

1 Front - Elev A 1/8" = 1'-0"



2 Rear - Elev A 1/8" = 1'-0"

Elevation A -Sheet List

	Sheet Number	Sheet Name
	ElevA-Pg1	Front & Rear Elevations
	ElevA-Pg2	Side Elevations
	ElevA-Pg3	1st Floor Plan
	ElevA-Pg4	2nd Floor Plan
		Roof Plan
		Electrical Plans
		Building Section
	Sec-Mono	Typical Wall Section
	Structural Pages	by Engineer

alueBuild Front & Rear Elevations

THE PAULA - Elevation A

Address: tbd River Rd Fuquay-Varina, NC 27526 County: Harnett County Job #: 2024-SAN-075

Plan Version Date: 1-20-21

Job Version Date: 1-8-25

> Sheet #: ElevA-Pg1

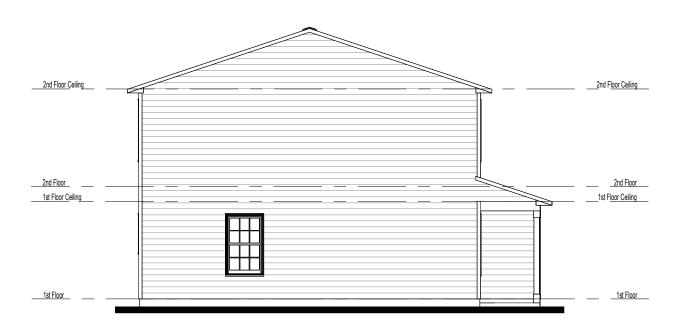
Area Schedule (Elevation A) Name 766 SF

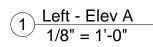
Under Roof

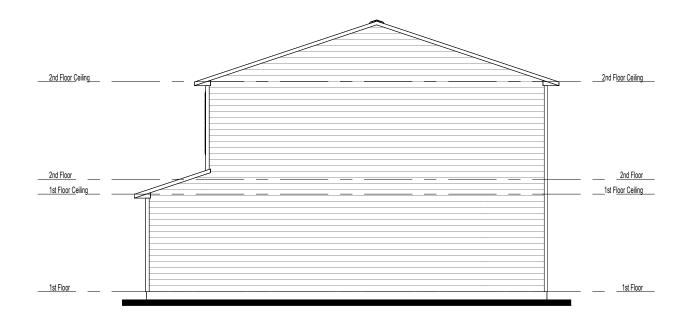
345 SF

2056 SF

1st Floor 2nd Floor 945 SF 1711 SF Unheated 107 SF Front Porch 238 SF







2 Right - Elev A 1/8" = 1'-0" THE PAULA - Elevation A

Side Elevations

AlueBuild

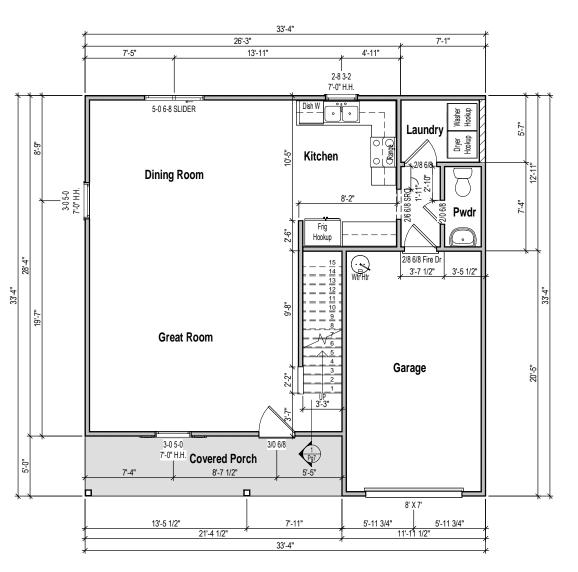
O M E S

on Davis Hwy, Sanford, NC 27332

Address: tbd River Rd Fuquay-Varina, NC 27526

Plan Version Date: 1-20-21

Job Version Date: 1-8-25



1st Floor Plan - Elev A 1/8" = 1'-0"

WALL STUD SIZES

DIMENSIONS

• EXTERIOR WALL DIMENSIONS ARE TO FACE OF SHEATHING • INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD

EXTERIOR DOOR ROUGH OPENINGS

- ALL EXTERIOR SWING DOORS HAVE A HEADER HEIGHT
- = TO 3" HIGHER THAN CALL SIZE
- ALL EXTERIOR SLIDING DOORS HAVE A HEADER HEIGHT

= TO CALL SIZE

alueBuild

THE PAULA - Elevation A

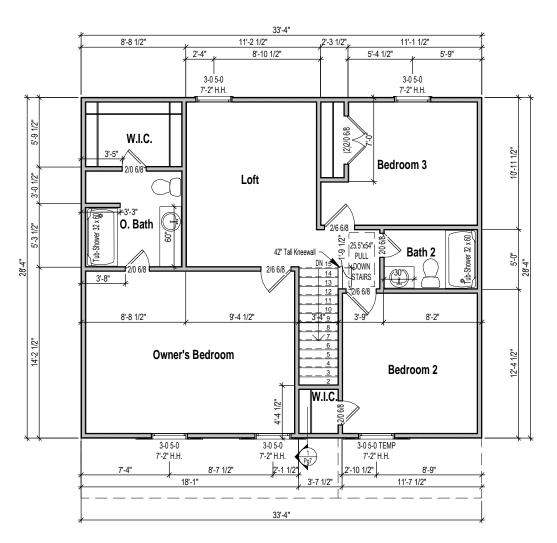
1st Floor Plan

Address: tbd River Rd Fuquay-Varina, NC 27526

Job#: 2024-SAN-075

Plan Version Date: 1-20-21

Job Version Date: 1-8-25



2nd Floor Plan - Elev A 1/8" = 1'-0"

