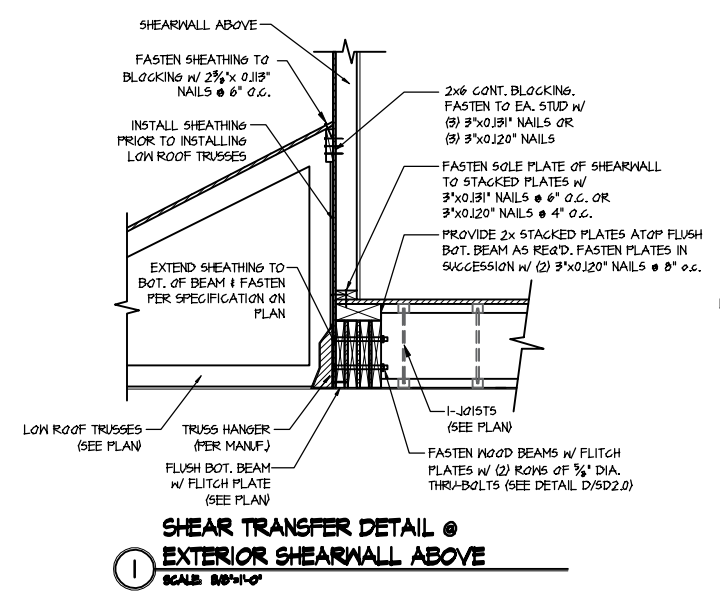
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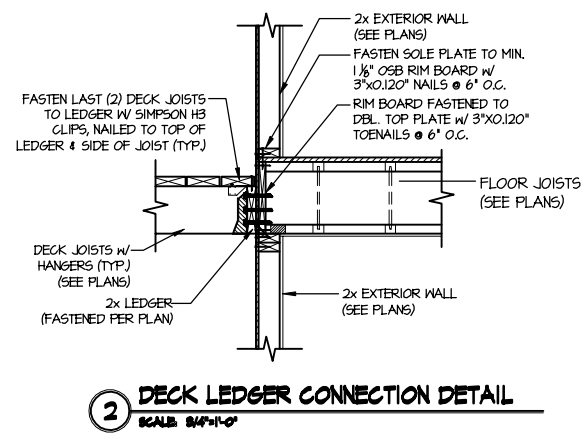


Framing Details
BURTON MODEL
RALEIGH, NC

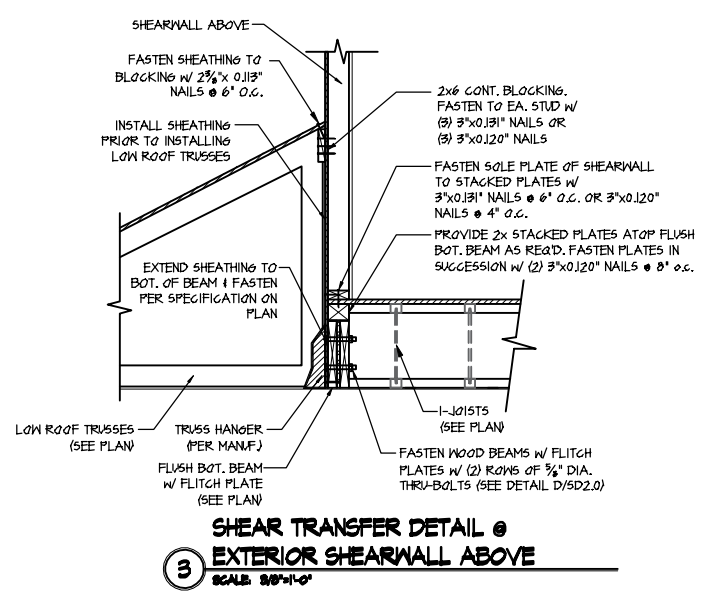
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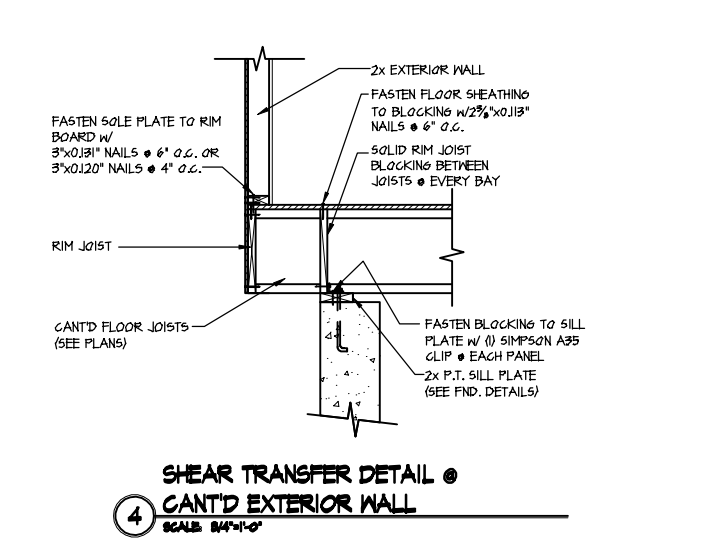
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



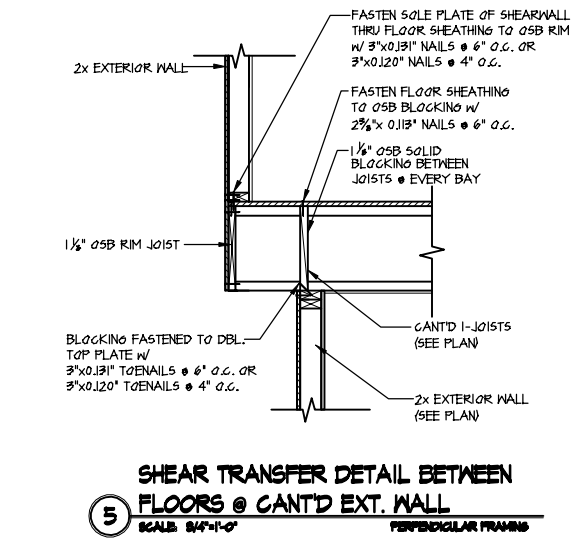
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



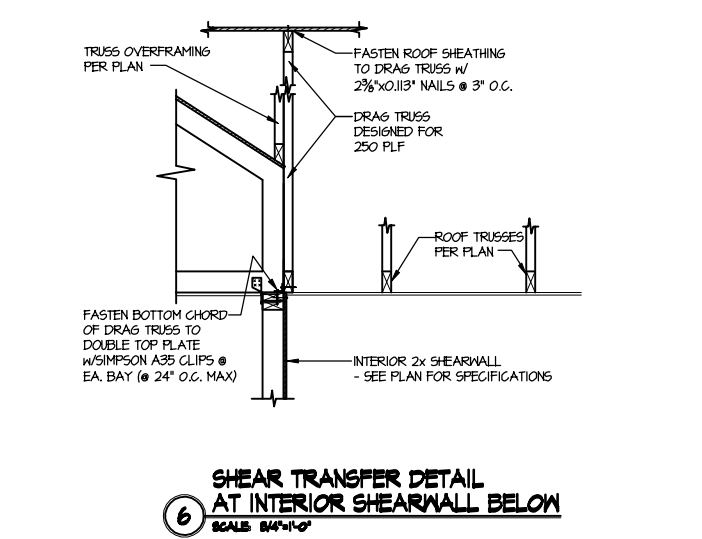
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



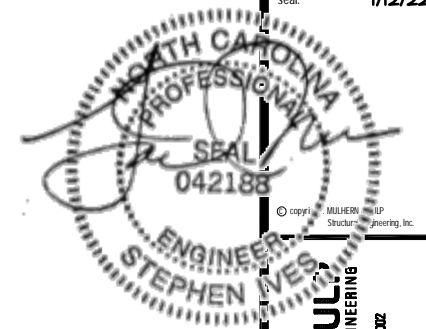
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0"



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

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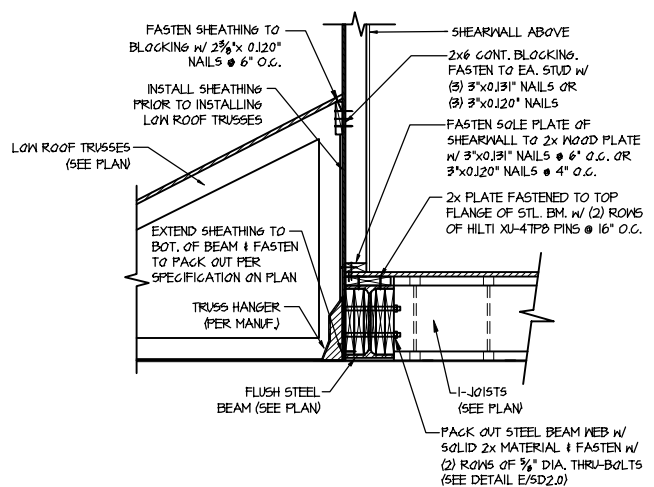
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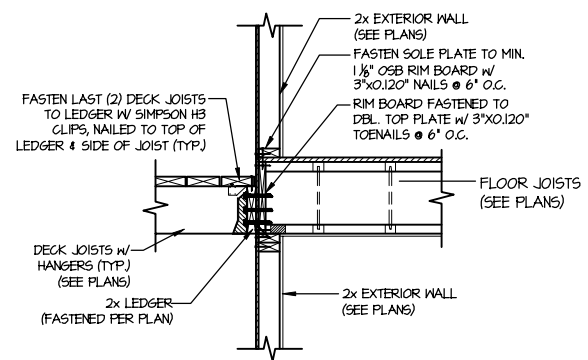


