

1st Floor	935
2nd Floor	1320
Garage	429
Front Porch	101
Covered Deck	120
Out-Of-Garage Option	220

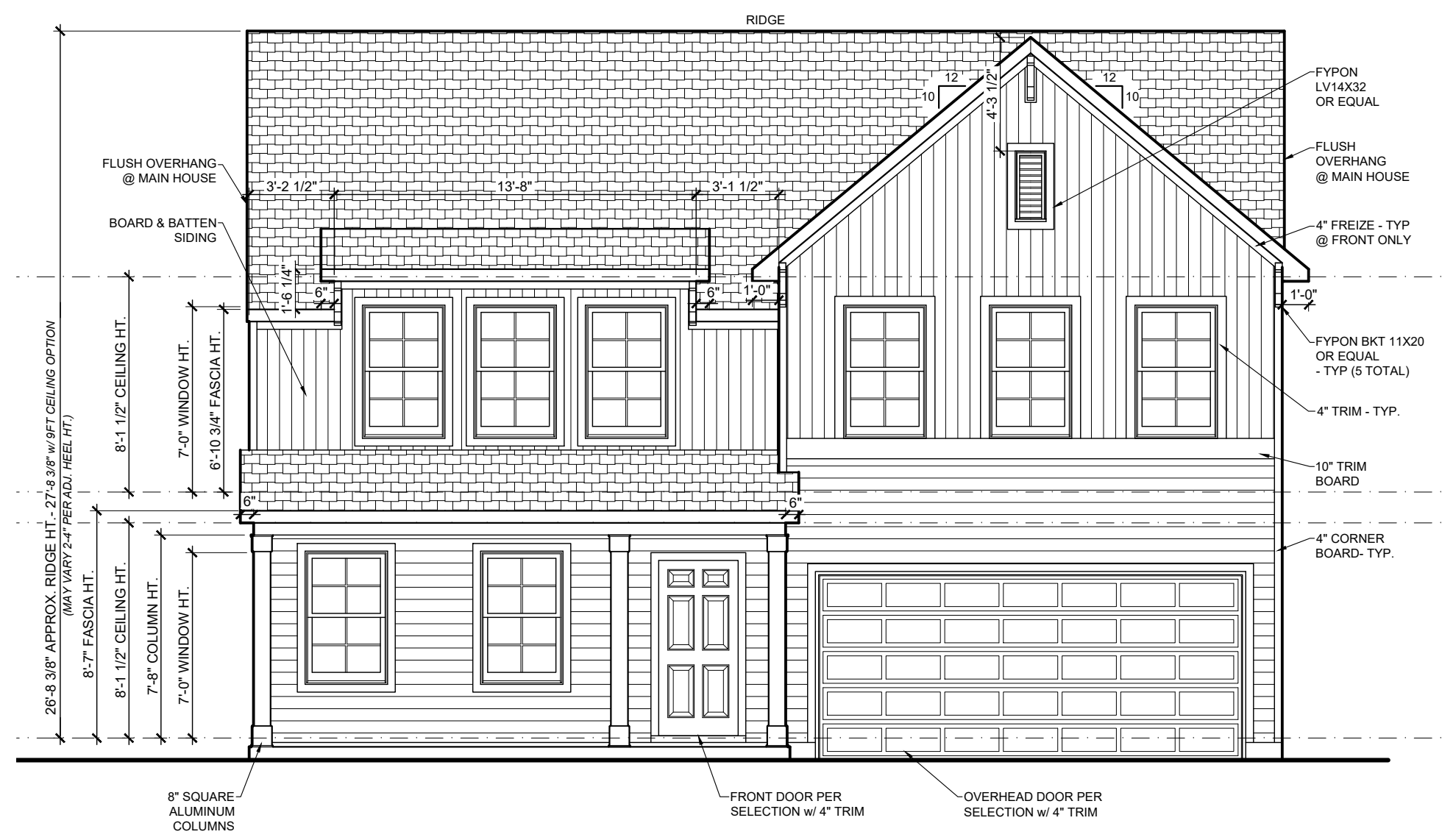
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1 LDP

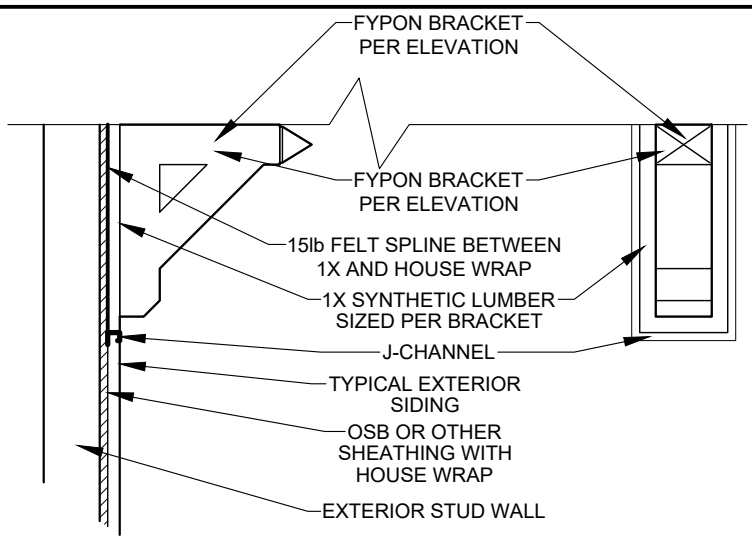
McDowell D
Genesis Series
v.05.02.00.00

Features:
Drawn By: ATW
Date: 9/6/2024

A1



FRONT ELEVATION
3/16" = 1'-0"



BRACKET DETAIL
1" = 1'-0"

- LIST OF DRAWINGS**
- A1 Front Elevation
 - A2 Elevations
 - A-R1 Roof Plans
 - B1 First Floor Plan
 - B2 Second Floor Plan
 - B3 Foundation Information
 - E1 First Floor Electrical Plan
 - E2 Second Floor Electrical Plan
 - S0.0 Structural Details
 - SC.3 Foundation Plan
 - S2.3 2nd Floor Framing Plan
 - S3.3 Roof Framing Plan
 - SO1.1 Option Framing Plans
 - FD-1 Foundation Details
 - FD-2 Foundation Details
 - FD-3 Foundation Details
 - SW-3 Structural Details
 - DD-1 Deck Details
 - 1st Floor I-Joist Layout
 - Floor Truss Layout
 - Roof Truss Layout

~~SEE SHEET AA-1 FOR STONE & BRICK WATER TABLE OPTIONS~~

- 9FT CEILING OPTION NOTES:**
- Fascia heights from 1st Flr of main house increase 12in. Fascia heights from 2nd Flr of main house remain the same.
 - Fascia/beam/column heights at Front and Rear Porches remain the same (regardless of fascia @ main house.)
 - Roof pitch at porch may change. Follow notes at elevations.
 - Window heights and sizes remain the same.



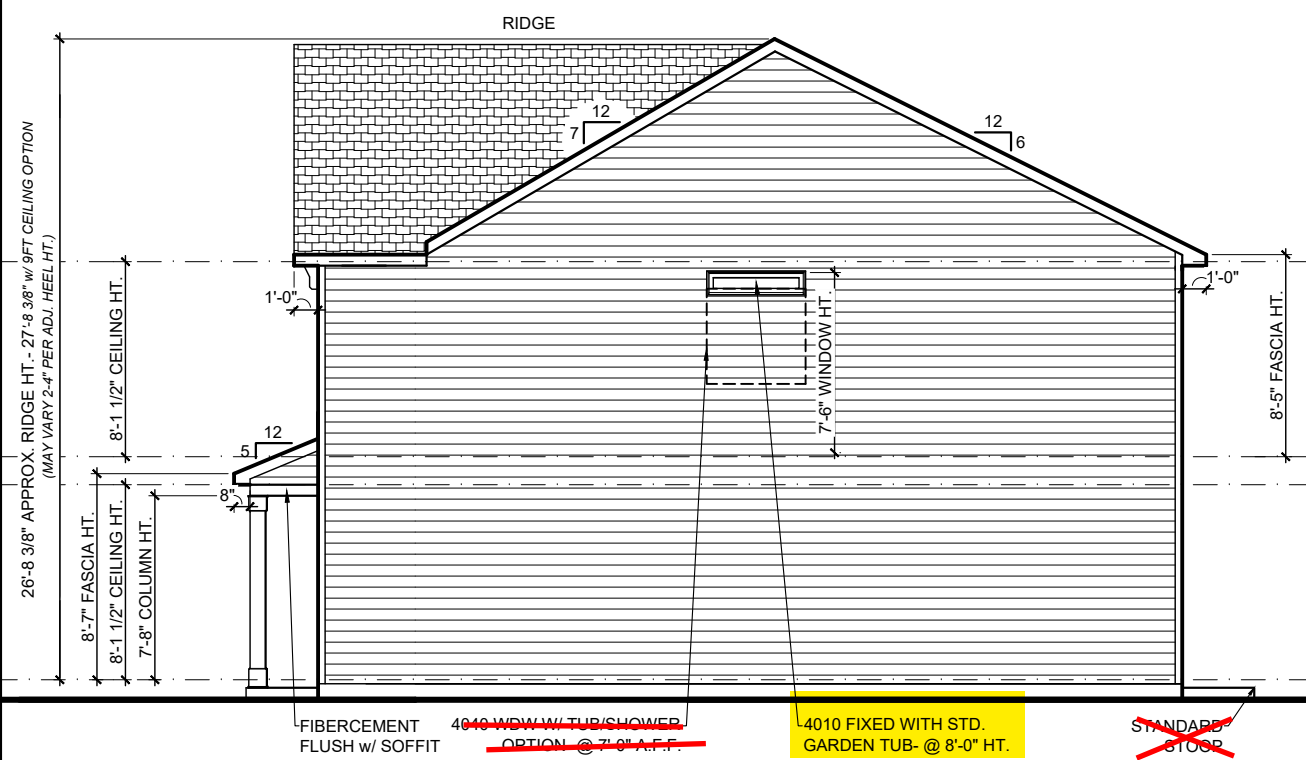
D Square Footages:

1st Floor	935
2nd Floor	1320
Garage	429
Front Porch	101
Covered Porch Option	120
3rd Car Garage Option	220

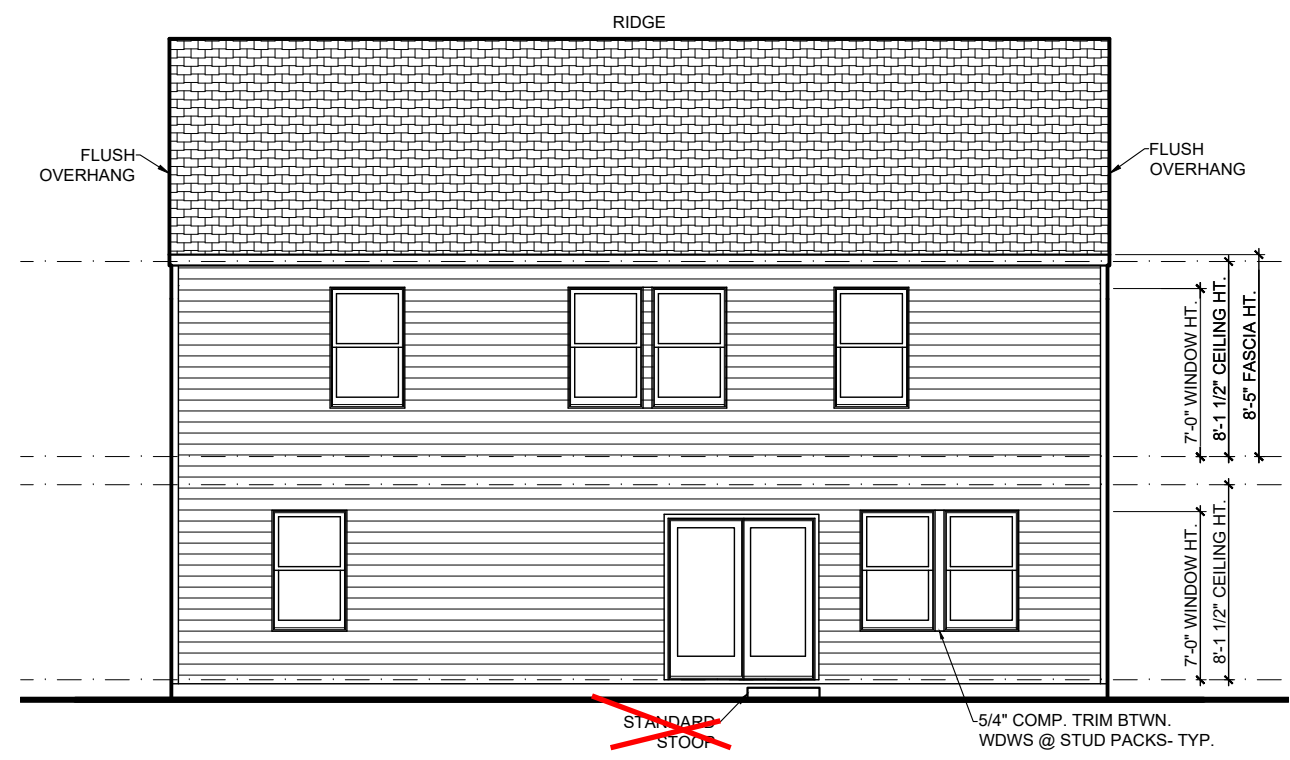
McDowell D
Genesis Series
v.05.02.00.00

Features:
Drawn By: ATW
Rev By: cja
am SH EB
Date: 9/6/2024

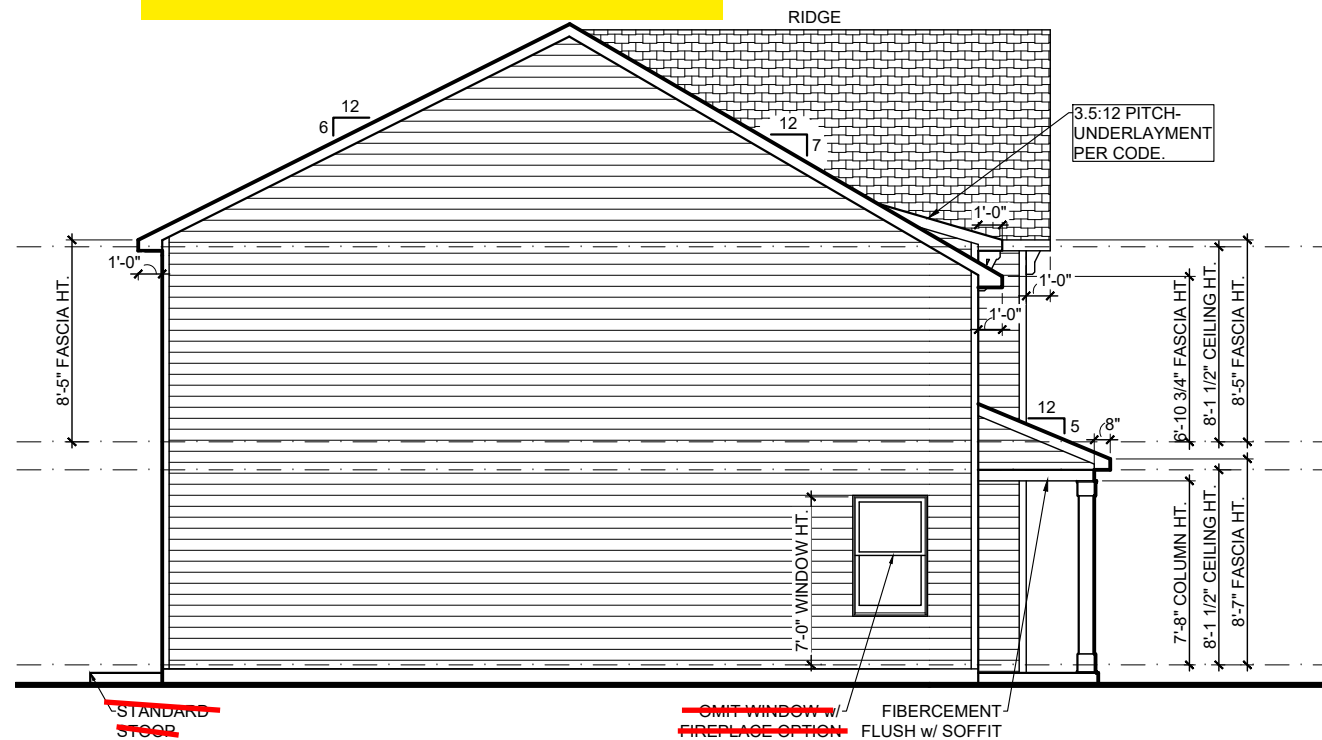
A2



RIGHT ELEVATION
1/8" = 1'-0"



REAR ELEVATION
1/8" = 1'-0"



LEFT ELEVATION
1/8" = 1'-0"

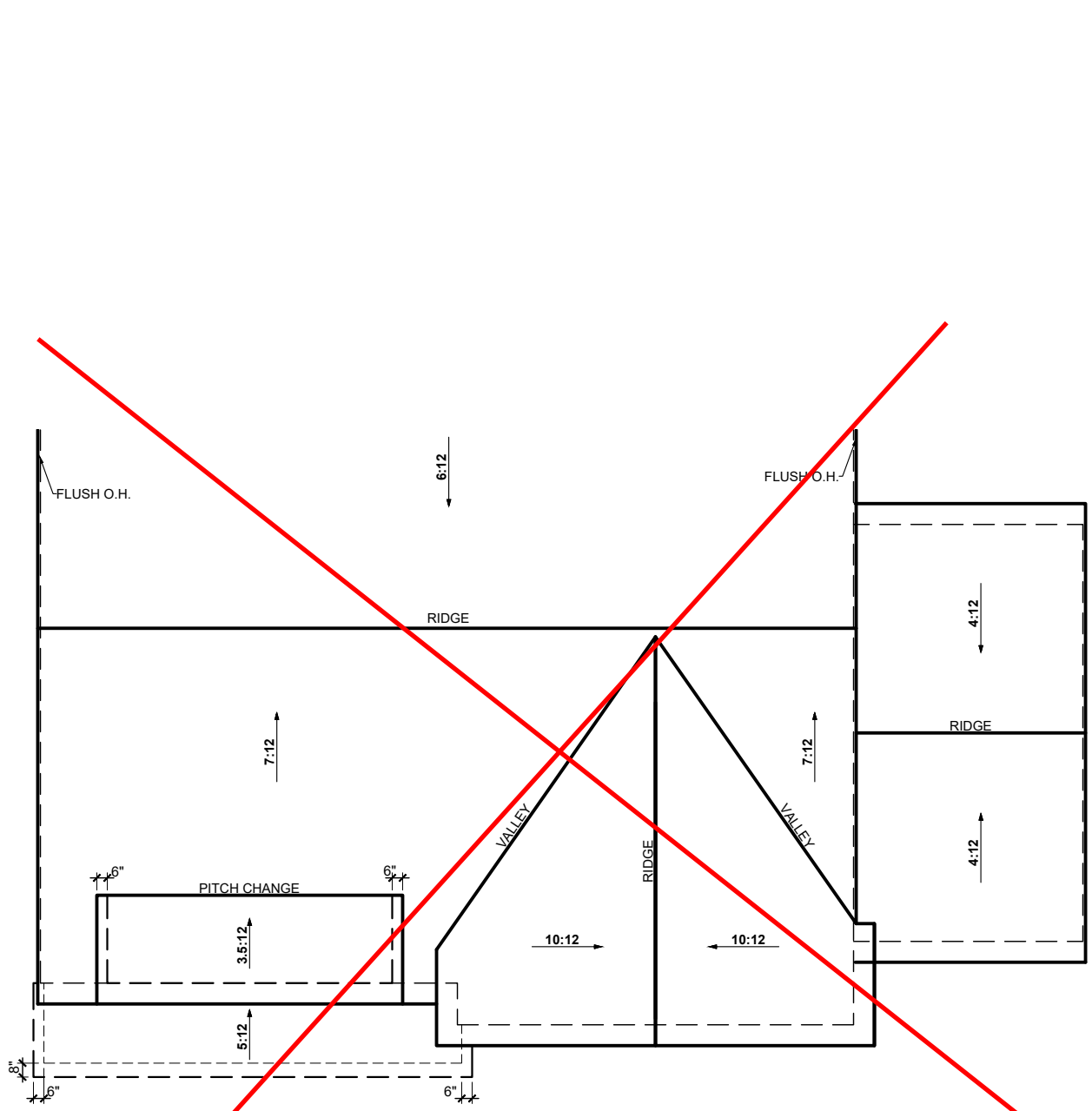
- 9FT CEILING OPTION NOTES:**
1. Fascia heights from 1st Flr of main house increase 12in. Fascia heights from 2nd Flr of main house remain the same.
 2. Fascia/beam/column heights at Front and Rear Porches remain the same (regardless of fascia @ main house.)
 3. Roof pitch at porch may change. Follow notes at elevations.
 4. Window heights and sizes remain the same.