WALL STUD SIZES === = 2x4 === = 2x6

DIMENSIONS

• EXTERIOR WALL DIMENSIONS ARE TO FACE OF SHEATHING • INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD

EXTERIOR DOOR ROUGH OPENINGS

- ALL EXTERIOR SWING DOORS HAVE A HEADER HEIGHT
- = TO 3" HIGHER THAN CALL SIZE
- ALL EXTERIOR SLIDING DOORS HAVE A HEADER HEIGHT
- = TO CALL SIZE

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THE PAULA - Elevation A

2nd Floor Plan

Address: tbd River Rd Fuquay-Varina, NC 27526

Job#: 2024-SAN-075

Plan Version Date: 1-20-21

Job Version Date: 1-8-25

Attic Ventilation Calcs 1/300 (sq.in.)

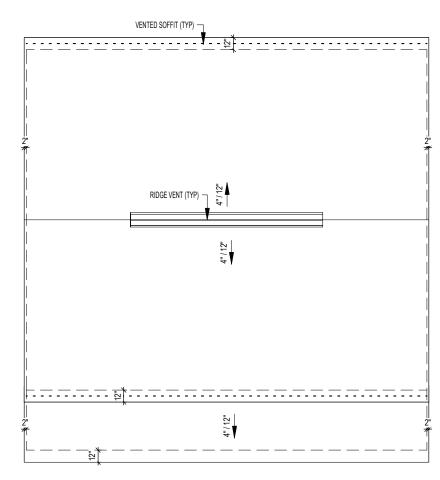
	Ventilation	Max	Min	Upper	Lower	Total	Ridge	Roof	Soff
	Required	Upper	Upper	Ventilation	Ventilation	Ventilation	Vent	Vents	Vent
Area	(sq.in.)	(sq.in.)	(sq.in.)	(sq.in.)	(sq.in.)	(sq.in.)	(In.ft.)	(ea)	(sq.ft
944 SF	453	363	227	240	396	636	16	0	66

- CALCS BASED ON THE FOLLOWING VALUES

 Ridge Vents = 15 in² of net free area per linear foot

 Roof Vents = 50 in² of net free area per unit

 Soffit Vents = 6 in² of net free area per square foot



1 Roof Plan - Elev A 1/8" = 1'-0"



THE PAULA - Elevation A

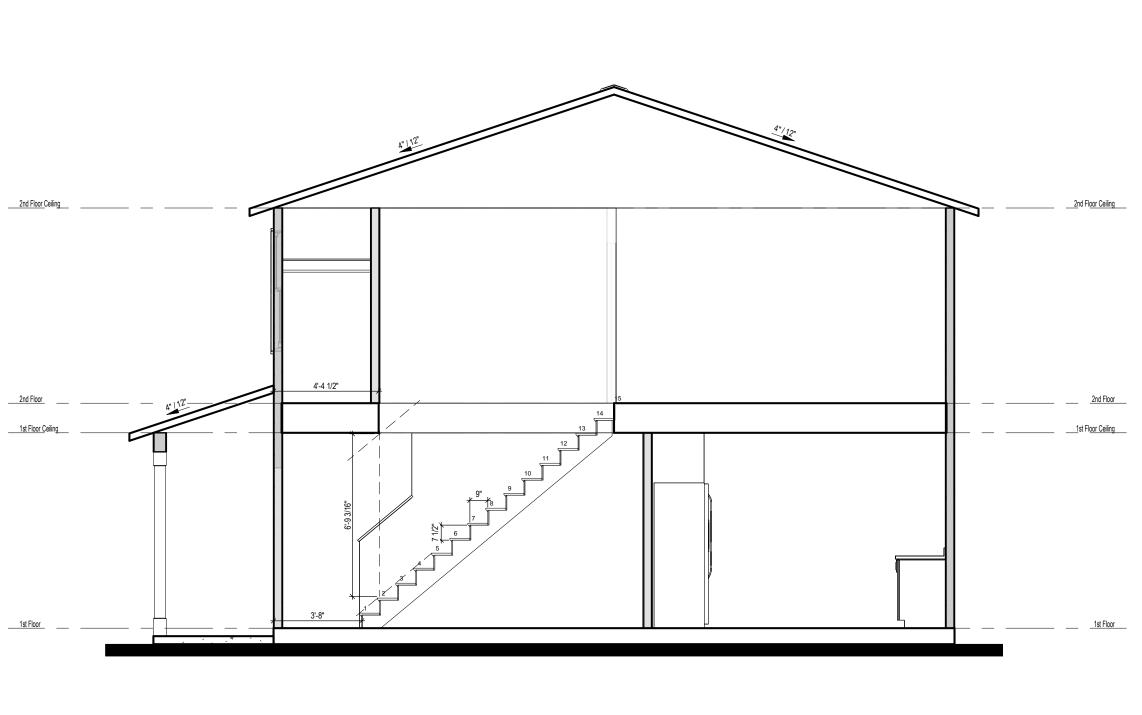
Roof Plan

Address: tbd River Rd Fuquay-Varina, NC 27526

Plan Version Date:

1-20-21

Job Version Date: 1-8-25



1 Building Section
1/4" = 1'-0"



Building Section

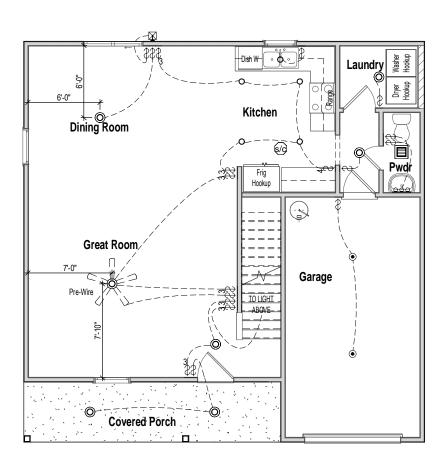
Address: tbd River Rd Fuquay-Varina, NC 27526

Plan Version Date: 1-20-21

Job Version Date: 1-8-25

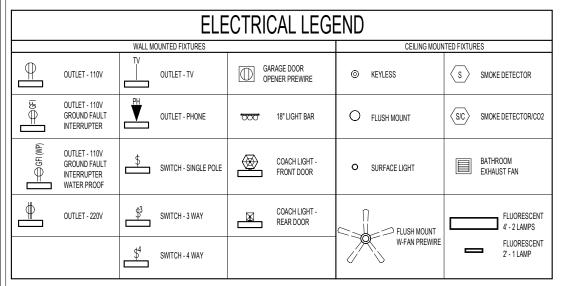
Sheet #:

Pg7



1st Floor Electrical 1/8" = 1'-0"

2nd Floor Electrical 1/8" = 1'-0"



Outlets shown on the electrical layout are in addition to the outlets that shall be provided in accordance with International Residential Code Sections E3901.2 through E3901.11.

THE PAULA - Elevation A

Electrical Plans

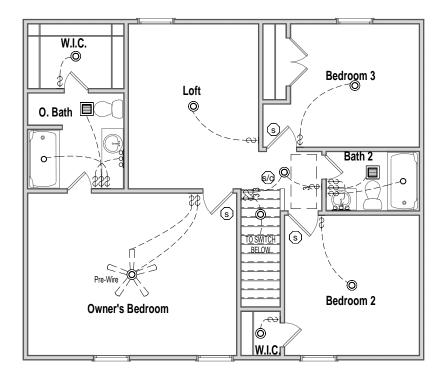
alueBuild

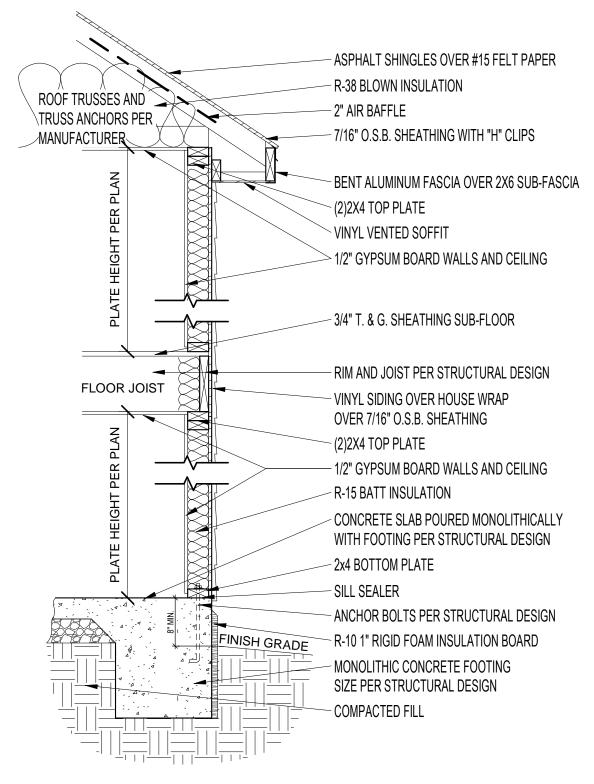
Address: tbd River Rd Fuquay-Varina, NC 27526 Job#: 2024-SAN-075

Plan Version Date: 1-20-21

Job Version Date: 1-8-25

> Sheet #: Pg6





Typical Wall Section - Slab/Mono Fnd 3/4" = 1'-0"



THE PAULA - Elevation A

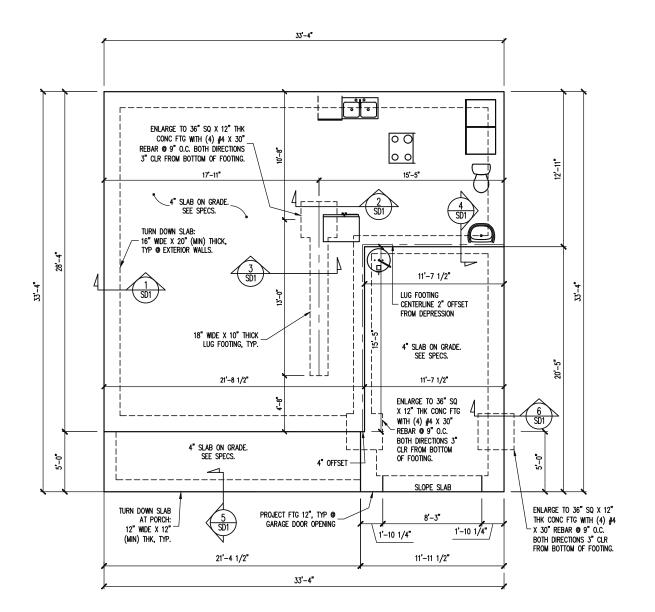
Typical Wall Section

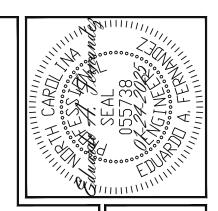
Address:
tbd River Rd
Fuquay-Varina, NC 27526

