

B Square Footages:

1st Floor	935
2nd Floor	1301
Garage	410
Front Porch	81
Covered Deck Option	120
3rd Car Garage Option	200

2236

7 LDP

**McDowell B**  
 Genesis Series  
 V.05.02.00.00

GARAGE LEFT



**FRONT ELEVATION**

3/16" = 1'-0"

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

**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.

Features:

Rev By: cja  
 am SH EB

Drawn By: ATW  
 Date: 9/6/2024

**A1**



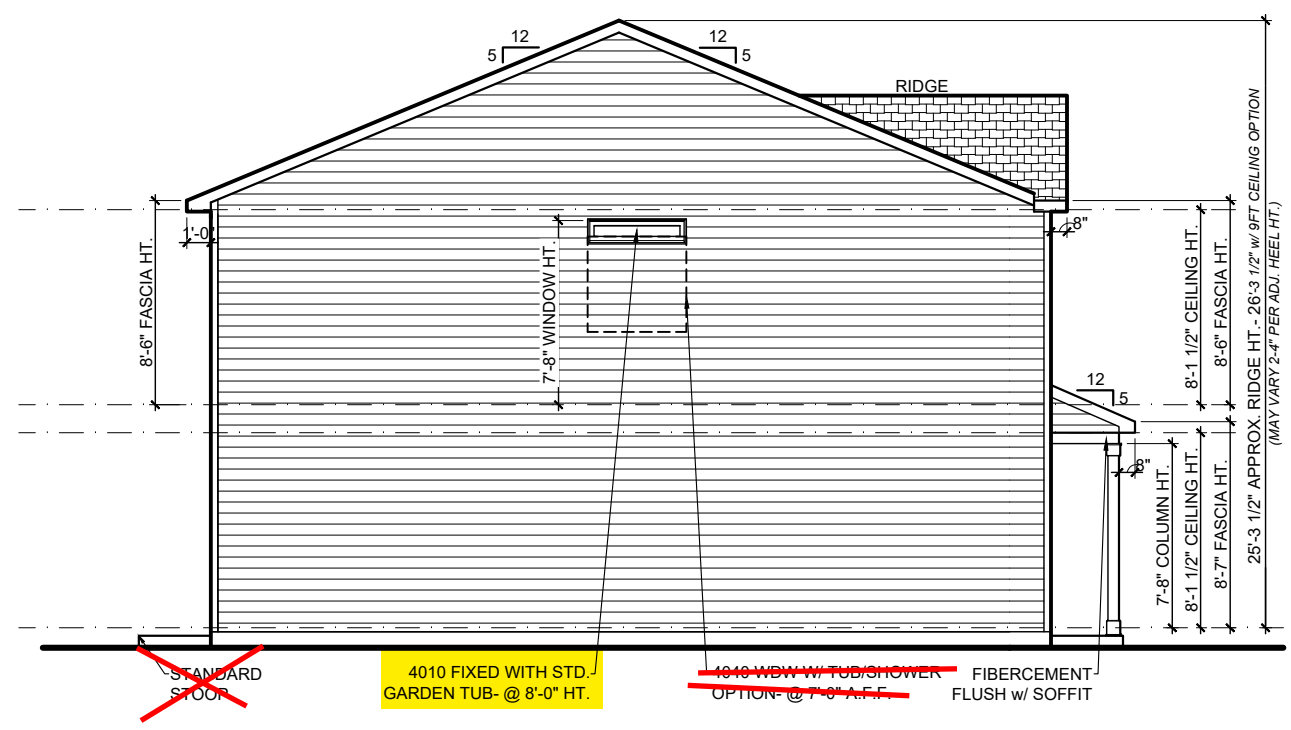
B Square Footages:

1st Floor	935
2nd Floor	1301
Garage	410
Front Porch	81
Covered Porch Option	120
3rd Car Garage Option	220

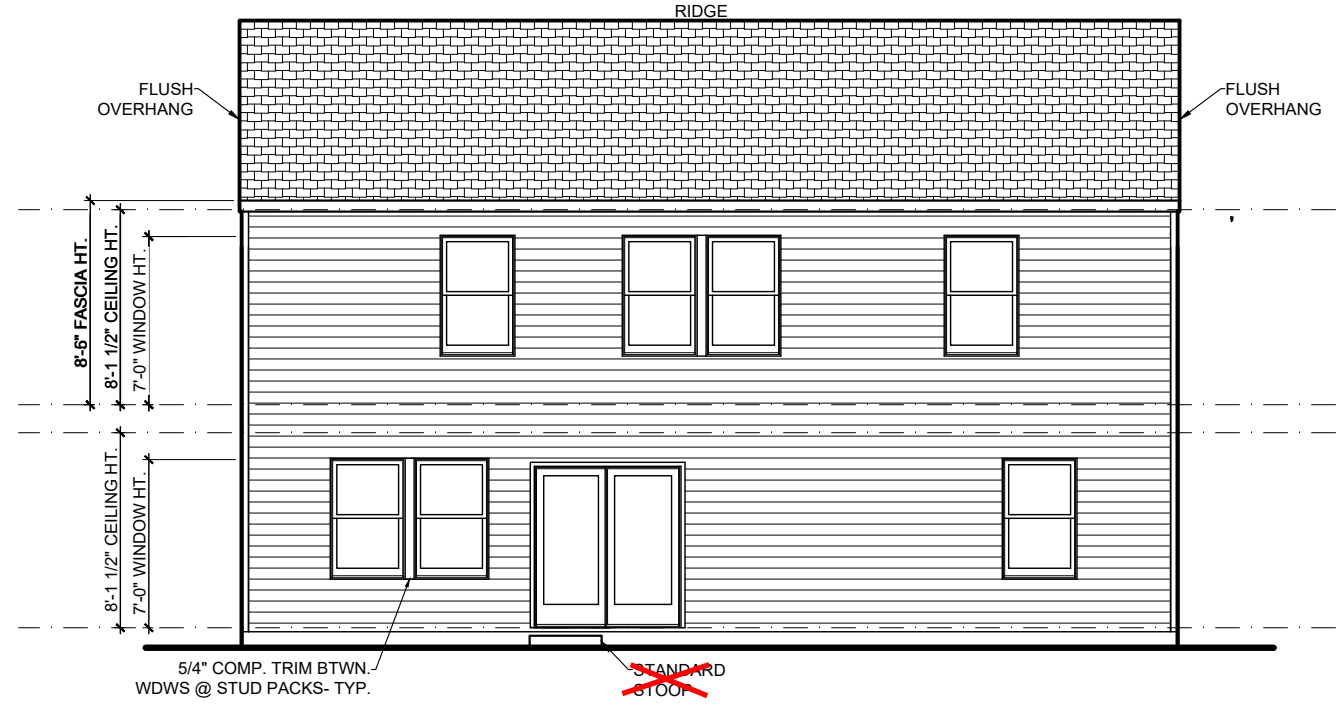
**McDowell B**  
Genesis Series  
v.05.02.00.00  
GARAGE LEFT

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

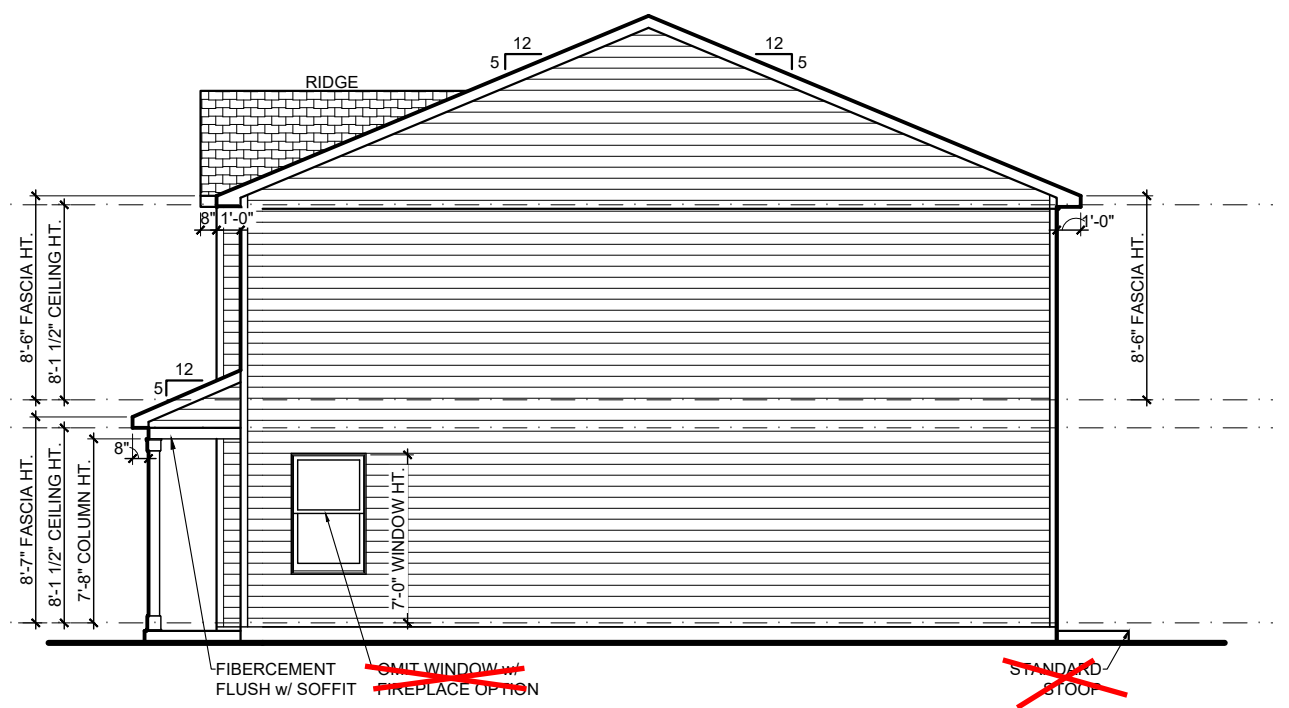
**A2**



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



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



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

**9FT CEILING OPTION NOTES:**

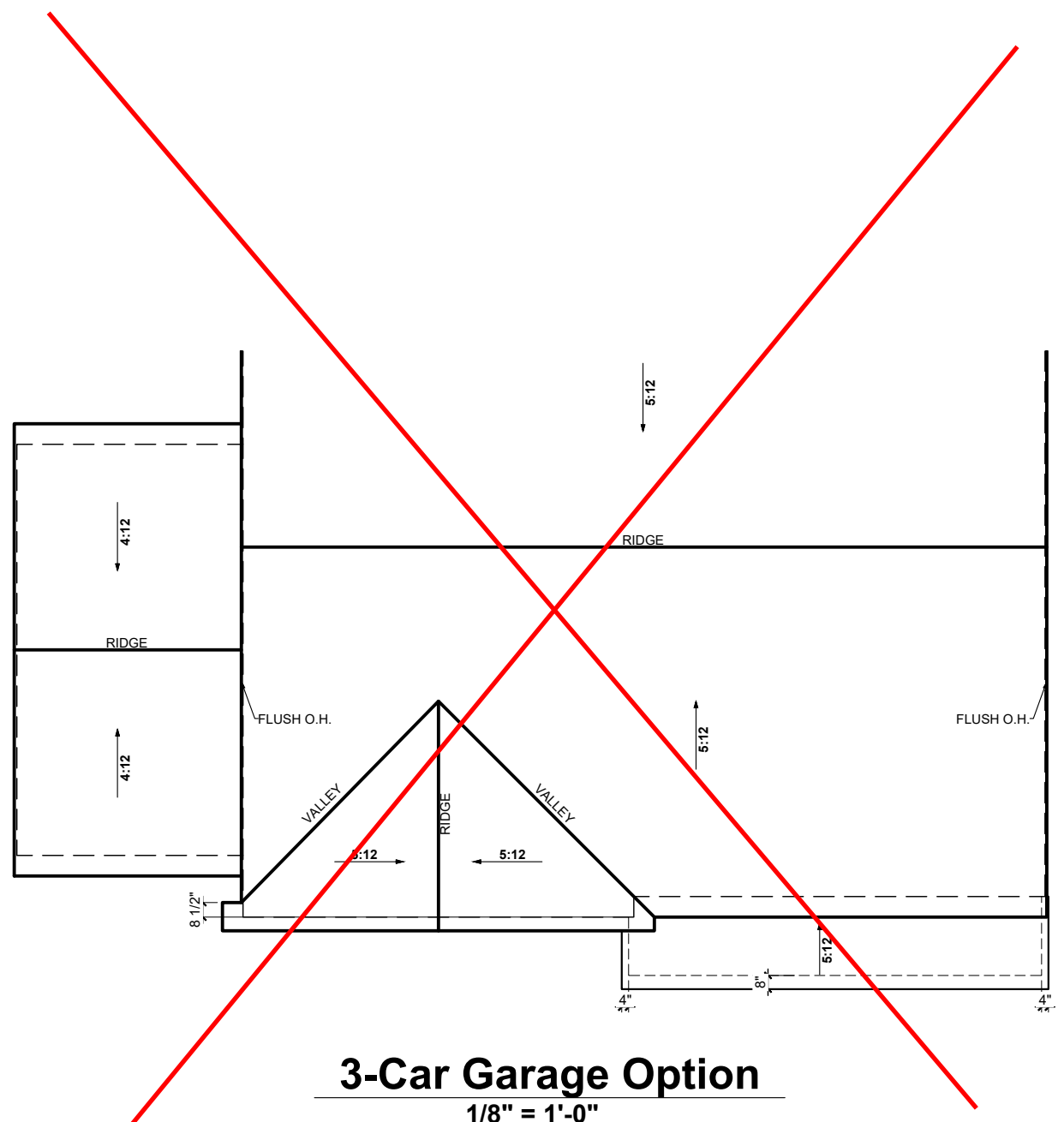
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2. Fascia/beam/column heights at Front and Rear Porches remain the same (regardless of fascia @ main house.)
3. Roof pitch at porch may change. Follow notes at elevations.
4. Window heights and sizes remain the same.



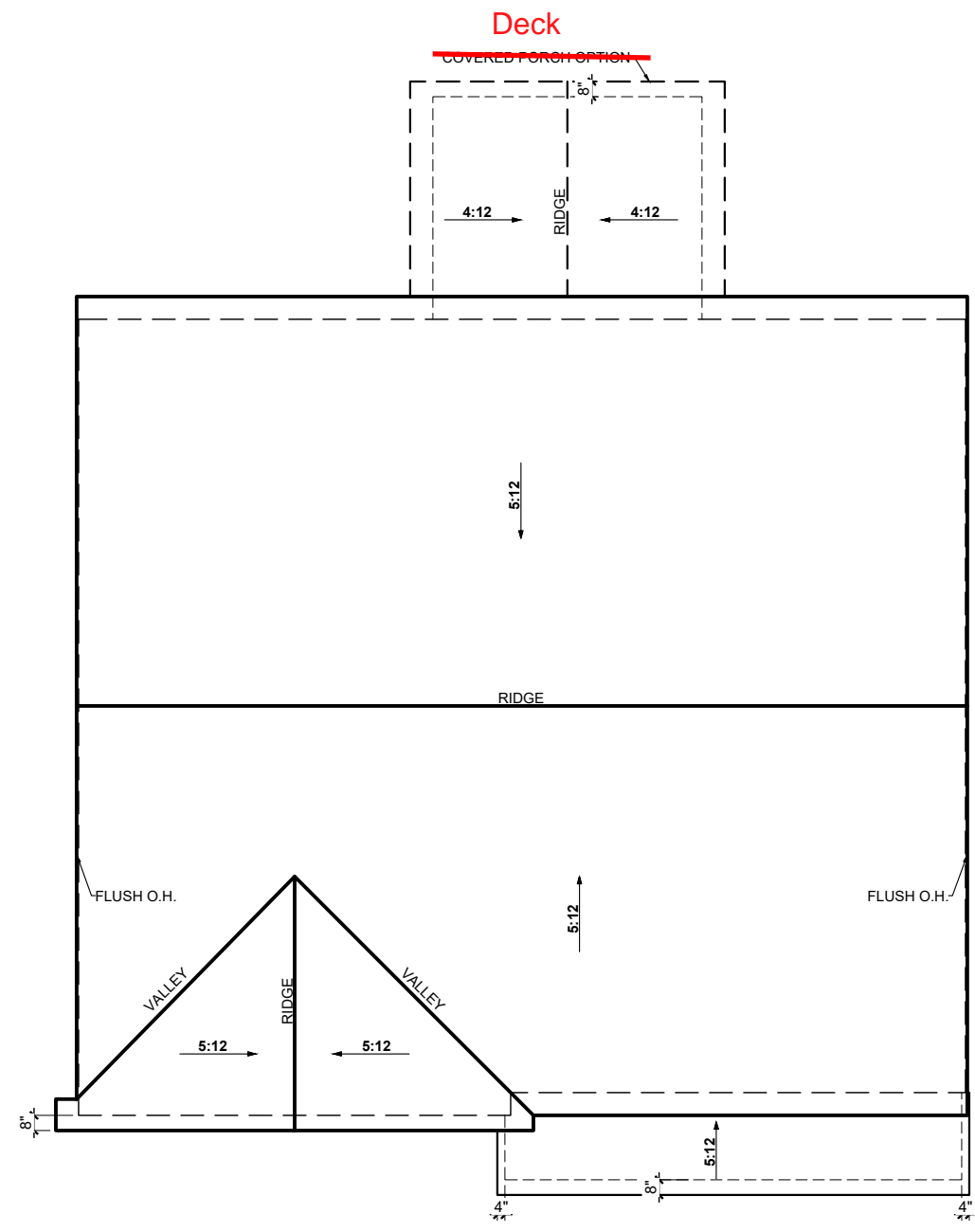
- NOTES:**
1. ALL OVERHANGS ARE 1'-0" U.N.O.
  2. ROOF PLANS *DO NOT* INCLUDE FULL BRICK OPTIONS.
  3. ROOF PLANS ARE NOT INTENDED FOR CONSTRUCTION USE. (INFORMATIONAL USE ONLY)
  4. BE SURE TO CHECK OVERHANG INFORMATION AT PLAN WHEN CALCULATING SOFFIT INTAKE

**B Square Footages:**

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



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



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

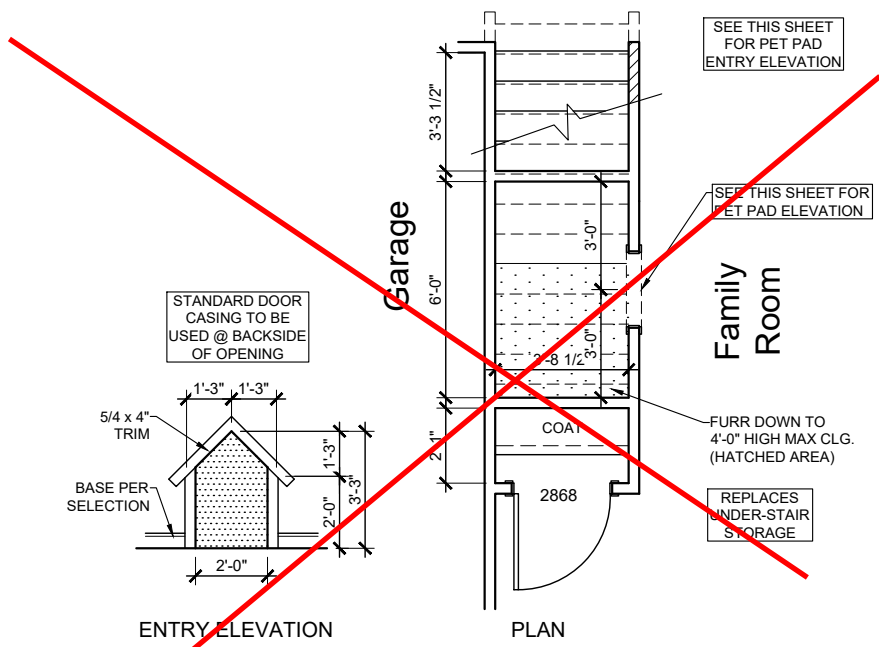
**ROOF INFORMATION SUMMARY**

<b>MAIN ROOF-</b>	
<b>Base House:</b>	
Attic Square Footage.....	1345 sf
Flat Soffit.....	59 lf
Ridge.....	47 lf
<b>AREA(S) NOT AFFECTING MAIN ROOF-</b>	
<b>Front Porch:</b>	
Attic Square Footage.....	78 sf
Flat Soffit.....	20 lf
Roof to Wall Ridge.....	19 lf
<b>Rear Covered Porch Option:</b>	
Attic Square Footage.....	116 sf
Flat Soffit.....	20 lf
Ridge.....	9 lf

