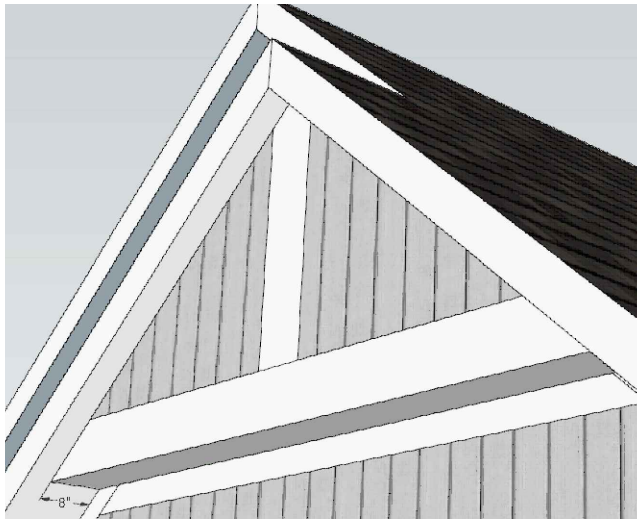
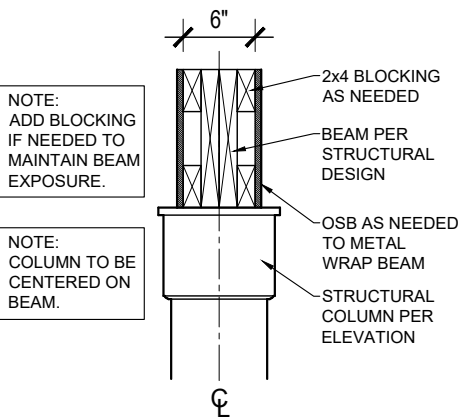
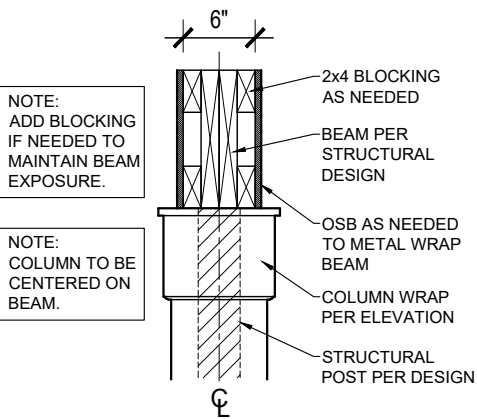




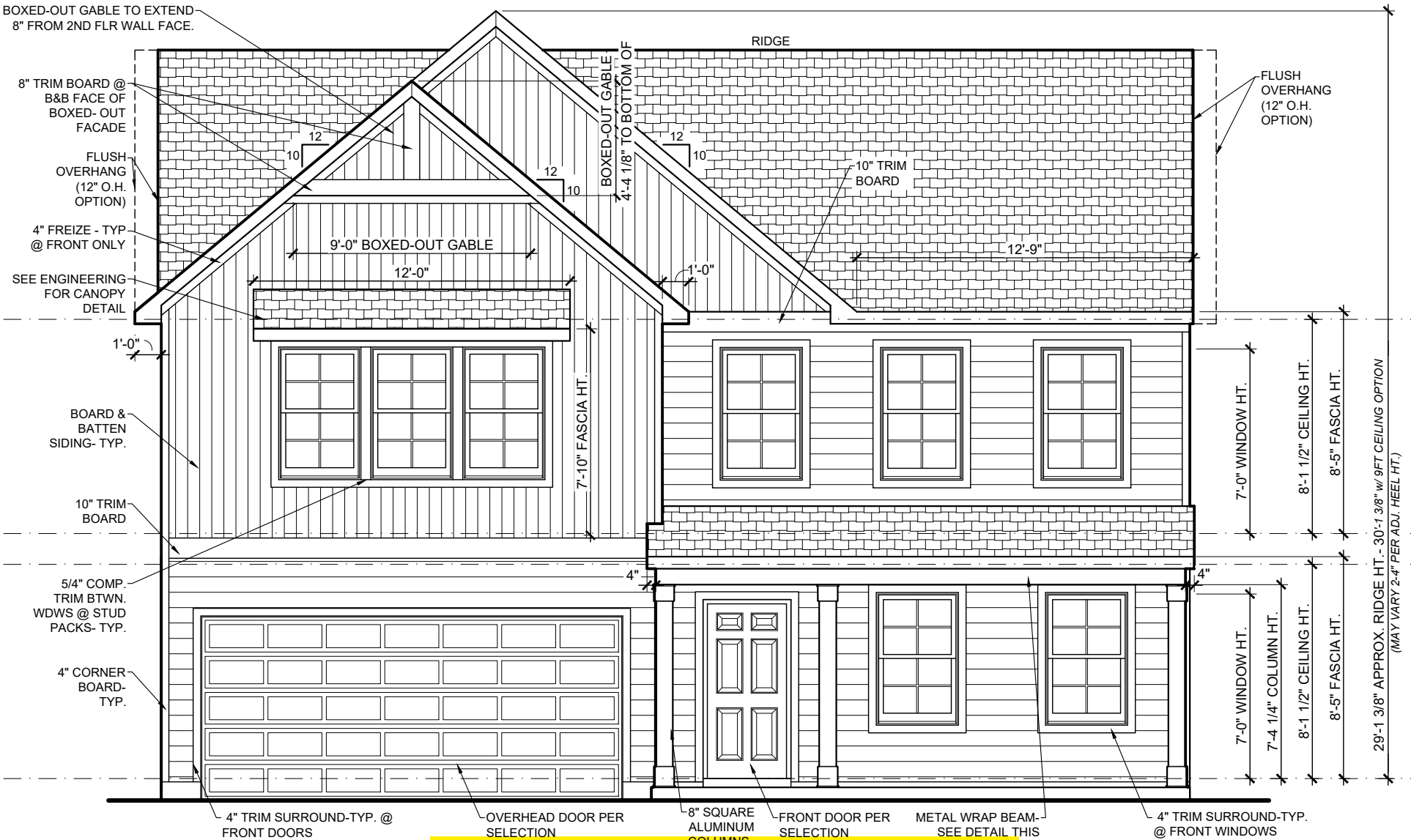
Boxed-Out Gable Detail
N.T.S.



Standard Front Porch Beam Detail w/ Aluminum Column
3/4" = 1'-0"



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.	A2c Elevations w/ Alt. 2nd Floor Opt.	B2b 2nd Flr. w/ Alt. 2nd Flr. Option	E2b 2nd Flr. w/ Alt. 2nd Flr. Option
	A2d Elevations w/ Alt. 2nd Floor w/ 3rd Car Gar. Opt.	B2c 2nd Flr. w/ Alt. 2nd Flr. w/ 3rd Bath Opt.	E2c 2nd Flr. w/ Alt. 2nd Flr. w/ 3rd Bath Opt.
	A3 Elevations w/ Covered Porch Opt.	B3 Foundation Information Sheet	
	A-R1 Roof Plan	B4 Guest Suite Option	
		B5 3rd Car Garage Option	



D Square Footages:

1st Floor	1089
2nd Floor	1468
Garage	431
Front Porch	101
Covered Back Porch	100
3rd Car Garage Option	100

2557

29 LDP

Russell D
Genesis Series
V.03.03.00.00

GARAGE LEFT

Features:

Rev By:
CJA AW EB

Drawn By: AM

Date: 12/2/2024

A1

- 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.



D Square Footages:

1st Floor.....	1089
2nd Floor.....	1488
Alternate 2nd Floor.....	1472
Garage.....	431
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220

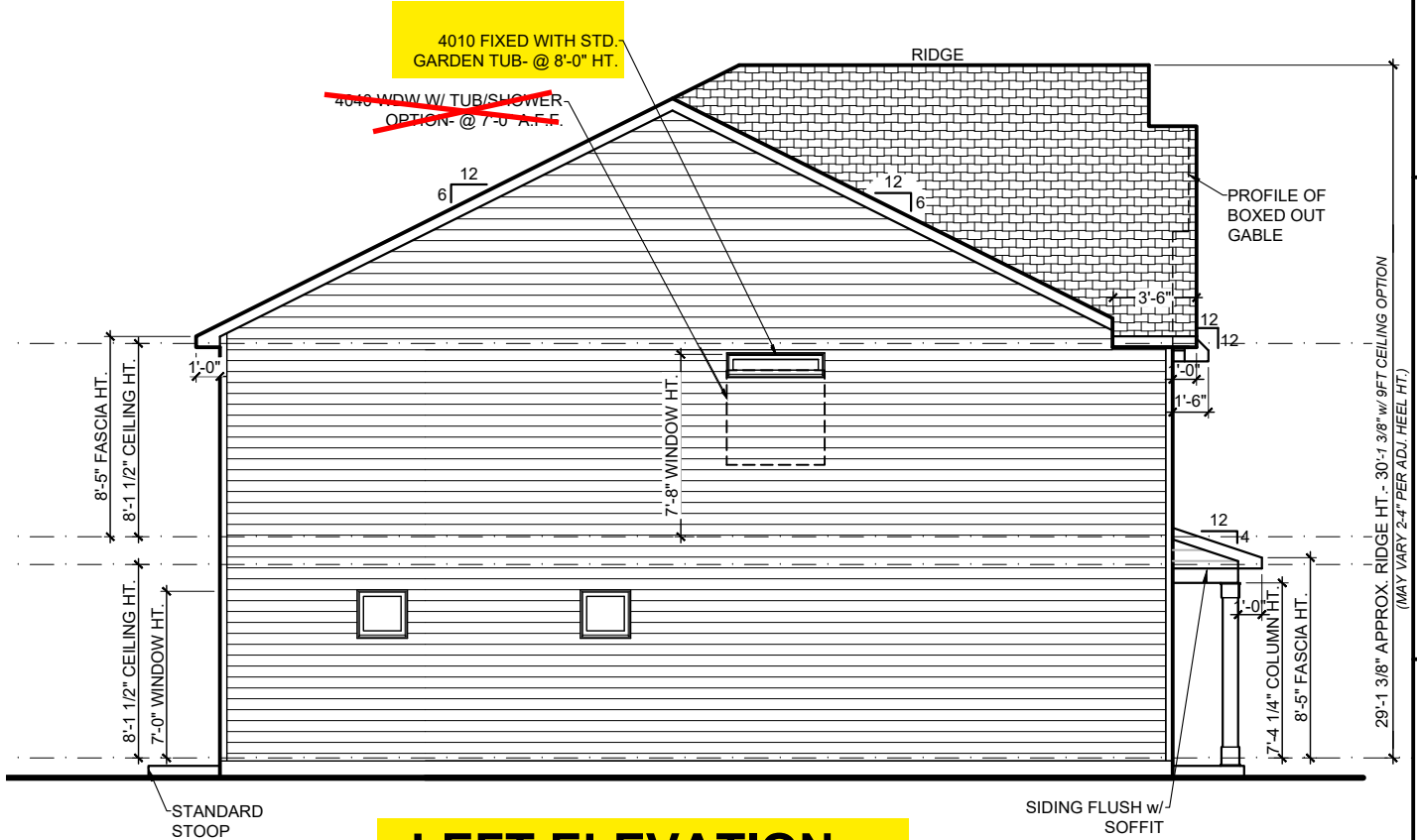
Russell D
Genesis Series
v.03.03.00.00

GARAGE LEFT

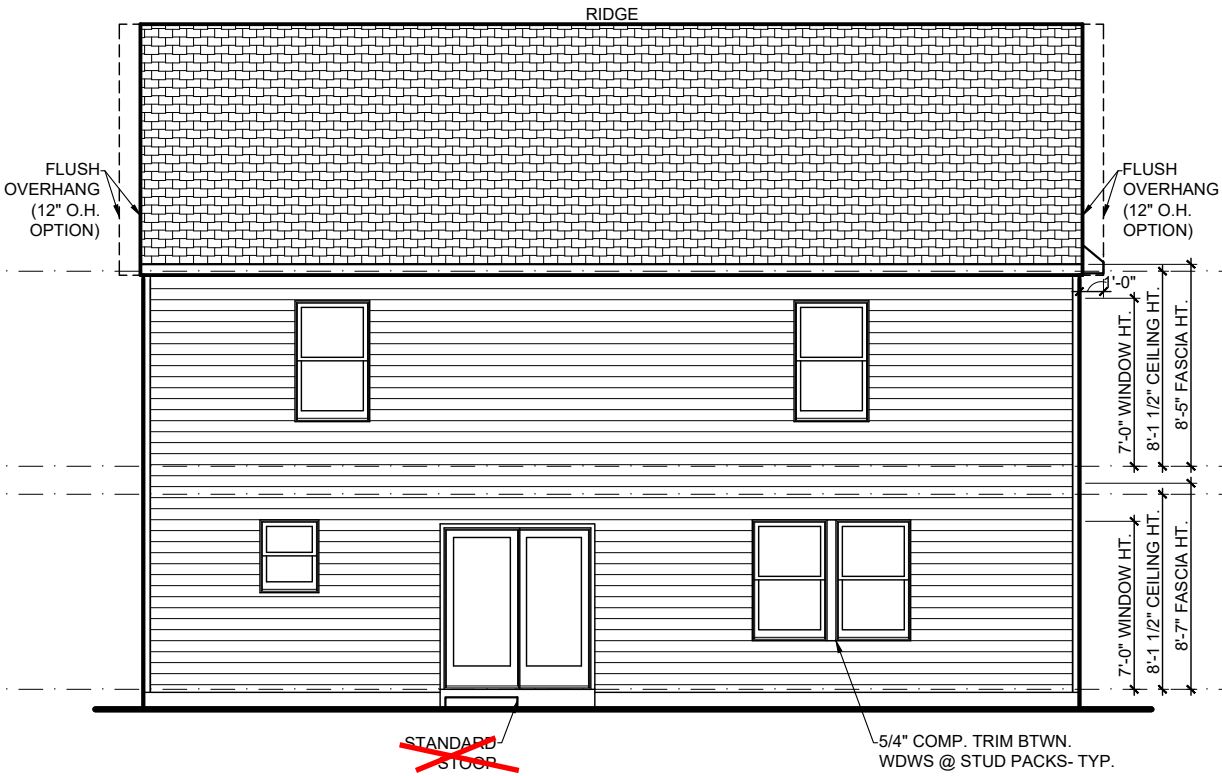
Features:

Drawn By: AM
Rev By: CJA AW EB
Date: 12/2/2024

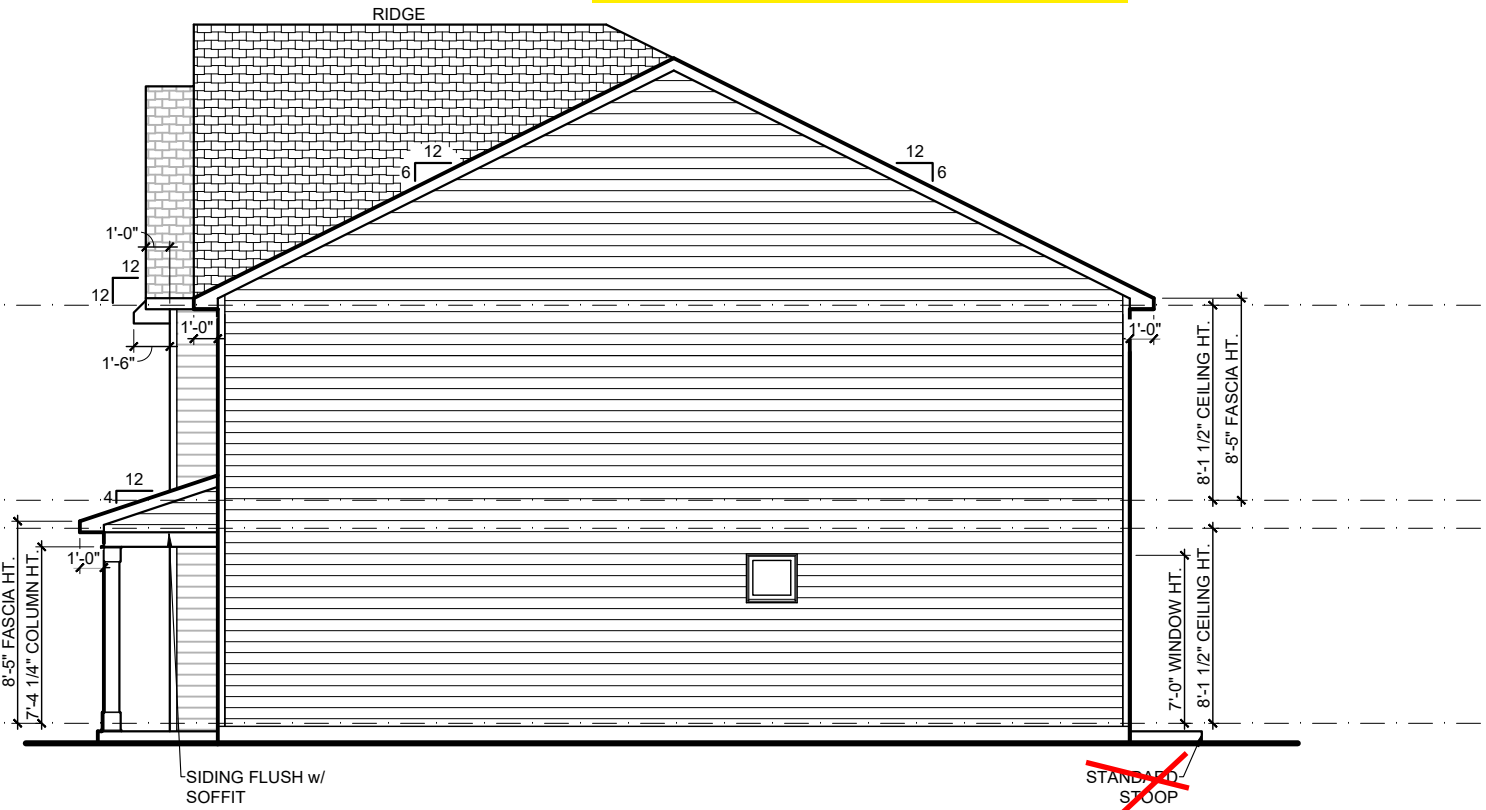
A2



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



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



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



D Square Footages:

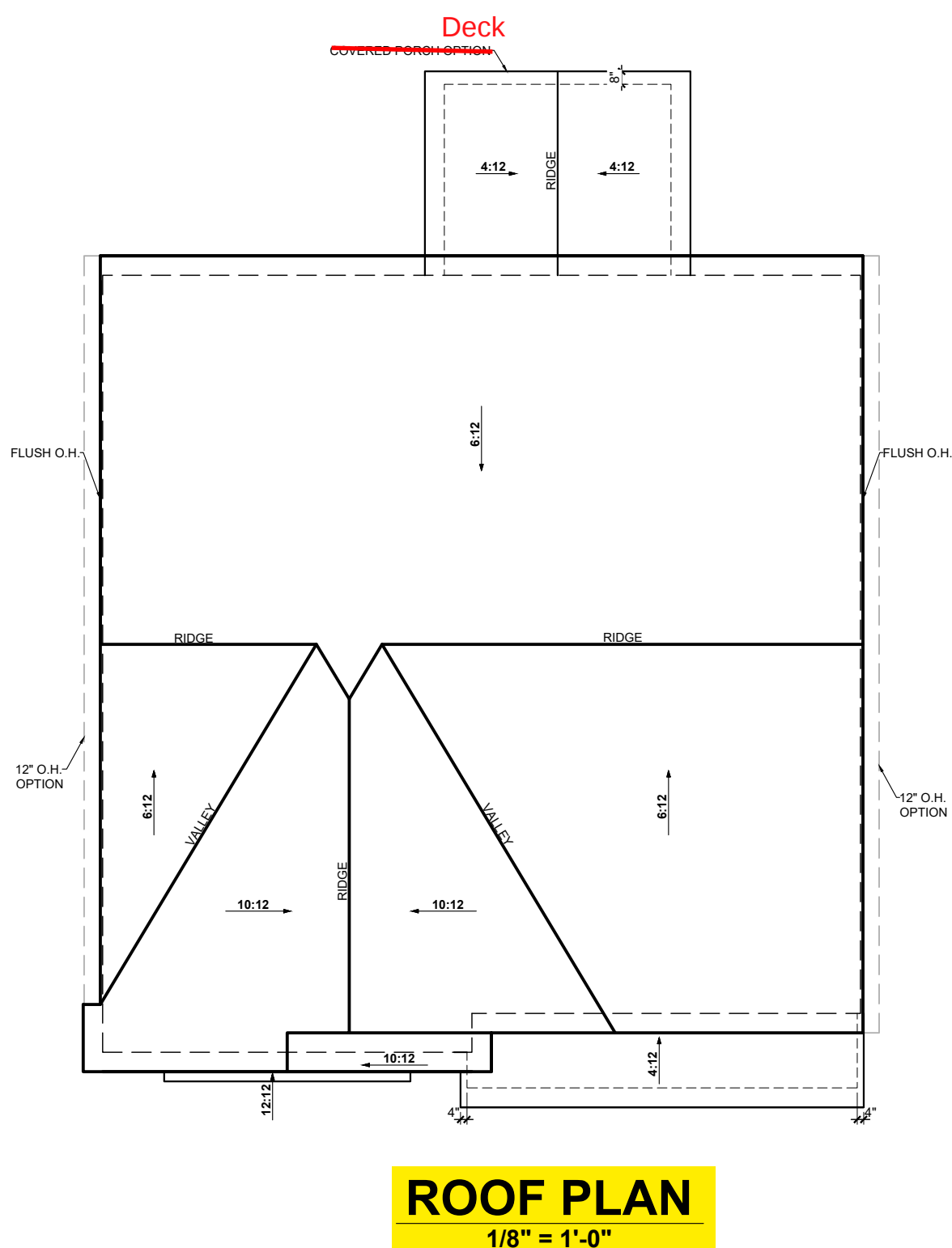
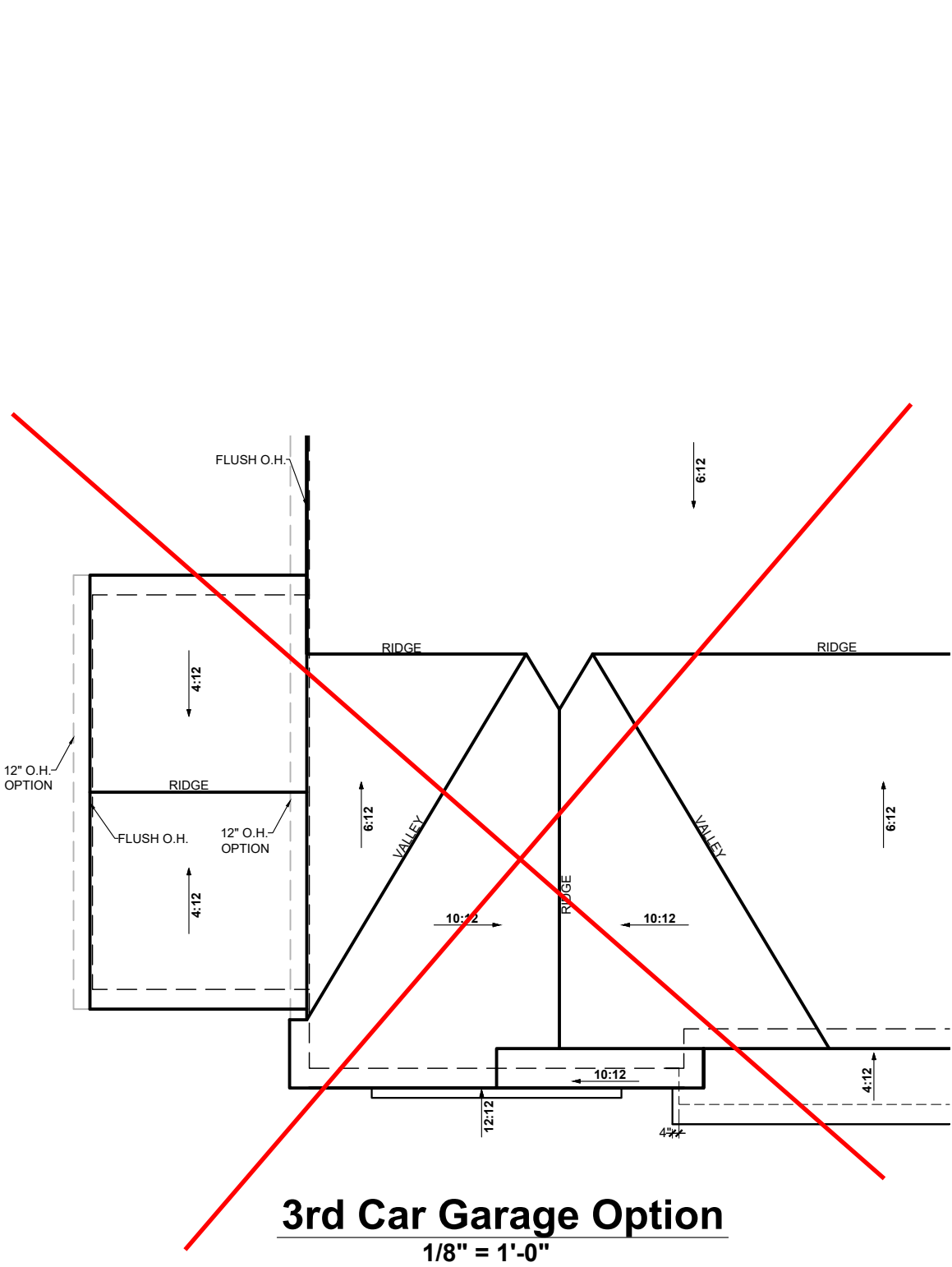
1st Floor.....	1089
2nd Floor.....	1468
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Garage.....	431
Front Porch.....	101
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Russell D
Genesis Series
v.03.03.00.00
GARAGE LEFT

Features:
Drawn By: AM
Rev By: CJA AW EB
Date: 12/2/2024

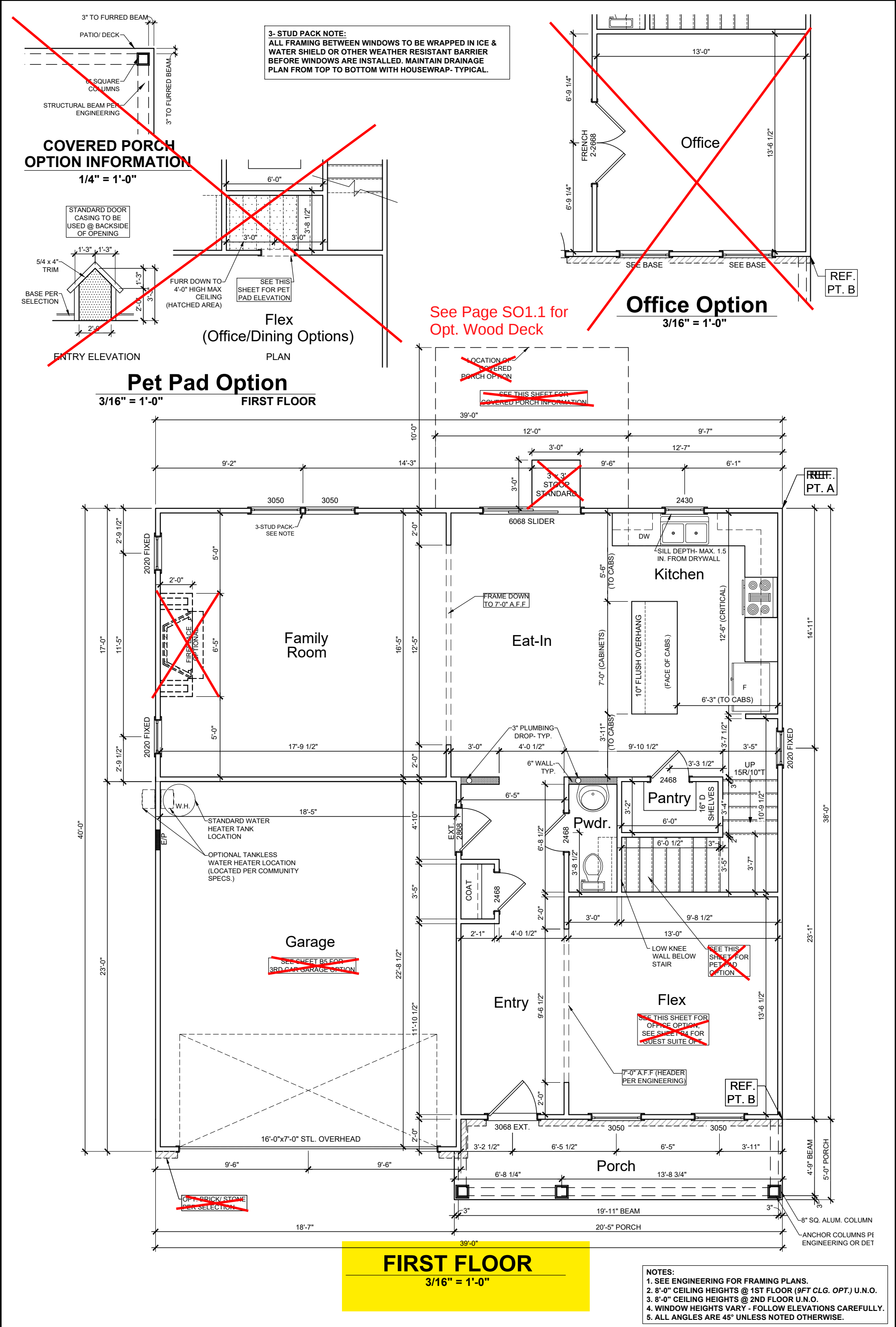
A-R 1

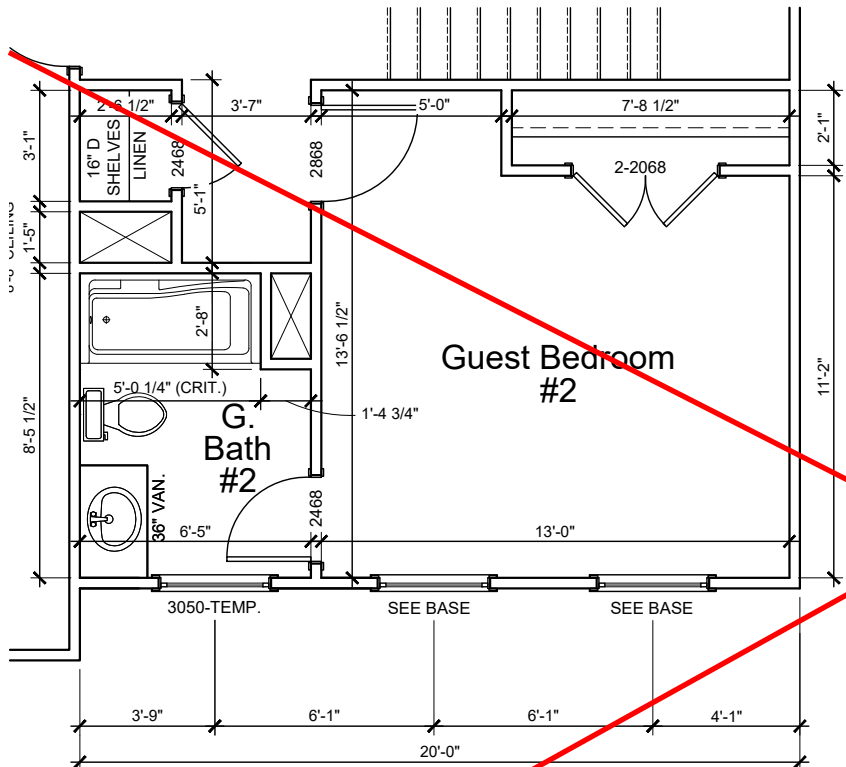
- NOTES:
- 1. ALL OVERHANGS ARE 1'-0" U.N.O.
 - 2. ROOF PLANS *DO NOT* INCLUDE FULL BRICK OPTIONS.
 - 3. ROOF PLANS ARE NOT INTENDED FOR CONSTRUCTION USE. *(INFORMATIONAL USE ONLY)*
 - 4. BE SURE TO CHECK OVERHANG INFORMATION AT PLAN WHEN CALCULATING SOFFIT INTAKE



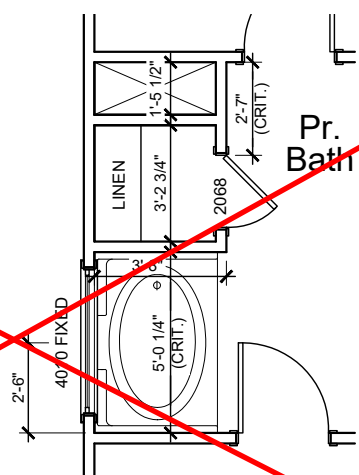
ROOF INFORMATION SUMMARY

MAIN ROOF-	
Base House:	
Attic Square Footage.....	1520 sf
Flat Soffit.....	56 lf
Ridge.....	49 lf
AREA(S) NOT AFFECTING MAIN ROOF-	
Front Porch:	
Attic Square Footage.....	76 sf
Flat Soffit.....	20 lf
Roof to Wall Ridge.....	19 lf
Rear Covered Porch Option:	
Attic Square Footage.....	115 sf
Flat Soffit.....	20 lf
Ridge.....	9 lf

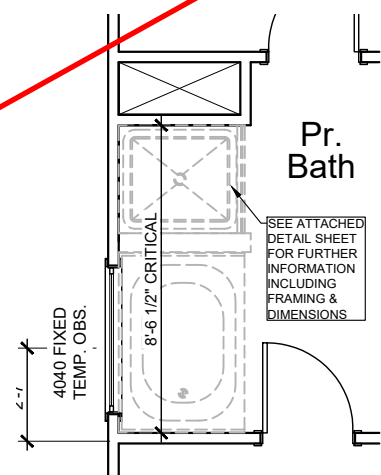




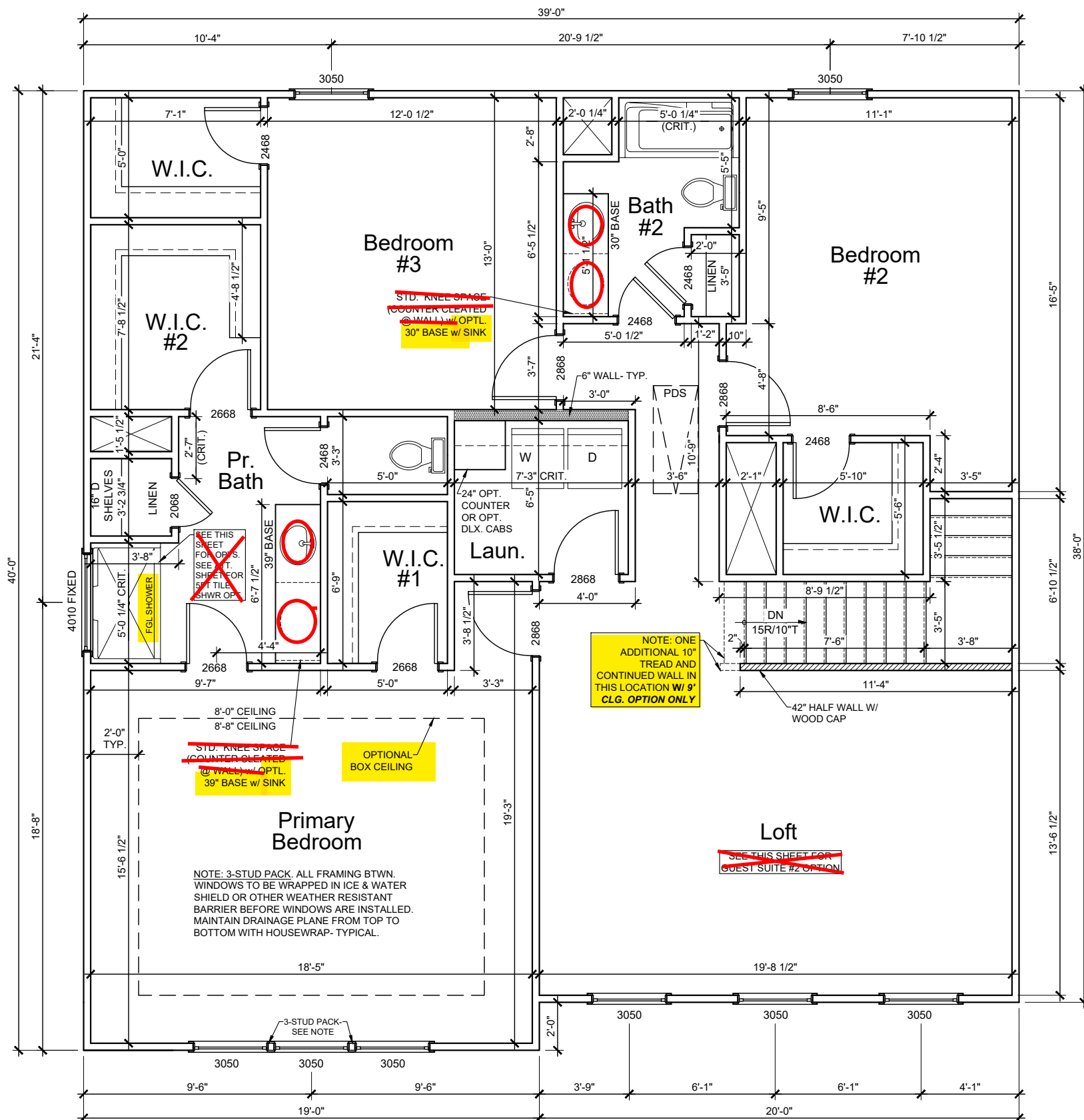
Guest Suite #2 Option
3/16" = 1'-0"
(*NOT AVAILABLE w/ ALT. 2ND FLOOR OPTIONS)



**42" Garden Tub w/
Shower Walls Opt.**
3/16" = 1'-0" @ PR. BATH



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



SECOND 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.

