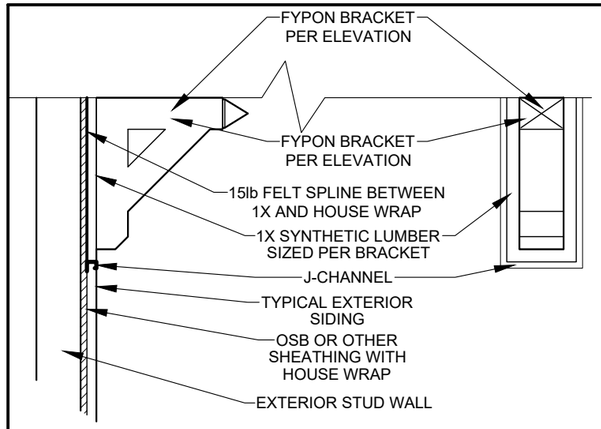
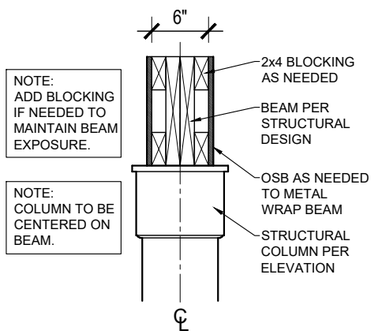
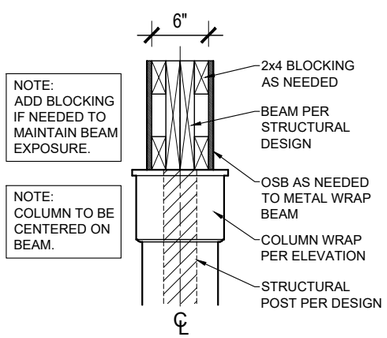


BRACKET DETAIL

1" = 1'-0"

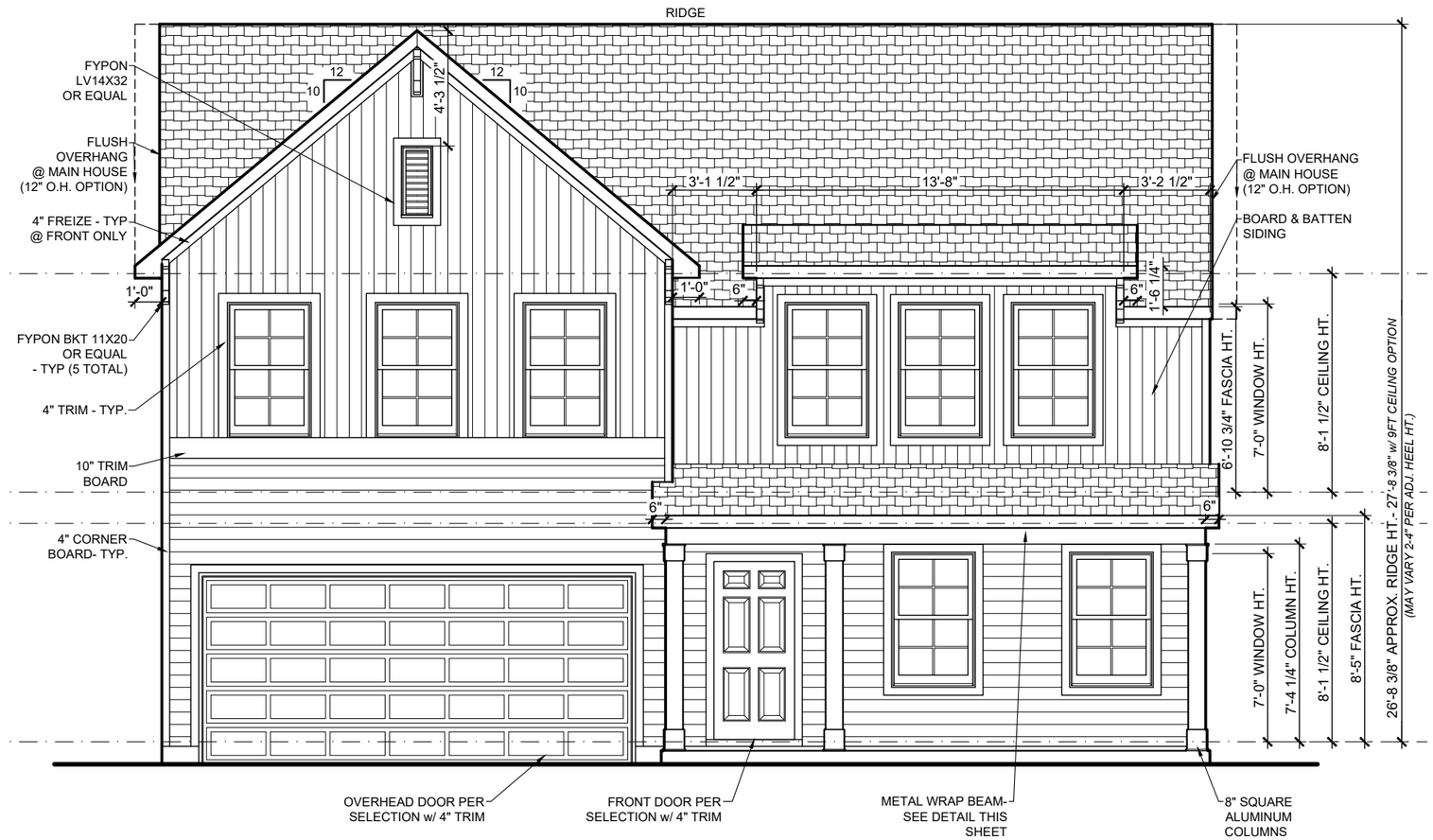


Standard Front Porch Beam Detail w/ Aluminum Column



Alternate Front Porch Beam Detail w/ 4x4 Post & Wrap

3/4" = 1'-0"



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.

LISTS OF DRAWINGS

A1	**Base Front Elevation**	**A2**	**Base Side & Rear Elevations**	**B1**	**First Floor Plan**	**E1**	**First Floor Electrical**
A1b	Front w/ 3rd Car Garage Opt	A2b	Elevations w/ 3rd Car Garage Opt.	**B2**	**Second Floor Plan**	**E2**	**Second Floor Electrical**
AA-1	Front w/ Brick/Stone Opt.	A3	Elevations w/ Covered Porch Opt.	**B3**	**Foundation Information Sheet**		
		A-R1	**Roof Plan**	B4	3rd Car Garage Option		

D Square Footages:

1st Floor	935
2nd Floor	1320
Garage	429
Front Porch	101
~~Covered Porch Option~~	~~100~~
~~3rd Car Garage Option~~	~~220~~

2255

16 CBR

McDowell D

Genesis Series
v.05.03.00.00

GARAGE LEFT

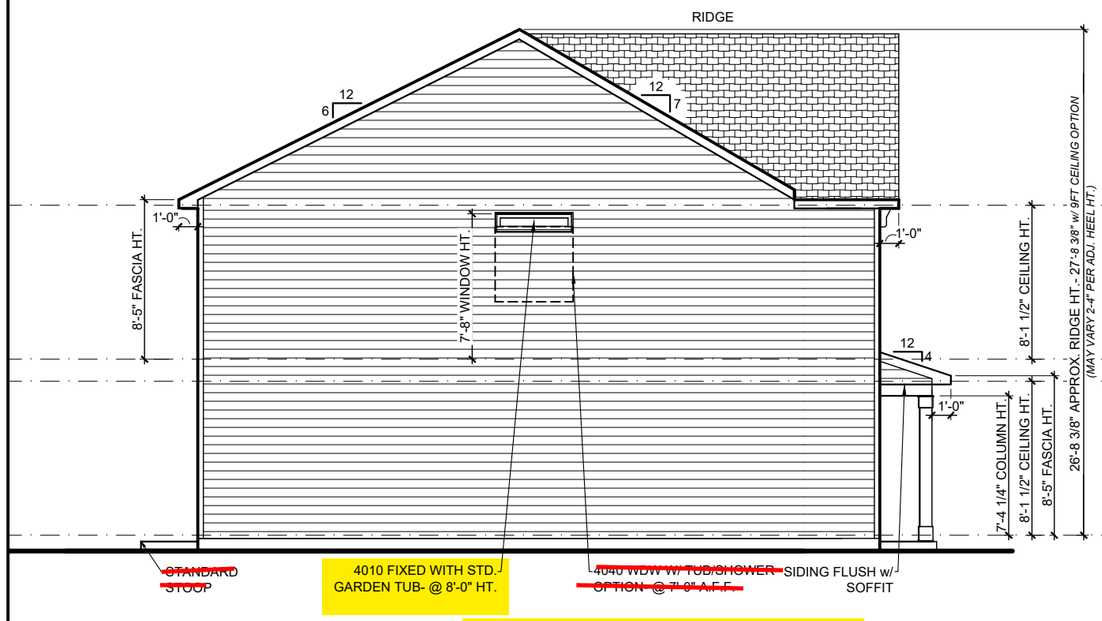
Features:

Drawn By:ATW

Rev By:cja am SH EB

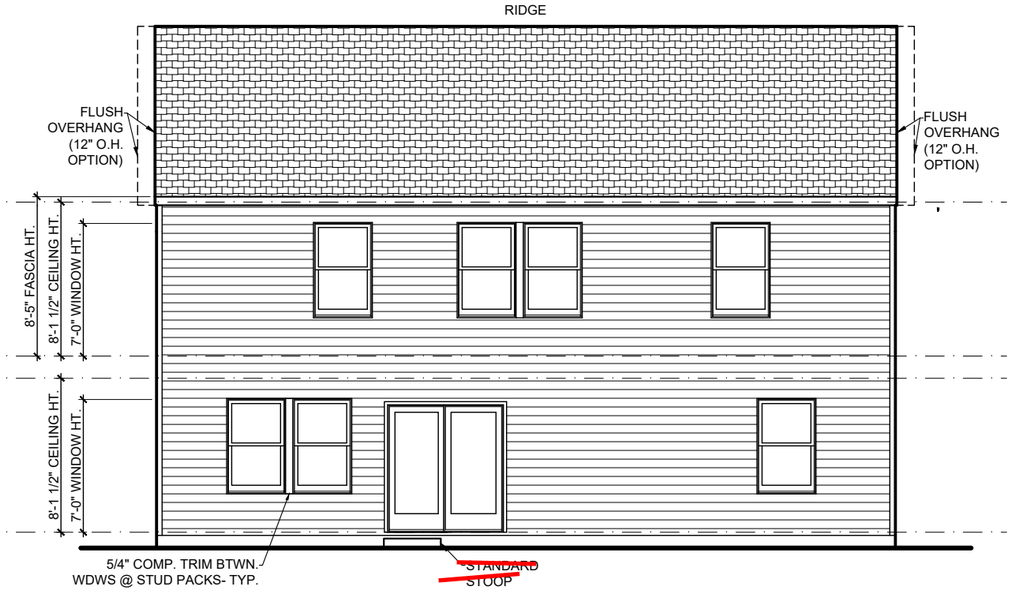
Date: 12/2/2024

A1



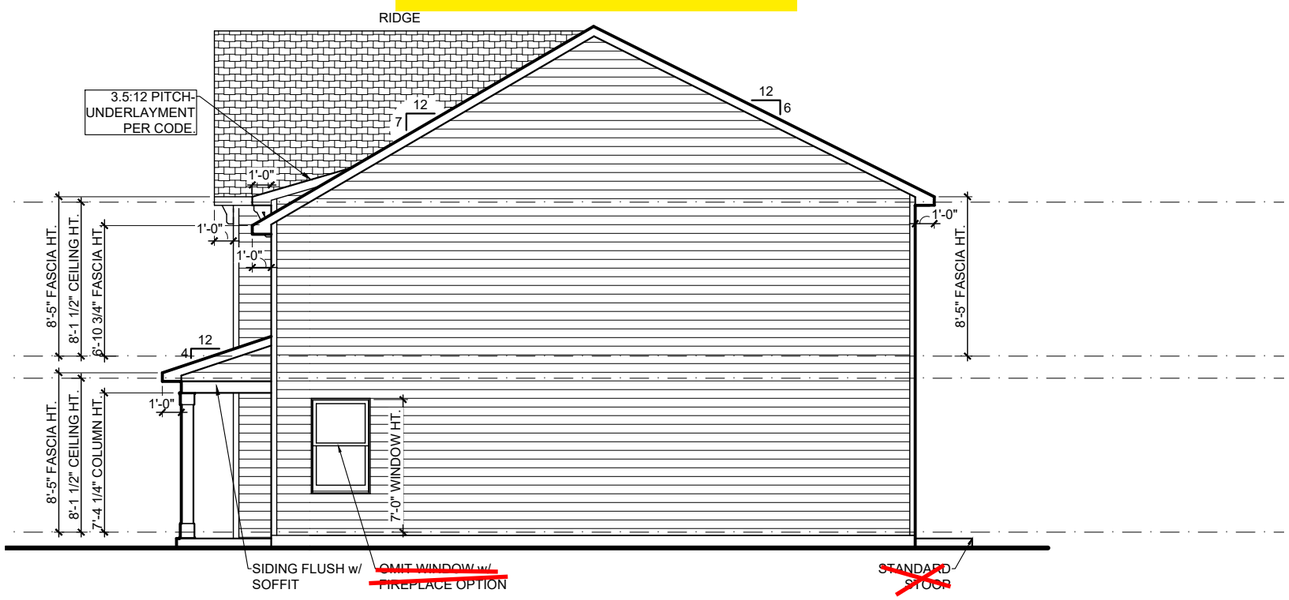
LEFT ELEVATION

1/8" = 1'-0"



REAR ELEVATION

1/8" = 1'-0"



RIGHT 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.

EST. 1954 MH MUNGO HOMES

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

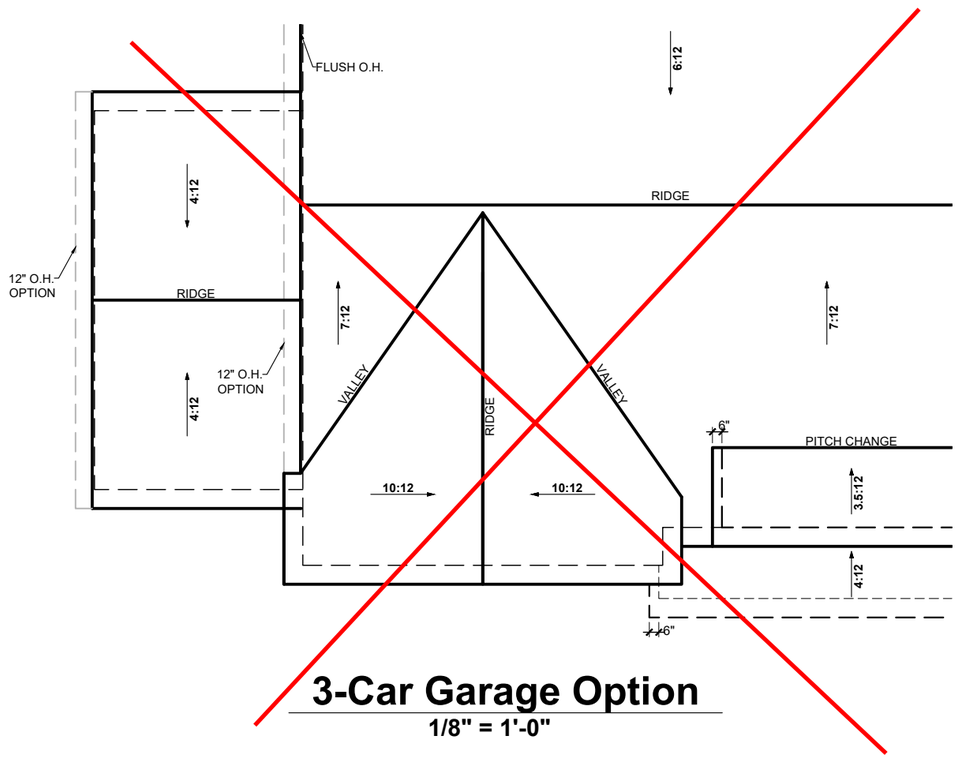
Genesis Series
v.05.03.00.00
GARAGE LEFT

Features:

Drawn By:ATW
Rev By:cja am SH EB
Date: 12/2/2024

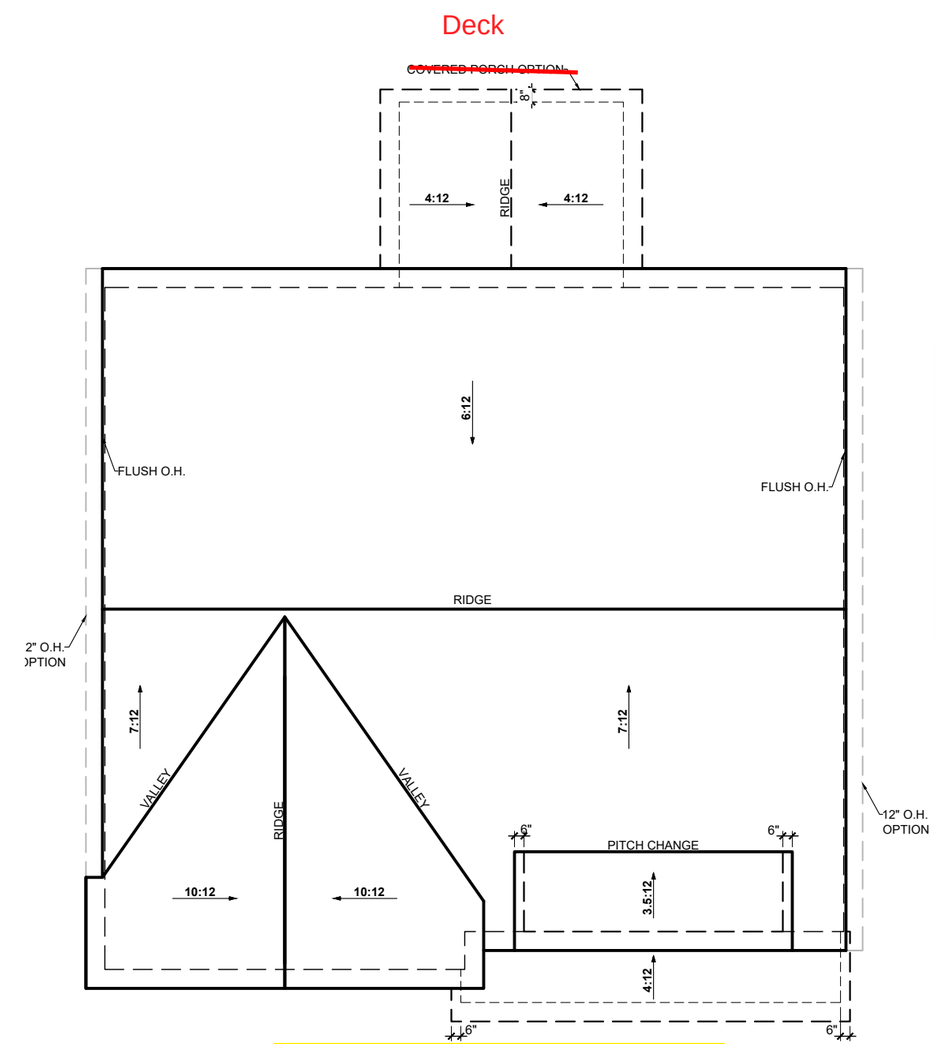
A2

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



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

D Square Footages:

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

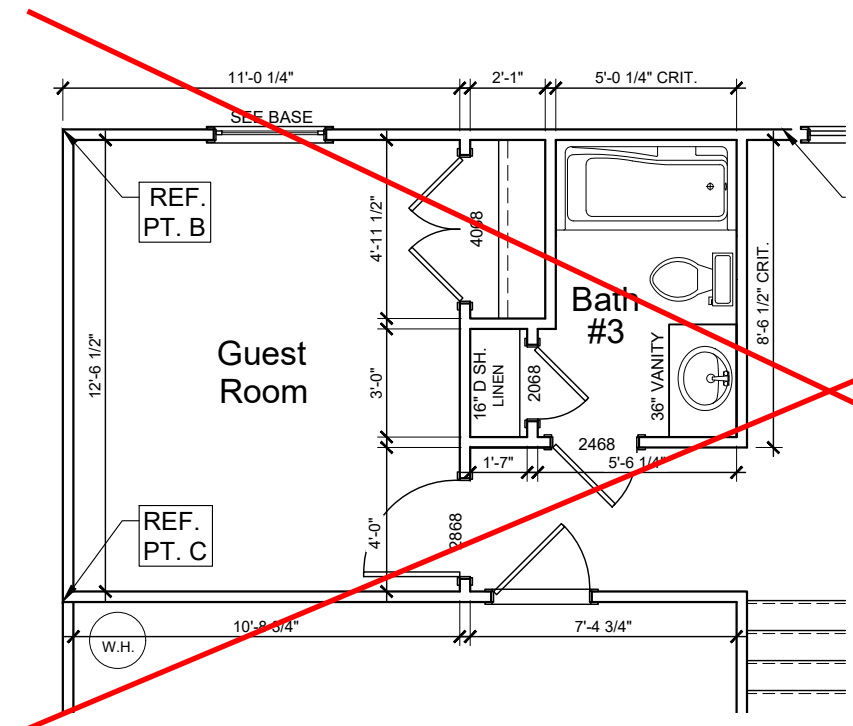
McDowell D

Genesis Series
v.05.03.00.00
GARAGE LEFT

Features:

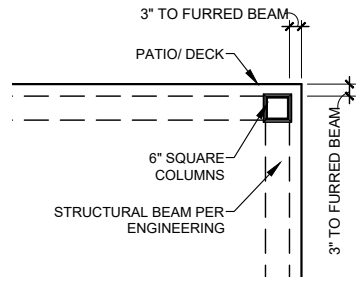
Drawn By:ATW
Rev By:cja am SH EB
Date: 12/2/2024

A-R 1



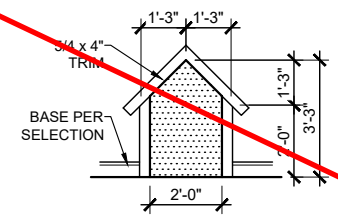
Guest Suite Option

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

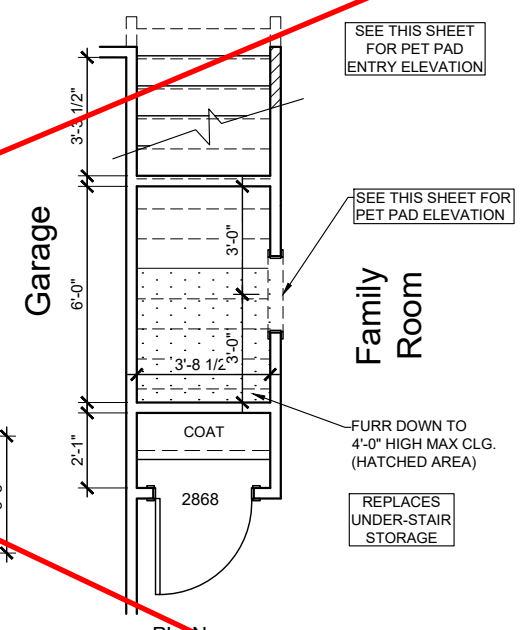


COVERED PORCH OPTION INFORMATION

1/4" = 1'-0"



ENTRY ELEVATION

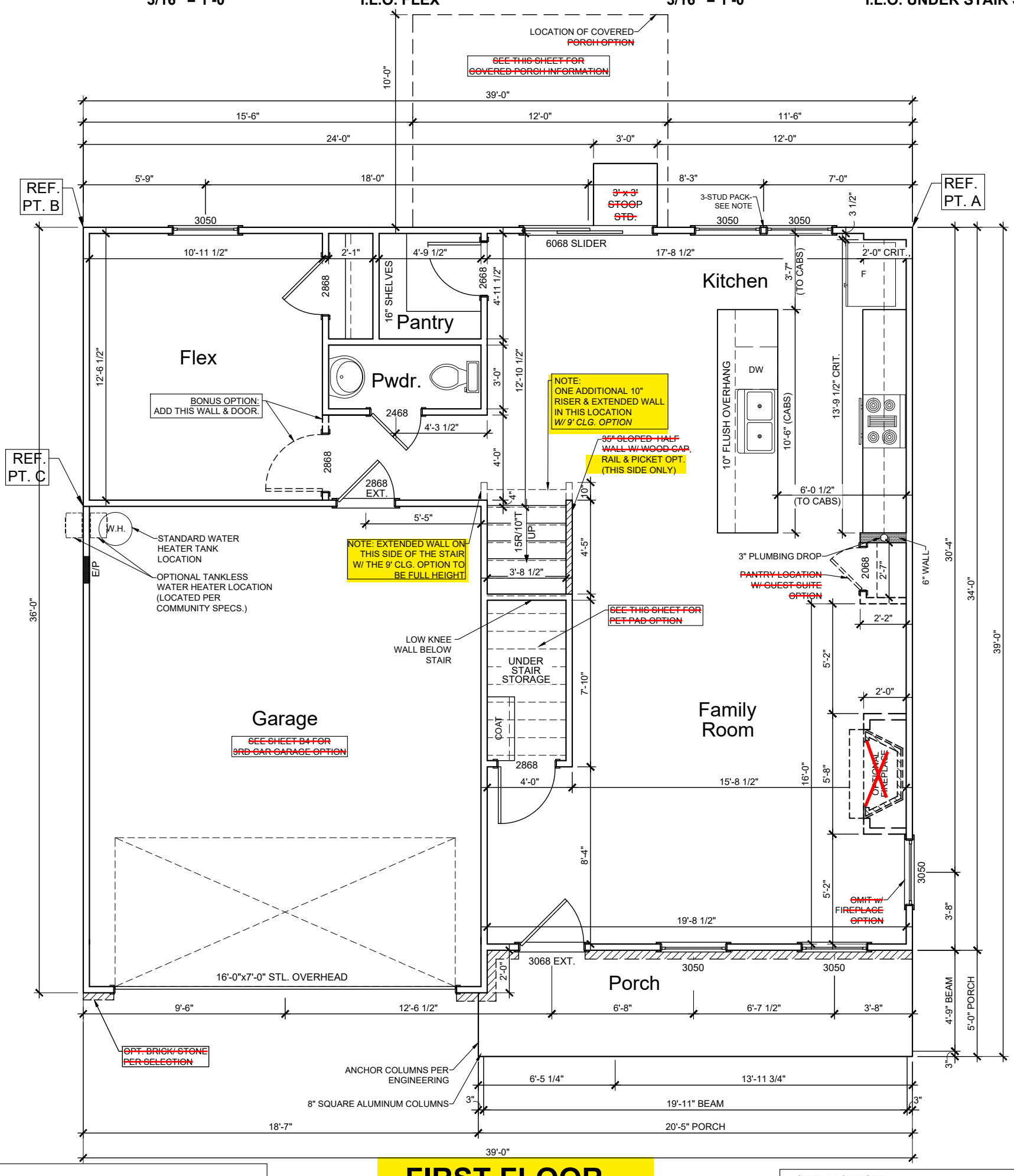


PLAN

Pet Pad Option

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

Deck



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: 12/2/2024

McDowell D

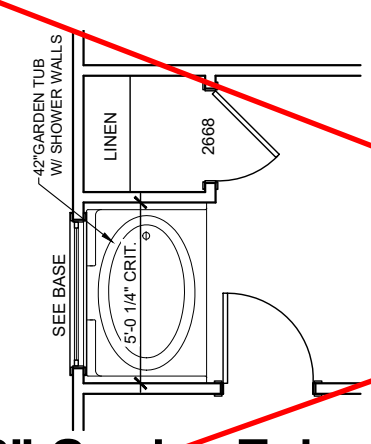
Genesis Series
v.05.03.00.00
GARAGE LEFT

D Square Footages:

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

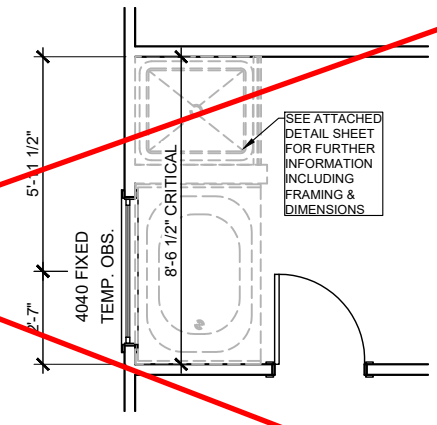
EST. 1954 MH MUNGO HOMES

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.



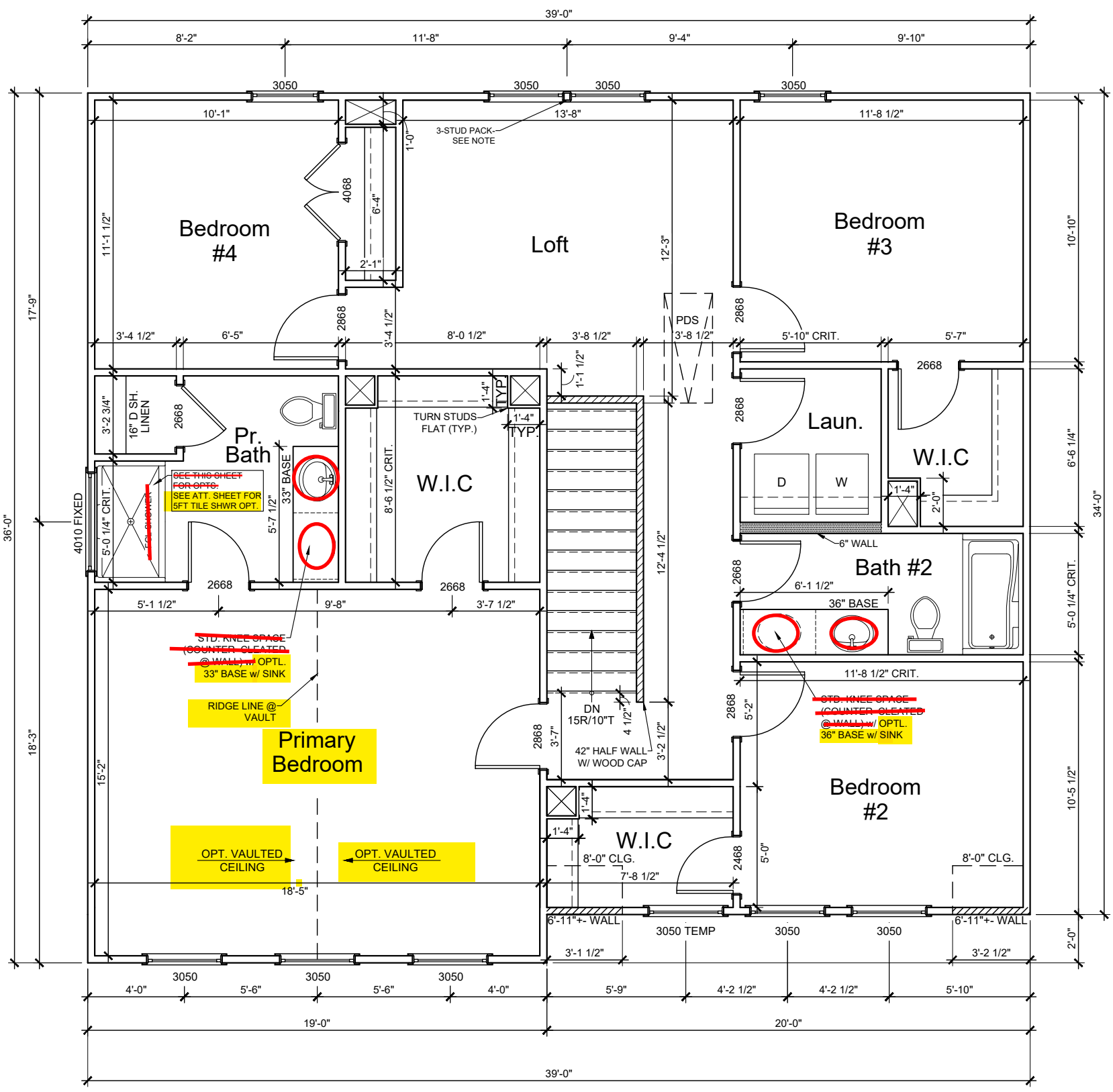
42" Garden Tub w/ Shower Walls Option

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 am SH EB

Date: 12/2/2024

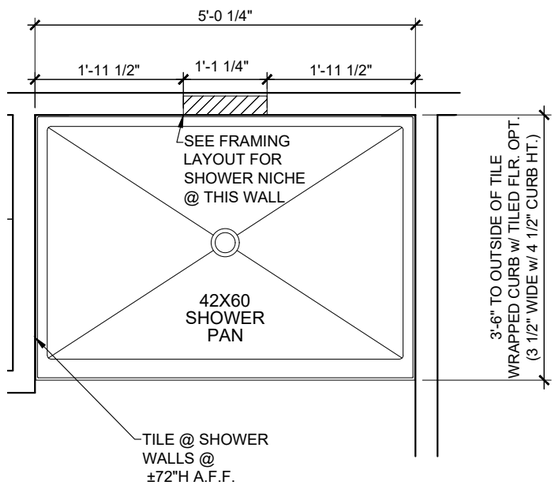
McDowell D

Genesis Series
v.05.03.00.00
GARAGE LEFT

D Square Footages:

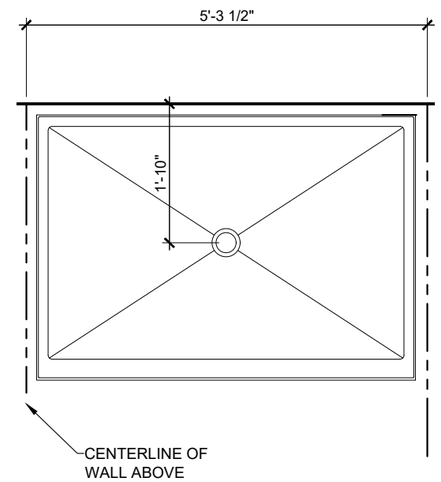
1st Floor	935
2nd Floor	1320
Garage	429
Front Porch	101
Covered Porch Option	120
3rd Car Garage Option	220

EST. 1954 MH MUNGO HOMES



FLOOR PLAN

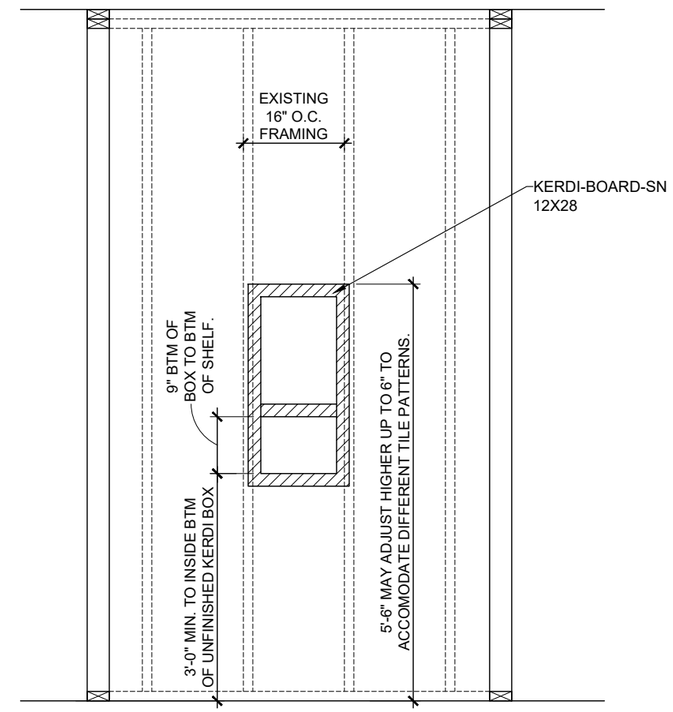
SCALE: 1/2" = 1'-0"



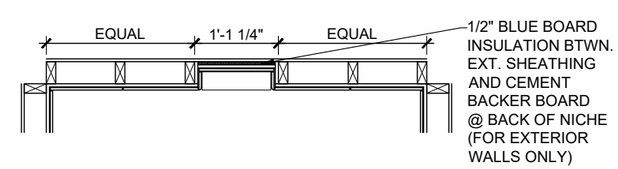
FOUNDATION INFORMATION

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

NOTE: THIS DETAIL IS NOT PLAN SPECIFIC, BUT SHOULD MATCH THE SHOWER ORIENTATION ON EACH PLAN SET.



