

TINY REFUGE 001



License: CC BY-NC-SA 4.0 © Open Building Collective
This project is shared as an open source architectural reference. Commercial use is not permitted.
Adaptation required for local codes. Attribution required. Share alike.
Free files at: www.openbuildingcollective.com

Designed by

JULIAN MAGNANI

www.julianmagnani.com

Project

TINY REFUGE 001

Contents

COVER PAGE

Date

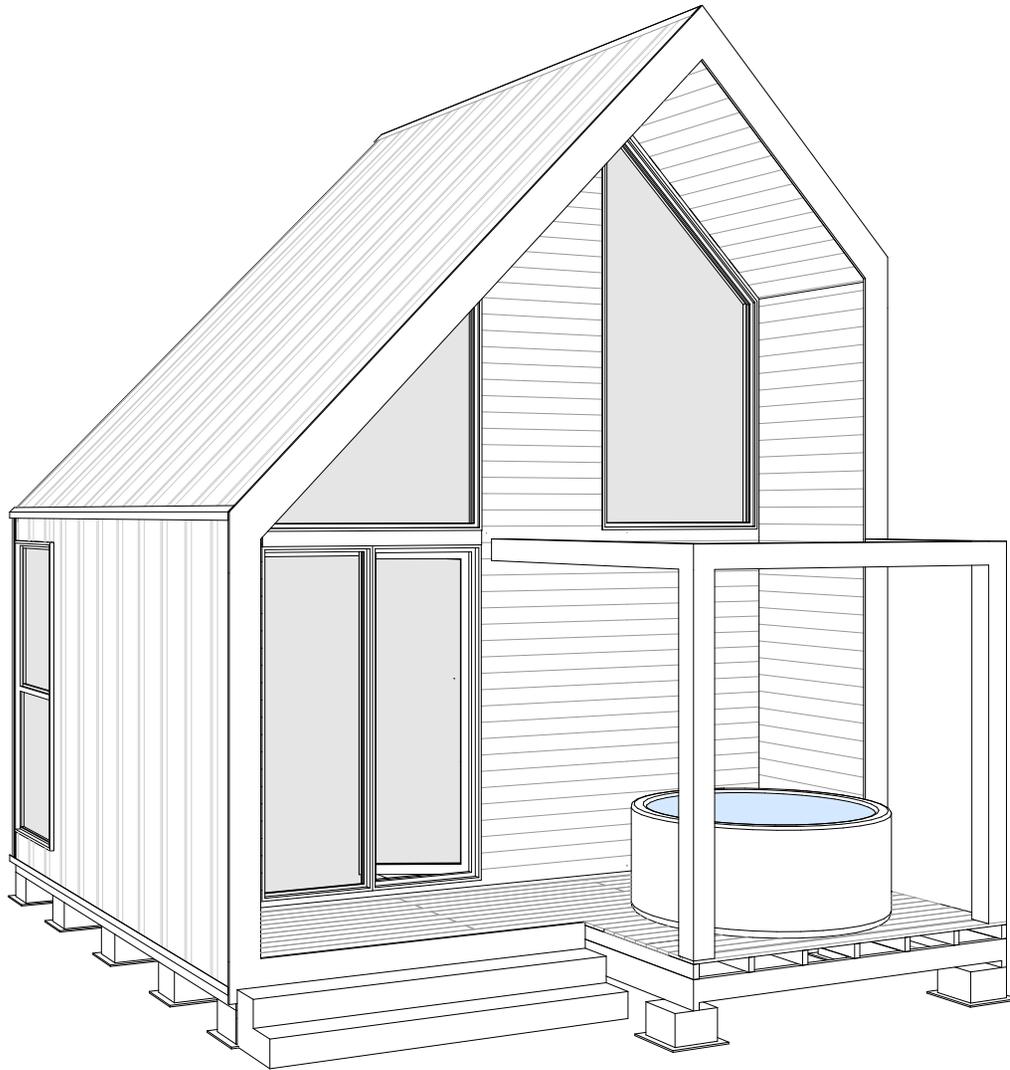
JAN - 2025

Scale

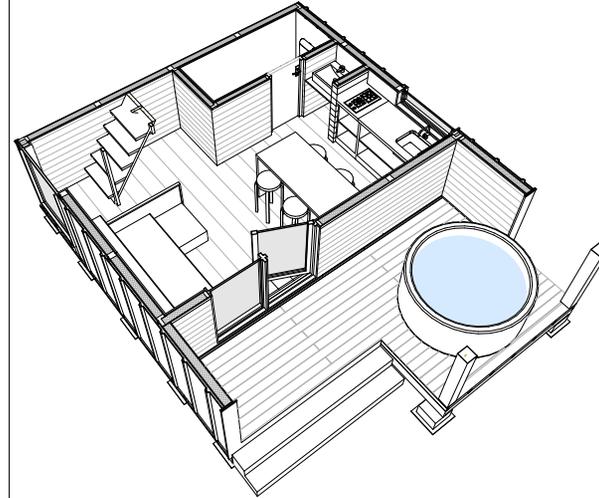
-

A.000

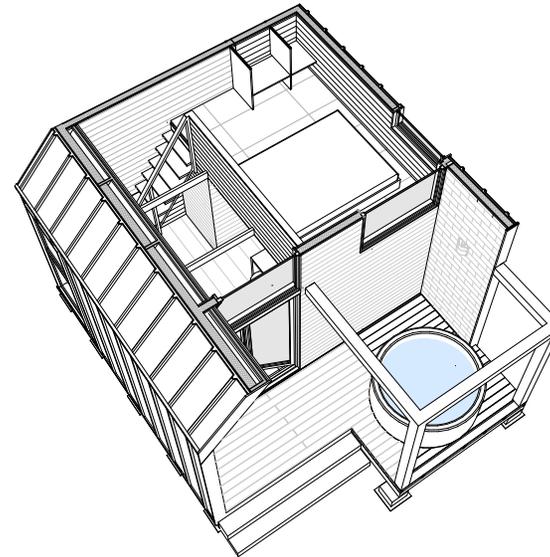
EXTERIOR PERSPECTIVE



1ST FLOOR PERSPECTIVE



2ST FLOOR PERSPECTIVE



SHEET INDEX

- A.000 COVER PAGE
- A.001 GENERAL INFORMATION
- A.101 FOUNDATION PLAN / ROOF PLAN
- A.102 1ST FLOOR PLAN / 2ND FLOOR
- A.201 FRONT & RIGHT ELEVATION
- A.202 REAR & LEFT SIDE ELEVATION
- A.301 SECTIONS
- A.401 3D VIEWS

ARCHITECTURAL CONCEPT

A compact wood frame refuge of 290 sq ft (28 m²) where every structural, material, and spatial decision carries weight. The thermal envelope: wood frame, double-glazed windows, and a well-sealed skin, achieves efficient performance without dependence on complex mechanical systems.