**McDowell B**  
Genesis Series  
v.05.02.00.00  
GARAGE LEFT

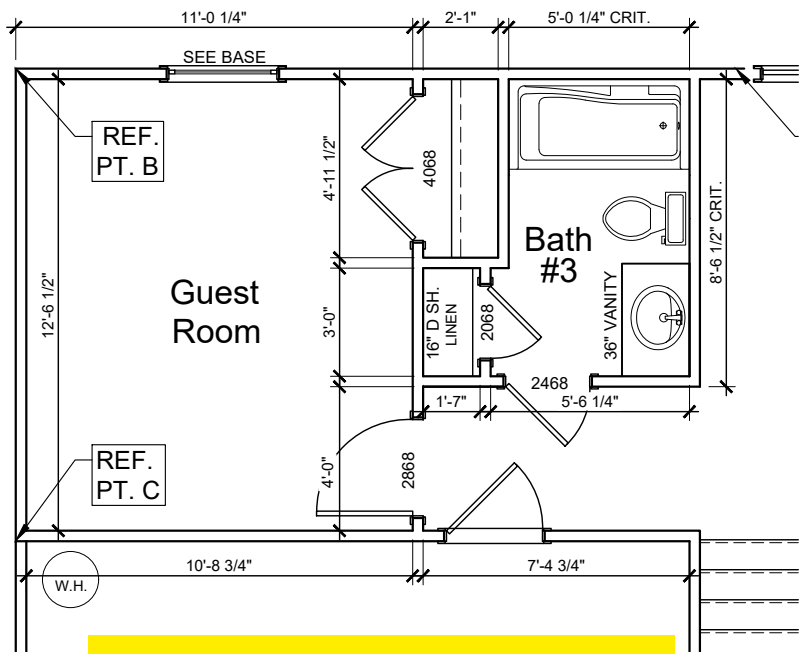
Features:  
Drawn By: ATW  
Rev By: cja  
am SH EB  
Date: 9/6/2024

**A-R 1**



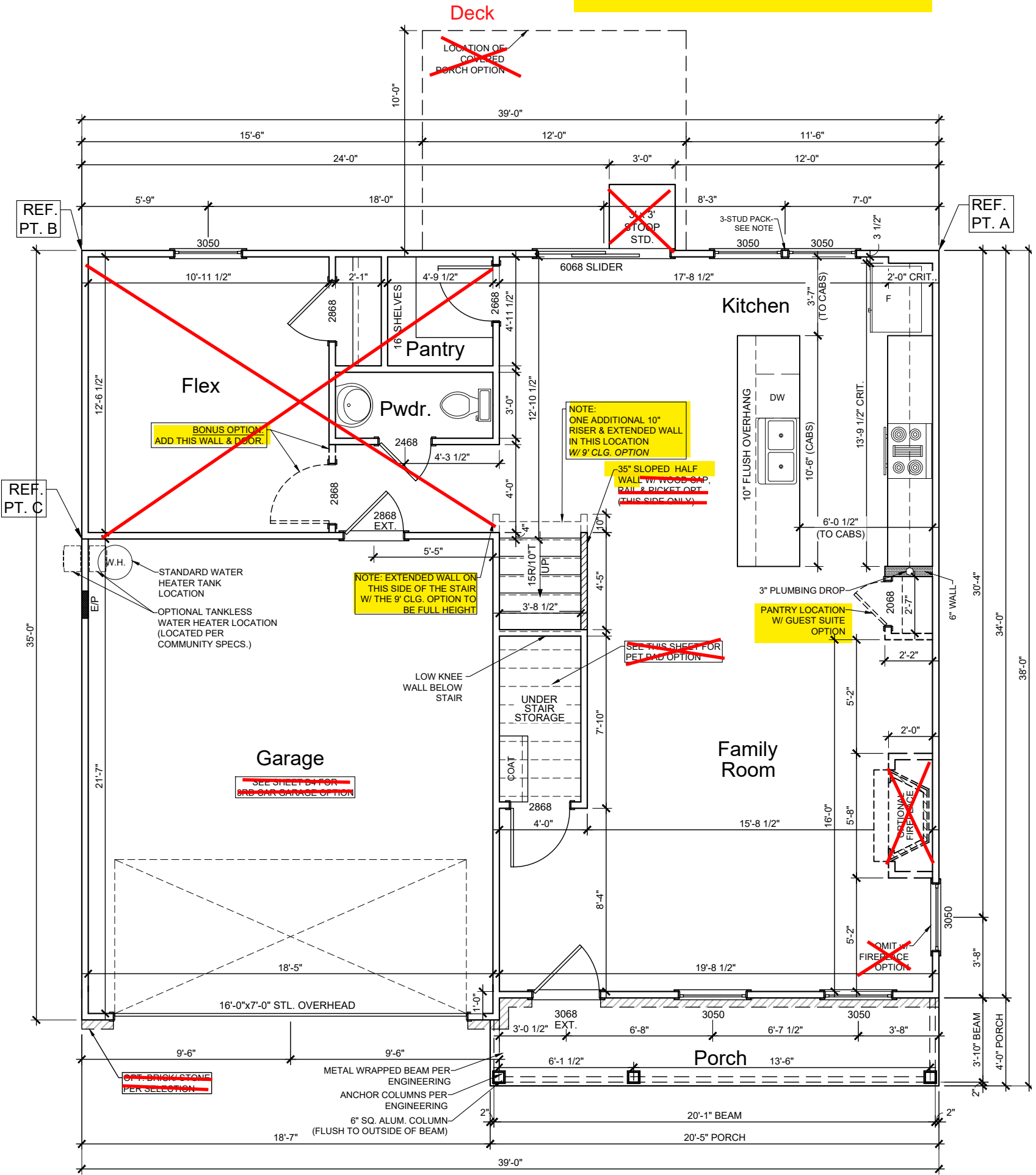
**Pet Pad Option**

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

Date: 9/6/2024

am SH EB

**McDowell B**

Genesis Series  
v.05.02.00.00

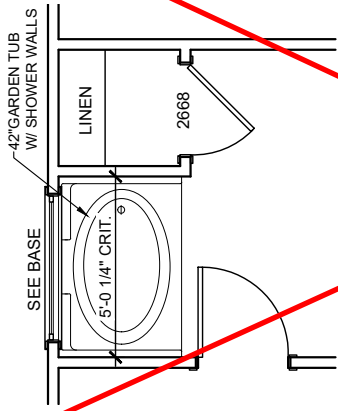
GARAGE LEFT

1st Floor.....	935
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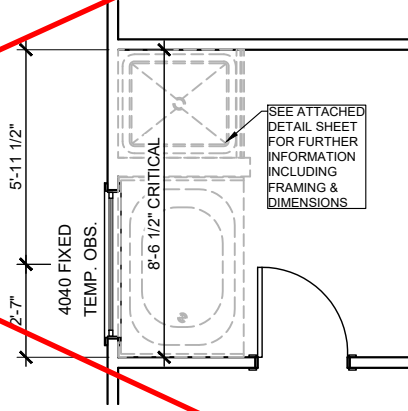
B Square Footages:



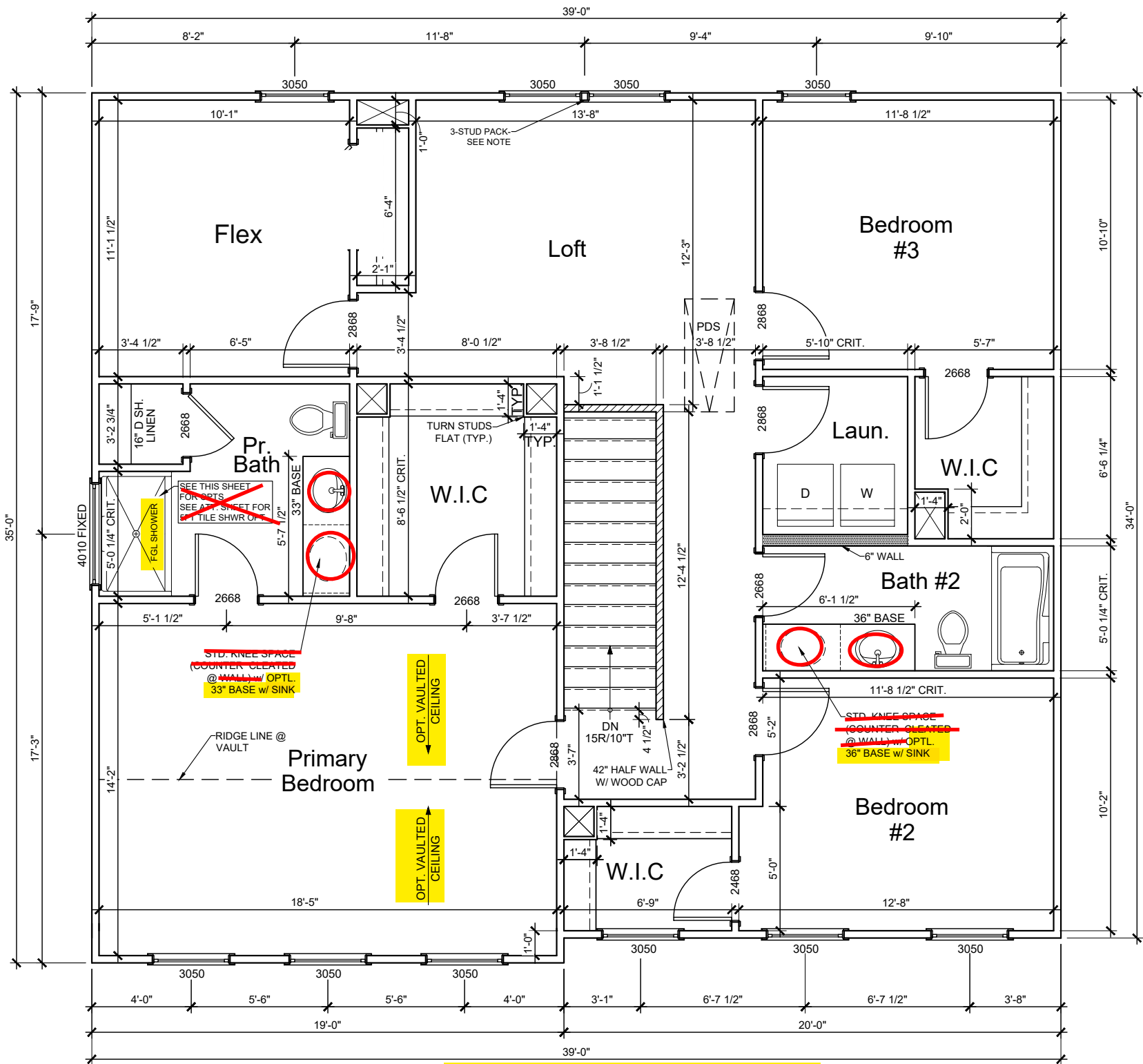
**3- STUD PACK NOTE:**  
 ALL FRAMING BETWEEN WINDOWS TO BE WRAPPED IN ICE & WATER SHIELD OR OTHER WEATHER RESISTANT BARRIER BEFORE WINDOWS ARE INSTALLED. MAINTAIN DRAINAGE PLAN FROM TOP TO BOTTOM WITH HOUSEWRAP - TYPICAL.



**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"

<b>B2</b>	Features:	
	Drawn By: ATW	Rev By: cja am SH EB
	Date: 9/6/2024	

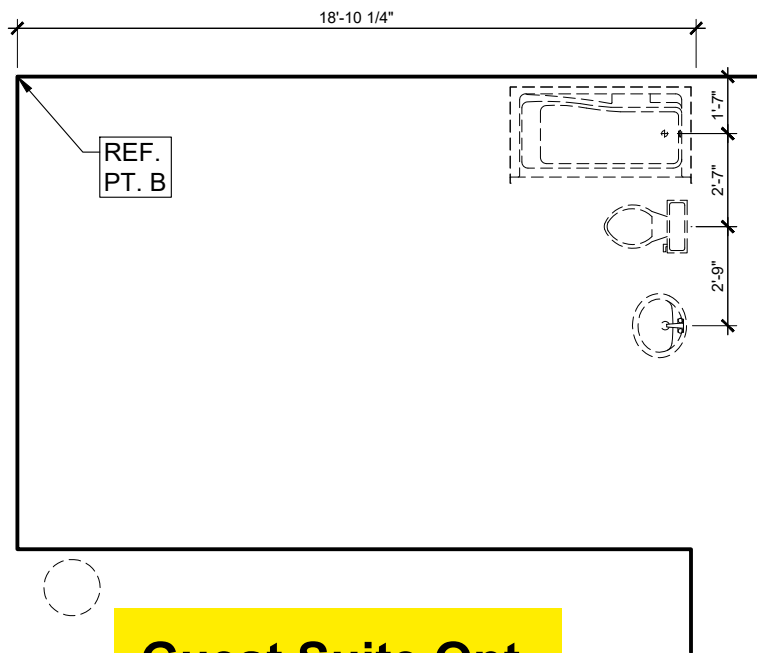
**McDowell B**  
 Genesis Series  
 v.05.02.00.00  
 GARAGE LEFT

1st Floor.....	935
2nd Floor.....	1301
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Covered Porch Option.....	120
3rd Car Garage Option.....	220

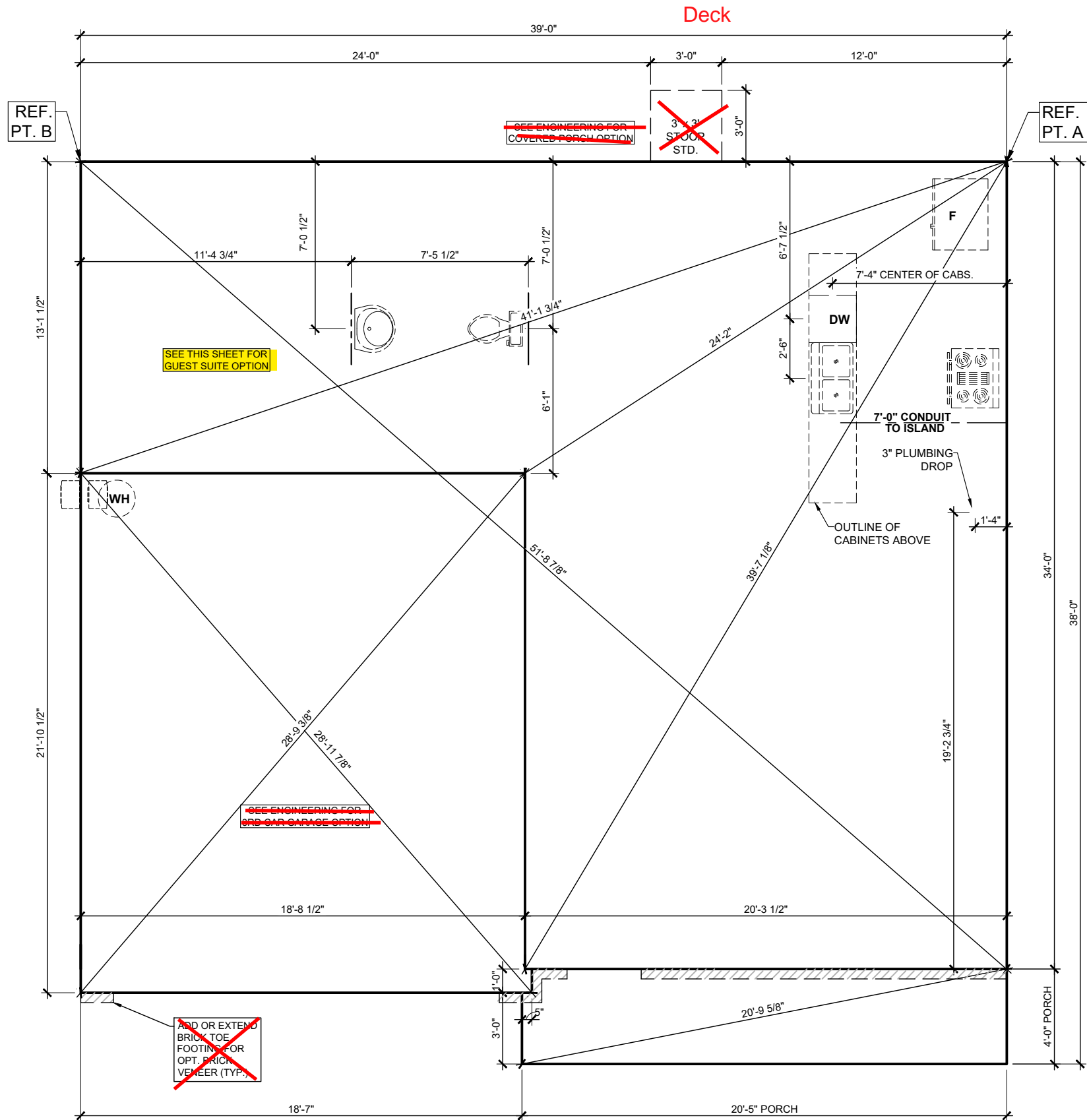
B Square Footages:




- 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.

