



1

"Longhouse" - Seattle ADA Backyard Cottage - Category: Accessible

Val Sporleder
Owner / Designer
1 AD Studio LLC
val@1adstudio.com
206-604-1351

PROJECT DESCRIPTION:

This plan aims to provide a fully Accessible, 350 Sq. Ft DADU. Beginning with a ramp running the length of the front of the home, wrapping around to an outdoor space and private entrance with outdoor storage. The double wide doors allow for easy access for any mobility device, appliance, or other equipment.

Capitalizing on the size, orientation, and shape of existing garages on Seattle parcels, this home will easily nestle into the majority of lots in Seattle that previously had garages.

This home has extensive south facing windows for solar gain in the cooler months, and a 3' overhang for shading in the summer, and awning windows at the top and bottom of opening provide for a Trombe wall effect with hot air exiting up high and cool air entering at lower windows.

All space is kept open while still providing privacy for the activities of daily living and designed for someone with limited mobility who wants to live independently.

HOW SUBMISSION FULFILLS DESIGN CRITERIA:

Wide doors and passages keep this space easy to navigate. All appliances are efficient and adaptable: drawer dishwasher, sink with removable cabinet doors, side mounted, motion activated faucet, and easy access fridge and a washer/ dryer combo unit. A wall mount toilet and sink, zero threshold shower, and a 5' diameter circle for maneuverability in the bathroom makes this space easily navigated with a wheelchair.

All utilities are electric: On-demand water heater and heat pump, are located in the attic space over the bathroom. This leaves soaring 11' ceilings in the living spaces.

Limited windows on 2 sides and clever positioning of outdoor storage help provide privacy. Pier Foundation system (such as Diamond Piers) leads to a more cost effective (less labor and materials) and green foundation system (less impact on the environment).

1 AD Studio LLC was started in 2014 after receiving a Bachelors degree in design. I had previously received a degree in Sociology and assumed this experience had little to do with architectural design. Turns out the two are tightly intertwined and I have dedicated my practice to using knowledge learned from both to provide affordable housing to ALL Seattle's residents.

It was difficult to know the direction to take my business as very few design practices create their business model to serve a lower income segment of the population. Standard Plans fits in with this model nicely.

I am a Certified Aging in Place Specialist (CAPS) and an ADU Specialist. I am a Project Lead with Architects Without Borders working on the Block Project who hopes to put a backyard cottage on each block in Seattle for people experiencing homelessness.

I am excited to provide an accessible home design and to assist occupants tailor it to theirs needs!



1 AD STUDIO LLC
Val Sporleder
Designer
206.604.1351
val@1ADstudio.com

GENERAL
CONTRACTOR:

SDCI APPROVAL
STAMP

REVISIONS:

Cycle

OWNERS NAME:

PROJECT ADDRESS:
1,000's of lots
in Seattle

SDCI Project No:
1xxxx-CN

PHASE:
1st Submission

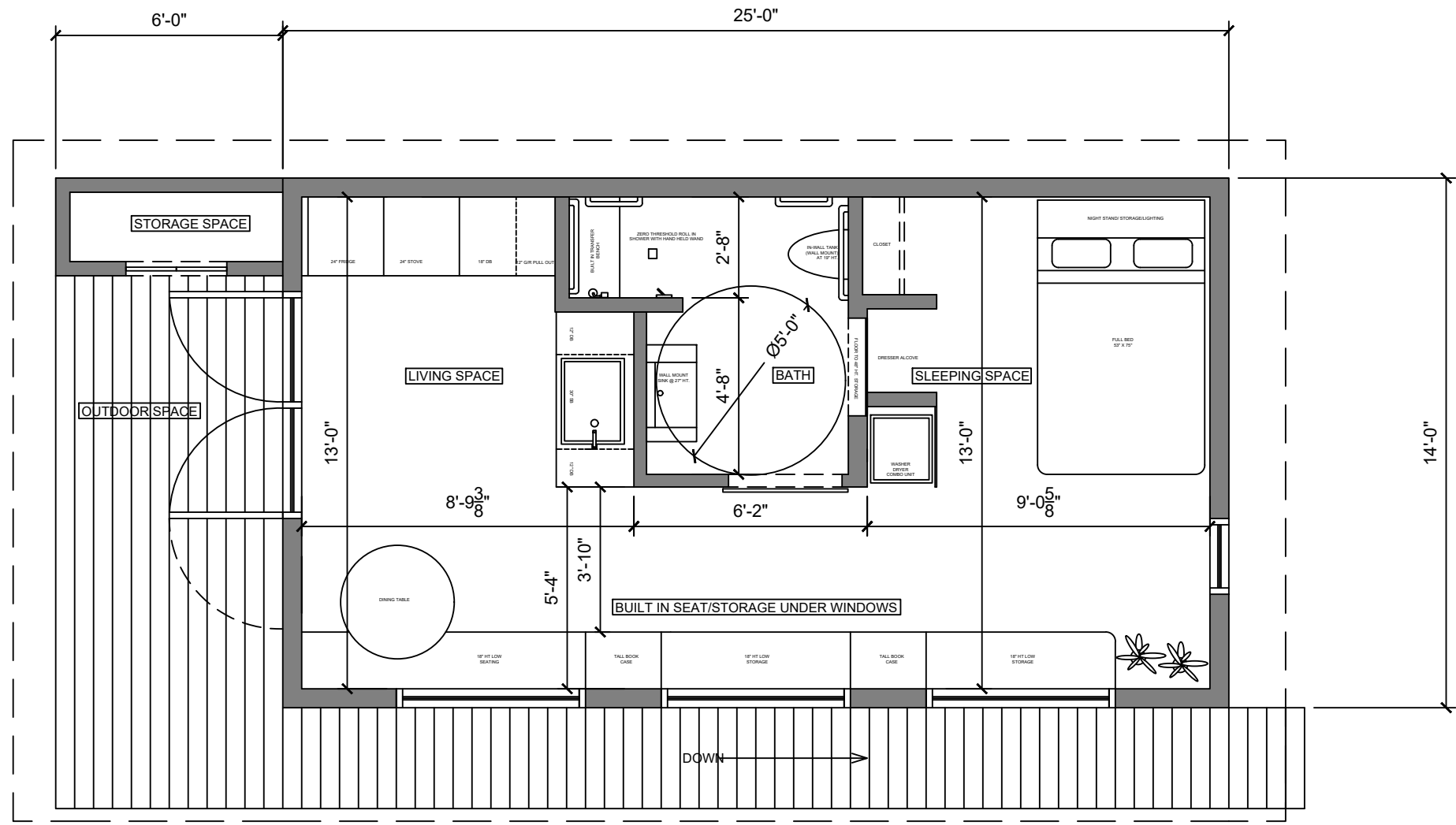
DRAWN BY: vs

SCALE:

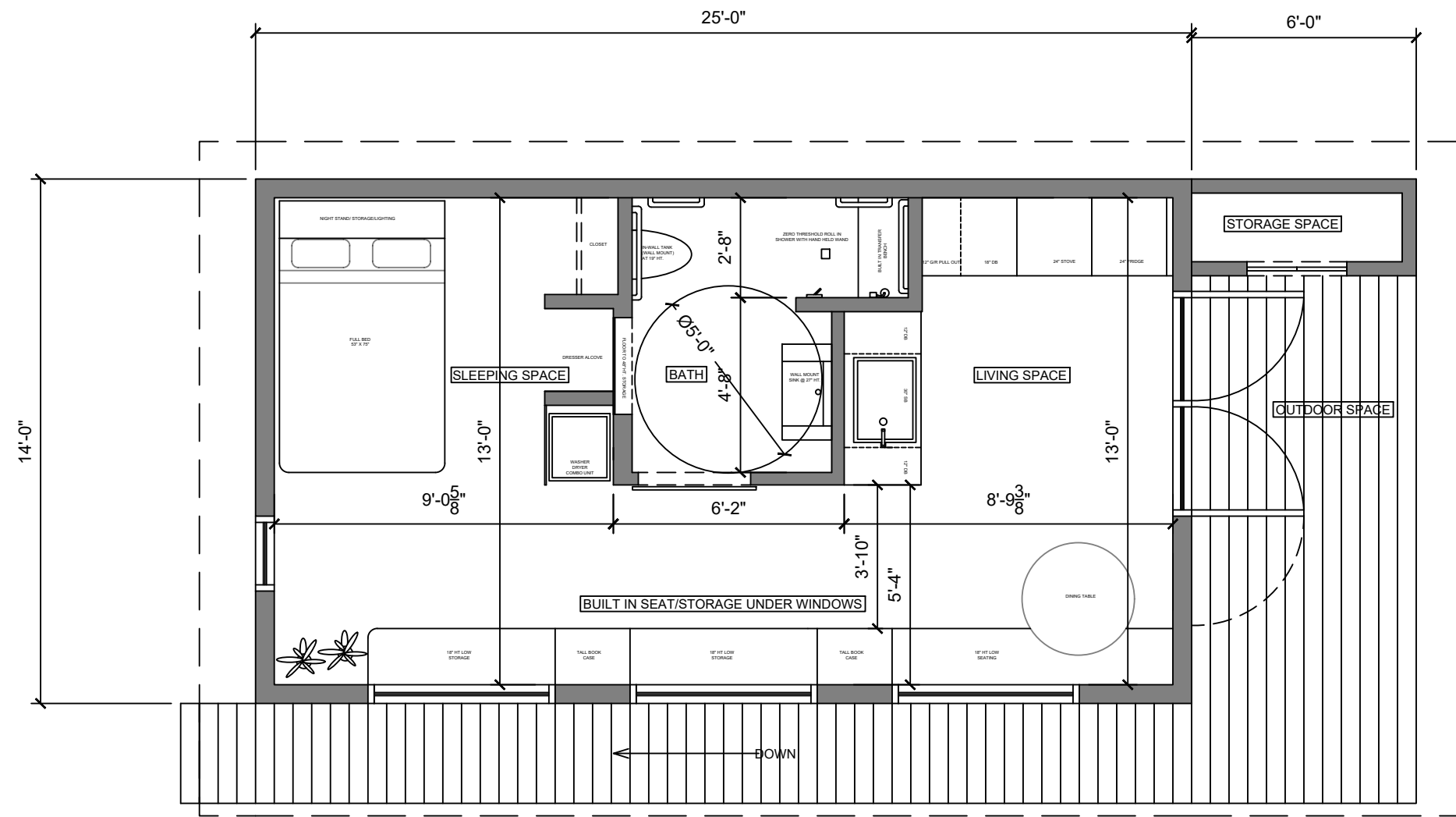
LAST DATE:
01.15.2021

SHEET TILE:
Cover Sheet

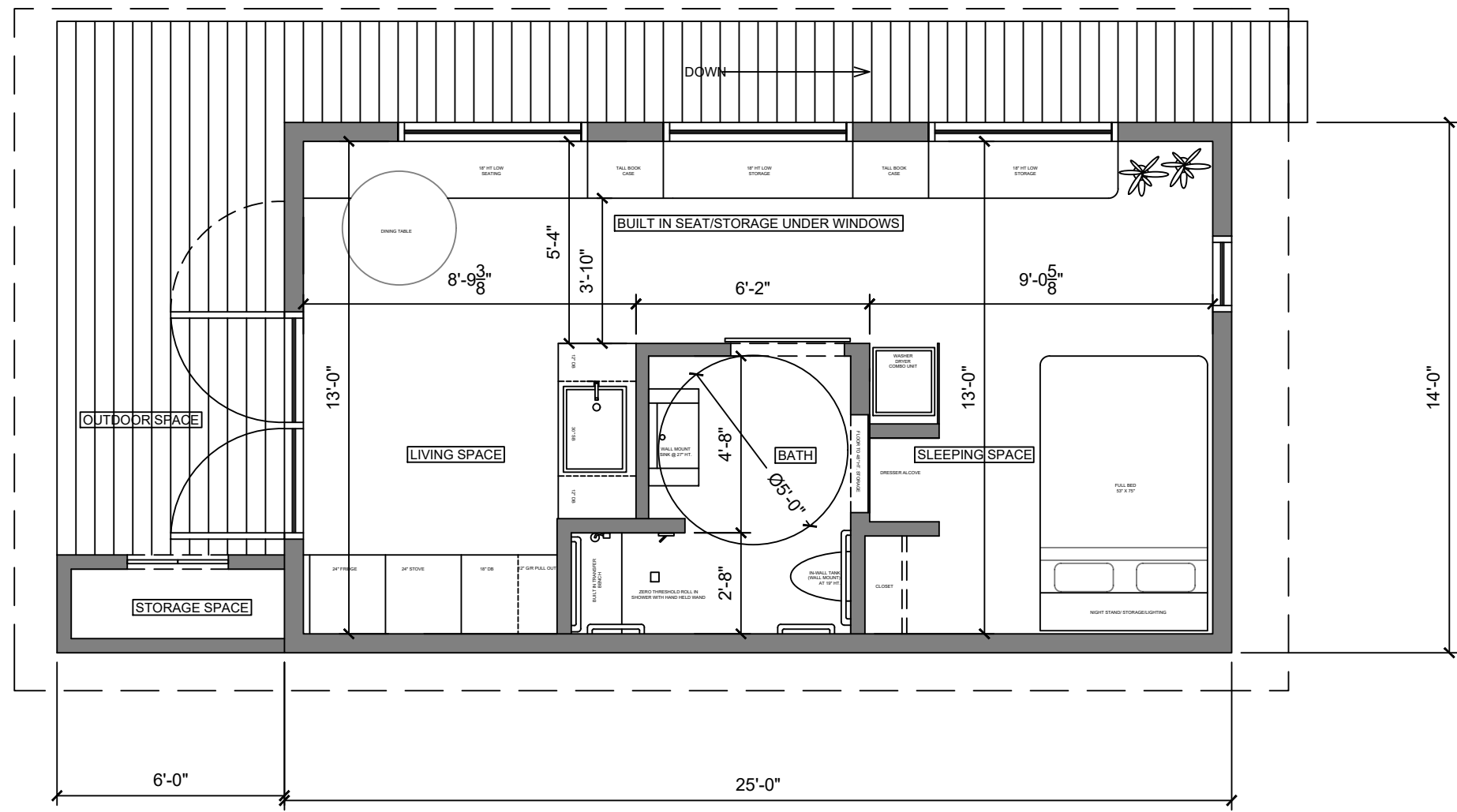
A0.0



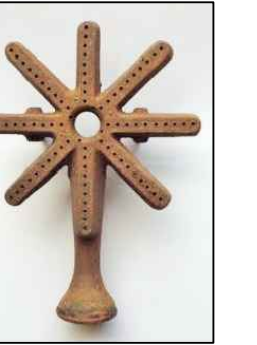
1 FLOOR PLAN - DADU MAIN OPTION 350 SQ. FT
SCALE: 1/4" = 1'-0"



2 FLOOR PLAN - DADU MIRRORED E-W
SCALE: 1/4" = 1'-0"



3 FLOOR PLAN - DADU MIRRORED N-S
SCALE: 1/4" = 1'-0"



1 AD STUDIO LLC
Val Sporleder
Designer
206.604.1351
val@1ADstudio.com

GENERAL
CONTRACTOR:

SDCI APPROVAL
STAMP

REVISIONS:

Cycle

OWNERS NAME:

PROJECT ADDRESS:

SDCI Project No:
1xxxxx-CN

PHASE:
DD

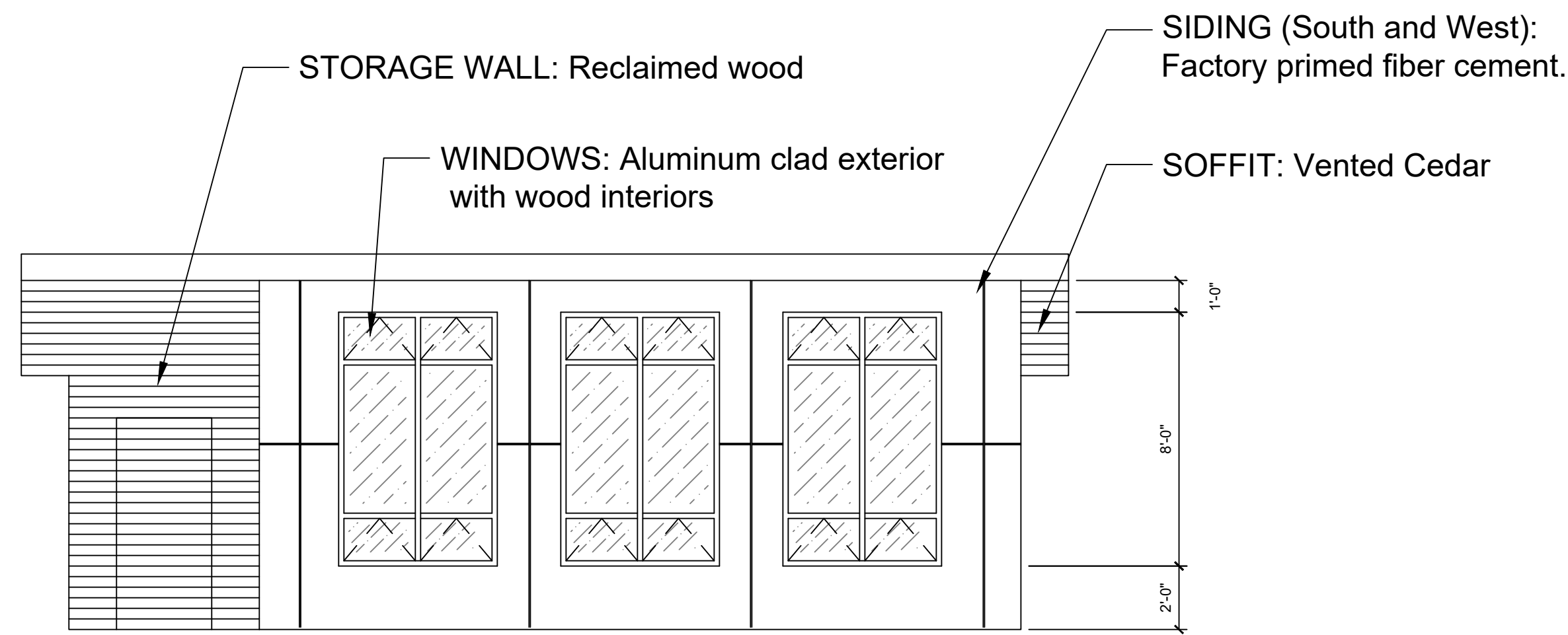
DRAWN BY: vs

SCALE: 1/4"