Orientation is treated as a primary design tool: the refuge opens predominantly to maximize solar gain and natural light while controlled openings on remaining facades balance privacy, ventilation, and thermal comfort. Beyond any single site, its structural logic transfers across landscapes mountain, coastal, rural, and urban without losing coherence. A repeatable, open system designed to be understood, adapted, and built again.

IMPORTANT NOTE

These drawings are for reference only and carry no guarantees. They do not constitute a professional service or legal agreement. The user assumes full responsibility for their application, and the authors accept no liability for any damages resulting from their use.

PROJECT INFORMATION

LOCATION
12 EX. AVENUE, NEW WORK, NW 1000

PROJECT DESCRIPTION
SINGLE-FAMILY HOUSE

PROJECT NUMBER
TR-001

FLOOR AREA
1ST FLOOR: CORE: 192 sqft (18 m²)
2ND FLOOR: CORE: 92 sqft (8.5 m²)
TOTAL CORE: 284 sqft (26.5 m²)
FRONT PORCH: 110 sqft (10m²)

CONSTRUCTION TYPE
TYPE V - WOOD FRAME CONSTRUCTION

PARCEL SIZE
RECOMMENDED: AT LEAST
30' x 50' = 1,500 sqft (9m X 15m = 135 m²)



License: CC BY-NC-SA 4.0 © Open Building Collective
This project is shared as an open source architectural reference. Commercial use is not permitted.
Adaptation required for local codes. Attribution required. Share alike.
Free files at: www.openbuildingcollective.com

Designed by

JULIAN MAGNANI

www.julianmagnani.com

Project

TINY REFUGE 001

Contents

GENERAL INFORMATION

Date

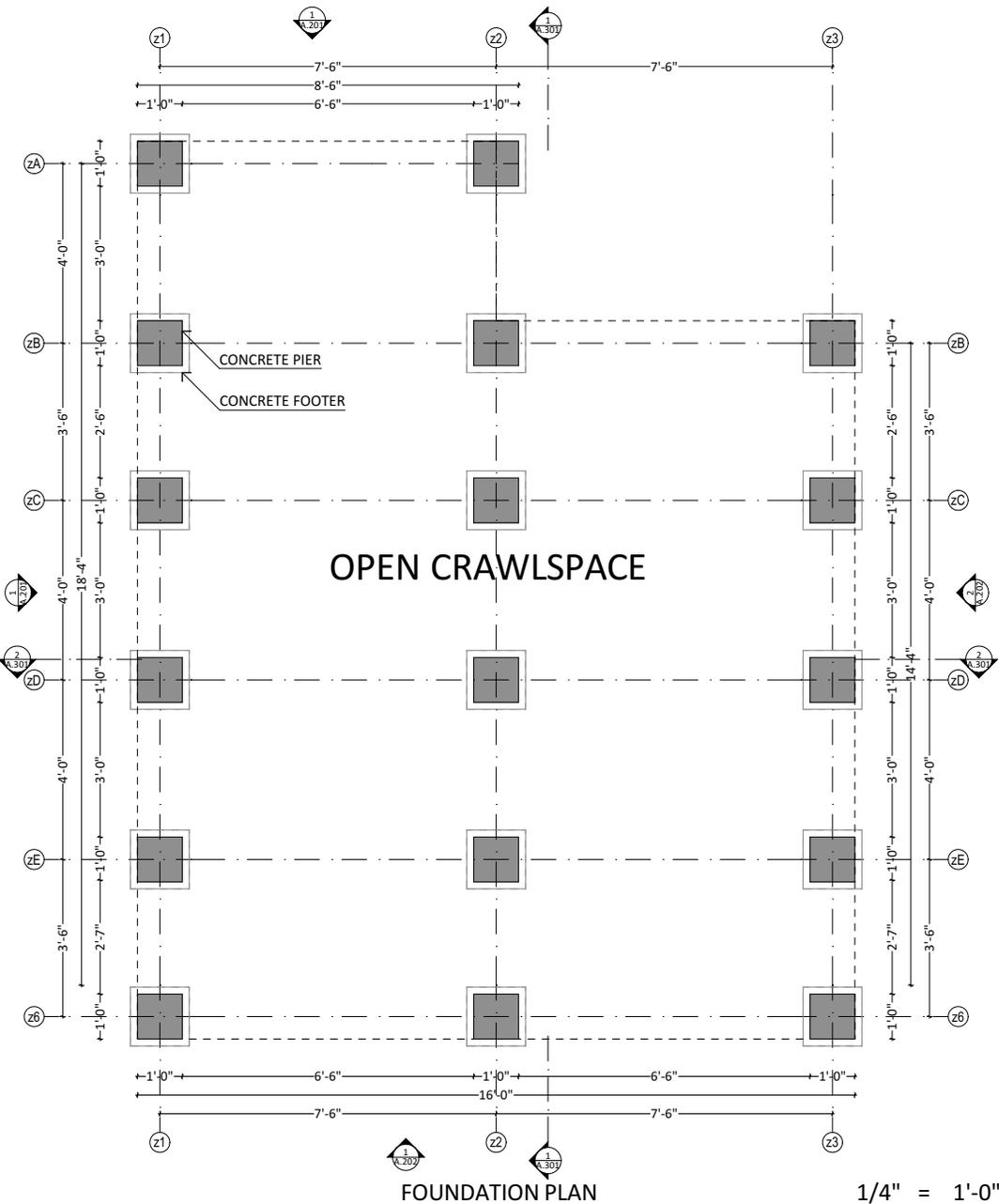
JAN - 2025

Scale

A.001

FOUNDATION PLAN NOTES

Site-specific engineering is required for all foundation work. This document provides general guidance only — final foundation design must account for soil bearing capacity, frost depth, seismic zone, water table, slope, and local building codes. Positive drainage is critical: grade soil away from the foundation at a minimum 5% slope for 6 feet to prevent water accumulation near footings. Structural connections must use anchor bolts or straps at code-required spacing to transfer lateral and uplift loads. Regarding materials, foundations may be built with poured concrete, concrete block, rammed earth, natural stone, or engineered brick — all alternatives must provide equivalent structural performance and moisture resistance.