ELEVATION VIEW



PLAN VIEW

KERDI SHOWER NICHE DETAIL

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

MUNGO HOMES EST. 1954

PRIMARY BATH
5' TILE SHOWER ONLY OPTION (42x60)

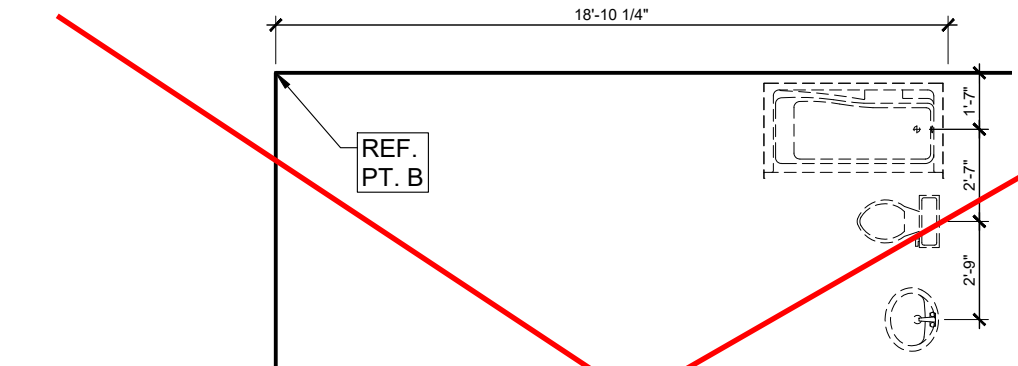
SCALE: 1/2" = 1'-0"

Drawn By: KBM

Rev By: AM

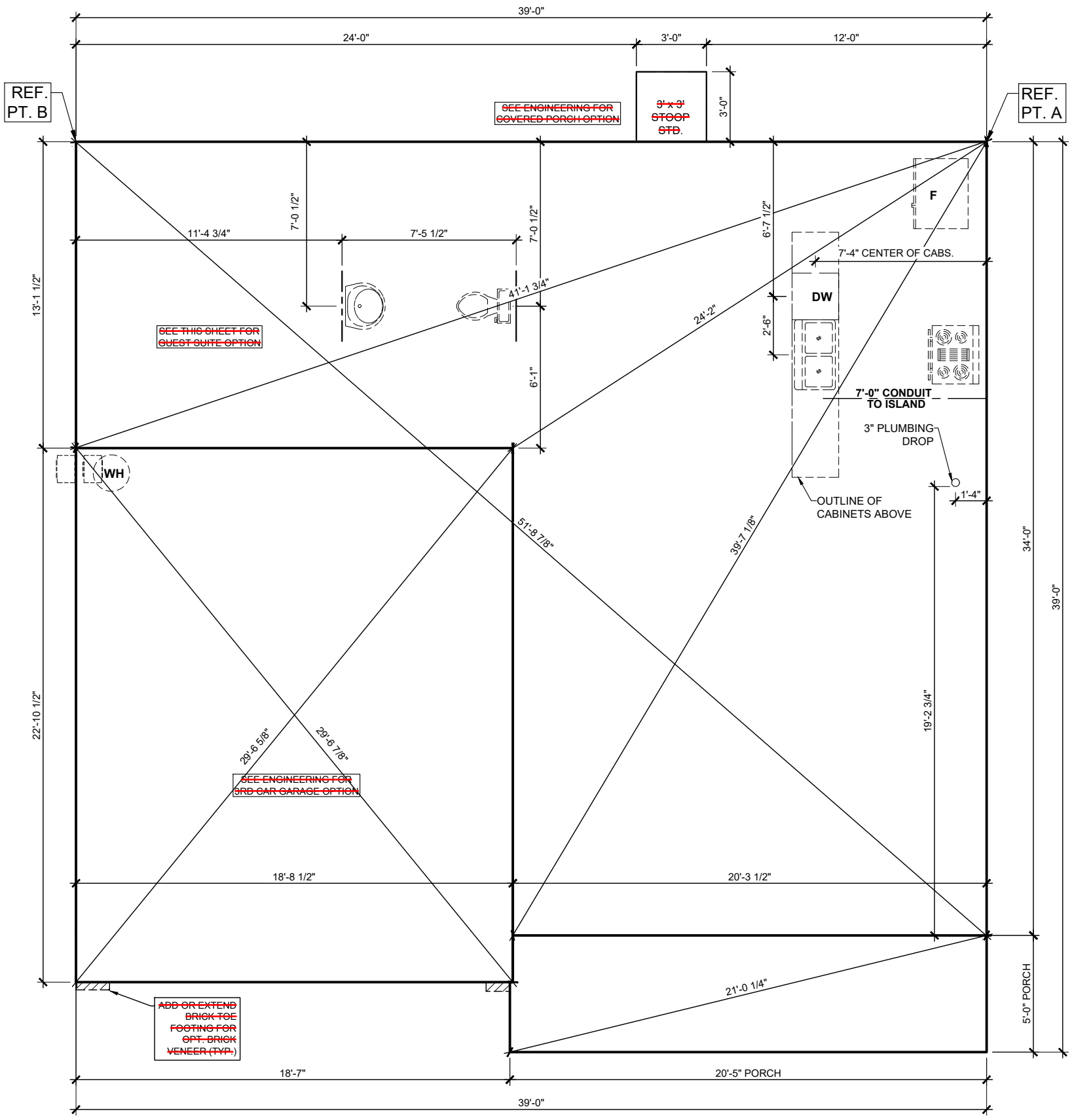
Date: 8/27/2024

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



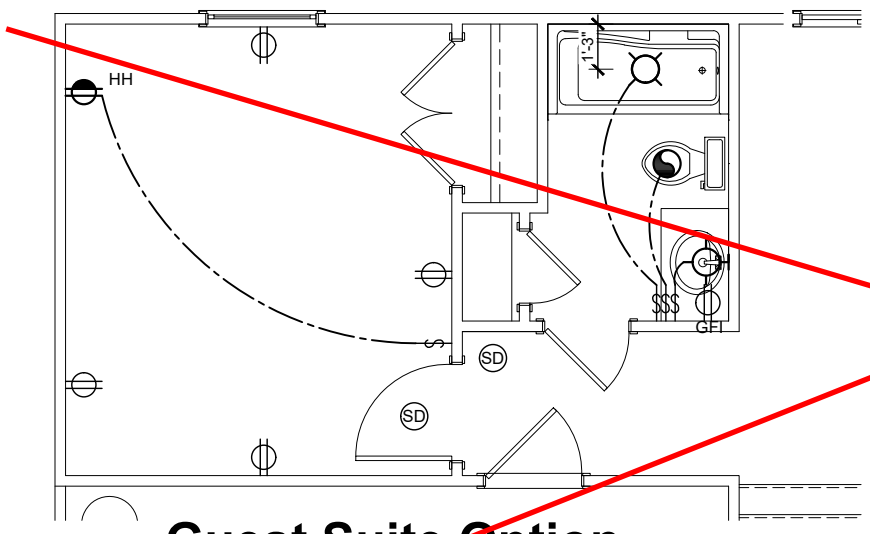
FOUNDATION INFORMATION SHEET

3/16" = 1'-0"

B3	Features: FOUNDATION INFO. SHEET	McDowell D	1st Floor..... 935
	Drawn By:ATW Rev By:cja am SH EB	Genesis Series	2nd Floor..... 1320
	Date: 12/2/2024	v.05.03.00.00	Garage.....429
		GARAGE LEFT	Front Porch.....101
			Covered Porch Option.....120
			3rd Car Garage Option.....220

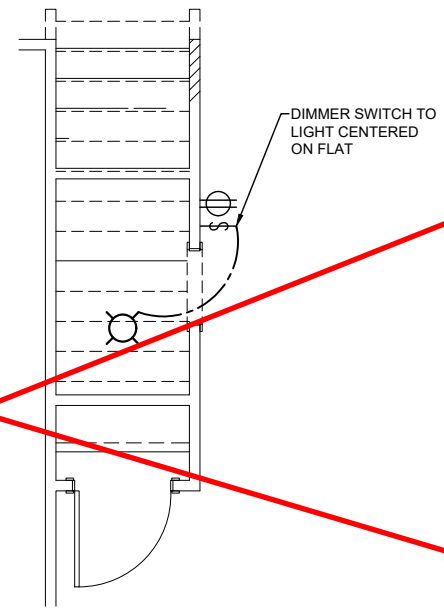
D Square Footages:

EST. 1954 MH MUNGO HOMES



Guest Suite Option

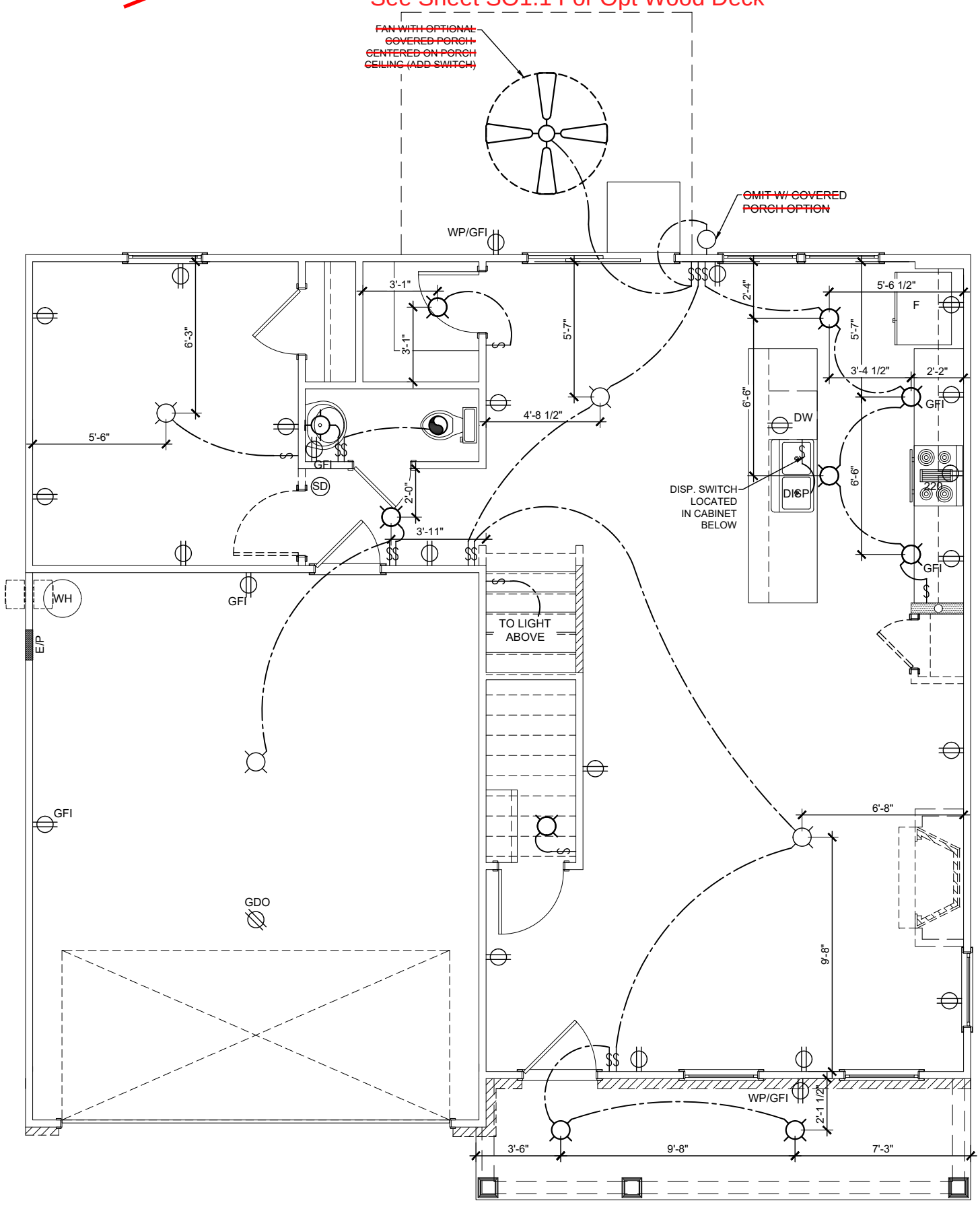
3/16" = 1'-0"



Pet Pad Option

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

See Sheet SO1.1 For Opt Wood Deck

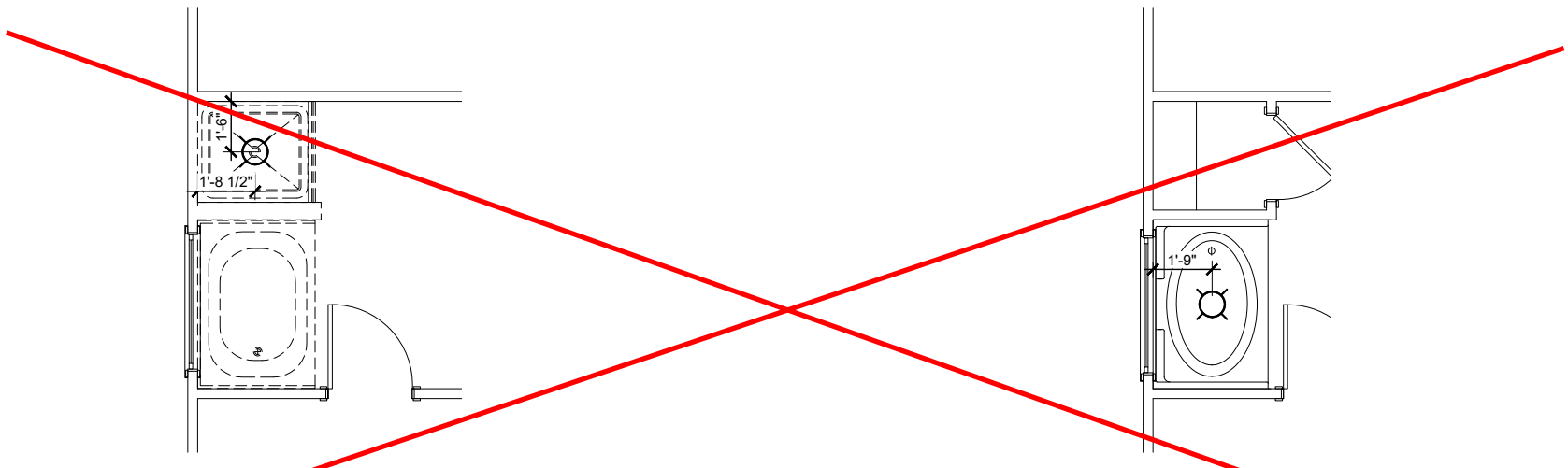


FIRST FLOOR - ELECTRICAL

3/16" = 1'-0"

E1	Features:	**McDowell D** Genesis Series v.05.03.00.00 GARAGE LEFT	D Square Footages: 1st Floor..... 935 2nd Floor..... 1320 Garage.....429 Front Porch.....101 Covered Porch Option.....120 3rd Car Garage Option.....220
	Drawn By:ATW Rev By:cja am SH EB		
	Date: 12/2/2024		