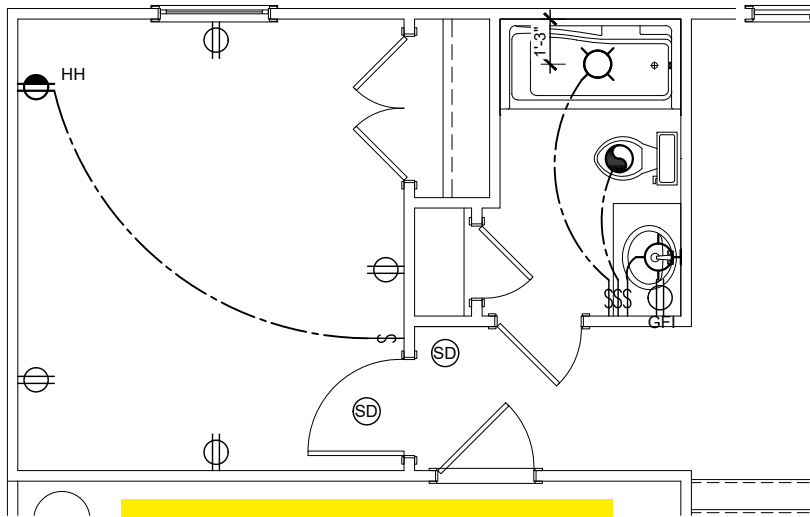


**Guest Suite Opt.**  
 3/16" = 1'-0" I.L.O. FLEX



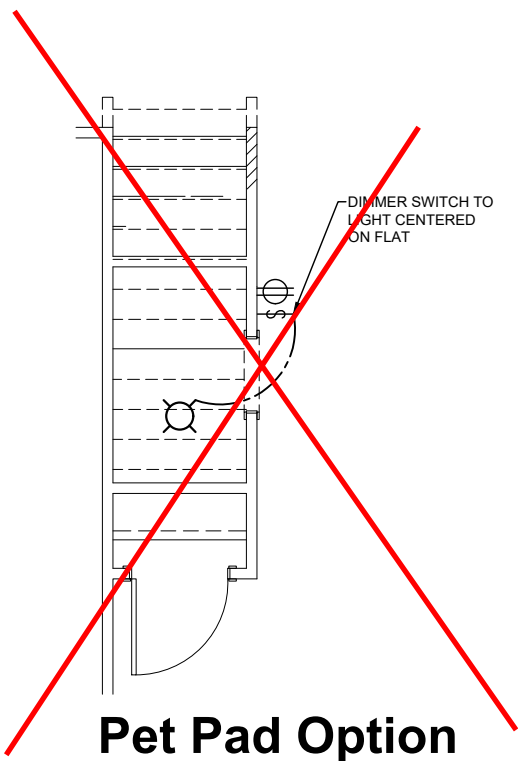
**FOUNDATION INFORMATION SHEET**  
 3/16" = 1'-0"

<b>B3</b>	Features: FOUNDATION INFO. SHEET	<b>McDowell B</b> Genesis Series v.05.02.00.00 GARAGE LEFT	1st Floor.....935	B Square Footages: 
	Drawn By: ATW      Rev By: cja am SH EB		2nd Floor.....1301	
	Date: 9/6/2024		Garage.....410 Front Porch.....81 Covered Porch Option.....120 3rd Car Garage Option.....220	



**Guest Suite Option**

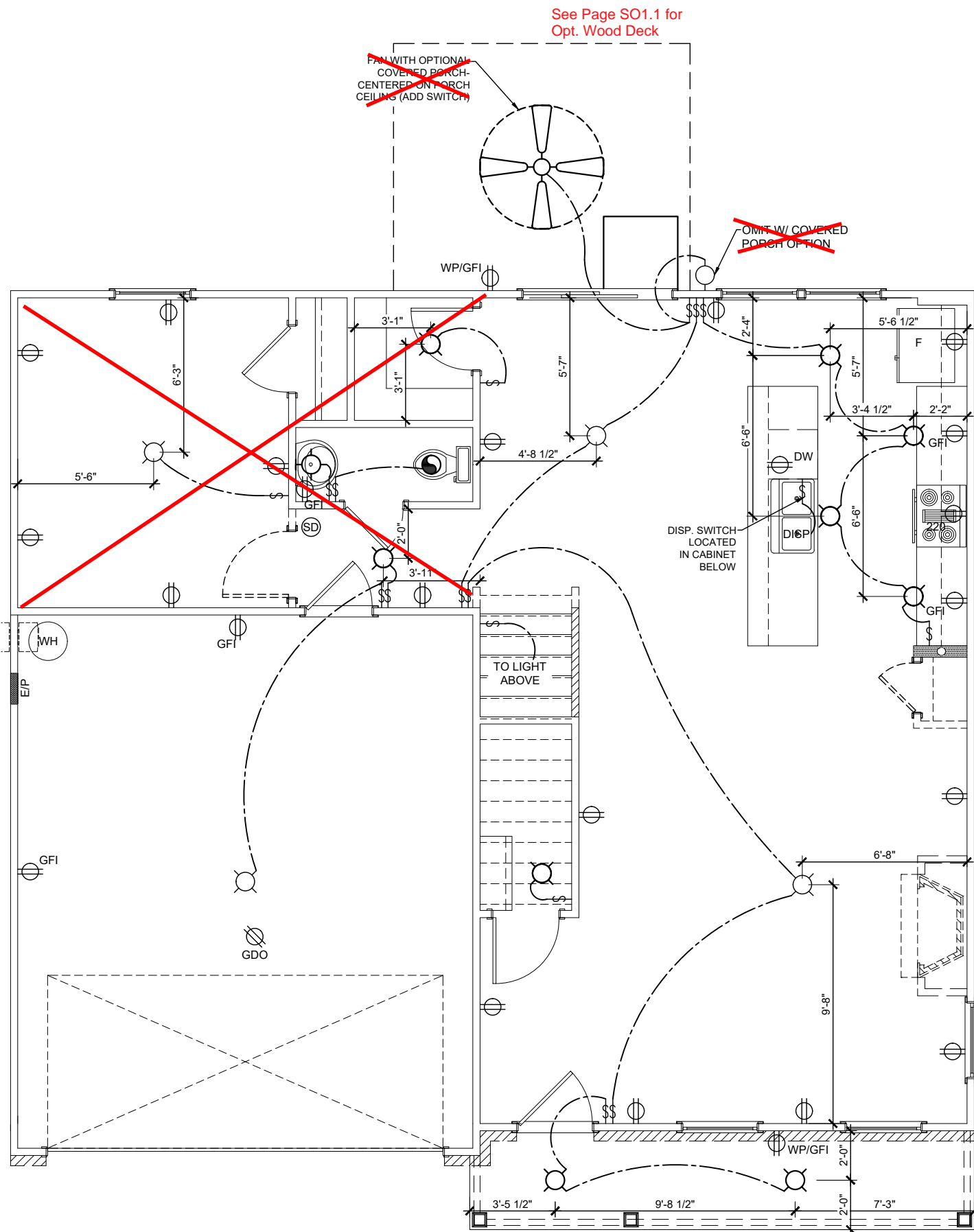
3/16" = 1'-0"



**Pet Pad Option**

3/16" = 1'-0"

I.L.O. UNDER STAIR STO.



**FIRST FLOOR - ELECTRICAL**

3/16" = 1'-0"

**E1**

Features:

Drawn By: ATW

Rev By: cja  
am SH EB

Date: 9/6/2024

**McDowell B**

Genesis Series  
v.05.02.00.00

GARAGE LEFT

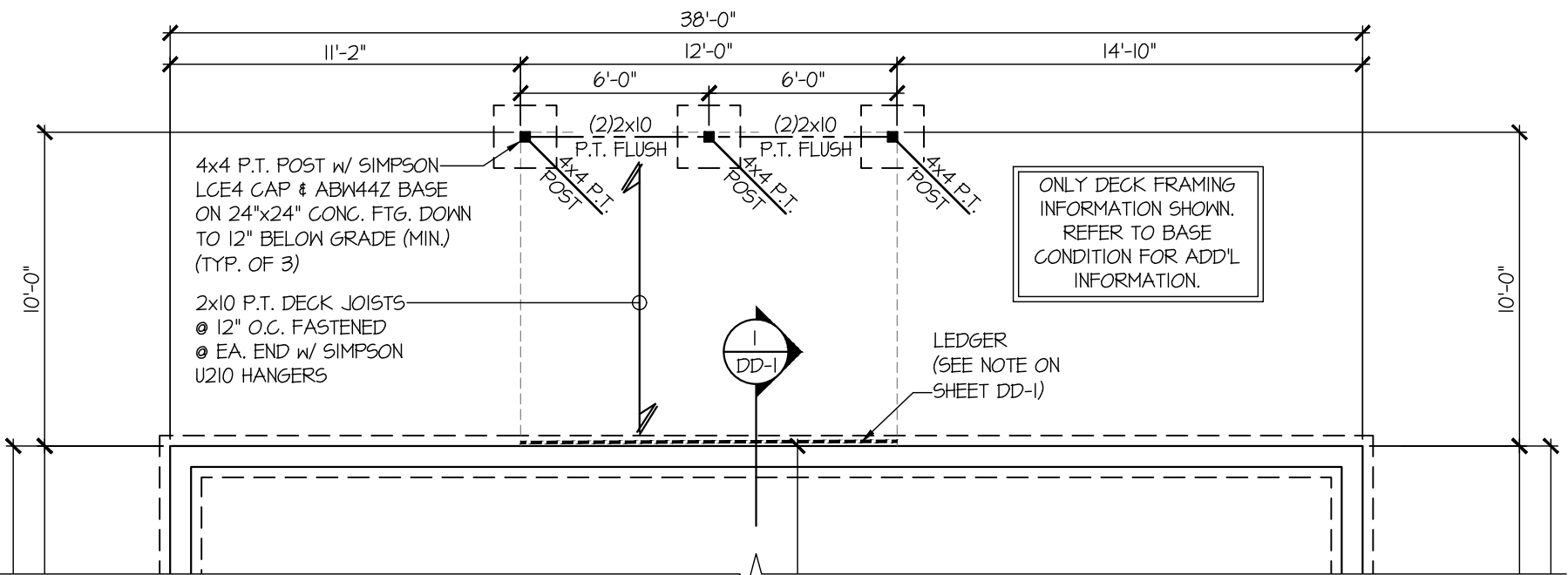
1st Floor.....	935
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B Square Footages:



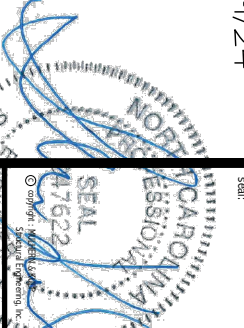
ADD'L HARDWARE SCHEDULE FOR OPT. WOOD DECK

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



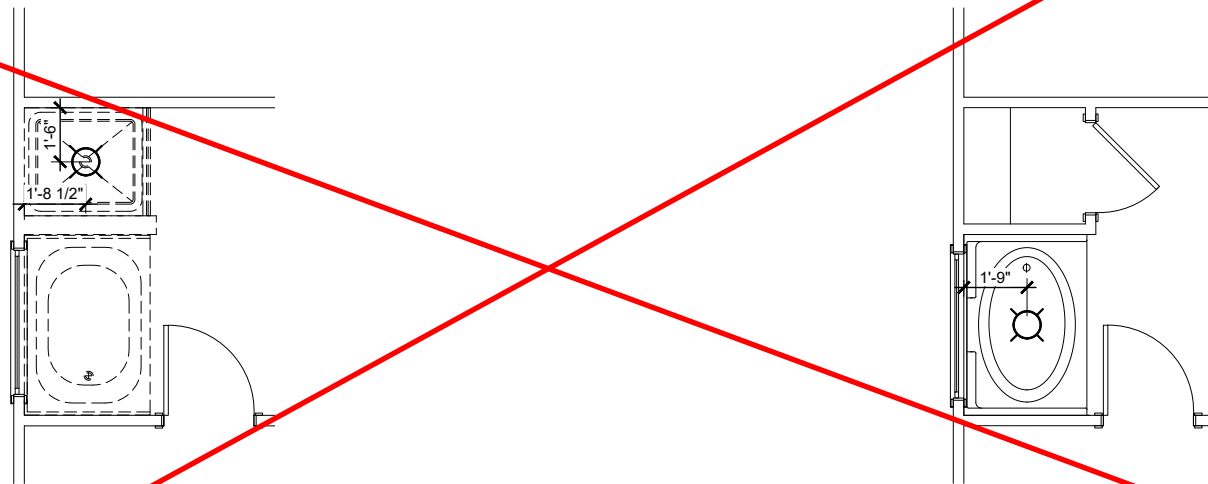
**PARTIAL CRAWLSPACE FOUNDATION PLAN  
OPT. WOOD DECK**  
SCALE: 3/16"=1'-0" ALL ELEVS. SIM.

REFER TO S-0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



2/19/24



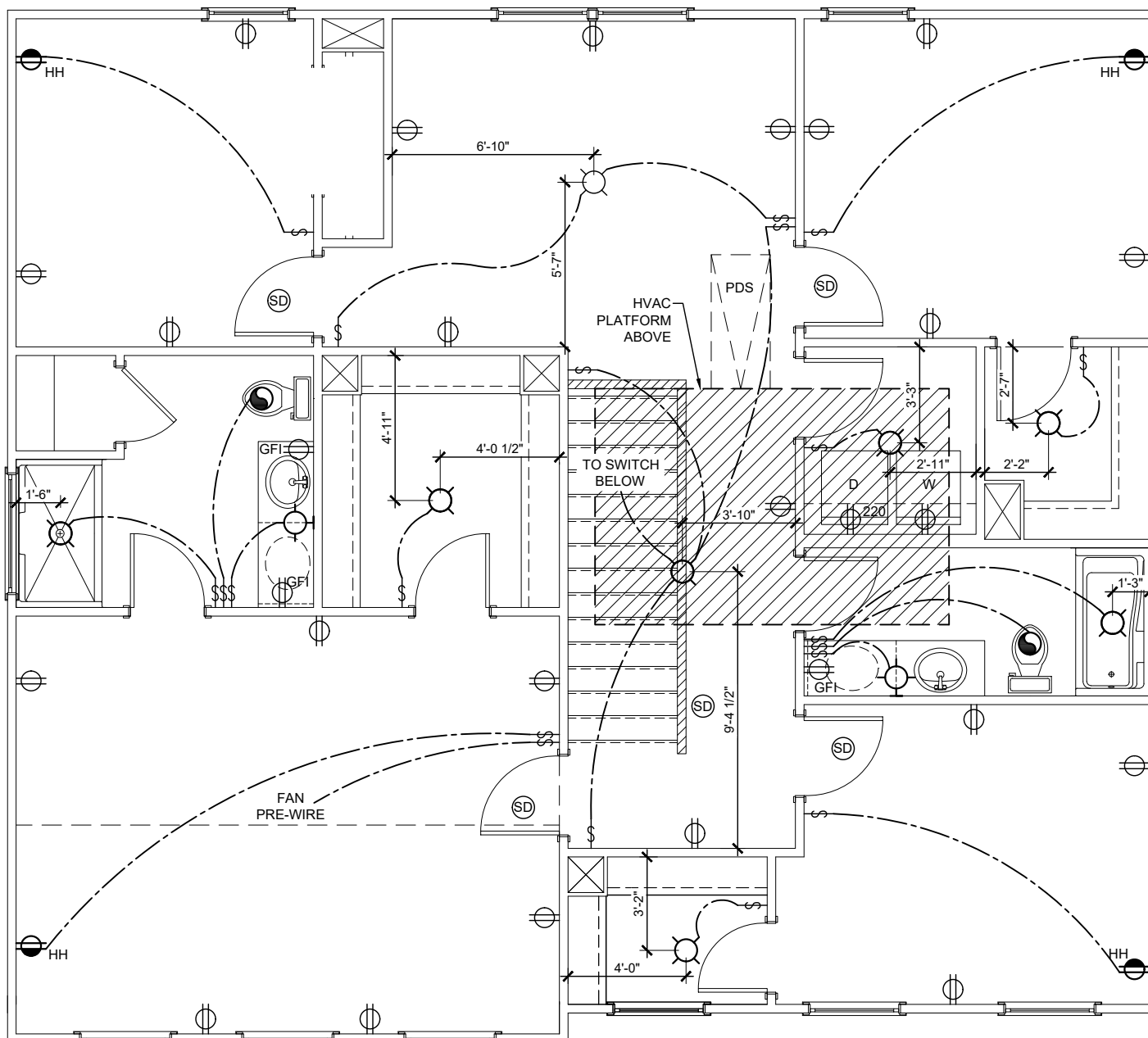


**Tub/ Shower Option**


FOR ORIENTATION PURPOSES ONLY  
@ PRIMARY BATH @ 2ND FLOOR

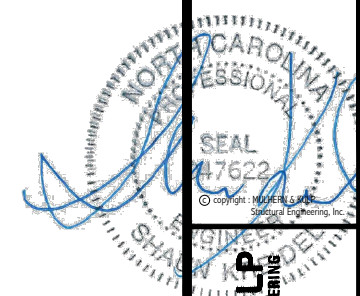
**42" Garden Tub w/  
Shower Walls Option**

3/16" = 1'-0" @ PRIMARY BATH



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

<b>EN</b>	Features:	<b>McDowell B</b> Genesis Series v.05.02.00.00 GARAGE LEFT	1st Floor.....935 2nd Floor.....1301 Garage.....410 Front Porch.....81 Covered Porch Option.....120 3rd Car Garage Option.....220	B Square Footages: 	
	Drawn By: ATW				Rev By: cja am SH EB
	Date: 9/6/2024				



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.

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.

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.N.A.) -AND/OR- SHEAR WALL ABOVE (S.N.A.), Beam / Header, Extent of Overframing (O.F.), Extent of Tile Over Floor, Extent of Bracing Panels/Shearwall w/ Adtl. 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.

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.

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.

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.

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").

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.

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/FLASH BEAMS DO NOT EXCEED THE FOLLOWING:

LIST OF ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Rows include B.F. BALLOON-FRAMED BEAM, INT. INTERIOR, J.T. JACK TRUSS, 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

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 300 Bannockburn Ave., Building 4 - Asheville, NC 28802 724-948-9001 • mulhern+kulp.com NC License # C-3825

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

ARCH: v.02.01.00.00



GENERAL STRUCTURAL NOTES McDowell WIND SPEED < 115 MPH NORTH CAROLINA

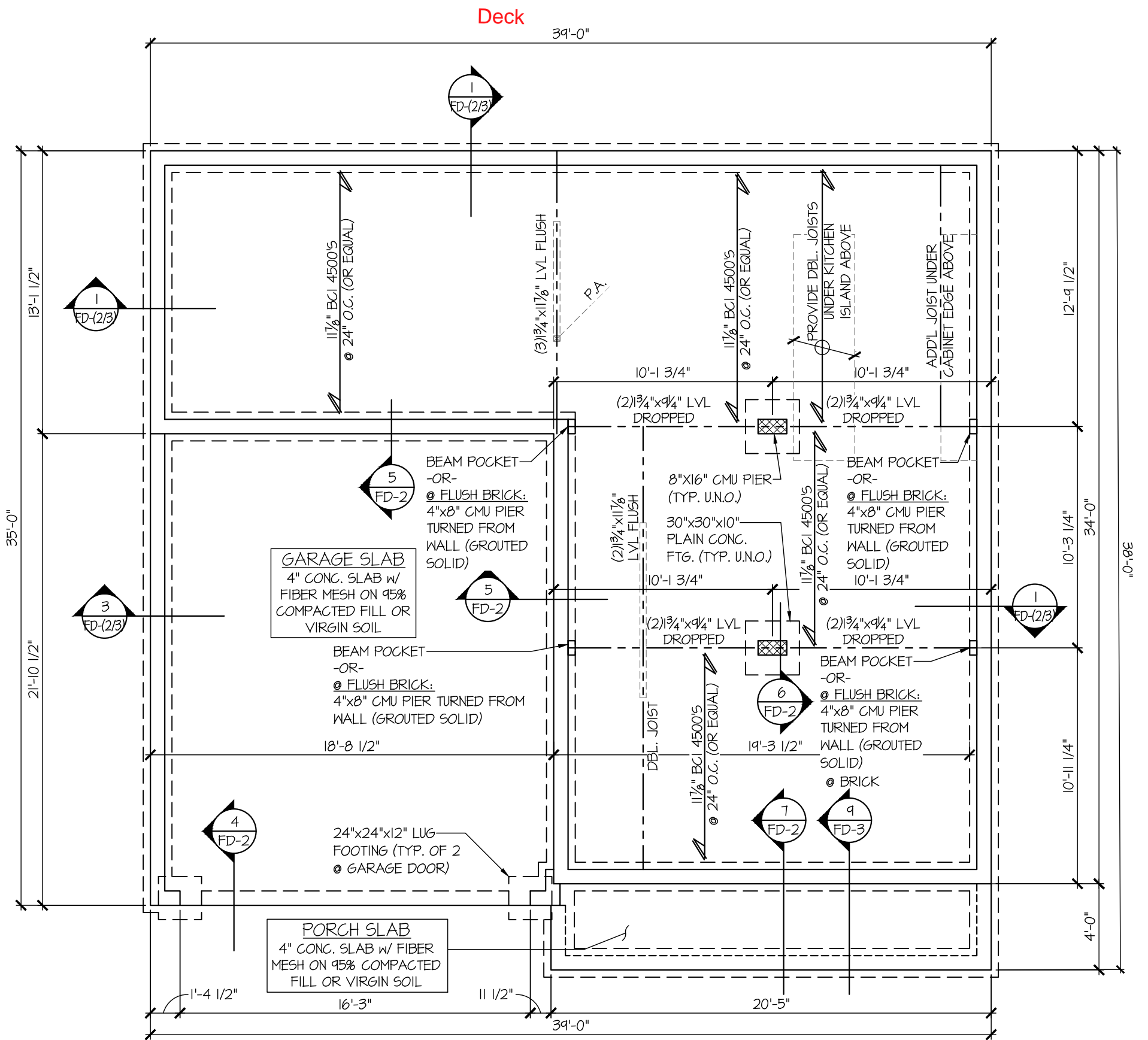
SO.0

DIMENSIONS REFLECT FACE OF WALL STUDS ABOVE OR CENTERLINES OF CRAWLSPACE PIERS (REFER TO DETAILS FOR FOUNDATION WALL PLACEMENT RELATIVE TO WALL FRAMING ABOVE)