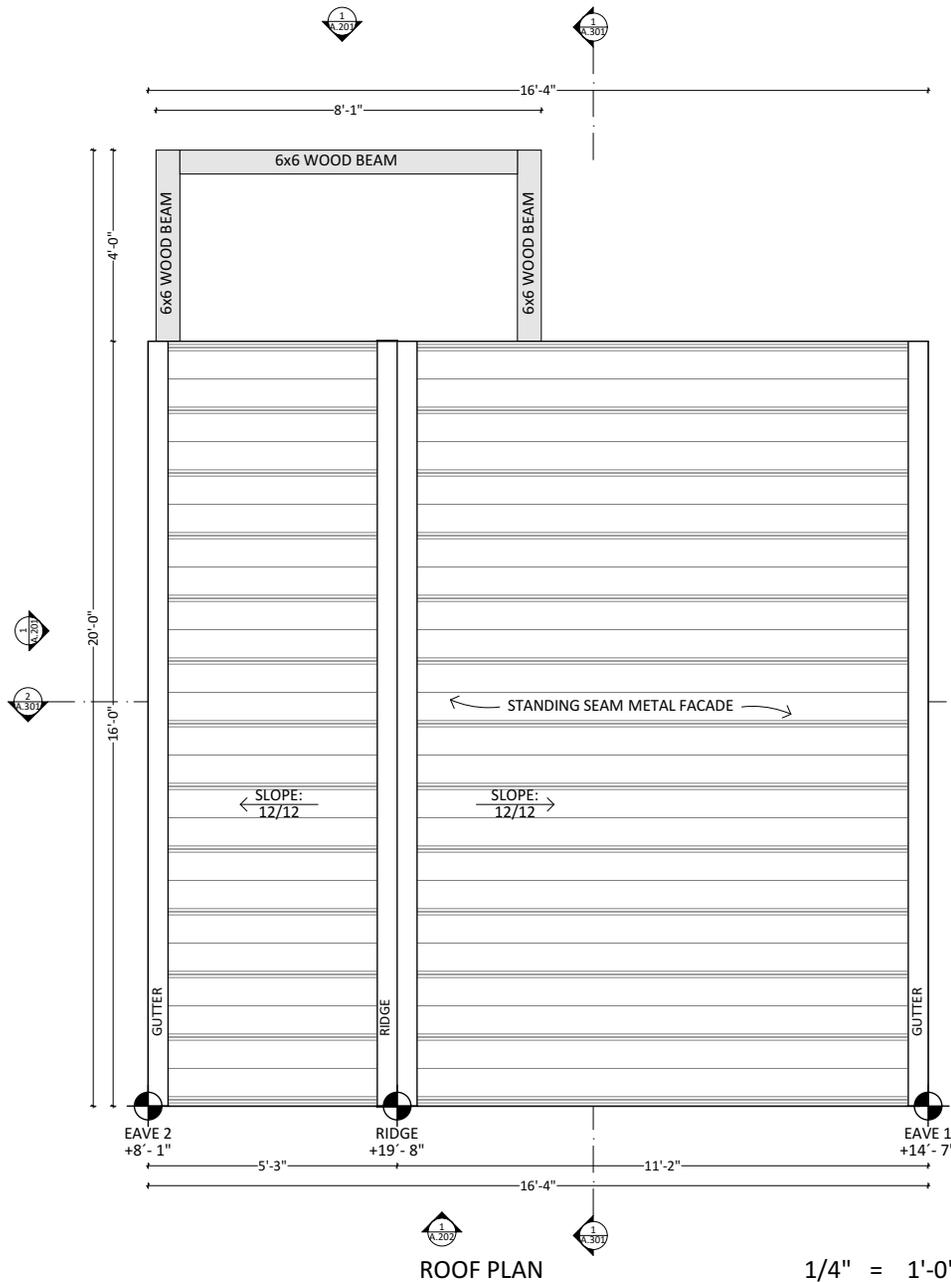


FOUNDATION PLAN

1/4" = 1'-0"

ROOF PLAN NOTES

All datums are to the finish floor of the main level. House heights can be measured in a variety of ways; this design is intended to comply with most standard 25-foot building height limits. To reduce roofing costs, standing seam metal may be replaced with 5V metal panels as a budget-friendly alternative. Roof dimensions shown on the plan are approximate and not precise enough for construction; dimensions indicated in building sections and floor plans take precedence.



ROOF PLAN

1/4" = 1'-0"