Framing Details
BURTON MODEL
RALEIGH, NC

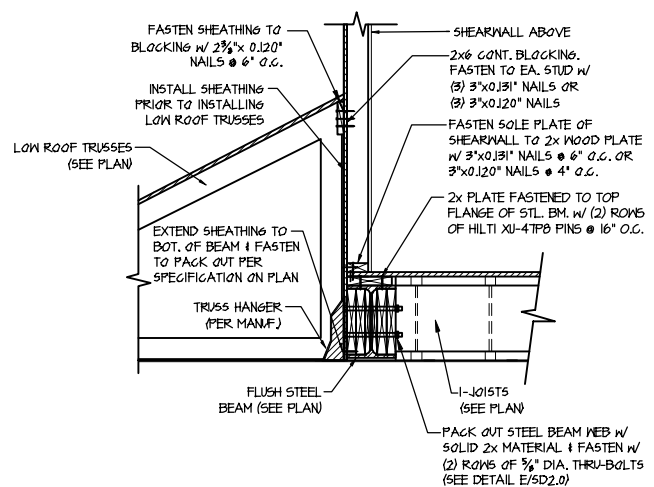
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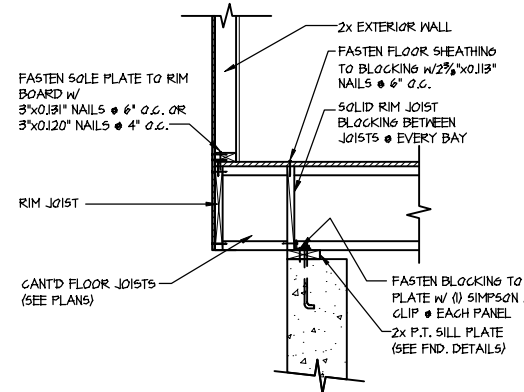
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



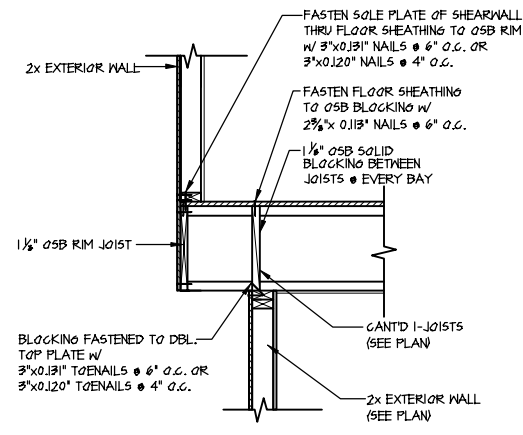
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



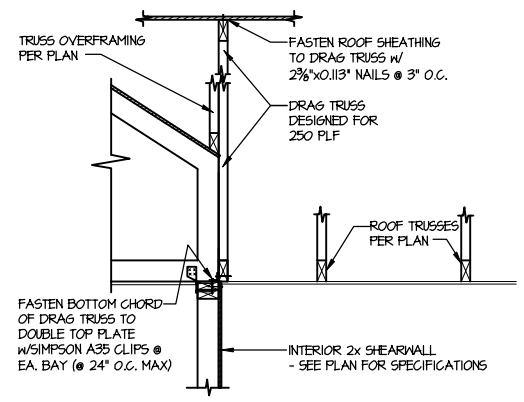
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



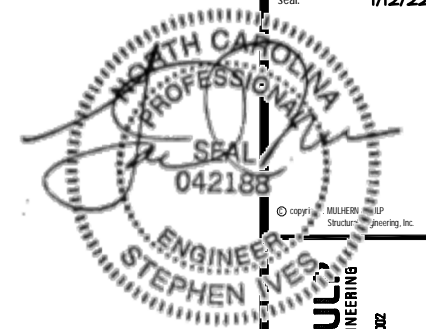
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0"



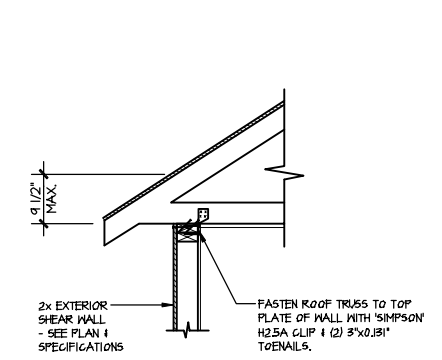
6 SHEAR TRANSFER DETAIL AT INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"

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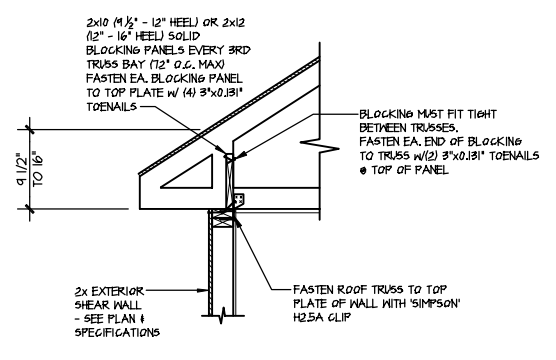
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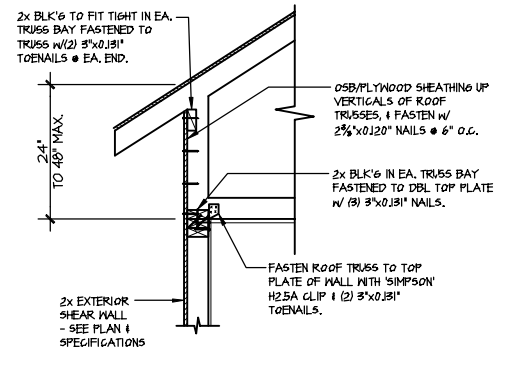
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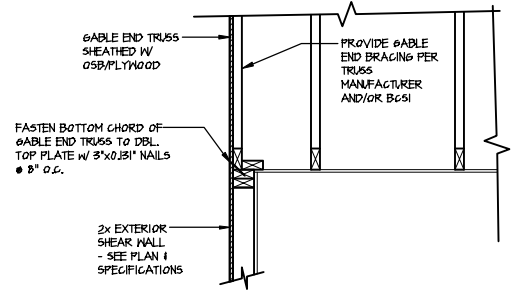
A1 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT LESS THAN 9 1/2" NO BLOCKING REQ'D



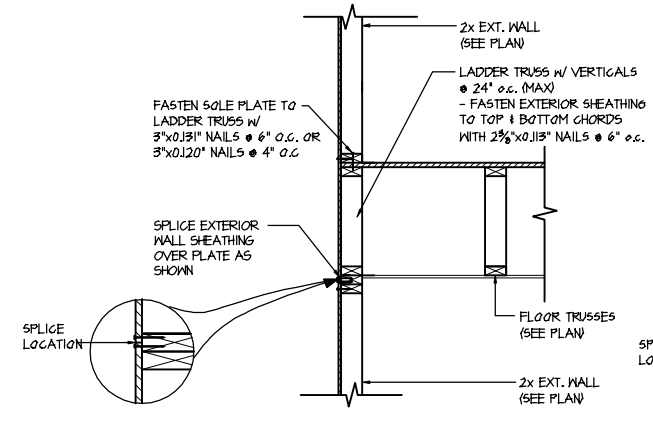
A2 TYPICAL SHEAR TRANSFER DETAIL @ ROOF
SCALE: 3/8"=1'-0"
HEEL HEIGHT BETWEEN 9 1/2" - 16" BLOCKING REQ'D



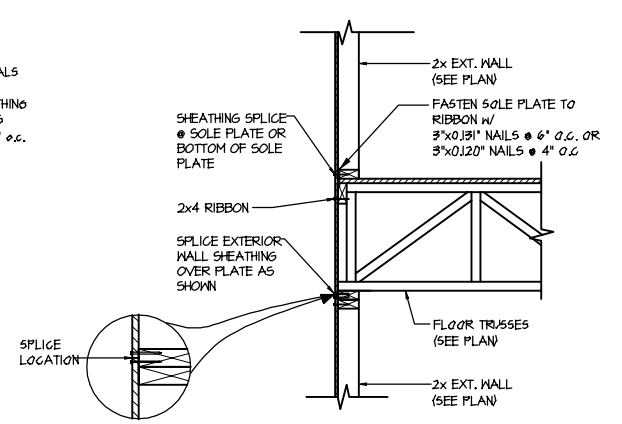
A3 TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/8"=1'-0"
HEEL HEIGHT UP TO 48" MAX.