EST. 1954 MH MUNGO HOMES

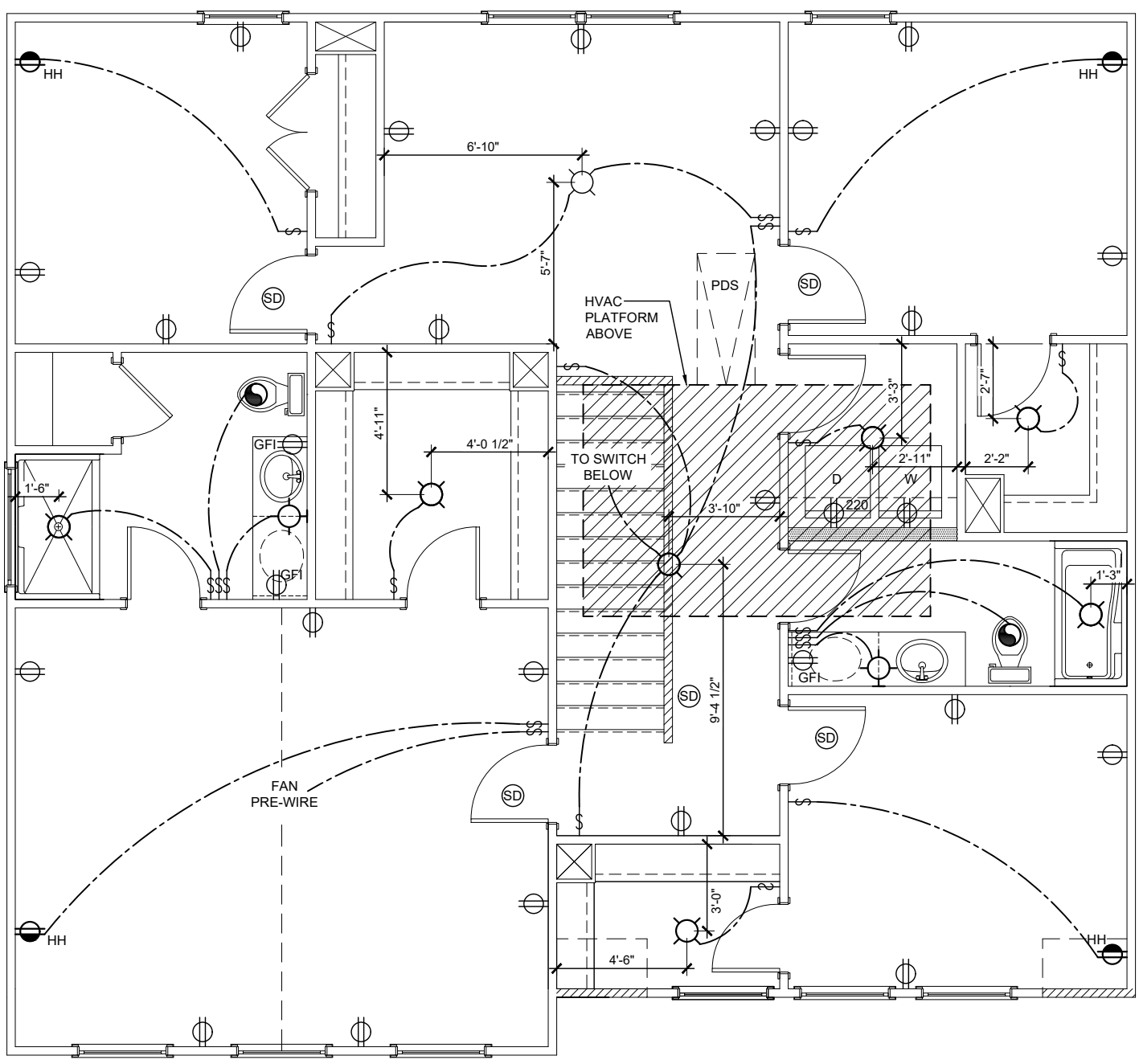


Tub/ Shower Option

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"

E2

Features:

Drawn By:ATW Rev By:cja am SH EB

Date: 12/2/2024

McDowell D

Genesis Series
v.05.03.00.00
GARAGE LEFT

D Square Footages:

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

EST. 1954 MH MUNGO HOMES

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

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PL. TO JOIST/RIM OR BLK'G	NAILS @ 6" o.c.	NAILS @ 4" o.c.
STUD TO PLATE	(4) TOENAILS/ (3)END NAILS	(4) TOENAILS/ (4)END NAILS*
RIM TO TOP PLATE	TOENAILS @ 6" o.c.	TOENAILS @ 4" o.c.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE STUD	NAILS @ 16" o.c.	NAILS @ 16" o.c.
DOUBLE TOP PLATE	NAILS @ 12" o.c.	NAILS @ 8" o.c.
DOUBLE TOP PLATE LAP SPLICE	(12) NAILS IN LAPPED AREA (24" MIN.)	(15) NAILS IN LAPPED AREA (24" MIN.)
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(3) NAILS	(3) NAILS
ADJACENT FULL-HEIGHT STUD TO END OF HEADER	(4) NAILS	(4) NAILS
RAFTER/TRUSS TO TOP PLATE	(4) TOENAILS + (1) SIMPSON H2.5T	(4) TOENAILS + (1) SIMPSON H2.5T
GAB. END TRUSS TO DBL. TOP PL.	TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.
R.T. W/ HEEL HT. 9 1/4" TO 12"	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 6" O.C.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
R.T. W/ HEEL HT. 12" TO 16"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 6" O.C.	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
R.T. W/ HEEL HT. UP TO 24"	LAP WALL SHTG. W/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C.	LAP WALL SHTG. W/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C.*
R.T. W/ HEEL HT. 24" TO 48"	LAP WALL SHTG. W/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. W/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL*
WALL TO FOUNDATION	WALL SHTG. LAP W/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.	

* 2½"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x¼"
6'-0"	3 FT. MAX	L3"x3"x¼"
	12 FT. MAX	L4"x3"x¼"
	20 FT. MAX	L5"x3½"x5/16"
8'-0"	3 FT. MAX	L4"x4"x¼" *
	12 FT. MAX	L5"x3½"x5/16"
	16 FT. MAX	L6"x3½"x3/8"
9'-6"	12 FT. MAX	L6"x3½"x5/16"
16'-0"	2 FT. MAX	L7"x4"x½" **
	3 FT. MAX	L8"x4"x½" **

ALL LINTELS:
- SHALL SUPPORT 2 5/8" - 3 ½" VENEER W/ 40 psf MAXIMUM WEIGHT.
 < 16' SHALL HAVE 4" MIN. BEARING
>= 16' SHALL HAVE 8" MIN. BEARING
 < 16' SHALL NOT BE FASTENED BACK TO HEADER.
>= 16' SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @48"o.c. W/ ½" DIA. x 3 ½" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX. VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LEG VERTICAL.
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ¼" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS. FOR ANY LINTEL FASTENED BACK TO BEAM, FASTENERS SHALL MAINTAIN A 2½" (MINIMUM) CLEAR DISTANCE FROM BOT. OF BEAM.

* FOR QUEEN VENEER USE L4x3x¼".
** FOR 3½" VENEER ONLY. SEE PLAN FOR VENEER SUPPORT IF VENEER < 3½" THICK.

M&K STND. - MAY 2016

NON-BEARING HEADER SCHEDULE

SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6
UP TO 12'-0"	(2)2x10	(2)2x10

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.) -AND/OR- SHEAR WALL ABOVE (S.W.A.)
- BEAM / HEADER
- EXTENT OF OVERFRAMING (O.F.)
- EXTENT OF TILE OVER FLOOR
- EXTENT OF BRACING PANELS/SHEARWALL W/ ADD'L CONNECTION REQUIREMENTS
- INDICATES HOLD-DOWN OR STRAP. REFER TO SCHEDULE.
- 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. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

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

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/ 7" MIN. EMBEDMENT OR SIMPSON MASA ANCHORS @ 6'-0" O.C.
  - SIMPSON STRONG-BOLT 2 WEDGE ANCHOR (STB2-50700 - ½" Φ x 7") MAY BE USED IN PLACE OF ANCHOR BOLTS @ INTERIOR THICKENED SLABS ONLY.
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ PERIMETER FOUNDATION SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- FOUNDATION WALLS & FOOTINGS SHALL BE PLAIN CONCRETE, U.N.O.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
  - f'c = FOUNDATION WALLS (SEE FOUNDATION DETAILS)
  - 2,500 psi: .... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3,000 psi: .... GARAGE & EXTERIOR SLABS ON GRADE
  - fy = 60,000 psi
- TYPICAL REINFORCEMENT DETAILS: PROVIDE 3" MIN. CLEAR COVER WHERE CAST AGAINST EARTH, 1 1/2" MIN. CLEAR COVER AGAINST FORMS. LAP ALL REBAR 48 BAR DIAMETERS MIN. (24" FOR #4 BARS) & BEND BARS AND LAP AT CORNERS. PROVIDE 6" HOOK INTO SUPPORTING FOOTINGS WHEN FOOTINGS INTERSECT.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR BELOW FROST LINE (TYP.) OR 12" MIN IN REGIONS WHERE CODE FROST DEPTH IS NOT APPLICABLE. CONSULT SOILS REPORT OR BUILDING DEPT. FOR MINIMUM DEPTH BELOW GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL. (U.N.O.)
- 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 R318 OR LOCAL CODE REQUIREMENTS
- CRAWLSPACE/BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY EITHER ADEQUATE TEMPORARY BRACING OR INSTALLATION OF FIRST FLOOR DECK.
- CRAWLSPACE/BASEMENT WALL DESIGN IS BASED ON BACKFILL SOIL CLASSIFICATIONS OF GW, GP, SW, 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 C90 WITH A MIN. COMPRESSIVE STRENGTH OF 1900 psi (F'm=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 2x8 x 16" LONG P.T. PLATE ON TOP OF ALL CRAWL SPACE PIERS. TOP COURSE OF PIERS SHALL BE SOLID MASONRY OR FILLED SOLID.
- PROVIDE 2x6 P.T. PLATE ON INTERIOR CRAWL 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.

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EXTERIOR & SHEAR WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:

115 MPH WIND IN 2018 NCSBC:RC

(115 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER NCSBC 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 R301.1.3 OF THE 2018 NCSBC.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSBC: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: (P1)
  FASTEN SHEATHING W/ 2 3/8"x0.113 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 (P3)

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 2 3/8" x 0.113" 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

MUNGO - MAY 2017

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 M&K 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 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES & @ 12"o.c. FIELD.
  - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
  - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.
- PROVIDE 1 1/4" RIM BOARD @ ALL DECK LEDGER LOCATIONS. SEE PLANS OR DETAILS FOR LEDGER CONNECTION.

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 ½" 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 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.
- WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS 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 WTCA & TPI'S BCSI 1 "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).

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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

B.F.	BALLOON-FRAMED	HDR	HEADER
BM.	BEAM	INT.	INTERIOR
BOT.	BOTTOM	J	JACK STUD
BRG.	BEARING	J.T.	JACK TRUSS
B.W.A.	BEARING WALL ABOVE	K	KING STUD
CANT'D	CANTILEVERED	MANUF.	MANUFACTURER
CONC.	CONCRETE	MAX.	MAXIMUM
CONT.	CONTINUOUS	MIN.	MINIMUM
DBL.	DOUBLE	N.T.S	NOT TO SCALE
DIM.	DIMENSION	OPT.	OPTIONAL
D.J.	DECK JOISTS	P.A.	POST ABOVE
EA.	EACH	P.T.	PRESSURE TREATED
EQ.	EQUAL	PKT	POCKET
EXT.	EXTERIOR	REQ'D	REQUIRED
E.W.	EACH WAY	R.T.	ROOF TRUSS
F.T.	FLOOR TRUSS	SCHED.	SCHEDULE
FND.	FOUNDATION	SIM.	SIMILAR
FTG.	FOOTING	STRUCT.	STRUCTURAL
G.T.	GIRDER TRUSS	T.O.F	TOP OF FOOTING
HD	HOLDOWN	TYP.	TYPICAL

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 (I-JOISTS/SAWN) (ADD'L 10 PSF AT TILE)
  - WIND: ≤115 MPH, EXPOSURE B
  - SEISMIC: DESIGN CATEGORY A/B

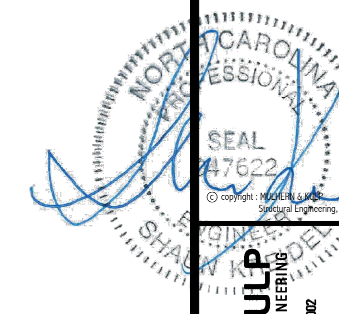
GENERAL FRAMING

- 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. SPF/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 (SPF) 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=2.0x10^6 psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
  - 'LVL' - Fb=2400 psi; Fc‖=2500 psi; E=1.8x10^6 psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 1¾" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS ¼"x3½" SIMPSON SDS SCREWS (OR 3½" TRUSSLOK SCREWS) @ 16" O/C. ALT. FASTENING SPEC FOR 3 PLY BEAMS ONLY: FASTEN PLIES TOGETHER WITH 2 ROWS OF ½" DIA. THRU BOLTS @ 16" O.C. USE A MINIMUM OF 4 ROWS (NAILS/SCREWS) OR 3 ROWS (BOLTS) FOR BEAM DEPTHS OF 14" OR GREATER. APPLY NAIL/SCREW FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM FASTENERS 2" FROM EDGE. SOLID 3 ½" OR 5 ¼" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL 1¾" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF ¼"x6" SIMPSON SDS SCREWS (OR 6 ¾" TRUSSLOK SCREWS) @ 16" O/C OR 2 ROWS OF ½" DIA. THRU BOLTS @ 16" O.C. USE A MINIMUM OF 4 ROWS (SCREWS) OR 3 ROWS (BOLTS) FOR BEAM DEPTHS OF 14" OR GREATER. APPLY SCREW FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM FASTENERS 2" FROM EDGE. A SOLID 7" 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. SPF OR SYP, "STUD" GRADE OR BETTER.
- M+K 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 M+K FOR A CONFORMANCE REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

MUNGO - MAY 2017

2/19/24

seal:



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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

MUNGO HOMES

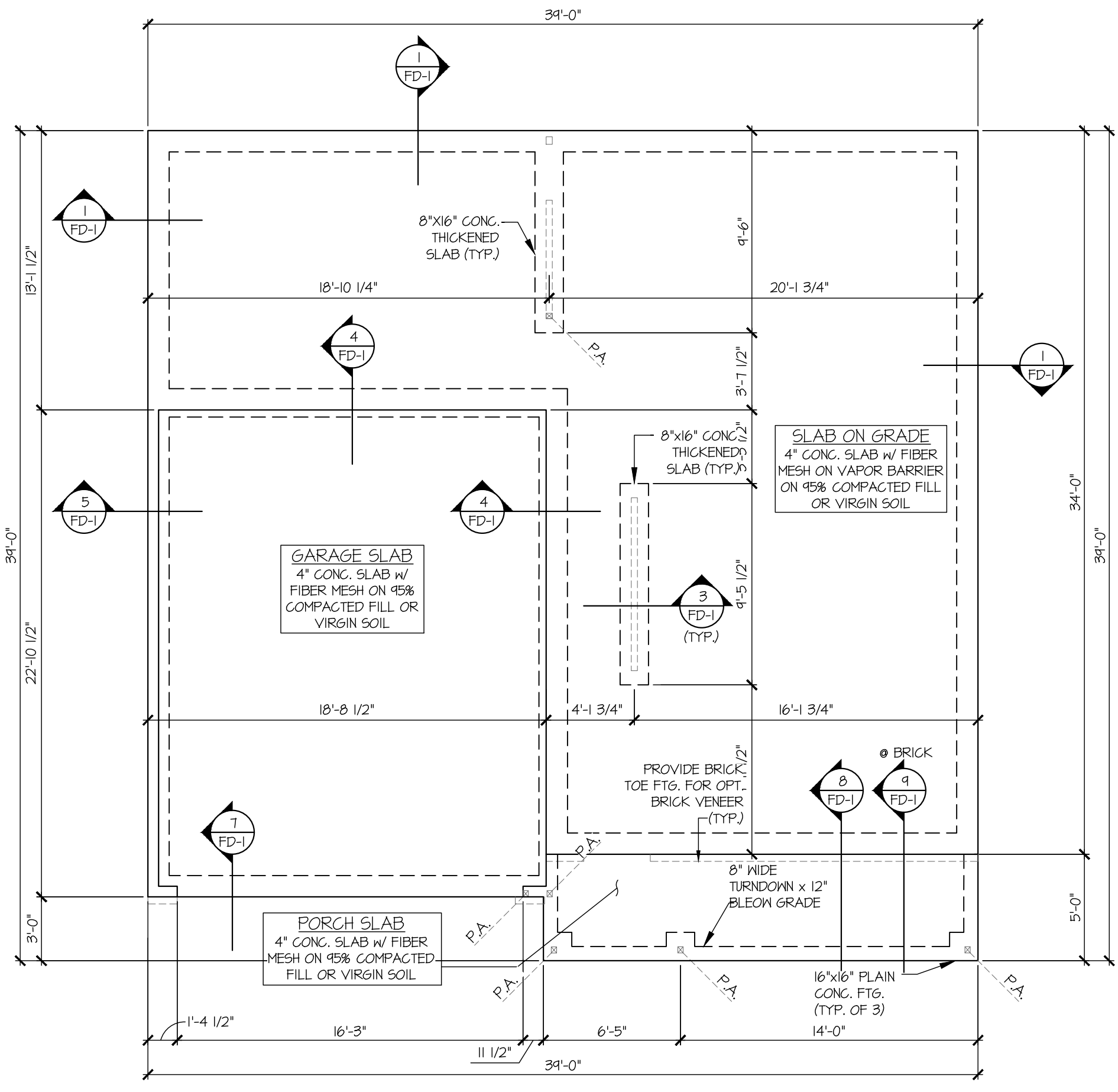
GENERAL STRUCTURAL NOTES
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: S0.0

FOUNDATION HARDWARE SCHEDULE ELEVATION D	
QTY	PRODUCT
19	SIMPSON STRONG-BOLT 2

HARDWARE NOTES:
- ALL NAIL HOLES FILLED
- ALL COUNTS ESTIMATED
- 15 ADDITIONAL STRONG-BOLT 2 ANCHORS INCLUDED FOR MISSED MASA'S