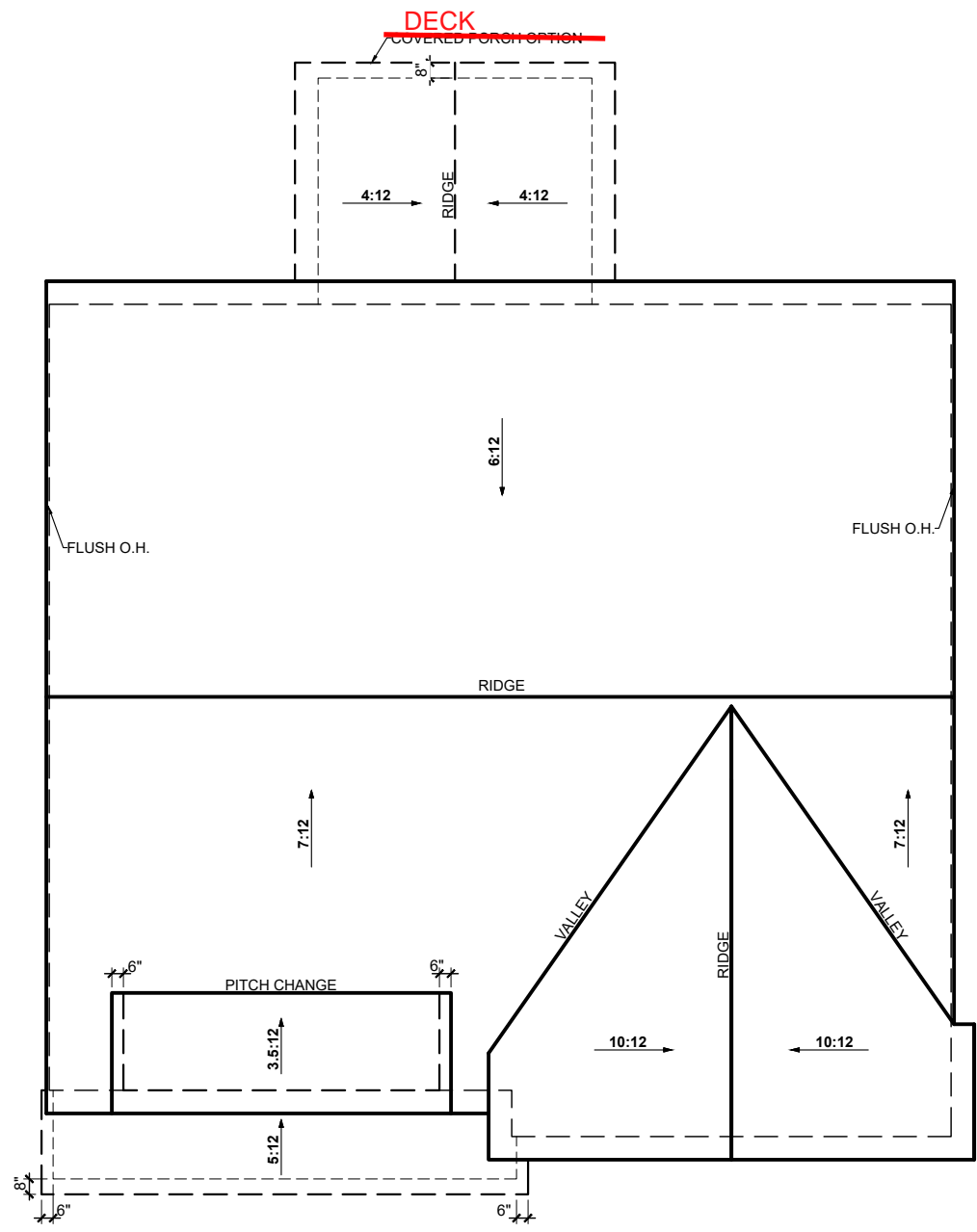
- NOTES:**
1. ALL OVERHANGS ARE 1'-0" U.N.O.
 2. ROOF PLANS *DO NOT* INCLUDE FULL BRICK OPTIONS.
 3. ROOF PLANS ARE NOT INTENDED FOR CONSTRUCTION USE. (INFORMATIONAL USE ONLY)
 4. BE SURE TO CHECK OVERHANG INFORMATION AT PLAN WHEN CALCULATING SOFFIT INTAKE

D Square Footages:

1st Floor.....	935
2nd Floor.....	1320
Garage.....	429
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220



3-Car Garage Option
1/8" = 1'-0"



ROOF PLAN
1/8" = 1'-0"

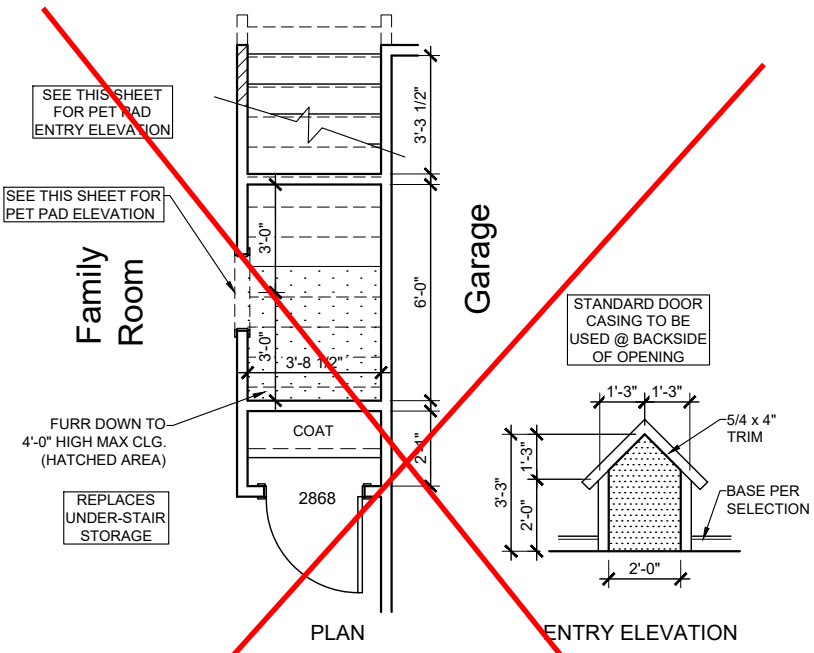
ROOF INFORMATION SUMMARY

MAIN ROOF-	
Base House:	
Attic Square Footage.....	1364 sf
Flat Soffit.....	67 lf
Ridge.....	56 lf
AREA(S) NOT AFFECTING MAIN ROOF-	
Front Porch:	
Attic Square Footage.....	76 sf
Flat Soffit.....	20 lf
Ridge.....	0 lf
Roof to Wall Ridge.....	4 lf
Rear Covered Porch Option:	
Attic Square Footage.....	116 sf
Flat Soffit.....	20 lf
Ridge.....	9 lf
3rd Car Garage Option :	
Attic Square Footage.....	220 sf
Flat Soffit.....	22 lf
Ridge.....	10 lf

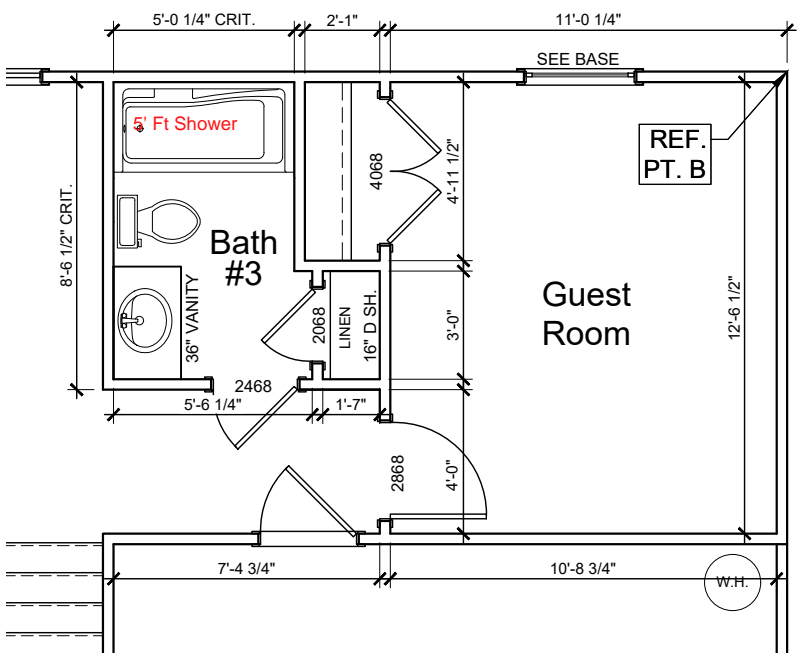
McDowell D
Genesis Series
v.05.02.00.00

Features:
Drawn By: ATW
Rev By: cja
am SH EB
Date: 9/6/2024

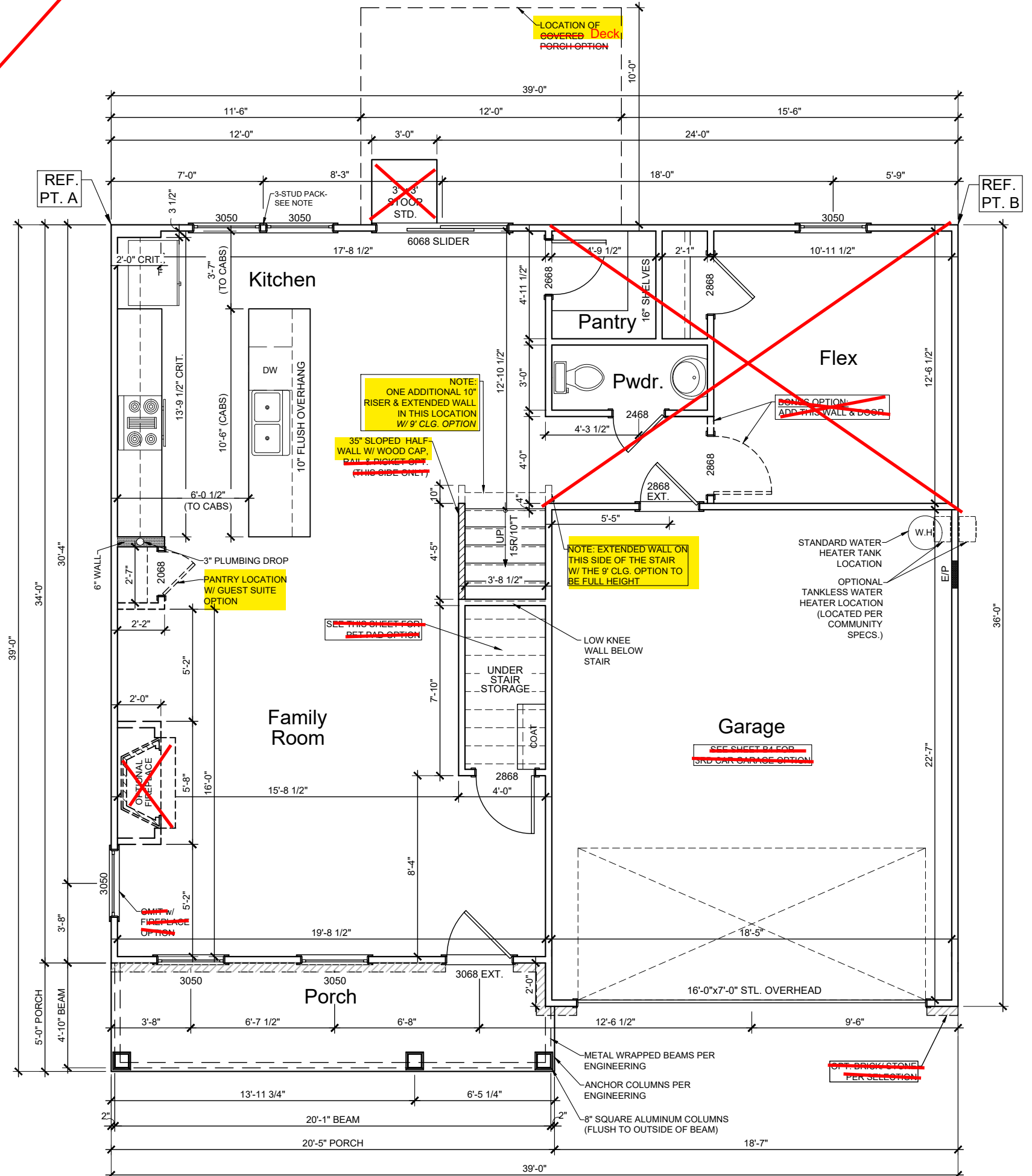
A-R 1



Pet Pad Option
 3/16" = 1'-0"
 I.L.O. UNDER STAIR STO.



Guest Suite Option
 3/16" = 1'-0"
 I.L.O. FLEX



FIRST FLOOR
 3/16" = 1'-0"

NOTES:
 1. SEE ENGINEERING FOR FRAMING PLANS.
 2. 8'-0" CEILING HEIGHTS @ 1ST FLOOR (9FT CLG. OPT.) U.N.O.
 3. 8'-0" CEILING HEIGHTS @ 2ND FLOOR U.N.O.
 4. WINDOW HEIGHTS VARY - FOLLOW ELEVATIONS CAREFULLY.
 5. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE.

3- STUD PACK NOTE:
 ALL FRAMING BETWEEN WINDOWS TO BE WRAPPED IN ICE & WATER SHIELD OR OTHER WEATHER RESISTANT BARRIER BEFORE WINDOWS ARE INSTALLED. MAINTAIN DRAINAGE PLAN FROM TOP TO BOTTOM WITH HOUSEWRAP- TYPICAL.

B1

Features:

Drawn By: ATW Rev By: cja
 am SH EB

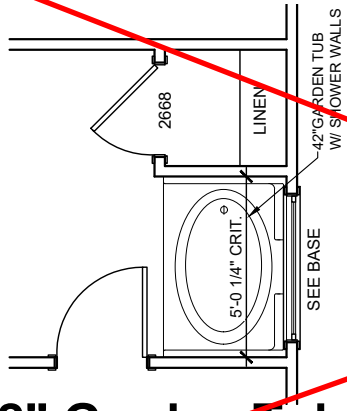
Date: 9/6/2024

McDowell D
 Genesis Series
 v.05.02.00.00

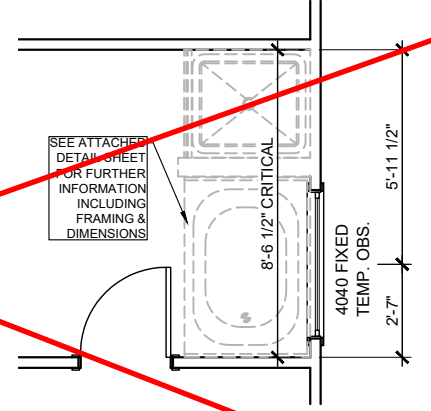
1st Floor.....	935
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Garage.....	429
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220

D Square Footages:

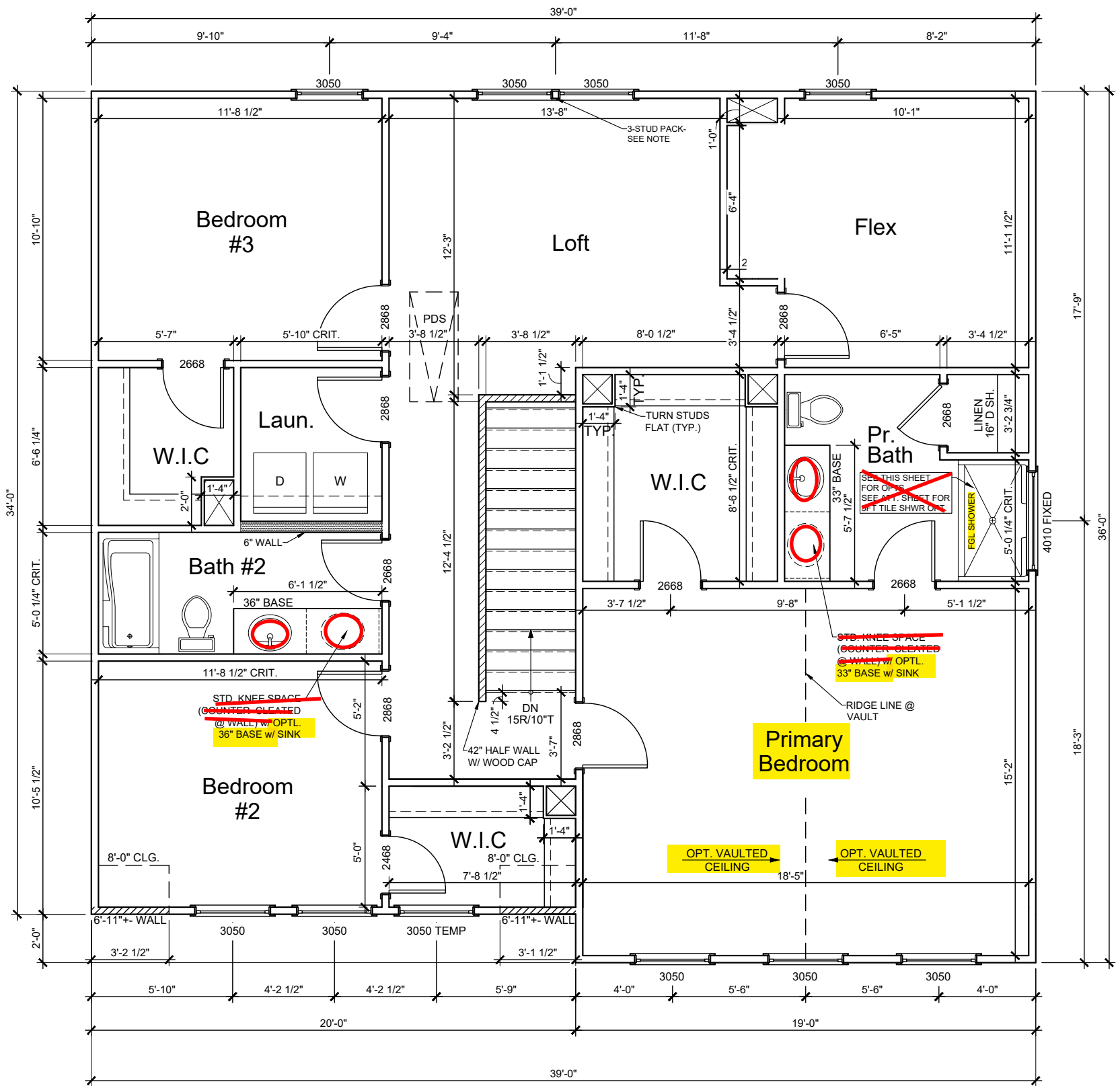
3-STUD PACK NOTE:
 ALL FRAMING BETWEEN WINDOWS TO BE WRAPPED IN ICE & WATER SHIELD OR OTHER WEATHER RESISTANT BARRIER BEFORE WINDOWS ARE INSTALLED. MAINTAIN DRAINAGE PLAN FROM TOP TO BOTTOM WITH HOUSEWRAP - TYPICAL.