B2

Features:

Drawn By: AM

Rev By:
CJA AW EB

Date: 12/2/2024

Russell D

Genesis Series
v.03.03.00.00

GARAGE LEFT

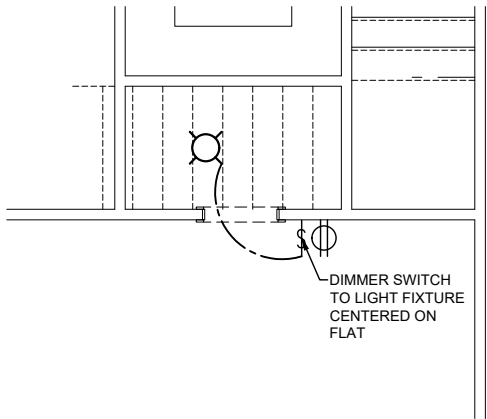
1st Floor.....	1089
2nd Floor.....	1468
Alternate 2nd Floor.....	1472
Garage.....	431
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220

D Square Footages:

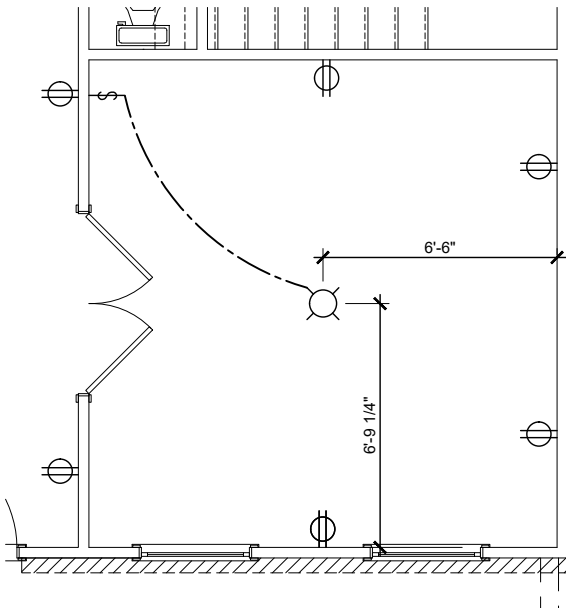


-
- This is a detailed architectural floor plan of a house, including a deck and a porch. The plan is oriented with the deck at the top and the porch at the bottom. Key features and dimensions include:
- Deck:** Located at the top of the plan, measuring 39'-0" wide. It includes a 3'-0" wide section labeled "3' x 3' STOOD STANDARD" and a 3'-0" wide section labeled "3' x 3' STOOD STANDARD". A note "SEE ENGINEERING FOR COVERED PORCH OPTION" is crossed out.
 - Living Area:** The main living area is 23'-5" wide and 17'-0" deep. It features a large fireplace (F) on the right wall, a dining area (DW) with a table and chairs, and a kitchen area (K) with a sink and stove. A note "SEE ENGINEERING FOR COVERED PORCH OPTION" is crossed out.
 - Bedroom:** Located on the left side, measuring 23'-0" wide and 17'-0" deep. It includes a bed (B) and a closet (C). A note "SEE ENGINEERING FOR COVERED PORCH OPTION" is crossed out.
 - Bathroom:** Located in the center, measuring 7'-0" wide and 7'-0" deep. It includes a toilet (T), a sink (S), and a shower (SH). A note "SEE SHEET B4 FOR GUEST SUITE OPTION" is crossed out.
 - Garage:** Located at the bottom left, measuring 23'-0" wide and 17'-0" deep. It includes a car lift (CL) and a storage area (ST). A note "SEE ENGINEERING FOR 3RD CAR GARAGE OPTION" is crossed out.
 - Porch:** Located at the bottom right, measuring 20'-5" wide and 5'-0" deep. It includes a note "ADD OR EXTEND BRICK TOE FOOTING FOR OPT. BRICK VENEER (TYP.)" which is crossed out.
 - Dimensions:** The overall dimensions of the house are 39'-0" wide and 43'-0" deep. The deck is 39'-0" wide and 17'-0" deep. The living area is 23'-5" wide and 17'-0" deep. The bedroom is 23'-0" wide and 17'-0" deep. The bathroom is 7'-0" wide and 7'-0" deep. The garage is 23'-0" wide and 17'-0" deep. The porch is 20'-5" wide and 5'-0" deep.
 - Annotations:** The plan includes several annotations, including "REF. PT. A" and "REF. PT. B", and various notes regarding engineering and construction options.

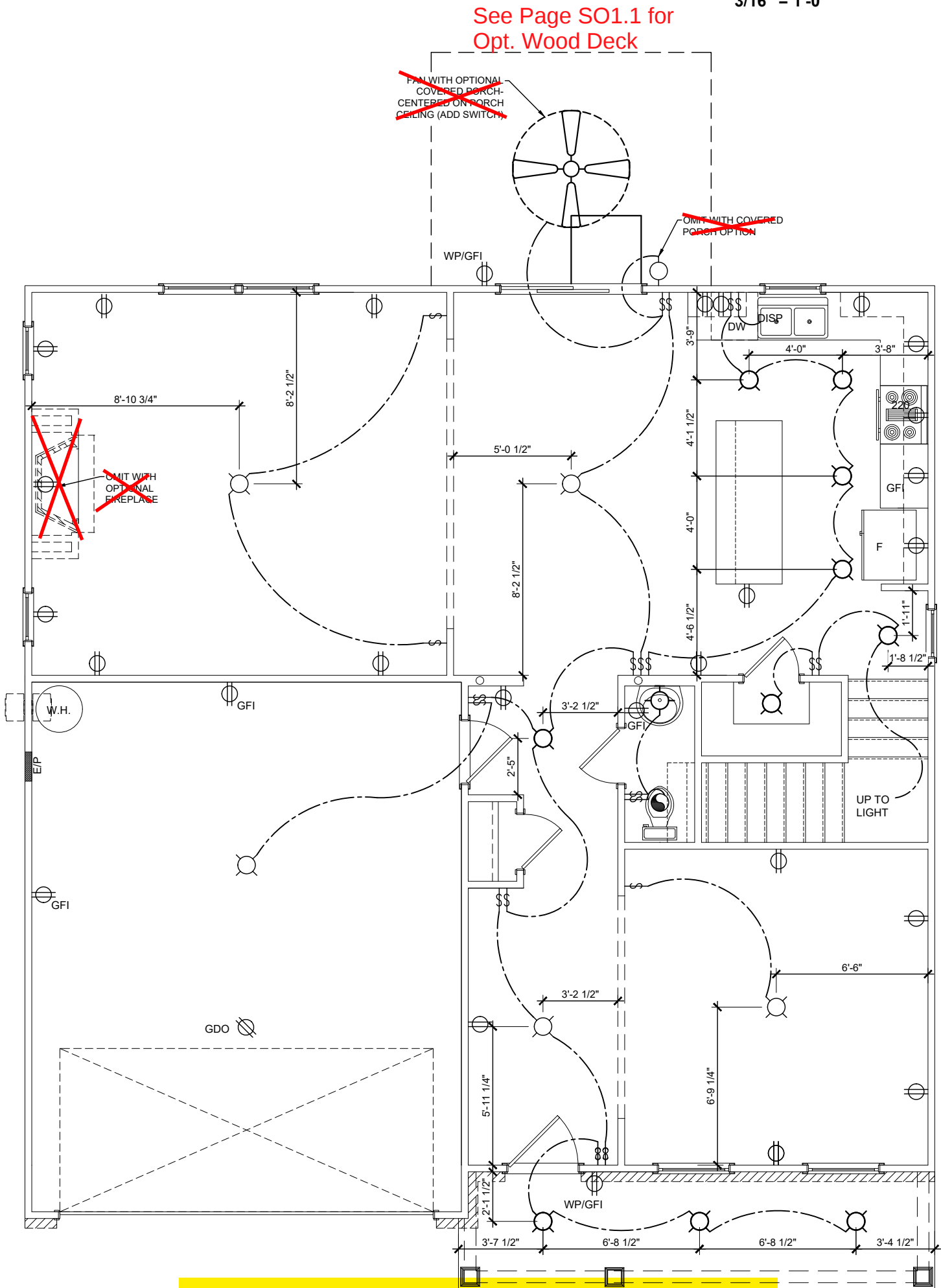
$$\frac{3}{16}'' = 1'-0''$$



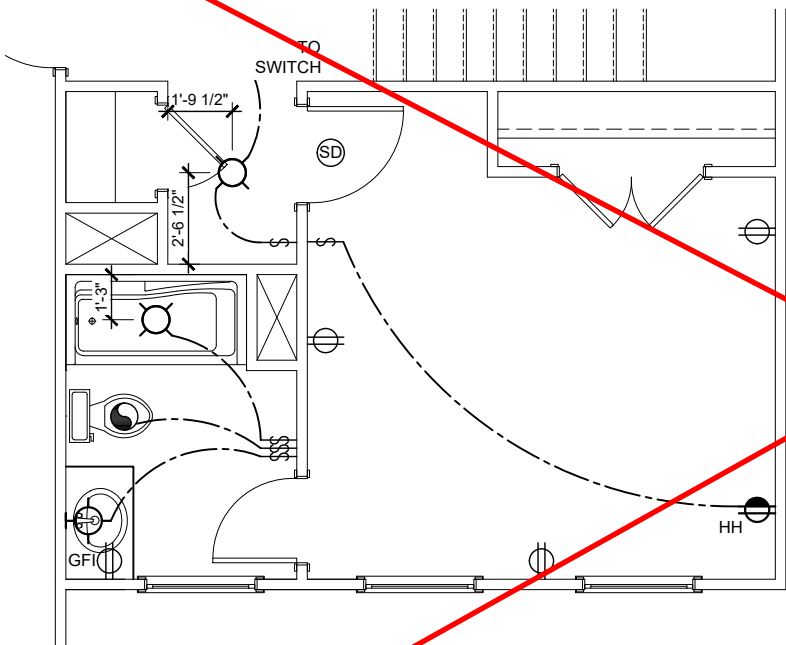
Pet Pad Option
FIRST FLOOR 3/16" = 1'-0"



Office Option
3/16" = 1'-0"

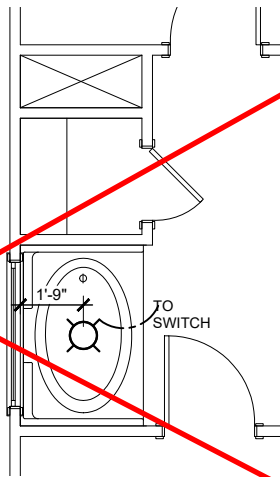


FIRST FLOOR - ELECTRICAL
3/16" = 1'-0"



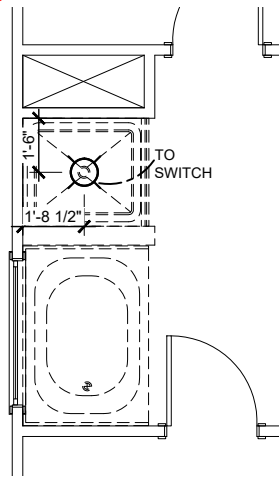
Guest Suite #2 Option

3/16" = 1'-0"
(*NOT AVAILABLE w/ ALT. 2ND FLOOR OPTIONS)



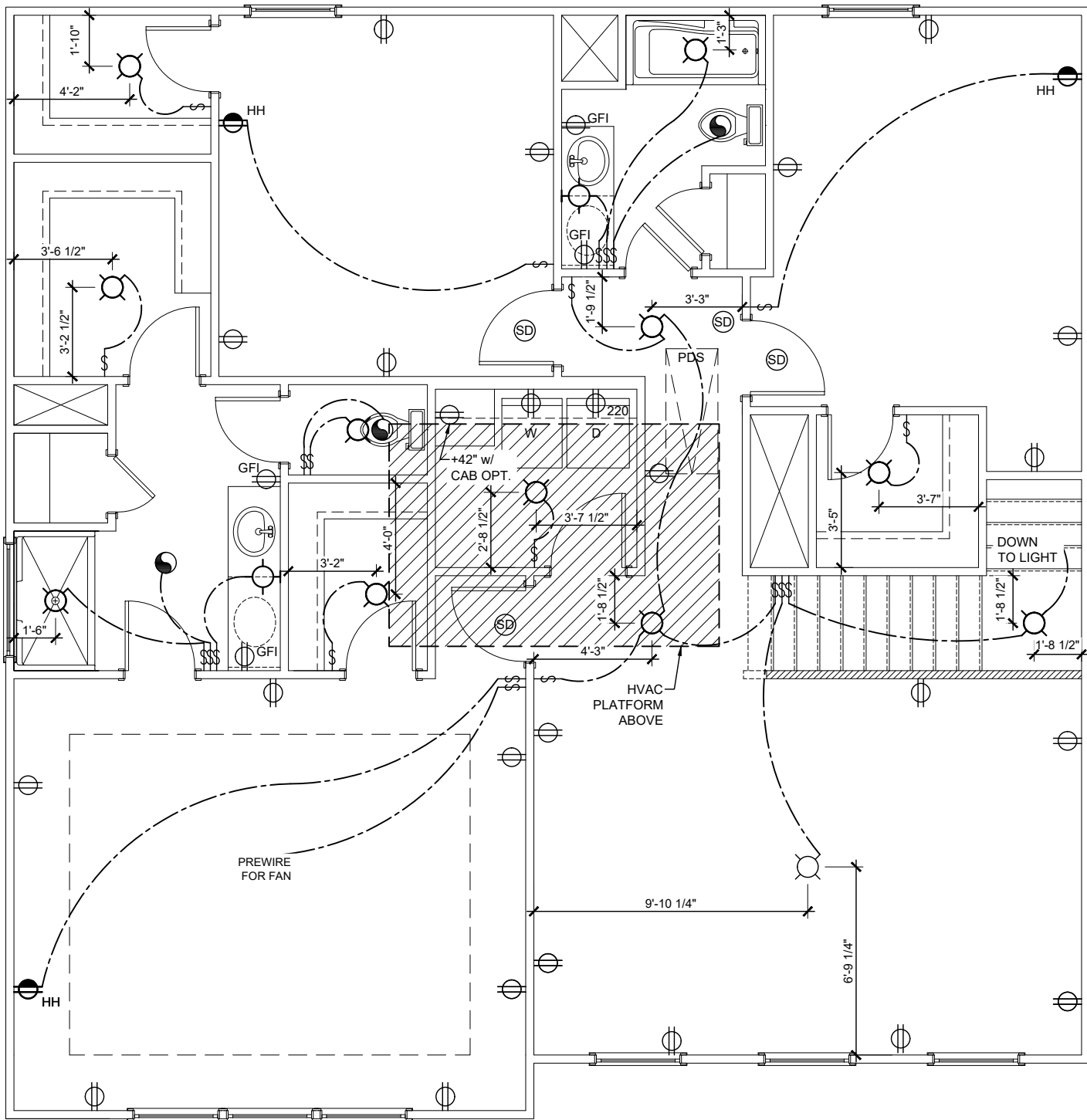
**42" Garden Tub w/
Shower Walls Opt.**

3/16" = 1'-0" @ PR. BATH



**Tub/ Shower
Option**

FOR ORIENTATION PURPOSES ONLY
@ PRIMARY BATH @ 2ND FLOOR



SECOND FLOOR - ELECTRICAL

3/16" = 1'-0"

E2

Features:

Drawn By: AM

Rev By:
CJA AW EB

Date: 12/2/2024

Russell D

Genesis Series
v.03.03.00.00

GARAGE LEFT

1st Floor.....	1089
2nd Floor.....	1468
Alternate 2nd Floor.....	1472
Garage.....	431
Front Porch.....	101
Covered Porch Option.....	120
3rd Car Garage Option.....	220

D Square Footages:



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

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS SOLE PL. TO JOIST/RIM OR BLK'G NAILS @ 6" o.c.	(3) TOENAILS* 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 & ADJACENT FULL-HEIGHT STUD TO END OF HEADER	(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 H25T	(4) TOENAILS + (1) SIMPSON H25T
GAB. END TRUSS TO DBL. TOP PL. R.T. w/ HEEL HT. 9 1/4" TO 12"	TOENAILS @ 8" o.c. 2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" o.c.	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.	

* 2 1/2"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"x 1/4"
6'-0"	3 FT. MAX	L3"x3"x 1/4"
	12 FT. MAX	L4"x3"x 1/4"
8'-0"	20 FT. MAX	L5"x3 1/2"x 3/8"
	3 FT. MAX	L4"x4"x 1/4" *
12'-0"	12 FT. MAX	L5"x3 1/2"x 3/8"
	16 FT. MAX	L6"x3 1/2"x 3/8"
9'-6"	12 FT. MAX	L6"x3 1/2"x 3/8"
16'-0"	2 FT. MAX	L7"x4"x 1/2" **
	3 FT. MAX	L8"x4"x 1/2" **

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
-> 16" SHALL NOT BE FASTENED BACK TO HEADER.
-> 16" SHALL BE FASTENED BACK TO WOOD HEADER
IN WALL @ 48" o.c. w/ 1/2" DIA. x 3 1/2" LONG LAG
SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX VENEER HT. APPLIES TO ANY PORTION OF
BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LEG VERTICAL.
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR
TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE
FIELD TO BE 3 1/4" WIDE OVER THE BEARING
LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR
JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL
CONDITION NOT ENCOMPASSED BY THE ABOVE
PARAMETERS. FOR ANY LINTEL FASTENED BACK
TO BEAM, FASTENERS SHALL MAINTAIN A 2 1/2"
(MINIMUM) CLEAR DISTANCE FROM BOT. OF BEAM.
** FOR QUEEN VENEER USE L4"x3 1/4".
*** FOR 3/4" VENEER ONLY. SEE PLAN FOR VENEER
SUPPORT IF VENEER < 3/2" THICK.

MKG STD. - 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/ 1" MIN. EMBEDMENT
OR SIMPSON MASA ANCHORS @ 6'-0" O.C.
 - SIMPSON STRONG-BOLT 2 WEDGE ANCHOR (STB2-50100
- 1/2" @ 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
f_y = 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 1% 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 GM, GP, SM, SP (30 pcft) OR GM, GC, SM,
SM-SC, ML (45 pcft). IF SC, ML-CL, OR CL (60 pcft) SOIL IS
ENCOUNTERED ON SITE, CONTACT MULHERN & KULP FOR FURTHER
EVALUATION OF FOUNDATION DESIGN.
- CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C40 WITH A MIN.
COMPRESSIVE STRENGTH OF 1900 psi (F_m=1500 psi). MORTAR SHALL
BE ASTM C210, TYPE S. CMU DESIGN PER TMS 402/602.
- CMU FOUNDATION WALLS SHALL HAVE 'DUR-O-WALL' HORIZONTAL
JOINT REINFORCEMENT (OR EQUAL) - 1 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.

MUNGO - MAY 2017

EXTERIOR & SHEAR WALL
SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST
LATERAL FORCES RESULTING FROM:
115 MPH WIND IN 2018 NCSBG:RC
(115 MPH WIND SPEED IN ASCE 7-10
WIND MAP, PER NCSBG R301.2.1.1)
EXP. B & SEISMIC CAT. A/B.
THE ENGINEERED DESIGN WAS COMPLETED PER
2015 IBC (SECTION 1604) & ASCE 7-10,
AS PERMITTED BY R301.1.3 OF THE 2018 NCSBG.

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

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD: 
FASTEN SHEATHING w/ 2 3/8"x0.113 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

- 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 NET 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 I (OR APPROVED EQUAL) WITH TONGUE AND
GROOVE EDGES. FASTEN TO FRAMING MEMBERS w/ GLUE AND:
 - 2 1/2" x 0.131" NAILS @ 6" o.c. # PANEL EDGES & @ 12" o.c. FIELD.
 - 2 3/8" x 0.120" NAILS @ 4" O.C. # PANEL EDGES & @ 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 I (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 0.113" 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 H25A
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 H25A CLIPS OR APPR. EQUAL
(TYP. U.N.O. ON PLANS)
- TRUSS ALL VALLEY SETS. FASTEN TO TRUSS BELOW w/ SIMPSON
H25A 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 WTC & TPI'S BC51 I
"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 1" SPAN).