See Sheet SO1.1 For Opt Wood Deck



REFER TO S-0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

1 MONOSLAB FOUNDATION PLAN
SCALE: 3/16"=1'-0" ELEV. D

2/19/24

sheet: S1.3M

MONOSLAB FOUNDATION PLAN
McDOWELL
ELEVATION D
WIND SPEED < 115 MPH NORTH CAROLINA

MUNGO HOMES

ARCH v.02.01.00.00

REVISIONS:
date: initial:

project mgr: SMK
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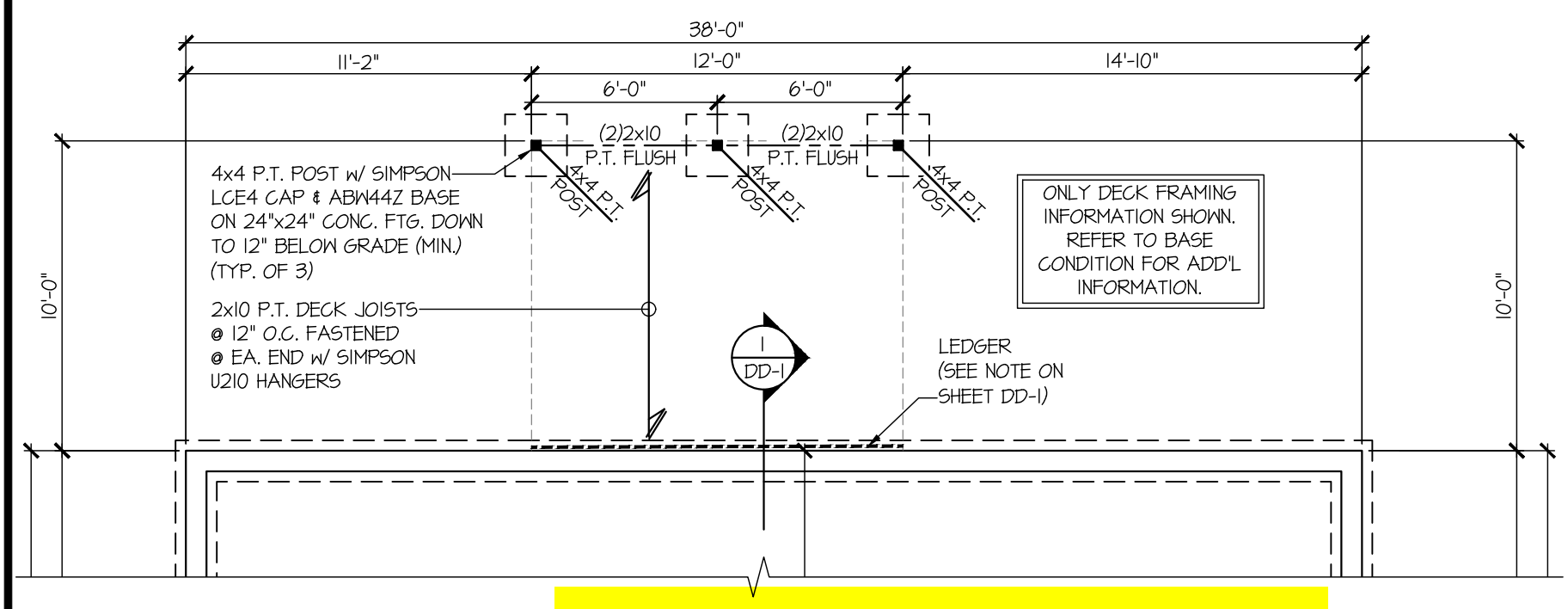
ADD'L HARDWARE SCHEDULE FOR OPT. WOOD DECK	
QTY	PRODUCT
24	SIMPSON U210 HANGER
3	SIMPSON LCE4 POST CAP
3	SIMPSON ABW44Z POST BASE
4	SIMPSON H3 CLIP
2	SIMPSON BCS2-2/4 POST BASE



1 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

sheet: S01.1

OPTION FRAMING PLANS

TELFAIR

COVERED PORCH

WIND SPEED < 115 MPH NORTH CAROLINA

MUNGO HOMES

ARCH: v.01.01.00.00

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drawn by: MDS

project mgr: SMK

M&K project number: 192-17017

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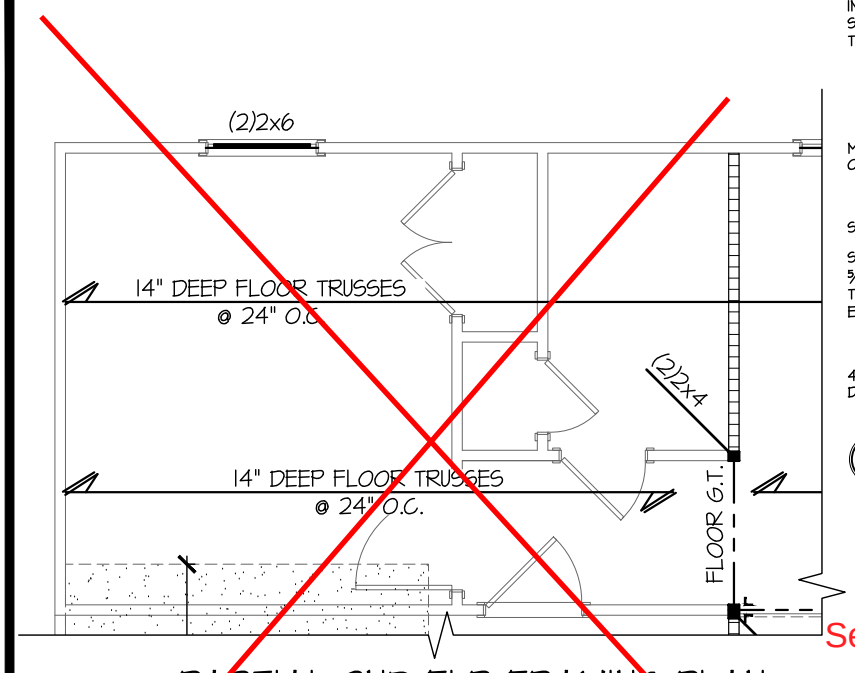
seal:

NORTH CAROLINA PROFESSIONAL SEAL 17622 ENGINEER SHANE M. MIDDLETON

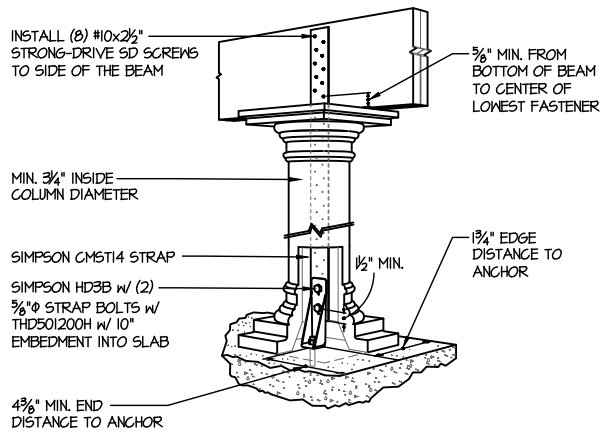


PARTIAL 2ND FLR FRAMING PLAN OPT. GUEST SUITE

2

SCALE: 3/16"=1'-0"

(1ST FLOOR WALLS SHOWN)



HOLLOW STRUCTURAL COLUMN UPLIFT DETAIL

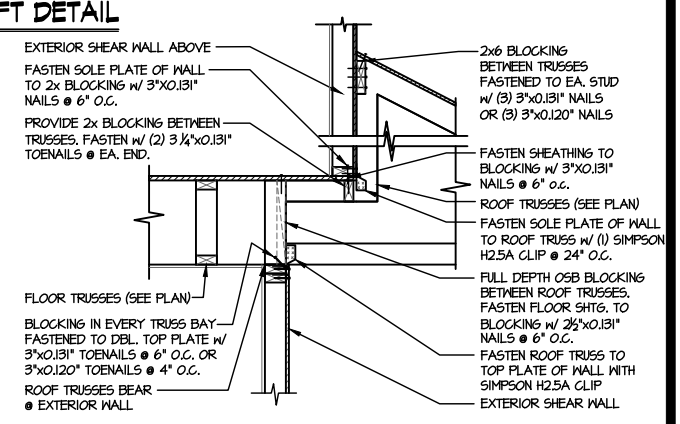
A

NOT TO SCALE - AS REQUIRED

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

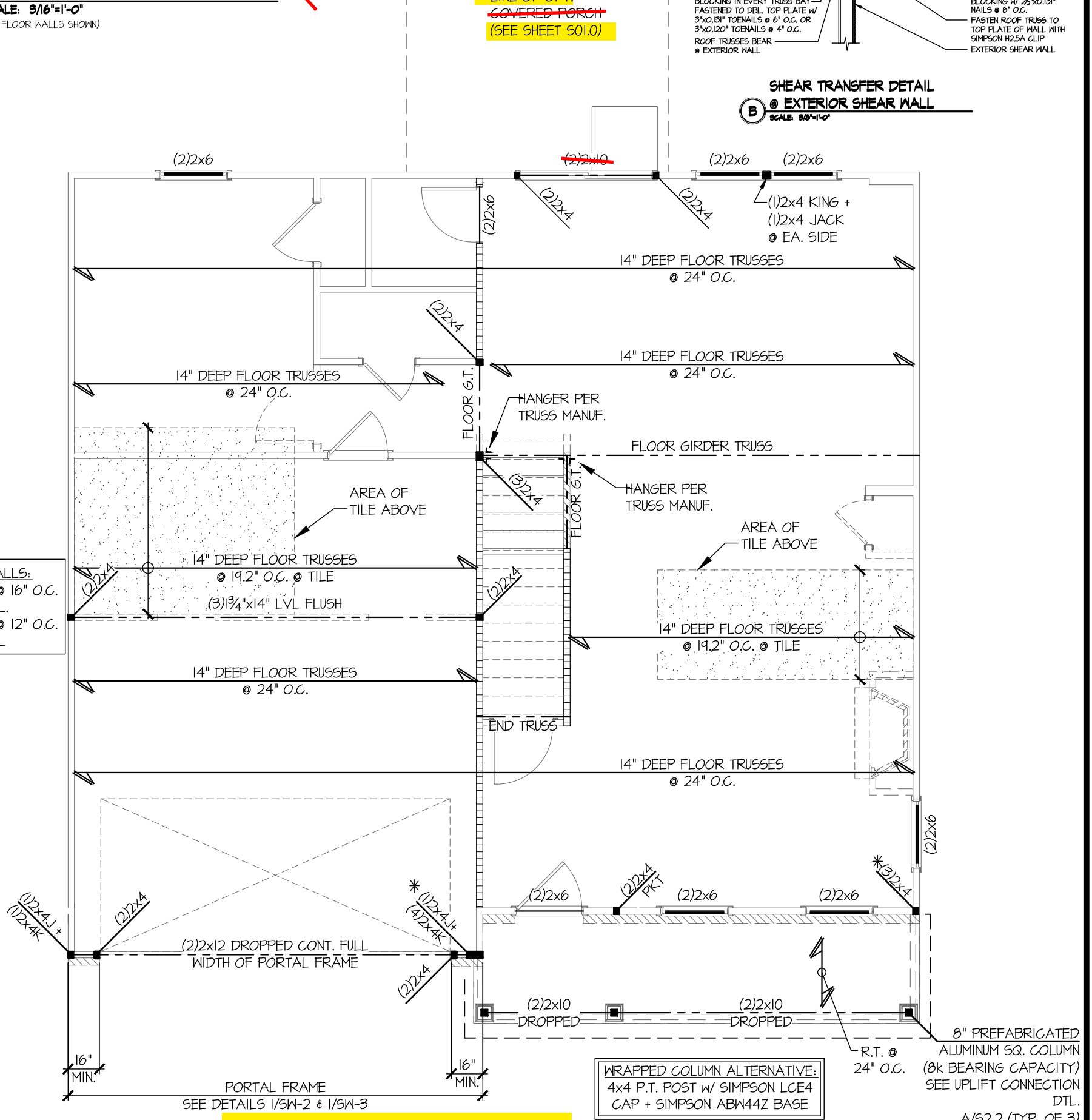
See Sheet SO1.1 For Opt Wood



SHEAR TRANSFER DETAIL @ EXTERIOR SHEAR WALL

B

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



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

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

2ND FLOOR FRAMING PLAN

1

SCALE: 3/16"=1'-0"

(1ST FLOOR WALLS SHOWN)

ELEV. D

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

REFER TO S-0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

2/19/24

sheet: S2.3M

2ND FLOOR FRAMING PLAN

McDOWELL

ELEVATION D

WIND SPEED < 115 MPH NORTH CAROLINA

MUNGO HOMES

ARCH: v.02.01.00.00

REVISIONS:

date: initials:

issue date: 03-24-22

drawn by: MRG

project mgr: SMK

M&K project number: 192-17012

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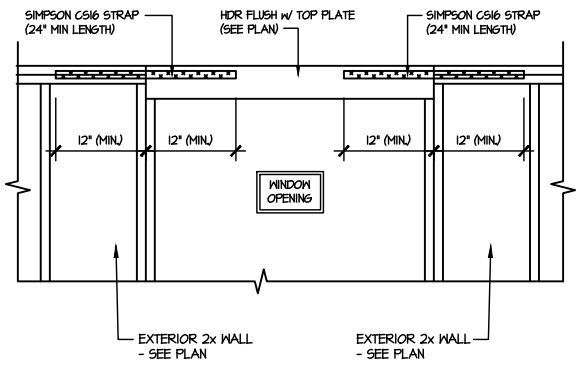
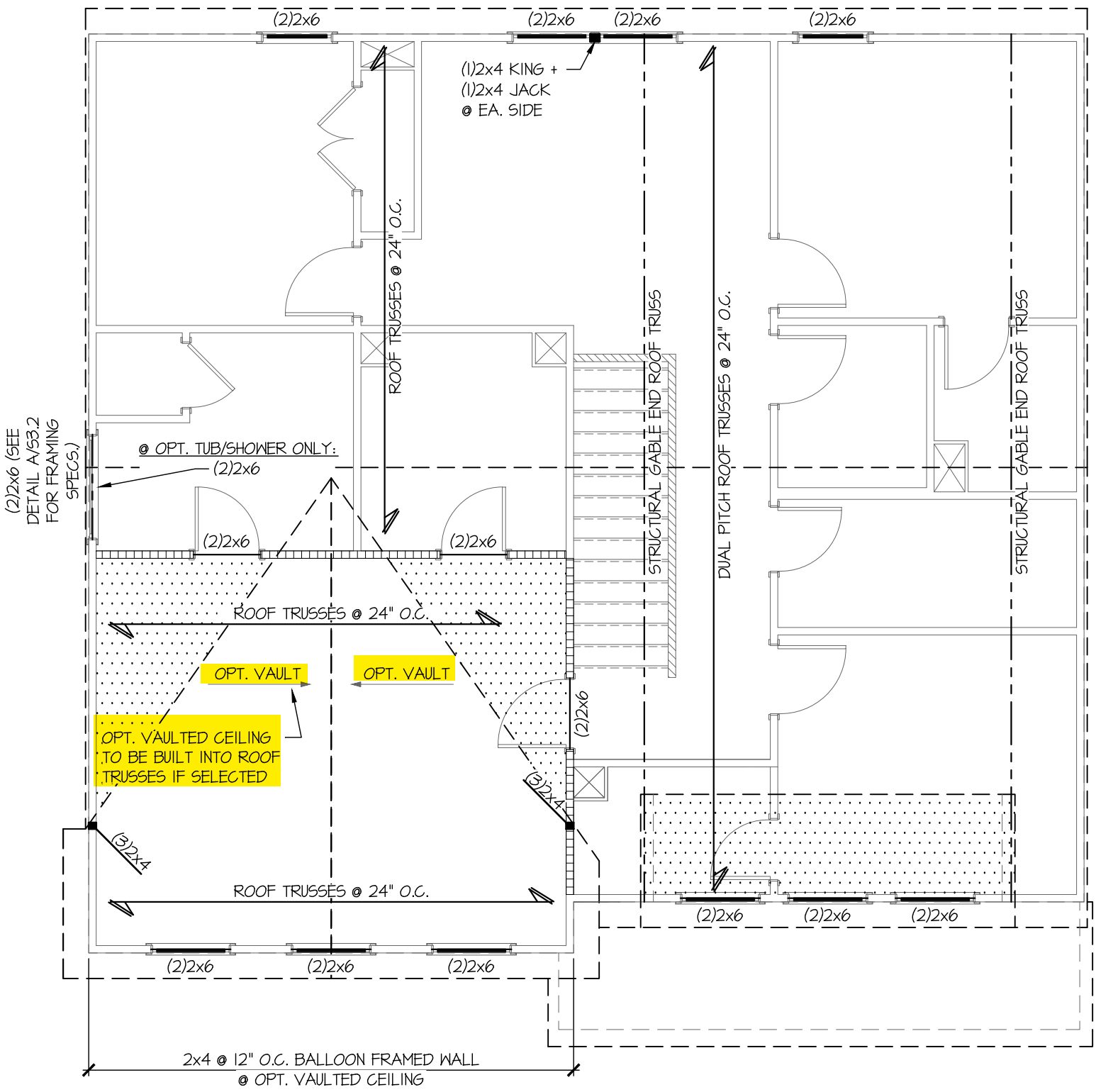
ROOF HARDWARE SCHEDULE ELEVATION D	
QTY	PRODUCT
86	SIMPSON H2.5A CLIP
2	SIMPSON CS16 (24" STRAP)

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



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



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

PLAN DESIGNED FOR 8' PLATE HEIGHT

REFER TO S-0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

2/19/24

sheet: S3.3M

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

MUNGO HOMES

ARCH v.02.01.00.00

REVISIONS:
date: initial:

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

M&K project number: 192-17012

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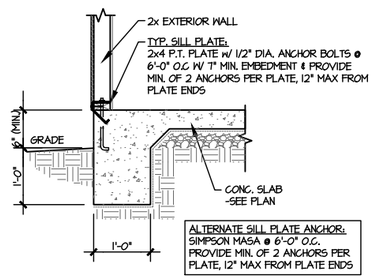
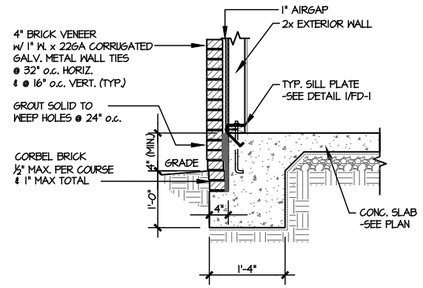
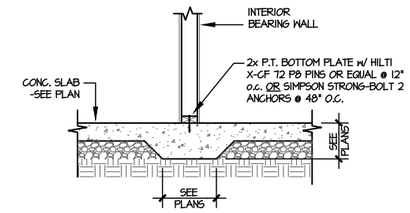
2/19/24