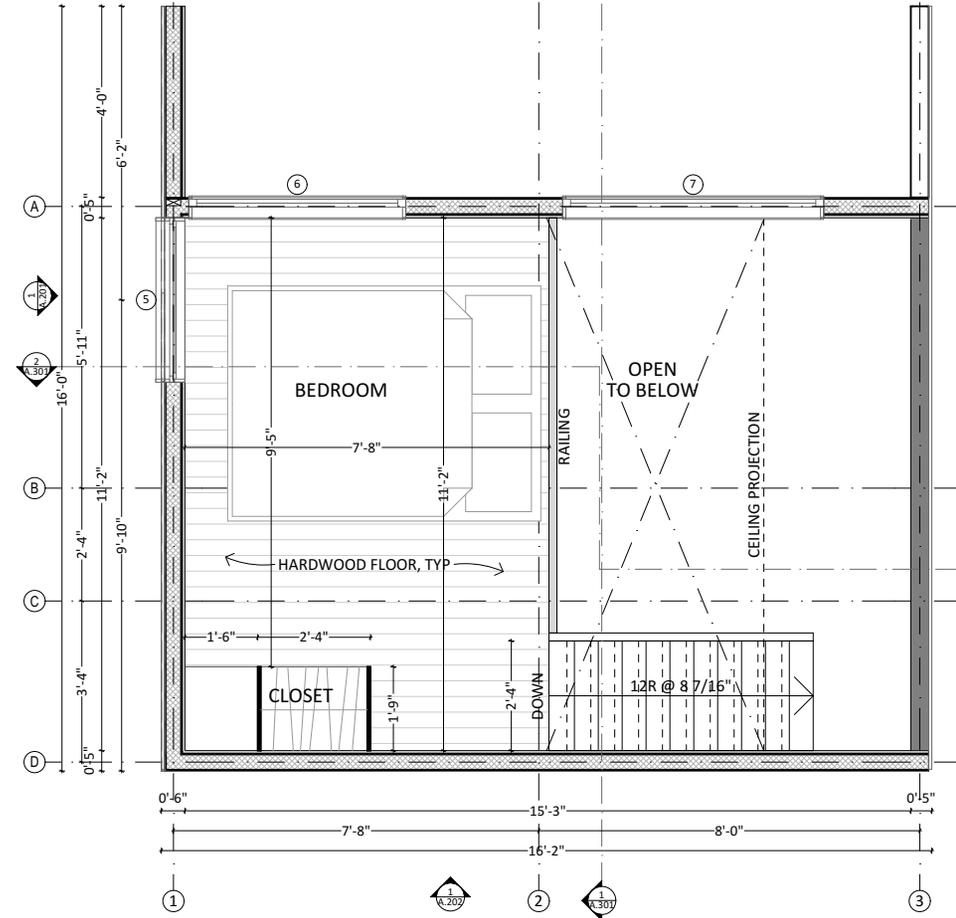
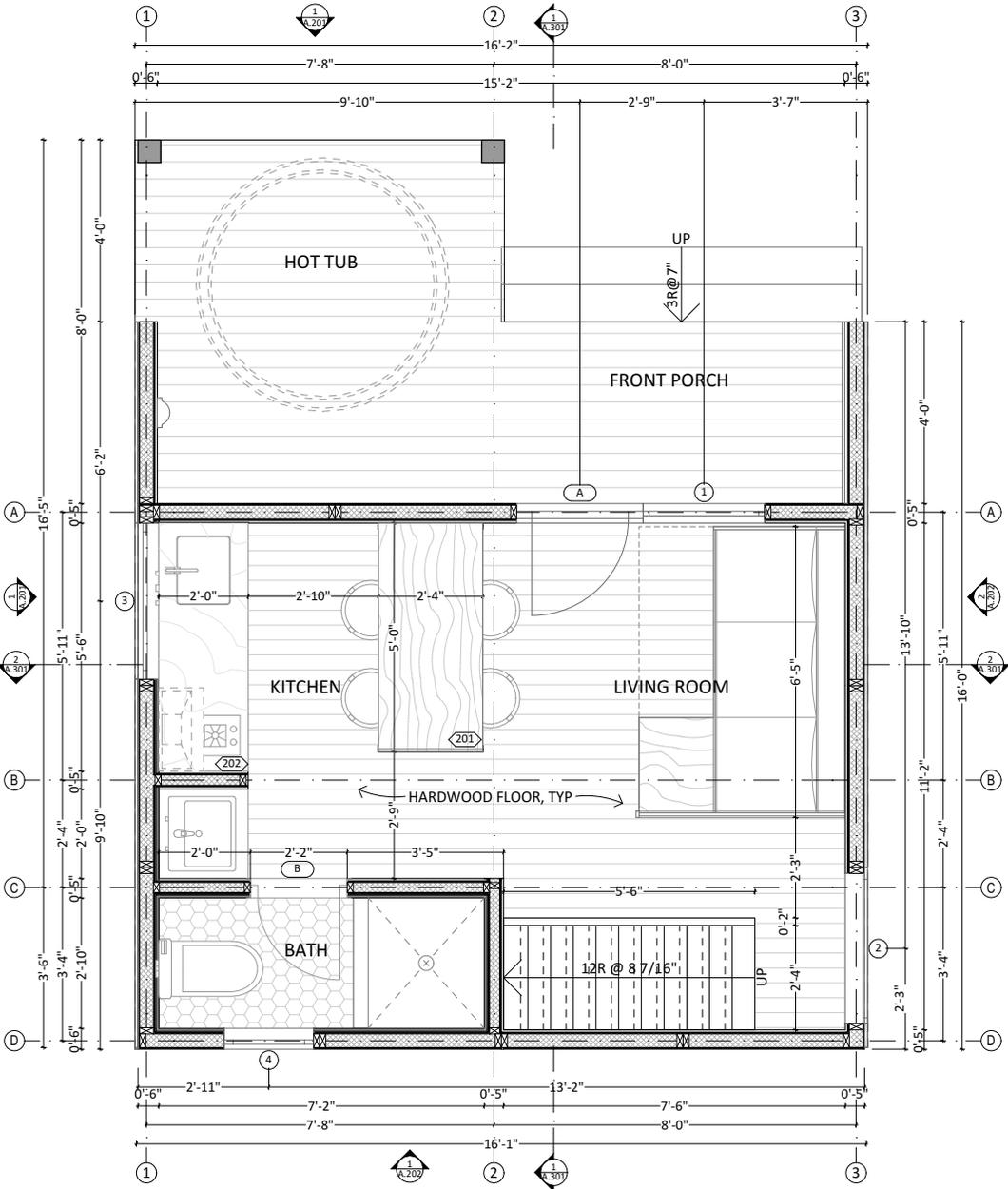
License: CC BY-NC-SA 4.0 © Open Building Collective
 This project is shared as an open source architectural reference. Commercial use is not permitted.
 Adaptation required for local codes. Attribution required. Share alike.
 Free files at: www.openbuildingcollective.com

Designed by
JULIAN MAGNANI
www.julianmagnani.com

Project
 TINY REFUGE 001
 Contents
 FOUNDATION PLAN - ROOF PLAN

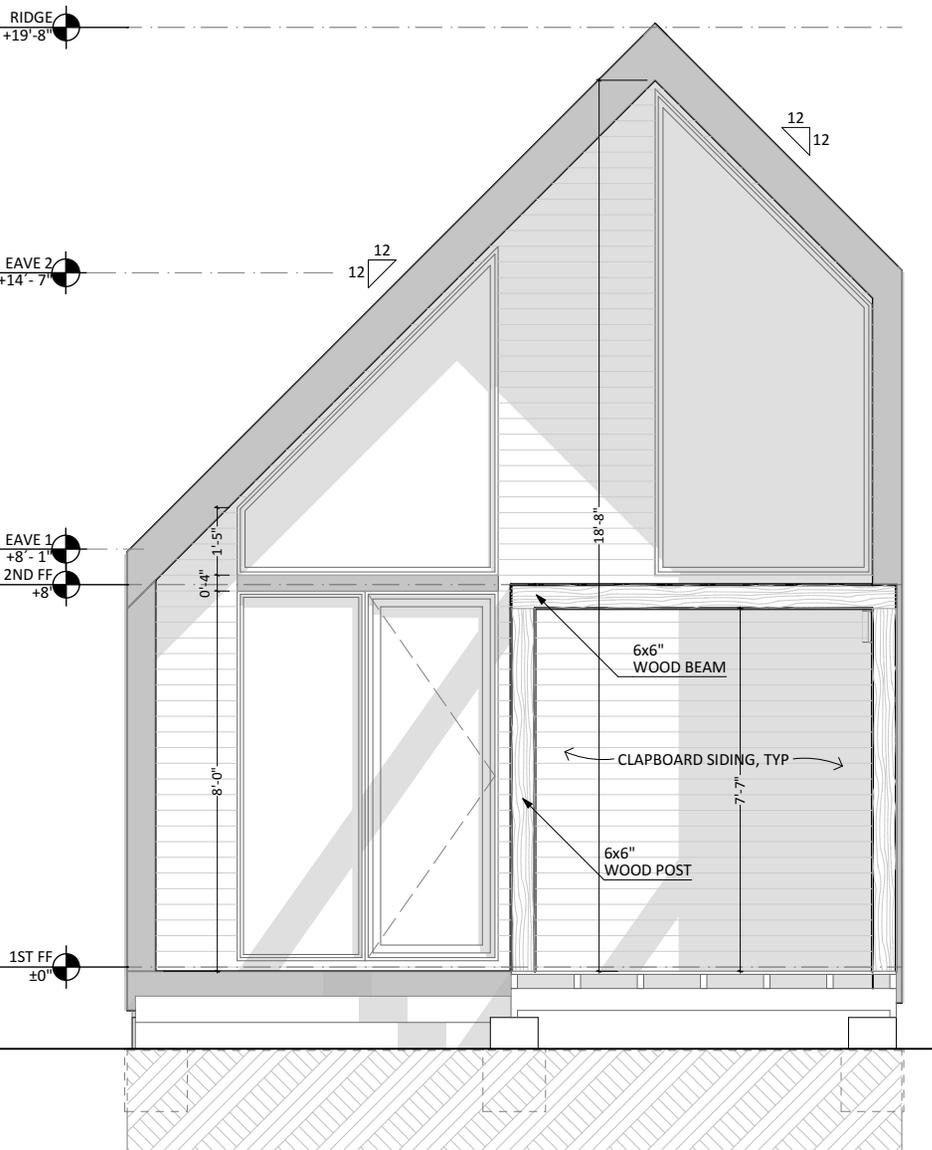
Date
 JAN - 2025
 Scale
 1/4" = 1'-0"