MUNGO - MAY 2017

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

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE RESIDENTIAL
CODE.
- WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN
SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- MODEL IS CONSIDERED AS "FULLY ENCLOSED". OPENING
PROTECTION PER BUILDER (MINIMUM STRUCTURAL PANELS PER
CODE)
- DESIGN LOADS:
ROOF LIVE = 20 PSF, DEAD = 17 PSF
ATTIC = 20 PSF AT HT. > 42"
LOAD DURATION FACTOR = 1.25
FLOOR LIVE = 40 PSF (30 PSF AT SLEEPING AREAS)
DEAD = 15 PSF (10 PSF T.C., 5 PSF B.C.) (TRUSSES)
= 10 PSF (1-JOISTS/6'W/IN)
(ADD'L 10 PSF AT TILE)
WIND S115 MPH, EXPOSURE B
SEISMIC DESIGN CATEGORY A/B

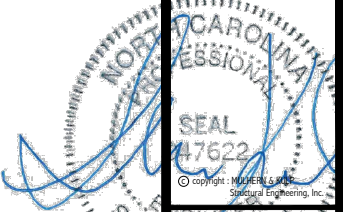
GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD
CONNECTIONS TABLE (IRC TABLE R602.3(1)) OR ON PLANS. ALL
NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR
CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER
MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY.
NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL
FRAMING GUN NAILS.
- EXT. & INT. BRG./SHEAR WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON
PLANS) @ 16" O.C. SFP/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 (SFP) 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=2.0x10⁶ psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
 - 'LVL' - Fb=2400 psi; FcII=2500 psi; E=1.8x10⁶ psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLYS
TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS
1/4"x3/4" SIMPSON SDS SCREWS (OR 3/4" TRUSLOK SCREWS) @ 16"
O/C. ALT. FASTENING SPEC FOR 3 PLY BEAMS ONLY: FASTEN PLYS
TOGETHER WITH 2 ROWS OF 1/2" DIA. THRU BOLTS @ 16" O.C. USE A
MINIMUM OF 4 ROWS (NAILS/SCREWS) OR 3 ROWS (BOLTS) FOR BEAM
DEPTH OF 14" OR GREATER. APPLY NAIL/SCREEN FASTENING AT
BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM
FASTENERS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE
ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLYS
TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4"
TRUSLOK SCREWS) @ 16" O/C OR 2 ROWS OF 1/2" 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 SCREEN FASTENING
AT BOTH FACES (ONE SIDE ONLY FOR TRUSLOK SCREWS). LOCATE
TOP AND BOTTOM FASTENERS 2" FROM EDGE. A SOLID 1" BEAM IS
ACCEPTABLE.
- REFER TO IRC FASTENING SCHEDULE TABLE R602.3(1) FOR ALL
CONNECTIONS, TYP. U.N.O.
- FASTEN ALL METAL CONNECTORS (I.E. HANGERS, CLIPS, ETC) PER
MANUFACTURER'S SPECIFICATIONS FOR MAXIMUM TABLE LOAD
VALUE U.N.O.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS
CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.
- CORROSION NOTES:
 - BUILDER RESPONSIBLE TO DETERMINE CORROSION-RESISTANCE
REQUIREMENTS AND COMPATIBILITY OF HARDWARE, FASTENERS
AND CONNECTORS FOR ENVIRONMENTAL EXPOSURE AND IN
CONTACT w/ PRESERVATIVE-TREATED WOOD OF ACTUAL FINAL
CONDITIONS AND SOURCED MATERIALS. CONTACT LUMBER &
HARDWARE SUPPLIERS TO COORD.
- BASEMENT INTERIOR BEARING WALLS & EXTERIOR WALK-OUT
BASEMENT WALLS SHALL BE 2x6 @ 16" O.C. SFP OR GYP, "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

2/20/24

seal:



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



M&K project number:

192-19039

project mgr:

SMK

drawn by:

NGG

issue date:

12-20-19

REVISIONS:

date:

initial:

ARCH: v.01.00.00.00



GENERAL STRUCTURAL NOTES

RUSSELL

WIND SPEED < 115 MPH NORTH CAROLINA

sheet:

SO.0

INSTALL (8) #10x2½" STRONG-DRIVE SD SCREWS TO SIDE OF THE BEAM

MIN. 3¼" INSIDE COLUMN DIAMETER

SIMPSON CMST14 STRAP

SIMPSON HD3B w/ (2) ¾"φ STRAP BOLTS w/ THD501200H w/ 10" EMBEDMENT INTO SLAB

4¾" MIN. END DISTANCE TO ANCHOR

5/8" MIN. FROM BOTTOM OF BEAM TO CENTER OF LOWEST FASTENER

1¾" EDGE DISTANCE TO ANCHOR

1½" MIN.

EXTERIOR SHEAR WALL ABOVE

FASTEN SOLE PLATE OF WALL TO 2x BLOCKING w/ 3"x0.131" NAILS @ 6" O.C.

PROVIDE 2x BLOCKING BETWEEN TRUSSES, FASTEN W/ (2) 3 1/4"x0.131" TOENAILS @ EA. END.

2x6 BLOCKING BETWEEN TRUSSES FASTENED TO EA. STUD w/ (3) 3"x0.131" NAILS OR (3) 3"x0.120" NAILS

FASTEN SHEATHING TO BLOCKING w/ 3"x0.131" NAILS @ 6" o.c.

ROOF TRUSSES (SEE PLAN)

FASTEN SOLE PLATE OF WALL TO ROOF TRUSS w/ (1) SIMPSON H25A CLIP @ 24" O.C.

FULL DEPTH OSB BLOCKING BETWEEN ROOF TRUSSES, FASTEN FLOOR SHTG. TO BLOCKING w/ 2 1/2"x0.131" NAILS @ 6" O.C.

FASTEN ROOF TRUSS TO TOP PLATE OF WALL WITH SIMPSON H25A CLIP

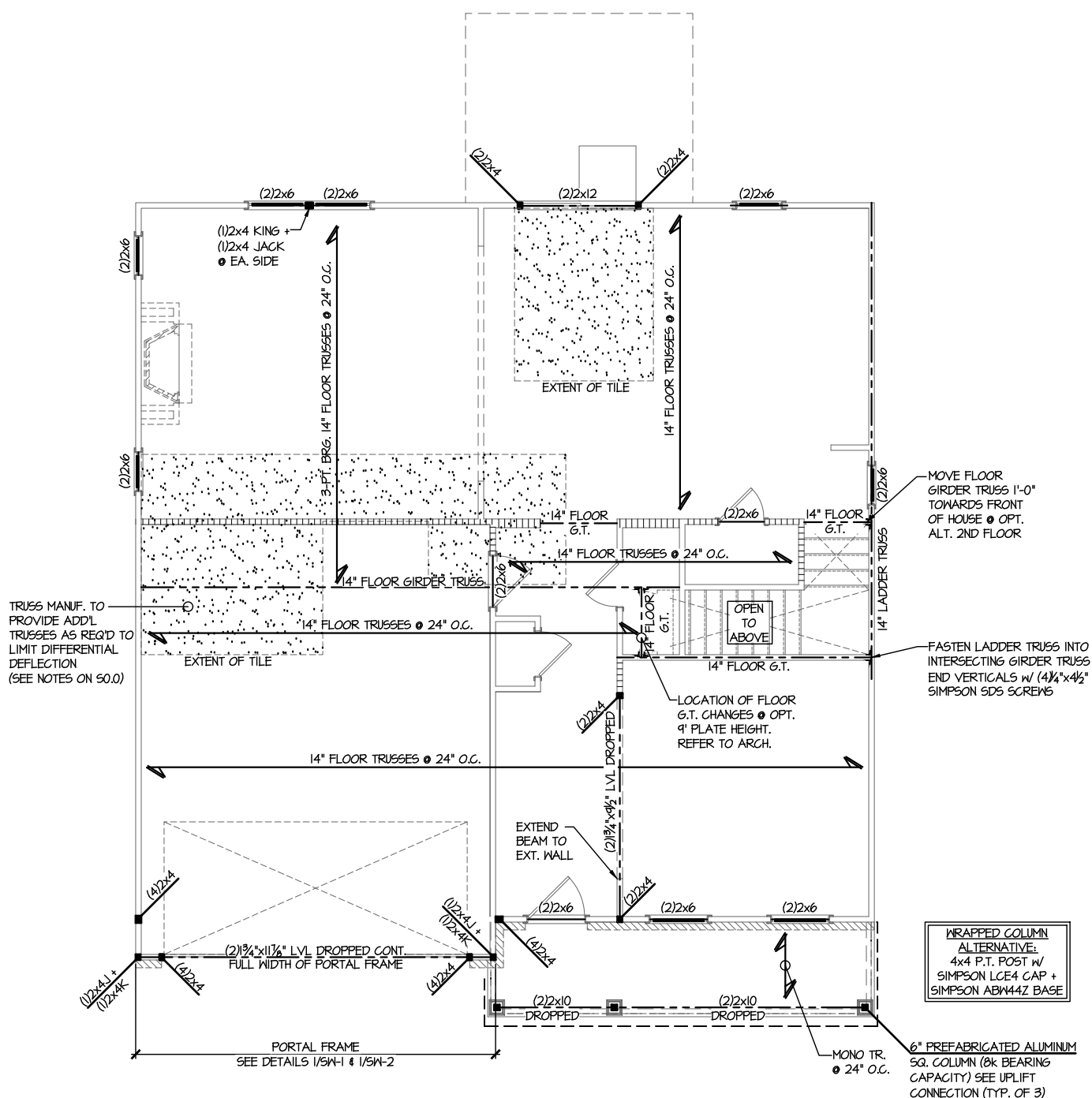
EXTERIOR SHEAR WALL

FLOOR TRUSSES (SEE PLAN)

BLOCKING IN EVERY TRUSS BAY FASTENED TO DBL. TOP PLATE w/ 3"x0.131" TOENAILS @ 6" O.C. OR 3"x0.120" TOENAILS @ 4" O.C.

ROOF TRUSSES BEAR @ EXTERIOR WALL

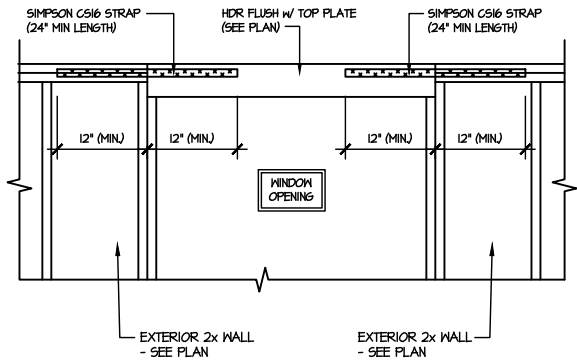
See Page SO1.1 for
Opt. Wood Deck



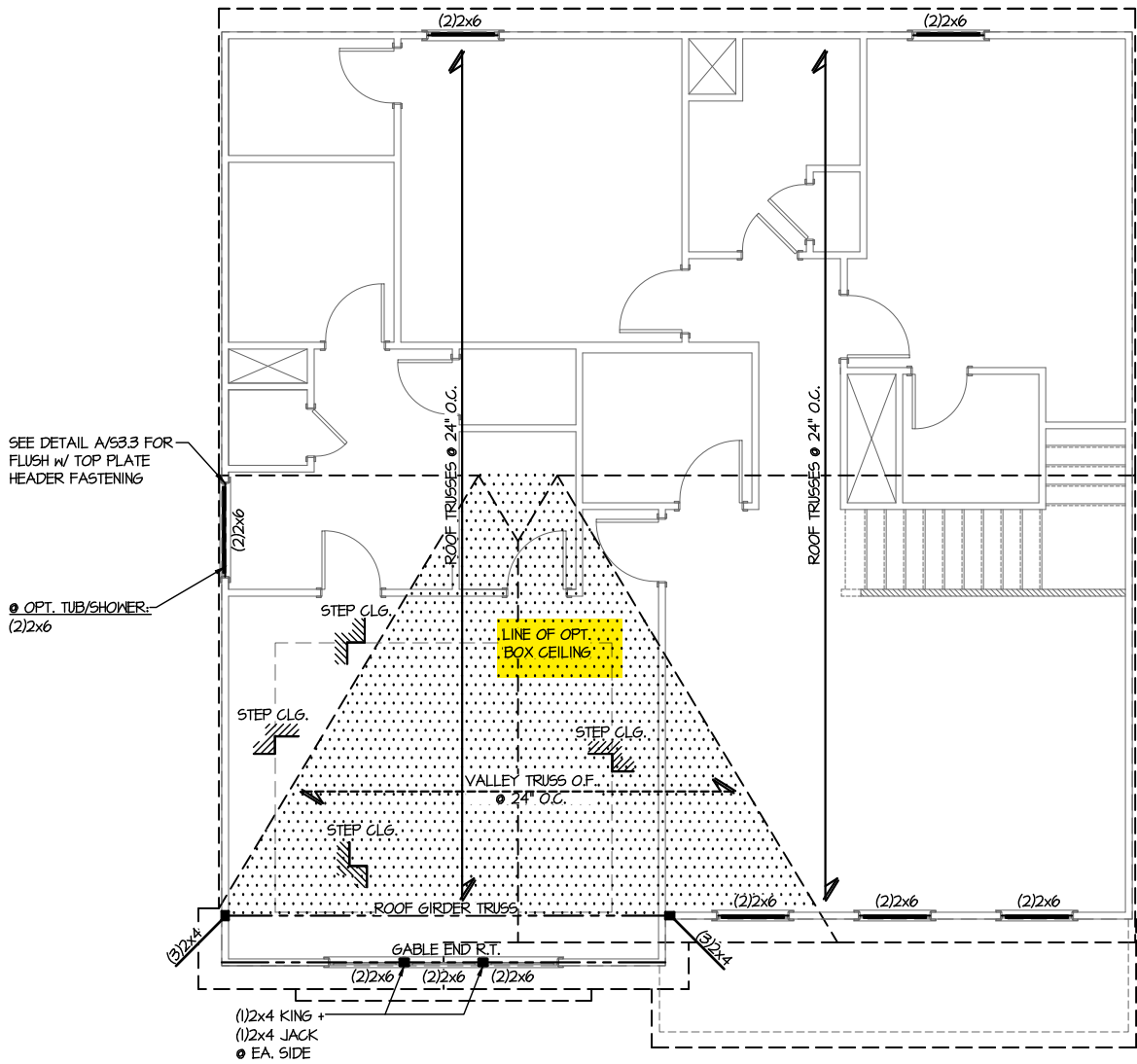
PLAN DESIGNED FOR
8' -OR- 9' PLATE HEIGHT

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

ROOF HARDWARE SCHEDULE ELEVATION D	
QTY	PRODUCT
112	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 ROOF FRAMING PLAN
SCALE: 1/8\"/>

PLAN DESIGNED FOR
8' PLATE HEIGHT

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

Sheet: **S3.3**

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

ARCH: 01.00.00.00

date: initial:

REVISIONS:

drawn by: NGG
issue date: 12-20-19

project mgr: SMK
192-19039

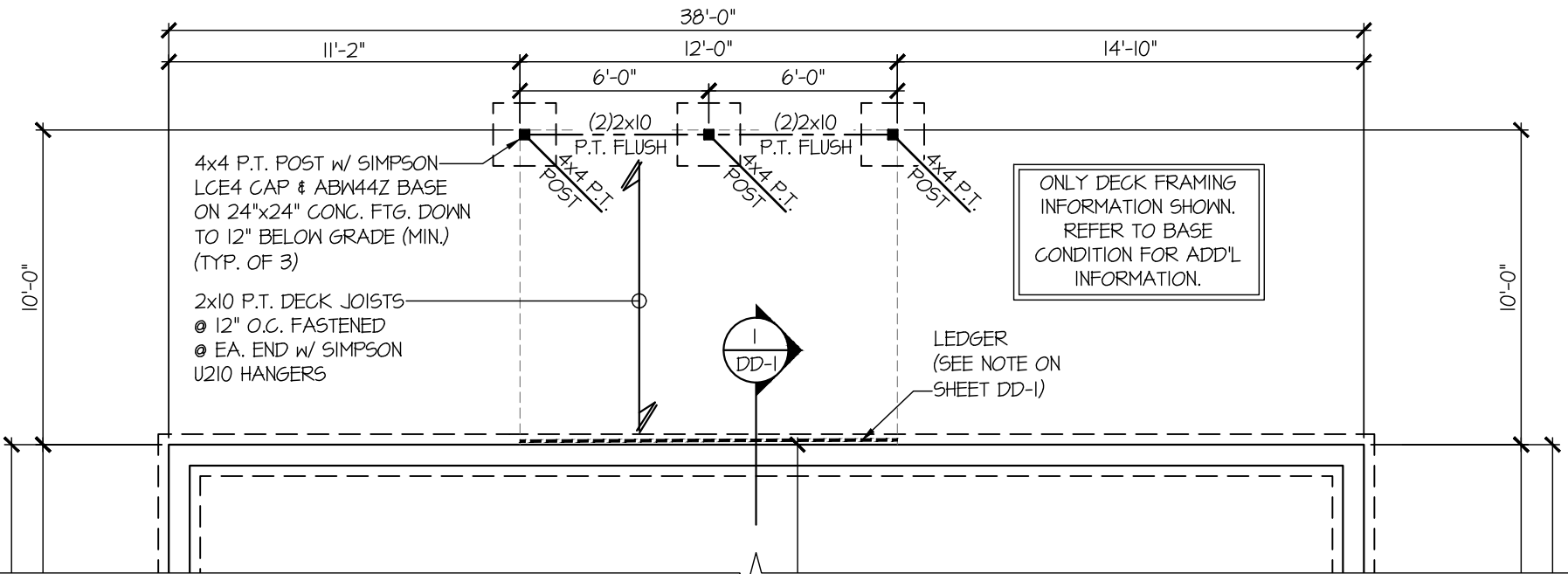
W&K project number: 192-19039

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2/20/24

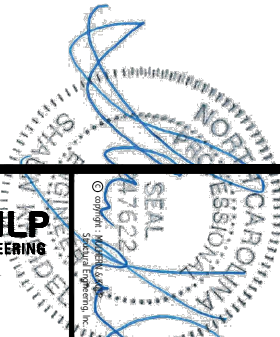
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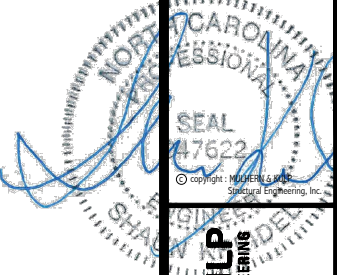
ADD'L HARDWARE SCHEDULE FOR OPT. WOOD DECK	
QTY	PRODUCT
24	SIMPSON U210 HANGER
3	SIMPSON LCE4 POST CAP
3	SIMPSON ABW44Z POST BASE
4	SIMPSON H3 CLIP
2	SIMPSON BC52-2/4 POST BASE



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

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES





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drawn by: NGG
issue date: 12-20-19