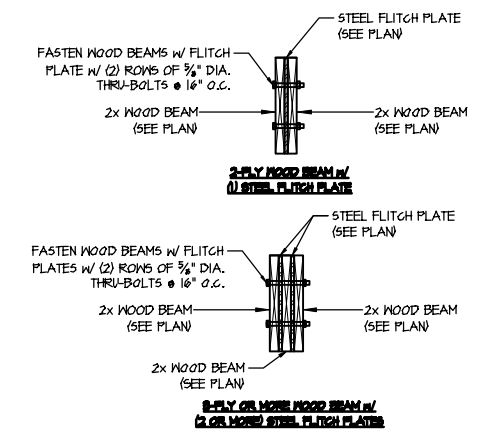
B TYPICAL GABLE END DETAIL
SCALE: 3/8"=1'-0"



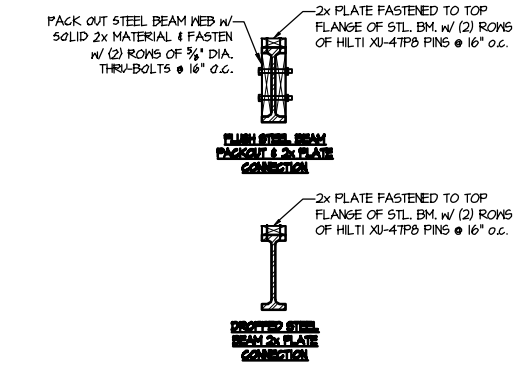
C1 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PARALLEL FRAMING



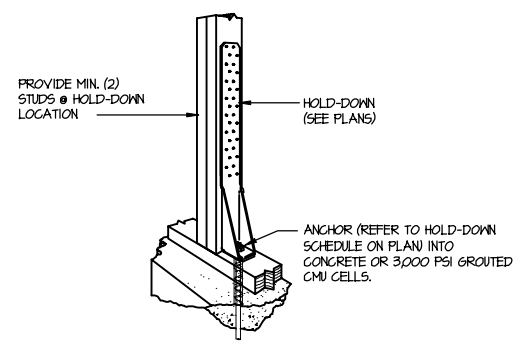
C2 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/8"=1'-0"
PERPENDICULAR FRAMING



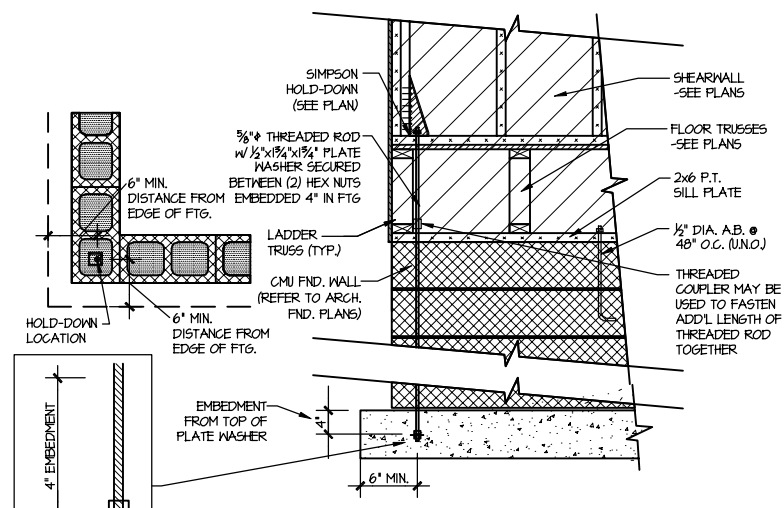
D TYPICAL FLITCH BEAM CONNECTION DETAIL
SCALE: 3/4"=1'-0"



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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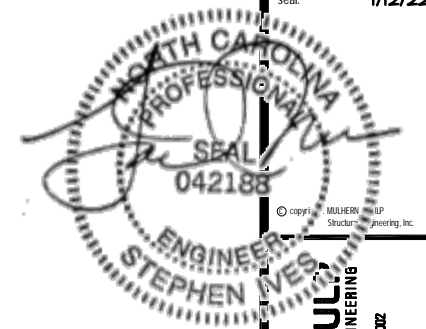
M&K project number: 126-21069
project mgr: JTR
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issue date: 01-12-22

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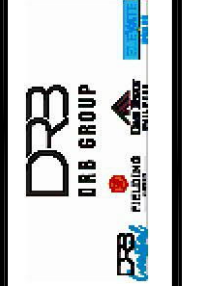
Framing Details
BURTON MODEL
RALEIGH, NC

sheet: SD2.0T



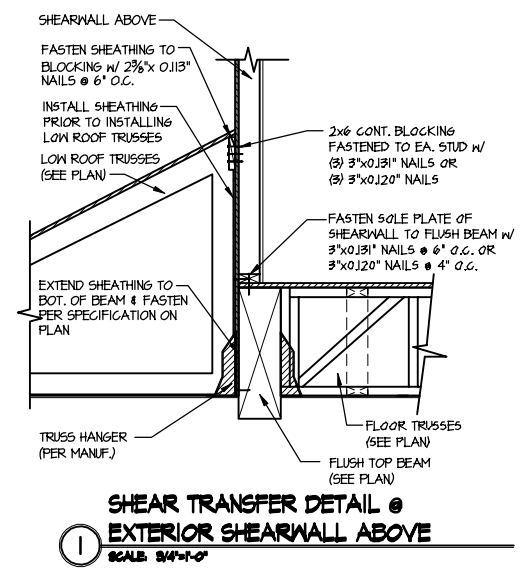
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P 215-546-8001 • m+k@mkp.com
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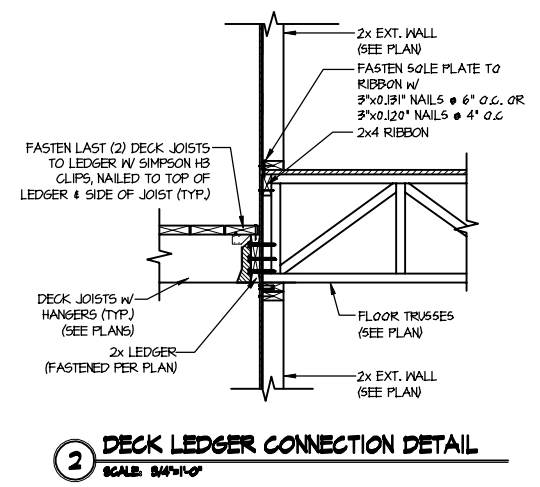


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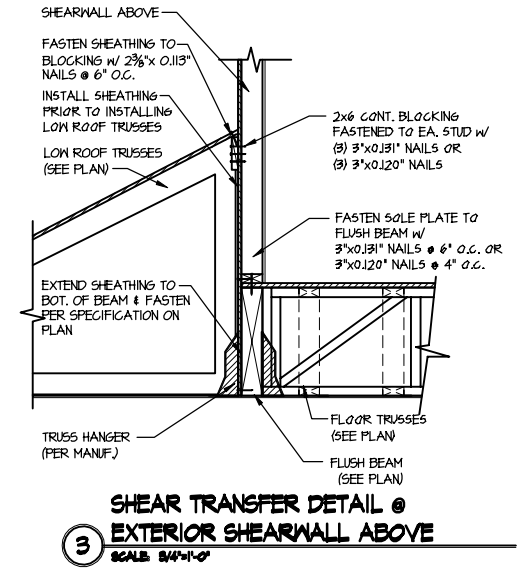
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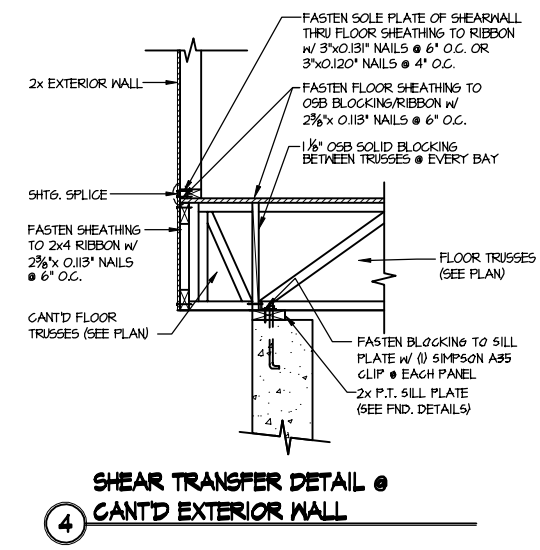
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



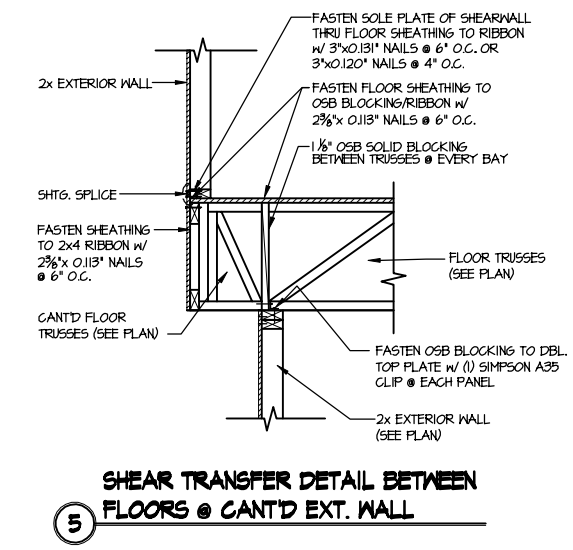
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



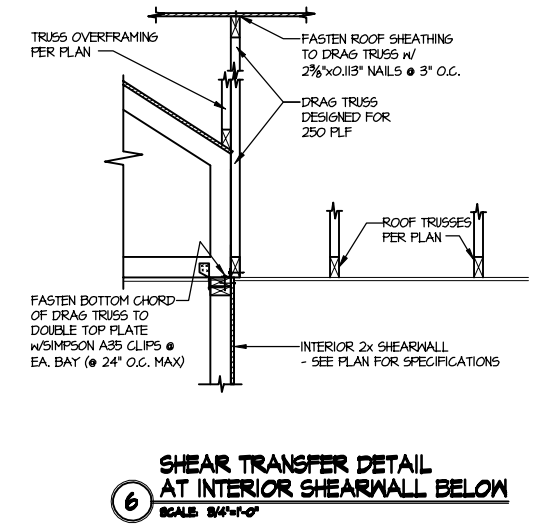
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL



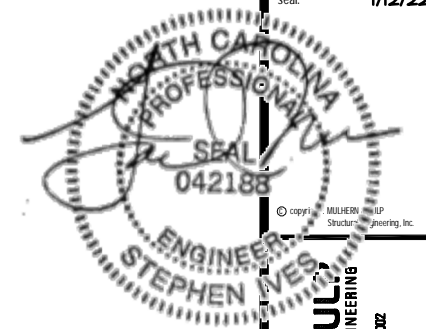
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