DOORS	NOTES	ABBREVIATIONS	LEYEND
(A) 3'-0" x 7'-0" LITE FRONT DOOR	LOW-IMPACT STRATEGIES - Small footprint minimizes site disturbance. - Natural ventilation through operable windows. - Modular design allows future expansion. - Local material sourcing recommended.	~ APPROXIMATELY	ELEVATION MARKER
(B) 2'-0" x 6'-8" PANEL DOOR		AC AIR CONDITIONING	SECTION MARKER
WINDOWS		B.O. BOTTOM OF	INTERIOR ELEVATION
① 32x92 FX	REGULATORY NOTES - This is a conceptual design reference, NOT verified against any specific building code. - Must be reviewed and adapted by licensed professional for local codes. - User is responsible for code compliance in their jurisdiction.	BD BOARD	DETAIL MARKER
② 40x92 DH TOP SASH AWNING		CLG CEILING	COMPASS (TRUE N)
③ 42x22 SINGLE AWNING		C.O. CASED OPENING	DATUM MARKER
④ 24x24 SINGLE AWNING		(E) EXISTING	(A) DOOR MARKER
⑤ 42x48 SINGLE AWNING		EL ELEVATION	① WINDOW MARKER
⑥ 54x122 FX TRAPEZOID		EQ EQUAL	FURNITURE MARKER
⑦ 66x82 FX TRAPEZOID		GALV GALVANIZED	
	IN INCH(ES)		
	KG KILOGRAMS		
	O.C. ON CENTER		
	RCP REFRIGERATOR		
	REF REFRIGERATOR		
	SYM SYMMETRICAL		
	T.O. TOP OF		
	TYP TYPICAL		
	U.O.N. UNLESS OTHERWISE		