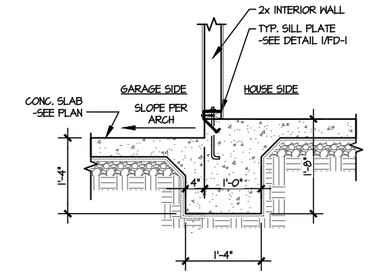
TYPICAL TURNDOWN @ EXT. WALL
1 SCALE: 3/8"=1'-0"



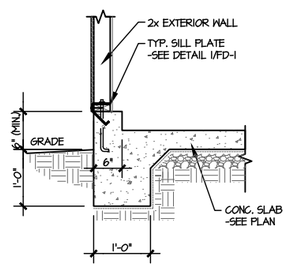
TYPICAL TURNDOWN @ EXT. WALL (BRICK)
2 SCALE: 3/8"=1'-0"



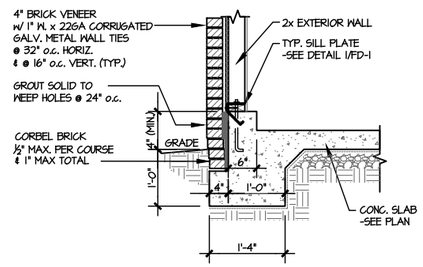
TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
3 SCALE: 3/8"=1'-0"



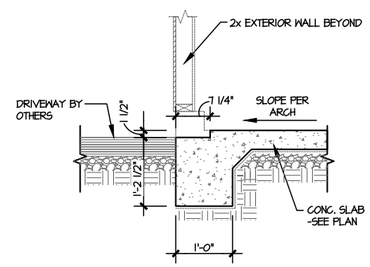
TYPICAL INT. FOOTING BETWEEN HOUSE & GARAGE
4 SCALE: 3/8"=1'-0"



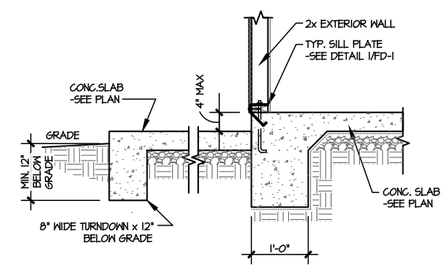
TYPICAL TURNDOWN @ EXT. GARAGE WALL
5 SCALE: 3/8"=1'-0"



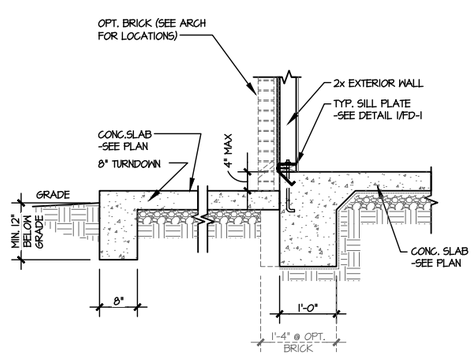
TYPICAL TURNDOWN @ EXT. GARAGE WALL (BRICK)
6 SCALE: 3/8"=1'-0"



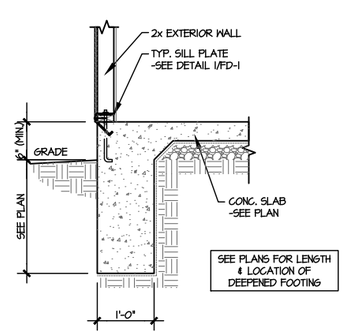
GARAGE OPENING
7 SCALE: 3/8"=1'-0"



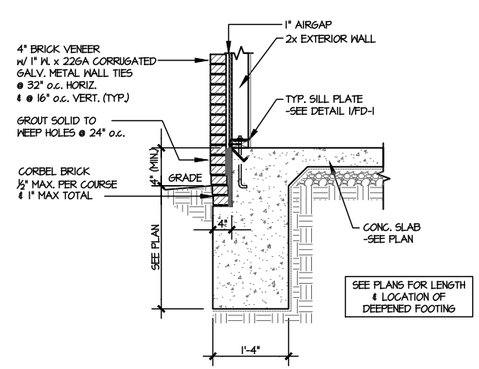
TYPICAL TURNDOWN @ PATIO/PORCH
8 SCALE: 3/8"=1'-0"



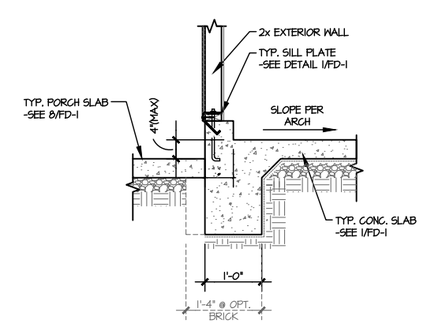
TYPICAL TURNDOWN @ PATIO/PORCH (BRICK)
9 SCALE: 3/8"=1'-0"



TYPICAL TURNDOWN W/ DEEPENED FTG. @ EXT. WALL
10 SCALE: 3/8"=1'-0"



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



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

seal:

NORTH CAROLINA PROFESSIONAL SEAL 047622 ENGINEER SHAWN KUPP

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drawn by: MRG
issue date: 03-24-22

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date:	initial:

ARCH: v.02.01.00.00

MUNGO HOMES

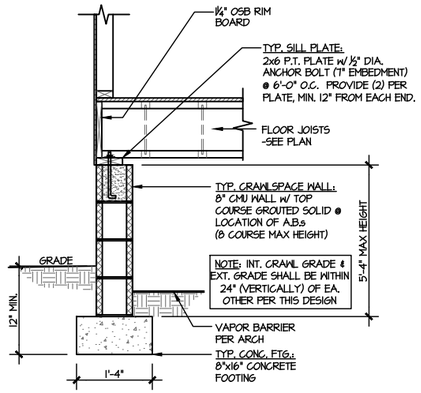
FOUNDATION DETAILS

McDOWELL

WIND SPEED < 115 MPH NORTH CAROLINA

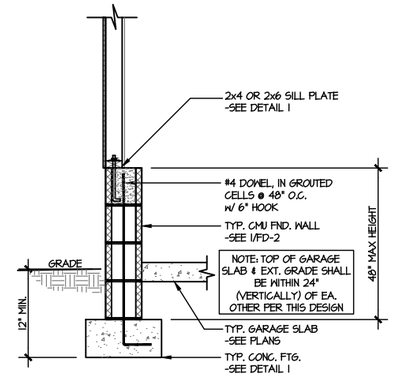
sheet: FD-1

2/19/24

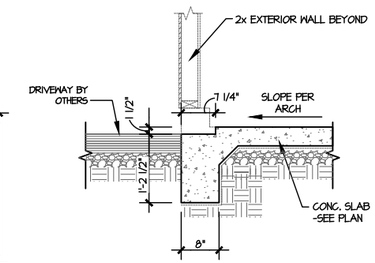


1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"

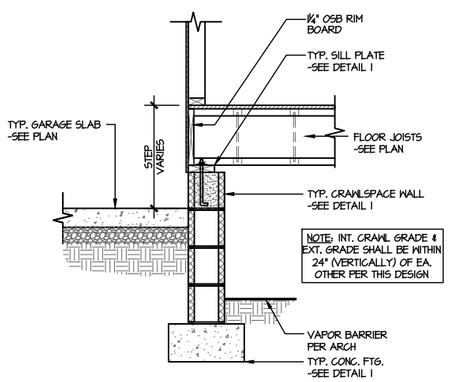
2 NOT USED
SCALE: 3/8"=1'-0"



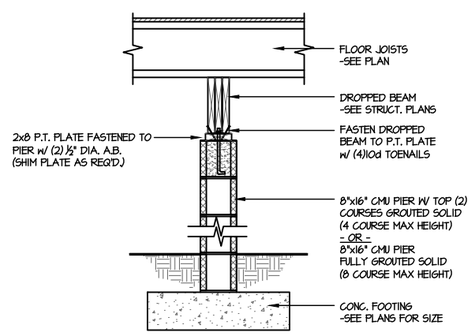
3 TYPICAL PERIMETER FOOTING @ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



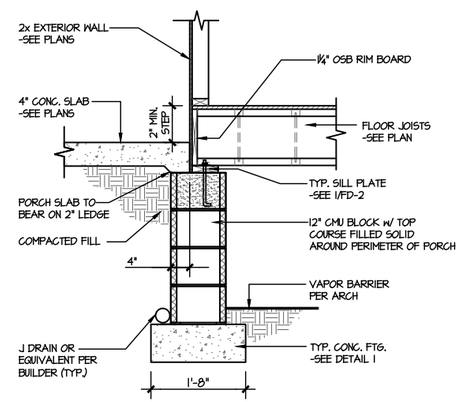
4 TYPICAL TURNDOWN FOOTING AT EXTERIOR GARAGE APRON
SCALE: 3/8"=1'-0"



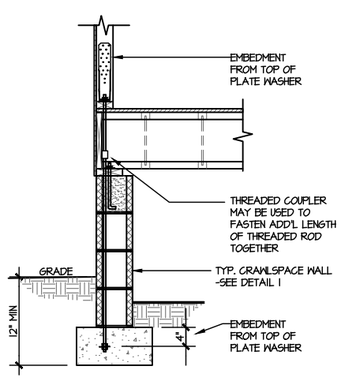
5 TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



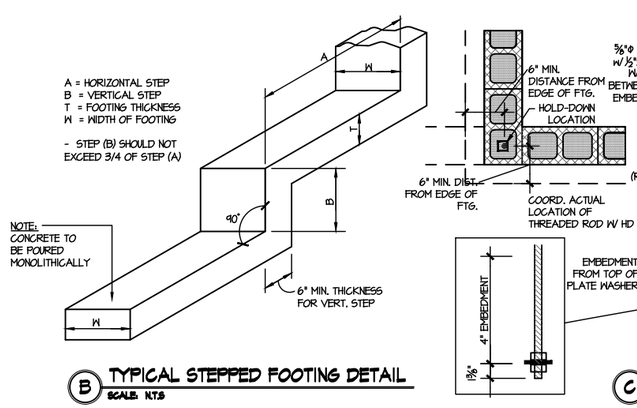
6 TYPICAL CRAWLSPACE FOUNDATION @ INTERIOR PIER
SCALE: 3/8"=1'-0"



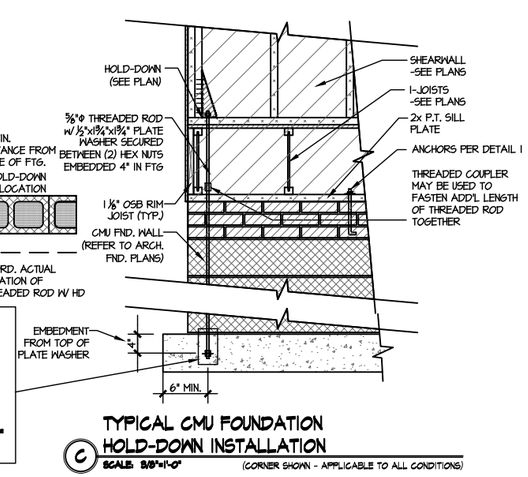
7 TYPICAL CRAWLSPACE FOUNDATION @ PORCH SLAB
SCALE: 3/8"=1'-0"



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

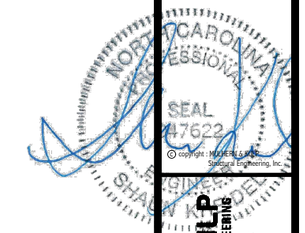


B TYPICAL STEPPED FOOTING DETAIL
SCALE: N.T.S



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

seal:



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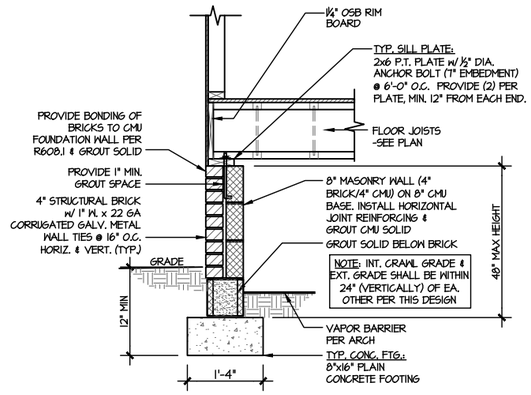
MUNGO HOMES

FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

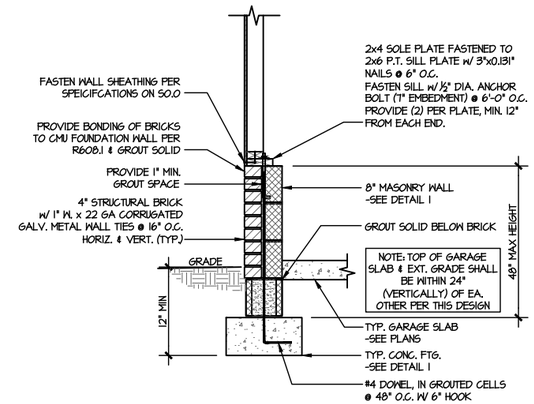
sheet:
FD-2

2/19/24



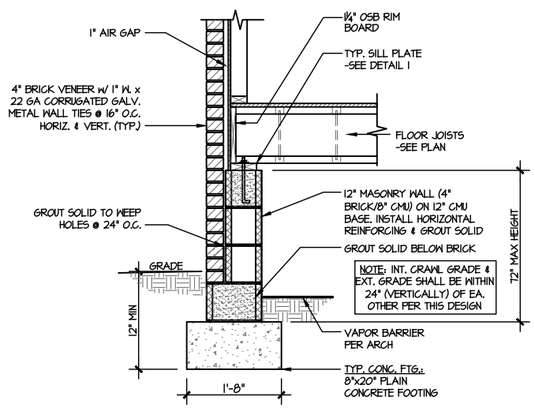
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" w/ BRICK WATERTABLE

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



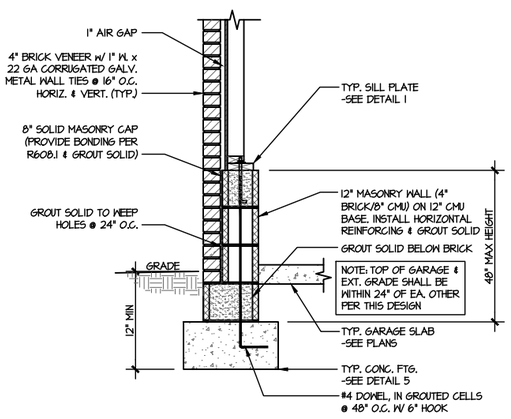
3 TYPICAL CRAWLSPACE FOUNDATION @ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0" w/ BRICK WATERTABLE

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



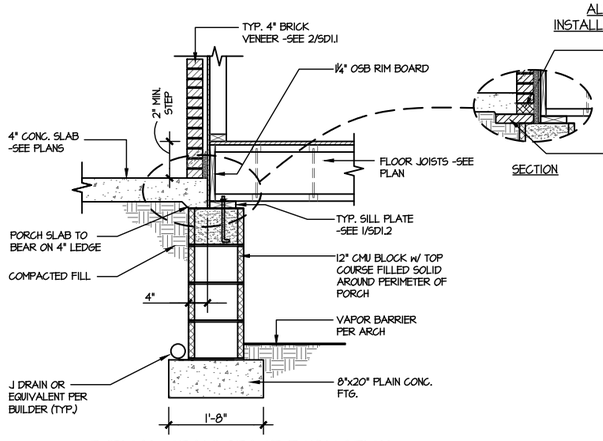
5 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" w/ FULL BRICK VENEER

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

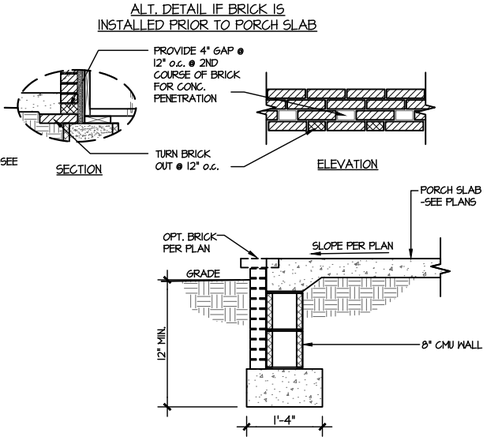


7 TYPICAL CRAWLSPACE FOUNDATION @ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0" w/ FULL BRICK VENEER

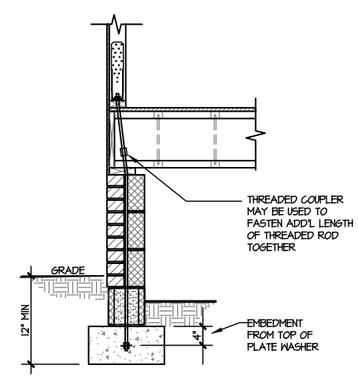
8 NOT USED
SCALE: 3/8"=1'-0"



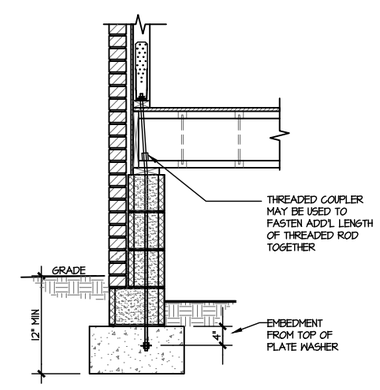
9 TYPICAL CRAWLSPACE FOUNDATION @ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" w/ BRICK VENEER