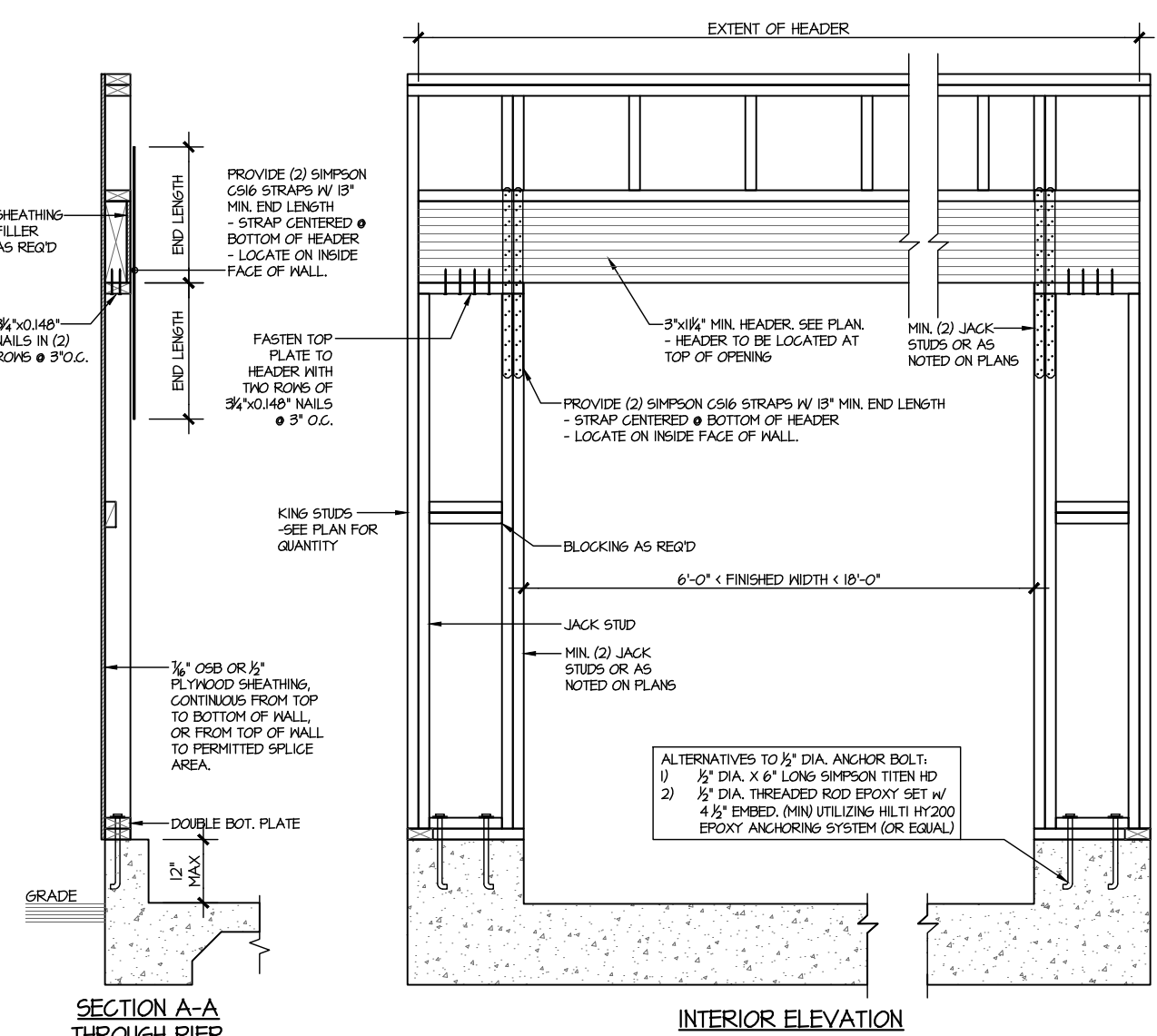
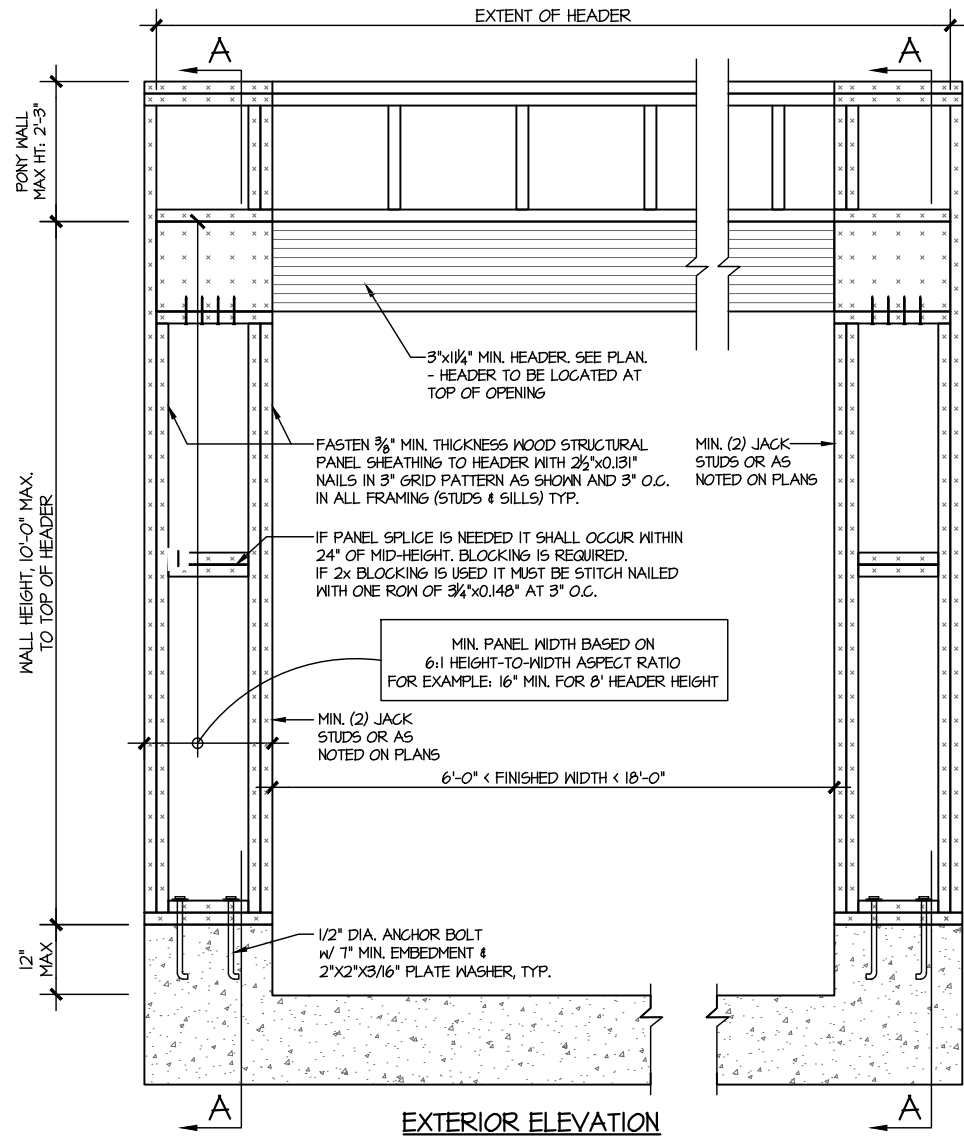
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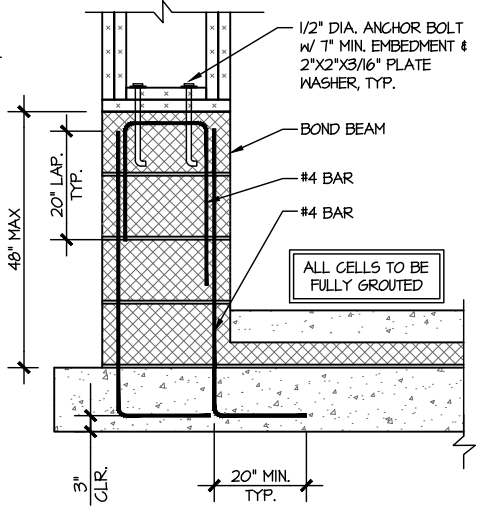
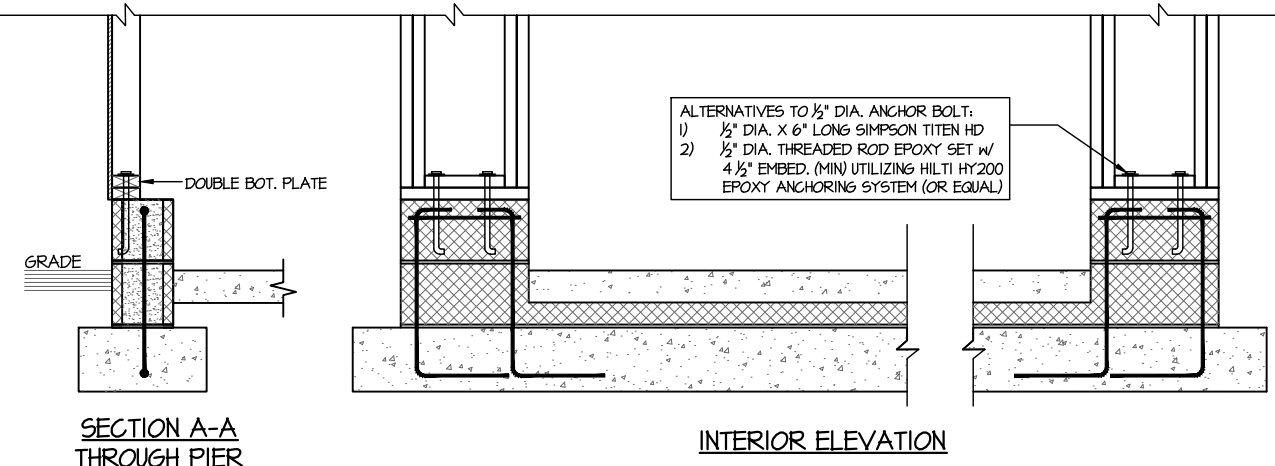
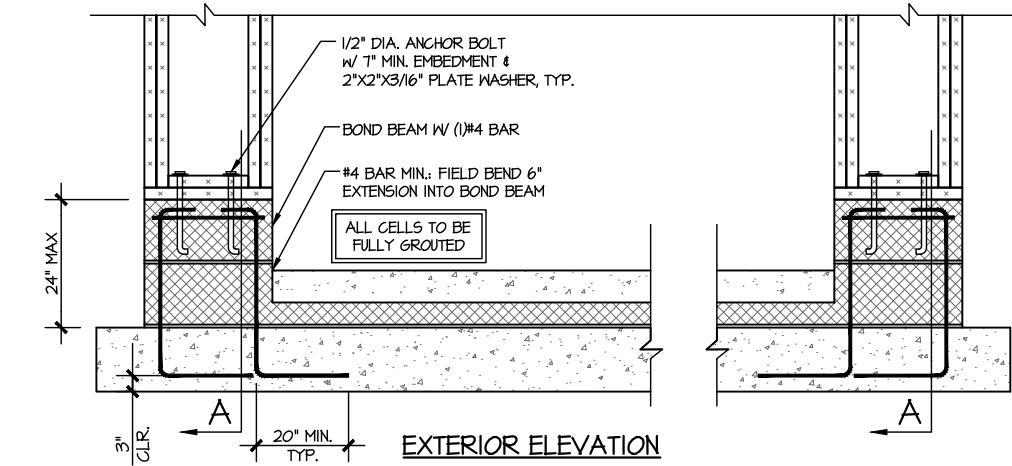
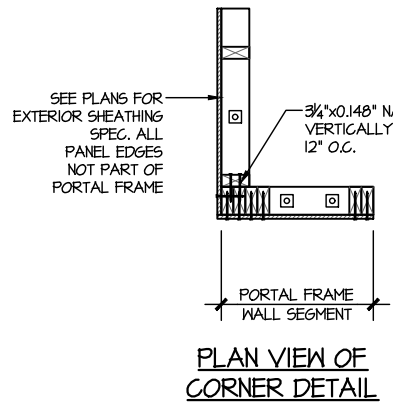


STRUCTURAL DETAILS
RUSSELL
WIND SPEED < 115 MPH NORTH CAROLINA

SW-1

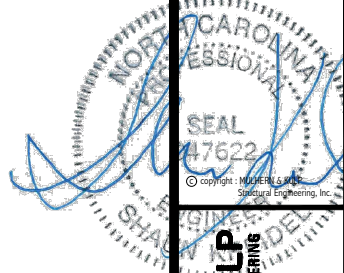


WALL FRAMING SPECIFICATION:
• 2x4 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)
• 2x6 WALL: USE SP/SPF #2 GRADE STUDS (OR BETTER)



1 PORTAL FRAME DETAIL
SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR
1 KING STUD & RETURN WALLS



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REVISIONS:
date: initial:

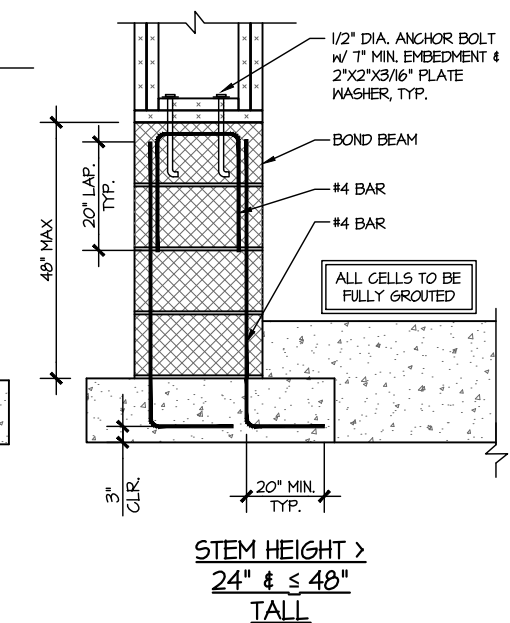
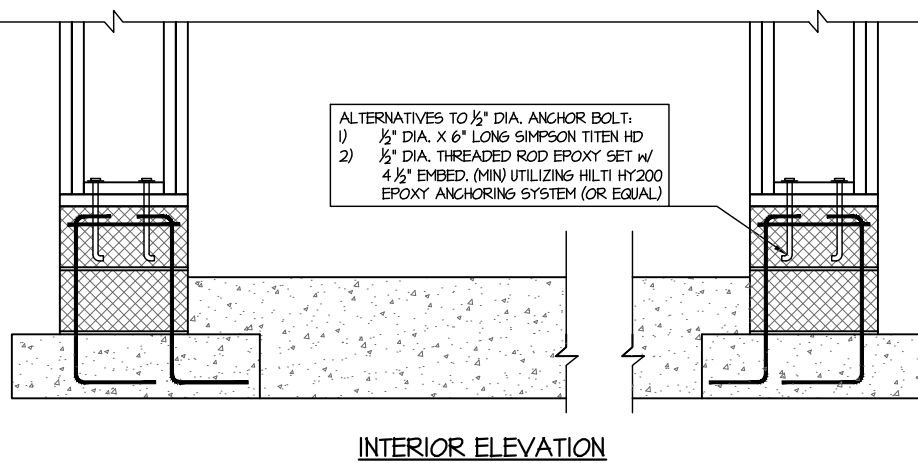
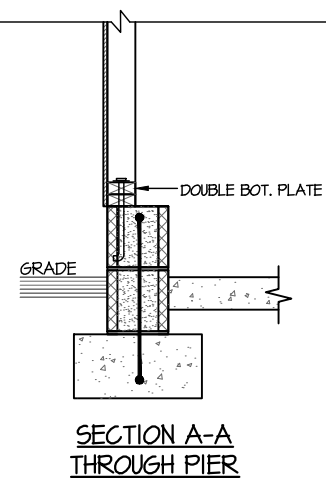
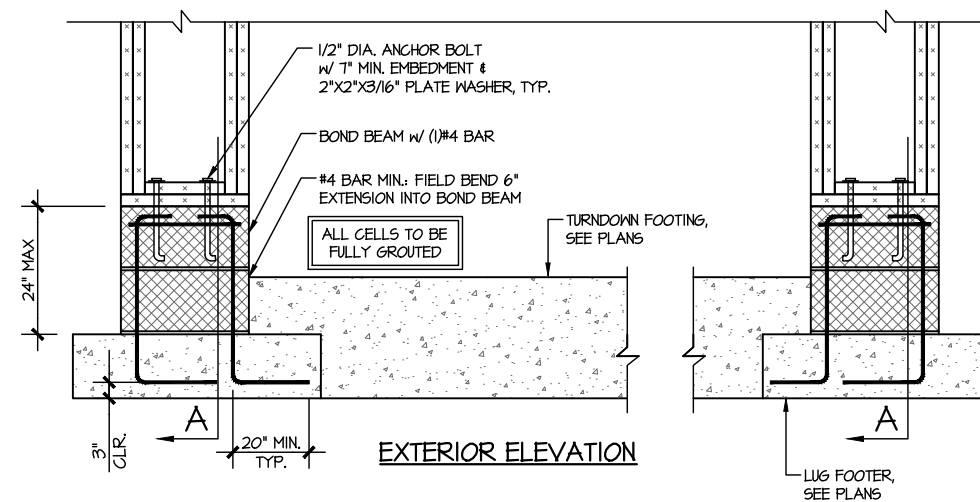
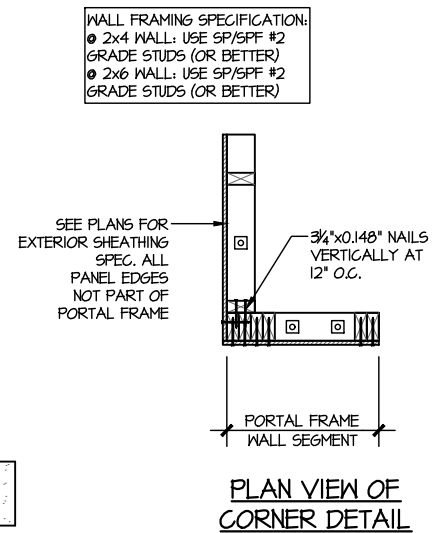
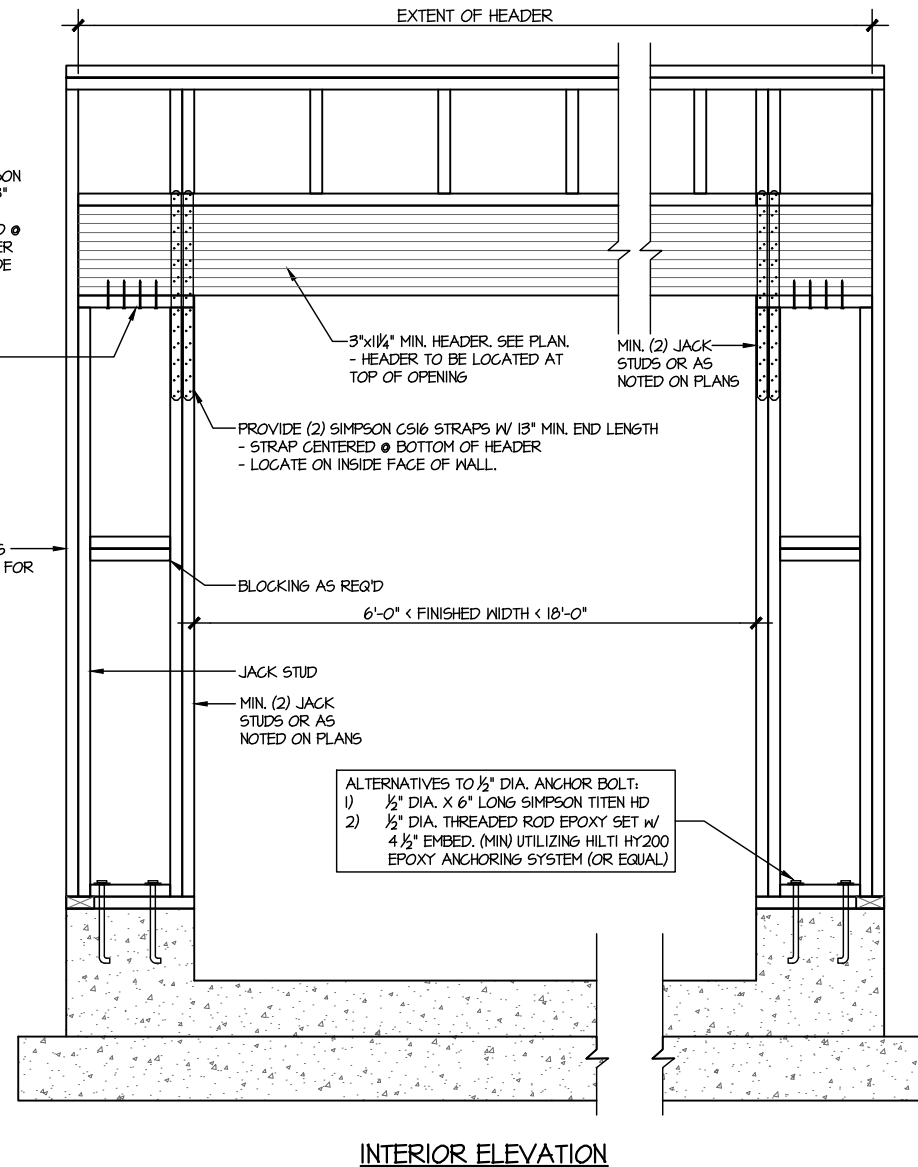
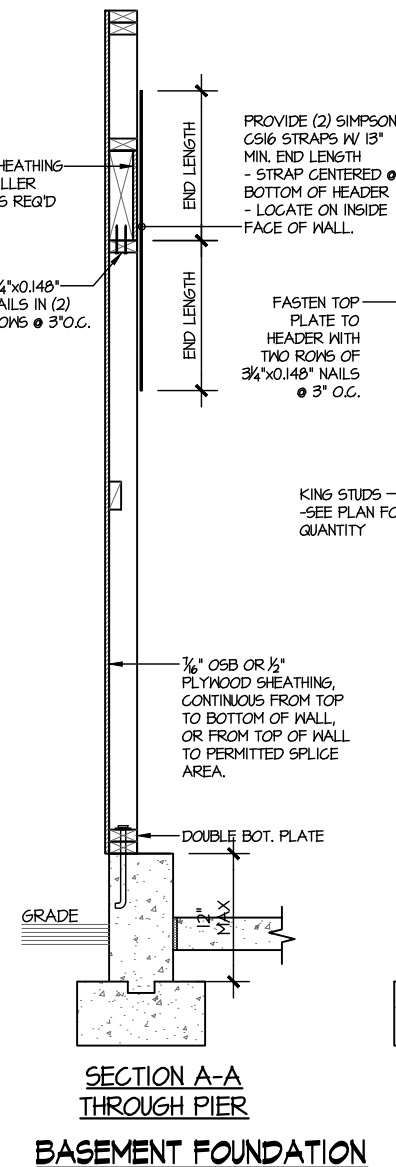
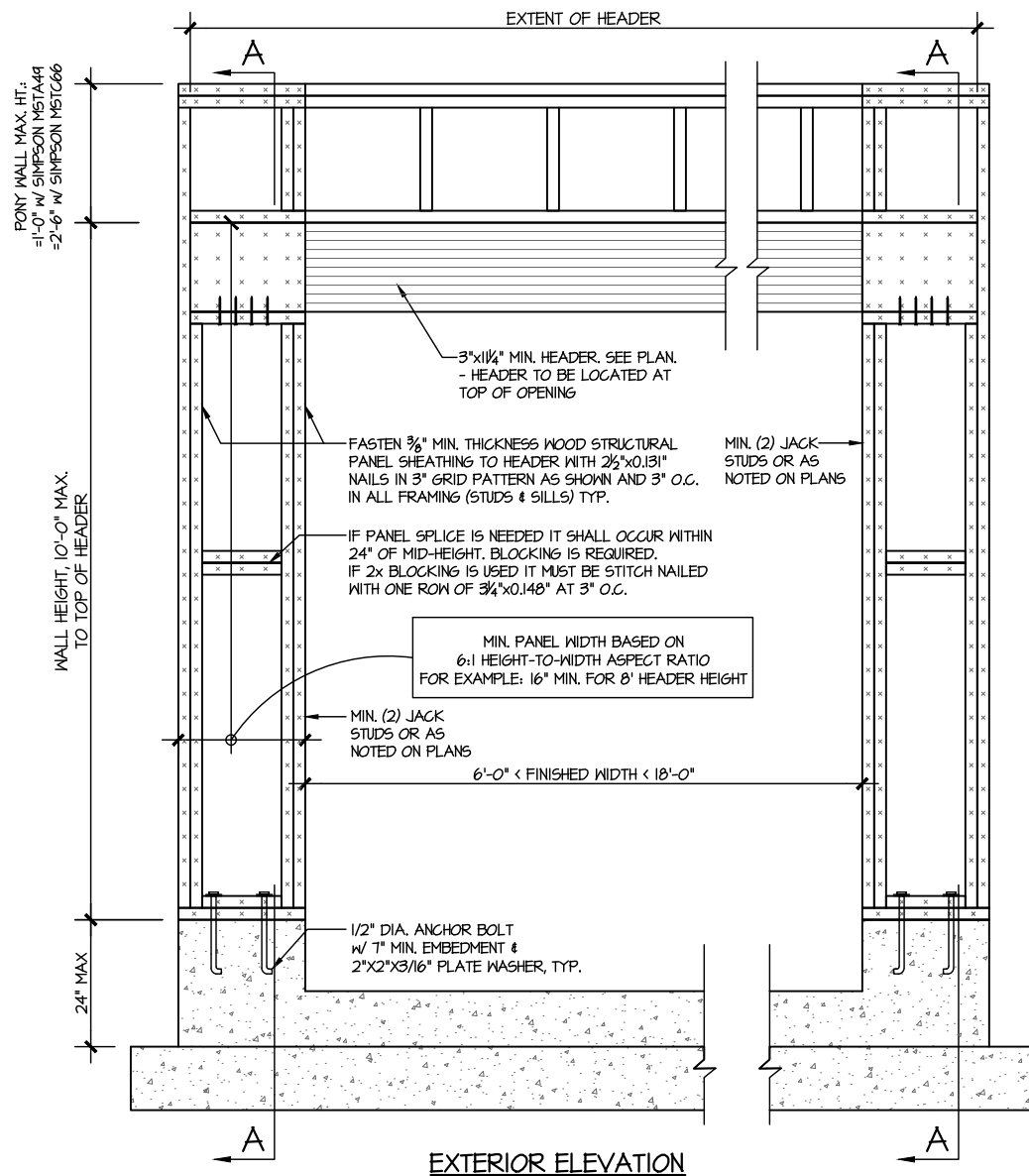
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STRUCTURAL DETAILS
RUSSELL
WIND SPEED < 115 MPH NORTH CAROLINA

