

# CHICKADEE MODEL

## SPRING LAKE, NC 28390



SELF SUSTAINABLE SOLUTIONS

CHICKADEE MODEL  
51 Appaloosa Dr.

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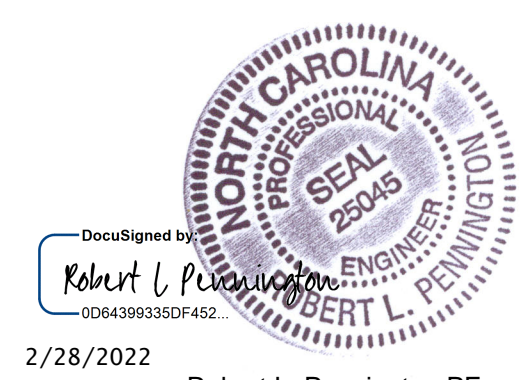


### 3 BEDROOMS - 2 BATHROOMS

COVER SHEET

REVISION	BY	Date

Date 02-27-2022  
 Scale  
 Checked by MMP  
 Project number 22122



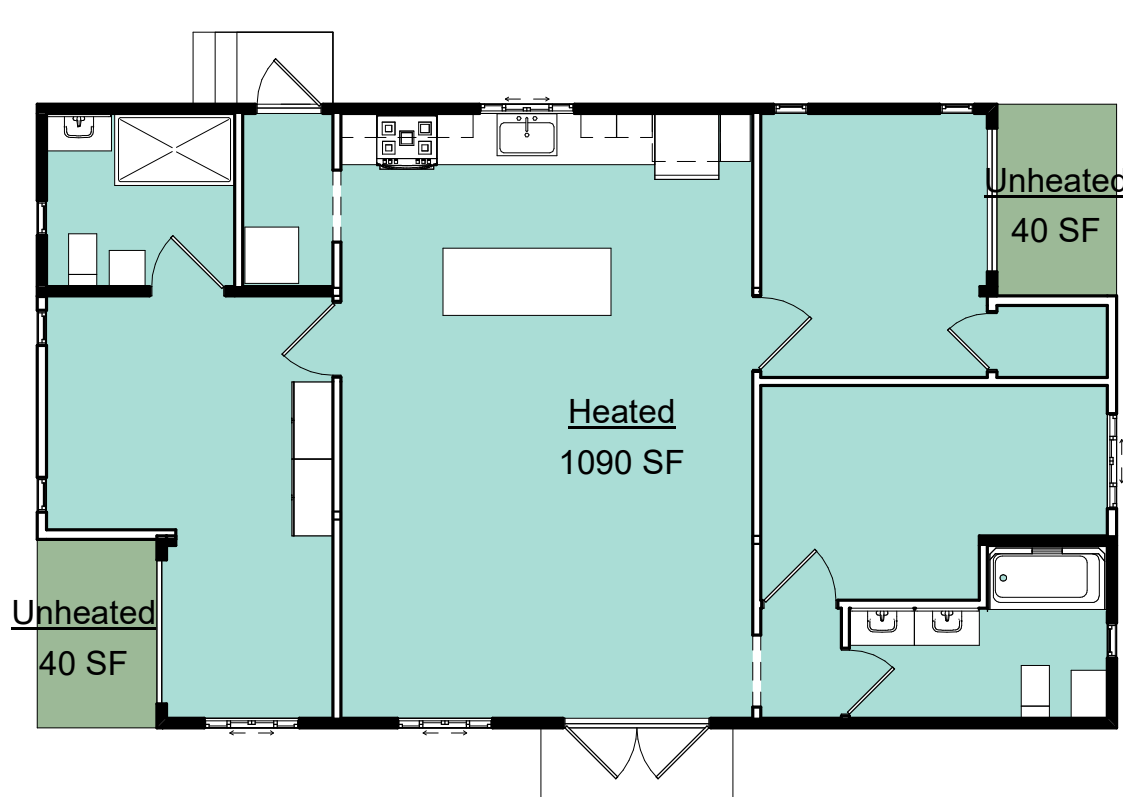
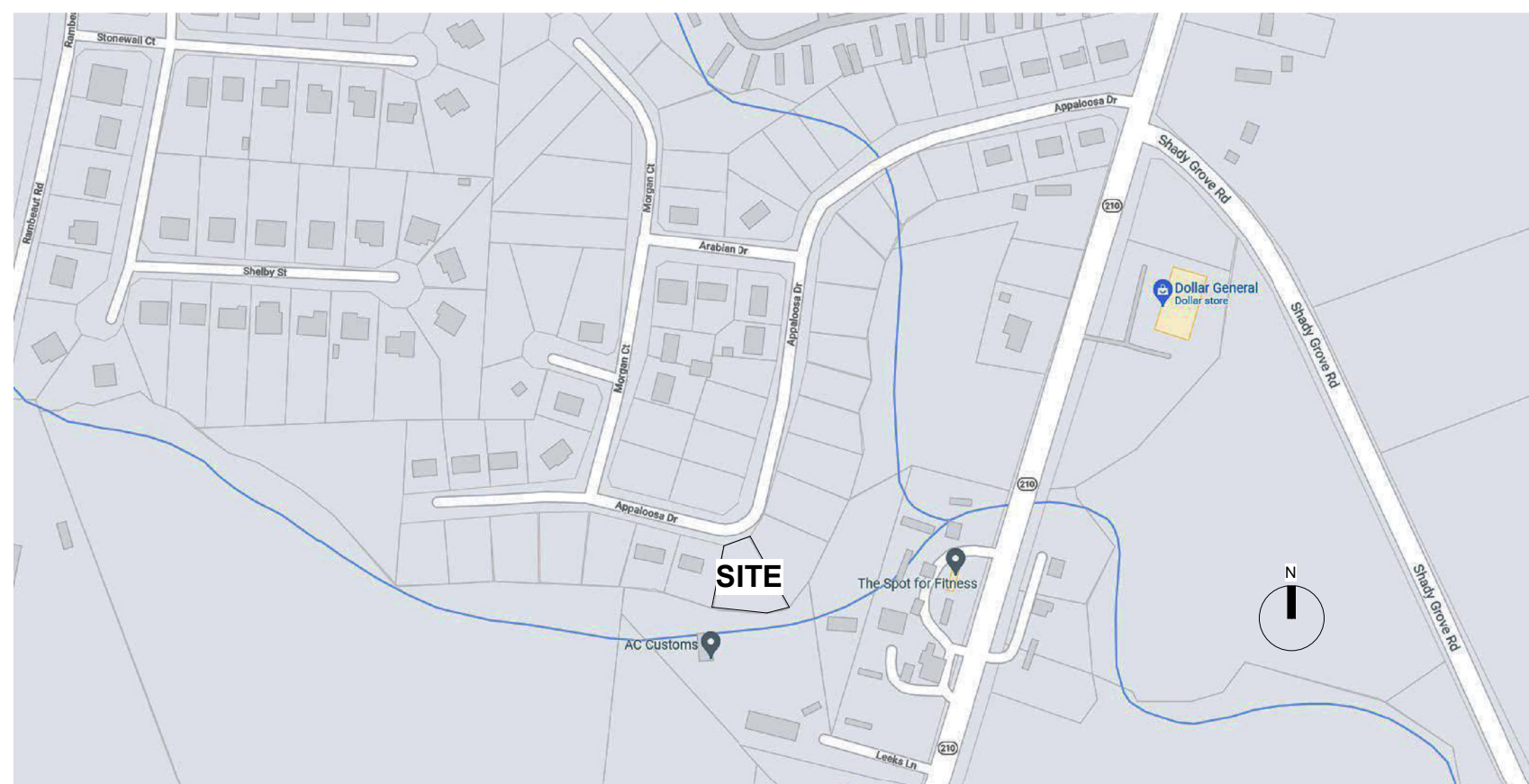
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D1.0