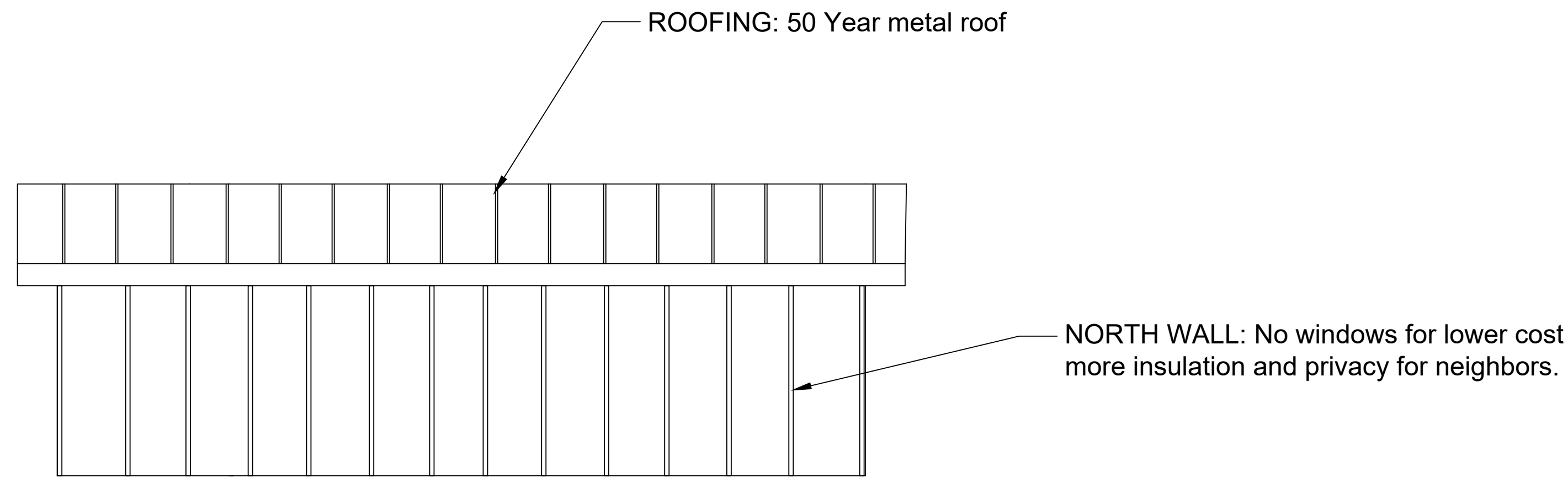
LAST DATE:
01.15.2021

SHEET TILE:
Floor Plans

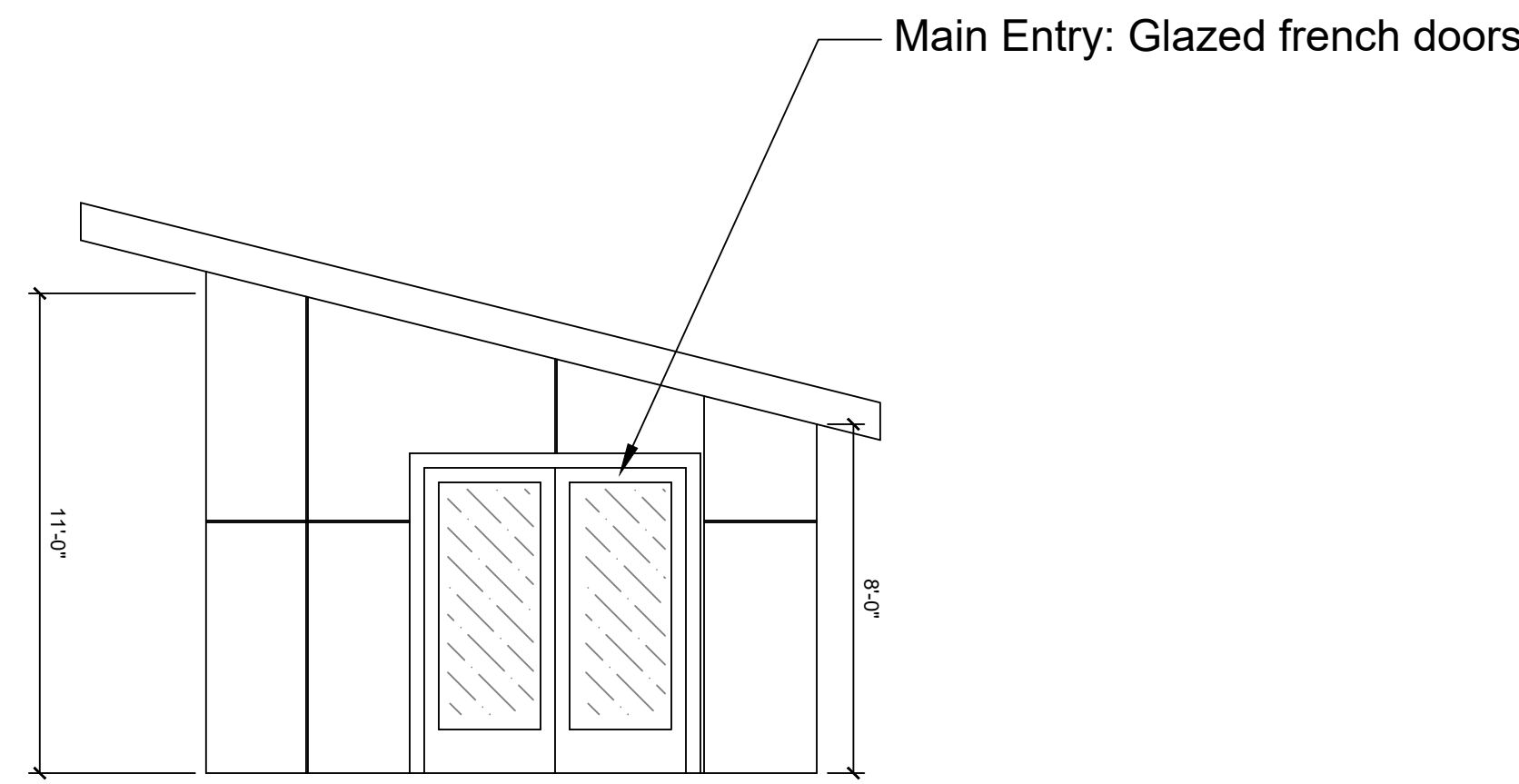