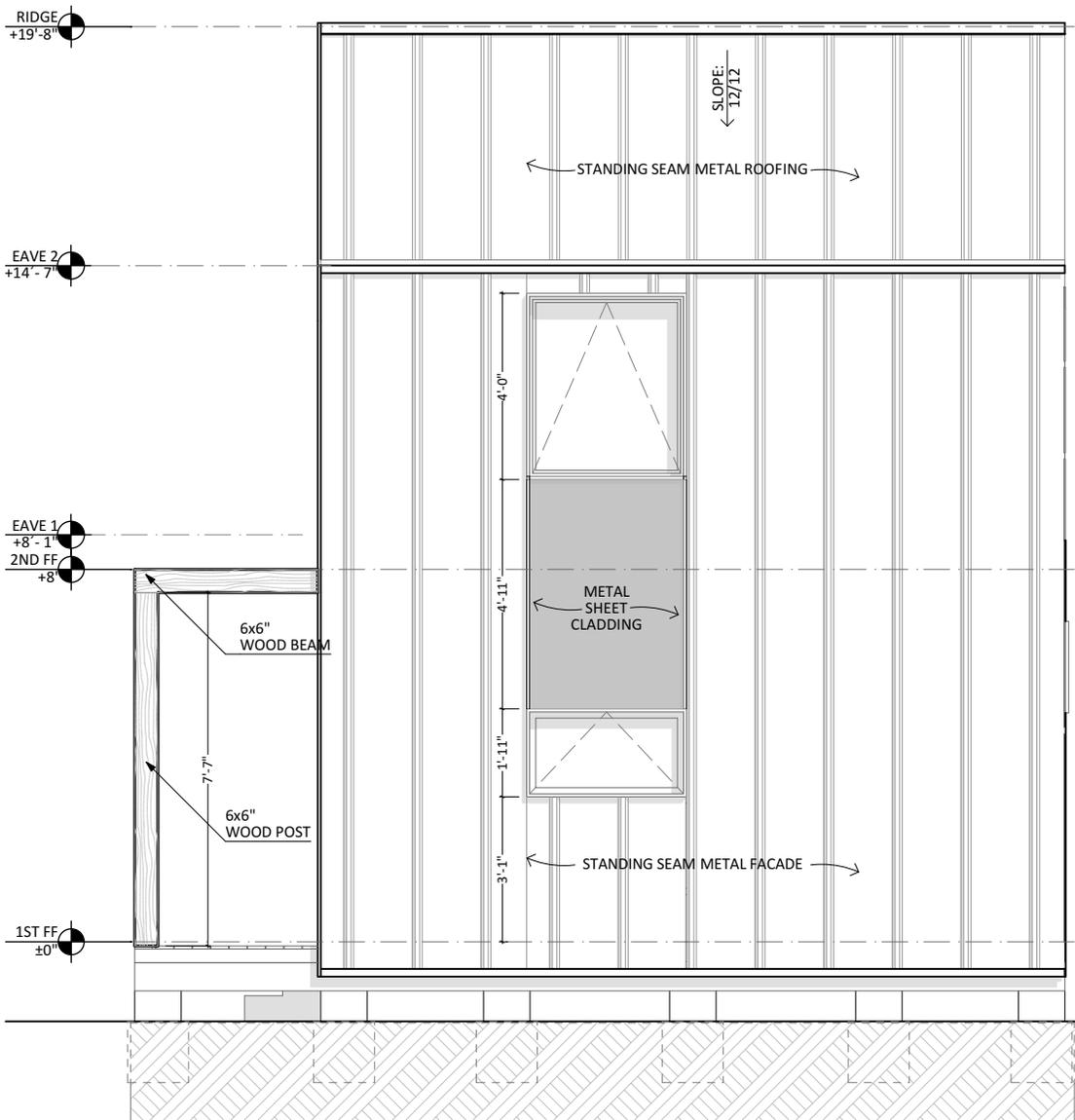
ELEVATION NOTES

All datums are to finish floor, meaning all vertical dimensions are measured from the finished floor elevation. This design is conceived to work within a standard 20-foot building height limit. For siding, fiber cement clapboard (4-6") is the preferred choice, with wood, shingles, or board & batten as acceptable alternatives. Windows should be double-hung with 2/2 divided lites, and fixed windows are also included where appropriate to the overall composition and daylighting strategy. Doors and windows alike are best detailed with solid wood or fiber cement trim: 1x4 at the jambs, 2x6 at the head, and a 3" sill. Roofing should be standing seam metal (16" panels); budget alternatives include 5V Galvalume or round corrugated steel. At the foundation, avoid faux-brick concrete molds. Railings are shown at 30" with a 6" extension to meet the minimum 3-foot requirement where falls exceed 30"; where possible, keep lower decking close to grade to avoid railing heights that feel restrictive or visually heavy.



SOUTH ELEVATION (FRONT)

1/4" = 1'-0"



WEST ELEVATION

1/4" = 1'-0"



License: CC BY-NC-SA 4.0 © Open Building Collective
 This project is shared as an open source architectural reference. Commercial use is not permitted.
 Adaptation required for local codes. Attribution required. Share alike.
 Free files at: www.openbuildingcollective.com

Designed by

JULIAN MAGNANI

www.julianmagnani.com

Project

TINY REFUGE 001

Contents

SOUTH ELEVATION (FRONT) -
 WEST ELEVATION

Date

JAN - 2025

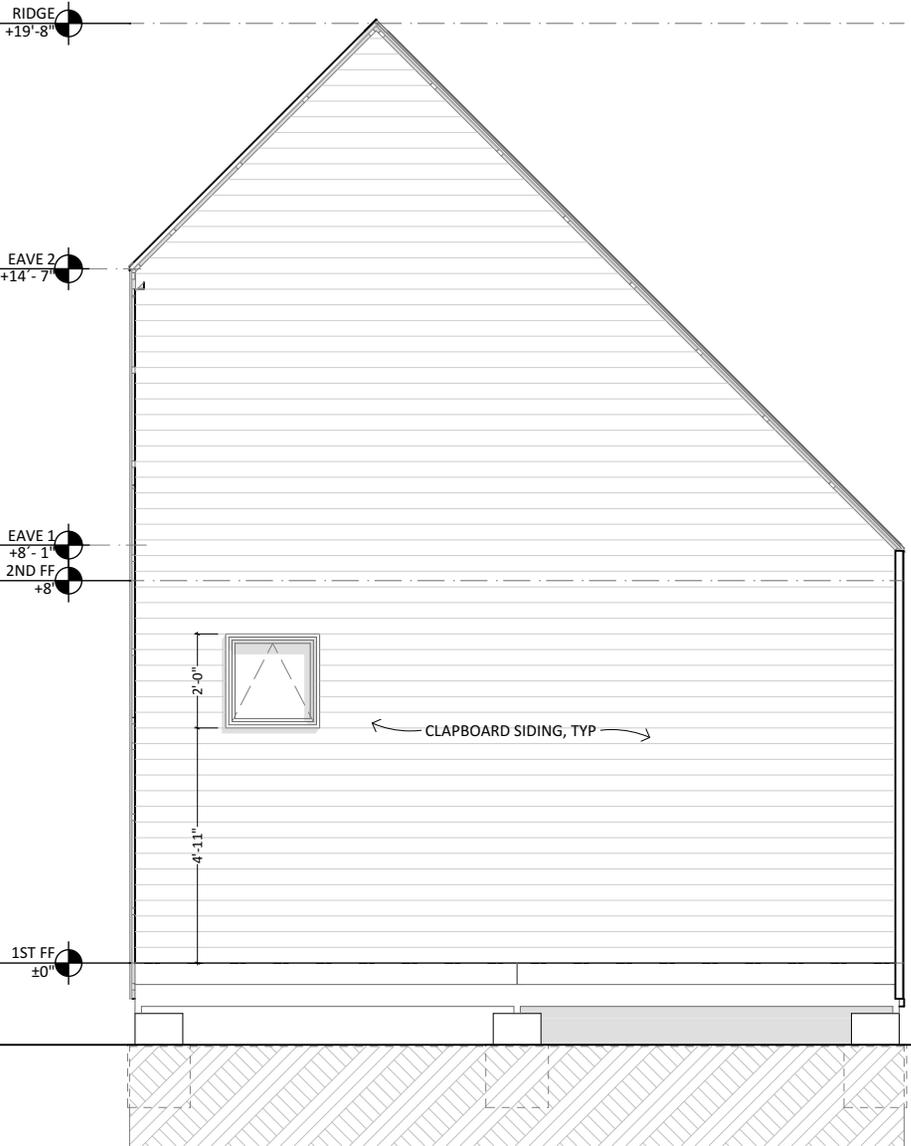
Scale

1/4" = 1'-0"