**VICINITY MAP**

LOCATION: 51 APPALOOSA DR. SPRING LAKE, NC 28390

HARNETT COUNTY



**Areas**

- 80 SF
- 1090 SF

Areas Schedule		
Name	Area	Level
Heated	1090 SF	FIRST FLOOR PLAN
Unheated	40 SF	FIRST FLOOR PLAN
Unheated	40 SF	FIRST FLOOR PLAN

**GENERAL NOTES**

**ENGINEER NOTES SUPERSEDE GENERAL DESIGN NOTES**

**01 GENERAL**

**01.01 SUMMARY**

**01.02 QUALITY REQUIREMENTS**

- .01 ALL CONSTRUCTION SHALL COMPLY WITH THE 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL
- .02 ALL DIMENSIONS ARE FROM FACE OF STRUCTURE UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS PRIOR TO STARTING WORK. CONTACT STRUCTURAL ENGINEER AS APPROPRIATE IF CONFLICTING OR PROHIBITIVE CONDITIONS ARE ENCOUNTERED.

**01.03 PERFORMANCE REQUIREMENTS**

- .01 PRIMARY USE LOADS
  - ROOF LL 30 PSF
  - DL 15 PSF
  - FLOOR LL 40 PSF
  - DL 10 PSF
- .02 DESIGN WIND SPEED
  - ELEVATION 2100 AMSL
  - WIND SPEED 115 MPH
- .03 SEISMIC DESIGN CATEGORY
  - CATEGORY C
- .04 GROUND SNOW LOAD
  - SNOW LOAD 20 PSF

**03 CONCRETE**

**03.01 CAST-IN-PLACE CONCRETE FOOTINGS**

- .01 SHALL CONFORM TO ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- .02 ALL CONCRETE SHALL ACHIEVE A COMPRESSIVE STRENGTH (F<sub>c</sub>) OF 3,000 PSI AT 28 DAYS U.N.O.
- .03 ALL CONCRETE SHALL BE "NORMAL WEIGHT" (150 PCF) U.N.O.
- .04 MAXIMUM WATER TO CEMENT RATIO = 0.5
- .05 AIR CONTENT = 6%
- .06 DELIVERED PRE-MIX CONCRETE SHALL NOT HAVE WATER ADDED WITHOUT APPROVAL OF ENGINEER.
- .07 CALCIUM CHLORIDE OR SALT ADMIXTURES ARE NOT PERMITTED.

**05 METALS**

**05.01 STRUCTURAL STEEL**

- .01 SHALL CONFORM TO AISC 360: SPECIFICATION FOR STEEL BUILDINGS.
- .02 SHALL CONFORM TO RCSC: SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS.
- .03 SHALL BE SEALED FOR CORROSION RESISTANCE.
- .04 MATERIALS
  - HSS = ASTM A600 GRADE B (F<sub>y</sub>=46 KSI)
  - PIPE = ASTM A53 GRADE B (F<sub>y</sub>=35 KSI)
  - CHANNEL = ASTM A36 (F<sub>y</sub>=36 KSI)
  - PLATE & BAR = ASTM A36 (F<sub>y</sub>=36 KSI)
  - W-SHAPE = ASTM A992 (F<sub>y</sub>=50 KSI)

**05.02 WELDS**

- .01 ELECTRODES = 70XX

**05.03 REINFORCING STEEL**

- .01 ASTM A615, GRADE 60
- .02 HORIZONTAL REINFORCING IN FOOTINGS TO BE TIED AND SUSPENDED FROM ABOVE, OR TO BE PLACED ON CHAIRS DESIGNED TO SUPPORT REINFORCING ON GRADE. DO NOT USE ROCKS OR WOOD TO SUPPORT REINFORCING.
- .03 PROTECT CONCRETE FROM COLD WEATHER DURING POURING AND CURING PER ACI 306R.
- .04 POST-INSTALLED ANCHORS TO BE INSTALLED FOLLOWING MANUFACTURER'S INSTRUCTIONS INCLUDING THOROUGH HOLE CLEANING.

**06 WOOD, PLASTICS, AND COMPOSITES**

**06.01 GENERAL**

- .01 ALL WOOD DESIGN AND CONSTRUCTION TO CONFORM TO THE ANSIAWC NDS: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
- .02 ALL LUMBER SHALL BE PROTECTED FROM MOISTURE, HEAT AND DAMAGE DURING DELIVERY, STORAGE AND INSTALLATION.

**06.02 WOOD FRAMING**

- .01 SHALL BE GRADED PER ANSIAWC NDS: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
- .02 ALL REFERENCED PRESSURE-PRESERVATIVE TREATED LUMBER (PT) SHALL BE SOUTHERN PINE, #2 OR BETTER.

**GENERAL SYMBOL LEGEND**

	ELEVATION IN PLAN & SECTION
	MATERIAL TAG
	WINDOW TAG
	DOOR TAG
	COLUMN GRIDS
	SECTION SYMBOL
	ELEVATION SYMBOL
	NORTH ARROW
	CEILING TAG