6 SHEAR TRANSFER DETAIL AT INTERIOR SHEARWALL BELOW
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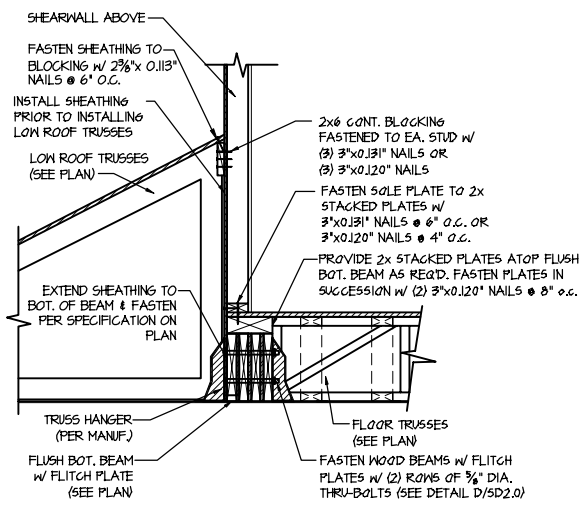
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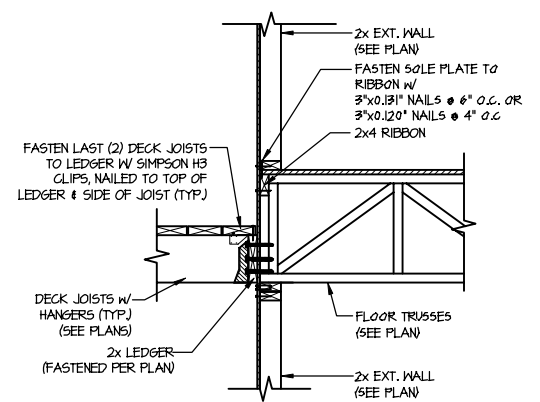


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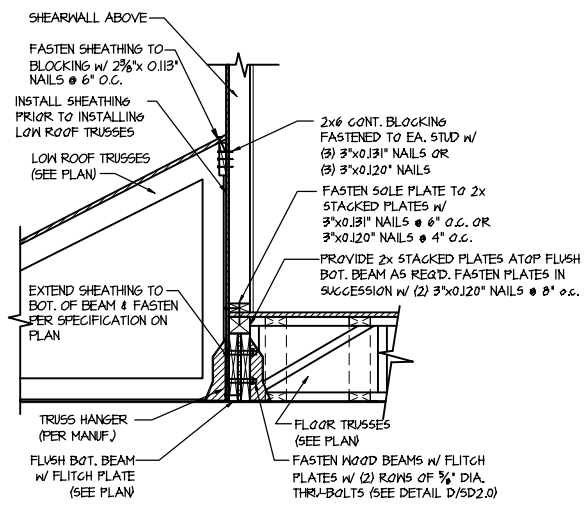
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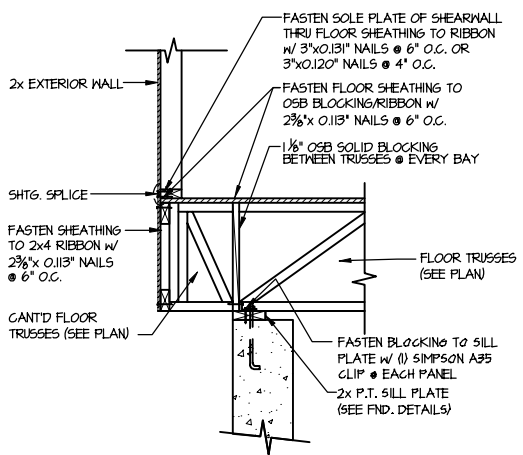
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



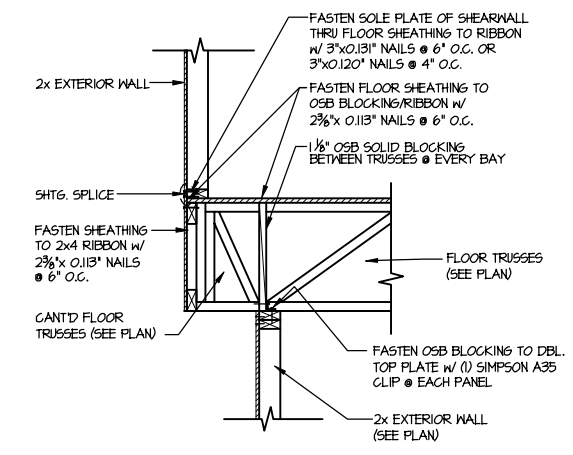
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



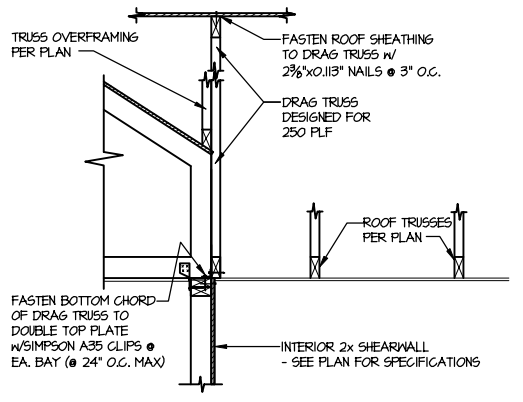
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL



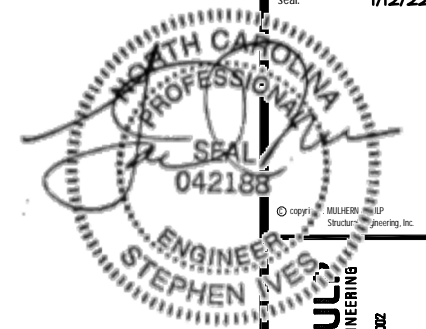
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



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

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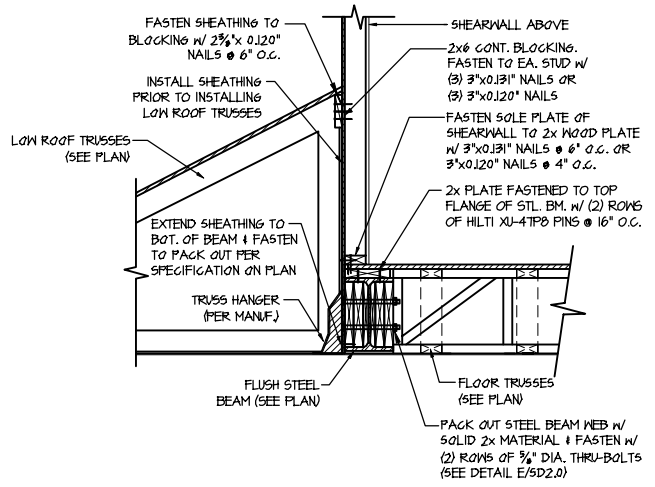
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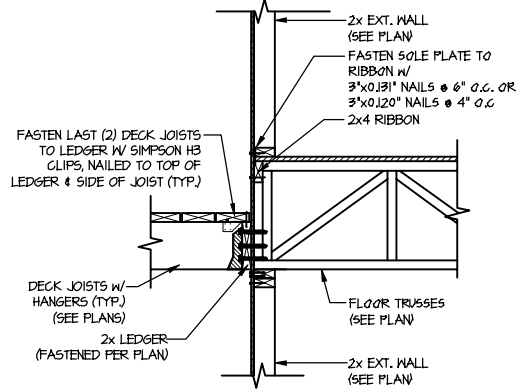


Framing Details
BURTON MODEL
RALEIGH, NC

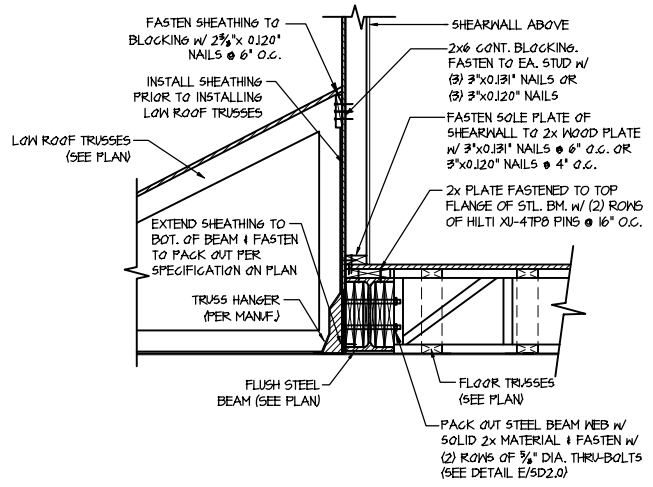
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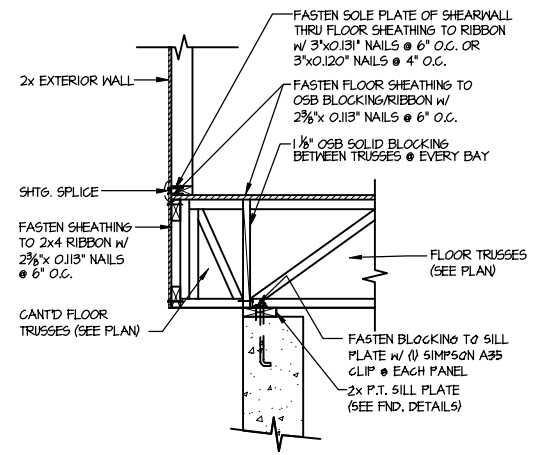
1 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



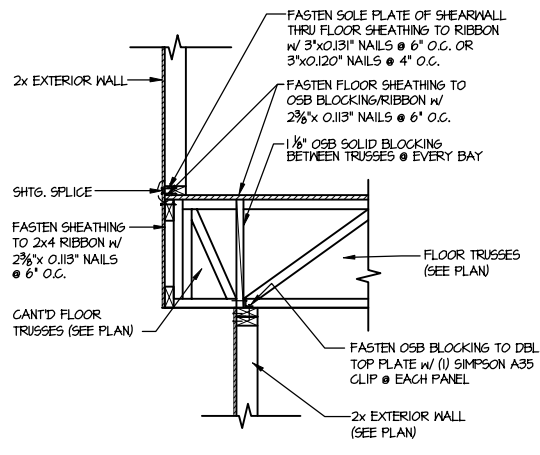
2 DECK LEDGER CONNECTION DETAIL
SCALE: 3/4"=1'-0"