**42" Garden Tub w/
 Shower Walls Option**
 3/16" = 1'-0" @ PRIMARY BATH



Tub/ Shower Option
 FOR ORIENTATION PURPOSES ONLY
 @ PRIMARY BATH @ 2ND FLOOR



SECOND FLOOR
 3/16" = 1'-0"

B2

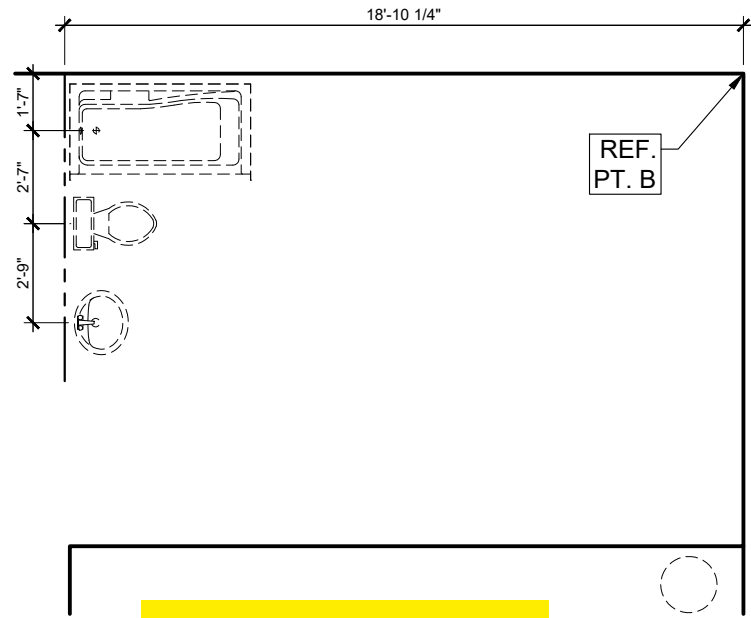
Features:
 Drawn By: ATW Rev By: cja
 Date: 9/6/2024 am SH EB

McDowell D
 Genesis Series
 v.05.02.00.00

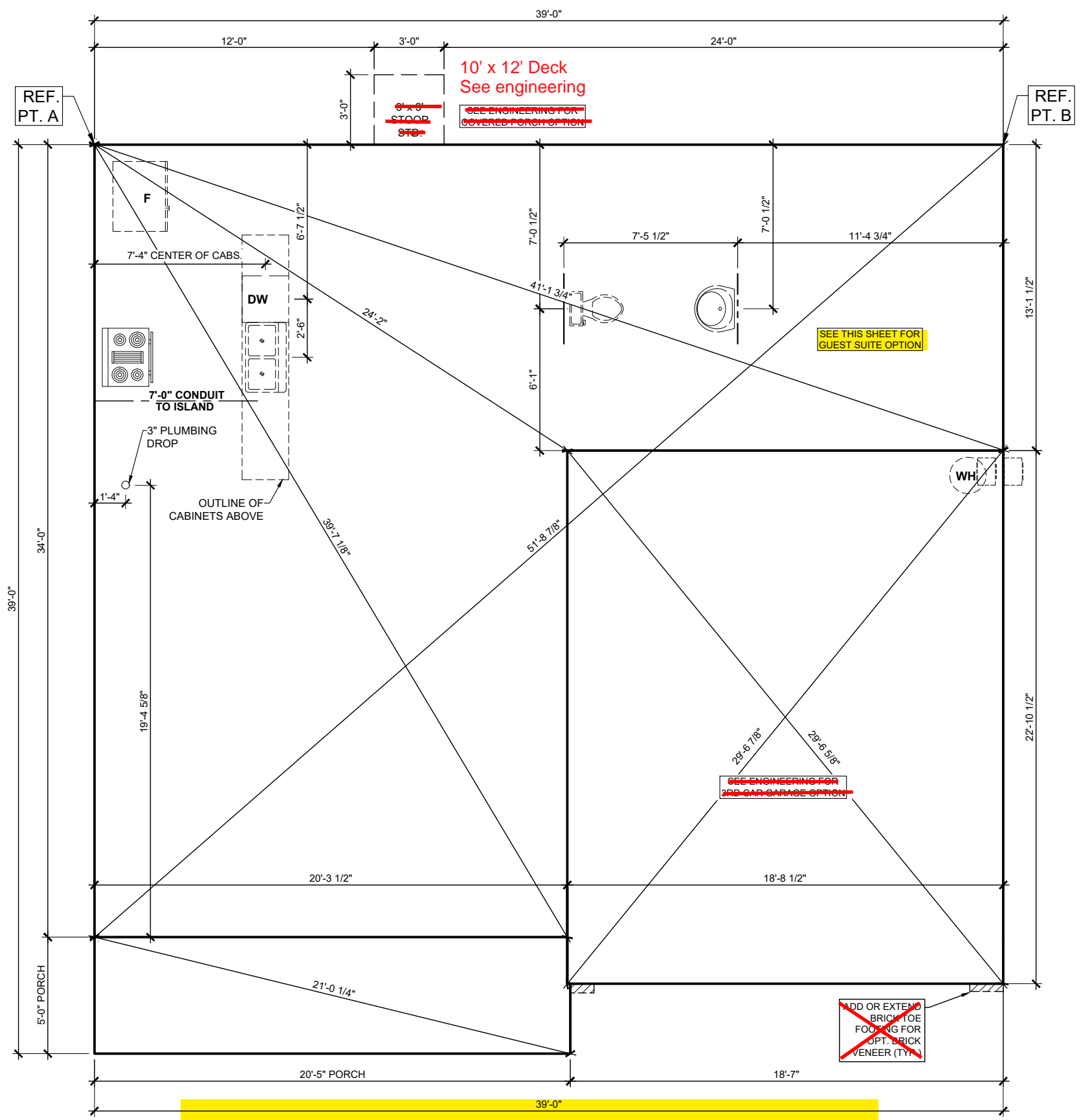
1st Floor.....	935
2nd Floor.....	1320
Garage.....	429
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220



- NOTES:
1. SEE ENGINEERING FOR STRUCTURAL INFORMATION
 2. CONTROL JOINTS
 - 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.



Guest Suite Opt.
 3/16" = 1'-0" I.L.O. FLEX



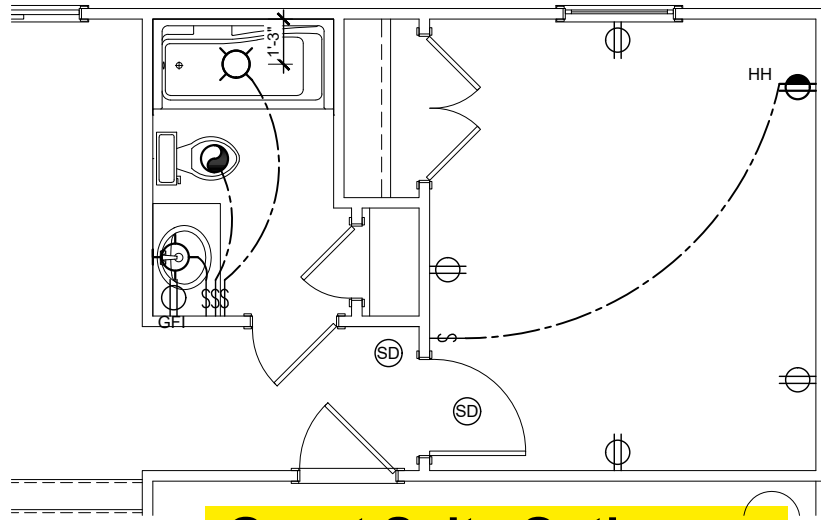
FOUNDATION INFORMATION SHEET
 3/16" = 1'-0"

DIMMER SWITCH TO LIGHT CENTERED ON FLAT

Pet Pad Option

3/16" = 1'-0"

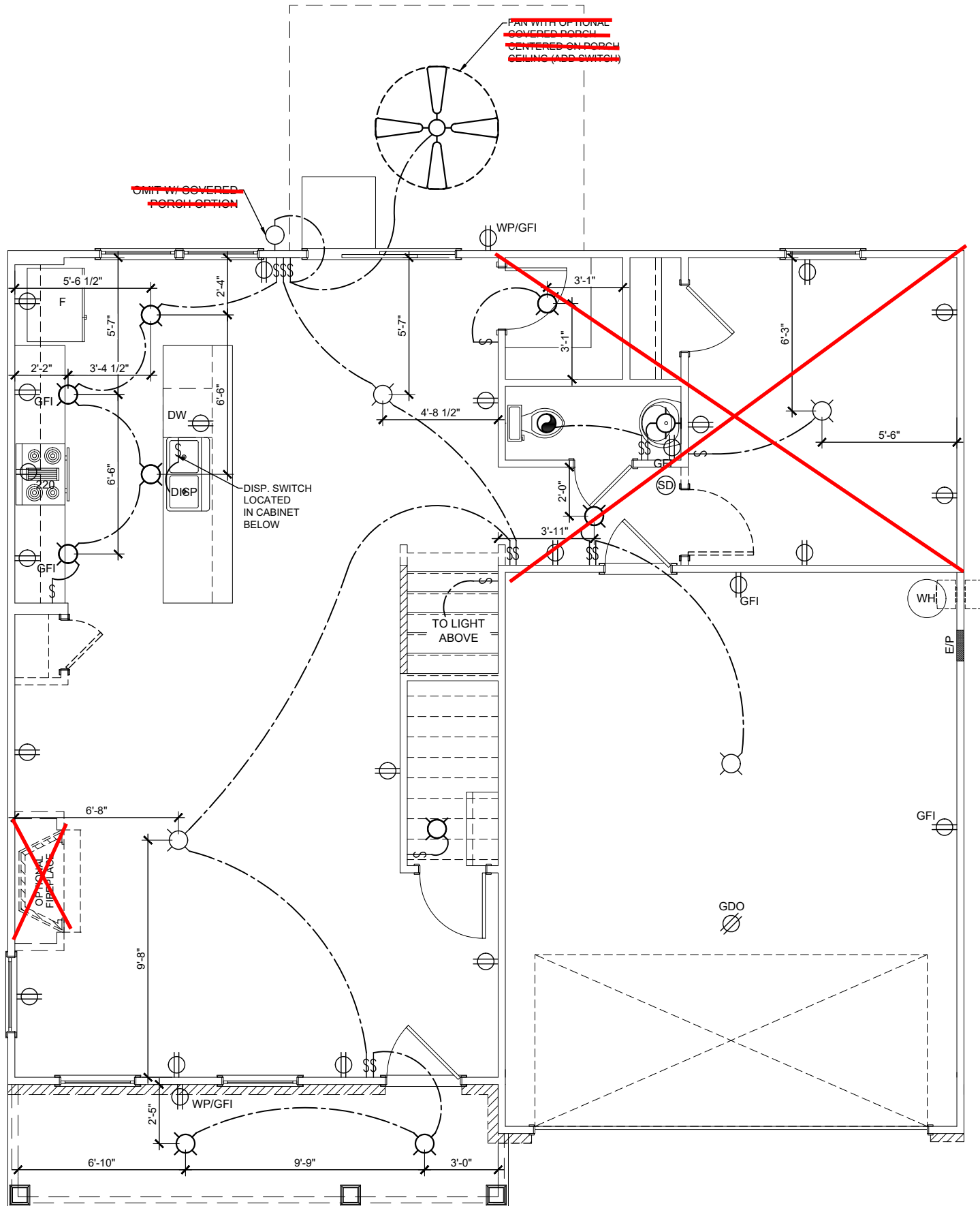
I.L.O. UNDER STAIR STO.



Guest Suite Option

3/16" = 1'-0"

See Page SO1.1 for Opt. Wood Deck



FIRST FLOOR - ELECTRICAL

3/16" = 1'-0"

E1

Features:

Drawn By: ATW

Rev By: cja
am SH EB

Date: 9/6/2024

McDowell D

Genesis Series
v.05.02.00.00

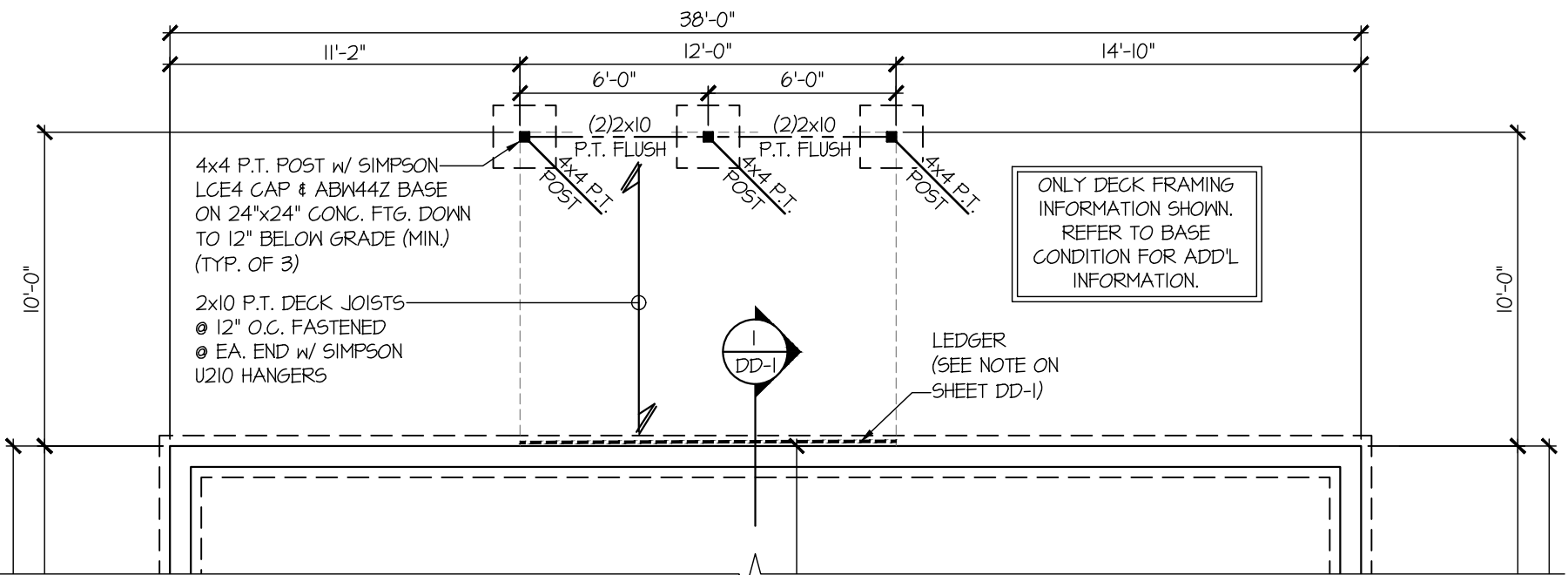
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D Square Footages:



ADD'L HARDWARE SCHEDULE FOR
OPT. WOOD DECK

QTY	PRODUCT
24	SIMPSON U210 HANGER
3	SIMPSON LCE4 POST CAP
3	SIMPSON ABW44Z POST BASE
4	SIMPSON H3 CLIP
2	SIMPSON BC52-2/4 POST BASE



**PARTIAL CRAWLSPACE FOUNDATION PLAN
OPT. WOOD DECK**
SCALE: 3/16"=1'-0" ALL ELEVS. SIM.

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

SO1.1

OPTION FRAMING PLANS

TELFAIR
COVERED PORCH
WIND SPEED < 115 MPH NORTH CAROLINA



DATE: 09-04-20

PROJECT NO: 192-17017

DRAWN BY: MDS

ISSUE DATE: 09-04-20

REVISIONS:

DATE: 09-04-20

BY: MDS

PROJECT NO: 192-17017

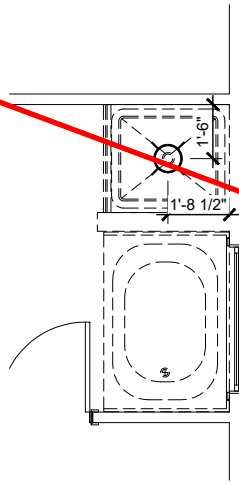
DATE: 09-04-20

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

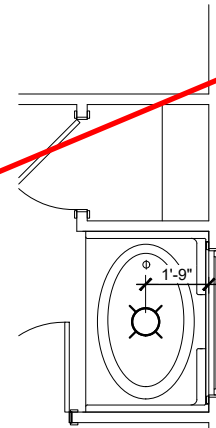
300 Brookside Ave, Building 4 - Ambler, PA 19002
p 215-646-8001 • mulhern+kulp.com
NC License # C-3825

SEAL
47622

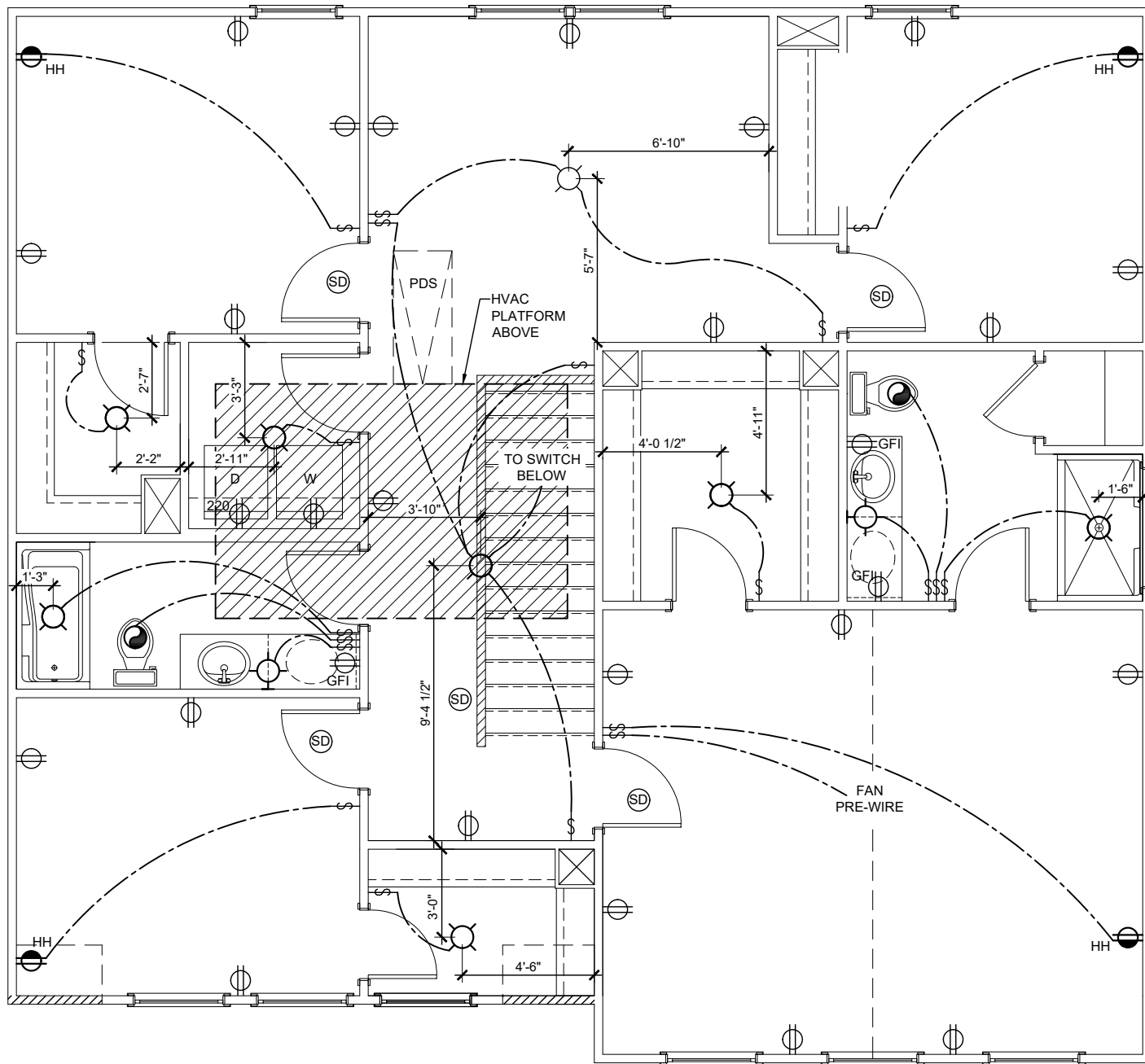
2/19/24



Tub/ Shower Option
 FOR ORIENTATION PURPOSES ONLY
 @ PRIMARY BATH @ 2ND FLOOR



**42" Garden Tub w/
 Shower Walls Option**
 3/16" = 1'-0" @ PRIMARY BATH



SECOND FLOOR - ELECTRICAL

3/16" = 1'-0"

EN

Features:

Drawn By: ATW

Rev By: cja
 am SH EB

Date: 9/6/2024

McDowell D

Genesis Series
 v.05.02.00.00

1st Floor.....	935
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Garage.....	429
Front Porch.....	101
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3rd Car Garage Option.....	220

D Square Footages:



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 PL. TO JOIST/TRIM OR BLKG STUD TO PLATE, RIM TO TOP PLATE, etc.