2/28/2022

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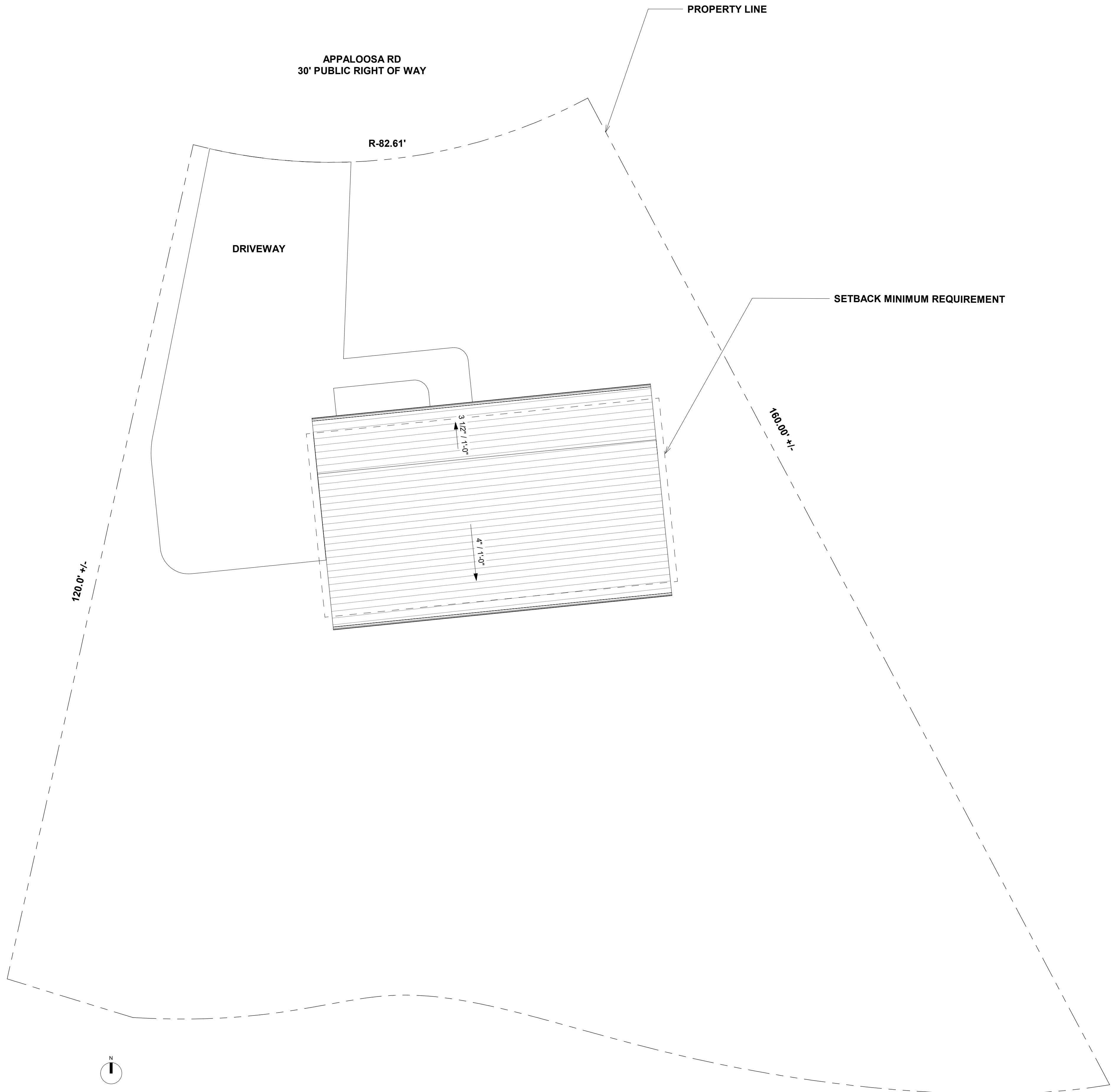
51 Appaloosa Dr.  
Spring Lake, NC 28390

GENERAL NOTES

REVISION	BY	Date

Date	02-27-2022
Scale	1/8" = 1'-0"
Checked by	MMP
Project number	22122

D1.1



① SITE  
1/8" = 1'-0"

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PROPOSED SITE PLAN

REVISION	BY	Date

Date 02-27-2022  
Scale 1/8" = 1'-0"  
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Project number 22122



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D1.2

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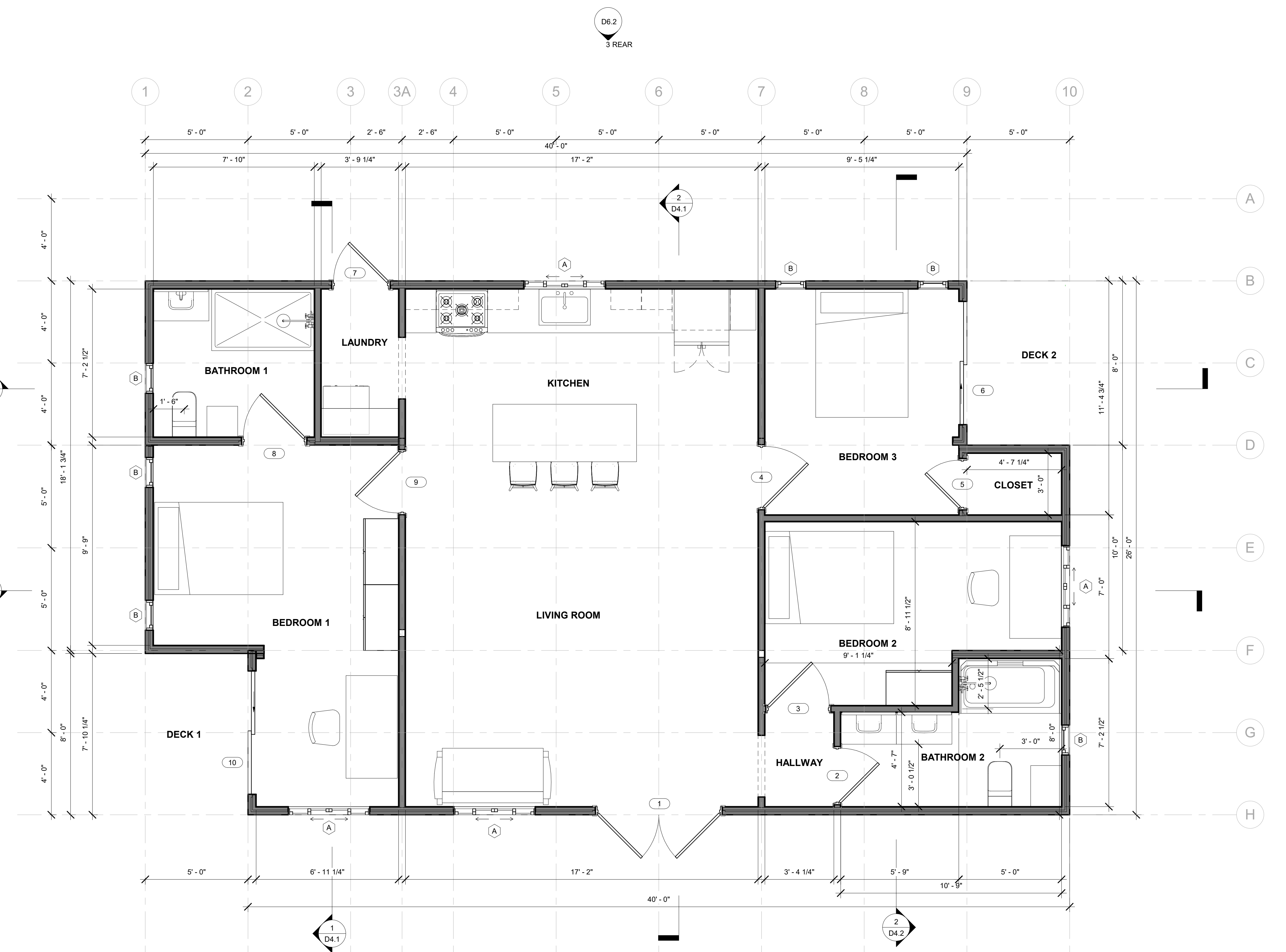
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# FIRST FLOOR PLAN

REVISION	BY	Date

Date 02-27-2022  
 Scale 3/8" = 1'-0"  
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 Project number 22122