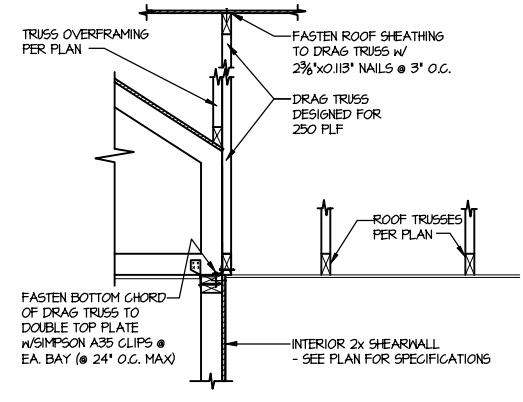
3 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



4 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL



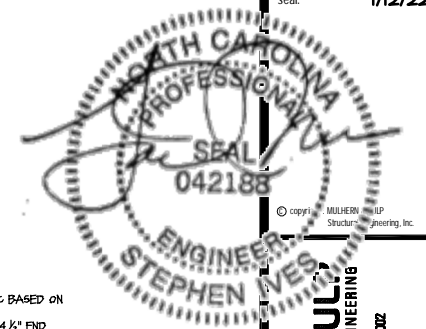
5 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL



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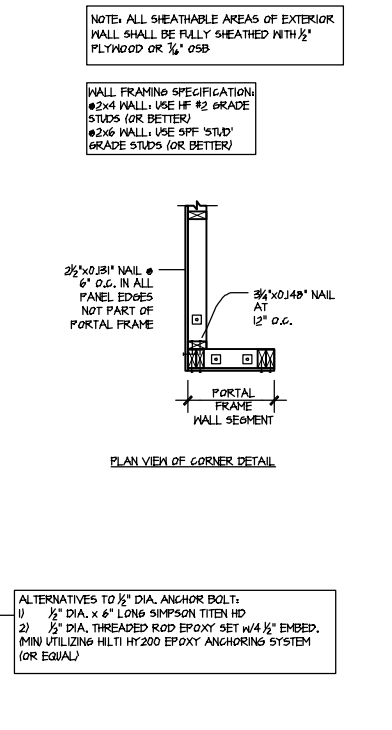
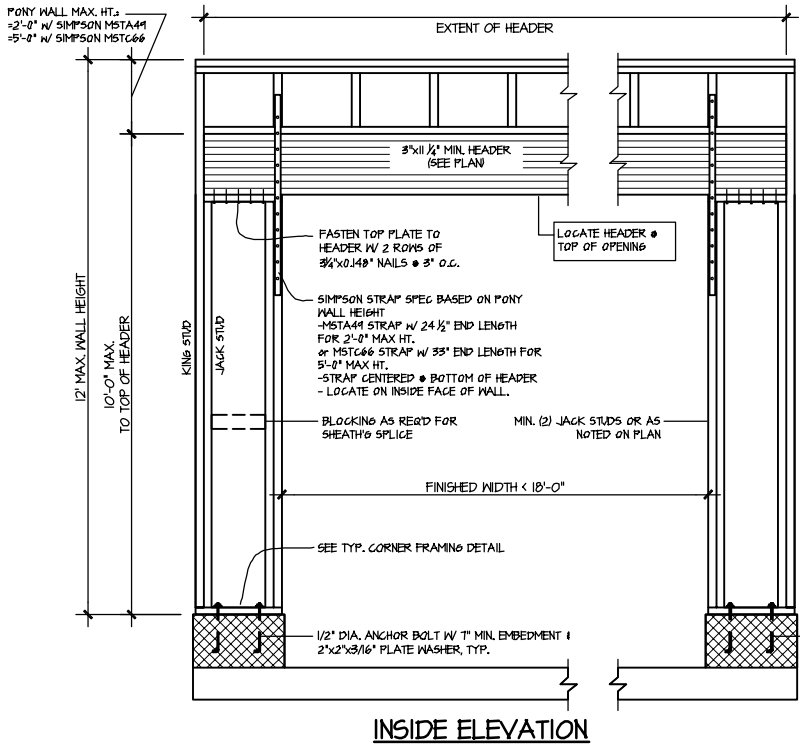
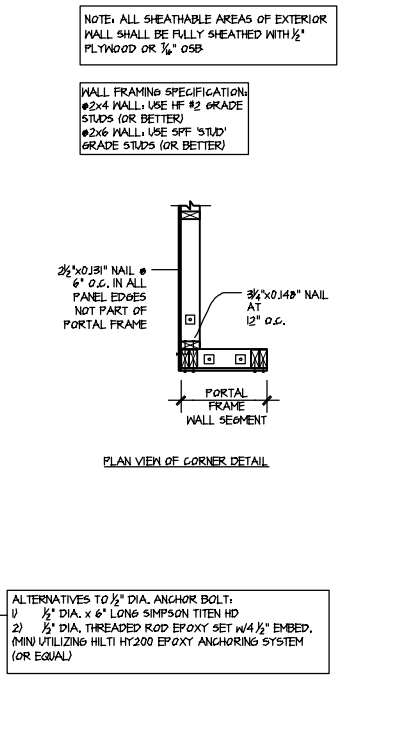
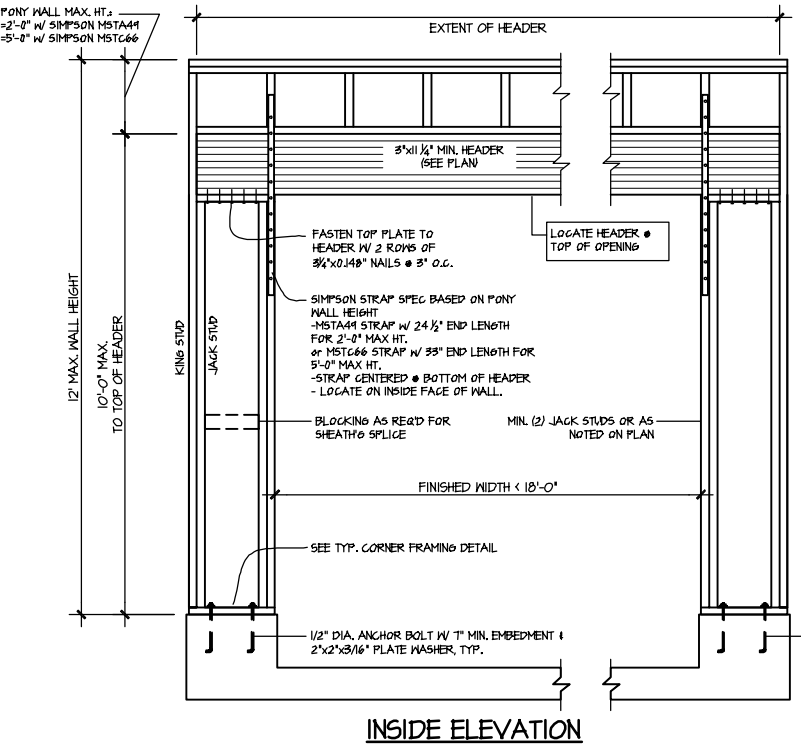
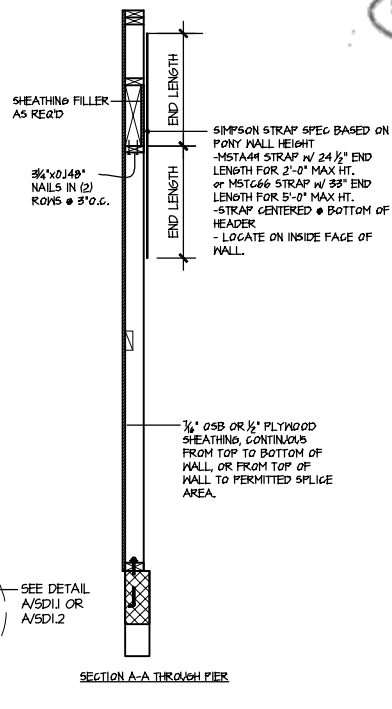
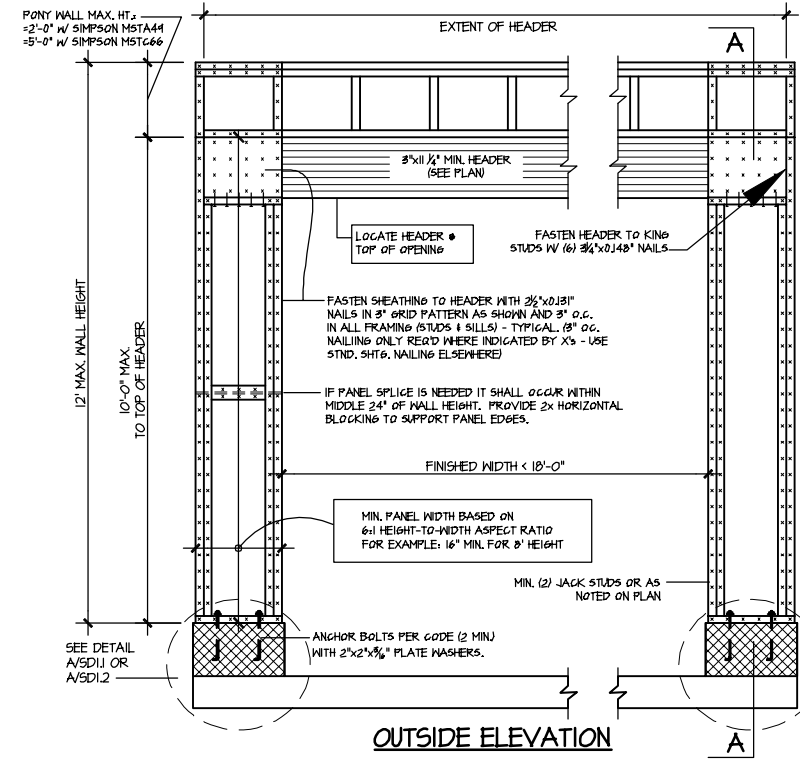
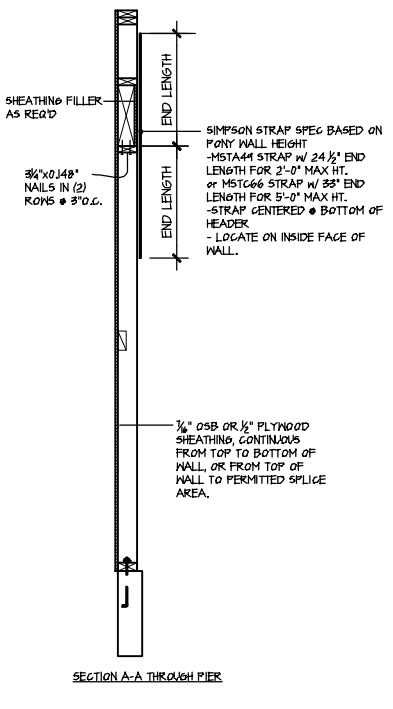
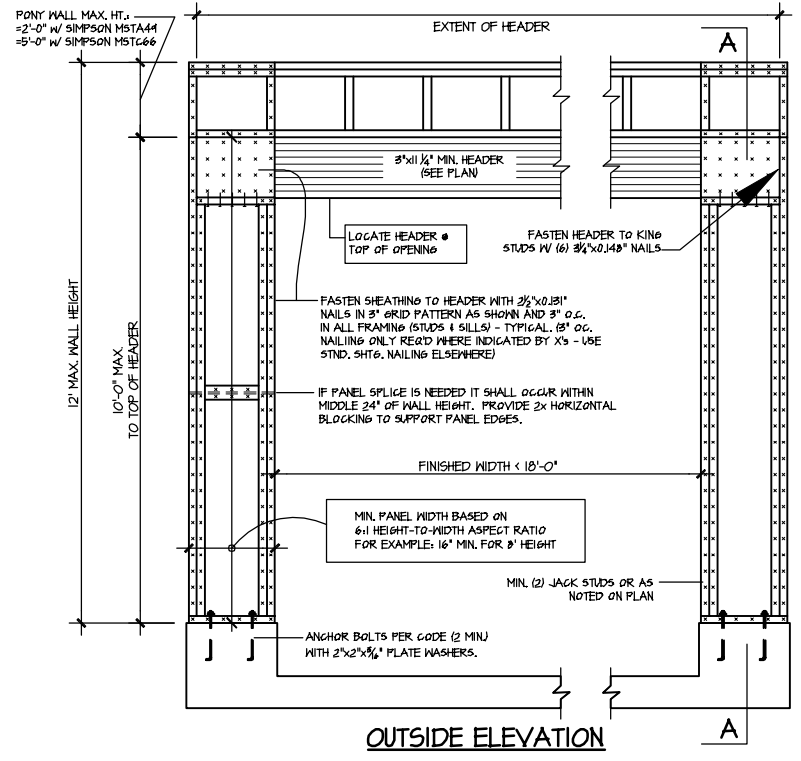
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300 Brookside Ave. Building 4 • Amber, PA 15002
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NC LIC. #C-3825