FOUNDATION HARDWARE SCHEDULE  
ELEVATION B

QTY	PRODUCT
15	SIMPSON STRONG-BOLT 2

HARDWARE NOTES:  
 - ALL NAIL HOLES FILLED  
 - ALL COUNTS ESTIMATED  
 - 15 ADDITIONAL STRONG-BOLT 2 ANCHORS INCLUDED FOR MISSED ANCHOR BOLTS



**CRAWLSPACE SLAB FOUNDATION PLAN**  
SCALE: 3/16"=1'-0" ELEV. B

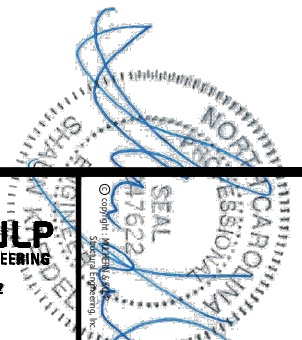
REFER TO S-0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

SC1.1M  
 CRAWLSPACE FOUNDATION PLAN  
 McDOWELL  
 ELEVATION B  
 WIND SPEED < 115 MPH NORTH CAROLINA



ARCH: 02.10.0000  
 date: \_\_\_\_\_  
 initials: \_\_\_\_\_  
 REVISIONS:  
 project mgr: SMK  
 drawn by: MRG  
 issue date: 03-24-22  
 M&K project number: 192-17012

**MULHERN+KULP**  
 RESIDENTIAL STRUCTURAL ENGINEERING  
 300 Shoemaker Ave, Building 4 • Amherst, PA 15802  
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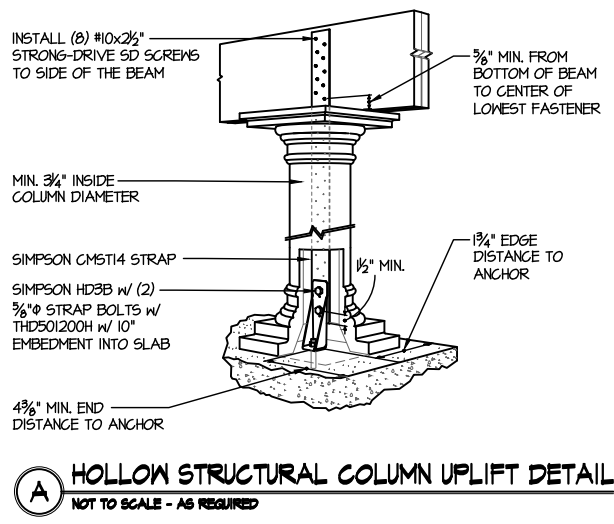


2/19/24

2ND FLOOR HARDWARE SCHEDULE  
ELEVATION B

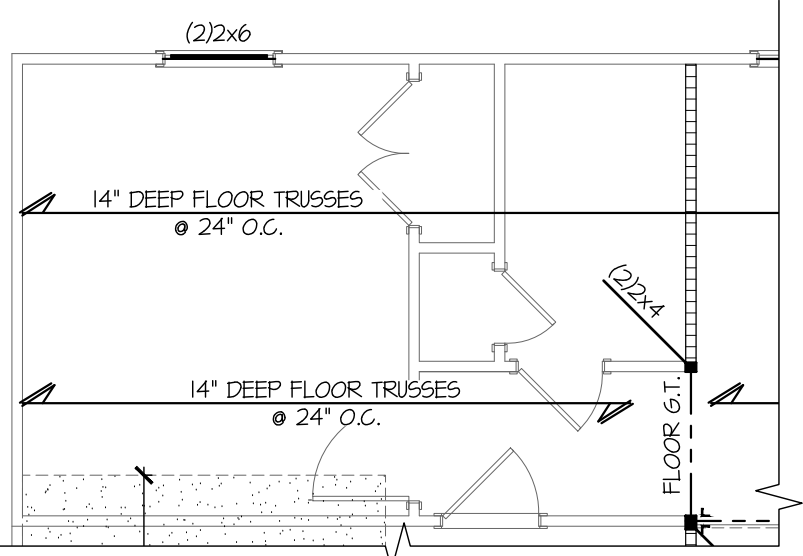
QTY	PRODUCT
13	SIMPSON H2.5A CLIP
3	SIMPSON HD3B HOLDOWN
3	SIMPSON CMST14 STRAP

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

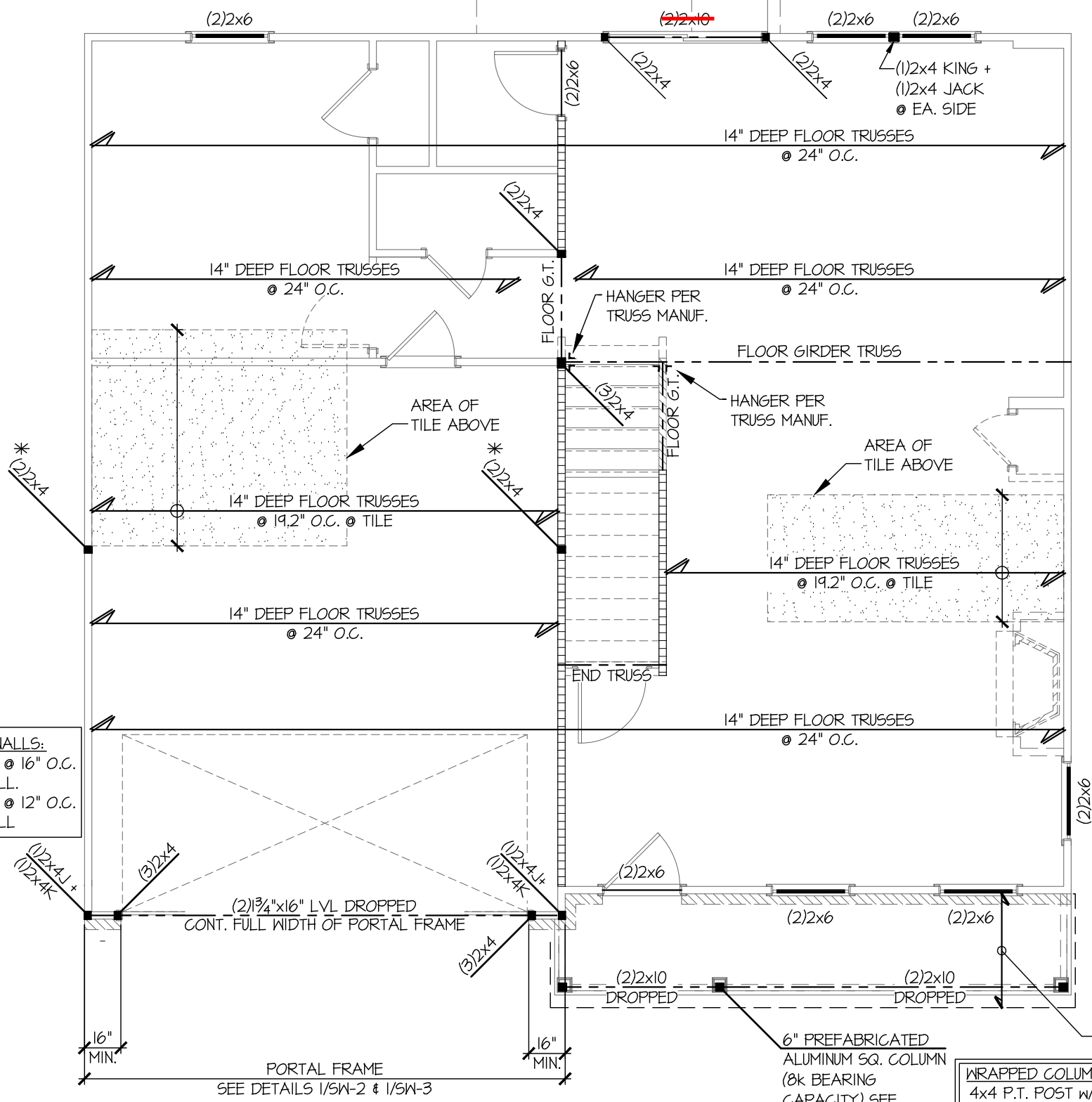
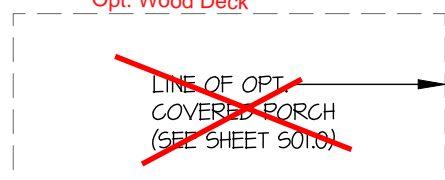


**(A) HOLLOW STRUCTURAL COLUMN UPLIFT DETAIL**  
NOT TO SCALE - AS REQUIRED

See Page S01.1 for  
Opt. Wood Deck



**2 PARTIAL 2ND FLR FRAMING PLAN  
OPT. GUEST SUITE**  
SCALE: 3/16\"/>



EXT. GARAGE WALLS:  
 - 2x4 SP 'STUD' @ 16\"/>

WRAPPED COLUMN ALTERNATIVE:  
 4x4 P.T. POST W/ SIMPSON LCE4  
 CAP + SIMPSON ABW44Z BASE

**1 2ND FLOOR FRAMING PLAN**  
SCALE: 3/16\"/>

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

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

2/19/24

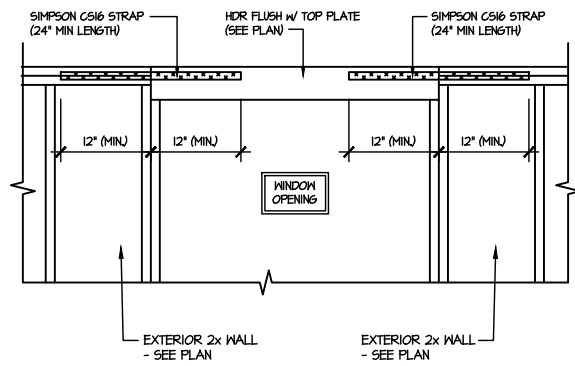
S2.1M	2ND FLOOR FRAMING PLAN	MUNGO HOMES	ARCH: 02.01.00.00	DATE:	REVISED:	ISSUE DATE:	DRAWN BY:	CHKD BY:	PROJECT NO.:	<p>300 Brookside Ave, Building 4 - Amber, PA 15002                  P 215-616-0001 • msk@mulhernkulp.com                  NC License # C-3825</p>
	McDOWELL		WIND SPEED < 115 MPH NORTH CAROLINA	03-24-22	MRG	SMK	192-17012			

ROOF HARDWARE SCHEDULE  
ELEVATION B

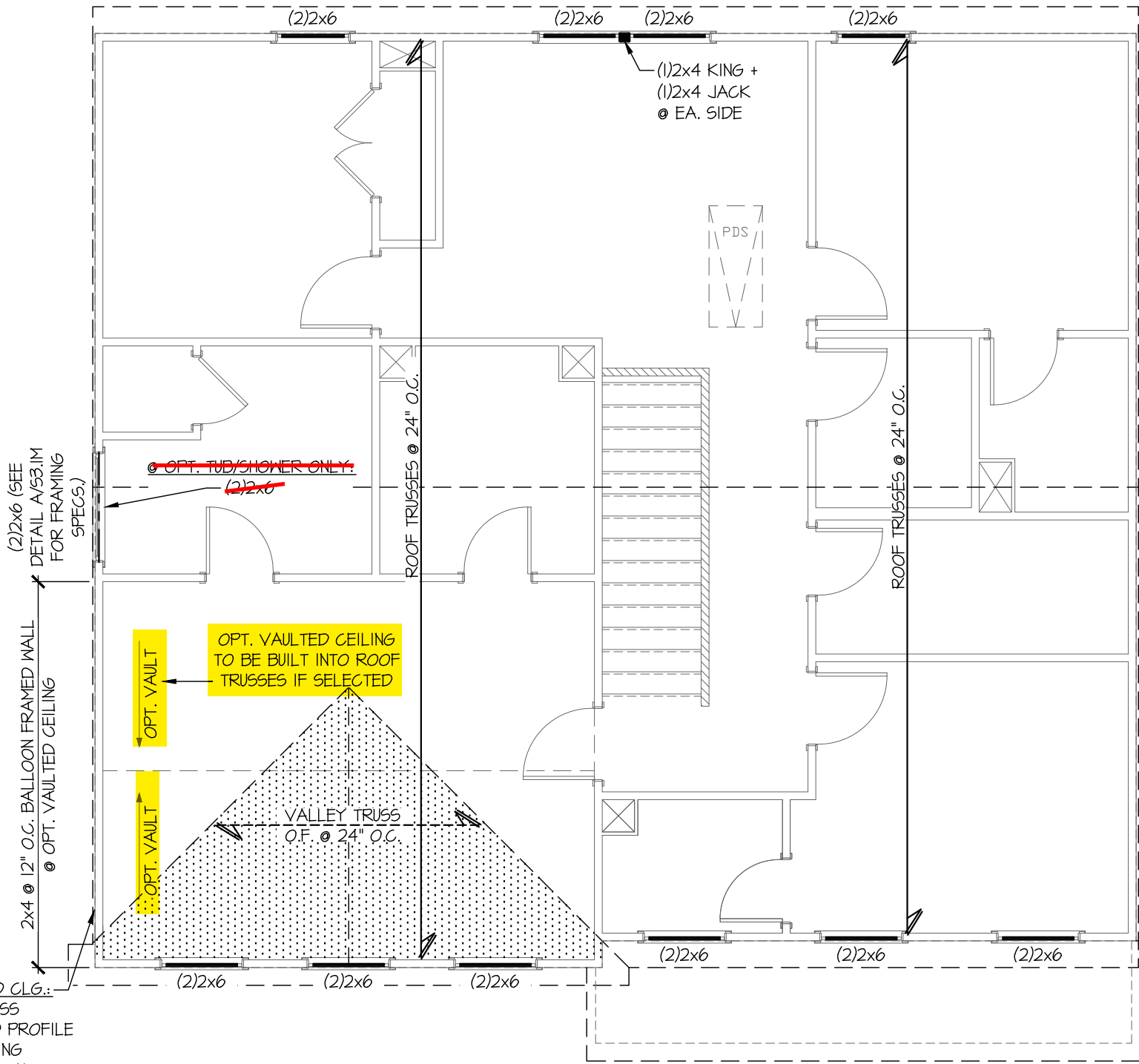
QTY	PRODUCT
52	SIMPSON H2.5A CLIP
2	SIMPSON MTS16 STRAP

HARDWARE NOTES:

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



**SHEAR TRANSFER DETAIL AT UPSET WINDOW**  
SCALE: 3/8"=1'-0"



OPT. VAULTED CLG.: GABLE END TRUSS BOTTOM CHORD PROFILE TO MATCH CEILING PROFILE. BALLOON FRAME WALL TO UNDERSIDE OF TRUSS

PLAN DESIGNED FOR 8' PLATE HEIGHT

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

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

S3.1M

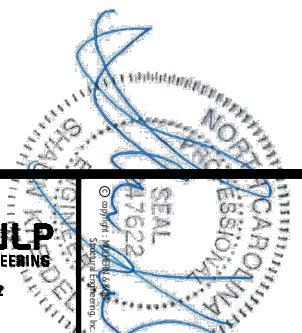
ROOF FRAMING PLAN  
McDOWELL  
ELEVATION B  
WIND SPEED < 115 MPH NORTH CAROLINA



ARCH: 02.01.00.00  
date: 03-24-22  
drawn by: MRG  
project mgr: SMK  
192-17012



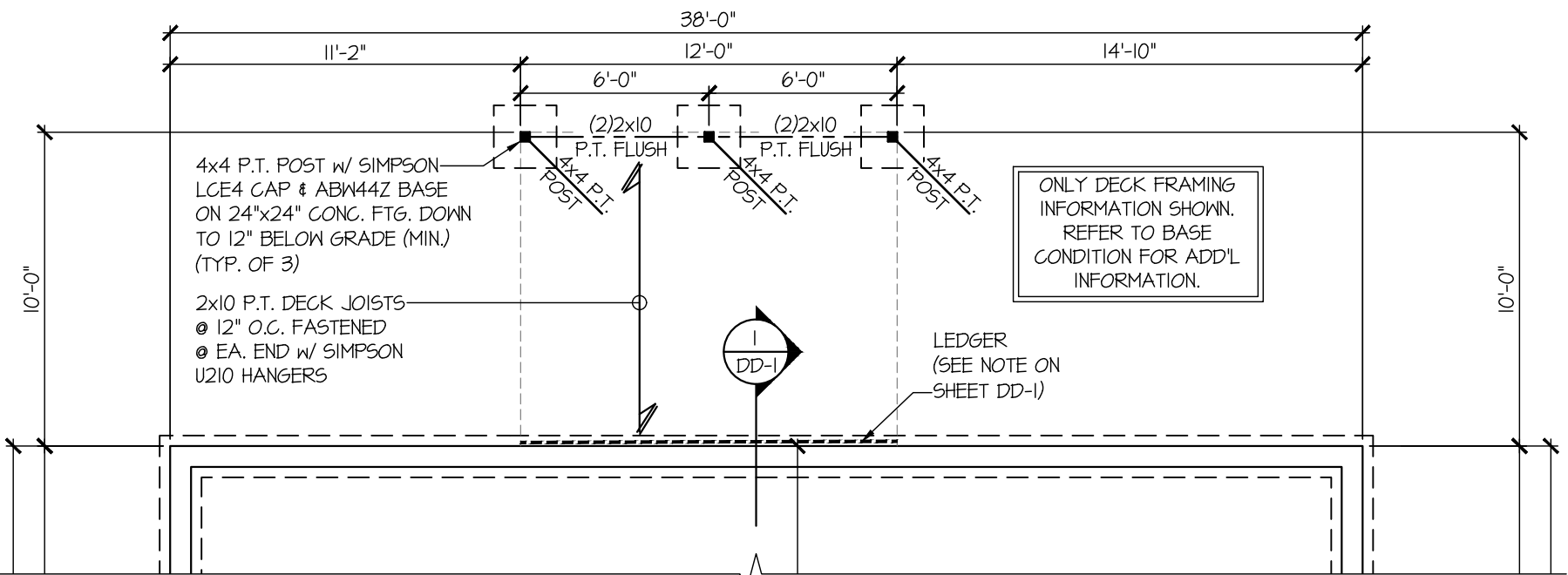
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2/9/24