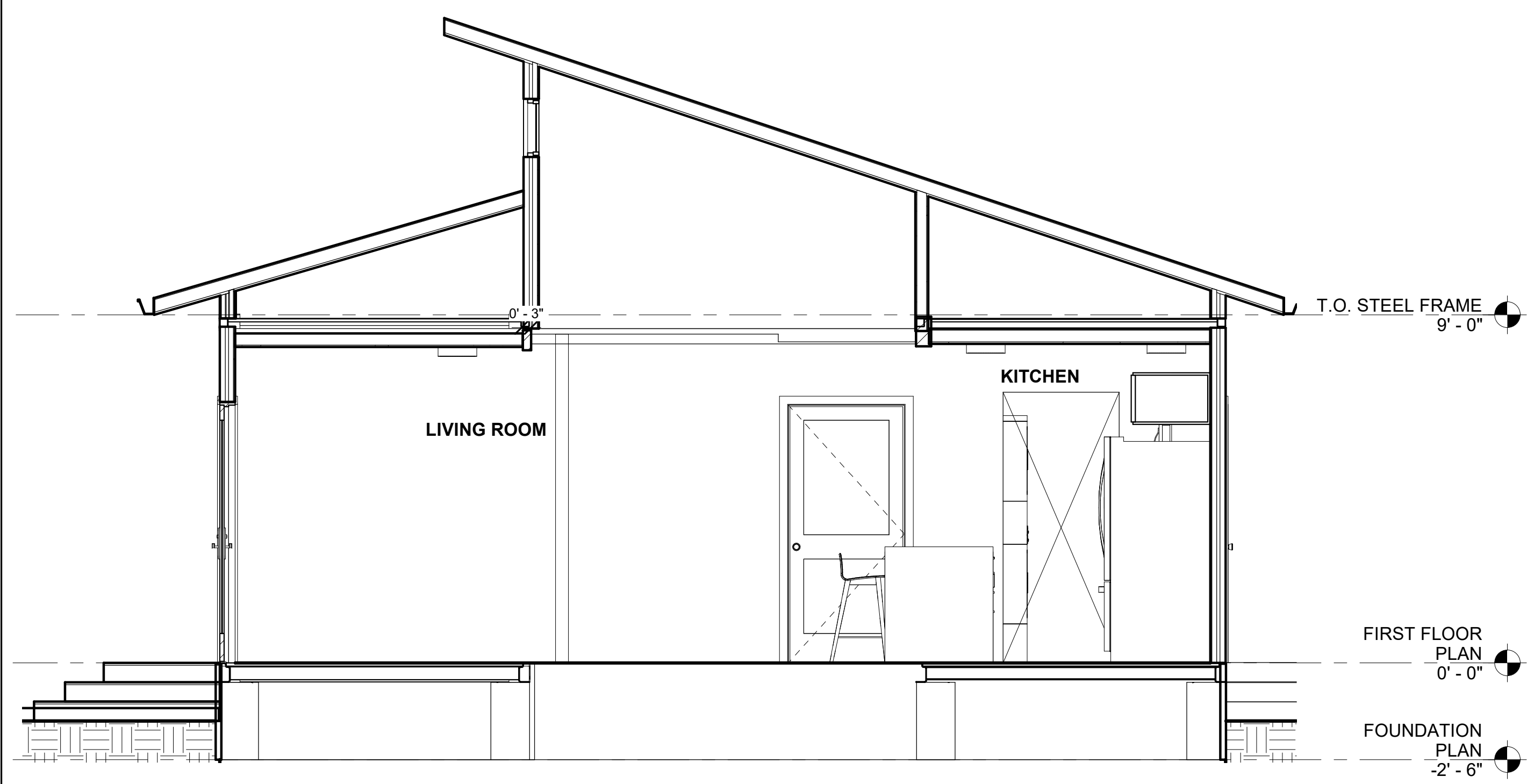
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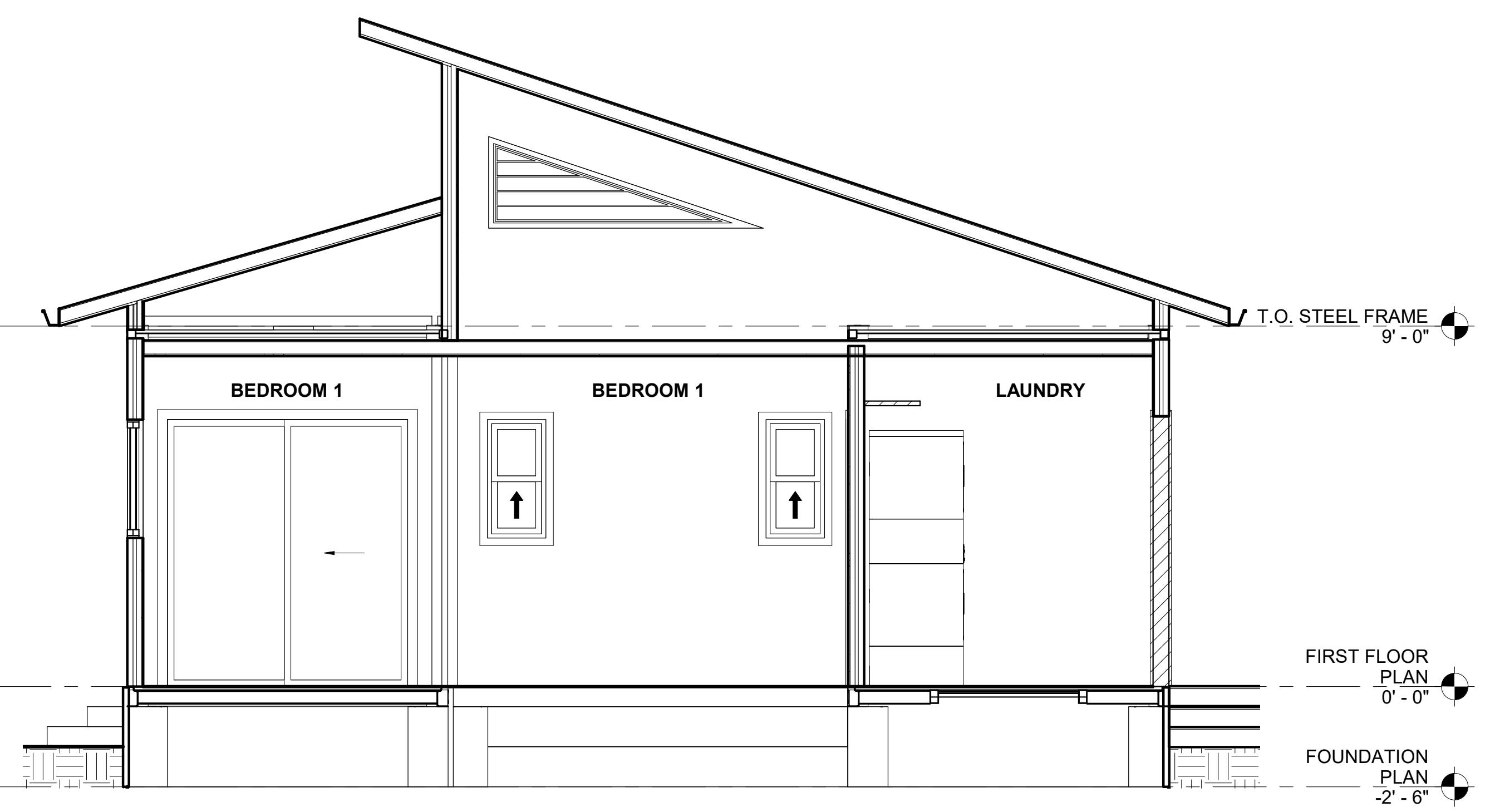
1 FIRST FLOOR PLAN  
 3/8" = 1'-0"