* 2 1/2"x0.131 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

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", 9'-6", 16'-0".

ALL LINTELS: - SHALL SUPPORT 2 3/8" - 3 1/2" VENEER w/ 40 psf MAXIMUM WEIGHT. < 16' SHALL HAVE 4" MIN. BEARING, > 16' SHALL HAVE 8" MIN. BEARING, etc.

- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2 1/2" (MINIMUM) CLEAR DISTANCE FROM BOT. OF BEAM.

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", UP TO 12'-0".

LEGEND

- Interior Bearing Wall, Bearing Wall Above (B.M.A.) - AND/OR - SHEAR WALL ABOVE (S.M.A.), Beam / Header, Extent of Overframing (O.F.), Extent of Tile Over Floor, Extent of Bracing Panels/Shearwall w/ Adnl. Connection Requirements, Indicates Hold-Down or Strap, Metal Hanger, Indicates Post Above (P.A.) Provide Solid Blocking Under Post or Jamb Above.

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.

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE RESIDENTIAL CODE. FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY. FASTEN 2x4/6 SILL PLATES TO CONC. FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING: 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C. W/ 1" MIN. EMBEDMENT OR SIMPSON MASA ANCHORS @ 6'-0" O.C.

- 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.

- DIMENSIONS BY OTHERS, BUILDER TO VERIFY. BUILDER TO PROVIDE SUBTERRANEAN TERMITE PROTECTION MEETING THE REQUIREMENTS OF R301 OR LOCAL CODE REQUIREMENTS.

- CRANKSPACE/BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY EITHER ADEQUATE TEMPORARY BRACING OR INSTALLATION OF FIRST FLOOR DECK. CRANKSPACE/BASEMENT WALL DESIGN IS BASED ON BACKFILL SOIL CLASSIFICATIONS OF GM, GP, SM, SP (30 pcf) OR GM, GC, SM, SM-SC, ML (45 pcf). IF SC, ML-CL, OR CL (60 pcf) SOIL IS ENCOUNTERED ON SITE, CONTACT MULHERN & KULP FOR FURTHER EVALUATION OF FOUNDATION DESIGN.

- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C40 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (Fm=1500 psi). MORTAR SHALL BE ASTM C270, TYPE S. CMU DESIGN PER TMS 402/602.

- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL JOINT REINFORCEMENT (OR EQUAL) - 9 GA. MINIMUM @ 16" O.C. PROVIDE 2x6 x 16" LONG P.T. PLATE ON TOP OF ALL CRANK SPACE PIERS. TOP COURSE OF PIERS SHALL BE SOLID MASONRY OR FILLED SOLID.

- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRANK SPACE WALLS, FASTENED PER ANCHORAGE SPECIFICATION NOTED ABOVE. BASEMENT FOUNDATION WALL DESIGN BASED ON: 9' OR 10' HEIGHT (SEE PLAN) ACTUAL WALL WIDTHS ASSUMED FOR DESIGN, NOMINAL WIDTHS SHALL NOT BE USED.

- 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.

EXTERIOR & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 115 MPH WIND IN 2018 NC5BC:RC (115 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER NC5BC R301.2.1.1) EXP. B & SEISMIC CAT. A/B.

THE ENGINEERED DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.3 OF THE 2018 NC5BC.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NC5BC:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3/8"x0.131 NAILS @ 6" O.C. AT EDGES @ 12" O.C. IN THE PANEL FIELD. (TYP. U.N.O.)

- ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUDS) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 2 3/8" x 0.131" NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUDS) 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. REFER TO DETAIL SHEET. 'NUMBERED' DETAILS ARE REFERENCED ON PLAN. DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O. DESIGN ASSUMES ALL INTERIOR SHEAR WALLS AND EXTERIOR WALLS ARE CONTINUOUS SHEATHED ABOVE AND BELOW OPENINGS. WHERE PANELS ARE APPLIED TO BOTH FACES OF WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. 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 AS FOLLOWS: P1 SHEAR PANELS - 3" x 0.120" NAILS @ 6" O.C. P3 SHEAR PANELS - 3" x 0.120" NAILS @ 4" O.C.

INDICATES LOCATION AND EXTENT OF SHEARWALL WHICH REQUIRES SHEATHING AND/OR FASTENING SPECIFICATIONS BEYOND THAT OF STANDARD CONSTRUCTION

GENERAL STRUCTURAL NOTES

FLOOR FRAMING

- TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES STONE/MARBLE OR WET BED CONSTRUCTED FLOORS - CONTACT MK FOR EXCLUDED FLOOR DESIGNS) PER THE GUIDELINES OF THE TILE COUNCIL OF NORTH AMERICA (TCNA HANDBOOK), IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO VERIFY THAT THE FINISHES TO BE INSTALLED MATCH THE DESIGN CRITERIA NOTED ABOVE (UNDER 'DESIGN LOADS'). METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O. FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C., EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND: - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD. - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 6" O.C. FIELD. - 2 3/8" x 0.131" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD.

ROOF FRAMING

- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - W/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 6" O.C. FIELD. - W/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 6" O.C. FIELD. - W/ 2 3/8" x 0.131" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. FIELD. WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC. FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5A HURRICANE CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. CLIPS MUST BE INSTALLED ON EXTERIOR FACE OF EXTERIOR WALLS OR THE SAME SIDE AS THE SHEAR WALL SHEATHING. ALL ROOF GIRDER TRUSSES AND FLUSH BEAMS WITHIN THE ROOF SYSTEM SHALL BE FASTENED TO THE DOUBLE TOP PLATES AND POST SUPPORT W/ (2) SIMPSON H2.5A CLIPS OR APPR. EQUAL (TYP. U.N.O. ON PLANS) TRUSS ALL VALLEY SETS. FASTEN TO TRUSS BELOW W/ SIMPSON H2.5A TIES AT EACH END AND AT EACH TRUSS BETWEEN. METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O. ERECT AND INSTALL ROOF TRUSSES PER ITGA & TPI'S BC51 'GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.' SUPPORT SHORT SPAN ROOF TRUSSES W/ 2x4 LEDGER FASTENED TO FRAMING W/ (2) 3" x 0.120" NAILS @ 16" O.C. (UP TO 7' SPAN).

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. TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING: A. ROOF TRUSSES: 1/4" DEAD LOAD B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD C. FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS: LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

LIST OF ABBREVIATIONS

Table with 2 columns: Abbreviation, Full Name. Rows include B.F. BALLOON-FRAMED BEAM, BOT. BOTTOM BEARING, BRG. BEARING, B.M.A. BEARING WALL ABOVE, etc.

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE RESIDENTIAL CODE. WOOD FRAME ENGINEERING IS BASED ON NDS, 'NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION' - LATEST EDITION. MODEL IS CONSIDERED AS 'FULLY ENCLOSED'. OPENING PROTECTION PER BUILDER (MINIMUM STRUCTURAL PANELS PER CODE) DESIGN LOADS: ROOF LIVE = 20 PSF, DEAD = 17 PSF ATTIC = 20 PSF AT HT. > 42' LOAD DURATION FACTOR = 1.25 FLOOR LIVE = 40 PSF (30 PSF AT SLEEPING AREAS) DEAD = 15 PSF (10 PSF T.C., 5 PSF B.C.) (TRUSSES) = 10 PSF (1-JOISTS/5AMN) (ADDL. 10 PSF AT TILE) WIND S115 MPH, EXPOSURE B SEISMIC DESIGN CATEGORY A/B

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE (IRC TABLE R602.3(1)) OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS. EXT. & INT. BRG./SHEAR WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPP/SP STUD GRADE LUMBER, OR BETTER, U.N.O. WALLS OVER 12' TALL SHALL BE PER PLAN. ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED W/ GYP WALL BOARD (ONE SIDE MIN) OR PROVIDE MID HT. BLOCKING.

- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPP) OR SOUTHERN PINE #2 (SP) LUMBER, OR BETTER. SUPPORT ALL HEADERS/ BEAMS W/ (1)2x JACK STUD & (1)2x KING STUD, MINIMUM. THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O.

- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD GRADE MEMBERS SPACED @ 16" O.C. (MAX, U.N.O.) SEE 'NON-BEARING HEADER SCHEDULE' HEADER SIZES IN NON-LOAD BEARING WALLS. ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).

- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING: * LVL - Fb=2600 psi; Fv=285 psi; E=2,010,000 psi * ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING: * LVL - Fb=2400 psi; Fc=1,250 psi; E=1,810,000 psi

- FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/2"x3/8" SIMPSON SDS SCREENS (OR 3/2" TRUSSLOK SCREENS) @ 16" O/C. ALT. FASTENING SPEC FOR 3 PLY BEAMS ONLY: FASTEN PLIES TOGETHER WITH 2 ROWS OF 1/2" DIA. THRU BOLTS @ 16" O.C. USE A MINIMUM OF 4 ROWS (NAILS/SCREENS) OR 3 ROWS (BOLTS) FOR BEAM DEPTHS OF 14" OR GREATER. APPLY NAIL/SCREEN FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM FASTENERS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.

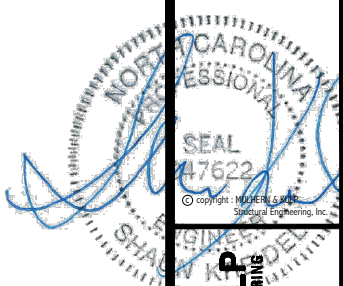
- FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/2"x6" SIMPSON SDS SCREENS (OR 6 3/4" TRUSSLOK SCREENS) @ 16" O/C OR 2 ROWS OF 1/2" DIA. THRU BOLTS @ 16" O.C. USE A MINIMUM OF 4 ROWS (SCREENS) OR 3 ROWS (BOLTS) FOR BEAM DEPTHS OF 14" OR GREATER. APPLY SCREIN FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREENS). LOCATE TOP AND BOTTOM FASTENERS 2" FROM EDGE. A SOLID 1" BEAM IS ACCEPTABLE.

- REFER TO IRC FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. U.N.O. FASTEN ALL METAL CONNECTORS (I.E. HANGERS, CLIPS, ETC) PER MANUFACTURER'S SPECIFICATIONS FOR MAXIMUM TABLE LOAD VALUE U.N.O.

- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE. CORROSION NOTES: BUILDER RESPONSIBLE TO DETERMINE CORROSION-RESISTANCE REQUIREMENTS AND COMPATIBILITY OF HARDWARE, FASTENERS AND CONNECTORS FOR ENVIRONMENTAL EXPOSURE AND IN CONTACT W/ PRESERVATIVE-TREATED WOOD OF ACTUAL FINAL CONDITIONS AND SOURCED MATERIALS. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.

- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SPP OR 5TP, 'STUD' GRADE OR BETTER.

- MK SHALL NOT BE RESPONSIBLE FOR ANY ISSUES RESULTING FROM OR RELATED TO ANY DELEGATED ENGINEERED COMPONENTS IF THE OWNER DOES NOT SUBMIT THE COMPONENT SHOP DRAWINGS TO MK FOR A CONFORMANCE REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.



MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 300 Bowdoin Ave., Building 4 - Asheville, NC 28802

project number: 192-17012 project mgr: SMK issue by: MRG draw date: 03-24-22

REVISIONS: date: initial:



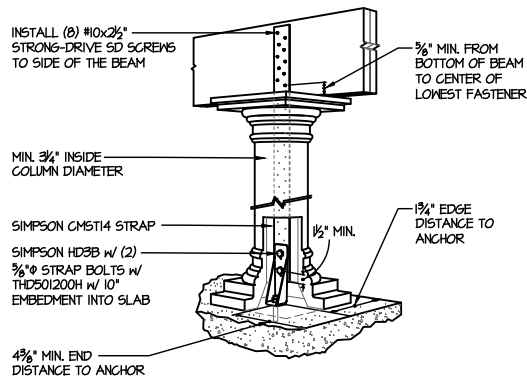
GENERAL STRUCTURAL NOTES McDowell

SO.0

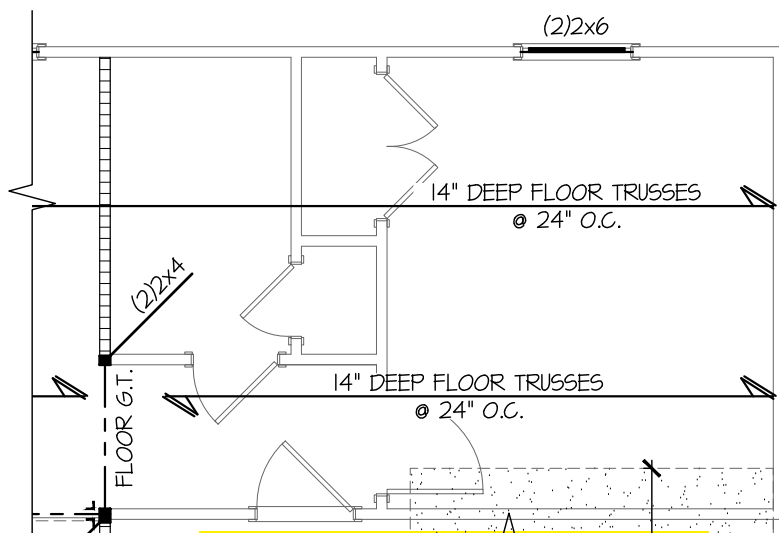
2ND FLOOR HARDWARE SCHEDULE
ELEVATION D

QTY	PRODUCT
20	SIMPSON H2.5A CLIP
3	SIMPSON HD3B HOLDOWN
3	SIMPSON CMST14 STRAP

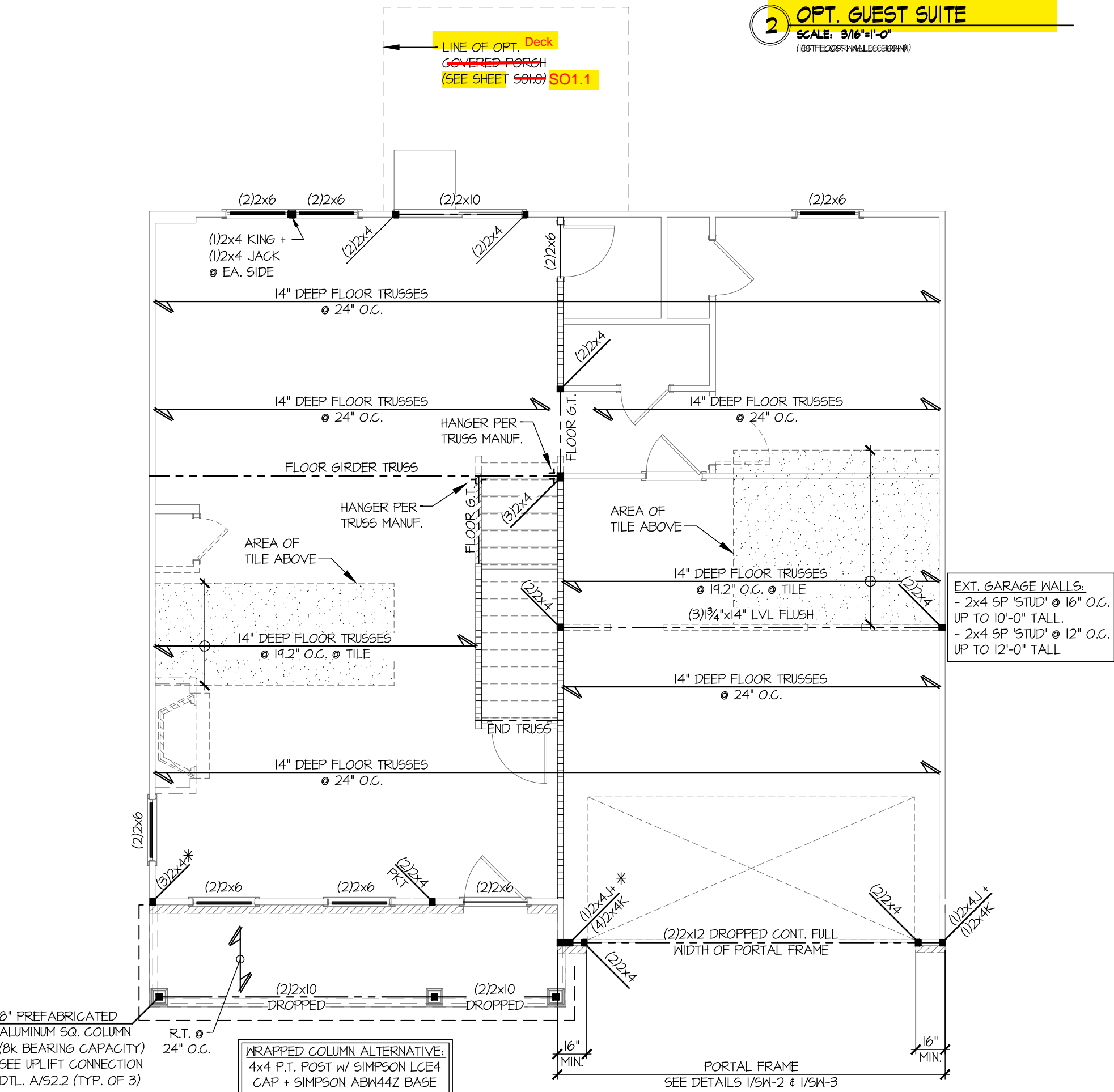
HARDWARE NOTES:
 - ALL NAIL HOLES FILLED
 - ALL COUNTS ESTIMATED
 - HARDWARE COUNT DOES NOT INCLUDE TRUSS TO TRUSS CONNECTIONS