A1.0



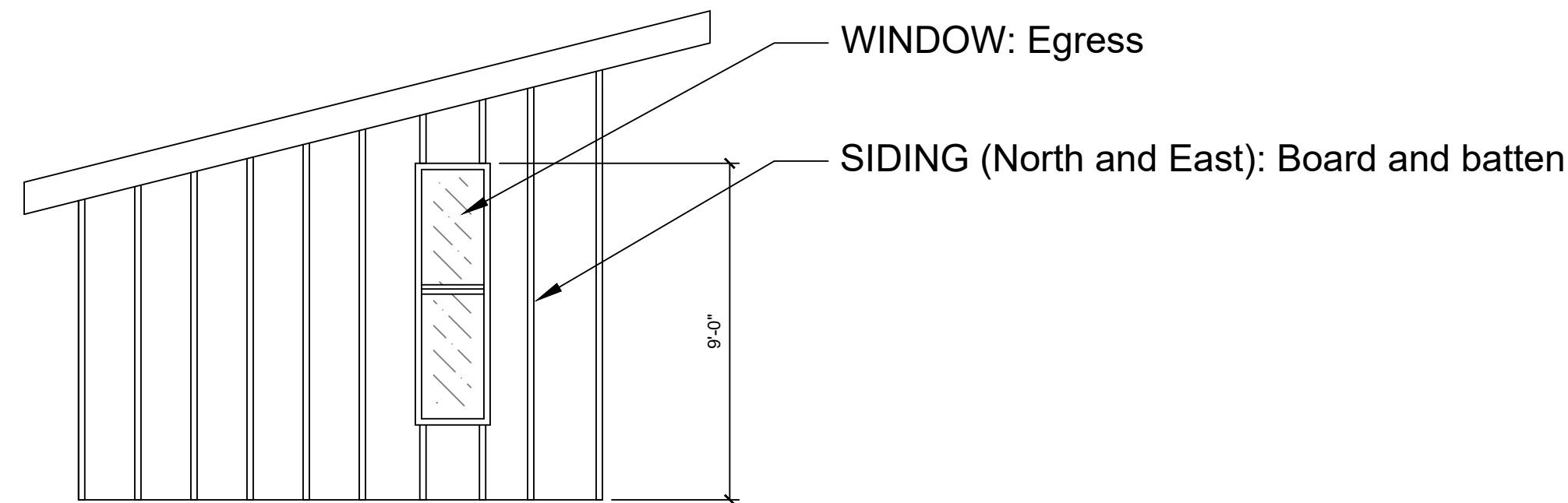
1 FRONT ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