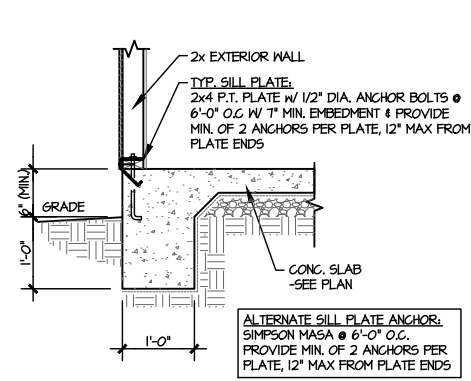
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SW-2

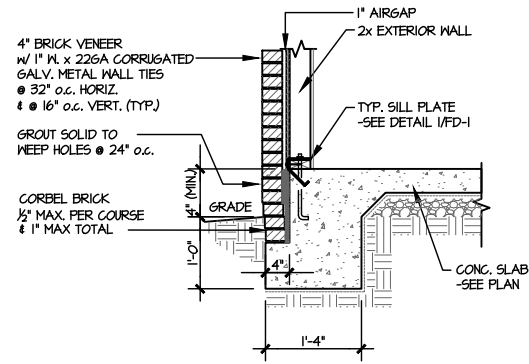


PORTAL FRAME DETAIL
SCALE: N.T.S.

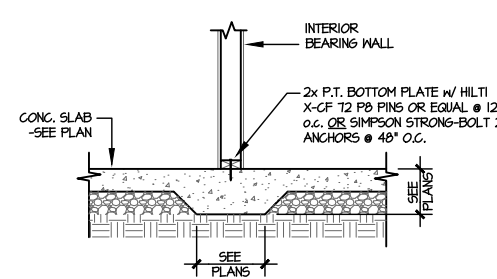
BOTH SIDES OF GARAGE DOOR
1 KING STUD & RETURN WALLS



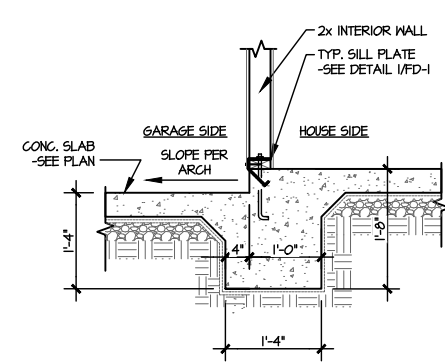
1 TYPICAL TURNDOWN @ EXT. WALL
SCALE: 3/8"=1'-0"



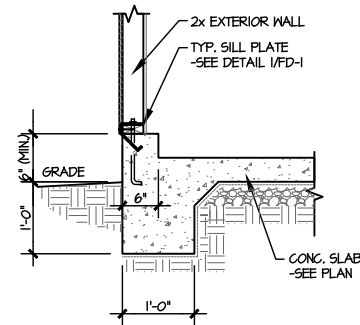
2 TYPICAL TURNDOWN @ EXT. WALL (BRICK)
SCALE: 3/8"=1'-0"



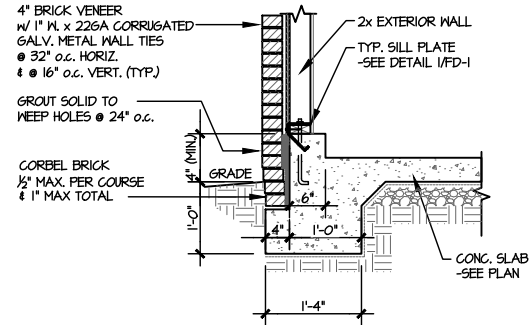
3 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
SCALE: 3/8"=1'-0"



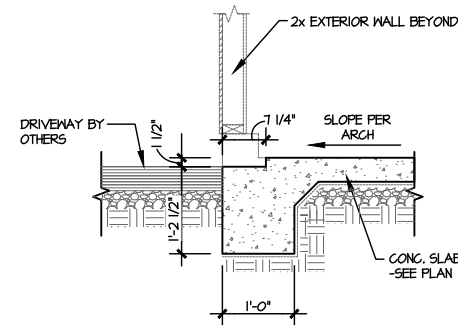
4 TYPICAL INT. FOOTING BETWEEN HOUSE & GARAGE
SCALE: 3/8"=1'-0"



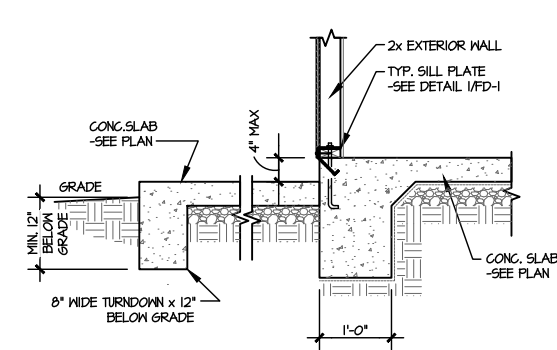
5 TYPICAL TURNDOWN @ EXT. GARAGE WALL
SCALE: 3/8"=1'-0"



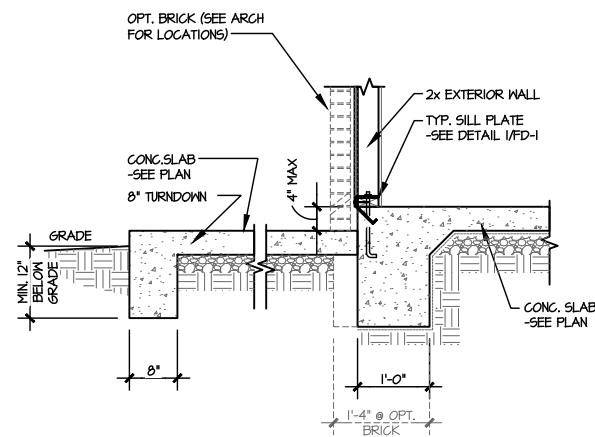
6 TYPICAL TURNDOWN @ EXT. GARAGE WALL (BRICK)
SCALE: 3/8"=1'-0"



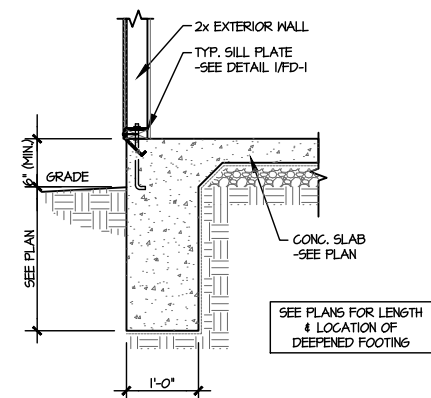
7 GARAGE OPENING
SCALE: 3/8"=1'-0"



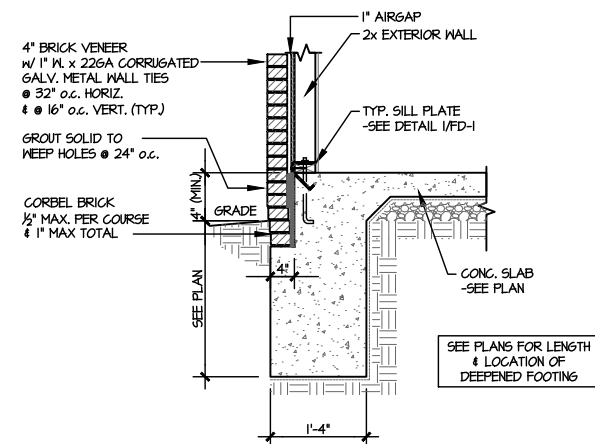
8 TYPICAL TURNDOWN @ PATIO/PORCH
SCALE: 3/8"=1'-0"



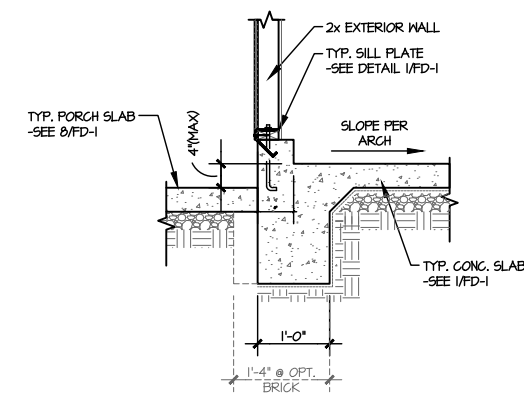
9 TYPICAL TURNDOWN @ PATIO/PORCH (BRICK)
SCALE: 3/8"=1'-0"



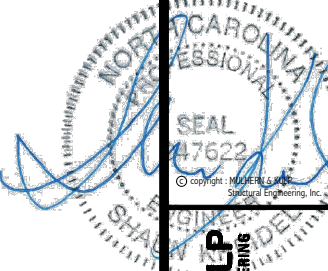
10 TYPICAL TURNDOWN W/ DEEPEMED FTG. @ EXT. WALL
SCALE: 3/8"=1'-0"



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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M&K project number:
192-19039
project mgr: SMK
drawn by: NGG
issue date: 12-20-19

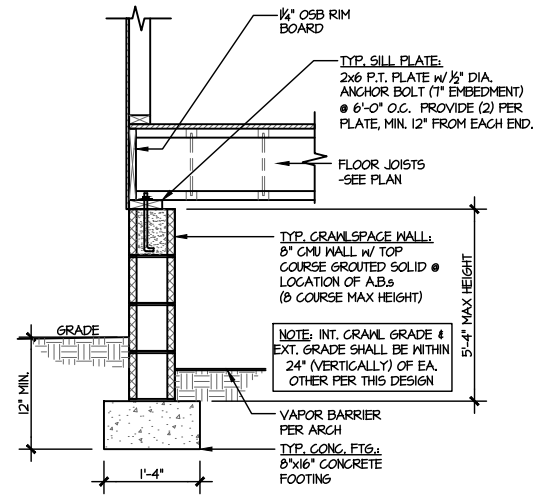
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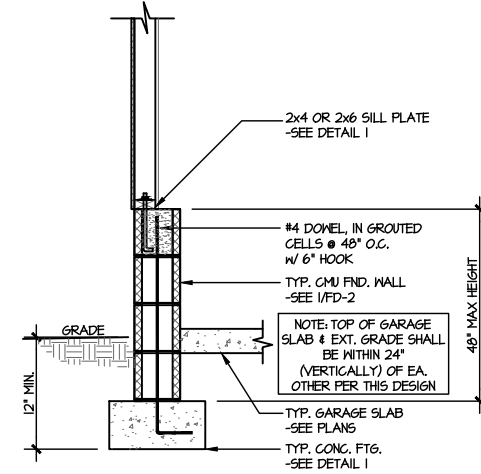
FOUNDATION DETAILS
RUSSELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet:
FD-1

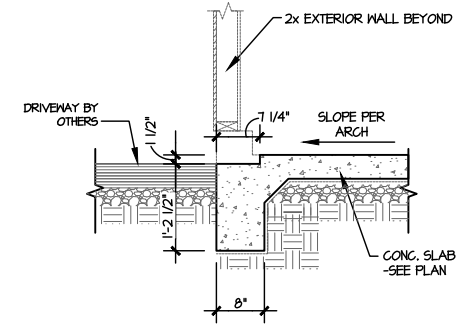


1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0"

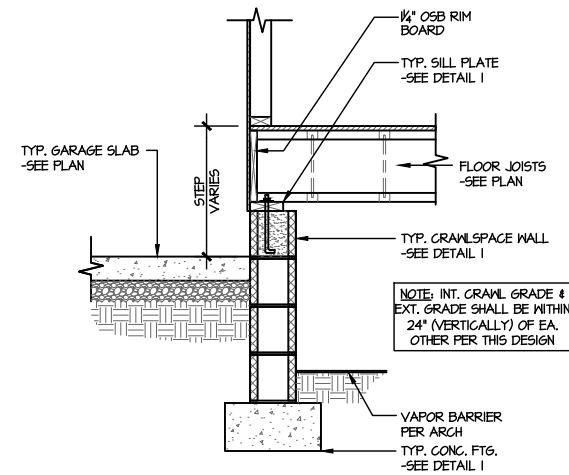
2 NOT USED
SCALE: 3/8"=1'-0"



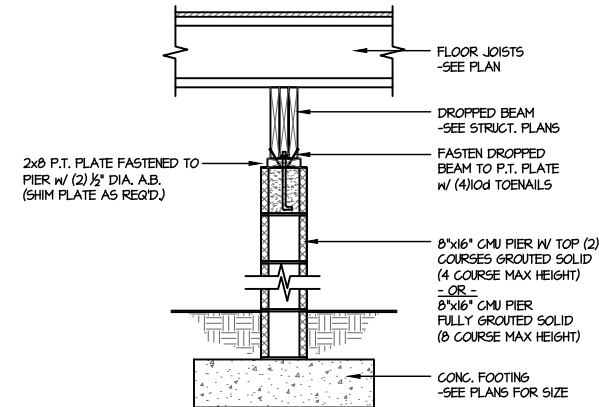
3 TYPICAL PERIMETER FOOTING @
EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



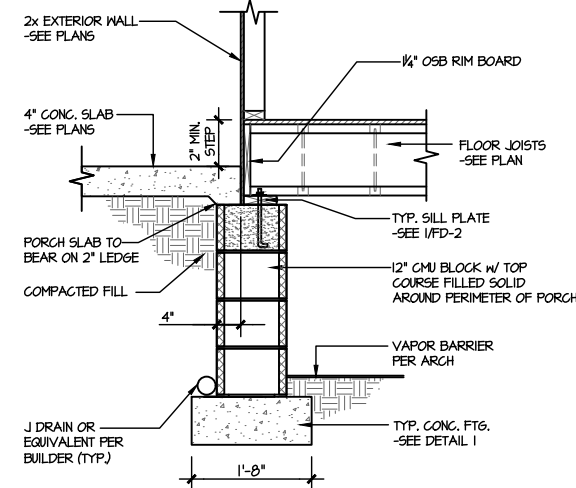
4 TYPICAL TURNDOWN FOOTING
AT EXTERIOR GARAGE APRON
SCALE: 3/8"=1'-0"