(A) HOLLOW STRUCTURAL COLUMN UPLIFT DETAIL
NOT TO SCALE - AS REQUIRED



**2 PARTIAL 2ND FLR PLAN
OPT. GUEST SUITE**
SCALE: 3/16"=1'-0"
(1ST FLOOR WALLS SHOWN)



EXT. GARAGE WALLS:
 - 2x4 SP 'STUD' @ 16" O.C.
 UP TO 10'-0" TALL.
 - 2x4 SP 'STUD' @ 12" O.C.
 UP TO 12'-0" TALL

PLAN DESIGNED FOR
8' -OR- 9' PLATE HEIGHT

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

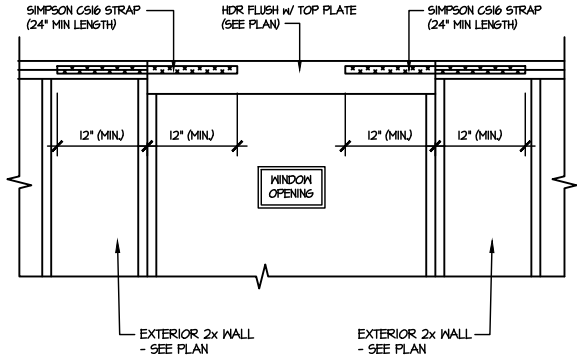
1 2ND FLOOR FRAMING PLAN
SCALE: 3/16"=1'-0"
(1ST FLOOR WALLS SHOWN) ELEV. D

2/19/24

ROOF HARDWARE SCHEDULE
ELEVATION D

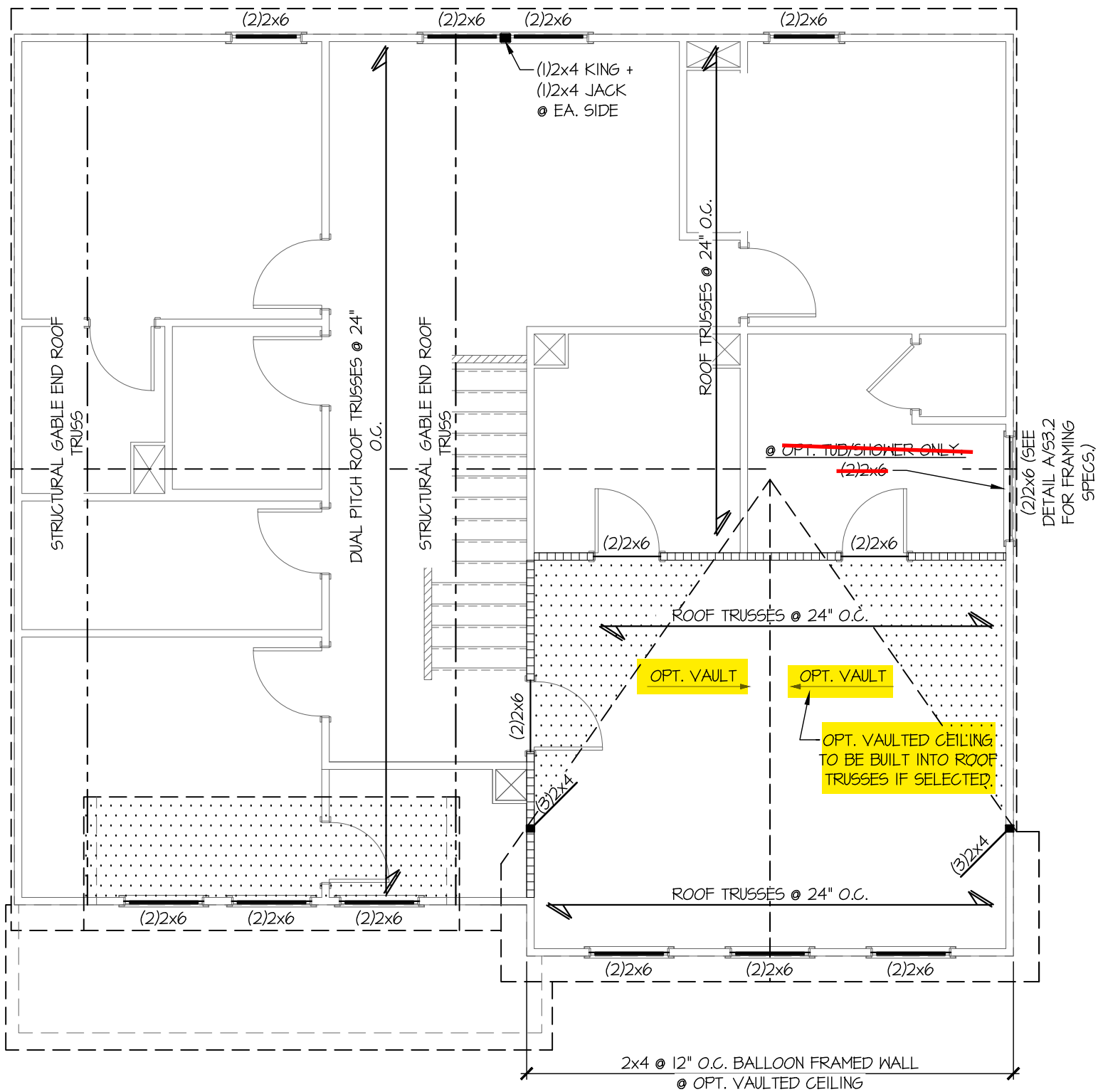
QTY	PRODUCT
86	SIMPSON H2.5A CLIP
2	SIMPSON C516 (24" STRAP)

HARDWARE NOTES:
 - ALL NAIL HOLES FILLED
 - ALL COUNTS ESTIMATED
 - HARDWARE COUNT DOES NOT INCLUDE TRUSS TO TRUSS CONNECTIONS



SHEAR TRANSFER DETAIL AT UPSET WINDOW

A SCALE: 3/8"=1'-0"



PLAN DESIGNED FOR
8' PLATE HEIGHT

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



ROOF FRAMING PLAN

SCALE: 3/16"=1'-0"
(2ND FLOOR WALLS SHOWN)

ELEV. D

S3.3

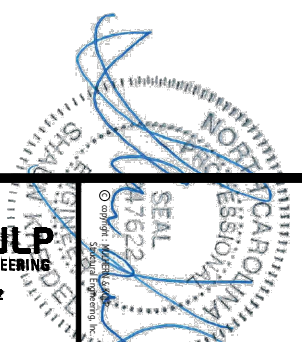
ROOF FRAMING PLAN
McDOWELL
ELEVATION D
WIND SPEED < 115 MPH NORTH CAROLINA



ARCH: 02.01.00.00
 date: _____
 REVISIONS: _____
 project mgr: SMK
 drawn by: MRG
 issue date: 03-24-22
 M&K project number: 192-17012



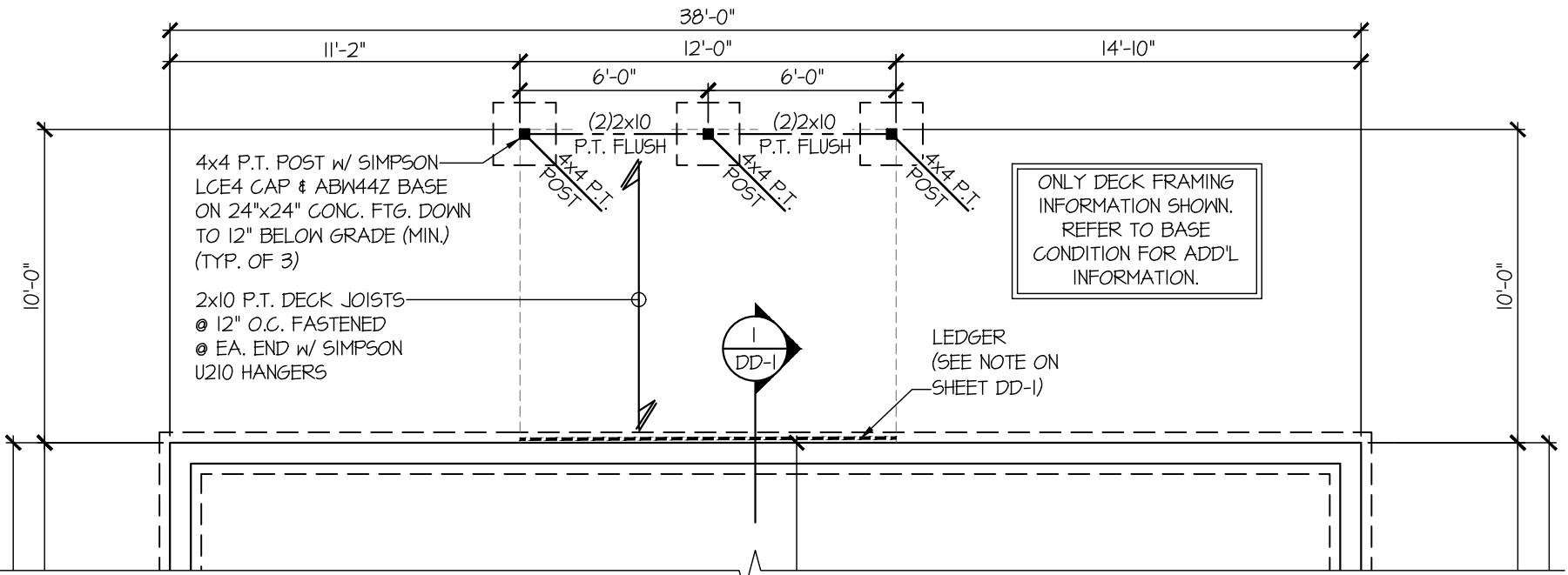
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2/9/24

ADD'L HARDWARE SCHEDULE FOR
OPT. WOOD DECK

QTY	PRODUCT
24	SIMPSON U210 HANGER
3	SIMPSON LCE4 POST CAP
3	SIMPSON ABW44Z POST BASE
4	SIMPSON H3 CLIP
2	SIMPSON BC52-2/4 POST BASE



**PARTIAL CRAWLSPACE FOUNDATION PLAN
OPT. WOOD DECK**
SCALE: 3/16"=1'-0" ALL ELEVS. SIM.

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

SO1.1

OPTION FRAMING PLANS

TELFAIR
COVERED PORCH
WIND SPEED < 115 MPH NORTH CAROLINA



DATE: 09-04-20

PROJECT NO: 192-17017

DRAWN BY: MDS

ISSUE DATE: 09-04-20

REVISIONS:

DATE: 09-04-20

BY: MDS

PROJECT NO: 192-17017

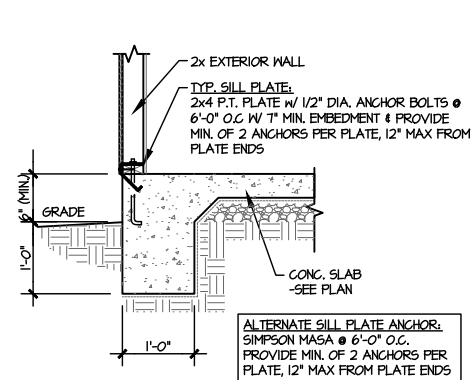
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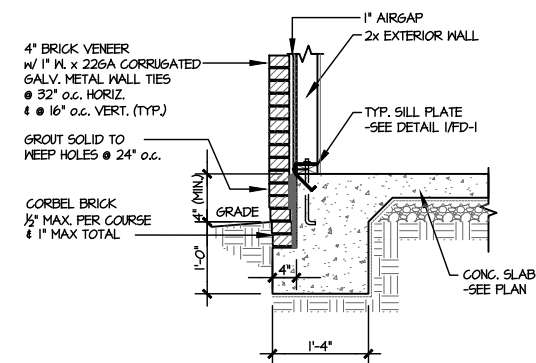
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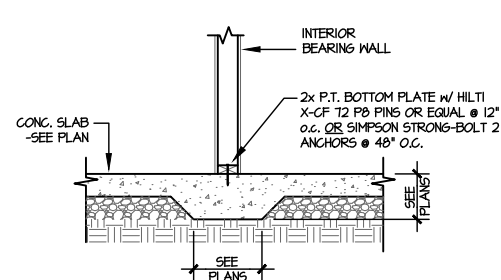
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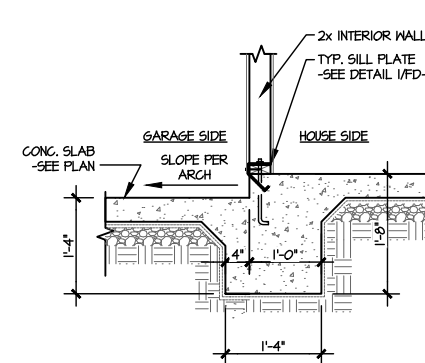
1 TYPICAL TURNDOWN @ EXT. WALL
SCALE: 3/8\"/>



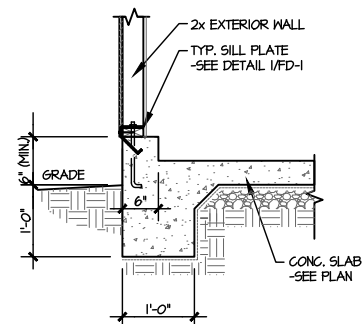
2 TYPICAL TURNDOWN @ EXT. WALL (BRICK)
SCALE: 3/8\"/>



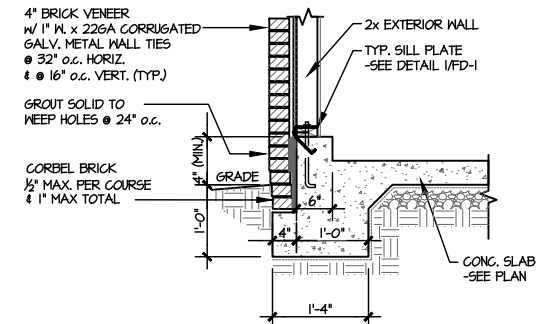
3 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
SCALE: 3/8\"/>



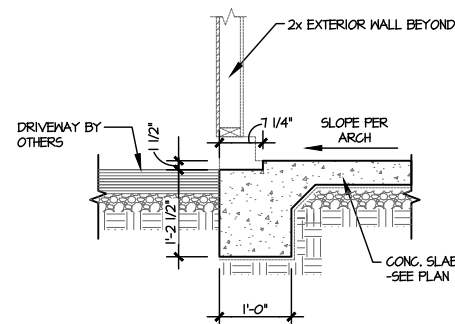
4 TYPICAL INT. FOOTING BETWEEN HOUSE & GARAGE
SCALE: 3/8\"/>



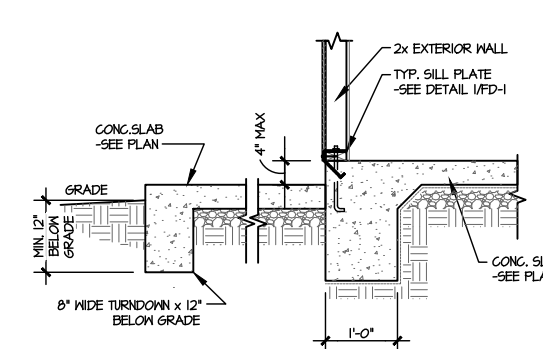
5 TYPICAL TURNDOWN @ EXT. GARAGE WALL
SCALE: 3/8\"/>



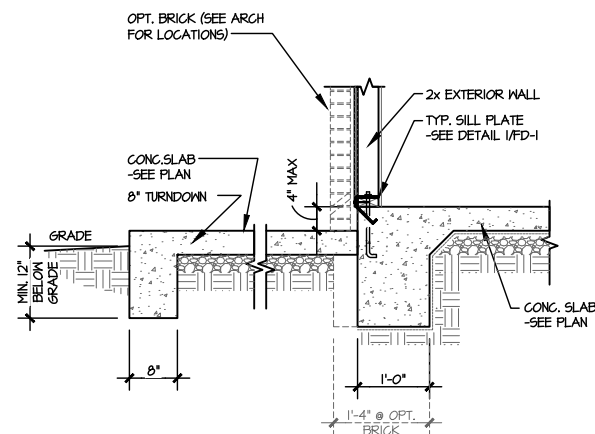
6 TYPICAL TURNDOWN @ EXT. GARAGE WALL (BRICK)
SCALE: 3/8\"/>



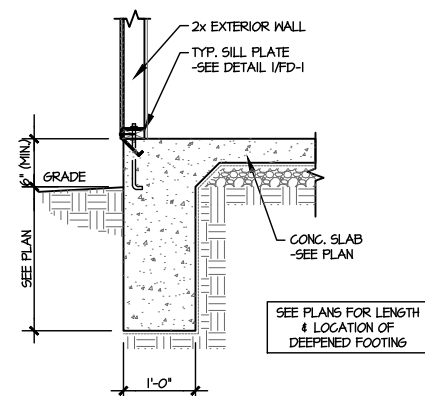
7 GARAGE OPENING
SCALE: 3/8\"/>



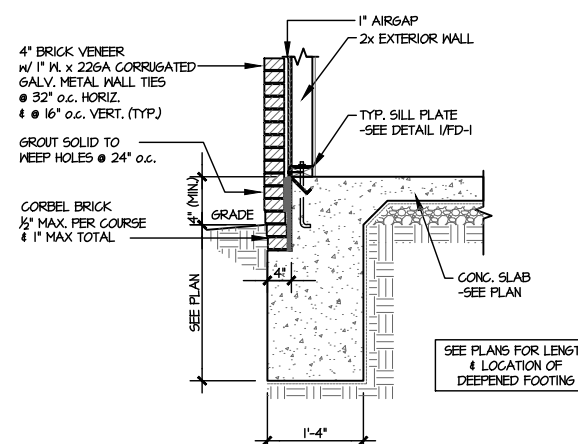
8 TYPICAL TURNDOWN @ PATIO/PORCH
SCALE: 3/8\"/>



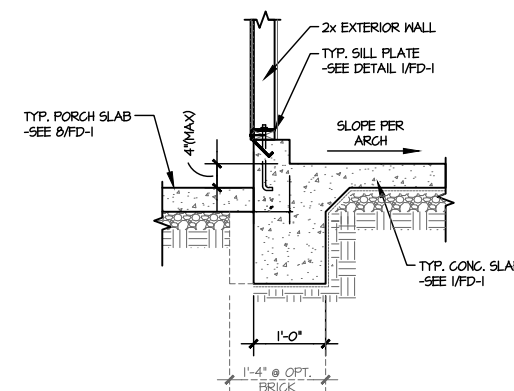
9 TYPICAL TURNDOWN @ PATIO/PORCH (BRICK)
SCALE: 3/8\"/>



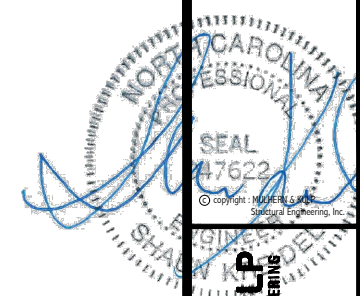
10 TYPICAL TURNDOWN W/ DEEPEMED FTGS. @ EXT. WALL
SCALE: 3/8\"/>



11 TYPICAL TURNDOWN @ EXT. WALL (BRICK)
SCALE: 3/8\"/>



12 TYPICAL TURNDOWN @ COVERED PORCH/ATTACHED GARAGE
SCALE: 3/8\"/>



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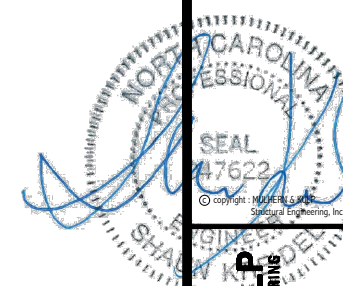
MS&K project number: 192-17012
project mgr: SMK
drawn by: MRG
issue date: 03-24-22

REVISIONS:
date: initial:

ARCH: v.02.01.00.00



FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA



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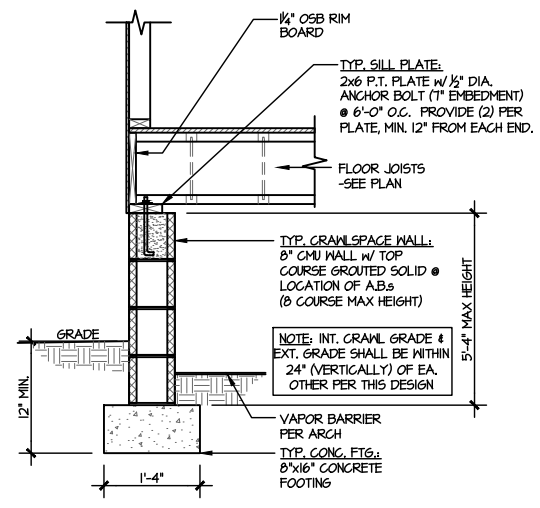
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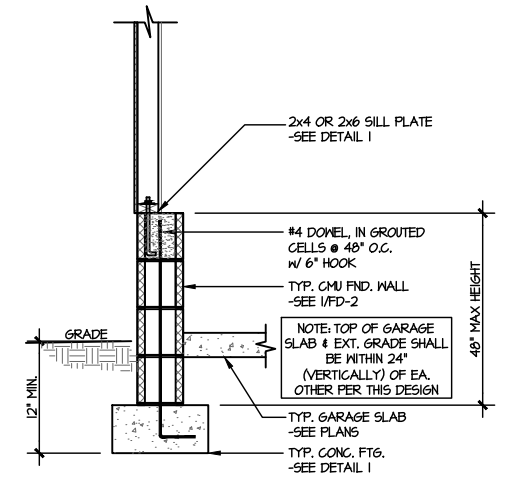
FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: **FD-2**

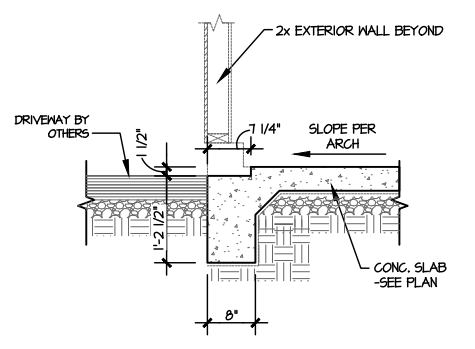


1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"