Plan Version Date: 1-20-21

Job Version Date: 1-8-25

Sheet #: Sec-Mono





VALUE BUILD HOMES
STRUCTURAL ADDENDUM
PVT LOT, RIVER RD
FUQUAY-VARINA, NC
2024-SAN-075 HALL . 0

NOTES:

-HEIGHT AND BACKFILL LIMITATIONS FOR
FOUNDATION WALLS ARE TO BE GOVERNED
BY THE NCSBC, LATEST EDITION.
REINFORCEMENT AND GROUTING SHALL BE
DETERMINED BY FINAL SITE CONDITIONS.

-PLUMBING SHOWN FOR REFERENCE ONLY. BUILDER VERIFY FINAL FIXTURE LOCATIONS, SIZES AND REQUIREMENTS PRIOR TO INSTALLATION.

FOUNDATION PLAN

S1 1 of 6

ENG:

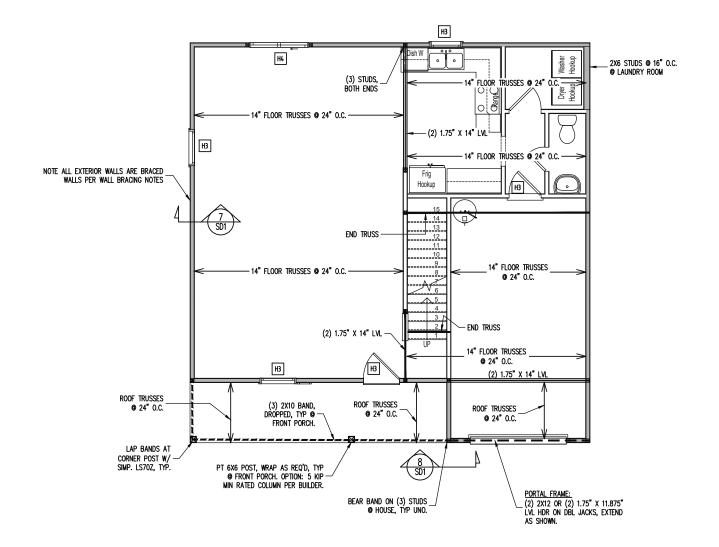
EAF

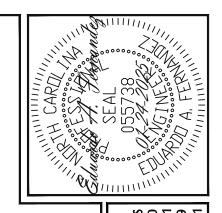
DATE: 01-24-2025

PLAN

PAULA A PROJECT NO. 25-26-011

SHEET NO.





ech 33

CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I—JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

SHADED WALLS:

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C.

NOTES: PROVIDED CONTINUOUS SHEATHING = 132' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

HEADER SCHEDULE

- H1 SINGLE 2X4 TURNED FLAT (A)
- H2 (2) 2X4'S ON SINGLE JACKS (B)
- H3 (3) 2X8'S ON SINGLE JACKS (C)
- H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS
- (A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.
- (B) TYPICAL FOR INTERIOR NON LOAD BEARING
 WALLS ONLY, ROUGH OPNG 38" TO 74" MAX
- (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

-HEADERS IN NON LOAD BEARING INTERIOR
WALLS ARE NOT LABELED.

1ST FLOOR FRAMING PLAN

WALLS AND CEILING 1/8'' = 1'-0''

S2 2 of 6

VALUE BUILD HOMES
STRUCTURAL ADDENDUM

PVT LOT, RIVER RD FUQUAY-VARINA, NC 2024-SAN-075 HALL

: | | |

DATE: 01-24-2025

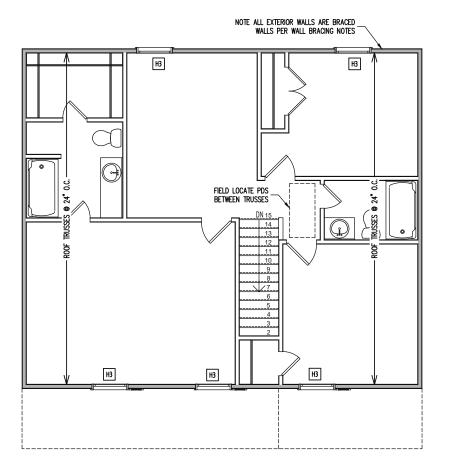
PLAN PAULA A

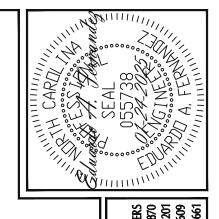
PROJECT NO.

25-26-011 SHEET NO.

EAF

ENG:





REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C.

NOTES: PROVIDED CONTINUOUS SHEATHING = 123' MIN.

H2 (2) 2X4'S ON SINGLE JACKS (B)

WALLS ONLY, ROUGH OPENING 38" MAX.

NOTES:

-HEADERS IN NON LOAD BEARING INTERIOR
WALLS ARE NOT LABELED.

2ND FLOOR FRAMING PLAN

WALLS AND CEILING 1/8'' = 1'-0''

S3 3 of 6

VALUE BUILD HOMES
STRUCTURAL ADDENDUM

PVT LOT, RIVER RD FUQUAY-VARINA, NC 2024-SAN-075 HALL

. 0

DATE: 01-24-2025

PLAN PAULA A

PROJECT NO.

25-26-011 SHEET NO.