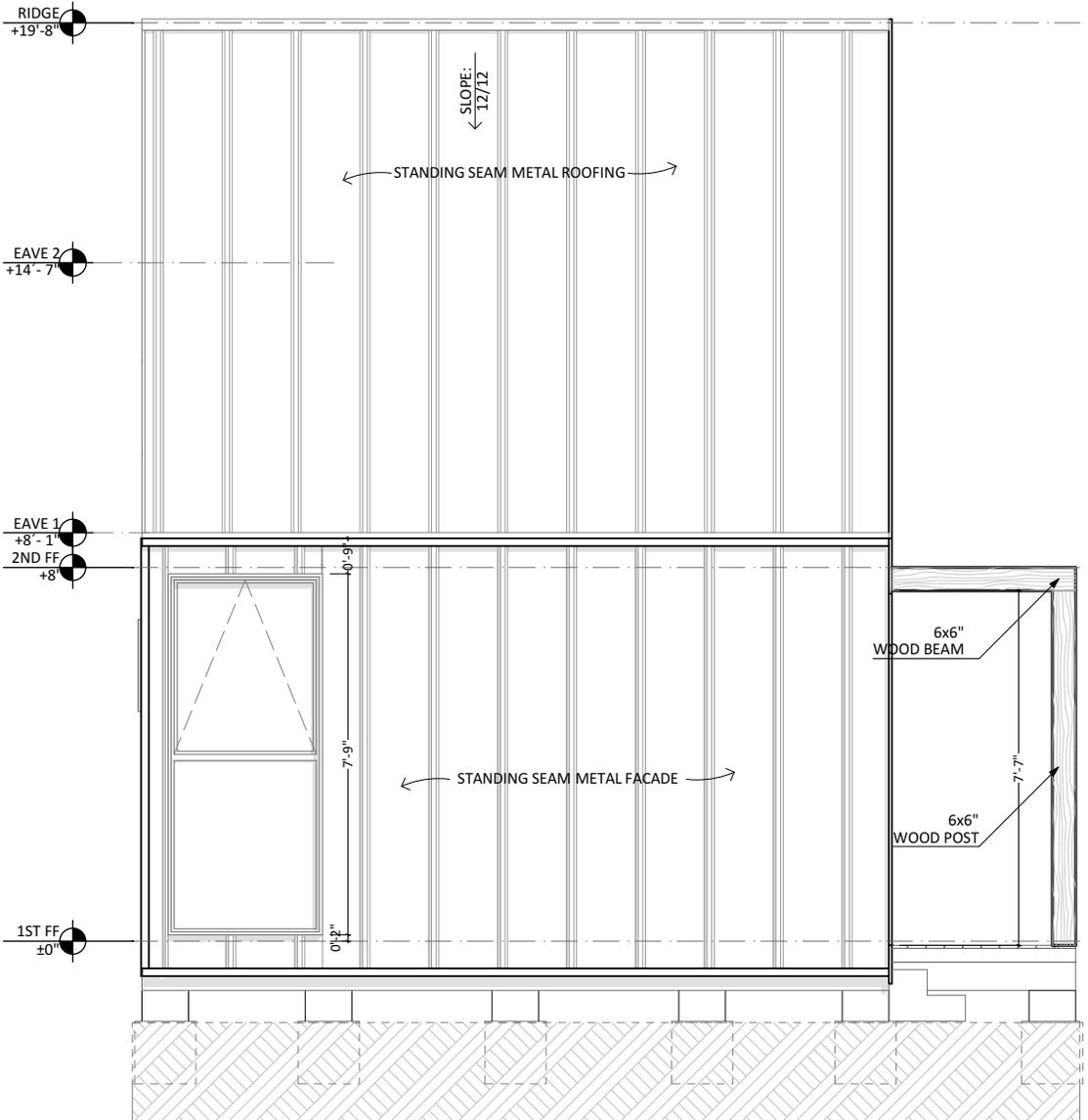
A.201

ELEVATION NOTES

All datums are to finish floor, meaning all vertical dimensions are measured from the finished floor elevation. This design is conceived to work within a standard 20-foot building height limit. For siding, fiber cement clapboard (4-6") is the preferred choice, with wood, shingles, or board & batten as acceptable alternatives. Windows should be double-hung with 2/2 divided lites, and fixed windows are also included where appropriate to the overall composition and daylighting strategy. Doors and windows alike are best detailed with solid wood or fiber cement trim: 1x4 at the jambs, 2x6 at the head, and a 3" sill. Roofing should be standing seam metal (16" panels); budget alternatives include 5V Galvalume or round corrugated steel. At the foundation, avoid faux-brick concrete molds. Railings are shown at 30" with a 6" extension to meet the minimum 3-foot requirement where falls exceed 30"; where possible, keep lower decking close to grade to avoid railing heights that feel restrictive or visually heavy.



NORTH ELEVATION (REAR) 1/4" = 1'-0"



EAST ELEVATION 1/4" = 1'-0"



License: CC BY-NC-SA 4.0 © Open Building Collective
 This project is shared as an open source architectural reference. Commercial use is not permitted.
 Adaptation required for local codes. Attribution required. Share alike.
 Free files at: www.openbuildingcollective.com

Designed by
JULIAN MAGNANI

www.julianmagnani.com

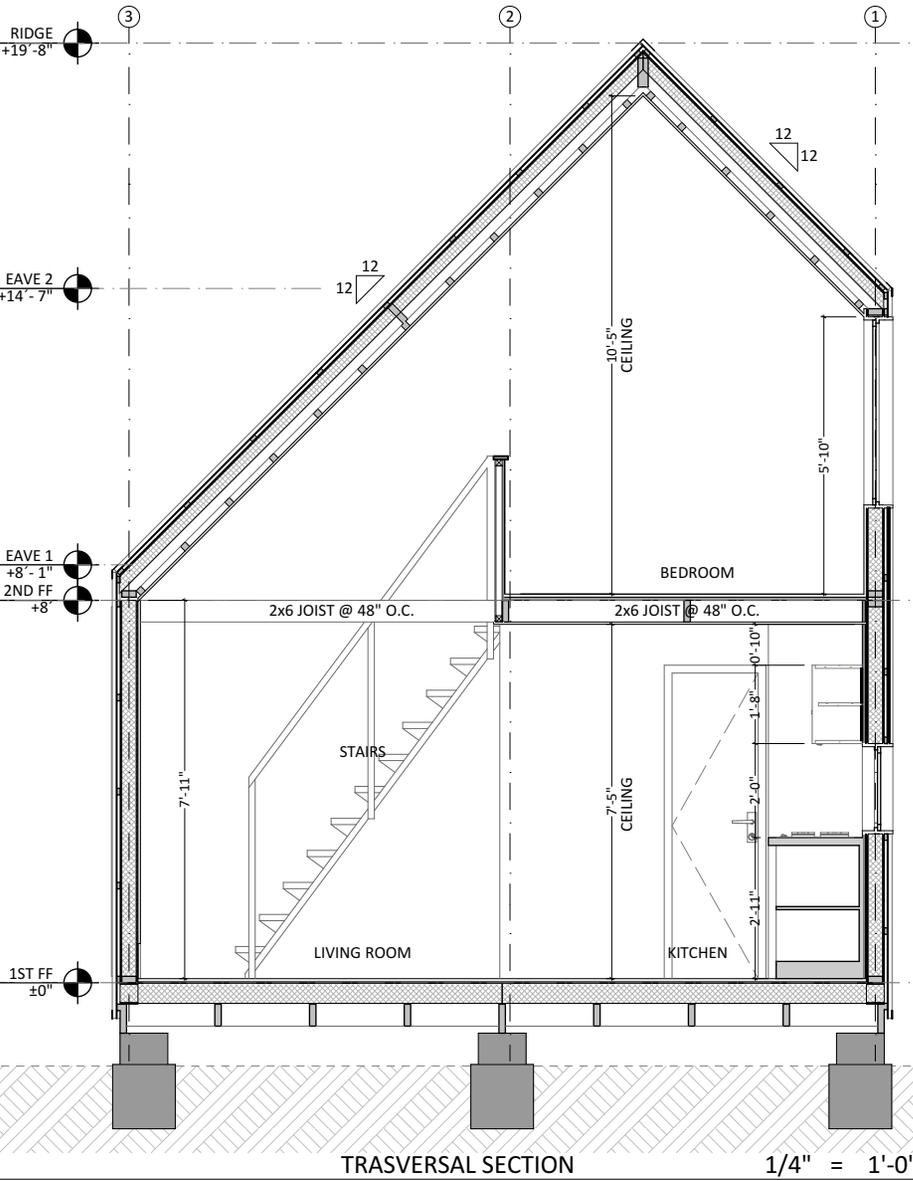
Project
 TINY REFUGE 001
 Contents
 NORTH ELEVATION (REAR) -
 EAST ELEVATION