MAX project number:
126-21069
project mgr: JTR
drawn by: MDH
issue date: 01-12-22
REVISIONS:
date: initial



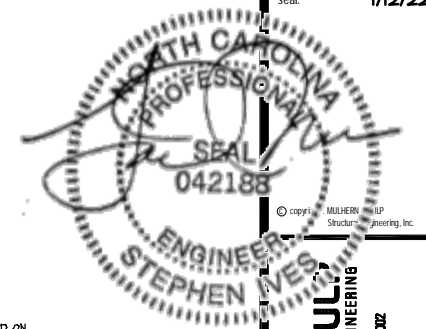
Framing Detail S
BURTON MODEL
RALEIGH, NC

sheet
SD2.2



IA GARAGE PORTAL FRAME BRACING ELEVATION
SCALE: N.T.S. BOTH SIDES OF GARAGE DOOR

IB GARAGE PORTAL FRAME BRACING ELEVATION
SCALE: N.T.S. BOTH SIDES OF GARAGE DOOR

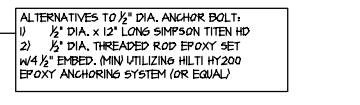
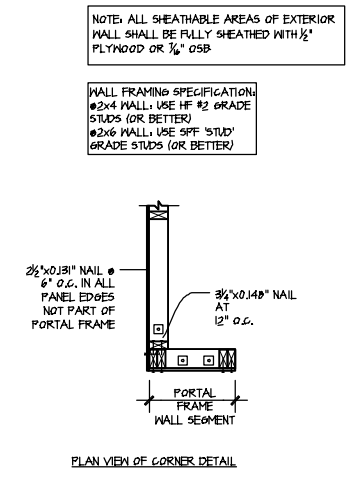
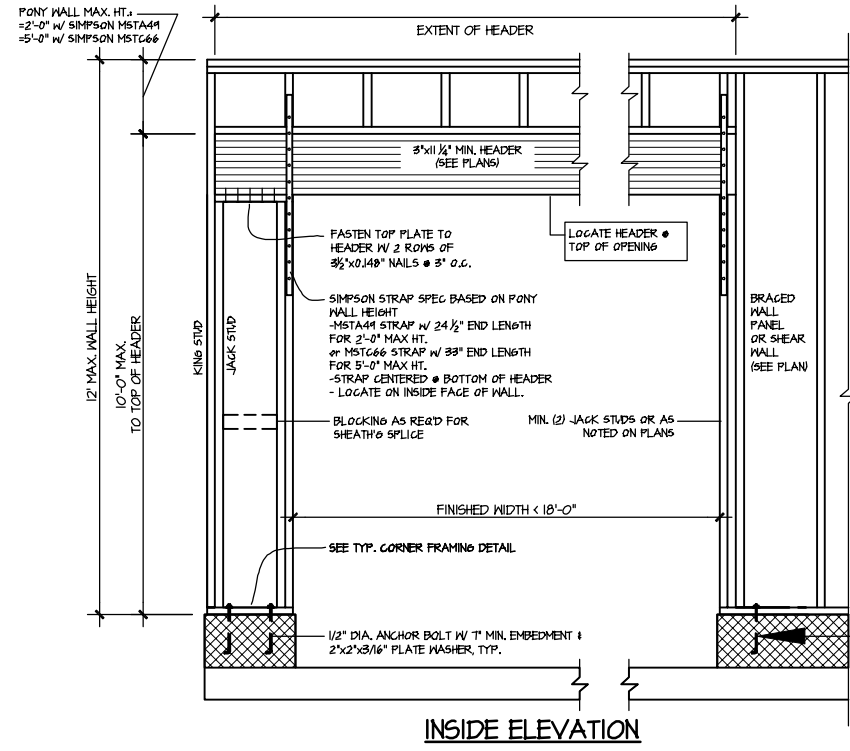
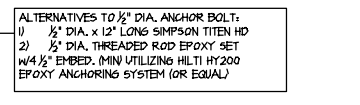
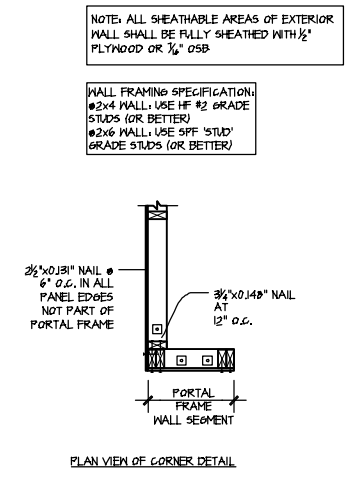
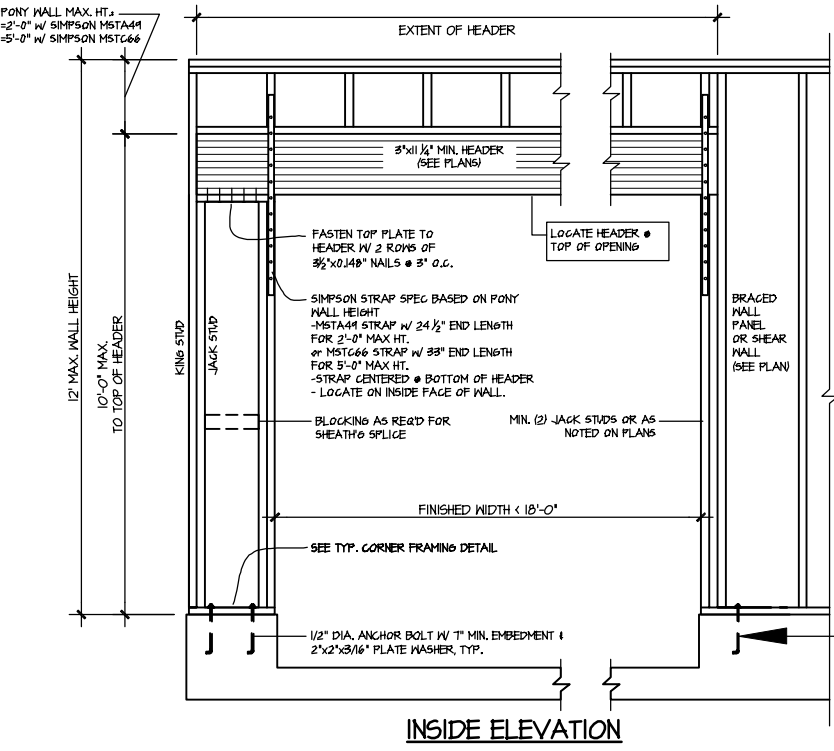
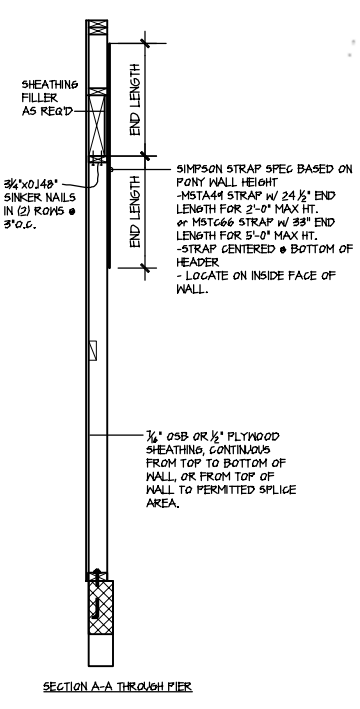