EAF

ENG:

INSTRUCTION SPECIFICATIONS						
INSTANT REFERENCES						

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

WALL BRACING

SHADED WALLS:

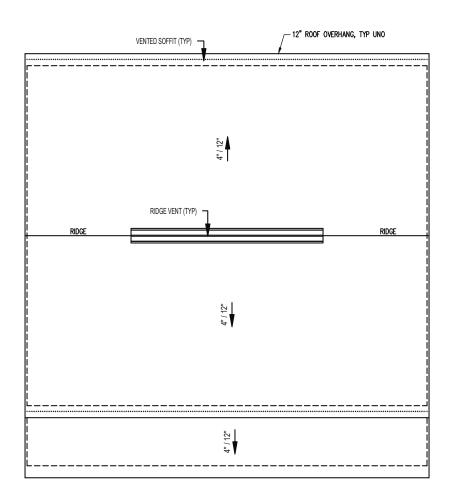
REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

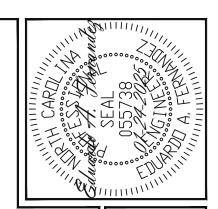
HEADER SCHEDULE

- H1 SINGLE 2X4 TURNED FLAT (A)
- H3 (3) 2X8'S ON SINGLE JACKS (C)
- H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS

(A) TYPICAL FOR INTERIOR NON LOAD BEARING

- (B) TYPICAL FOR INTERIOR NON LOAD BEARING
 WALLS ONLY, ROUGH OPNG 38" TO 74" MAX
- (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.





VALUE BUILD HOMES STRUCTURAL ADDENDUM PVT LOT, RIVER RD FUQUAY-VARINA, NC 2024-SAN-075 HALL

TRUSS UPLIFT CONNECTORS

EXPOSURE B, 120 MPH, ANY PITCH 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE BELOW.

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

OVER 18'

FRAMING NOTES ROOF ONLY -ROOF TRUSSES PER MANUFACTURER, TYP U.N.O.

-VERIFY ROOF PITCHES, OVERHANG LENGTHS, AND KNEEWALL FRAMING HGTS WITH ARCHITECTURAL DRAWINGS, TYPICAL.

ROOF FRAMING PLAN

SHEET NO. **S4** 4 of 6

LOC

DATE: 01-24-2025

PLAN

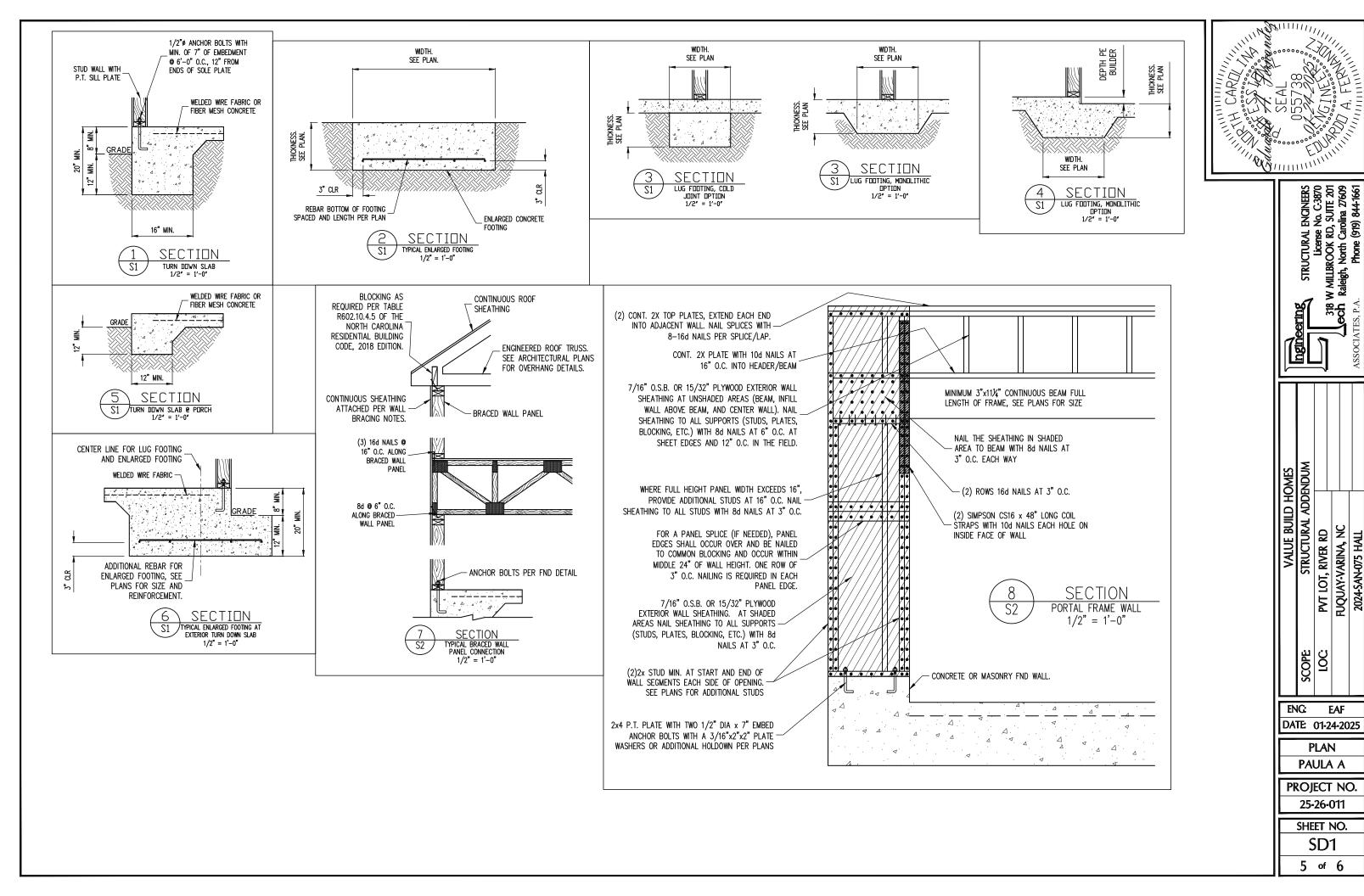
PAULA A

PROJECT NO.