Date
 JAN - 2025

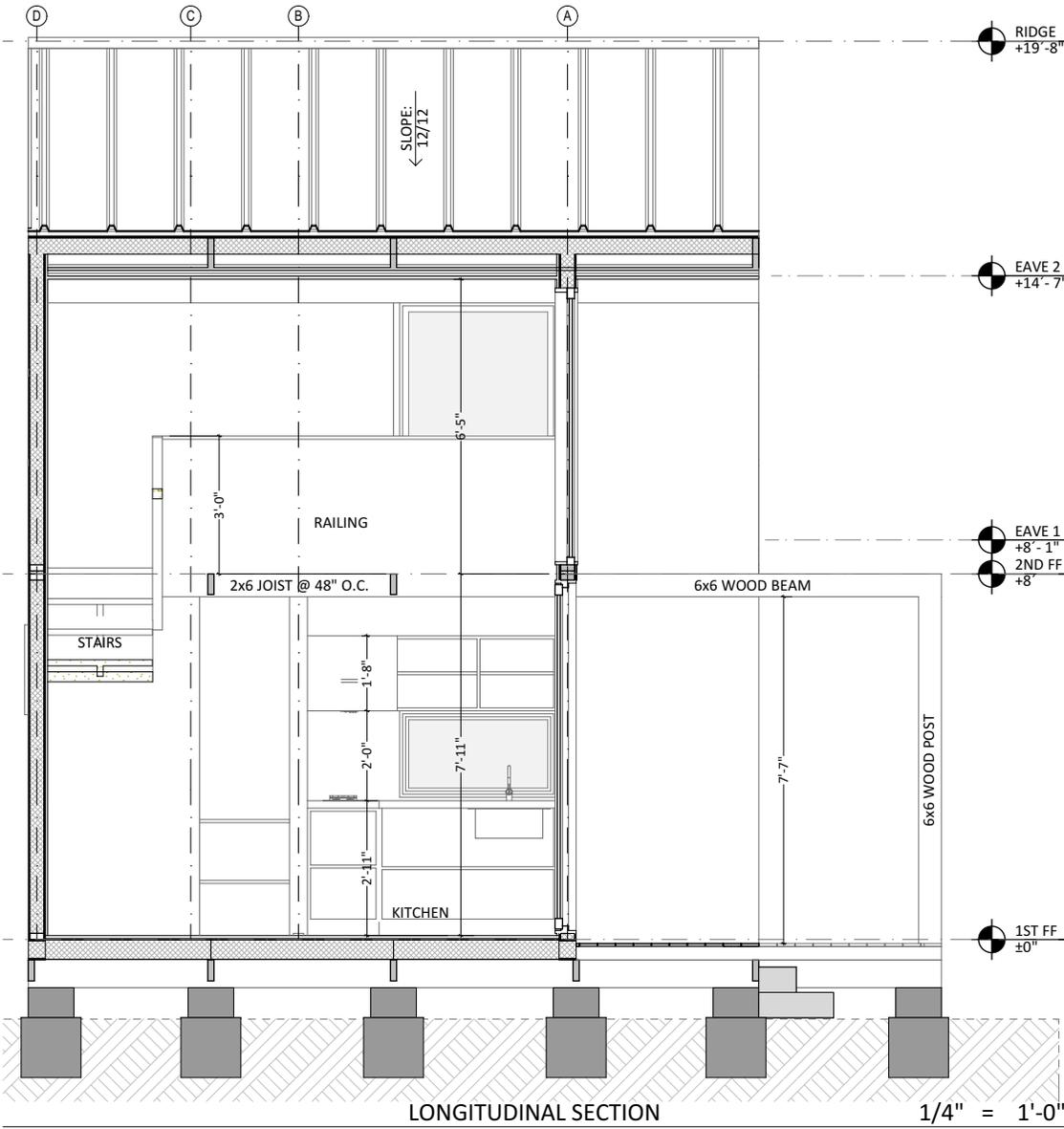
Scale
 1/4" = 1'-0"

A.202

SECTION NOTES
 Ceiling heights are approximate (+/- 1"). The foundation is to be engineered based on site-specific requirements and soil conditions, taking into account factors such as bearing capacity, drainage, and long-term stability. Stairs have strict dimensional and safety requirements; it is essential to consult the applicable building code to ensure compliance with all local standards, including tread depth, riser height, landings, and handrails. A minimum head clearance of 80" must be maintained along the entire staircase for safety and comfort. The railing at the upper porch includes strategic extensions to preserve seated sightlines while enhancing the sense of openness and safety in the space.



TRASVERSAL SECTION 1/4" = 1'-0"



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



License: CC BY-NC-SA 4.0 © Open Building Collective
 This project is shared as an open source architectural reference. Commercial use is not permitted.
 Adaptation required for local codes. Attribution required. Share alike.
 Free files at: www.openbuildingcollective.com

Designed by
JULIAN MAGNANI
www.julianmagnani.com

Project
 TINY REFUGE 001
 Contents
 TRASVERSAL SECTION
 LONGITUDINAL SECTION

Date
 JAN - 2025
 Scale
 1/4" = 1'-0"

A.301

NOTE

All 3D images included in this document are for reference purposes only and do not represent final construction details, finishes, or specifications. They are intended to communicate design intent, capturing the overall massing, proportions, material character, and spatial relationships of the project, but should not be interpreted as literal representations of the finished building. Materials, colors, textures, landscaping, furniture, and surrounding context depicted are illustrative and subject to change. Site conditions, local availability of materials, and budget considerations may influence final design decisions. For accurate dimensions, construction details, and technical specifications, always refer to the official construction documents. Any discrepancies between the 3D images and the drawings shall be resolved in favor of the construction documents.



License: CC BY-NC-SA 4.0 © Open Building Collective
This project is shared as an open source architectural reference. Commercial use is not permitted.
Adaptation required for local codes. Attribution required. Share alike.
Free files at: www.openbuildingcollective.com

Designed by

JULIAN MAGNANI

www.julianmagnani.com

Project

TINY REFUGE 001

Contents

3D VIEWS

Date

JAN - 2025

Scale

A.401