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

DESIGNER: MDS

PROJECT MGR: SMK

ISSUE DATE: 09-04-20

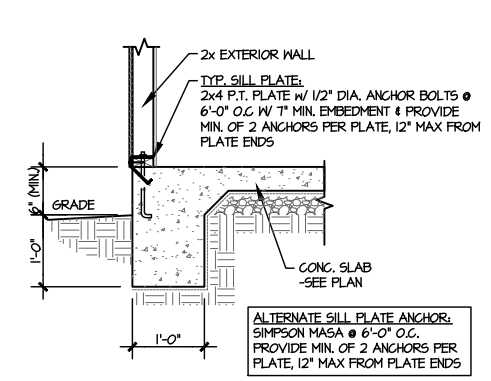
PROJECT NO: 192-17017

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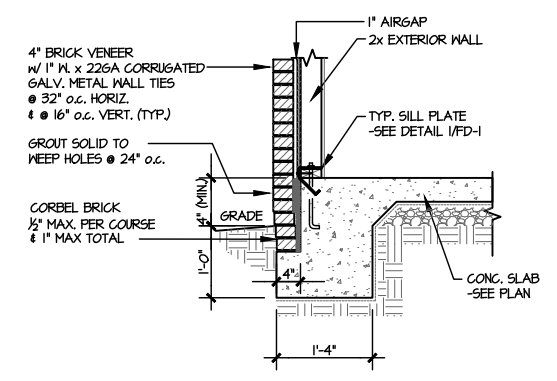
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SEAL  
47622

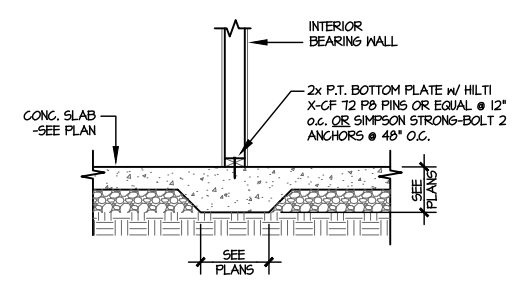
2/19/24



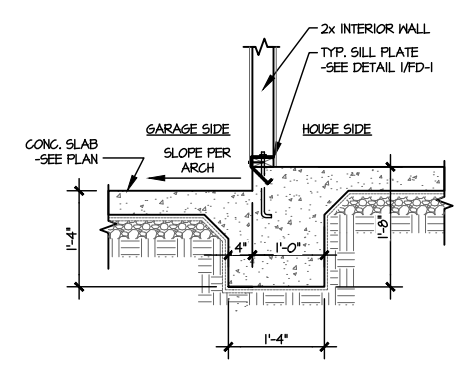
**1** TYPICAL TURNDOWN @ EXT. WALL  
SCALE: 3/8"=1'-0"



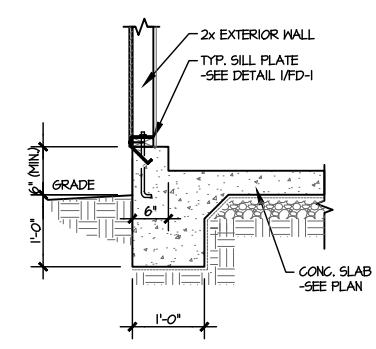
**2** TYPICAL TURNDOWN @ EXT. WALL (BRICK)  
SCALE: 3/8"=1'-0"



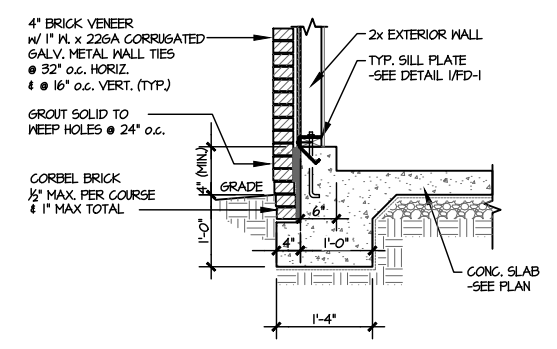
**3** TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL  
SCALE: 3/8"=1'-0"



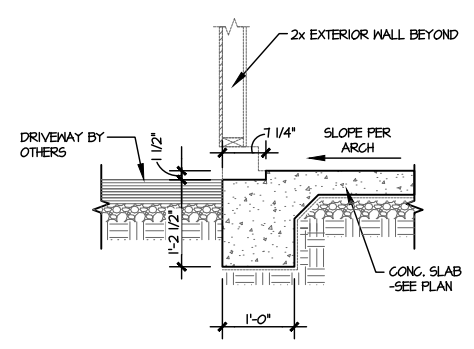
**4** TYPICAL INT. FOOTING BETWEEN HOUSE & GARAGE  
SCALE: 3/8"=1'-0"



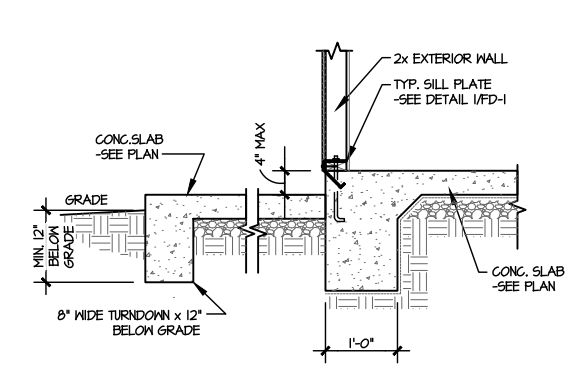
**5** TYPICAL TURNDOWN @ EXT. GARAGE WALL  
SCALE: 3/8"=1'-0"



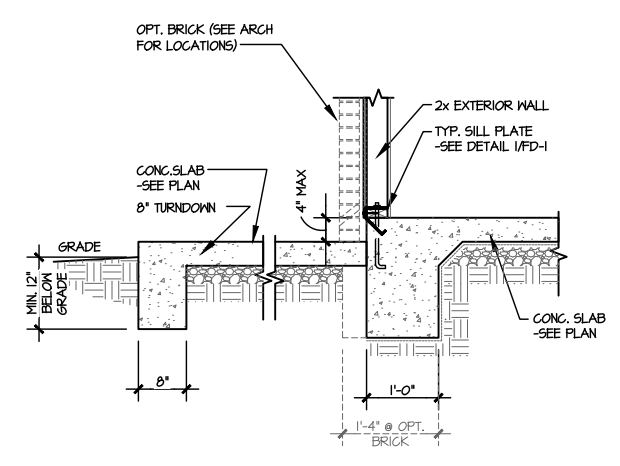
**6** TYPICAL TURNDOWN @ EXT. GARAGE WALL (BRICK)  
SCALE: 3/8"=1'-0"



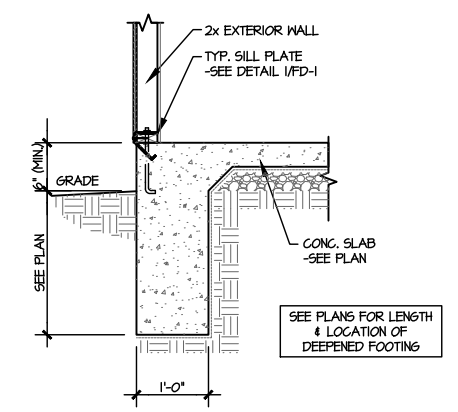
**7** GARAGE OPENING  
SCALE: 3/8"=1'-0"



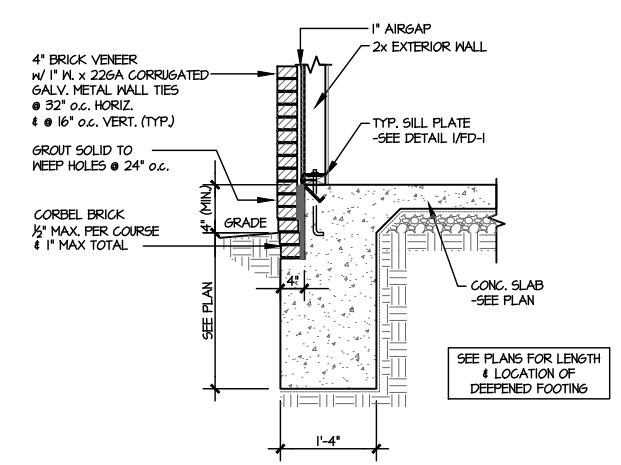
**8** TYPICAL TURNDOWN @ PATIO/PORCH  
SCALE: 3/8"=1'-0"



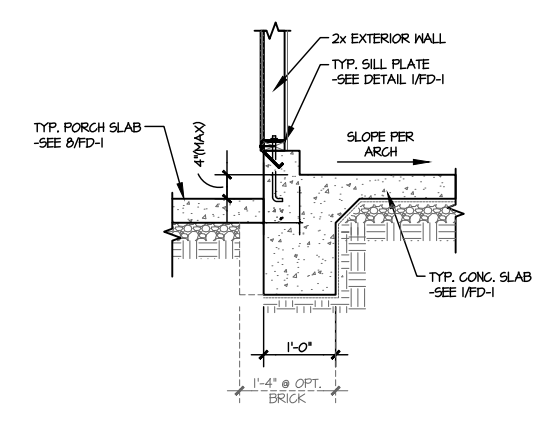
**9** TYPICAL TURNDOWN @ PATIO/PORCH (BRICK)  
SCALE: 3/8"=1'-0"



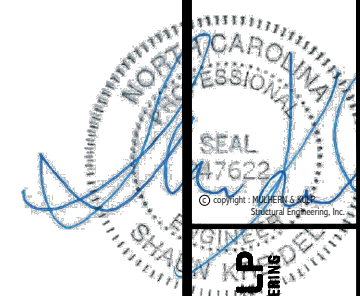
**10** TYPICAL TURNDOWN W/ DEEPEMED FTGS. @ EXT. WALL  
SCALE: 3/8"=1'-0"



**11** TYPICAL TURNDOWN @ EXT. WALL (BRICK)  
SCALE: 3/8"=1'-0"



**12** TYPICAL TURNDOWN @ COVERED PORCH/ATTACHED GARAGE  
SCALE: 3/8"=1'-0"



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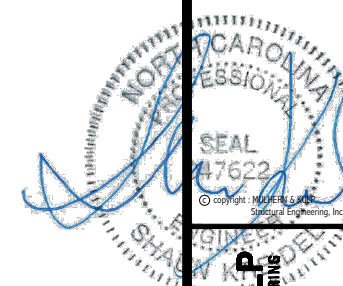
MS&K project number: 192-17012  
project mgr: SMK  
drawn by: MRG  
issue date: 03-24-22

REVISIONS:  
date: initial:

ARCH: v.02.01.00.00



FOUNDATION DETAILS  
McDOWELL  
WIND SPEED < 115 MPH NORTH CAROLINA



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project mgr: SMK  
drawn by: MRG  
issue date: 03-24-22

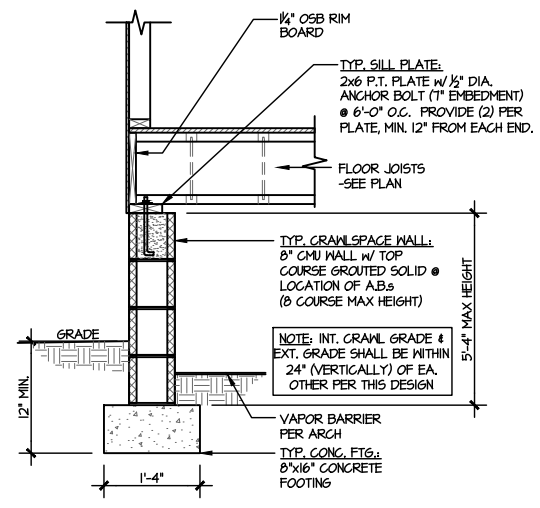
REVISIONS:  
date: initial:

ARCH: v.02.01.00.00



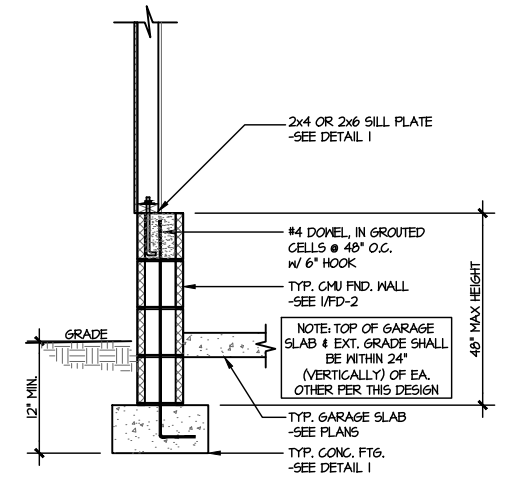
FOUNDATION DETAILS  
McDOWELL  
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: **FD-2**

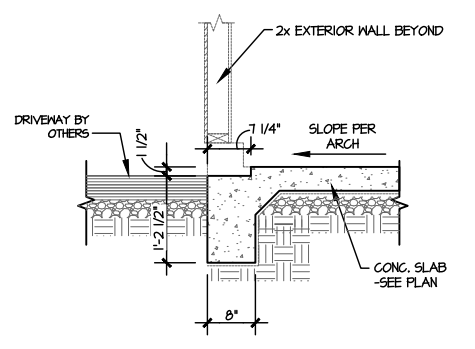


**1** TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"

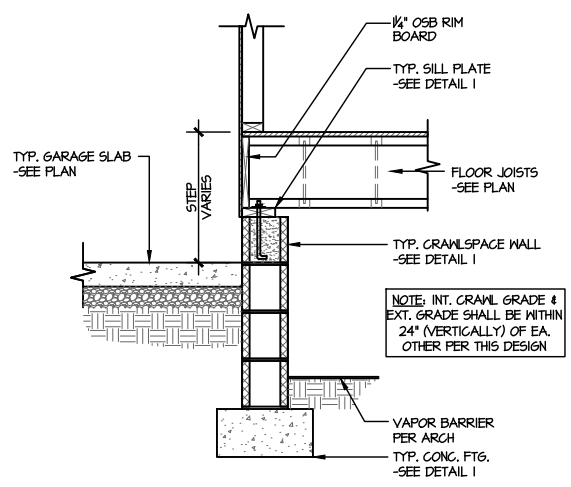
**2** NOT USED  
SCALE: 3/8"=1'-0"



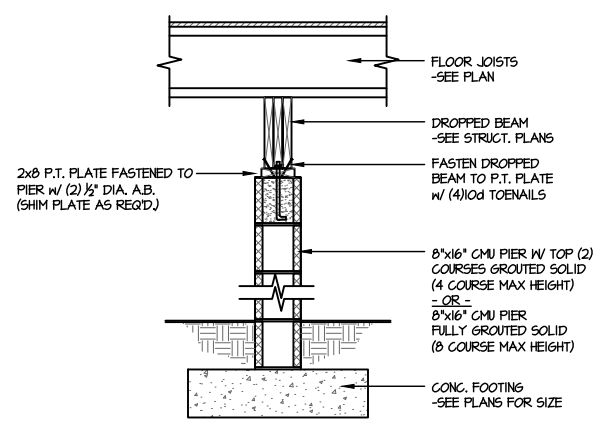
**3** TYPICAL PERIMETER FOOTING @ EXTERIOR GARAGE WALL  
SCALE: 3/8"=1'-0"



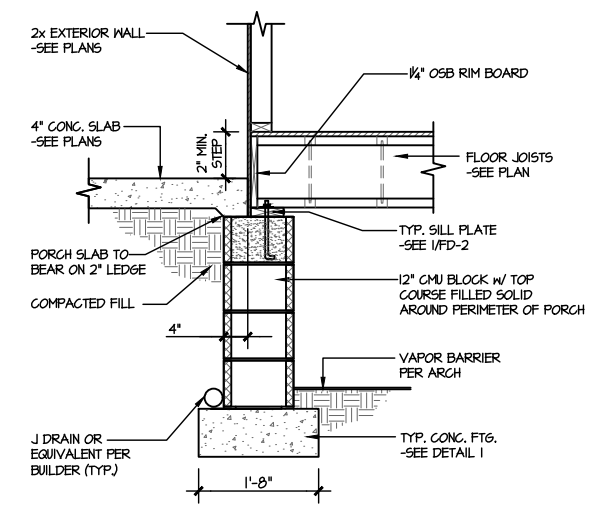
**4** TYPICAL TURNDOWN FOOTING AT EXTERIOR GARAGE APRON  
SCALE: 3/8"=1'-0"



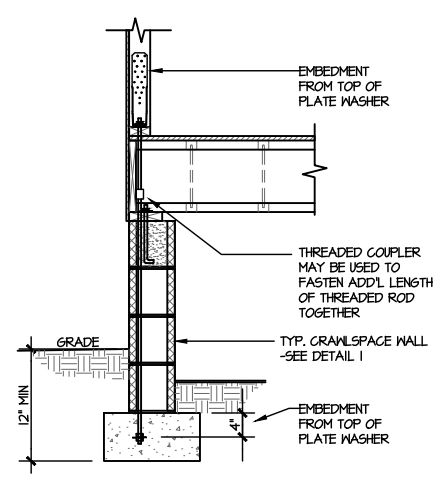
**5** TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR GARAGE WALL  
SCALE: 3/8"=1'-0"



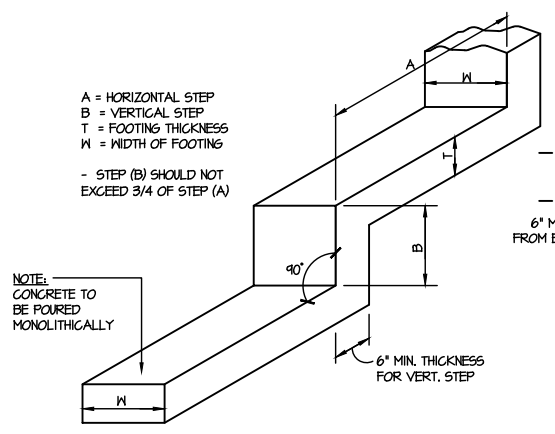
**6** TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR PIER  
SCALE: 3/8"=1'-0"



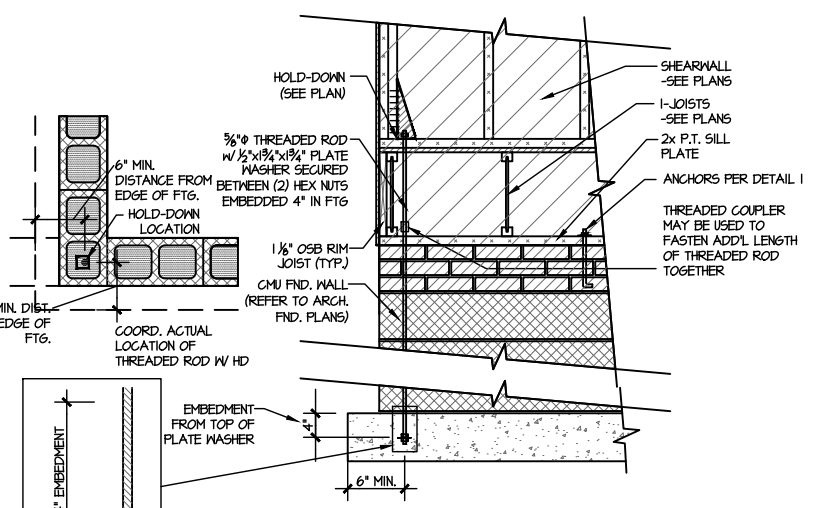
**7** TYPICAL CRAWLSPACE FOUNDATION @ PORCH SLAB  
SCALE: 3/8"=1'-0"