25-26-011

EAF

ENG:



CONSTRUCTION SPECIFICATIONS

PART 1: GENERAL

- 1.01 CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- 1.02 DIMENSIONS SHOWN SHALL GOVERN OVER SCALE ON THESE DRAWINGS.
- 1.05 METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.

PART 2: DESIGN LOADS

2.01 DESIGN LOADS SHALL CONFORM WITH THE TABLE BELOW:

BALCONIES, DECKS, ATTICS WITH FIXED STAIR ACCESS, DWELLING UNITS INCLUDING ATTICS WITH FIXED STAIR ACCESS, STAIRS, FIRE ESCAPES	40	10
GARAGES (PASSENGER CARS ONLY)	50	
ATTICS (NO STORAGE, LESS THAN 5' HEADROOM)	10	10
ATTICS (WITH STORAGE)	20	10
ROOF	20	10 (15 FOR VAULTS)

LIVE LOAD (PSF) DEAD LOAD (PSF)

- Notes: Individual star treads are to be designed for the uniformly distributed Live Load of 40 psf or a 300 lb. Concentrated Load acting over an area of 40, whichever produces the greater stress.

 Bulder to verify dead load does not exceed to psf when heavy floor or roof finishes such as tile or slate are utilized. Notify engineering under these conditions
- 2.02 INTERIOR WALLS: 5 PSF LATERAL.
- 2.03 BASIC WIND DESIGN VELOCITY OF 120 MPH.
- 2.04 SOIL BEARING CAPACITY 2000 PSF (PRESUMPTIVE).

PART 3: STRUCTURAL STEEL

- 3.01 WIDE FLANGE BEAMS AND TEE SECTIONS SHALL CONFORM TO ASTM A992 MINIMUM GRADE
- 3.02 SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500 GRADE B MINIMUM CRADE.
- 3.03 STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, TYPE S, MINIMUM GRADE
- 3.04 ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 MINIMUM GRADE
- STRUCTURAL STEEL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

PART 4: WELDING

4.01 WELDING ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER

PART 5: CONCRETE AND SLABS ON GRADE

- 5.01 CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 6% AIR ENTRAINMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNO. ALL CONCRETE, INCLUDING CONCRETE FOR FOOTINGS, IS TO BE CAST IN PLACE, TYP UNO.
- 5.02 REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 318, LATEST EDITION.
- SLABS ON GRADE, IF ANY, SHALL CONTAIN SYNTHETIC POLYPROPYLENE FIBRILLATED MICRO FIBERS, FIBER LENGTH 1 1/2", DOSAGE RATE 1 1/2 LBS/CU YD. SLAB TO BE PLACED ON A 6 MIL VAPOR BARRIER ON 2" MIN GRANULAR FILL ON SOIL WITH 90% MIN STANDARD PROCTOR DENSITY. VAPOR BARRIER MAY BE OMITTED FOR SLABS NOT IN ENCLOSED AREAS

PART 6: REBAR AND WIRE REINFORCEMENT

- 6.01 REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60 TYP UNO
- 6.02 LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO
- 6.03 WIRE REINFORCEMENT SHALL BE 9 GA AND SHALL CONFORM TO ASTM A1064.

PART 7: MASONRY

- .01 CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND C55, NORMAL WEIGHT, f'M = 1,500 PSI MIN
- 7.02 CLAY MASONRY UNITS SHALL CONFORM TO ASTM C62-17 GRADE SW
- .03 MORTAR SHALL BE TYPE S. MORTAR AND GROUT SHALL CONFORM TO ASTM C476, MIN COMPRESSIVE STRENGTH OF 2000 PSI.
- 04 MASONRY CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF ACI 530
- 7.05 LADDER WIRE REINFORCEMENT SHALL CONFORM TO ASTM A951. 6" MIN LAPS FOR CONTINUOUS WALL APPLICATIONS

PART 8: BOLTS AND LAG SCREWS

- 8.01 BOLTS SHALL CONFORM TO ASTM A307 MINIMUM GRADE TYP UNO. INSTALL STANDARD STEEL WASHERS (ASTM F844-07a) FOR THE NUT / BOLT HEAD WHEN BOLTING WOOD MEMBERS
- 8.02 LAG SCREWS SHALL CONFORM TO ANS/ASME STANDARD B18.2.1-1981. PILOT HOLES SHALL BE USED FOR LAG SCREW INSTALLATION AND SHALL BE BORED ACCORDING TO NDS SPECIFICATIONS. INSTALL STANDARD STEEL WASHERS (ASTM F844-07g) FOR SCREW HEAD
- 8.03 Anchor rods and Bolts shall conform to astm F1554–15 grade 36 uno. Bent anchor bolts shall have a 2" min hook uno

PART 9: DRIVEN FASTENERS

.01 NAILS, SPIKES AND STAPLES SHALL CONFORM TO ASTM F 1667-05. NAILS ARE TO BE

PART 10: DIMENSIONAL LUMBER

10.01 SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 2 SPRUCE PINE FIR <u>OR</u> SYP #2 FOR JOISTS, RAFTERS, GIRDERS, BEAMS, STUDS, ETC.