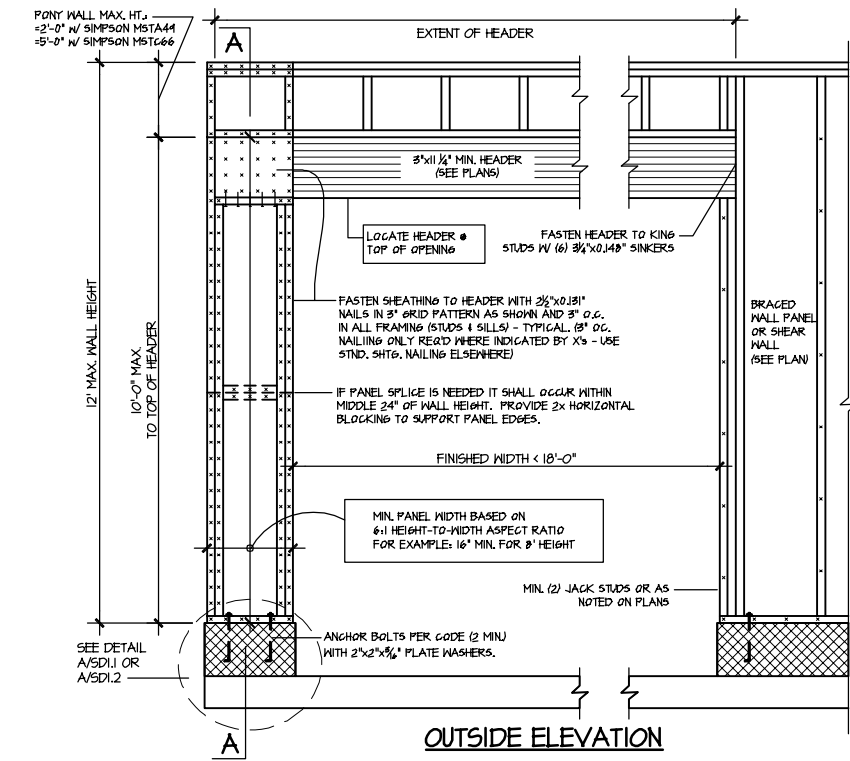
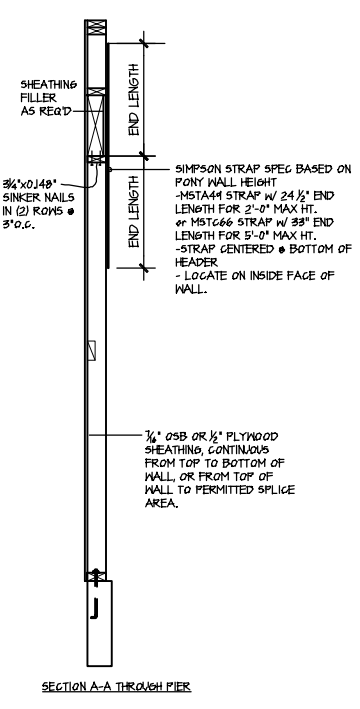
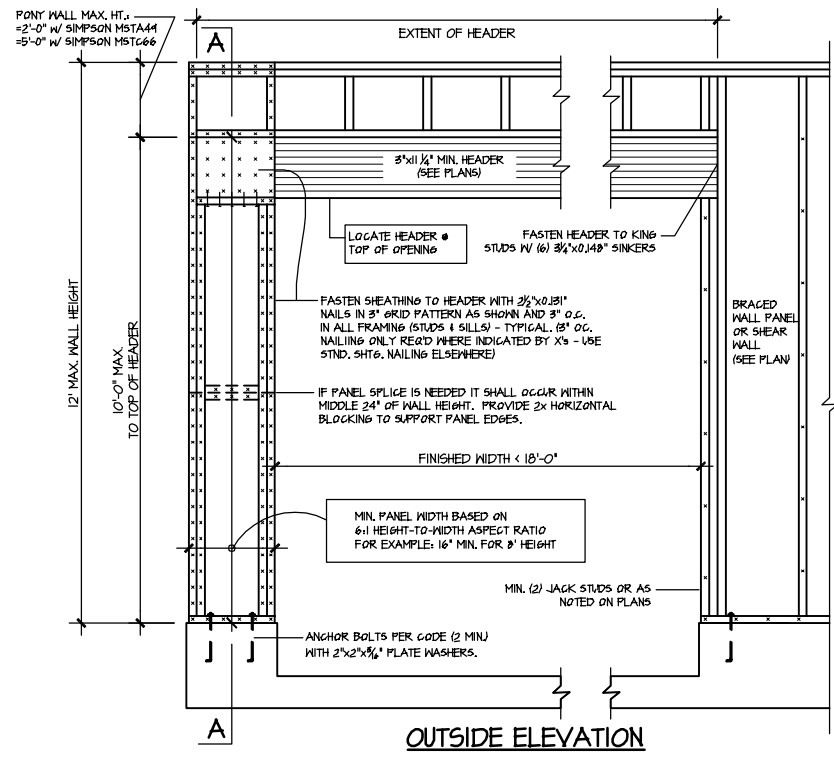


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MGX project number:
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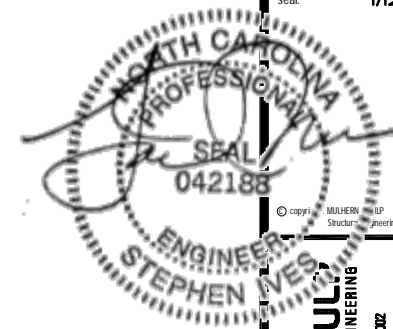


Framing Detail S
BURTON MODEL
RALEIGH, NC



IA GARAGE PORTAL FRAME BRACING ELEVATION
SCALE: N.T.S. ONE SIDE OF GARAGE DOOR

IB GARAGE PORTAL FRAME BRACING ELEVATION
SCALE: N.T.S. ONE SIDE OF GARAGE DOOR



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M&K project number:
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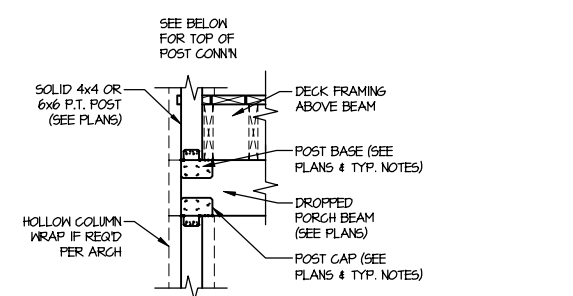
REVISIONS:

date:	initial:

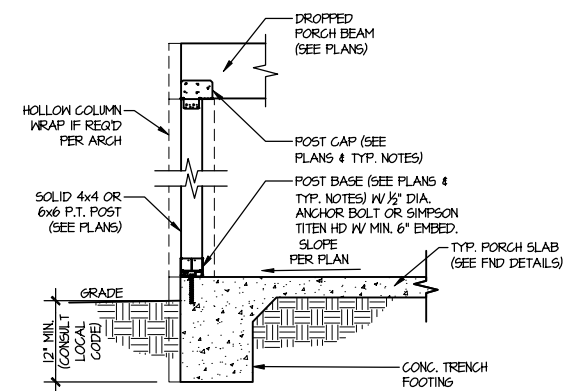


Framing Detail s
 BURTON MODEL
 RALEIGH, NC

sheet
SD3.0

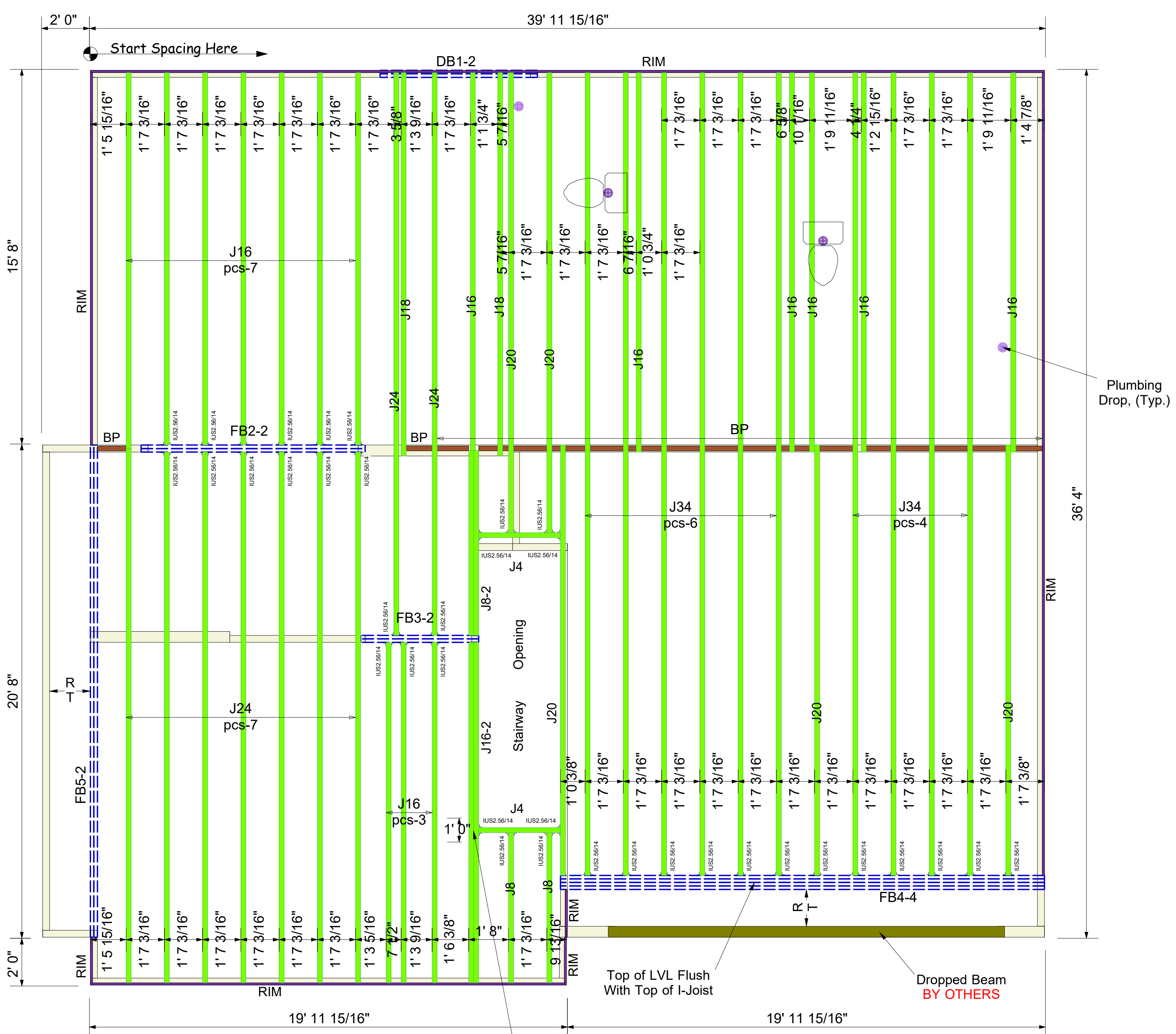
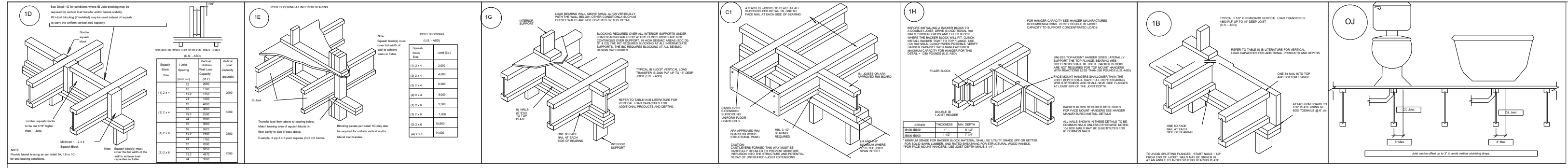


**TYPICAL CONNECTION
 DETAIL @ 2nd FLOOR DECK**



**TYPICAL PORCH
 POST CONNECTION DETAIL**

① SCALE: NONE
 SLAB ON GRADE SHOWN (SIM. @ CRANK & BSMT.)



Connector Summary		
Qty	Manuf	Product
37	Simpson	IUS2.56/14

Pack Out Center of Double I-Joist at Hanger Attachment, (Typ.)

Products						
PlotID	Length	Product	Plies	Net Qty	Fab Type	
J34	34' 0"	14" PJI-40	1	10	MFD	
J24	24' 0"	14" PJI-40	1	9	MFD	
J20	20' 0"	14" PJI-40	1	5	MFD	
J18	18' 0"	14" PJI-40	1	2	MFD	
J16	16' 0"	14" PJI-40	1	16	MFD	
J16-2	16' 0"	14" PJI-40	2	2	MFD	
J8	8' 0"	14" PJI-40	1	2	MFD	
J8-2	8' 0"	14" PJI-40	2	2	MFD	
J4	4' 0"	14" PJI-40	1	2	MFD	
DB1-2	8' 0"	2.0 RigidLam DF LVL 1-3/4 x 9-1/4	2	2	FF	
FB5-2	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF	
FB2-2	10' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF	
FB3-2	6' 0"	2.0 RigidLam DF LVL 1-3/4 x 14	2	2	FF	
FB4-4	22' 0"	2.0 RigidLam DF LVL 1-3/4 x 18	4	4	FF	
RIM	12' 0"	1 1/8" x 14" APA Rim Board	1	10	FF	
BP	2' 0"	14" PJI-40	1	12	FF	

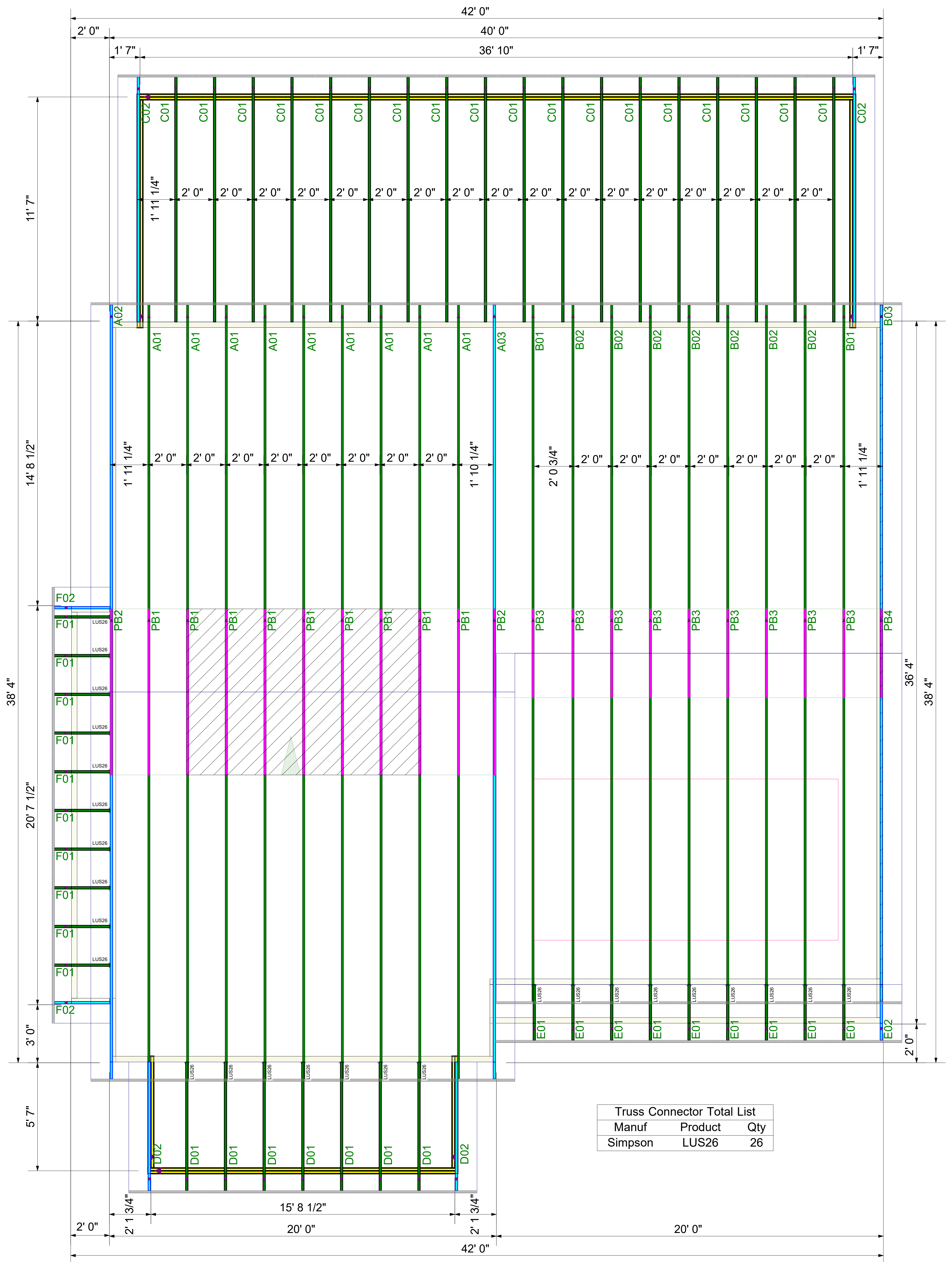
BLOCK SOLID UNDER ALL POST /POINT LOADS FROM ABOVE - TYPICAL AT ALL LOCATIONS

2nd Floor I-Joist
DRAWING SCALE : NTS

PROJECT NUMBER 22030207	REVISIONS	
SHEET NUMBER 1 / 1	DATE 03.25.22	BY RKW

Dan Ryan Builders
111 Farm at Neills Creek (Burton 2-GRFE)
2nd FLOOR I-JOIST PLACEMENT PLAN

Kempsville
Building Materials
A Division of the Carter Lumber Company



ROOF LAYOUT
DRAWING SCALE : NTS

PROJECT NUMBER 22030207	REVISIONS	
SHEET NUMBER 1 / 1	DATE 4-8-22	BY ND

DRB GROUP
BURTON 2 - 111 FARM AT NEILLS CREEK
ROOF TRUSS LAYOUT