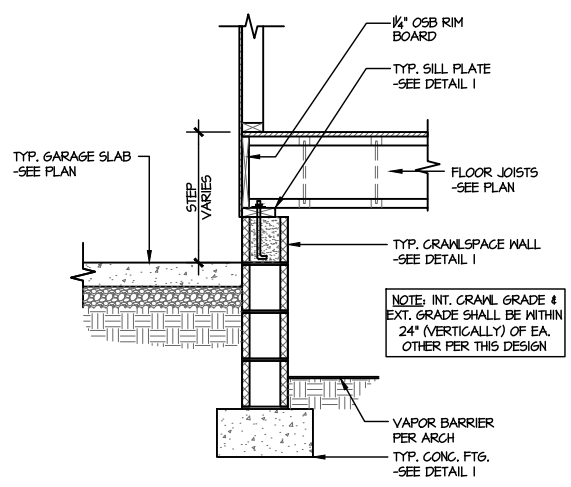
2 NOT USED
SCALE: 3/8"=1'-0"



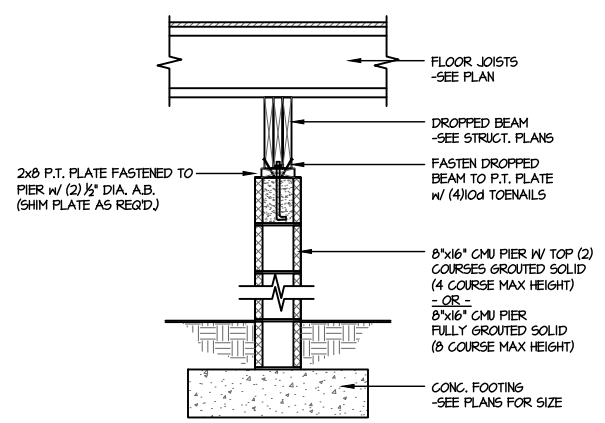
3 TYPICAL PERIMETER FOOTING @ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



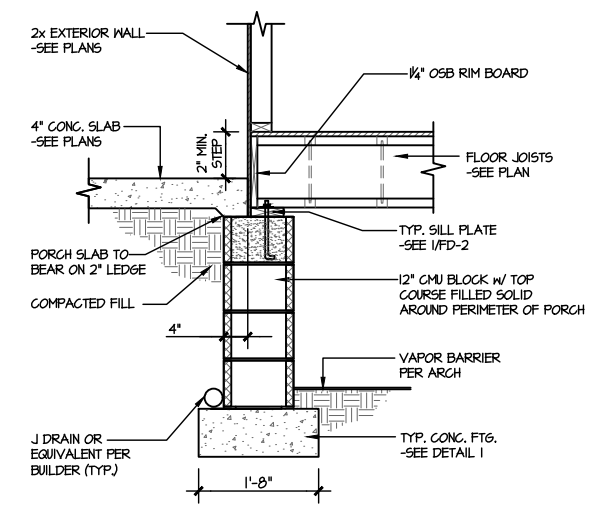
4 TYPICAL TURNDOWN FOOTING AT EXTERIOR GARAGE APRON
SCALE: 3/8"=1'-0"



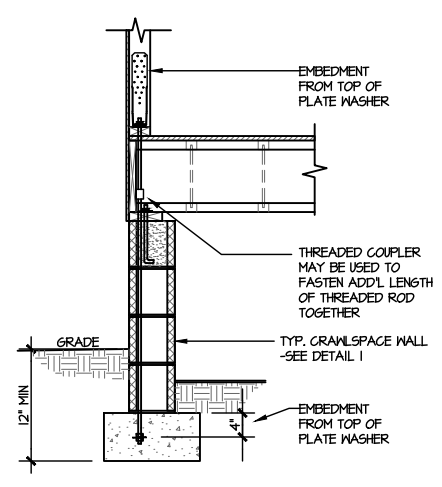
5 TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



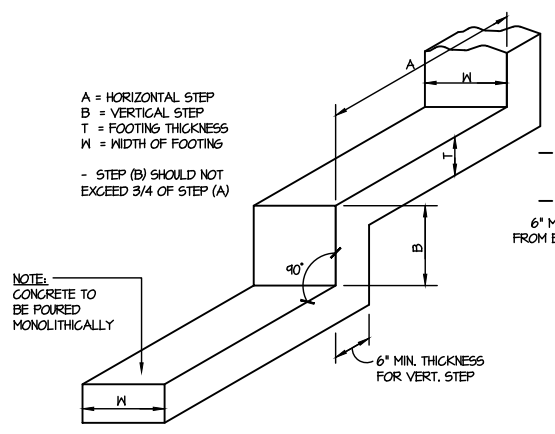
6 TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR PIER
SCALE: 3/8"=1'-0"



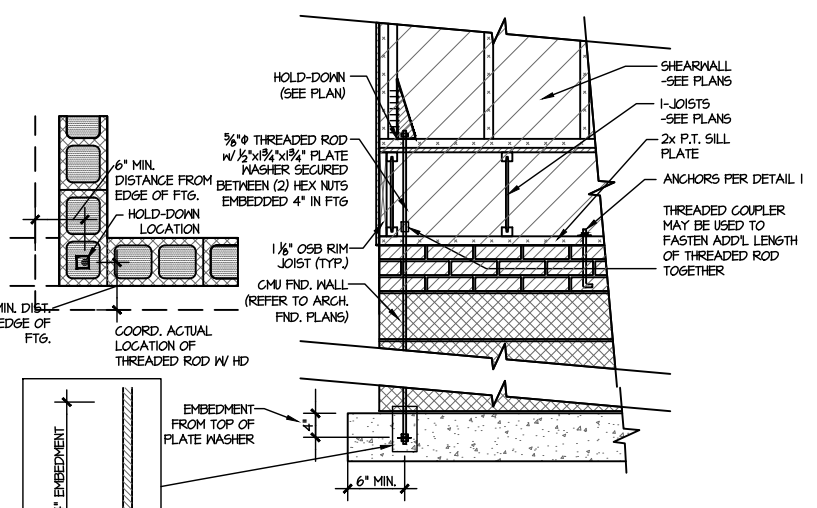
7 TYPICAL CRAWLSPACE FOUNDATION @ PORCH SLAB
SCALE: 3/8"=1'-0"



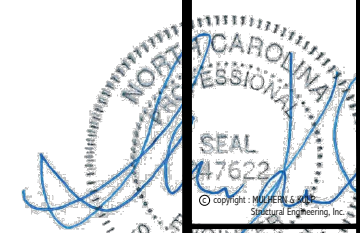
A TYPICAL CRAWLSPACE FOUNDATION HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"
w/ STONE VENEER OR SIDING



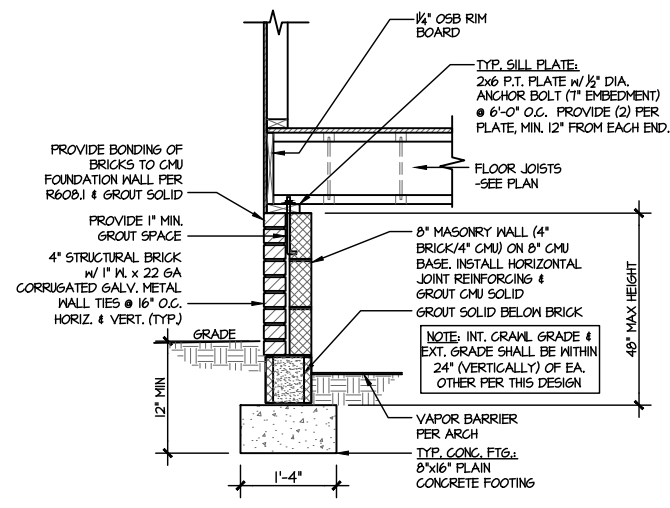
B TYPICAL STEPPED FOOTING DETAIL
SCALE: N.T.S.



C TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"
(CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)

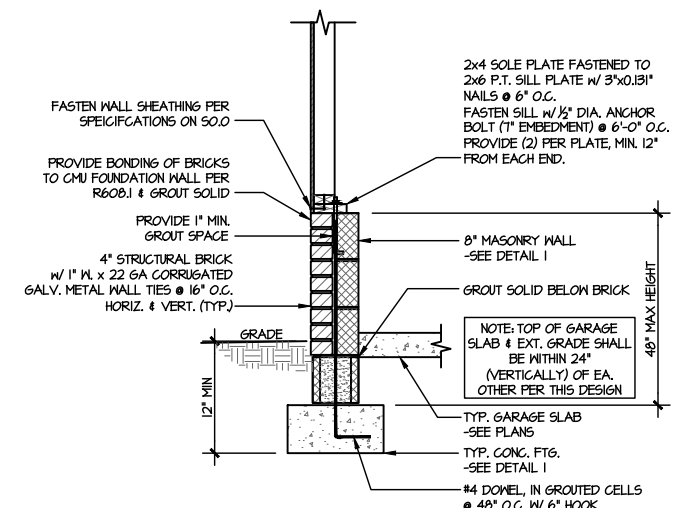


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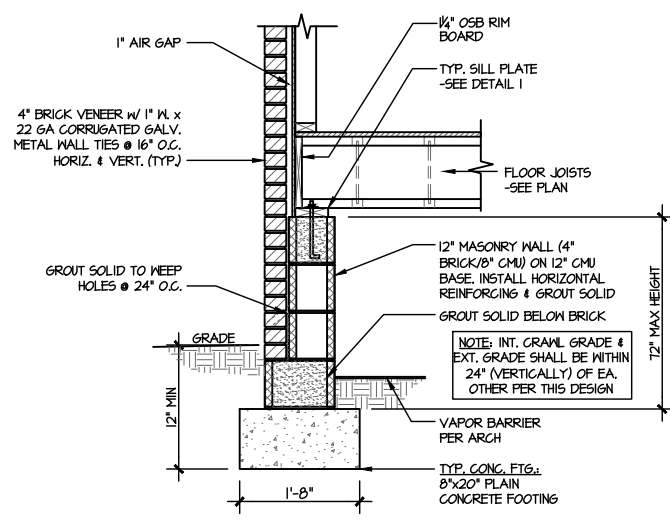
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SCALE: 3/8"=1'-0"
W/ BRICK WATERTABLE

2 NOT USED
SCALE: 3/8"=1'-0"



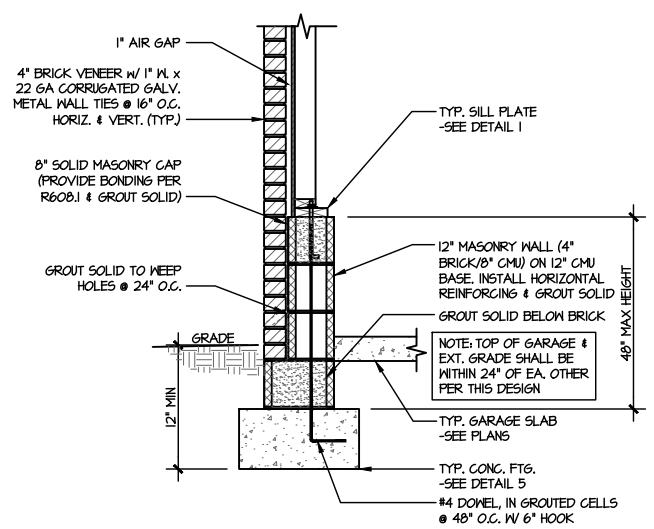
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W/ BRICK WATERTABLE

4 NOT USED
SCALE: 3/8"=1'-0"



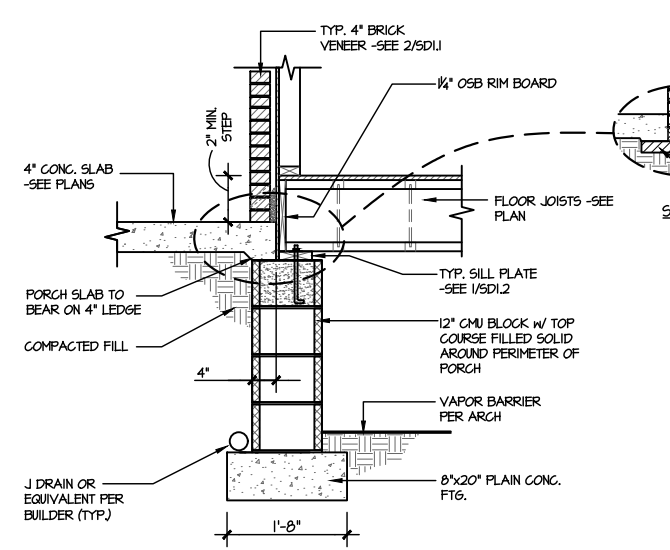
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SCALE: 3/8"=1'-0"
W/ FULL BRICK VENEER

6 NOT USED
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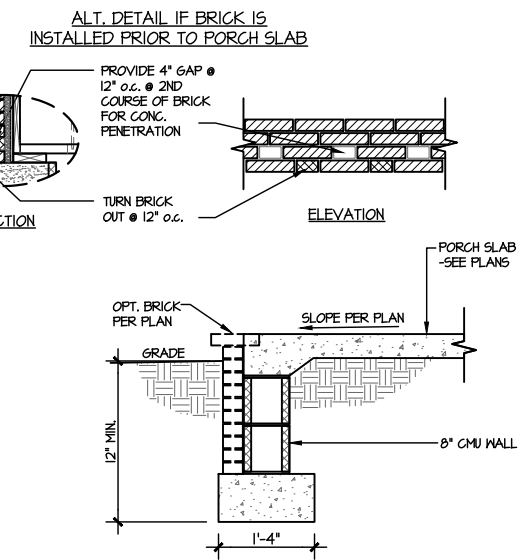


7 TYPICAL CRAWLSPACE FOUNDATION
@ EXTERIOR GARAGE WALL
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W/ FULL BRICK VENEER

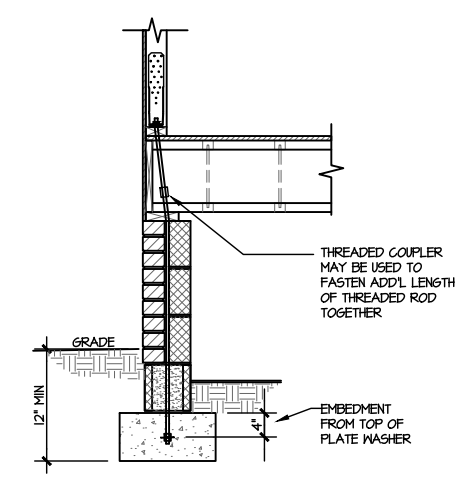
8 NOT USED
SCALE: 3/8"=1'-0"



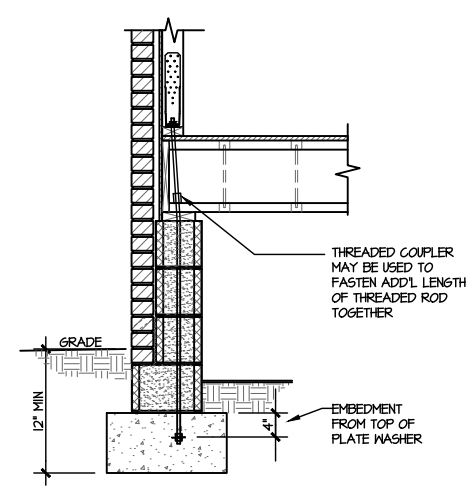
9 TYPICAL CRAWLSPACE FOUNDATION
@ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0"
W/ BRICK VENEER



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



D TYPICAL CRAWLSPACE FOUNDATION
HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"
W/ BRICK WATERTABLE

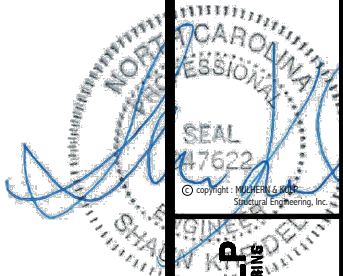


E TYPICAL CRAWLSPACE FOUNDATION
HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"
W/ FULL BRICK VENEER

M&K project number: 192-17012
project mgr: SMK
drawn by: MRG
issue date: 03-24-22
REVISIONS:
date: initial:



FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA



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919-255-9488
NC License # C-3825



M&K project number: 192-17012
project mgr: SMK
drawn by: MRG
issue date: 03-24-22