PART 11: ENGINEERED LUMBER

- 11.01 LV. OR PS. MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.9 X 10E6 PS, Fb = 2600 PS, Fv = 285 PS, Fc = 750 PSI. IS. MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.3 X 10E6 PSI, Fb = 1700 PSI, Fv = 400 PSI, Fc = 680 PSI
- 1.02 LVI. OR PSI. MEMBERS MAY BE RIPPED FROM DEEPER MEMBERS TO MATCH THE MEMBER DEPTH SPECIFIED IN THE PLANS

2.01 LIJMBER IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-15, ALL OTHER EXPOSED LIJMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 OR BY ANY METHOO GIVING EQUAL PROTECTION. THE BUILDING CODE OFFICE MAY ALSO APPROVE A NATURAL

PART 13: STEEL FLITCH PLATE BEAMS

13.01 FLITCH PLATE BEAMS SHALL CONSIST OF A CONTINUOUS STEEL PLATE BOLTED BETWEEN TWO PIECES OF CONTINUOUS LUMBER AS SIZED ON THE PLANS. BOLT PIECES TOGETHER USING 1/2" θ BOLTS SPACED AT 24" O.C. STAGGERED TOP TO BOTTOM OF THE BEAM. MAINTAIN A 2" EDGE DISTANCE, PLACE TWO BOLTS, ONE ABOVE THE OTHER, 6" \pm 2" FROM EACH END OF THE BEAM.

PART 14: STUD SUPPORTS FOR BEAMS

- 8.01 STEEL, ENGINEERED LUMBER, AND FLITCH PLATE BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:
- 1-WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR RULL WIDTH ON THE SUPPORTING WALL INDICATED AND SHALL BE SUPPORTED BY A MINIMAN OF THERE CAMPED STUDS, OR A CANGED STUD COLUMN WITH A NUMBER OF STUDS SUCH THAT THE STUD COLUMN IS AT LEAST AS WIDE AS THE TRUE WIDTH OF THE BEAM BERIOS SUPPORTED, WHICHEVER IS GREATER, THY UND. FOR THE SCREWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM 2-BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 4 1/2" ONTO THE WALL AND BE SUPPORTED BY A TRPL STUD GANGED COLUMN TYP UNO.
- 4.02 DIMENSIONAL LUMBER BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:
- 1-WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR <u>FULL WIDTH</u> ON THE SUPPORTING WALL INDICATED (LESS 1 1/2" TO ALLOW

- FIGH. A CUNTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A GANGED STUD COLUMN THE SAME WIDTH AS THE BEAM TYP UNO. (E.G. A TRIPLE 2X10 IS TO BE SUPPORTED BY (3) STUDS). FOR THE SKEWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM SHALL BEAR SHALL BEAR A MINIMUM OF 3" ONTO THE WALL AND BE SUPPORTED BY A DBL STUD GANGED COLUMN TYP UNO. FOR A CONTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A
- 14.03 Extra Joists Bearing on a Stud Wall Perpendicular to or skewed relative to the Beam shall be supported by one additional Stud.
- STUDS THAT ARE CANGED TO FORM A COLUMN SHALL HAVE ADJACENT STUDS WITHIN THE COLUMN NALED TOGETHER WITH ONE ROW OF 10d NAILS AT 8" O.C. (TWO ROWS OF 10d NAILS OF 8" O.C. 3" APART, FOR 28' OR 22'03 STUDS) ALL COLUMNS SHALL BE CONTINUOUS DOWN TO THE FOUNDATION OR OTHER PROPERTY DESIGNED STRUCTURAL LEIGHAT SUCH SA DEAM COLUMNS TRANSFERRING LOADS THROUGH FLOOR LEVELS SHALL BE SOLDLY PLOCKED FOR THE FULL WIDTH OF THE STUD COLUMN WHITH THE CANTY FORMED BY THE

PART 15: NAILING OF MULTI PLY WOOD BEAMS

- SOLID SAWN LUMBER JOISTS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM NAILED TOGETHER WITH THREE ROWS OF 104 NAILS 9 16" OL. FOR 2210 OR LARGER, THØ ROWS OF 104 NAILS 90 16" OL. FOR 228, ONE ROW OF 104 NAILS 9 16" OL. FOR 226 OR SMALLER. STAGGER ROWS 5" MIN.
- 15.02 LVL MEMBERS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM FASTENED TOGETHER PER MANUFACTURERS RECOMMENDATIONS, TYP

PART 16: WALL FRAMING AND BRACING

STUD WALLS SHALL CONSIST OF 22/4 STUDS SPACED AT 16" O.C. UNO. STUDS SHALL BE CONTINUOUS FROM SOLE PLATE AT FLOOR TO DOUBLE TOP PLATE AT THE CEILING R ROOF. NO INTERMEDIATE RANDS OR PLATES SHALL CLASS DISCONTINUITIES IN A STUD WALL EXCEPT AS REQUIRED FOR DOOR OR WINDOW OPENINGS. THE KING STUDS FOR SUCH OPENINGS SHALL BE CONTINUOUS. TYP UNO.