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

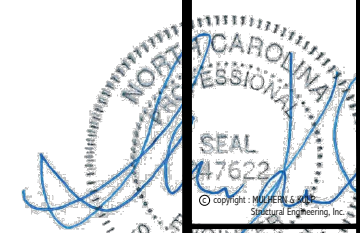


**B** TYPICAL STEPPED FOOTING DETAIL  
SCALE: N.T.S.

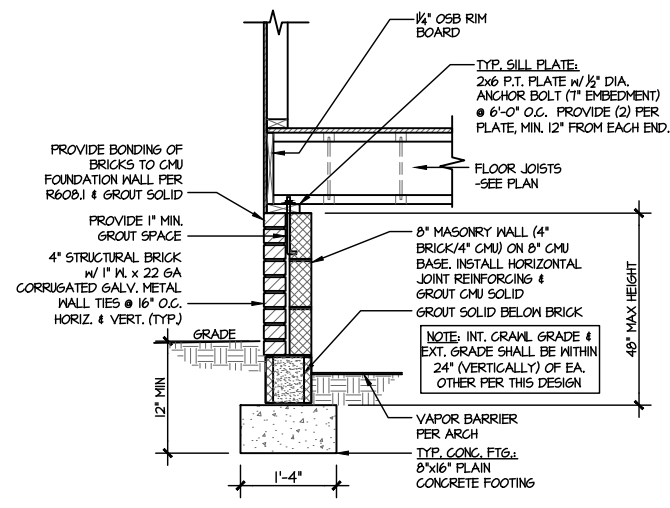


**C** TYPICAL CMU FOUNDATION HOLD-DOWN INSTALLATION  
SCALE: 3/8"=1'-0" (CORNER SHOWN - APPLICABLE TO ALL CONDITIONS)



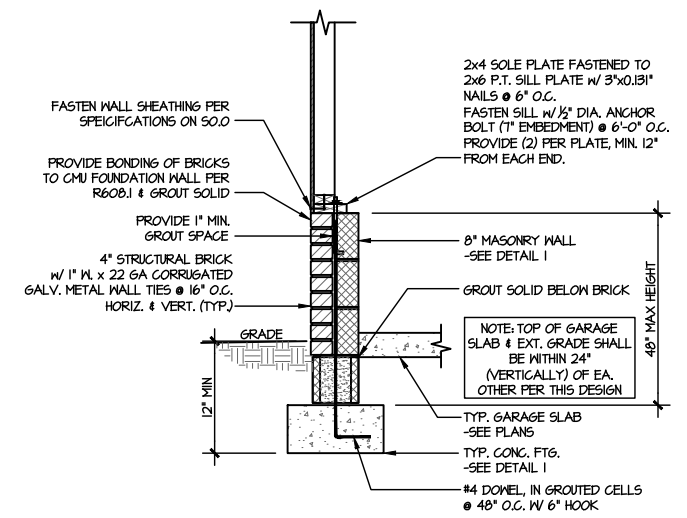


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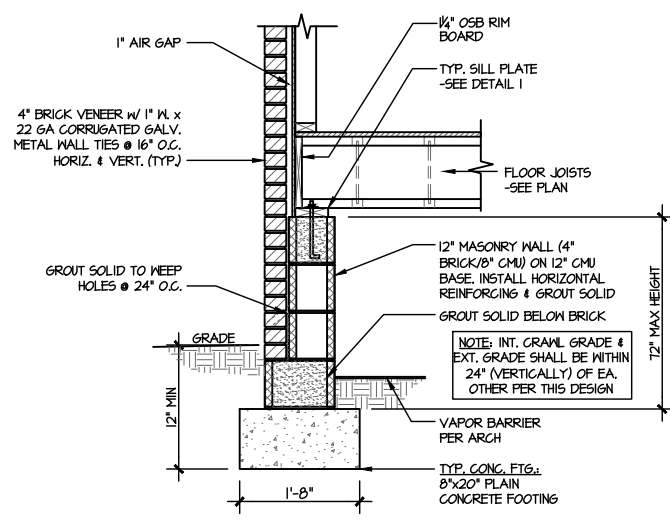
**1** TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"  
W/ BRICK WATERTABLE

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



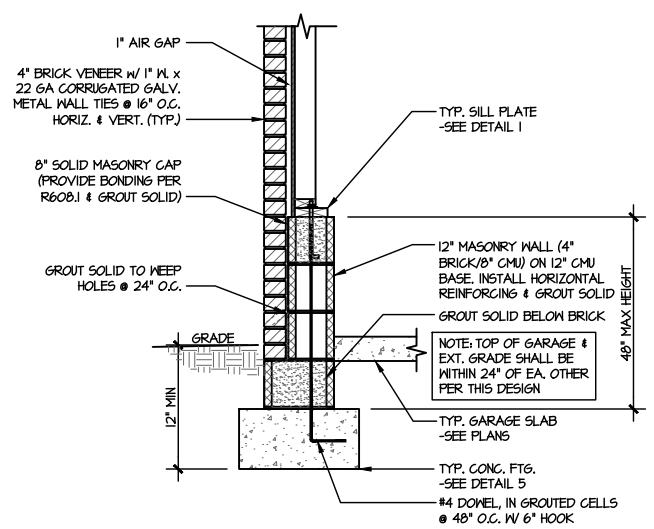
**3** TYPICAL CRAWLSPACE FOUNDATION  
@ EXTERIOR GARAGE WALL  
SCALE: 3/8"=1'-0"  
W/ BRICK WATERTABLE

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



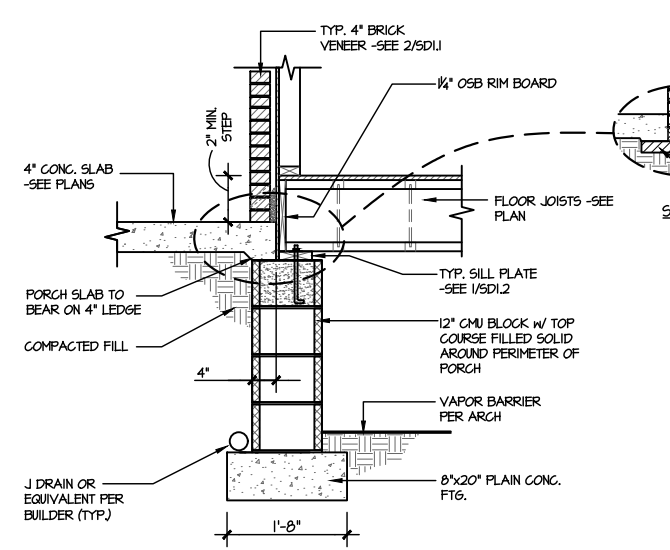
**5** TYPICAL CRAWLSPACE FOUNDATION  
SCALE: 3/8"=1'-0"  
W/ FULL BRICK VENEER

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

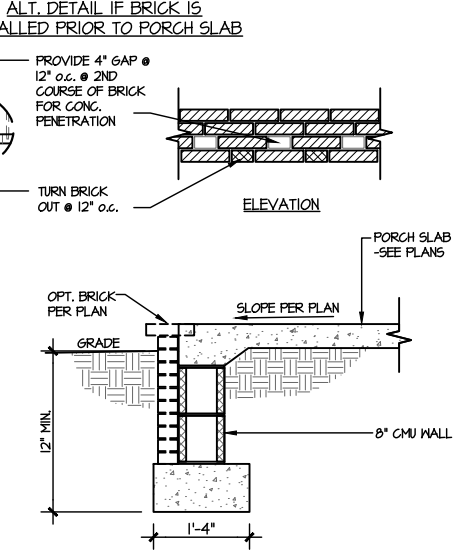


**7** TYPICAL CRAWLSPACE FOUNDATION  
@ EXTERIOR GARAGE WALL  
SCALE: 3/8"=1'-0"  
W/ FULL BRICK VENEER

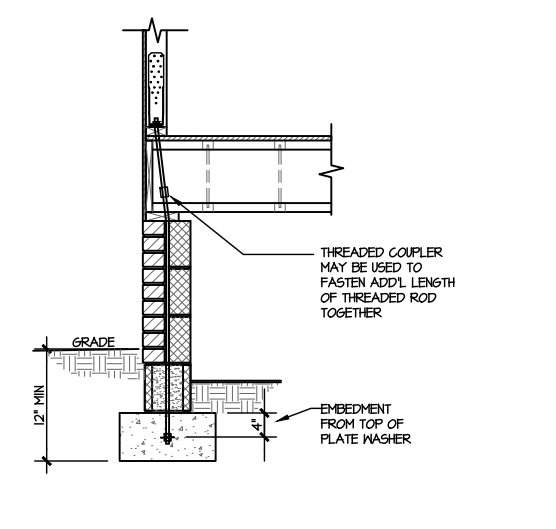
**8** NOT USED  
SCALE: 3/8"=1'-0"



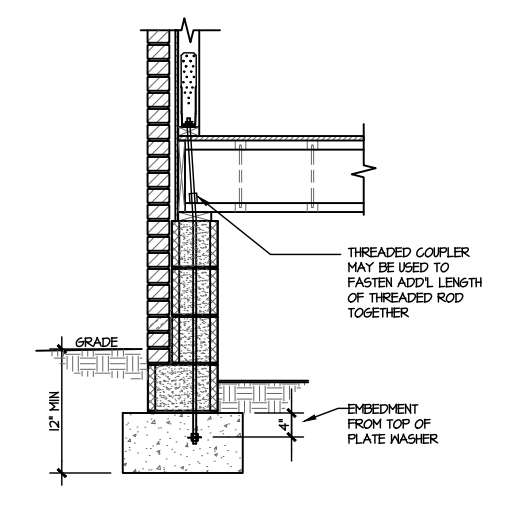
**9** TYPICAL CRAWLSPACE FOUNDATION  
@ PORCH/PATIO SLAB  
SCALE: 3/8"=1'-0"  
W/ BRICK VENEER



**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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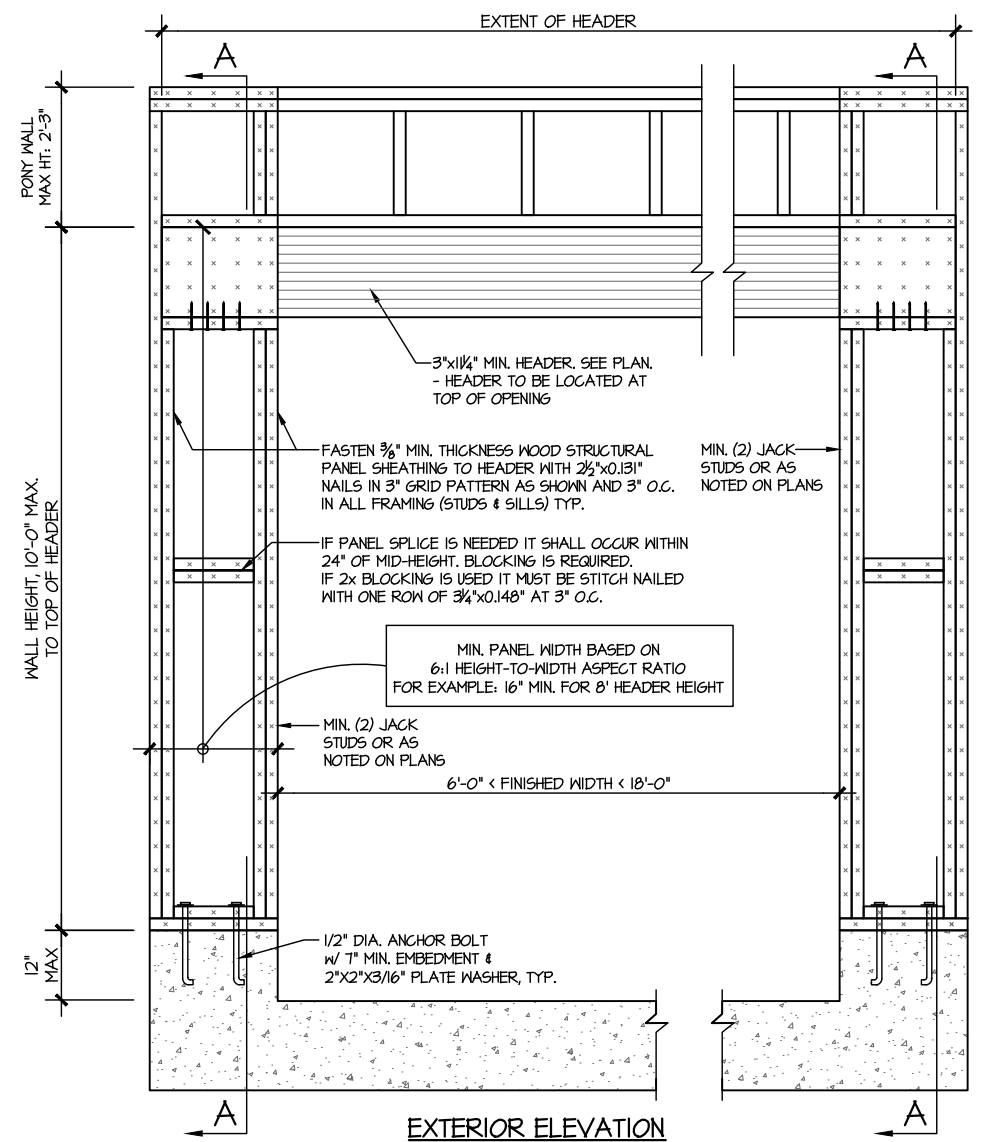


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date: initial:  
ARCH: v.02.01.00.00

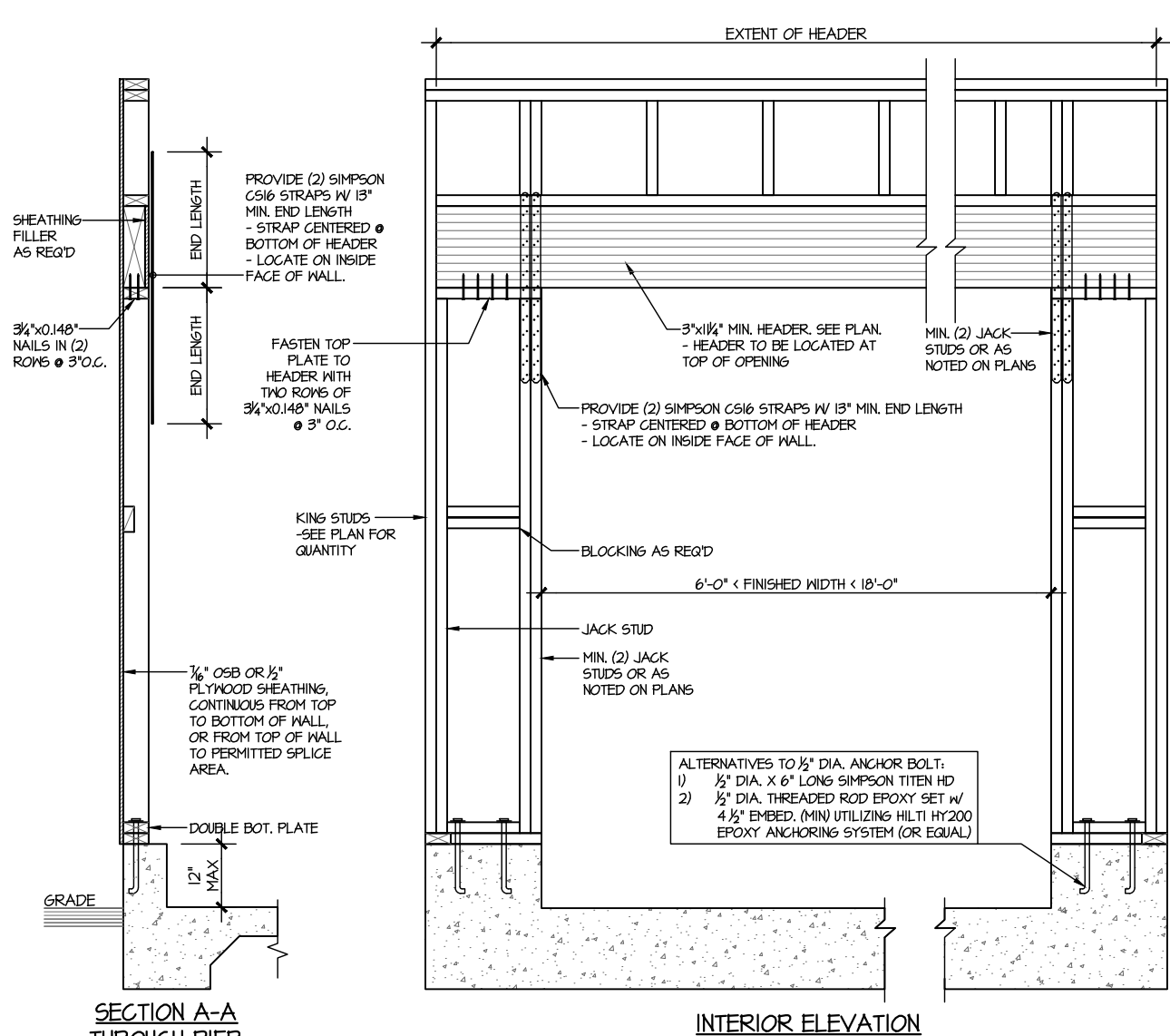


STRUCTURAL DETAILS  
McDOWELL  
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: SW-2

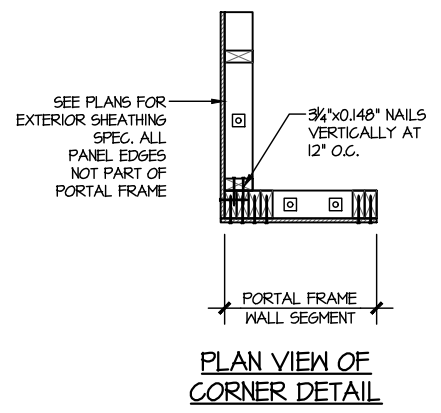


EXTERIOR ELEVATION

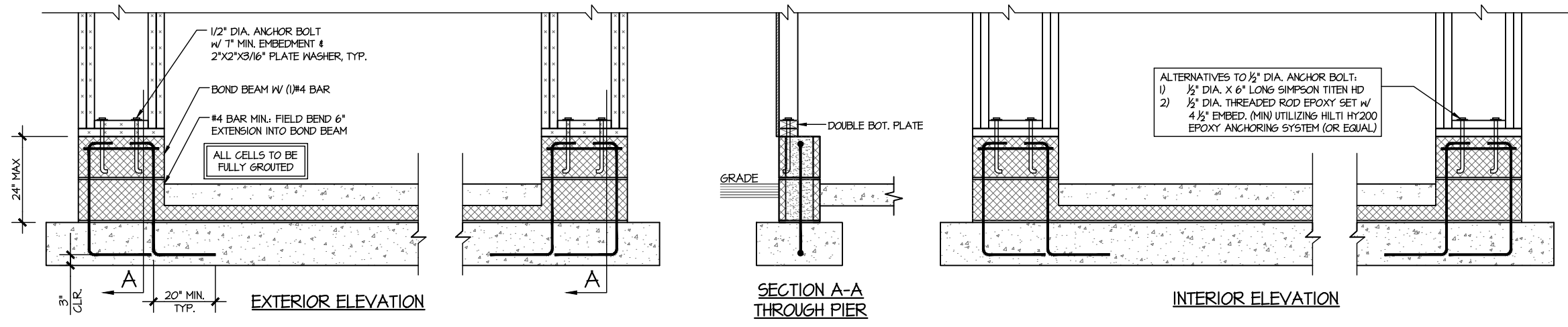


SECTION A-A THROUGH PIER  
MONOSLAB FOUNDATION

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



PLAN VIEW OF CORNER DETAIL

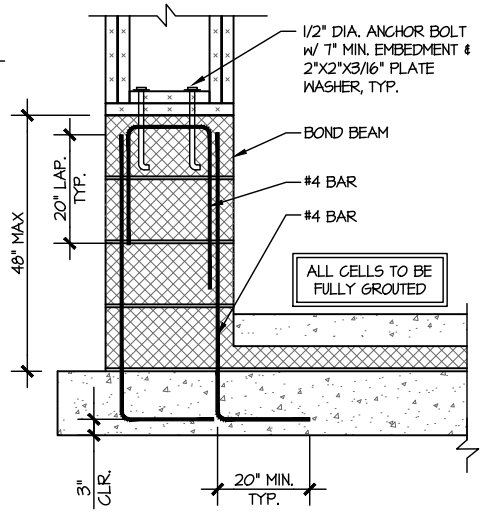


EXTERIOR ELEVATION

SECTION A-A THROUGH PIER

INTERIOR ELEVATION

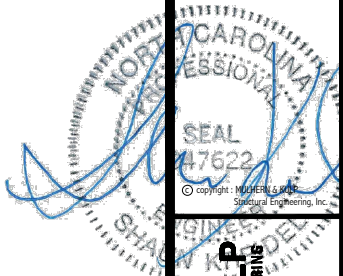
RAISED SLAB FOUNDATION



STEM ≤ 48" TALL

PORTAL FRAME DETAIL  
SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR  
1 KING STUD & RETURN WALLS



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project mgr: SMK  
drawn by: MRG  
issue date: 03-24-22