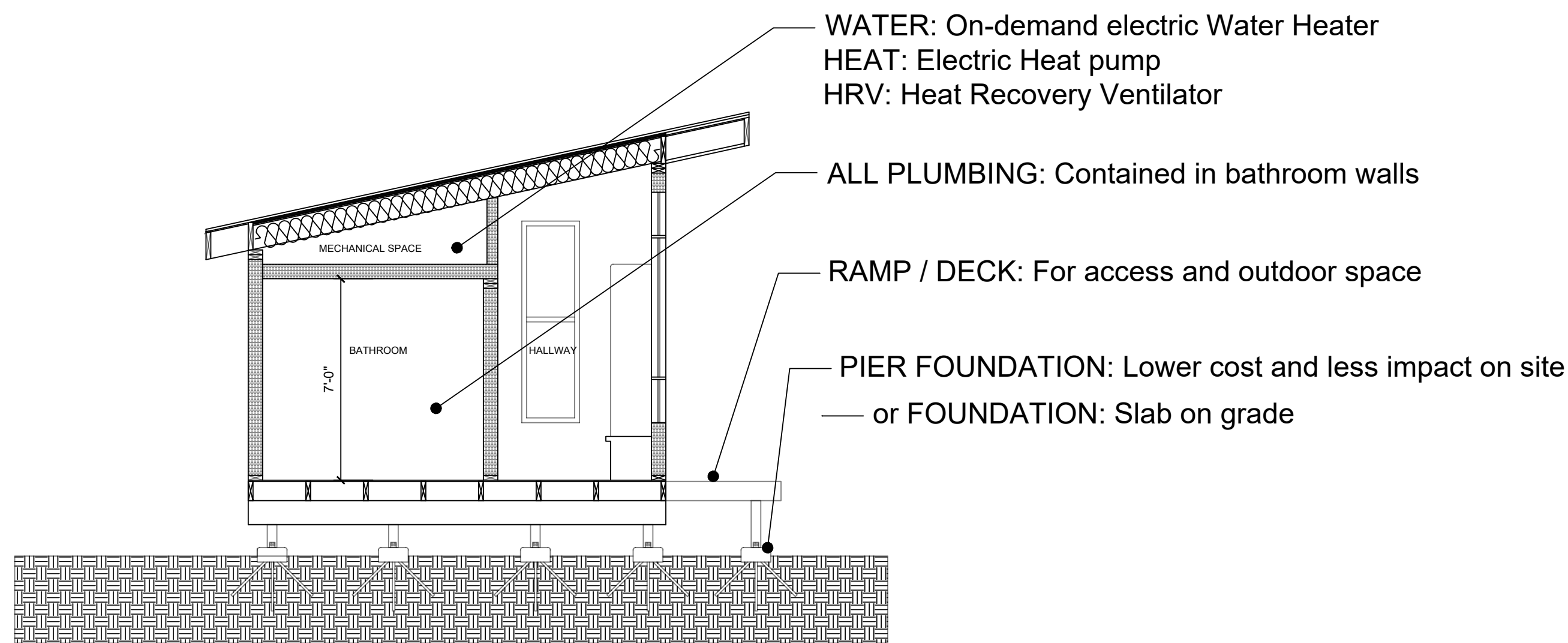
2 BACK ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



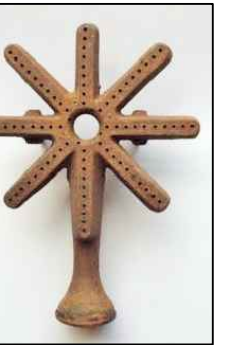
3 SIDE ELEVATION - WEST
SCALE: 1/4" = 1'-0"



4 SIDE ELAVATION - EAST
SCALE: 1/4" = 1'-0"



5 SECTION
SCALE: 1/4" = 1'-0"



1 AD STUDIO LLC
Val Sporleder
Designer
206.604.1351
val@1ADstudio.com

**GENERAL
CONTRACTOR:**

**SDCI APPROVAL
STAMP**

REVISIONS:

Cycle

OWNERS NAME:

PROJECT ADDRESS:

SDCI Project No:
1xxxxx-CN

PHASE:
1st Submission

DRAWN BY: vs

SCALE: 1/4" = 1'-0"

LAST DATE:
01.15.2021

SHEET TILE:
Elevations / Section

A3.0