DocuSigned by:  
  
 Robert L. Pennington  
 ENGINEER  
 25045  
 2/28/2022

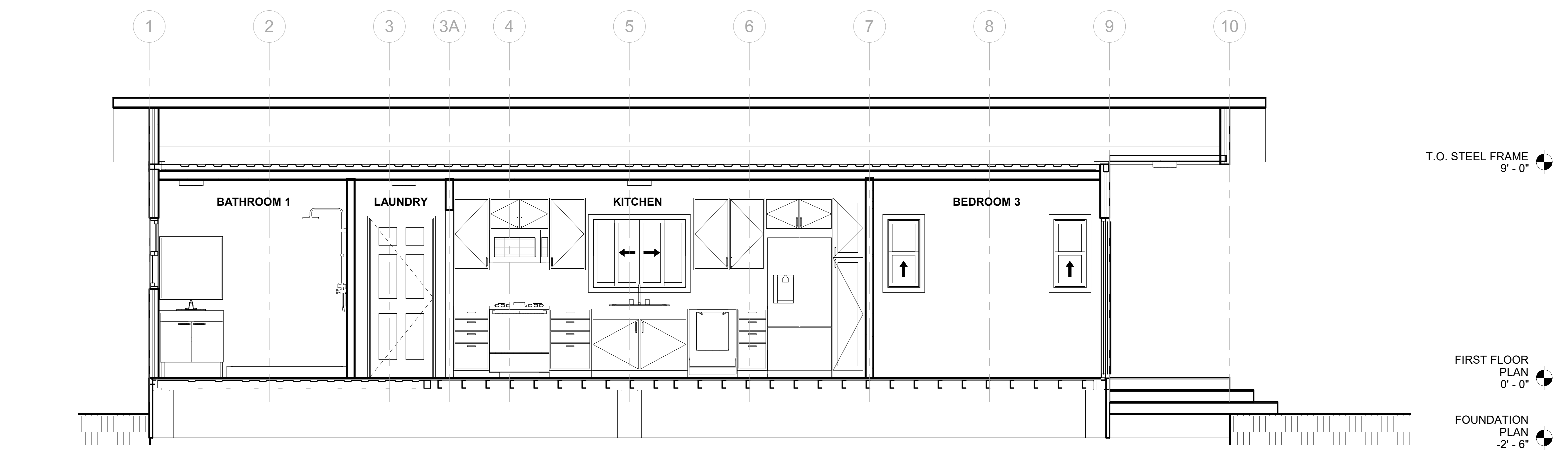
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② TRANSVERSE SECTION 2  
 3/8" = 1'-0"



① TRANSVERSE SECTION 1  
 3/8" = 1'-0"



④ LONGITUDINAL SECTION 1  
 3/8" = 1'-0"

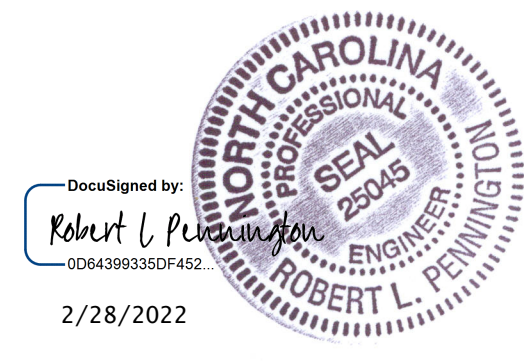
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SECTIONS

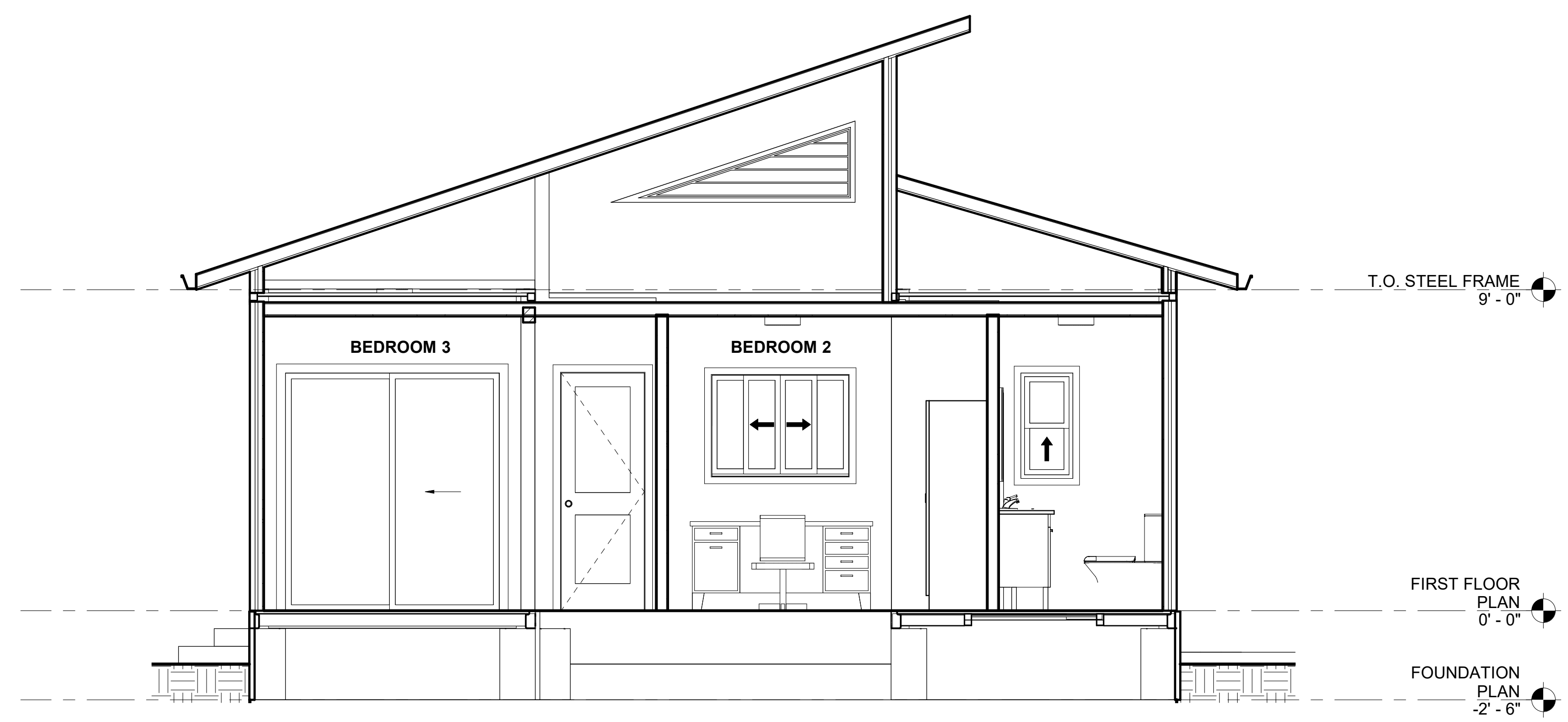
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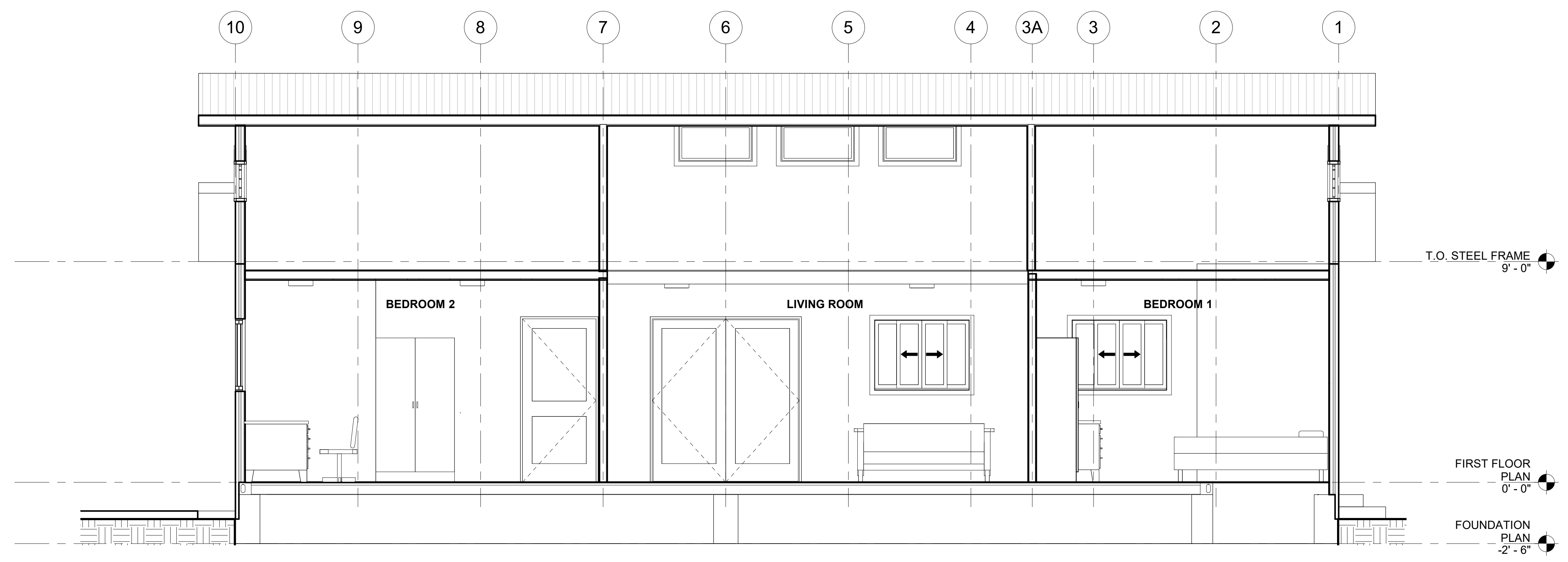