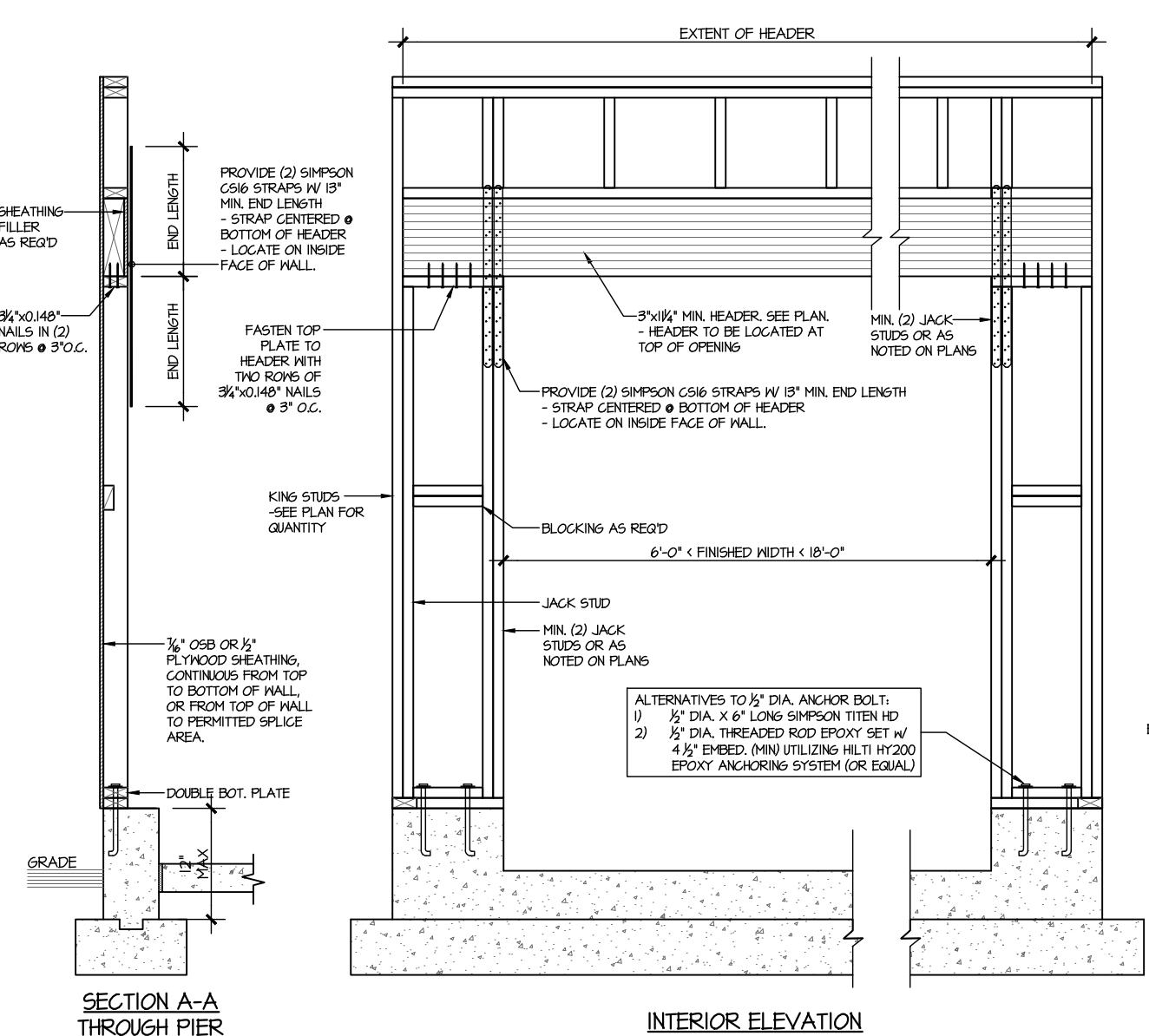
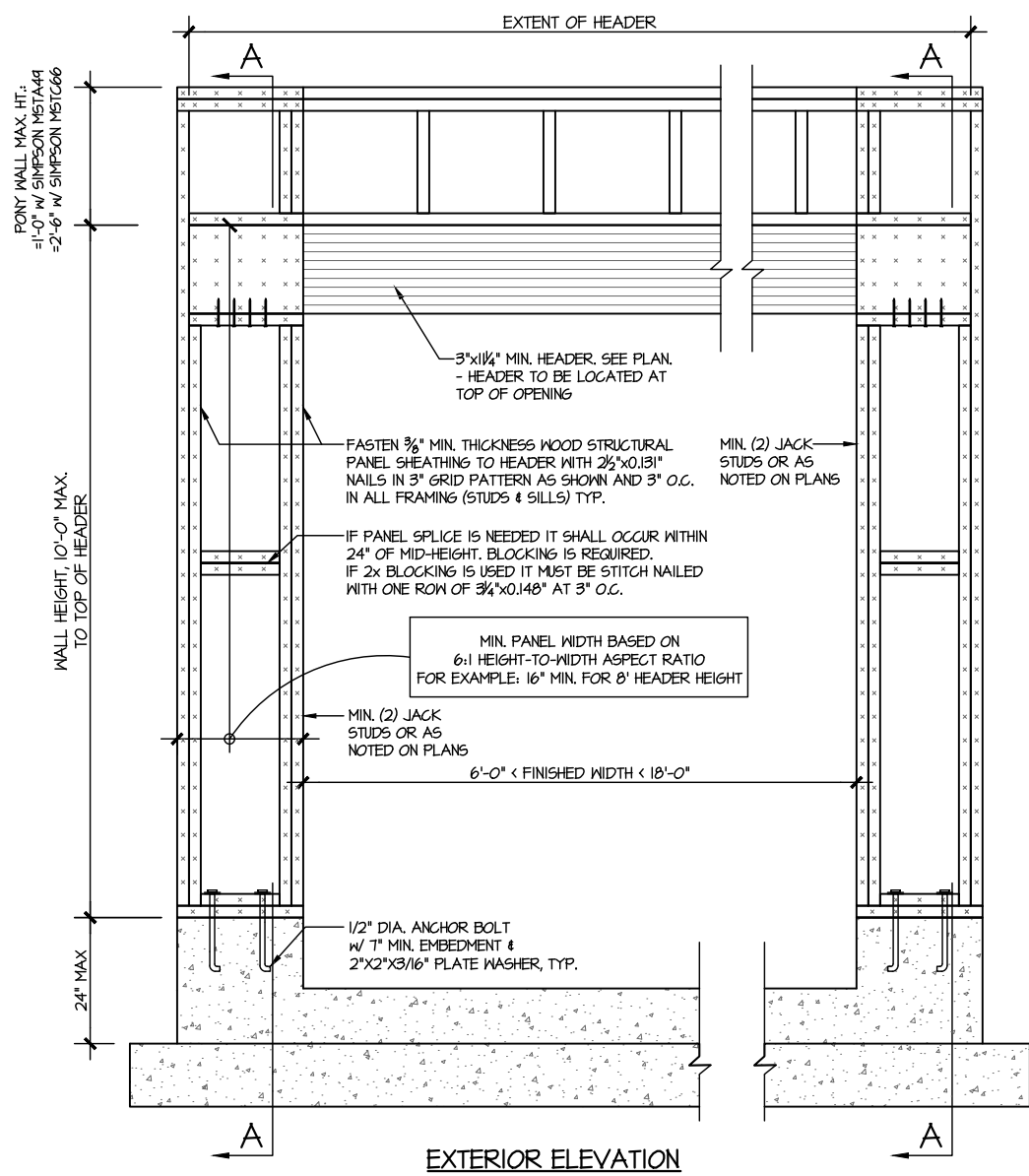
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date: initial:

ARCH: v.02.01.00.00

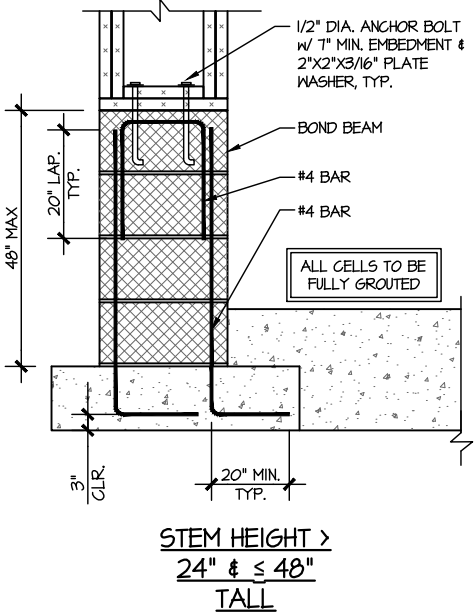
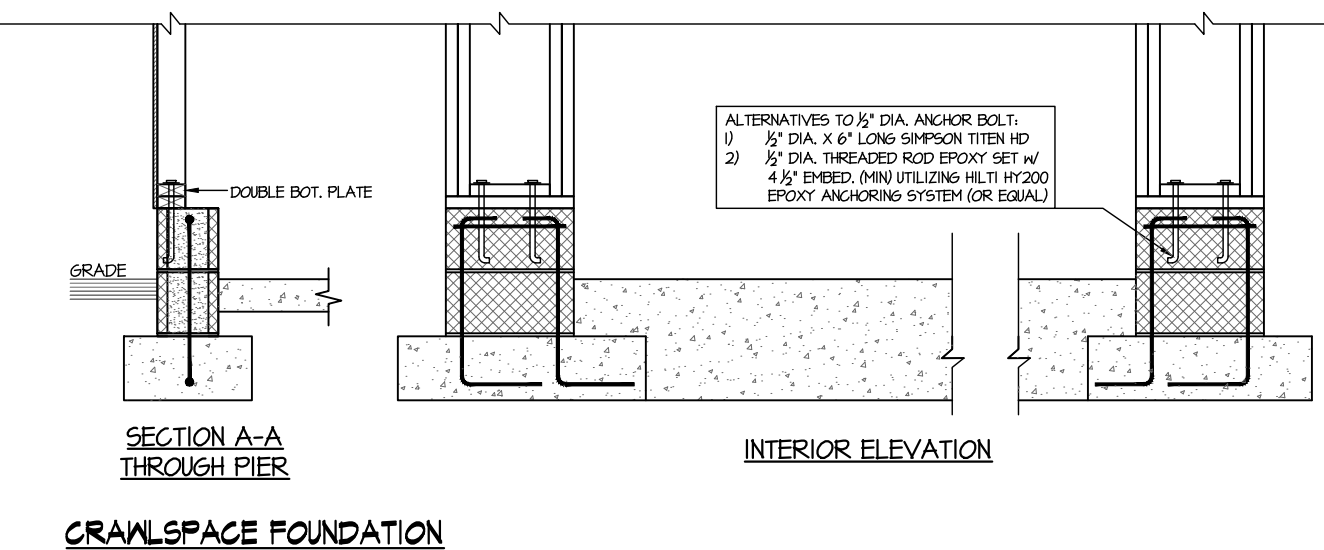
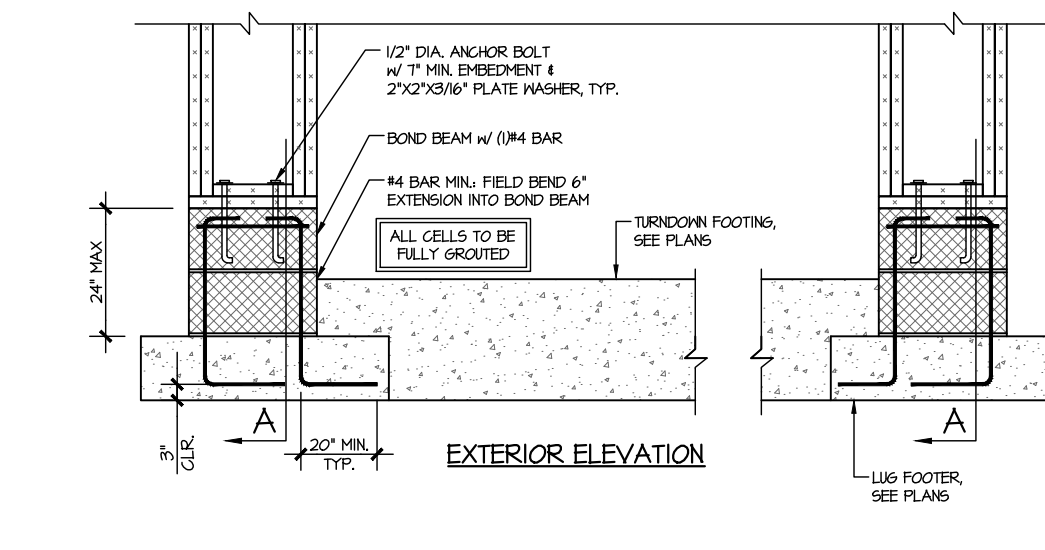
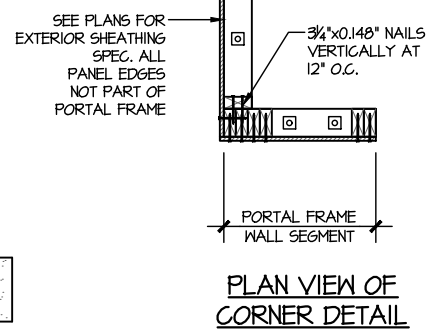


STRUCTURAL DETAILS  
McDOWELL  
WIND SPEED < 115 MPH NORTH CAROLINA

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)

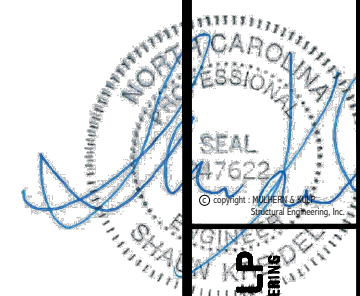


PORTAL FRAME DETAIL  
SCALE: N.T.S.

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  
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issue date: 03-24-22

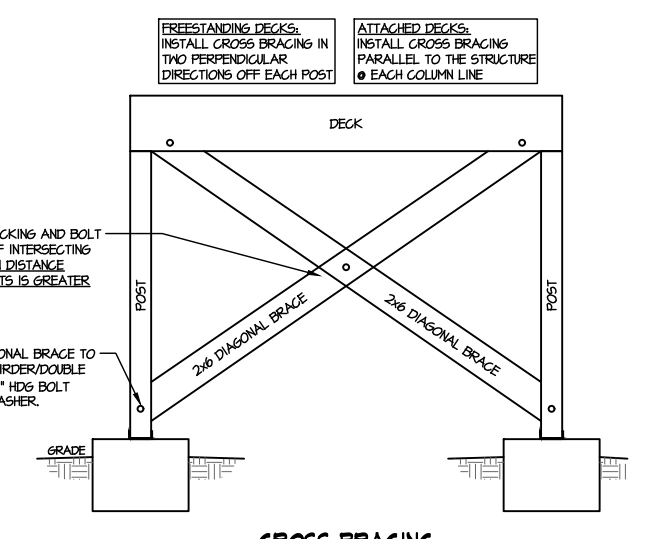
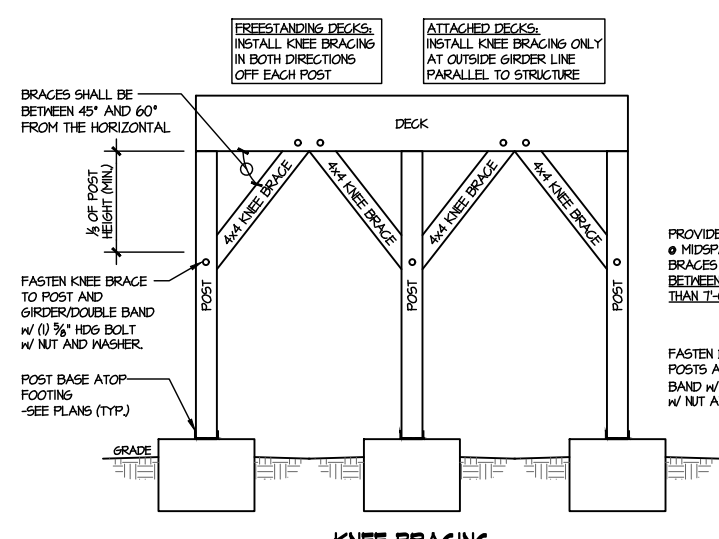
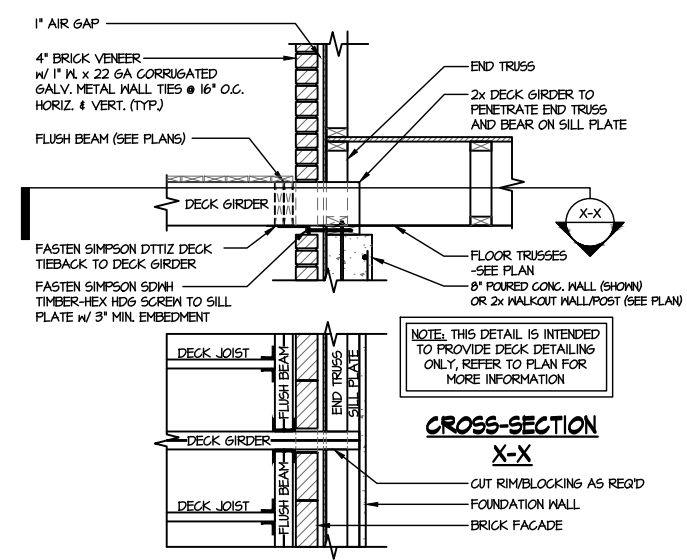
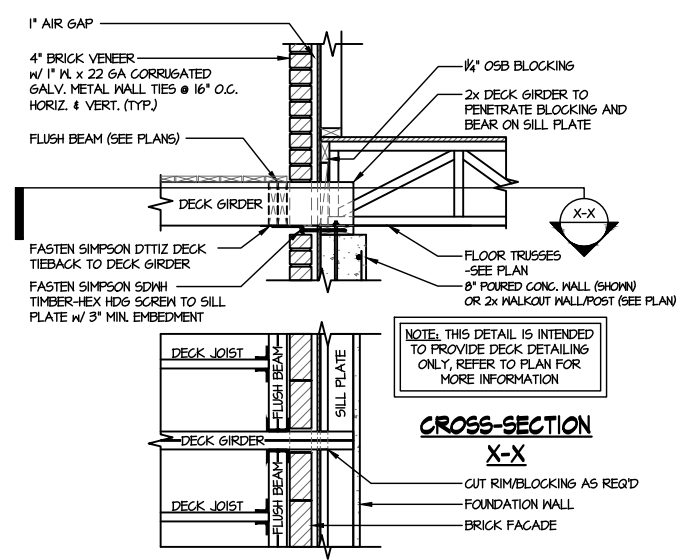
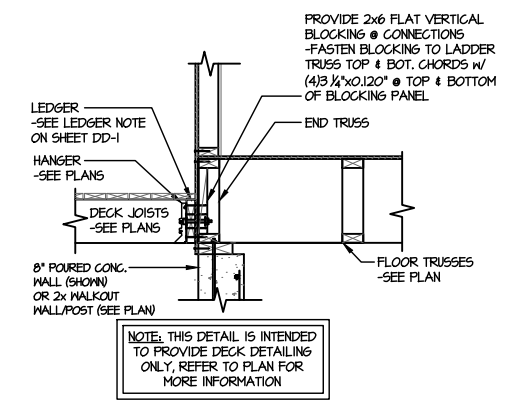
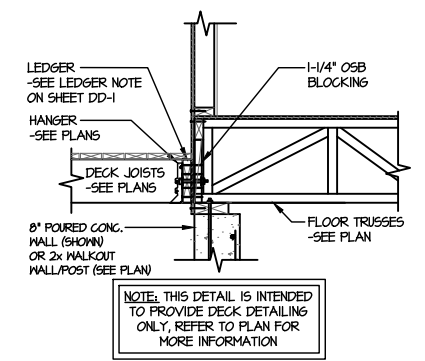
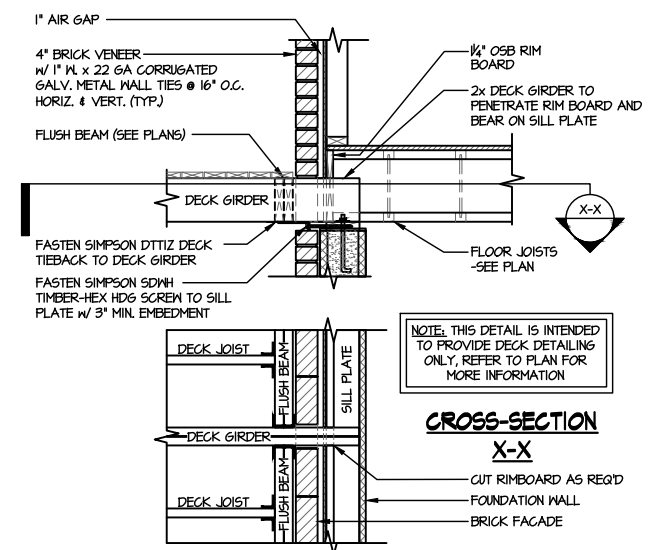
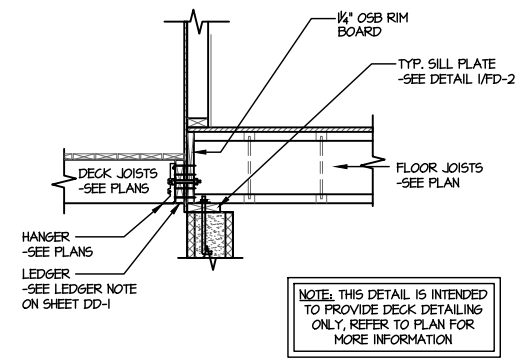
REVISIONS:  
date: initial:

ARCH: v.02.01.00.00



FOUNDATION DETAILS  
McDOWELL  
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: DD-1

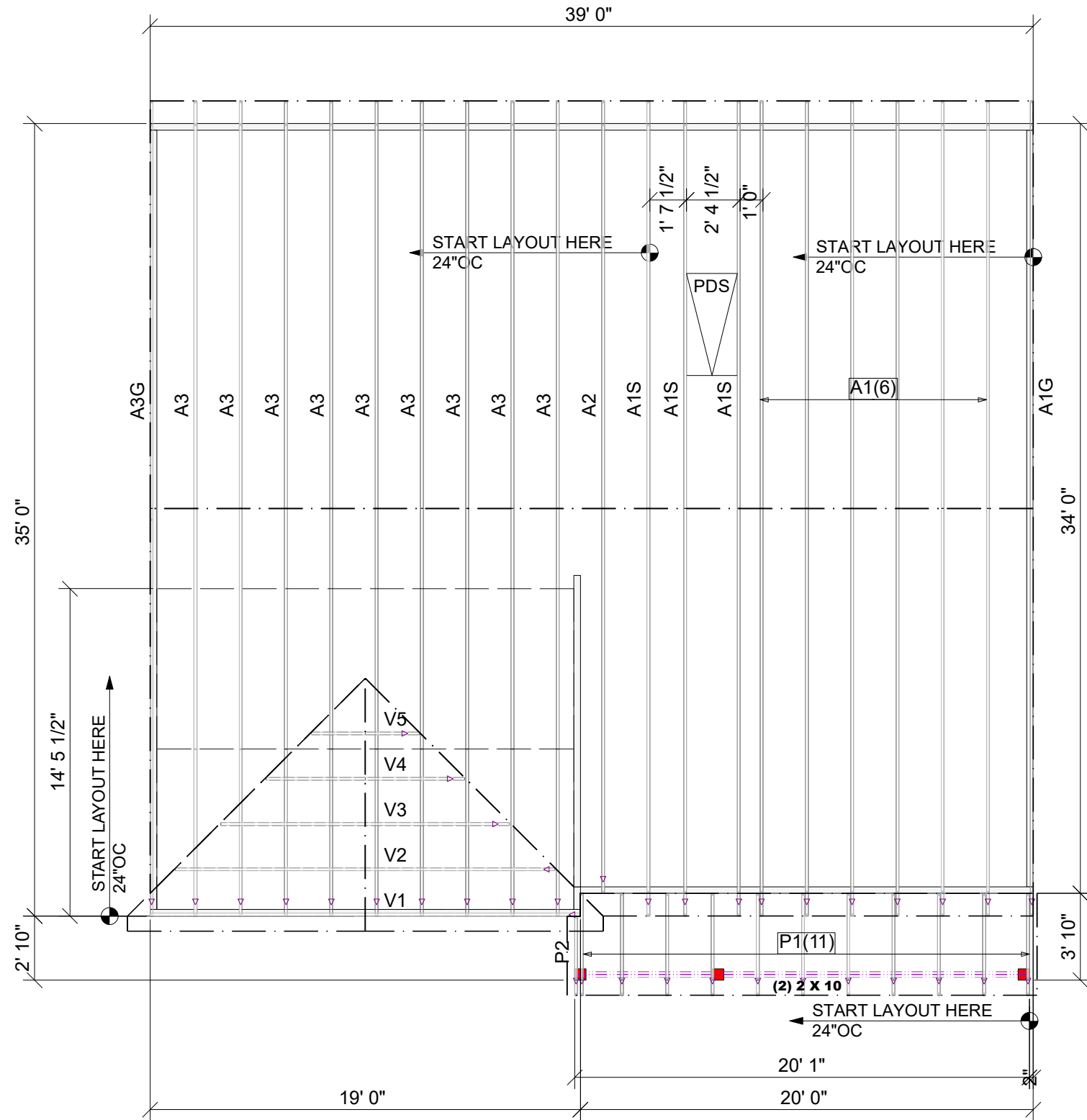


**A TYPICAL LATERAL BRACING DETAILS FOR DECKS GREATER THAN 4' HIGH**  
SCALE: 1/8"

# 72436854 7 LANGDON PRESERVE

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.

## 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

**ROOF AREA:** 1637.23 ft<sup>2</sup> sqft    **RIDGE LINE:** 50.17 ft    **VALLEY LINES:** 30.96 ft    **HIP LINES:** 0 ft    **THESE VALUES ARE APPROXIMATE ONLY**

**REVISIONS**

DATE	DESCRIPTION	DSN

DESIGNER LJP  
 LAYOUT DATE 11/14/2024  
 ARCH DATE -  
 STRUC DATE -

**MCDOWELL B RF**    **MUNGO HOMES**

**TRUSS TRAX**    **UFP SITE BUILT**  
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 Chesapeake, VA    Liberty, NC  
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 Conway, SC    Pearisburg, VA  
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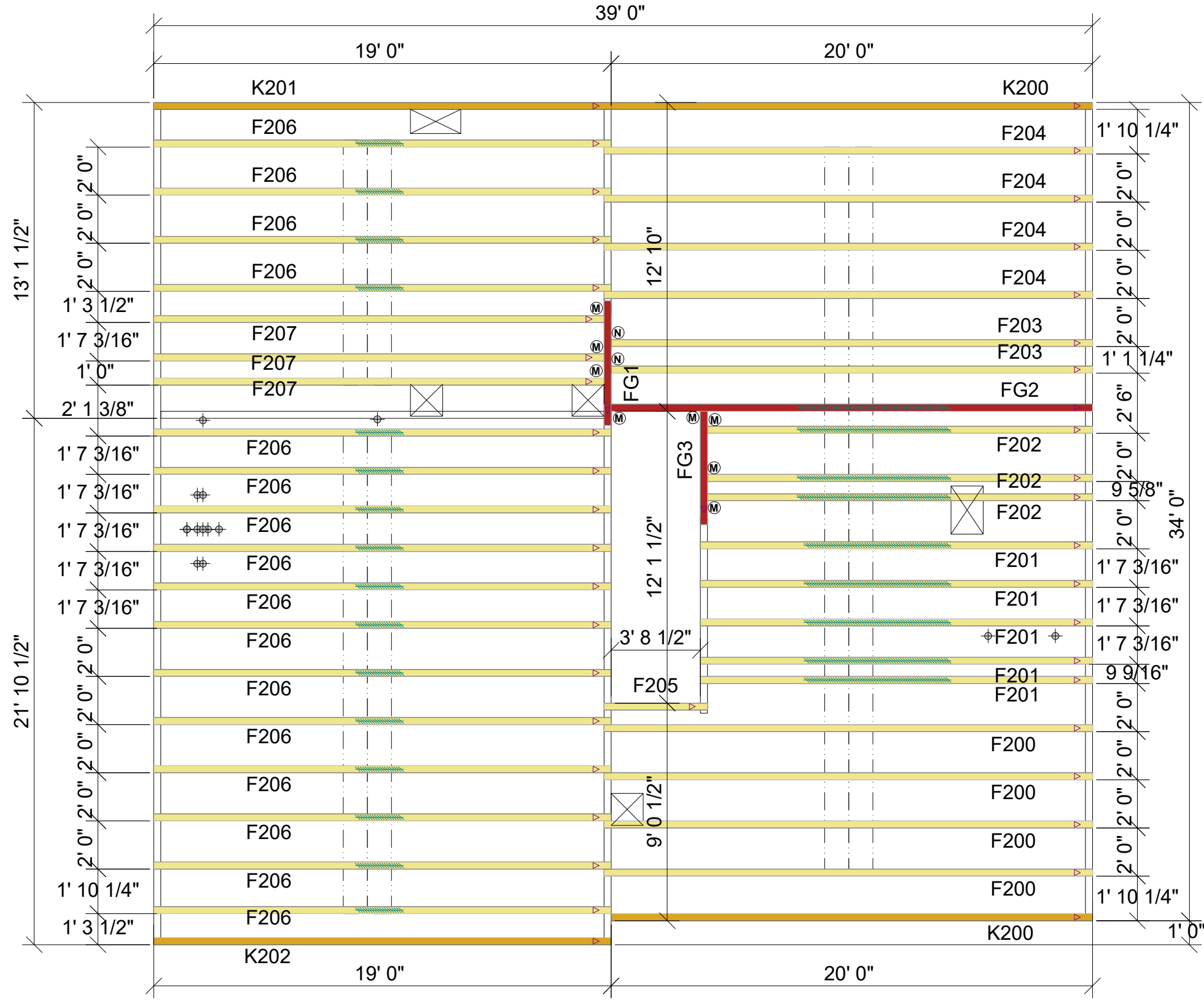
Customer Service (800) 476-9356

TrussTrax.com

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

# 72436858 7 LANGDON PRESERVE

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

**2ND FLOOR PLACEMENT PLAN**

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

<b>ROOF AREA:</b> 0 ft <sup>2</sup> sqft	<b>RIDGE LINE:</b> 0 ft	<b>VALLEY LINES:</b> 0 ft	<b>HIP LINES:</b> 0 ft	<b>THESE VALUES ARE APPROXIMATE ONLY</b>																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;"><b>MCDOWELL B 2ND FLR</b></p> </div> <div style="width: 45%; text-align: center;"> <p style="font-size: 24px; font-weight: bold;">MUNGO HOMES</p> </div> </div>																						
<p style="font-size: 12px;">REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> <th style="width: 10%;">DSN</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>					DATE	DESCRIPTION	DSN															
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<p style="font-size: 10px;">DESIGNER LJP      LAYOUT DATE 11/13/2024                  ARCH DATE -      STRUC DATE -</p>																						
<p style="font-size: 10px;">JOB #: 24110870F2</p>																						

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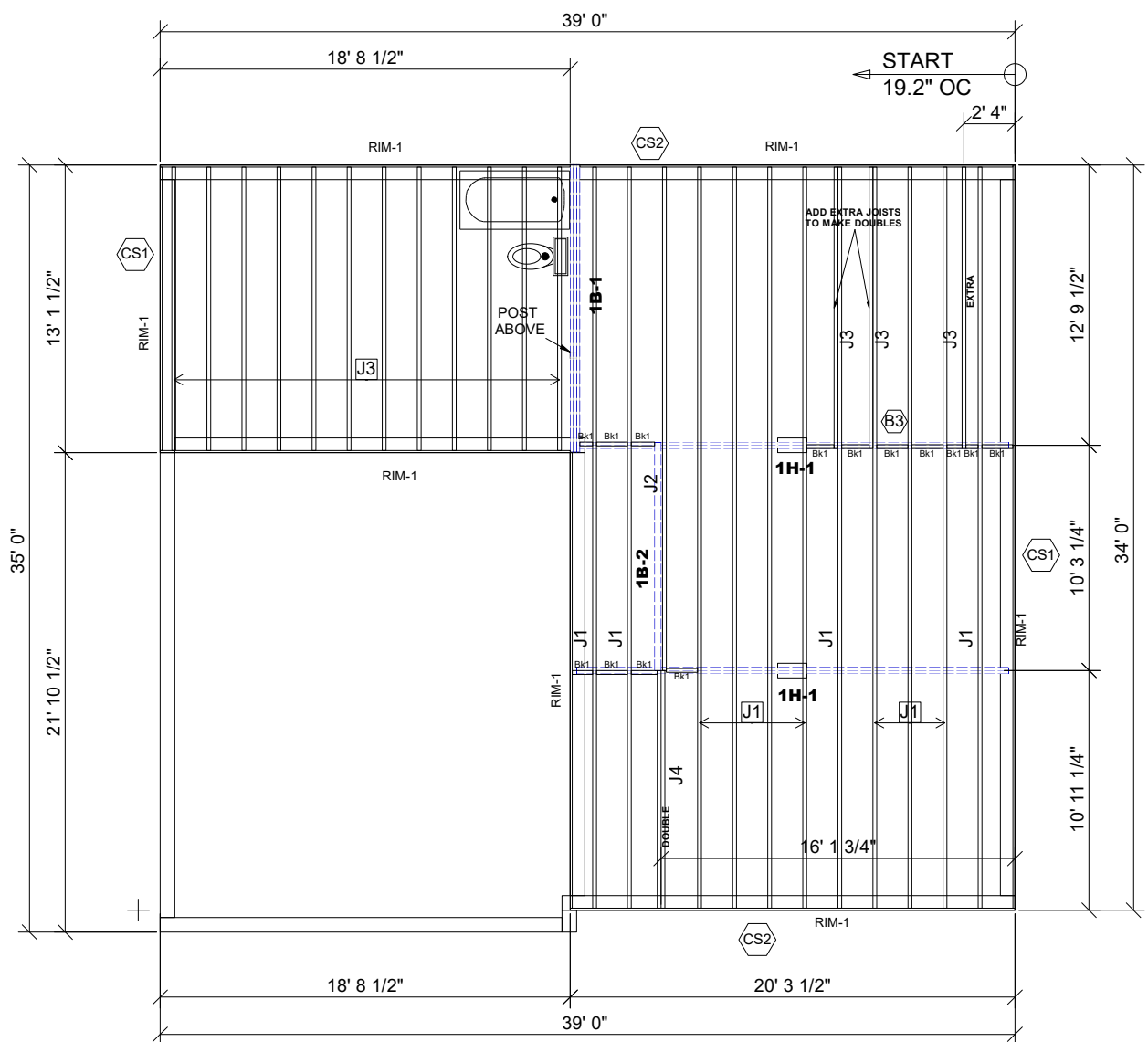
**TRUSS TRAX**  
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THIS IS AN ENGINEERED WOOD PRODUCT (EWP) MEMBER PLACEMENT DIAGRAM ONLY; NOT AN ENGINEERED DOCUMENT. EWP members are designed as individual building components to be incorporated into the building design at the specification of the 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 (ADD 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**

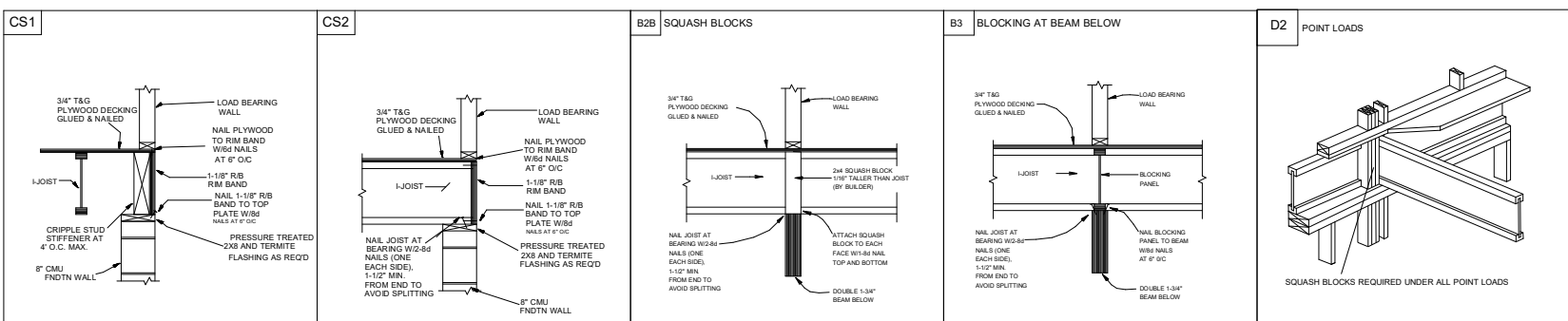
1. GLUE AND NAIL PLYWOOD SUBFLOOR TO BEAMS AND GIRDERS AT 6" O/C WHERE NO WALL IS ABOVE.
2. FILL HANGER SEAT WITH GLUE BEFORE SETTING JOIST IN HANGER. FILL ROUND HOLES WITH NAILS.

**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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**MUNGO HOMES OF NC**

**LANGDON PRESERVE**

**MCDOWELL**

**LOT 7**

**ANGIER, NC**

REVISIONS	DATE	DESCRIPTION	DSN

DESIGNER GB1  
LAYOUT DATE 12/9/24  
ARCH DATE 9/6/24  
STRUC DATE 2/19/24  
JOB #: 24111698F1