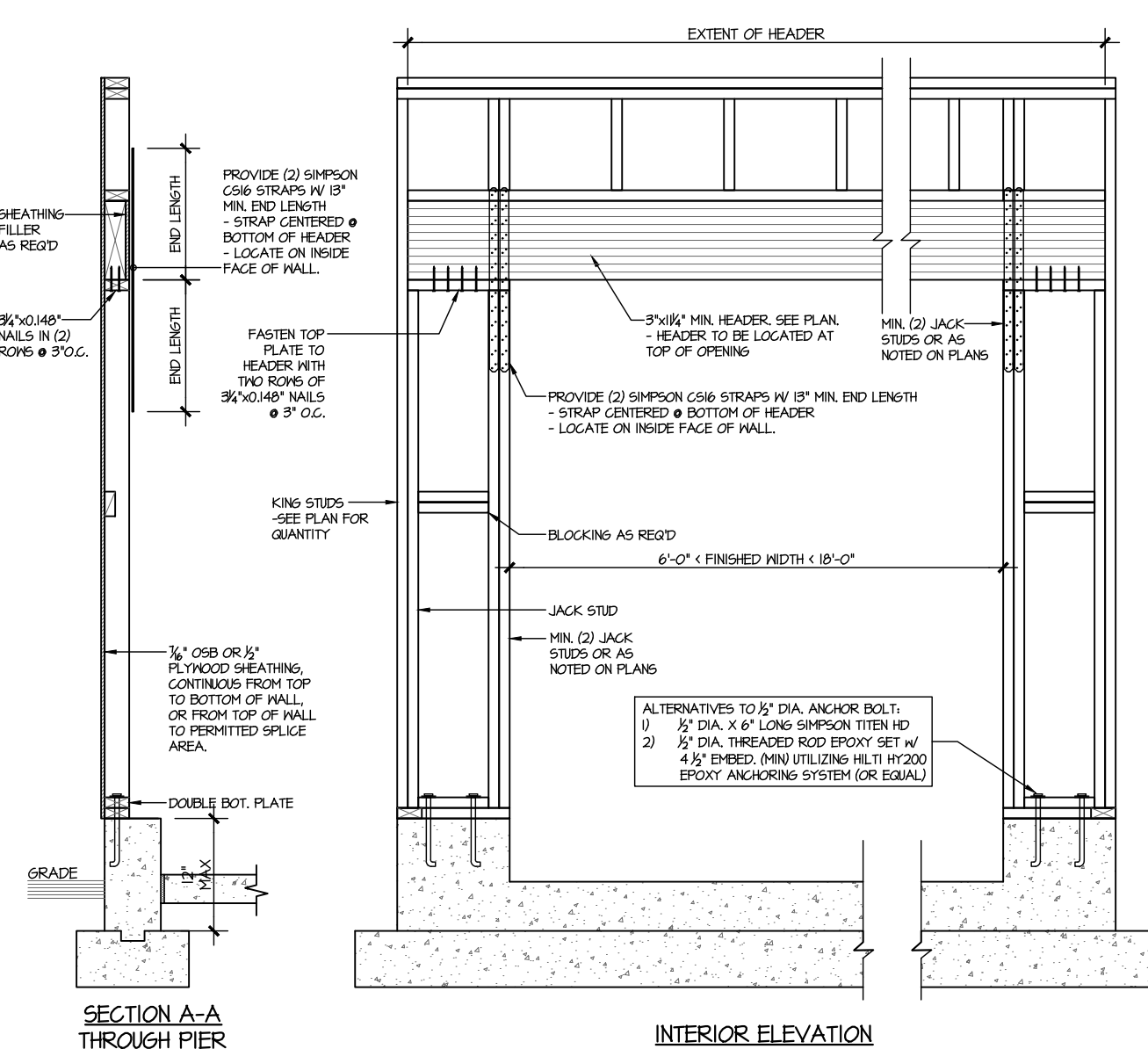
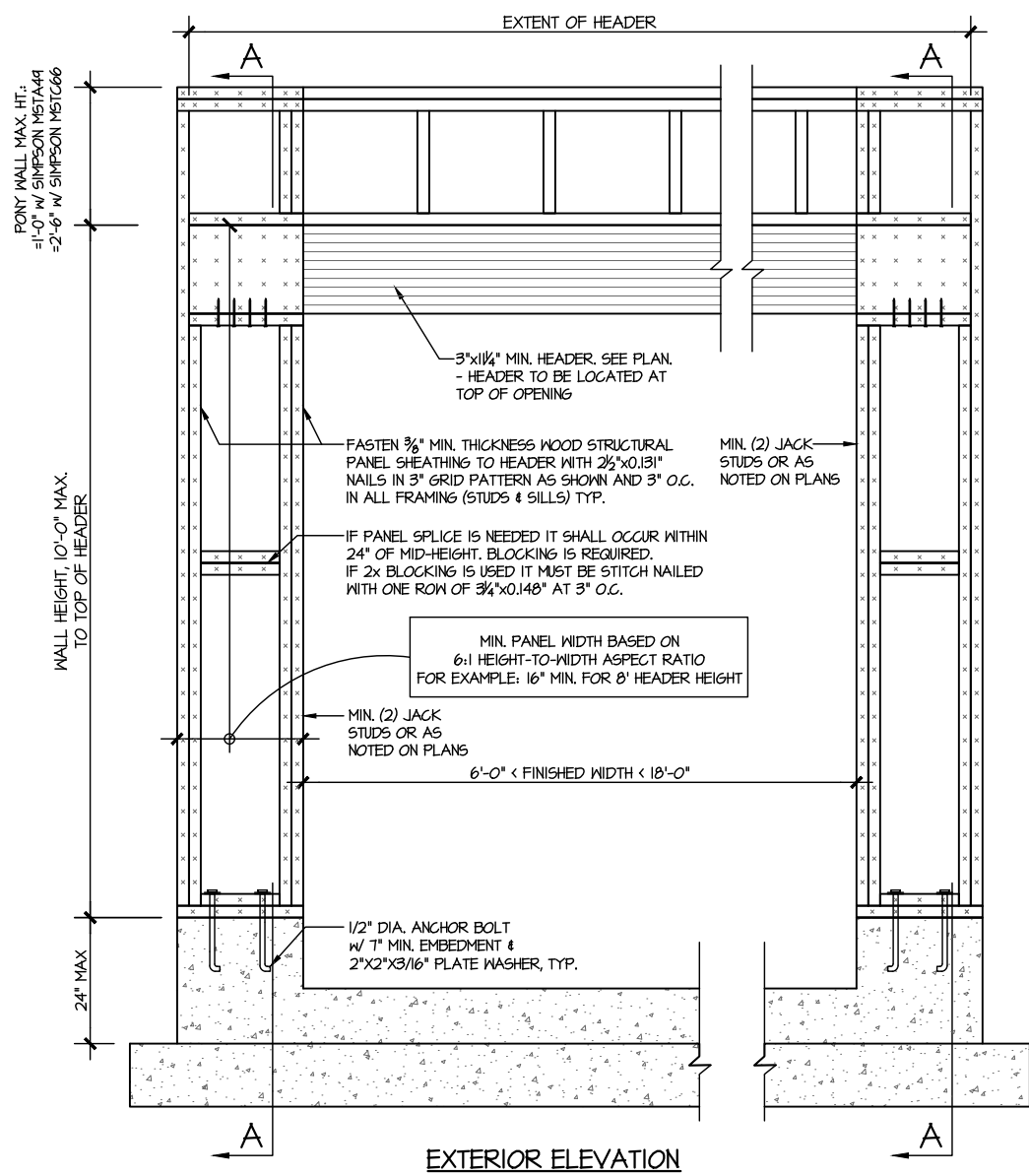
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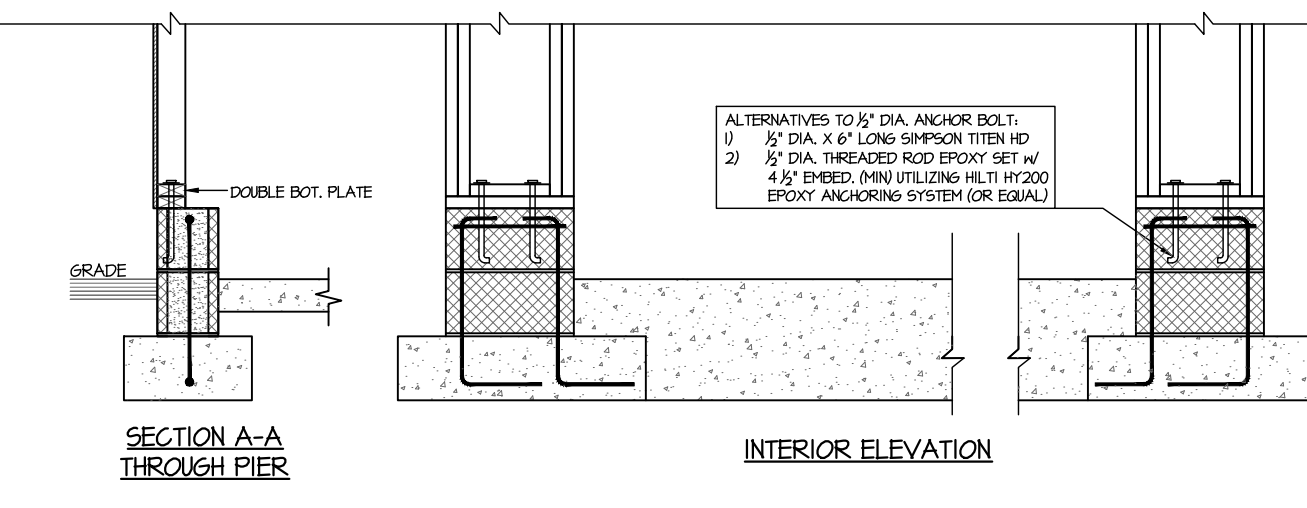
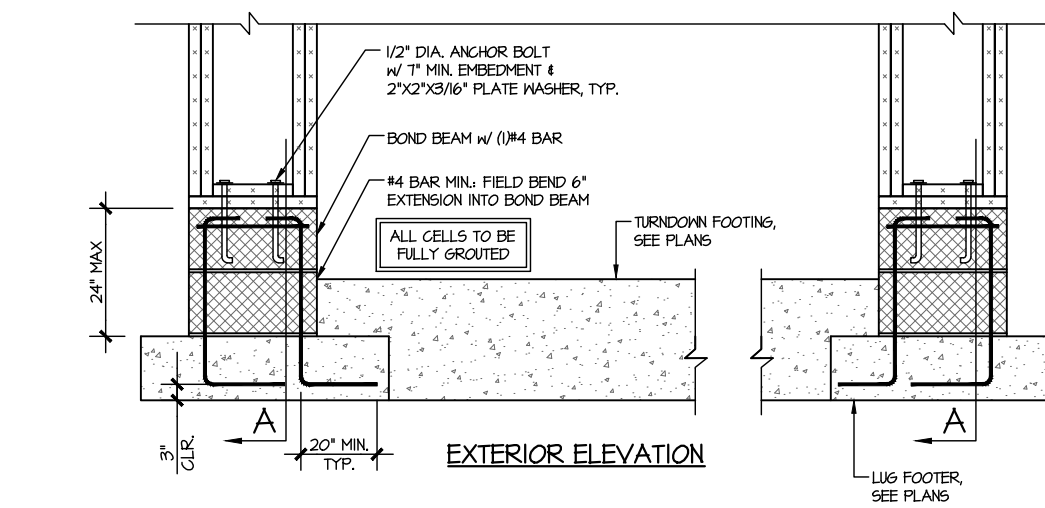
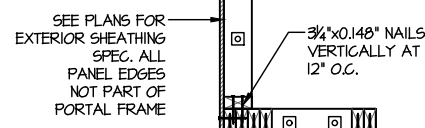


STRUCTURAL DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

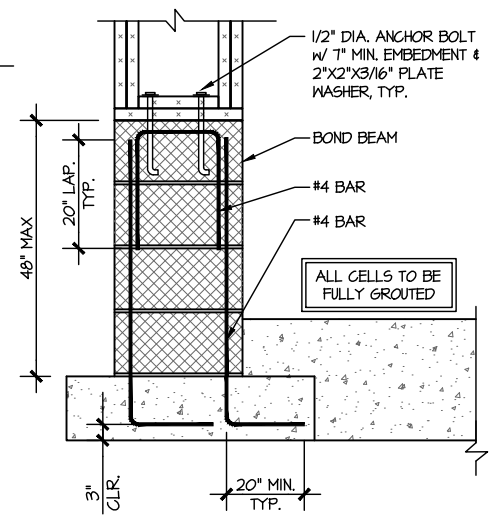
sheet: SW-3



WALL FRAMING SPECIFICATION:
• 2x4 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)
• 2x6 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)



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



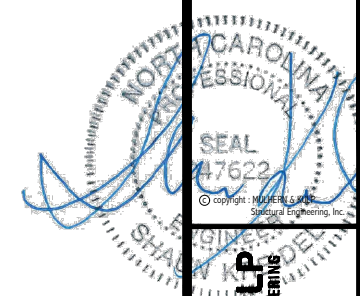
CRAWLSPACE FOUNDATION

PORTAL FRAME DETAIL
SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR
1 KING STUD & RETURN WALLS

LEDGER NOTE

- **LEDGER TO END TRUSSES:**
-FASTEN 2x LEDGER (MATCH D.J.) TO END TRUSS VERTICALS w/ (1) 1/2" DIA. THRU BOLT + (4) 2 1/2"x0.135" NAILS @ 16" O.C. PACK OUT END TRUSS AS REQ'D FOR LEDGER FASTENING.
- **LEDGER TO RIMBOARD/BLOCKING:**
-FASTEN 2x LEDGER (MATCH D.J.) TO RIMBOARD/BLOCKING w/ (1) 1/2" DIA. THRU BOLT + (4) 2 1/2"x0.135" NAILS @ 16" O.C.
- **PROVIDE (2) BOLTS IN END (2) JOIST BAYS @ EACH END OF DECK**
- **INSTALL (1) SIMPSON HB CLIP ON LAST (2) DECK JOISTS @ EACH END OF DECK, CONNECTING SIDE OF JOIST TO TOP OF LEDGER (IRC R502.2.2)**
- **ALT. LEDGER SPEC:**
FASTEN 2x10 LEDGER TO RIMBOARD w/ (2) 1/4" DIA. x 3 1/2" LONG SIMPSON S05 SCREWS @ 16" O.C.
- **NOT APPLICABLE AT BRICK CONDITIONS**



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M&K project number: 192-17012
project mgr: SMK
drawn by: MRG
issue date: 03-24-22

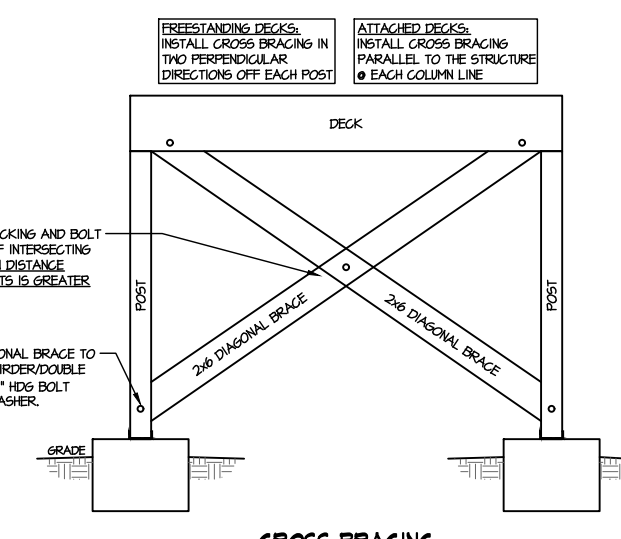
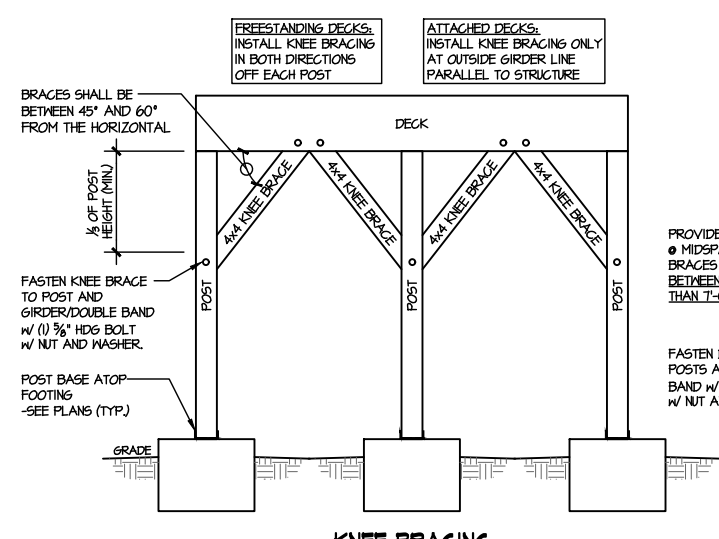
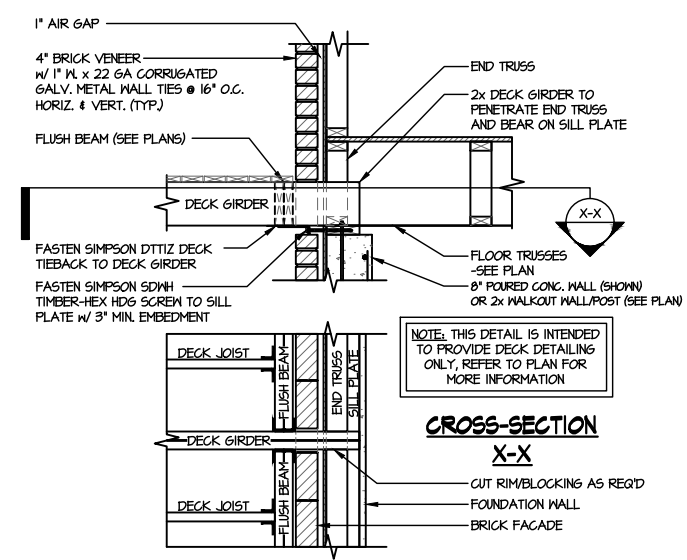
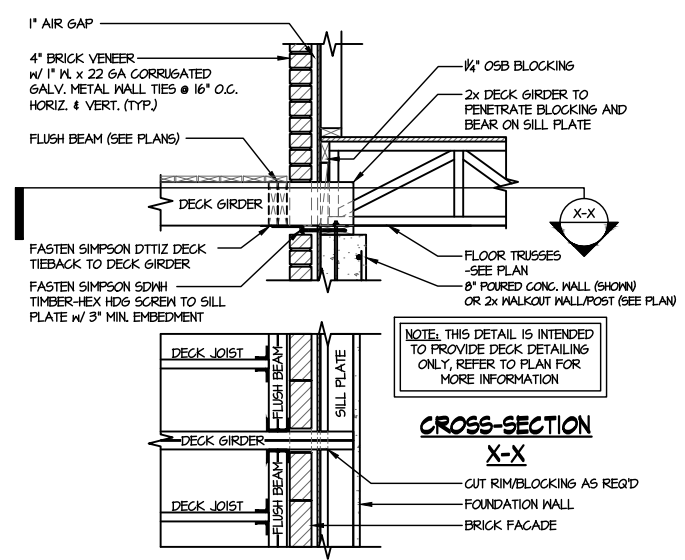
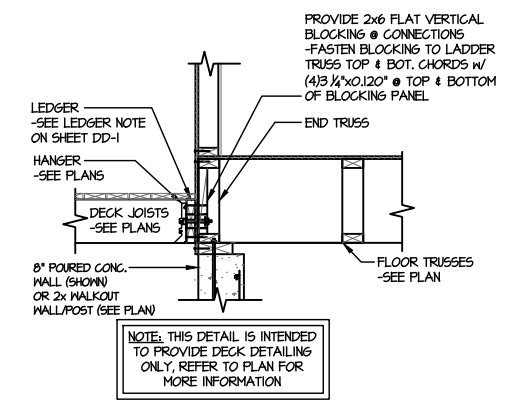
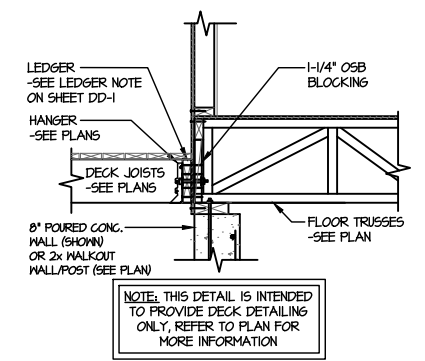
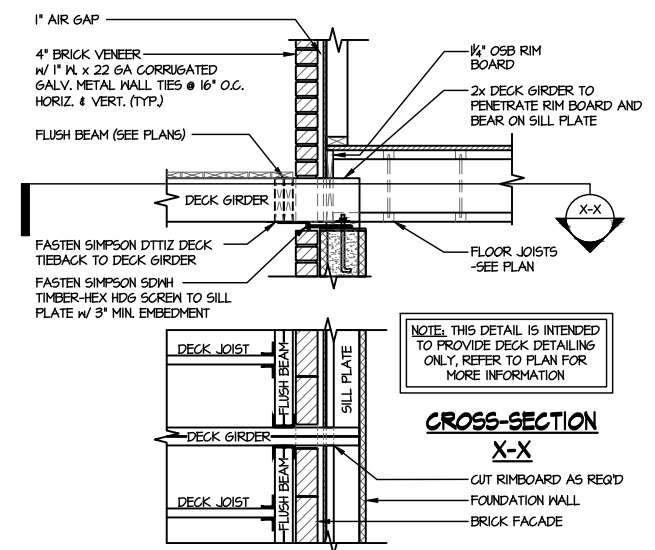
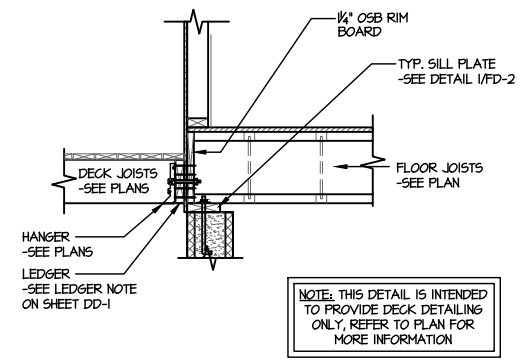
REVISIONS:
date: initial:

ARCH: v.02.01.00.00

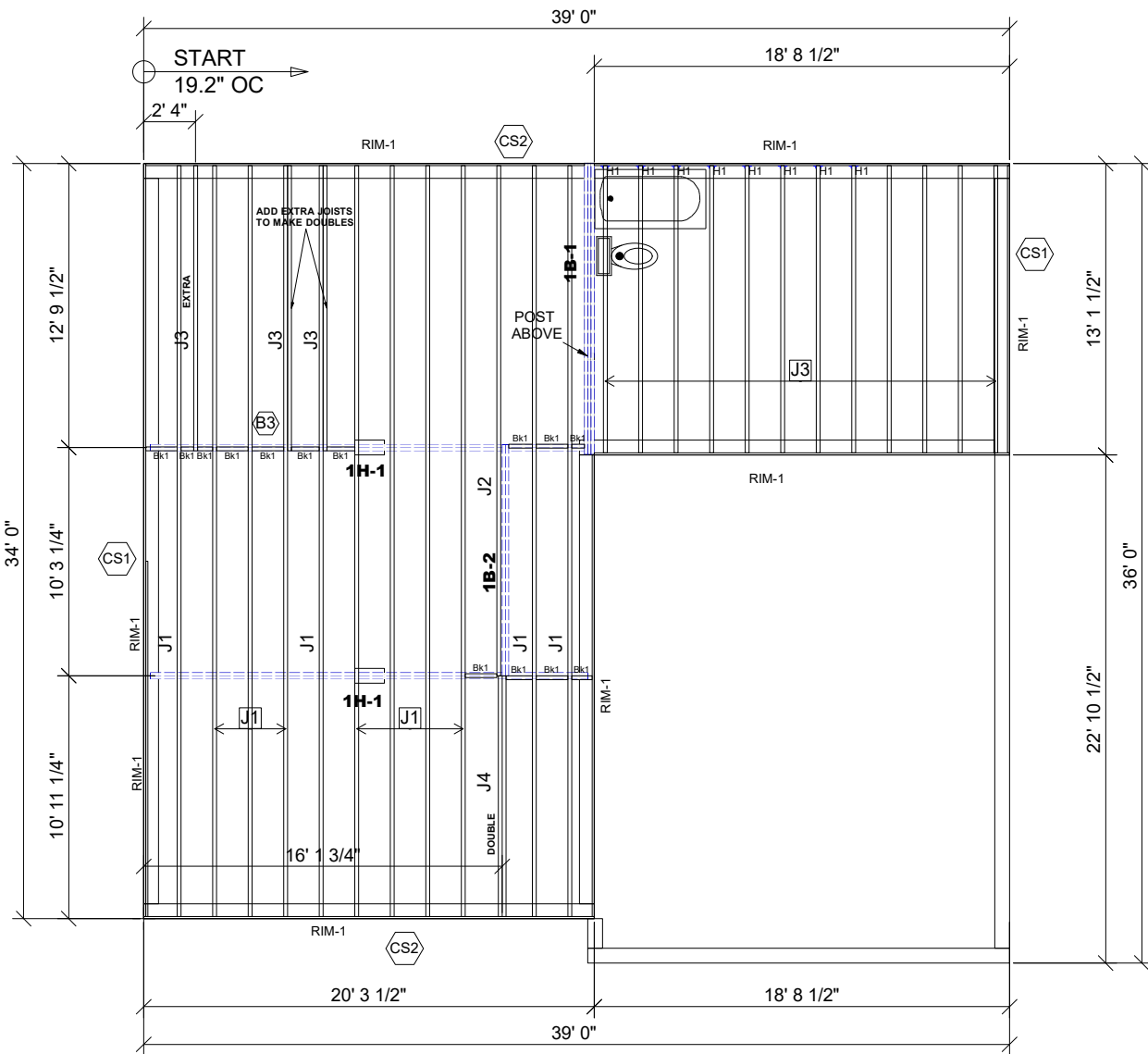


FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: DD-1



THIS IS AN ENGINEERED WOOD PRODUCT (EWP) MEMBER PLACEMENT DIAGRAM ONLY; NOT AN ENGINEERED DOCUMENT. EWP members are designed as individual building components to be incorporated into the building design at the specification of the building designer. The Contractor is responsible for the temporary bracing of the floor system, and the building designer is responsible for the permanent bracing and blocking of the floor system and the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. It is the responsibility of the General Contractor to verify that the provided layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" EWP MEMBERS IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framing is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not joist to joist are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not joist to joist as they apply to this specific structure.



Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	34' 0"	11 7/8" TJI@ 210	1	11	MFD
J2	23' 0"	11 7/8" TJI@ 210	1	1	MFD
J3	13' 0"	11 7/8" TJI@ 210	1	15	MFD
J4	11' 0"	11 7/8" TJI@ 210	2	2	MFD
1H-1	20' 0"	1 3/4" x 9 1/4" 2.0E Microllam@ LVL	2	4	MFD
1B-1	14' 0"	1 3/4" x 11 7/8" 2.0E Microllam@ LVL	3	3	MFD
1B-2	11' 0"	1 3/4" x 11 7/8" 2.0E Microllam@ LVL	2	2	MFD
RIM-1	16' 0"	1 1/8" x 11 7/8" TJI@ Rim Board	1	11	FF
Bk1	2' 0"	11 7/8" TJI@ 210	1	14	MFD

Connector Summary		
PlotID	Qty	Manuf Product
H1	8	Simpson IUS2.06/11.88

• Avoid Plumbing Drops

FIELD LOCATE PLUMBING DROPS/CAN LIGHTS, ETC... PRIOR TO JOIST SECUREMENT TO AVOID INTERFERENCE.

LAYOUT FOR 19.2" O/C

1= 19-3/16"	9= 172-13/16"
2= 38-3/8"	10= 192"
3=57-5/8"	11= 211-3/16"
4= 76-13/16"	12= 230-3/8"
5= 96"	13= 249-13/16"
6= 115-3/16"	14= 268-13/16"
7= 134-3/8"	15= 288"
8= 153-5/8"	

GENERAL NOTES:

- 1.) TOP CHORD OF JOISTS ARE PAINTED RED AT NUMBERED END. PLACE PAINTED END AS NOTED ON PLAN.
- 2.) FOLLOW SPECIAL SPACING AND LOCATION DIMENSIONS FOR EXTRAS OR SHIFTED JOISTS AS SHOWN ON PLAN.
- 3.) ALL INTERIOR WALL PLATES MUST BE LEVEL WITH OUTSIDE WALL TOP PLATES.
- 4.) DO NOT STACK CONSTRUCTION LOADS ON UN-BRACED JOISTS.
- 5.) PROVIDE SOLID SUPPORT BELOW ALL BEAM AND HEADER BEARING POINTS IN WALL AND JOIST SPACES CONTINUOUS DOWN TO THE FOUNDATION.
- 6.) LOCATE CRIPPLE STUDS IN JOIST SPACE DIRECTLY BELOW HEADER JACKS AT ALL FIRST FLOOR EXTERIOR DOOR LOCATIONS.
- 7.) INSTALL NAILS IN ALL HOLES PROVIDED IN JOIST HANGERS EXCEPT AT BOTTOM CHORD SEAT. PLACE A DAB OF GLUE IN THE HANGER SEAT BEFORE SETTING JOISTS.
- 8.) IMPORTANT NOTE! NO STRUCTURAL ANALYSIS OF CONVENTIONAL HEADERS HAS BEEN CONDUCTED IF NOT NOTED. THEY ARE CONSIDERED TO BE ADEQUATE TO SUPPORT THE APPLIED LOADS.

PLAN LEGEND

- 1B-, 2B-** *INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)
 - H-, 1H-, GDH-** INDICATES BEAM BELOW TOP PLATE (CORROD BELOW FLOOR SYSTEM)
- *BEAMS MAY PROTRUDE ABOVE OR BELOW DECKING OR TOP PLATE RESPECTIVELY. REFER TO DETAIL IF BEAM IS A DIFFERENT DEPTH THAN FLOOR SYSTEM
- SINGLE PLY BEAM** (SINGLE LINE FOR EACH ADDITIONAL PLY)
 - SHIFT** SHIFT JOIST TO MISS PLUMBING, ALIGN WITH WALL OR SUPPORT FURNITURE
 - EXTRA** A JOIST ADDED TO THE LAYOUT IN ADDITION TO THE ON CENTER JOISTS
 - DOUBLE** TWO JOISTS SIDE BY SIDE (ONLY ASSEMBLED IF NOTED)
- ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED**

FRAMER NOTE

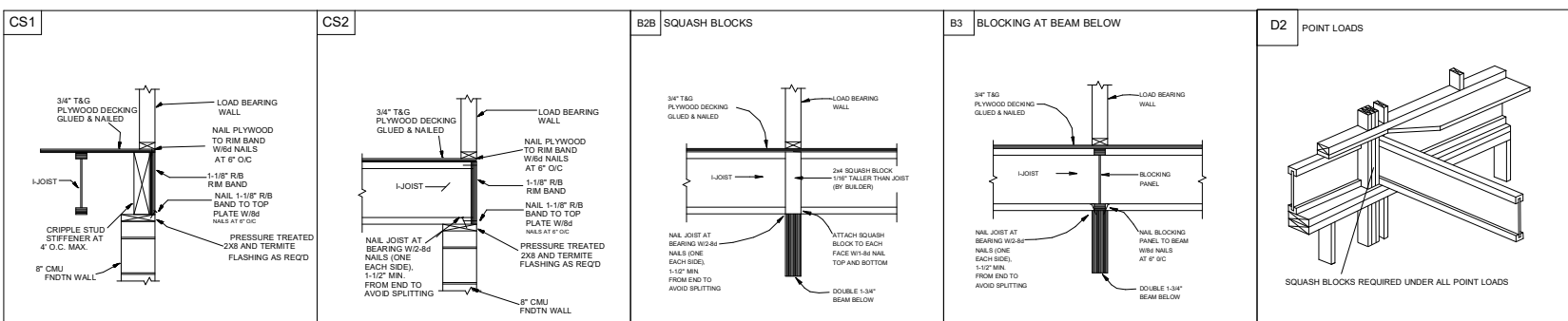
1. GLUE AND NAIL PLYWOOD SUBFLOOR TO BEAMS AND GIRDERS AT 6" O/C WHERE NO WALL IS ABOVE.
2. FILL HANGER SEAT WITH GLUE BEFORE SETTING JOIST IN HANGER. FILL ROUND HOLES WITH NAILS.

CRITICAL !!

INSTALL 2X4 SQUASH BLOCKS IN FLOOR TRUSS SPACE BELOW ALL EXTERIOR DOOR HEADER JACKS. CUT 1/16" TALLER THAN TRUSS.

FIELD VERIFY DIMENSIONS TO JOISTS LOCATED UNDER WALLS!!

1ST FLOOR LAYOUT



FLOOR PLACEMENT PLAN

SCALE: 1/8"=1'

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A UFP INDUSTRIES COMPANY

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MUNGO HOMES OF NC

LANGDON PRESERVE

MCDOWELL

LOT 1

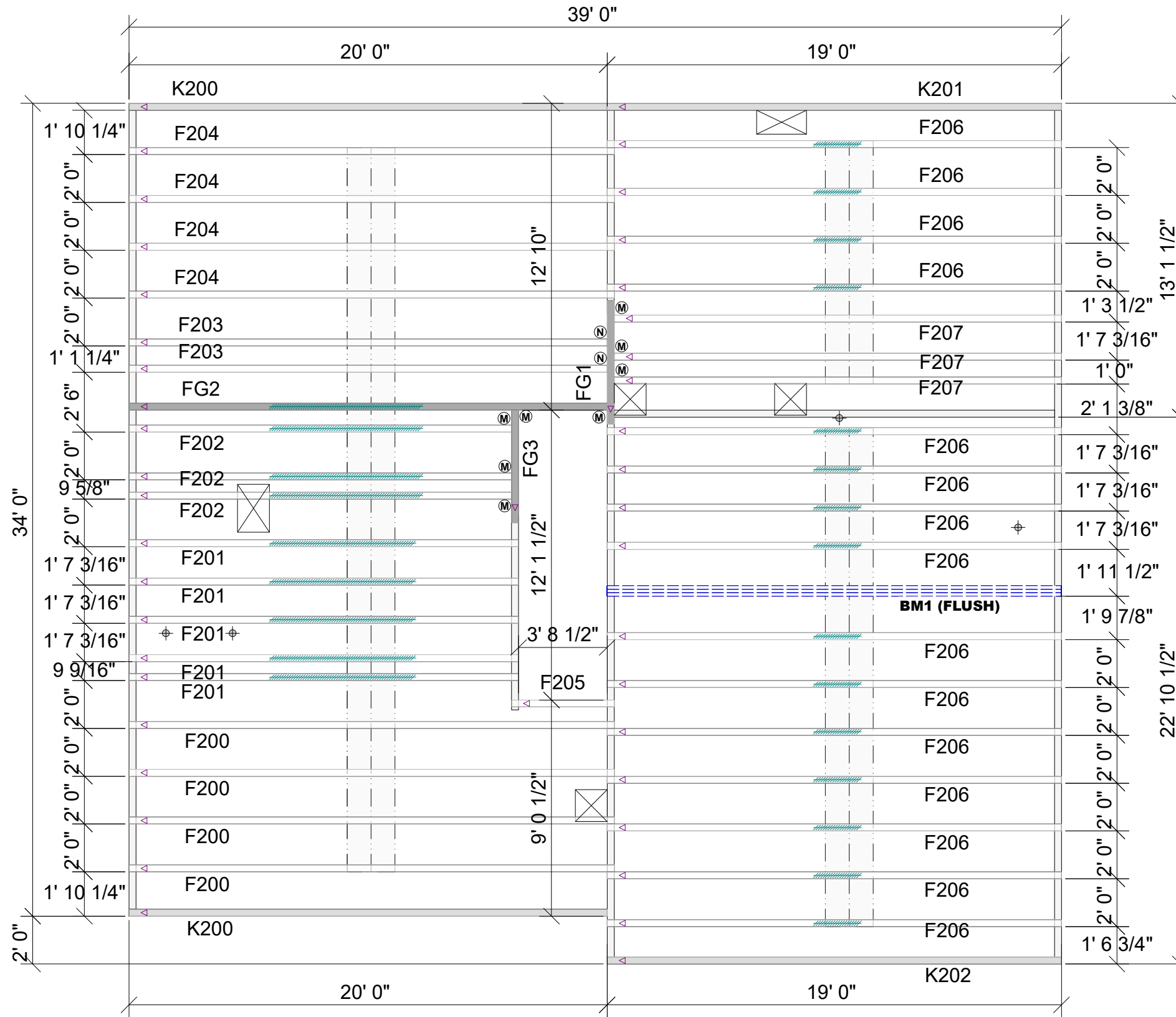
ANGIER, NC

REVISIONS	DATE	DESCRIPTION	DSN

DESIGNER GB1
LAYOUT DATE 11/22/24
ARCH DATE 9/6/24
STRUC DATE 2/19/24
JOB #: 24111383F1

THIS IS A TRUSS PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The Contractor is responsible for the permanent restraint/bracing of truss systems may be met by following the methods outlined in ANSI-TPI 1-2014 - 2.3.3. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcassociation.com). It is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" MANUFACTURED TRUSSES IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framing is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. Truss-to-wall connections, if shown, are for uplift only and do not consider lateral loads. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not truss-to-truss are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not truss-to-truss as they apply to this specific structure.

2ND FLOOR PLACEMENT PLAN



Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM1 (FLUSH)	19' 0"	1 3/4" x 14" 2.0E Microllam® LVL	3	3	MFD

Floor Hanger List		
MARK	TYPE	QTY
(M)	THA422	8
(N)	THAC422	2

△ INDICATES LEFT END OF TRUSS SCALE: N.T.S

ROOF AREA: 0 ft ² sqft	RIDGE LINE: 0 ft	VALLEY LINES: 0 ft	HIP LINES: 0 ft	THESE VALUES ARE APPROXIMATE ONLY
MCDOWELL D 2ND FLR		MUNGO HOMES		
<p>TRUSS TRAX UFP CONSTRUCTION</p> <p>UFP SITE BUILT</p> <p>A UFP INDUSTRIES COMPANY</p>				
<p>Burlington, NC Locust, NC Chesapeake, VA Liberty, NC Clinton, NC Ooltewah, TN Conway, SC Pearisburg, VA Jefferson, GA Stanfield, NC</p> <p>Customer Service (800) 476-9356</p>				

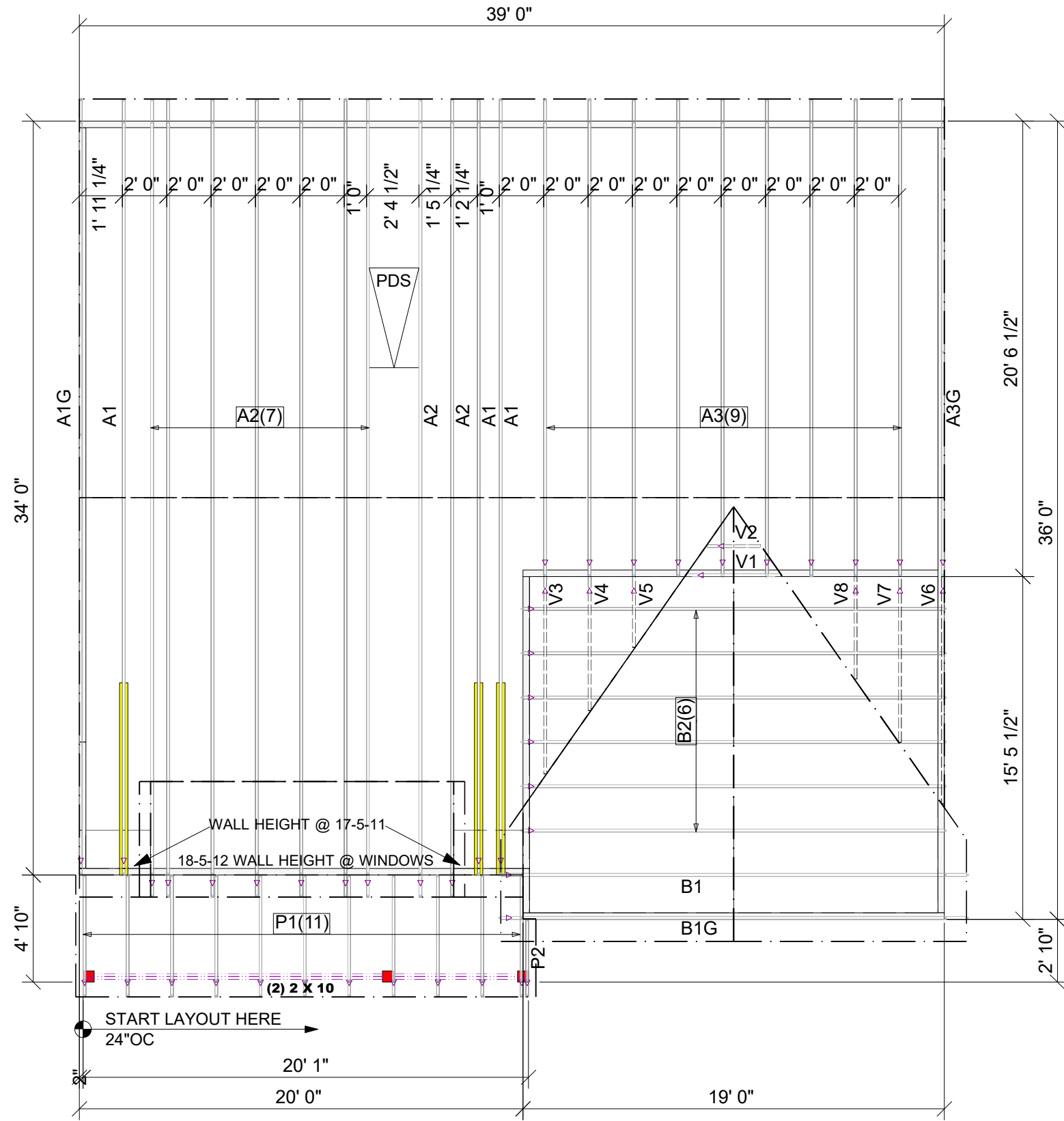
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REVISIONS		DSN
DATE	DESCRIPTION	

DESIGNER LJP
 LAYOUT DATE 11/20/2024
 ARCH DATE -
 STRUC DATE -
 JOB #: 24111383F2

THIS IS A TRUSS PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The Contractor is responsible for the temporary bracing of the roof and floor system, and requirements for the permanent restraint/bracing of truss systems may be met by following the methods outlined in ANSI-TPI 1-2014 - 2.3.3. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcassociation.com). It is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" MANUFACTURED TRUSSES IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framing is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. Truss-to-wall connections, if shown, are for uplift only and do not consider lateral loads. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not truss-to-truss are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not truss-to-truss as they apply to this specific structure.

ROOF PLACEMENT PLAN



****NOTE****
 (4) LUS26 HANGERS TO BE USED @ PDS HEADERS (NOT SHOWN)
 ADD 2X4 BLOCKING IN FIELD FOR ROOF SHEATHING AND DRYWALL
 @ PULL DOWN STAIR AREA AS NEEDED
 FRAME OVERHANGS @ A1 & A1G TRUSSES AS REQUIRED BY OTHERS
 DUE TO BEING TAIL BEARING

△ INDICATES LEFT END OF TRUSS SCALE: N.T.S

ROOF AREA: 1810.06 ft ² sqft	RIDGE LINE: 58.61 ft	VALLEY LINES: 40.59 ft	HIP LINES: 0 ft	THESE VALUES ARE APPROXIMATE ONLY																																	
MCDOWELL DR		MUNGO HOMES																																			
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