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D4.1



② TRANSVERSE SECTION 3  
 3/8" = 1'-0"



① LONGITUDINAL SECTION 2  
 3/8" = 1'-0"

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SECTIONS

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D4.2



② ROOF PLAN  
3/8" = 1'-0"

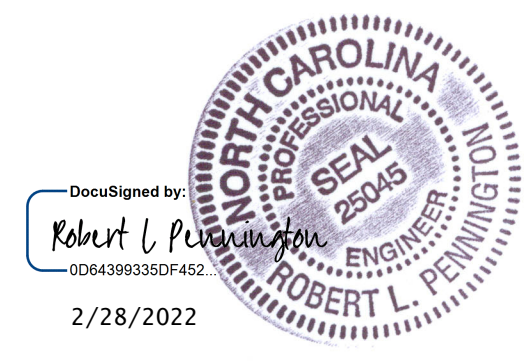
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ROOF PLAN

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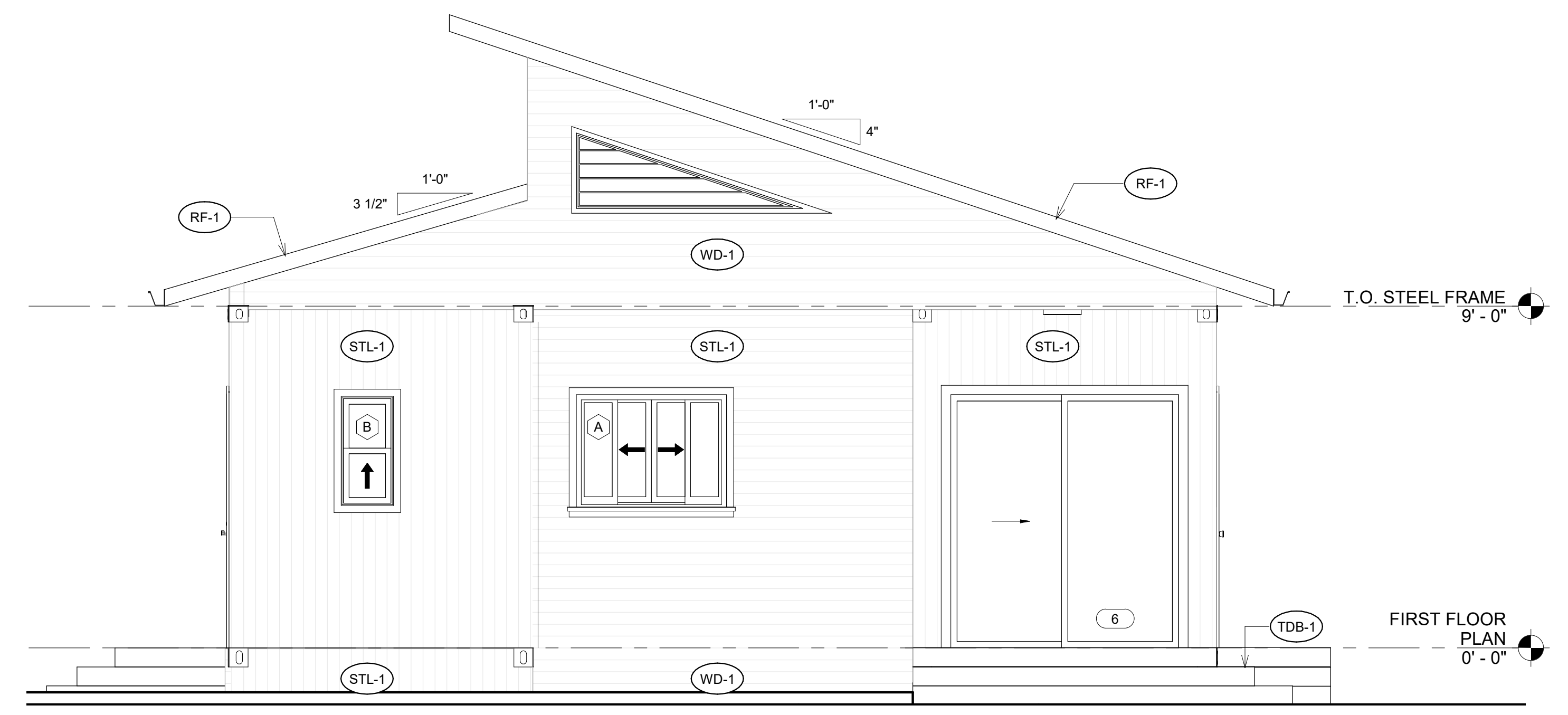