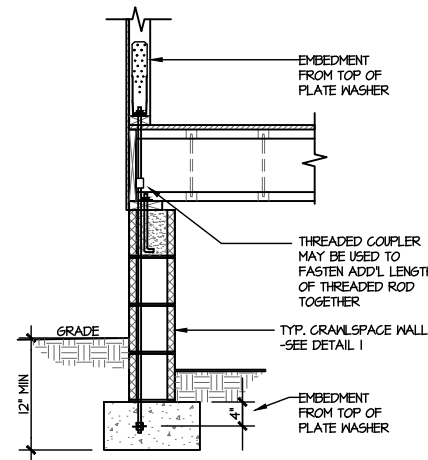
5 TYPICAL CRAWLSPACE FOUNDATION
@ INTERIOR GARAGE WALL
SCALE: 3/8"=1'-0"



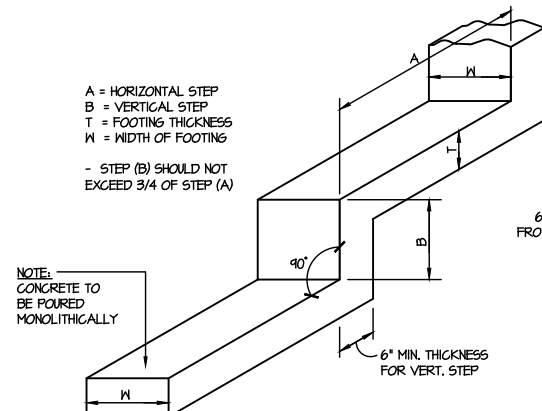
6 TYPICAL CRAWLSPACE
FOUNDATION @ INTERIOR PIER
SCALE: 3/8"=1'-0"



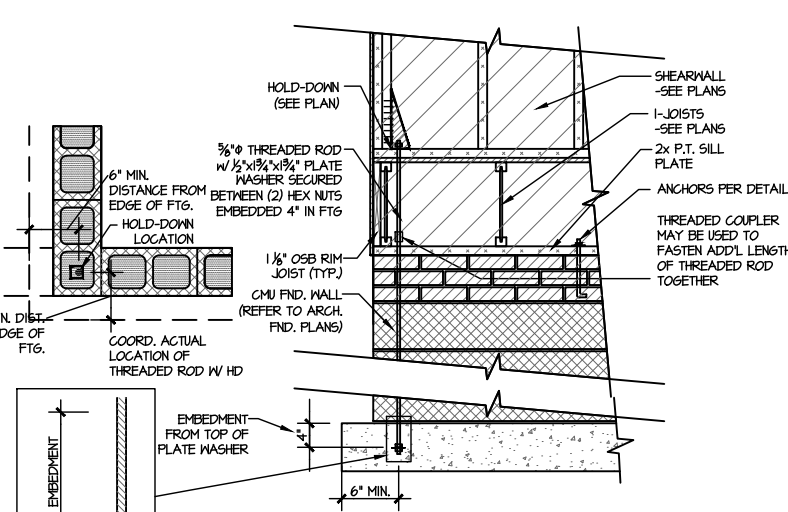
7 TYPICAL CRAWLSPACE FOUNDATION
@ PORCH SLAB
SCALE: 3/8"=1'-0"



A TYPICAL CRAWLSPACE FOUNDATION
HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"



B TYPICAL STEPPED FOOTING DETAIL
SCALE: NTS



C TYPICAL CMU FOUNDATION
HOLD-DOWN INSTALLATION
SCALE: 3/8"=1'-0"



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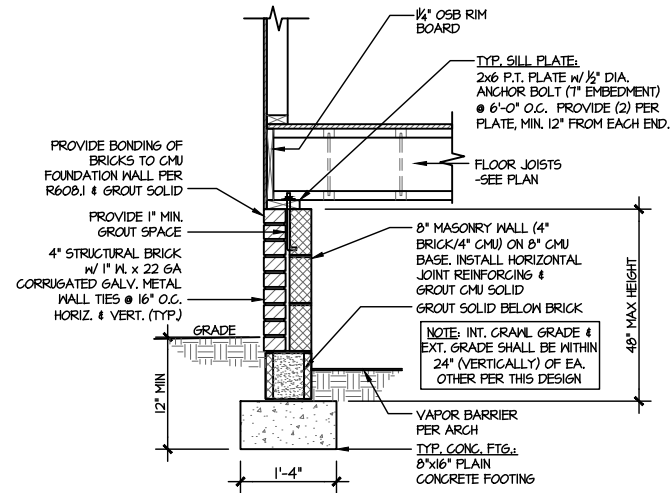
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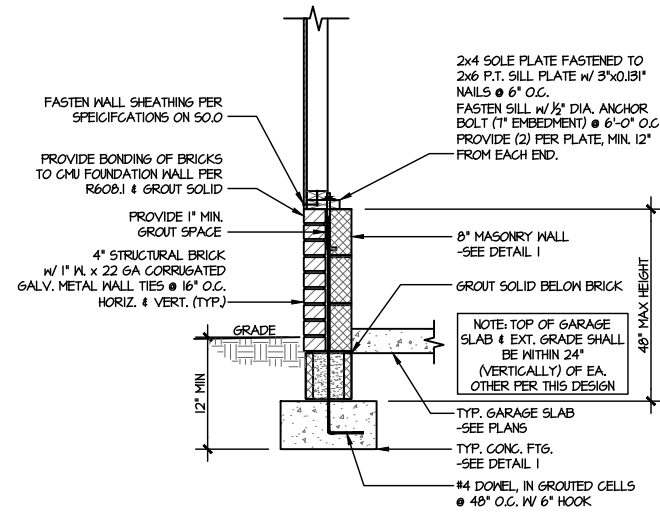
FOUNDATION DETAILS
RUSSELL
WIND SPEED < 115 MPH NORTH CAROLINA

sheet:
FD-2



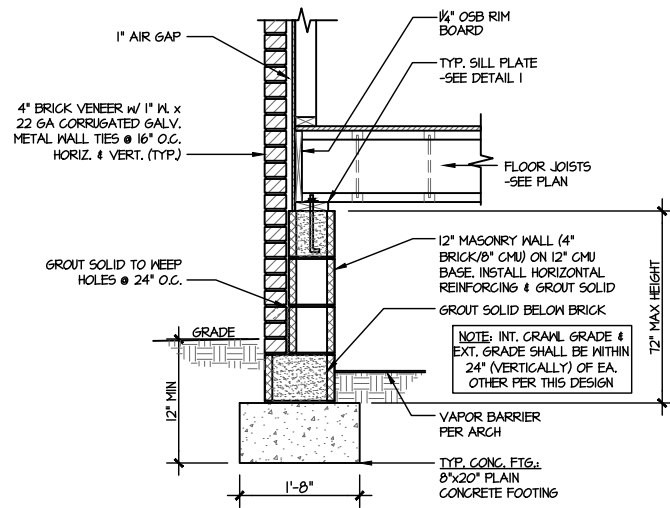
1 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" W/ BRICK WATERTABLE

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



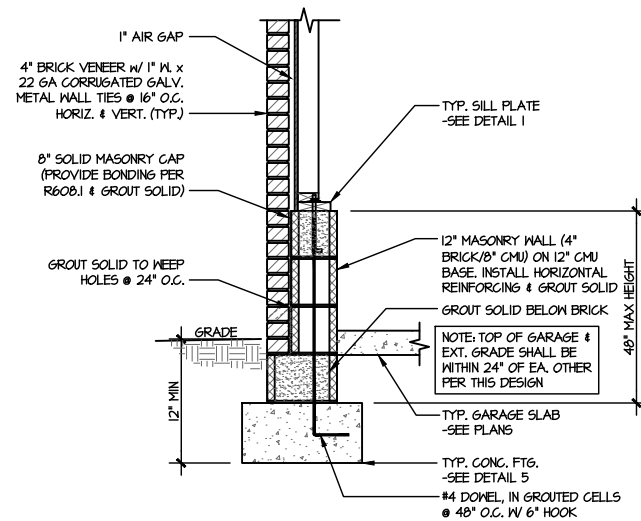
3 TYPICAL CRAWLSPACE FOUNDATION
@ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0" W/ BRICK WATERTABLE

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



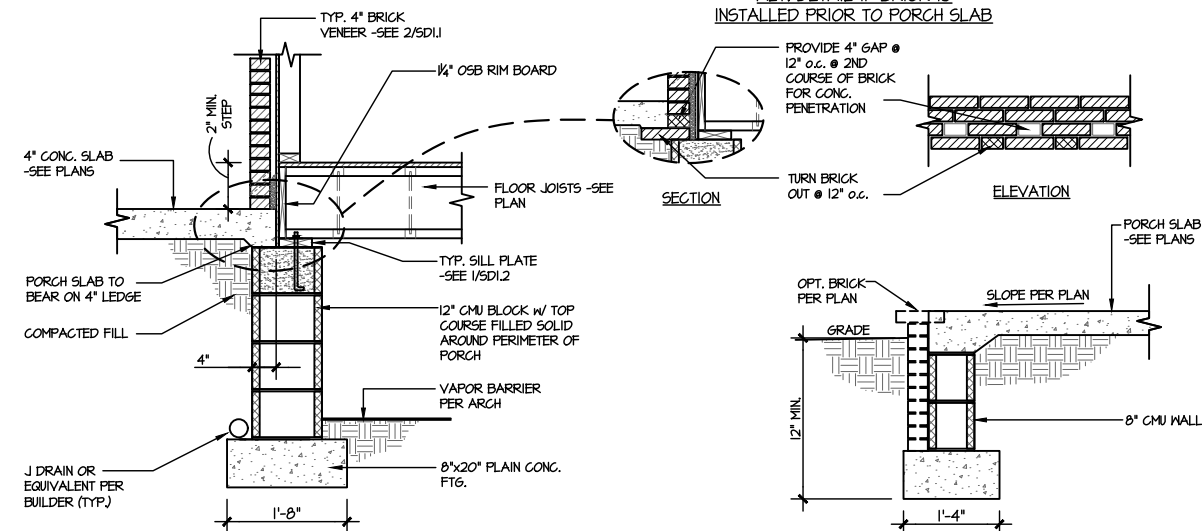
5 TYPICAL CRAWLSPACE FOUNDATION
SCALE: 3/8"=1'-0" W/ FULL BRICK VENEER

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

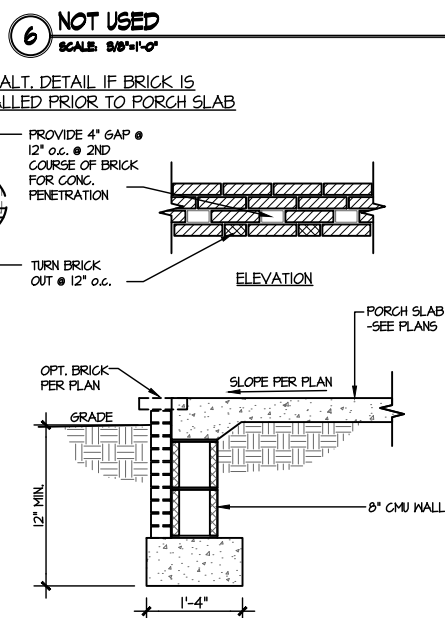


7 TYPICAL CRAWLSPACE FOUNDATION
@ EXTERIOR GARAGE WALL
SCALE: 3/8"=1'-0" W/ FULL BRICK VENEER

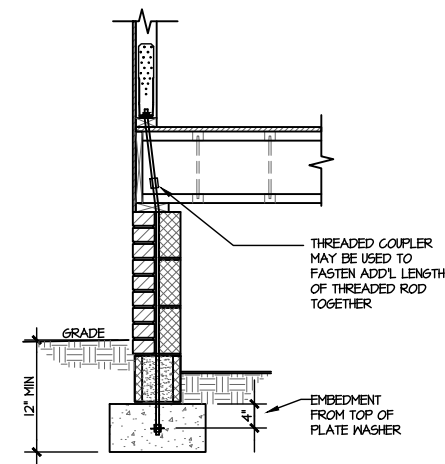
8 NOT USED
SCALE: 3/8"=1'-0"



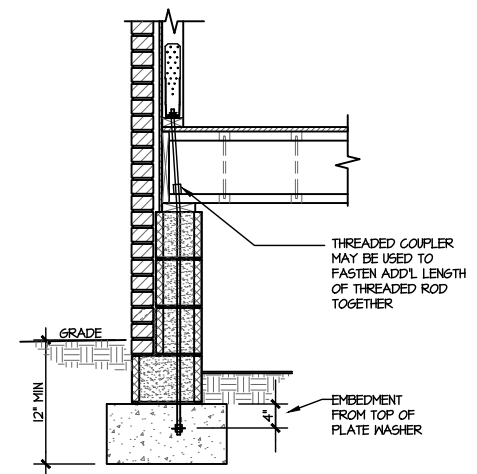
9 TYPICAL CRAWLSPACE FOUNDATION
@ PORCH/PATIO SLAB
SCALE: 3/8"=1'-0" W/ BRICK VENEER



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



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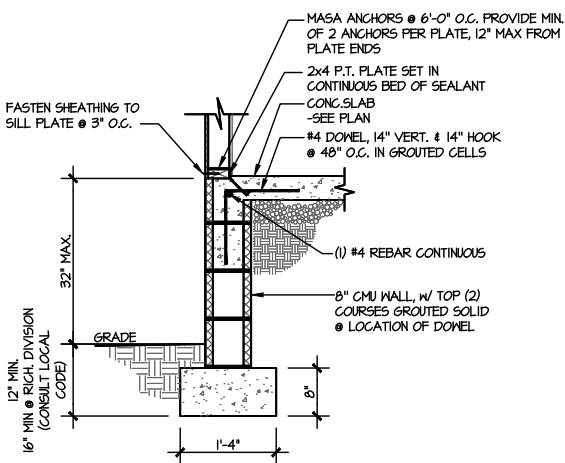
M&K project number:
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project mgr: SMK
drawn by: NGG
issue date: 12-20-19

REVISIONS:
date: initial:

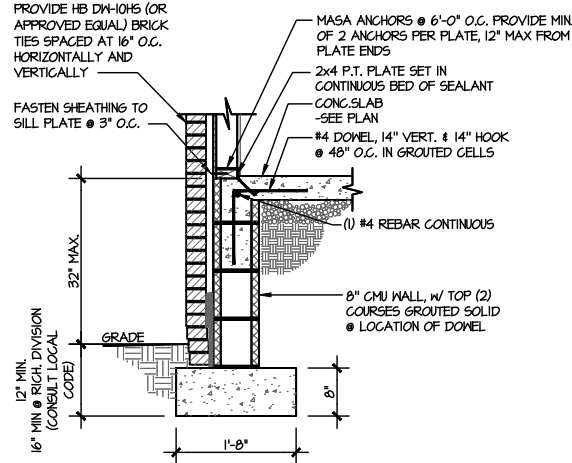
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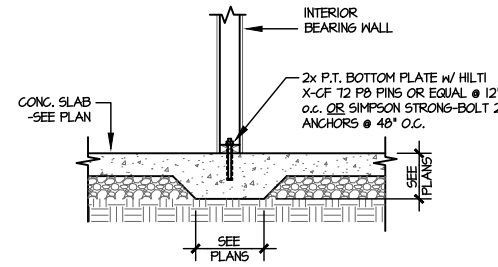
FOUNDATION DETAILS
RUSSELL
WIND SPEED < 115 MPH NORTH CAROLINA



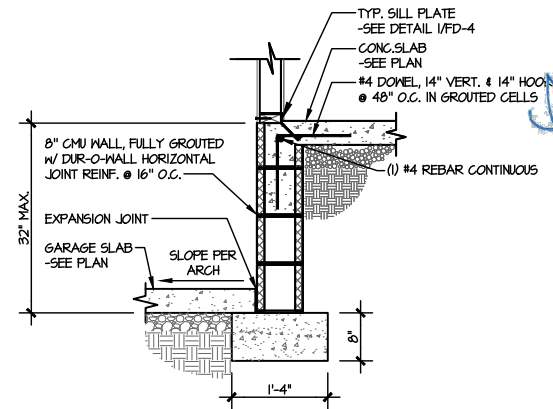
1 TYP. EXT. FND WALL
 SCALE: 3/8"=1'-0" RAISED SLAB CONDITION (2'-6")



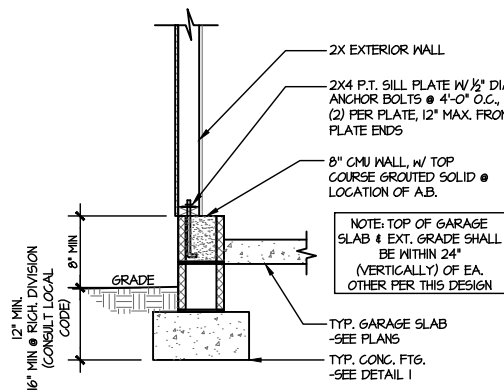
2 TYP. EXT. FND WALL (BRICK)
 SCALE: 3/8"=1'-0" RAISED SLAB CONDITION (2'-6")



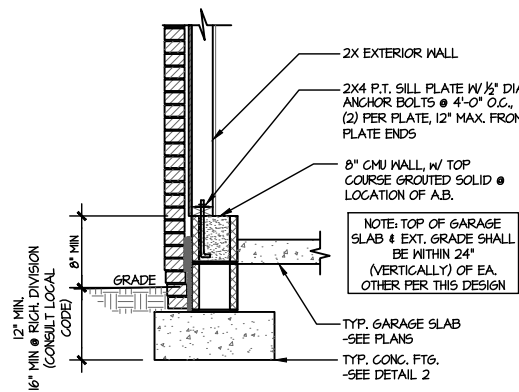
3 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
 SCALE: 3/8"=1'-0"



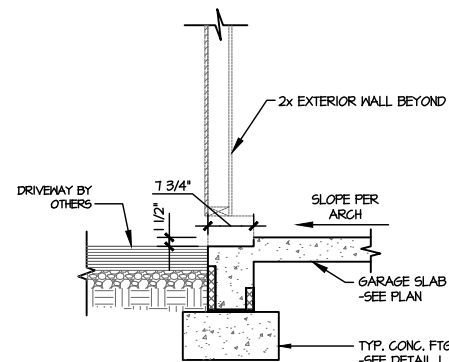
4 TYPICAL INT. FOOTING BETWEEN HOUSE & GARAGE
 SCALE: 3/8"=1'-0"



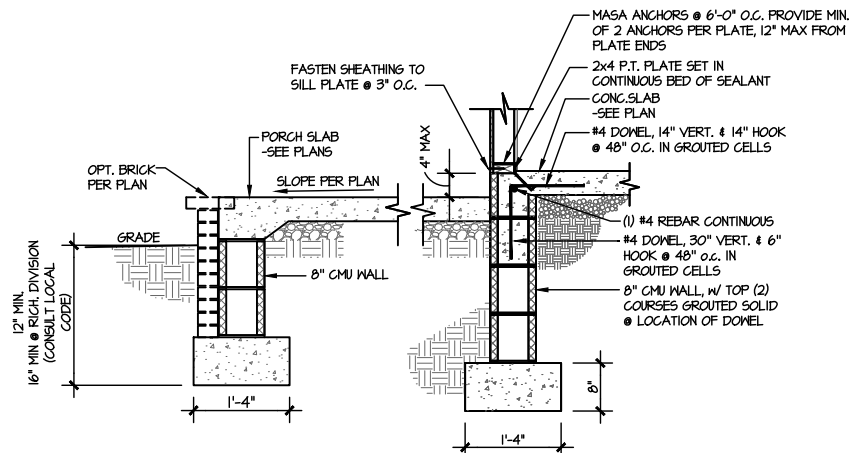
5 TYPICAL FOUNDATION @ EXT. GARAGE WALL
 SCALE: 3/8"=1'-0"