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

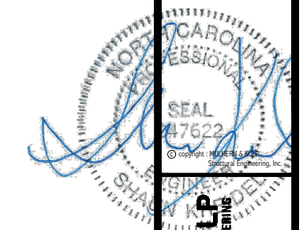


D TYPICAL CRAWLSPACE FOUNDATION HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0" w/ BRICK WATERTABLE



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

seal:



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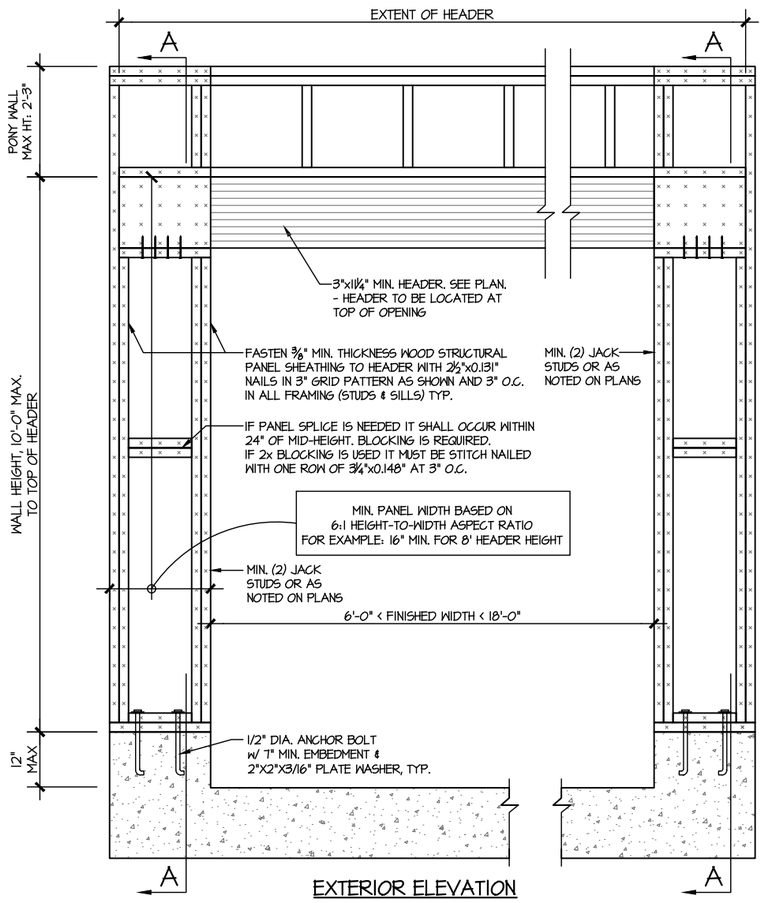
MUNGO HOMES

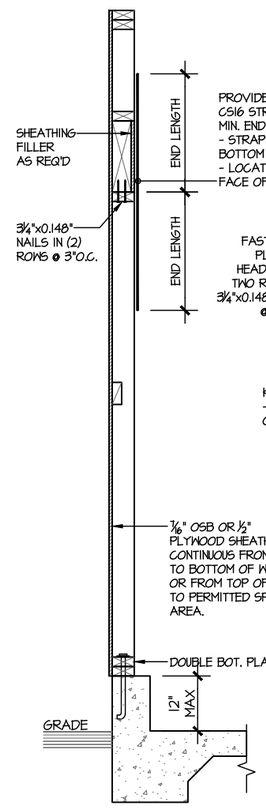
FOUNDATION DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: FD-3

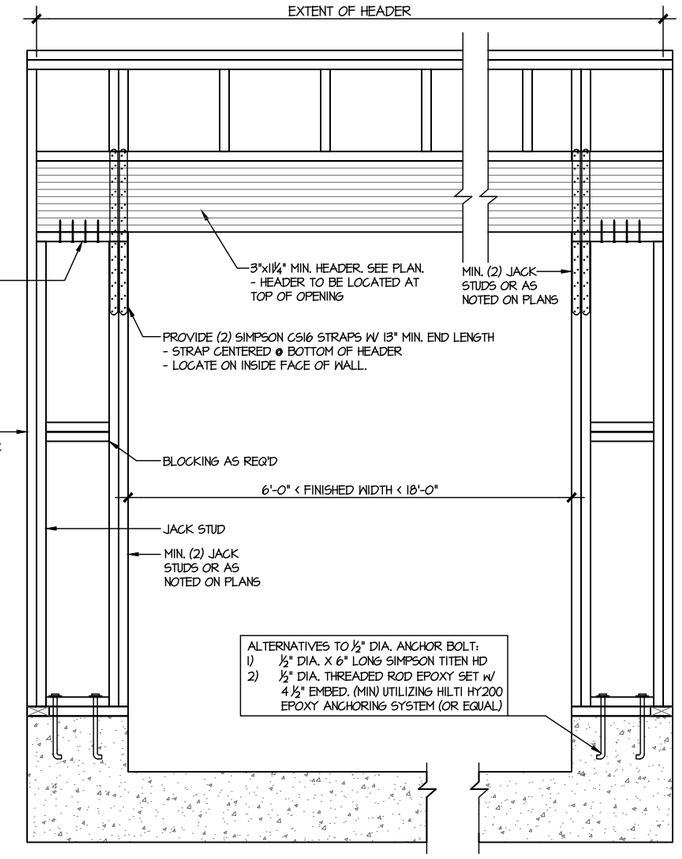
2/19/24



EXTERIOR ELEVATION



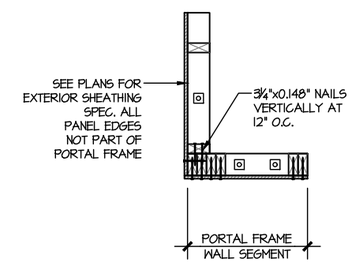
SECTION A-A
THROUGH PIER



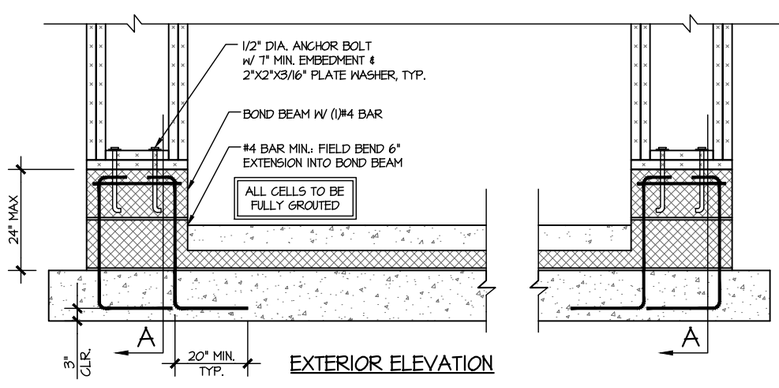
INTERIOR ELEVATION

MONOSLAB FOUNDATION

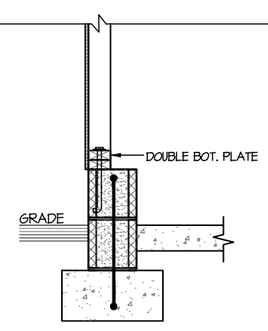
WALL FRAMING SPECIFICATION:
@ 2x4 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)
@ 2x6 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)



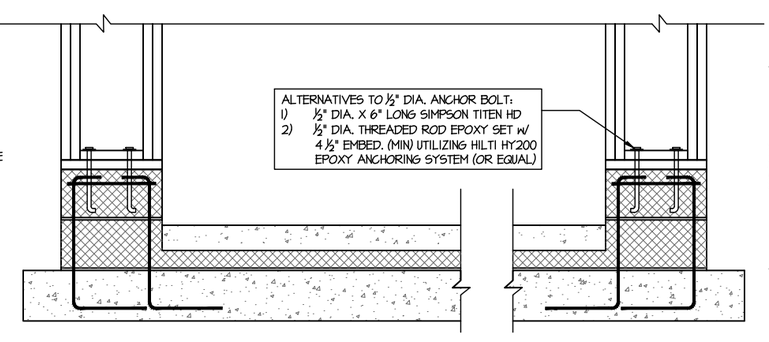
PLAN VIEW OF
CORNER DETAIL



EXTERIOR ELEVATION

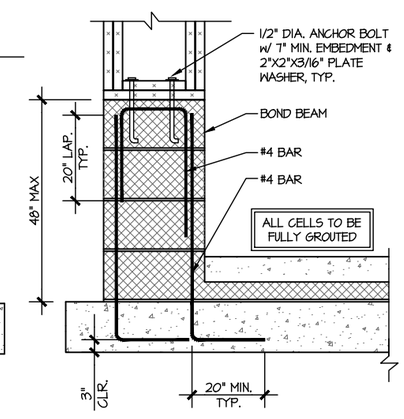


SECTION A-A
THROUGH PIER



INTERIOR ELEVATION

RAISED SLAB FOUNDATION



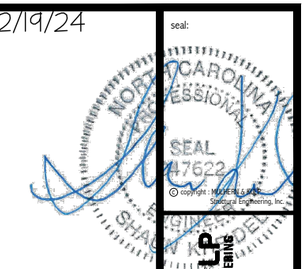
STEM ≤ 48" TALL

1 PORTAL FRAME DETAIL

SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR
1 KING STUD & RETURN WALLS

seal:



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NC License # C-3825

M&K project number: 192-17012

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

REVISIONS:
date: initial:

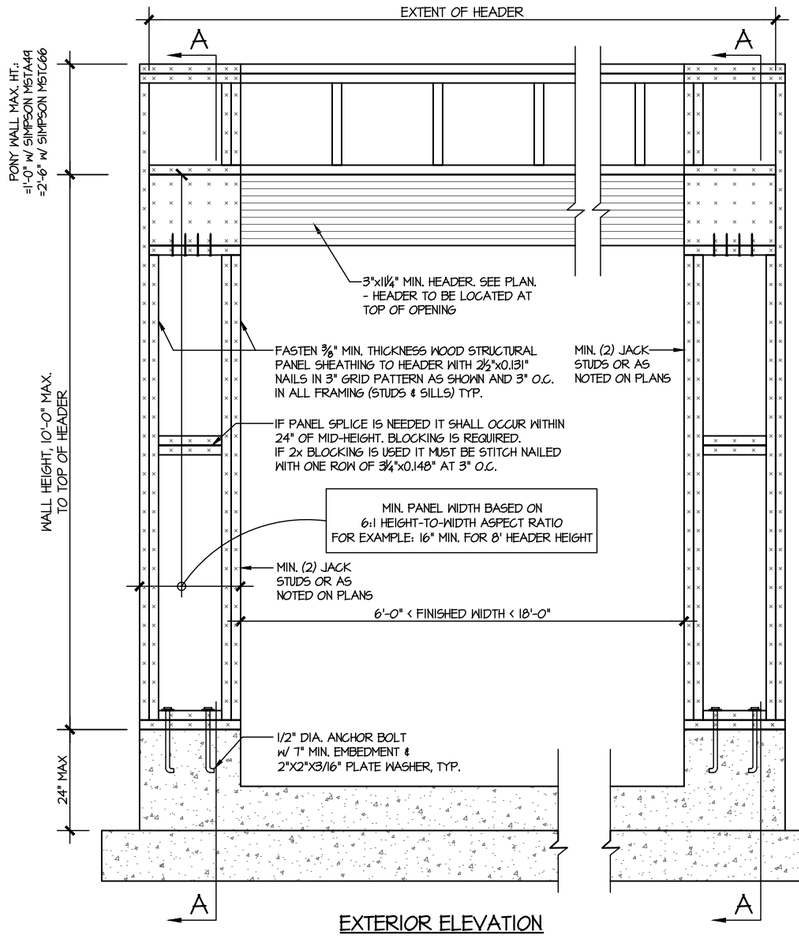
ARCH: v.02.01.00.00

MUNGO HOMES

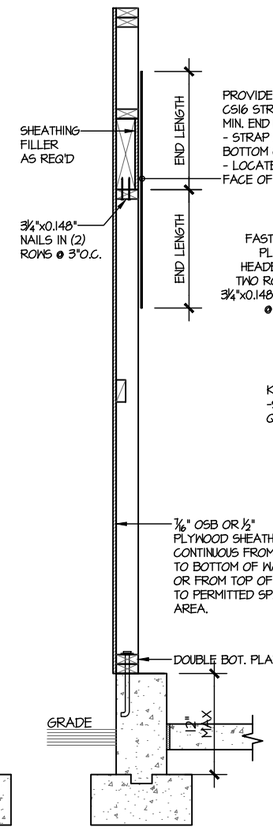
STRUCTURAL DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet:
SW-2

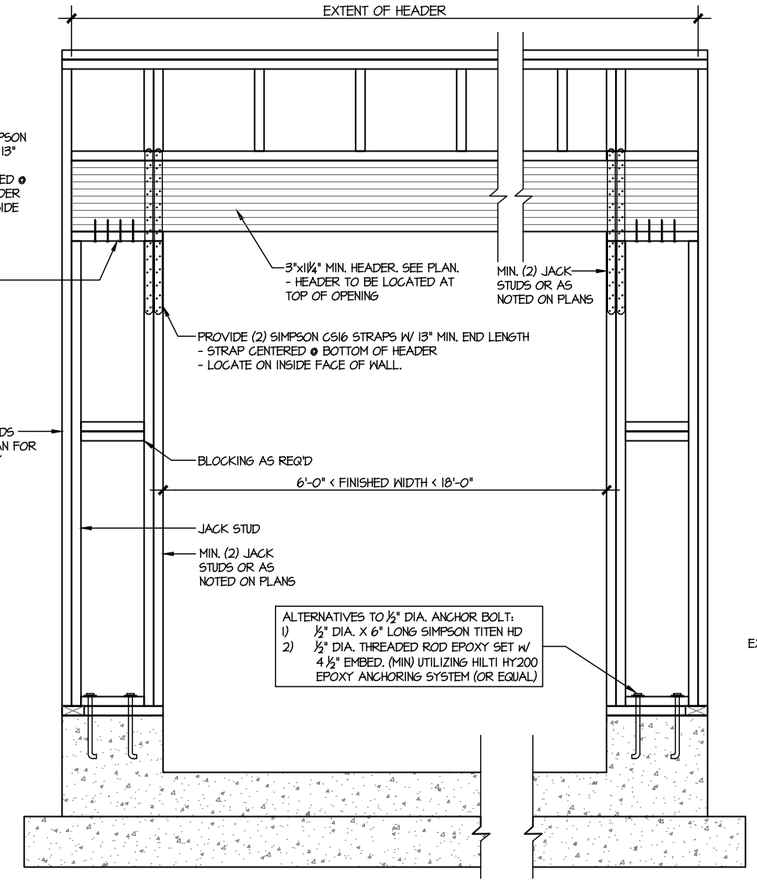
2/19/24



EXTERIOR ELEVATION



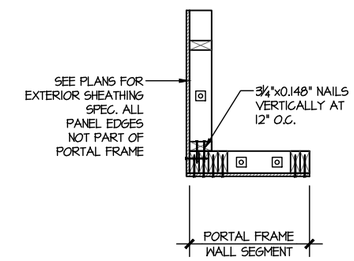
SECTION A-A
THROUGH PIER



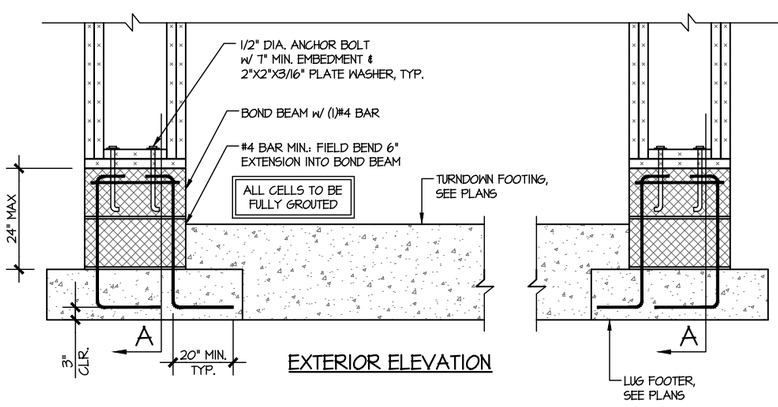
INTERIOR ELEVATION

BASEMENT FOUNDATION

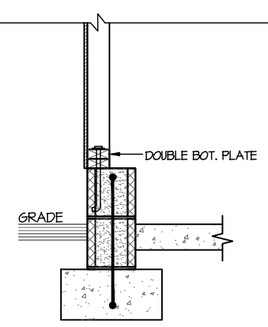
WALL FRAMING SPECIFICATION:
@ 2x4 WALL: USE SP/SPF #2
GRADE STUDS (OR BETTER)
@ 2x6 WALL: USE SP/SPF #2
GRADE STUDS (OR BETTER)



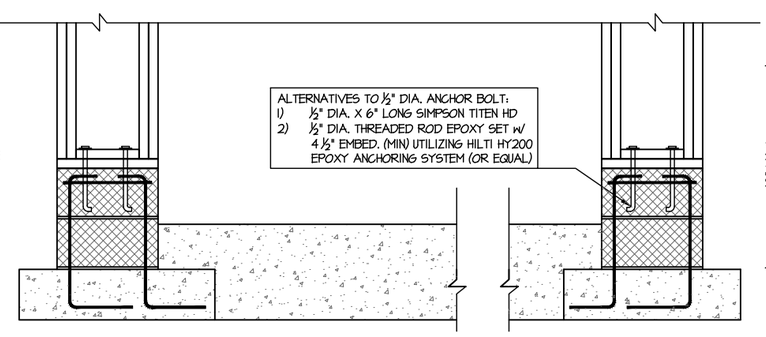
PLAN VIEW OF
CORNER DETAIL



EXTERIOR ELEVATION

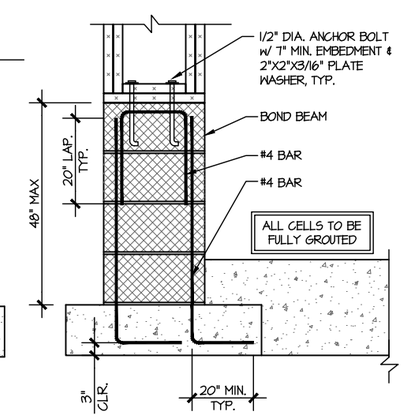


SECTION A-A
THROUGH PIER



INTERIOR ELEVATION

CRAWLSPACE FOUNDATION



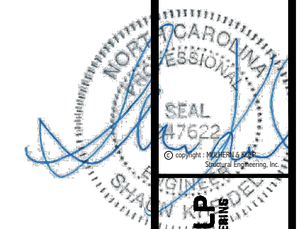
STEM HEIGHT >
24" & ≤ 48"
TALL

1 PORTAL FRAME DETAIL

SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR
1 KING STUD & RETURN WALLS

seal:



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REVISIONS:
date: initial:

ARCH: v.02.01.00.00

MUNGO HOMES

STRUCTURAL DETAILS
McDOWELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet: SW-3

2/19/24

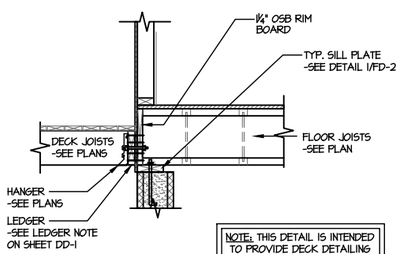
LEDGER NOTE

- LEDGER TO END TRUSS:
  -FASTEN 2x LEDGER (MATCH D.J.) TO END TRUSS VERTICALS W/ (1) ½" DIA. THRU BOLT + (4) 2½"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) ½" DIA. THRU BOLT + (4) 2½"X0.135" NAILS @ 16" O.C.