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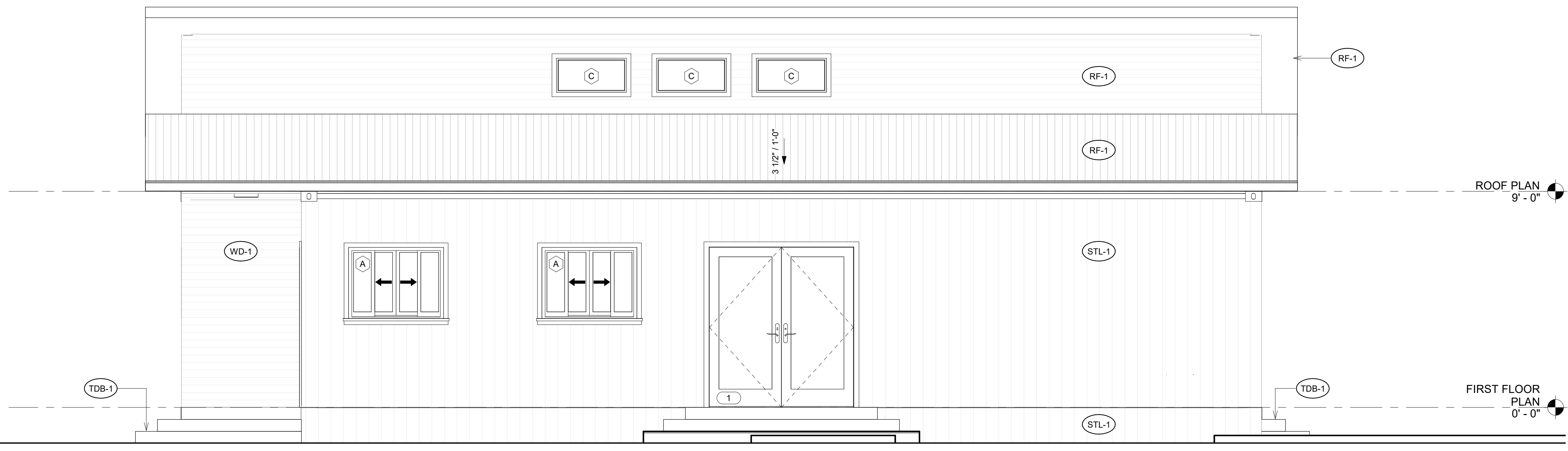
D5.1

MATERIAL	DESCRIPTION
(STL-1)	CORRUGATED STEEL
(WD-1)	T-11 BOARD SIDING
(TDB-1)	TREATED LUMBER DECK MATERIAL
(RF-1)	MILD STEEL PLATE (14 G) LASER CUT AND FORMED ROOF MATERIAL
(LAM-1)	LVT LAMINATE FLOOR

NOTE: ENGINEER NOTES SUPERSEDE GENERAL DESIGN NOTES



② RIGHT  
 3/8" = 1'-0"



① FRONT  
 3/8" = 1'-0"

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EXTERIOR ELEVATIONS

REVISION	BY	Date

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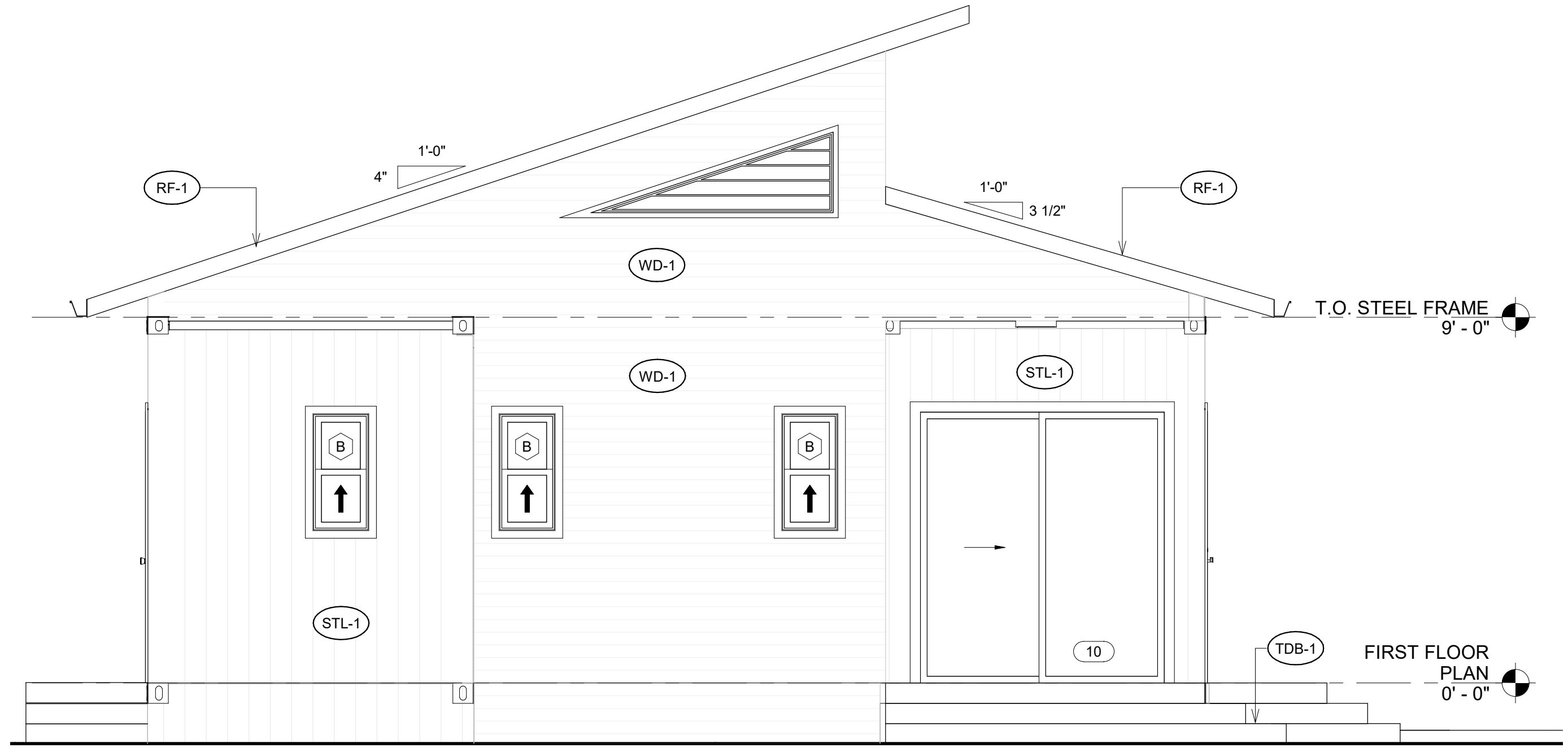
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D6.1