MAX ALLOWAME WALL HEIGHT FOR EXTERIOR STUD WALLS, WITH SOLE PLATE AND DBL TOP PLATE AND 7/16" OSB EXTERIOR BRACING AND ROW OF 22/4 / 21/6 PURLINS AT 8" HEIGHT (AND AT 16" HEIGHT FOR TALL WALLS), TYP UNO: 24/4 012" O.C.: 112"—11/2" 26/6 016" O.C.: 17"—0"

DBL 22/4 016" O.C.: 13"—4" DBL 22/6 016" O.C.: 21"—0"

16.02 FOR WALL BRACING THE FOLLOWING SHALL APPLY:

-BLOCKING AT UNSUPPORTED PANEL EDGS IS REQUIRED TYP UNO.

-WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION
602.10 OF THE 2018 NCRC. CONTINUOUS SHEATHING HAS BEEN PROVIDED. ALONG
WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10

-BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TABLE 602.3(1) TO
PROVIDE CONTINUOUS PANEL UPILIT RESISTANCE AND COMPULANCE WITH NORSC.

-MAY SUBSTITUTE WAS FOR GB
-SINGLE JOIST, CONTINUOUS RIN JOIST, OR BLOCKING OF EQUAL DEPTH IS REQUIRED
ABOVE AND BELOW ALL BRACED WALLS. NALL BLOCKING OF EQUAL DEPTH IS REQUIRED
WITH 16d TOE NALLS 06 6" O.C. NALL SOLE PLATE OF BRACED WALL TO BLOCKING
BELOW WITH (3) 166 NALLS 016" O.C. BLOCKING OF TOR ADOVE WALL TO BLOCKING
BELOW WITH (3) 166 NALLS 016" O.C. BLOCKING OF HORIZONTAL JOINTS IN BRACED
WALL LINES ONLY REQUIRED AT SHADED WALLS, UNO.

PART 17: KING STUDS

17.01 KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS:

	NUMBER OF KING STUDS					
MAX OPENIN	G WIDTH	5'-0"	9'-0"	13'-0"	17'-0"	21'-0"
	2X4	1	2	3	4	5
STUD SIZE	2X6	1	1	2	2	2
	2X8	1	1	1	1	2

PART 18: SUBSTITUTIONS

MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN AUTHORIZATION OF THE DESIGNERS. UNAUTHORIZED DEVIATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PART 19: OWNERSHIP OF STRUCTURAL DESIGN

THE STRUCTURAL DESIGN OF THIS PLAN IS THE PROPERTY OF ENGINEERING TECH ASSOCIATES (ETA). THESE PLANS ARE FOR THE ONE TIME USE AT THE LOCATION INDICATED AND FOR THE CLENT USED. ETA ASSUMES NO LIABILITY FOR THESE PLANS IF THEY ARE REPRODUCED, IN MOLE OR IN PART, FOR CONSTRUCTION AT ANY OTHER LOCATION WITHOUT WRITTEN PERMISSION FROM ETA

CARAMINATION OF THE CARAMI

RAL ENGINERS anse No. C-3870 (RD, SUITE 201 (Carolina 27609 2 (919) 844-1661 STRUCTURAL E
License I
MILLBROOK RD,
aleigh, North Carc
Phone (979 **€**

OMES	WDQN:			
VALUE BUILD HOMES	STRUCTURAL ADDENDUM	PVT LOT, RIVER RD	FUQUAY-VARINA, NC	2024-SAN-075 HALL
	SCOPE	: 201		
EN	IC:	I	AF	

DATE: 01-24-2025

PLAN PAULA A

PROJECT NO. 25-26-011

> SHEET NO. **SPECS**

THE BUILDER IS RESPONSIBLE FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE BUILDER SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD (EOR) BEFORE PROCEEDING IF THE FOLLOWING CONDITIONS ARE NOTED BEFORE OR DURING CONSTRUCTION:

THE WORKING PLANS DO NOT BEAR THE SEAL OF THE EOR THE PLANS CONTAIN DISCREPANT OR INCOMPLETE INFORMATION any errors due to a failure to follow the above procedures shall not be the responsibility of the Eor. Furthermore, it is the responsibility of the builder to ensure than any revisions issued by the Eor are promply distributed to the

THE EOR DOES NOT PERFORM FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER CALCULATIONS THAT ARE NOT DIRECTLY RELATED TO STRUCTURAL ENGINEERING. ROOF AND FLOOR TRUSSES TO BE DESIGNED BY AN ENGINEER REGISTERED BY THE STATE. FINAL FLOOR TRUSSES TO BE DESIGNED BY AN ENGINEER REGISTERED BY THE STATE. FINAL FLOOR FLO

ABV ABOVE B. BOTH B.E. BOTH ENDS BTWN BETWEEN CIP CAST IN PLACE

CONC CONCRETE

CS CONTINUOUS SHEATHIN DIA DIAMETER DBL DOUBLE D.I DOUBLE JOIST DSP DBL STUD POCKET
EQ EQUAL
EA EACH
FLG FLANGE

FND FOUNDATION FTG FOOTING HDG HOT DIPPED GALVANIZED O.C. ON CENTER

TJ TRIPLE JOIST
TYP TYPICAL
TRPL TRIPLE
TSP TRIPLE STUD POCKET
UNO UNILESS NOTED

ABBREVIATIONS

HGR HANGER LVL LAMINATED VENEER LUMBER NTS NOT TO SCALE

PSL PARALLEL STRAND

LUMBER
PT PRESSURE TREATED
QJ QUAD JOIST
SP STUD POCKET SQ SQUARE

TRUSS DRAWING SHOULD BE SUBMITTED TO THE EOR FOR REVIEW

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