- PROVIDE (2) BOLTS IN END (2) JOIST BAYS @ EACH END OF DECK
- INSTALL (1) SIMPSON H3 CLIP ON LAST (2) DECK JOISTS @ EACH END OF DECK, CONNECTING SIDE OF JOIST TO TOP OF LEDGER (IRC R502.2.2)

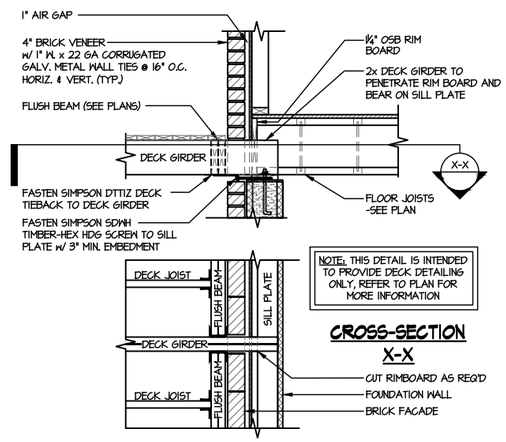
- ALT. LEDGER SPEC:
  FASTEN 2X10 LEDGER TO RIMBOARD W/ (2) ¼" DIA. X 3½" LONG SIMPSON SDS SCREWS @ 16" O.C.

* NOT APPLICABLE AT BRICK CONDITIONS



NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

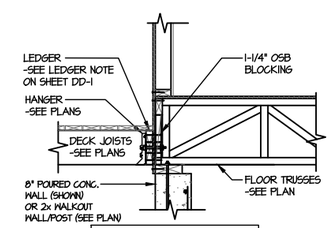
TYPICAL DECK CONNECTION @ CRAWLSPACE
1 SCALE: 3/8"=1'-0"



NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

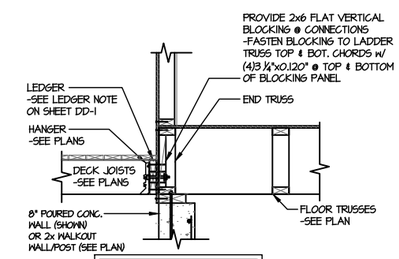
CROSS-SECTION X-X

TYPICAL DECK CONNECTION @ CRAWLSPACE w/ BRICK
2 SCALE: 3/8"=1'-0"



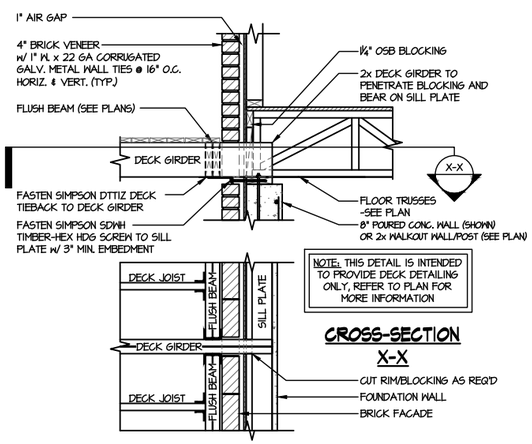
NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

TYPICAL DECK CONNECTION @ BASEMENT
3 SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

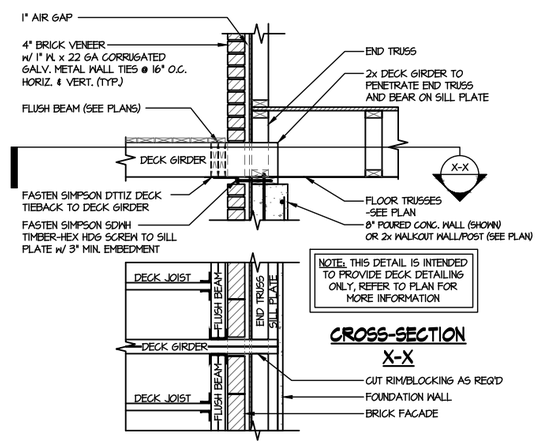
TYPICAL DECK CONNECTION @ BASEMENT
4 SCALE: 3/8"=1'-0" PARALLEL FRAMING



NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

CROSS-SECTION X-X

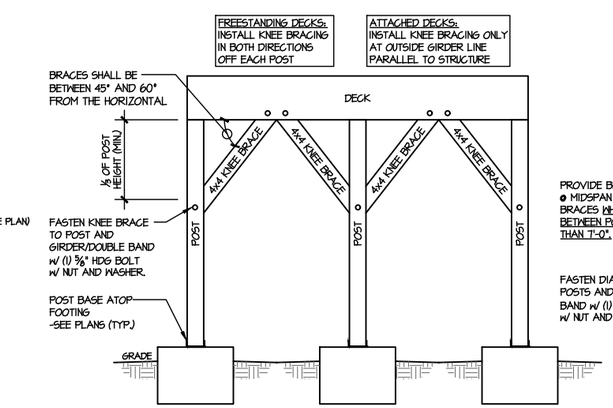
TYPICAL DECK CONNECTION @ BASEMENT w/ BRICK
5 SCALE: 3/8"=1'-0" PERPENDICULAR FRAMING



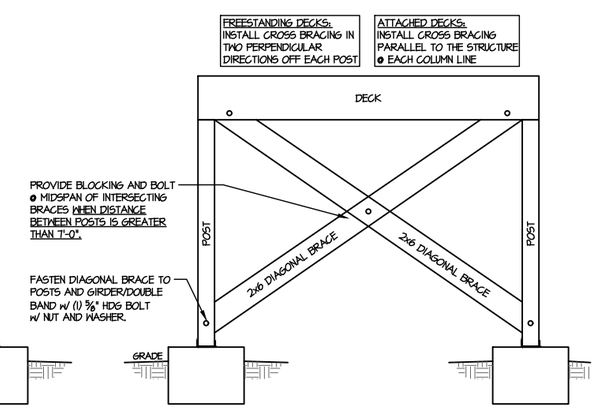
NOTE: THIS DETAIL IS INTENDED TO PROVIDE DECK DETAILING ONLY, REFER TO PLAN FOR MORE INFORMATION

CROSS-SECTION X-X

TYPICAL DECK CONNECTION @ BASEMENT w/ BRICK
6 SCALE: 3/8"=1'-0" PARALLEL FRAMING



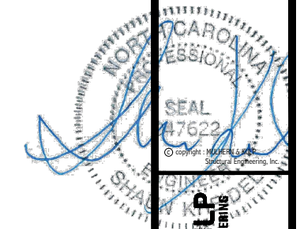
KNEE BRACING



CROSS BRACING

TYPICAL LATERAL BRACING DETAILS FOR DECKS GREATER THAN 4' HIGH
A SCALE: NTS

seal:



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date: initial:

ARCH: v.02.01.00.00

MUNGO HOMES

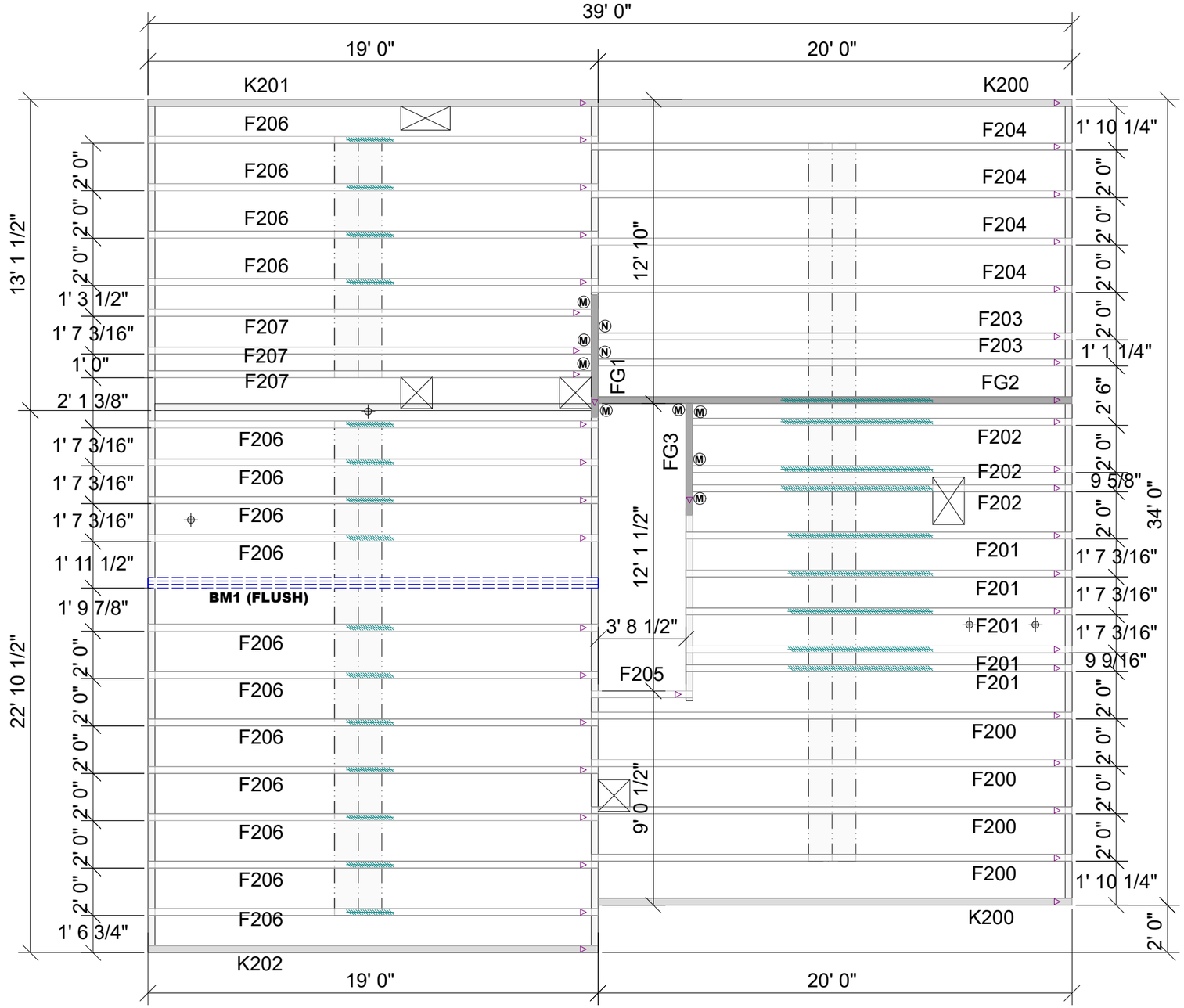
FOUNDATION DETAILS

McDOWELL

WIND SPEED < 115 MPH NORTH CAROLINA

sheet: DD-1

72505509 16 CAMBRIDGE RESERVE



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

2ND FLOOR PLACEMENT PLAN

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.sbcacomponents.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, including 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 Framer 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.

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ROOF AREA:	RIDGE LINE:	VALLEY LINES:	HIP LINES:
0 ft² sqft	0 ft	0 ft	0 ft

MCDOWELL D 2ND FLR

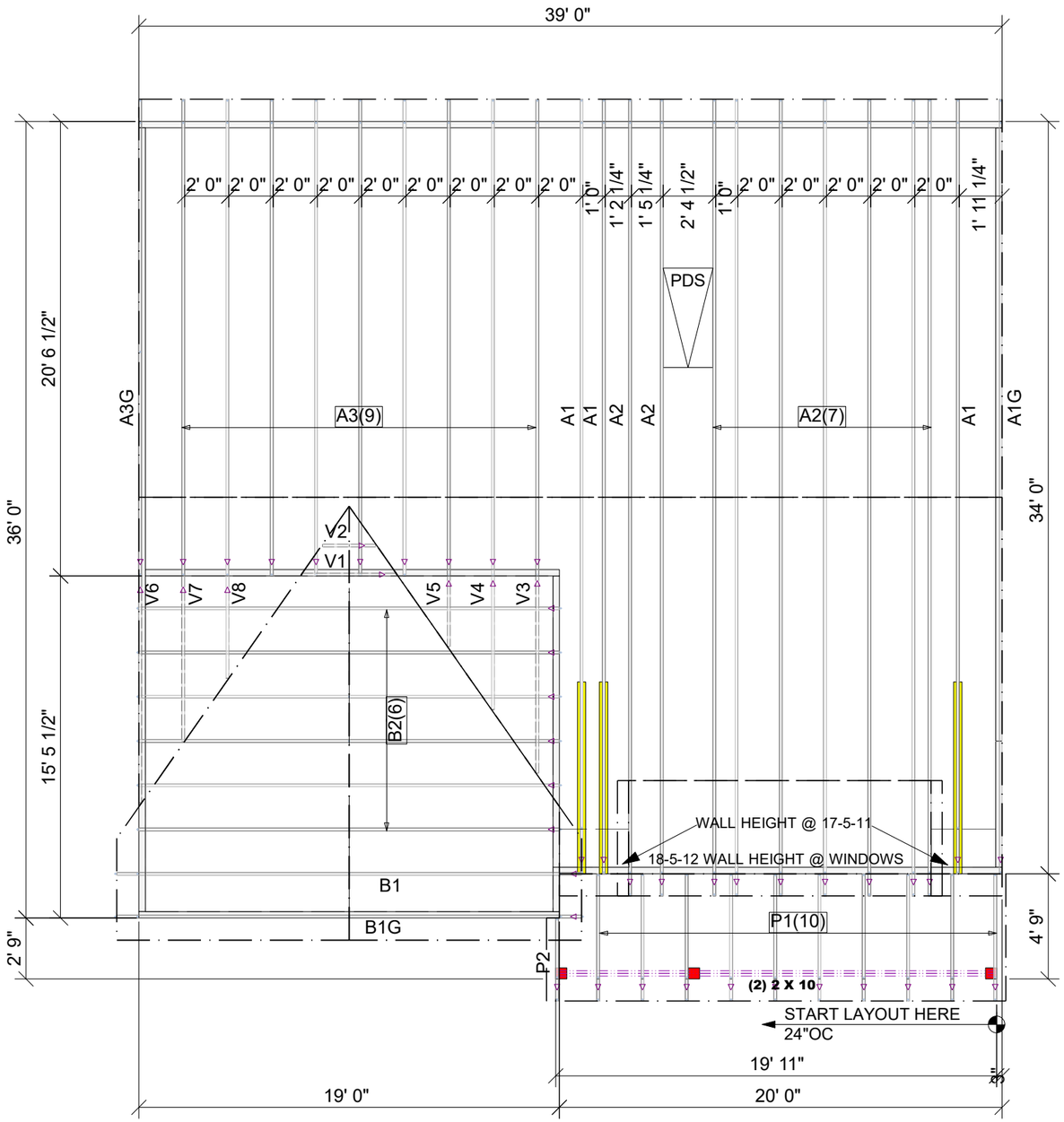
MUNGO HOMES

REVISIONS		
DATE	DESCRIPTION	DSN
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

DESIGNER LJP
LAYOUT DATE 11/20/2024
ARCH DATE -
STRUC DATE -

JOB #: 24111383F2

72505503 16 CAMBRIDGE RESERVE



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

SEE A1 TRUSS DRAWINGS FOR ATTACHMENT OF SCABS TO TRUSS

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 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.sbcacomponents.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 Framer 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

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

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ROOF AREA:	VALLEY LINES:	RIDGE LINE:	HIP LINES:
1812.22 ft² sqft	40.59 ft	58.61 ft	0 ft

MCDOWELL D RF

MUNGO HOMES

DATE	REVISIONS DESCRIPTION	DSN
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

DESIGNER LJP
LAYOUT DATE 01/10/2025
ARCH DATE -
STRUC DATE -
JOB #: 25010328