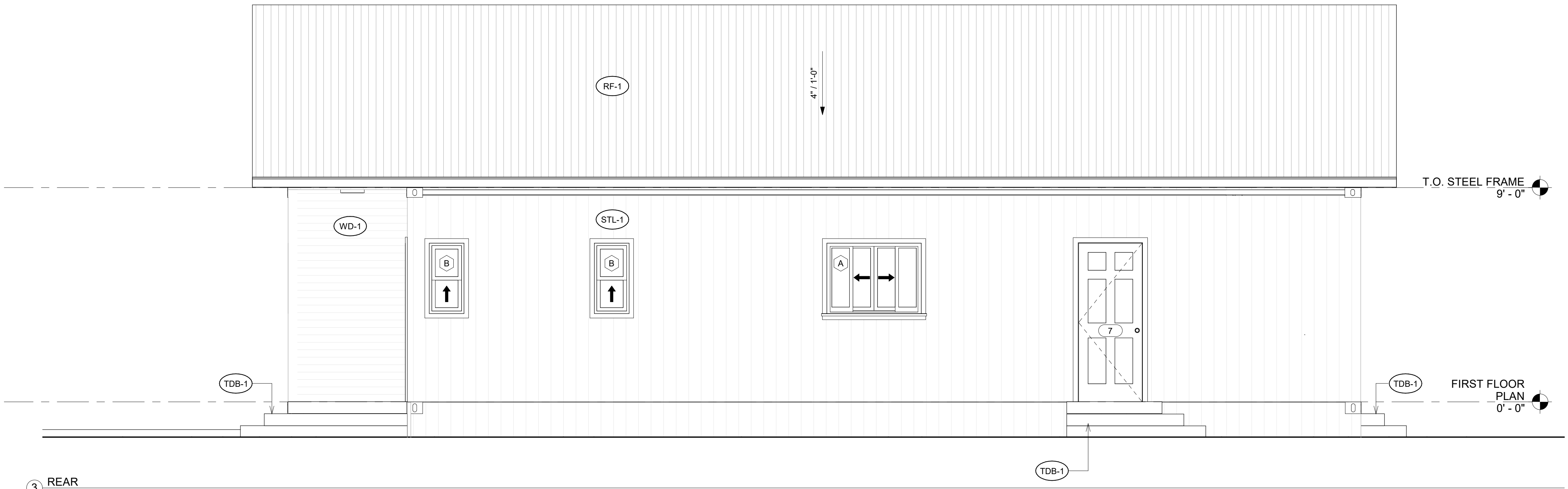


MATERIAL	DESCRIPTION
(STL-1)	CORRUGATED STEEL
(WD-1)	T-11 BOARD SIDING
(TDB-1)	TREATED LUMBER DECK MATERIAL
(RF-1)	MILD STEEL PLATE (14 G) LASER CUT AND FORMED ROOF MATERIAL
(LAM-1)	LVT LAMINATE FLOOR

NOTE: ENGINEER NOTES SUPERSEDE GENERAL DESIGN NOTES



4 LEFT  
3/8" = 1'-0"



3 REAR  
3/8" = 1'-0"

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EXTERIOR ELEVATIONS

REVISION	BY	Date

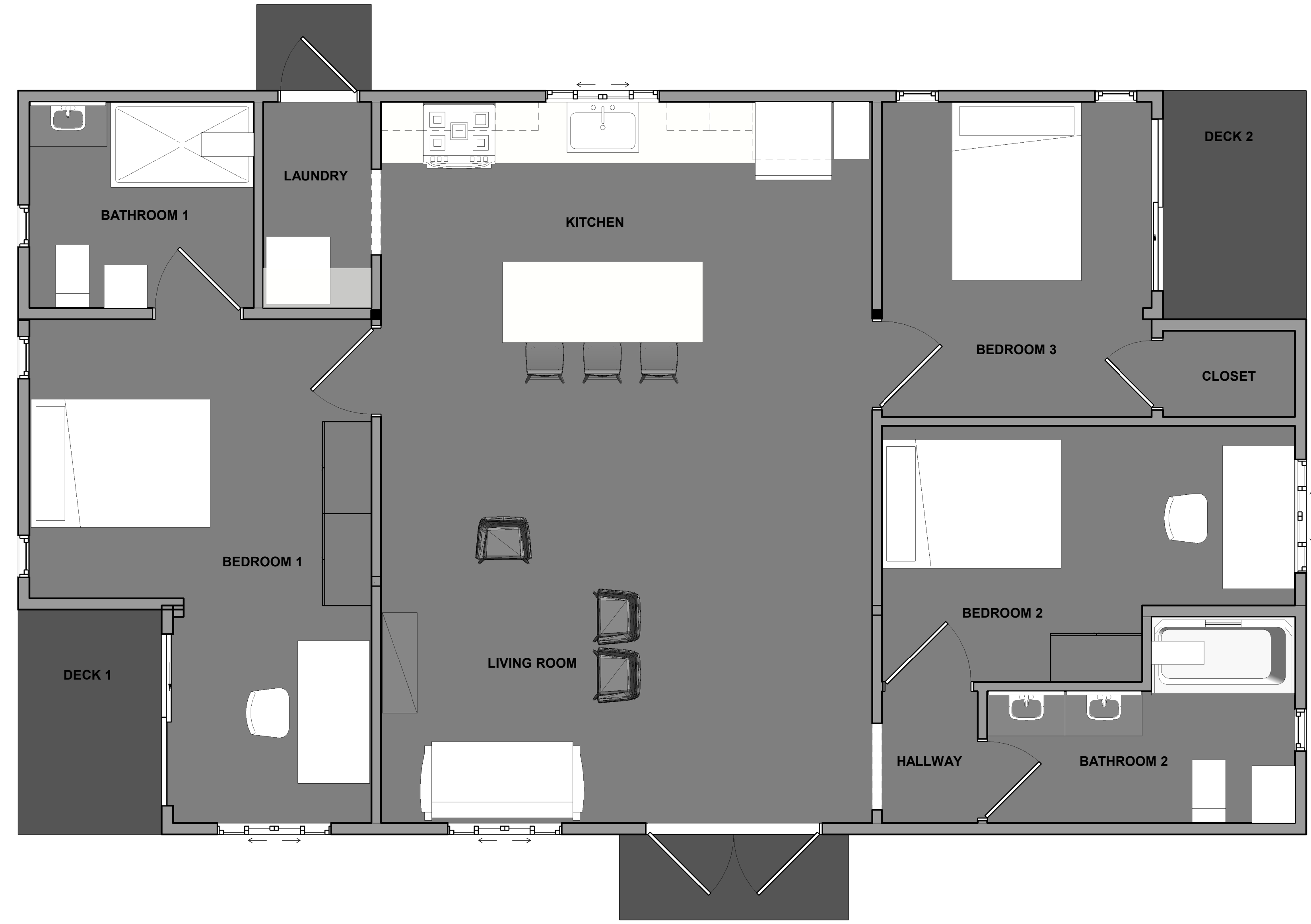
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D6.2



1 PRESENTATION PLAN  
3/8" = 1'-0"

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PRESENTATION FLOOR PLAN

REVISION	BY	Date

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D7.1



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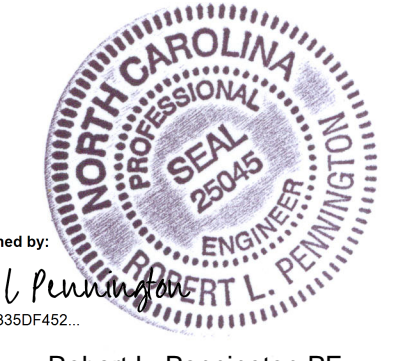
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RENDERINGS

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D7.2