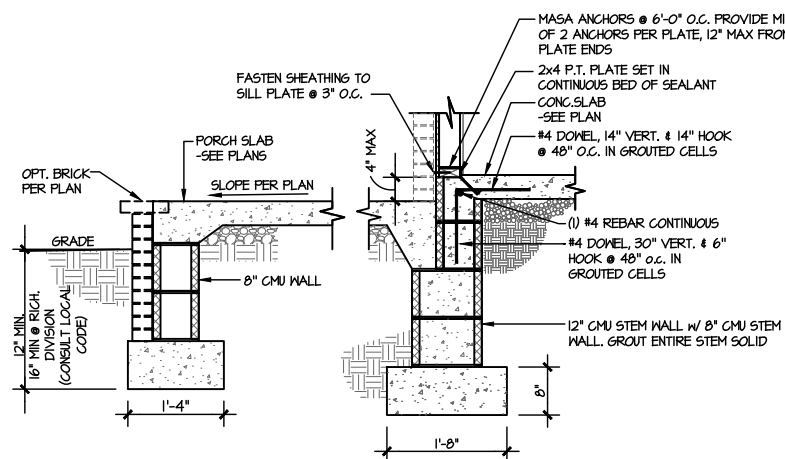
6 TYPICAL FOUNDATION @ EXT. GARAGE WALL (BRICK)
 SCALE: 3/8"=1'-0"



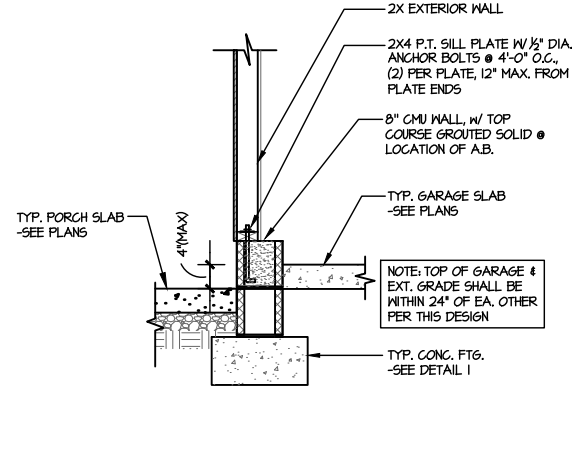
7 TYPICAL FOUNDATION @ EXT. GARAGE WALL
 SCALE: 3/8"=1'-0"



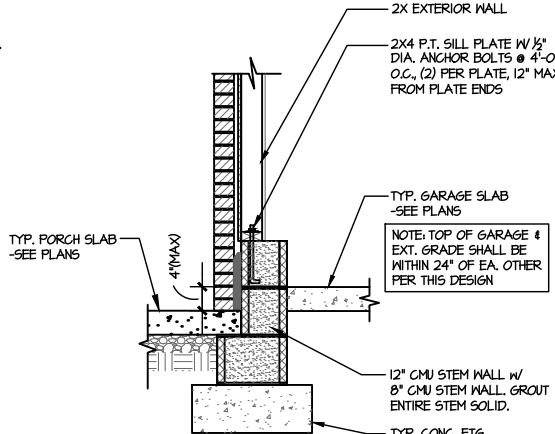
8 TYPICAL FOUNDATION @ PATIO/PORCH
 SCALE: 3/8"=1'-0" RAISED SLAB CONDITION (2'-6")



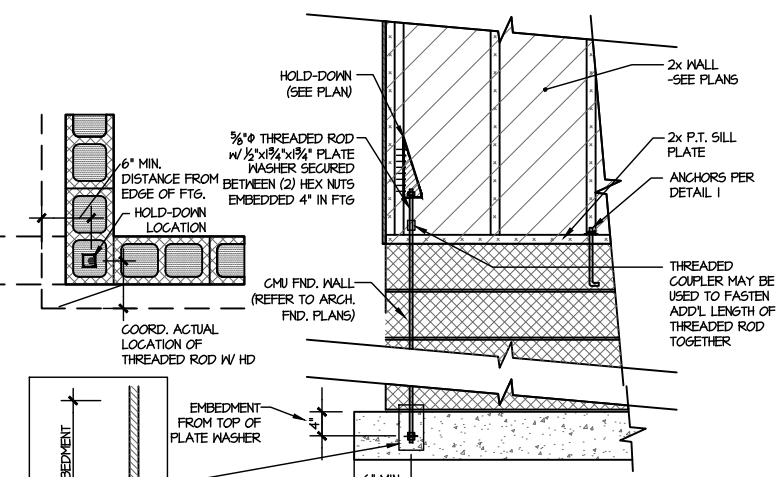
9 TYPICAL FOUNDATION @ PATIO/PORCH (BRICK)
 SCALE: 3/8"=1'-0" RAISED SLAB CONDITION (2'-6")



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



11 TYPICAL FOUNDATION @ COVERED PORCH/ATTACHED GARAGE (BRICK)
 SCALE: 3/8"=1'-0"



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

seal:

2/20/24

SEAL 17622

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M&K project number: 192-19039

project mgr: SMK
 drawn by: NGG
 issue date: 12-20-19

REVISIONS:
 date: initial:

ARCH: v.01.00.00.00

MUNGO
 HOMES

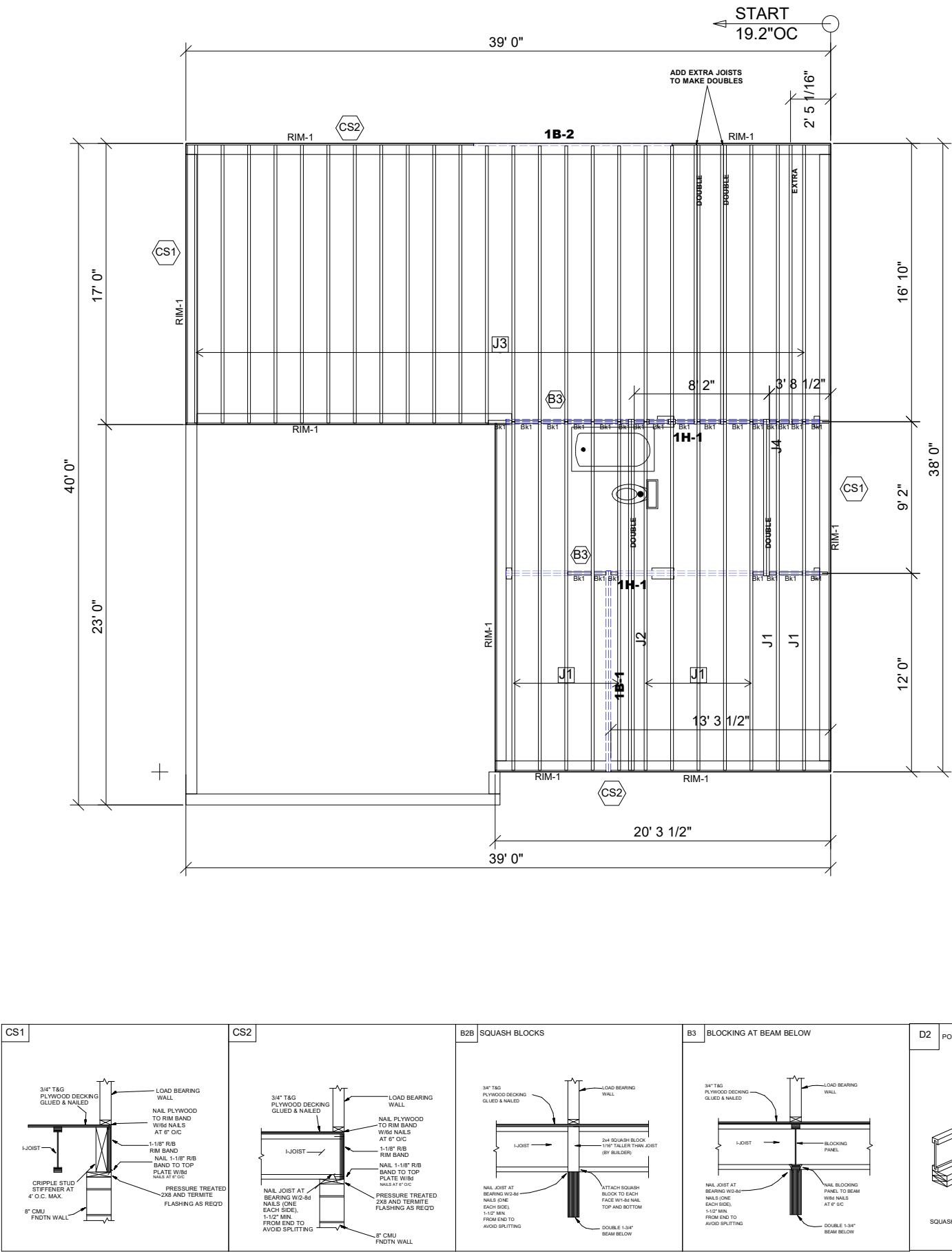
FOUNDATION DETAILS
 RUSSELL

WIND SPEED < 115 MPH NORTH CAROLINA

sheet:
 FD-4

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 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. 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.

1ST FLOOR PLACEMENT PLAN



● 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"	

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

SCALE: 1/8"=1'

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	22' 0"	11 7/8" TJI@ 210	1	12	MFD
J2	22' 0"	11 7/8" TJI@ 210	2	2	MFD
J3	17' 0"	11 7/8" TJI@ 210	1	27	MFD
J4	10' 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	13' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2	MFD
1B-2	12' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	1	1	MFD
RIM-1	16' 0"	1 1/8" x 11 7/8" TJI@ Rim Board	1	10	MFD
Bk1	2' 0"	Connecter Submittal@ 210	1	23	MFD
PlotID	Qty	Manuf	Product		
H1	8	Simpson	IUS2.06/11.88		

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-
H-, 1H-, GDH-**

*INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)
*INDICATES BEAM BELOW TOP PLATE (DROPPED 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

SHIFT

SINGLE PLY BEAM
DASH LINE FOR EACH ADDITIONAL PLY

EXTRA

SHIFT JOIST TO MISS PLUMBING ALIGN WITH WALL OR SUPPORT FURNITURE
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

REVISIONS	DESCRIPTION	DATE	DSN

DESIGNER GB1
LAYOUT DATE 11/12/24
ARCH DATE
STRUC DATE
JOB #: 25010324F1

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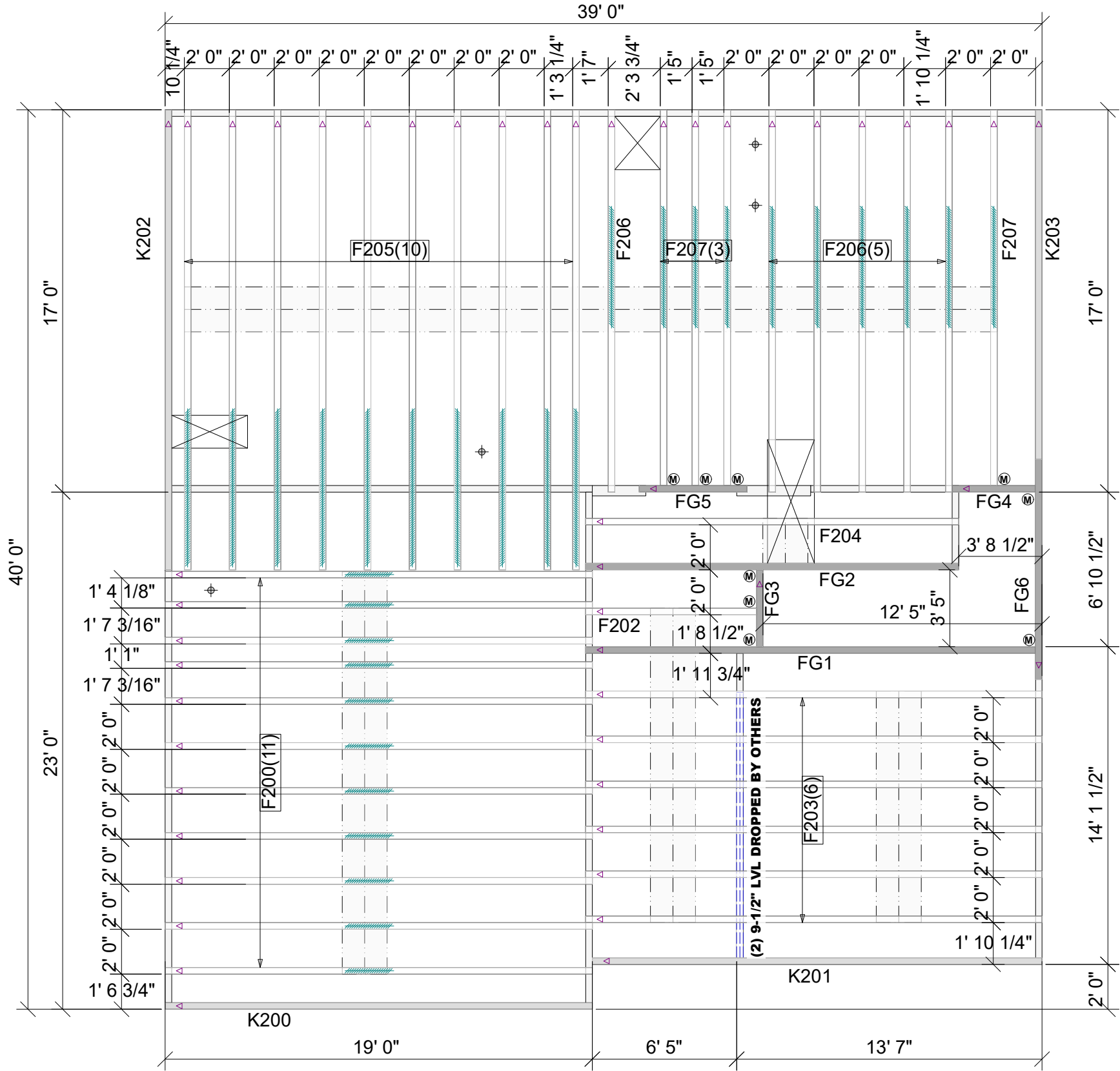
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2ND FLOOR PLACEMENT PLAN



Floor Hanger List		
MARK	TYPE	QTY
(M)	THA422	9

NOTE
F205 TRUSSES DESIGNED TO CANTILEVER
OVER REAR GARAGE WALL

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

ROOF AREA: 0 ft² sqft

RIDGE LINE: 0 ft

VALLEY LINES: 0 ft

HIP LINES: 0 ft

THESE VALUES ARE APPROXIMATE ONLY

REVISIONS

DATE	DESCRIPTION	DSN
02/27/2025	DELETED F201 TRUSSES & LIP	-
03/07/2025	CHANGED QUANTITY OF F203, F206, & F207 DUE TO REMOVAL OF GUESTBEDROOM	-
-	-	-
-	-	-

DESIGNER

LAYOUT DATE

ARCH DATE

STRUC DATE

LJP

11/21/2024

-

-

RUSSELL D 2ND FLR

MUNGO HOMES

TRUSS TRAX

UFP CONSTRUCTION

TrussTraxUFP.com

UFP SITE BUILT

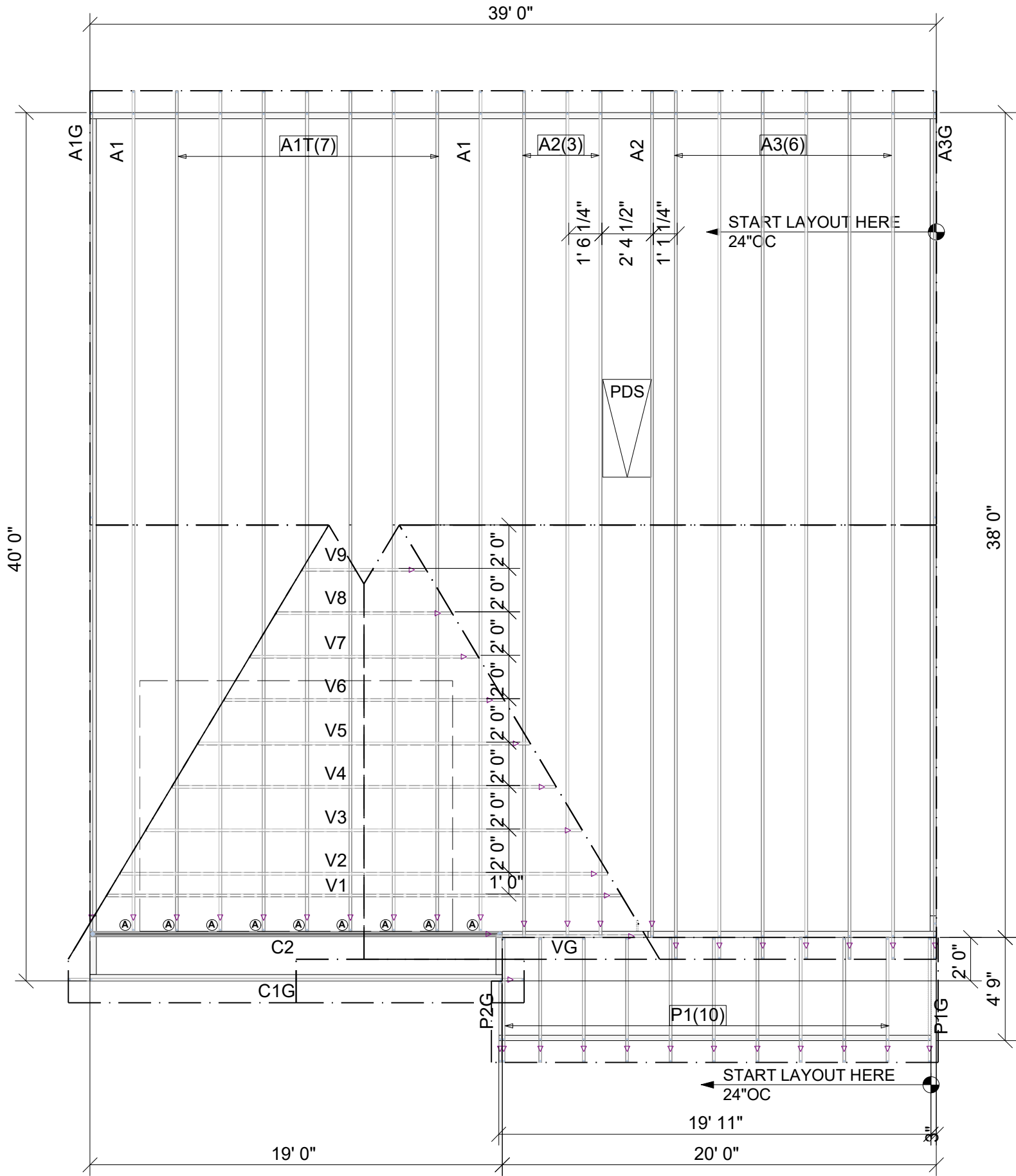
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ROOF PLACEMENT PLAN



****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 Hanger List			
MARK	TYPE	DESCRIPTION	QTY
(A)	HUS26	FACE MOUNT HANGER	9

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

ROOF AREA: 1978.65 ft² sqft

RIDGE LINE: 55.04 ft

VALLEY LINES: 50.75 ft

HIP LINES: 8.99 ft

THESE VALUES ARE APPROXIMATE ONLY

REVISIONS

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

RUSSELL D RF

MUNGO HOMES

DESIGNER LJP

LAYOUT DATE 01/14/2025

ARCH DATE -

STRUC DATE -

JOB #: 25010324

TRUSS TRAX UFP CONSTRUCTION

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