

# PROJECT: ALPINE RESIDENCE

## PROJECT INFORMATION

Project Title:  
ALPINE RESIDENCE

Contact:  
Email:

THIS PROJECT REPRESENTS A GROUND FLOOR RESIDENTIAL BUILDING DEVELOPED USING LIGHT GAUGE STEEL FRAMING (LGSF) TECHNOLOGY WITH BIM-BASED MODELING AND COORDINATION WORKFLOWS.

THE MODEL DEMONSTRATES A DETAILED STRUCTURAL FRAMING SYSTEM INCLUDING WALL PANELS, ROOF TRUSSES, RAFTERS, STUDS, BEAMS, AND CONNECTIONS PREPARED FOR CONSTRUCTION DOCUMENTATION AND VISUALIZATION. THE PROJECT EMPHASIZES EFFICIENT SPACE PLANNING, LIGHTWEIGHT STRUCTURAL DESIGN, FASTER CONSTRUCTION METHODOLOGY, AND ACCURATE BIM COORDINATION.

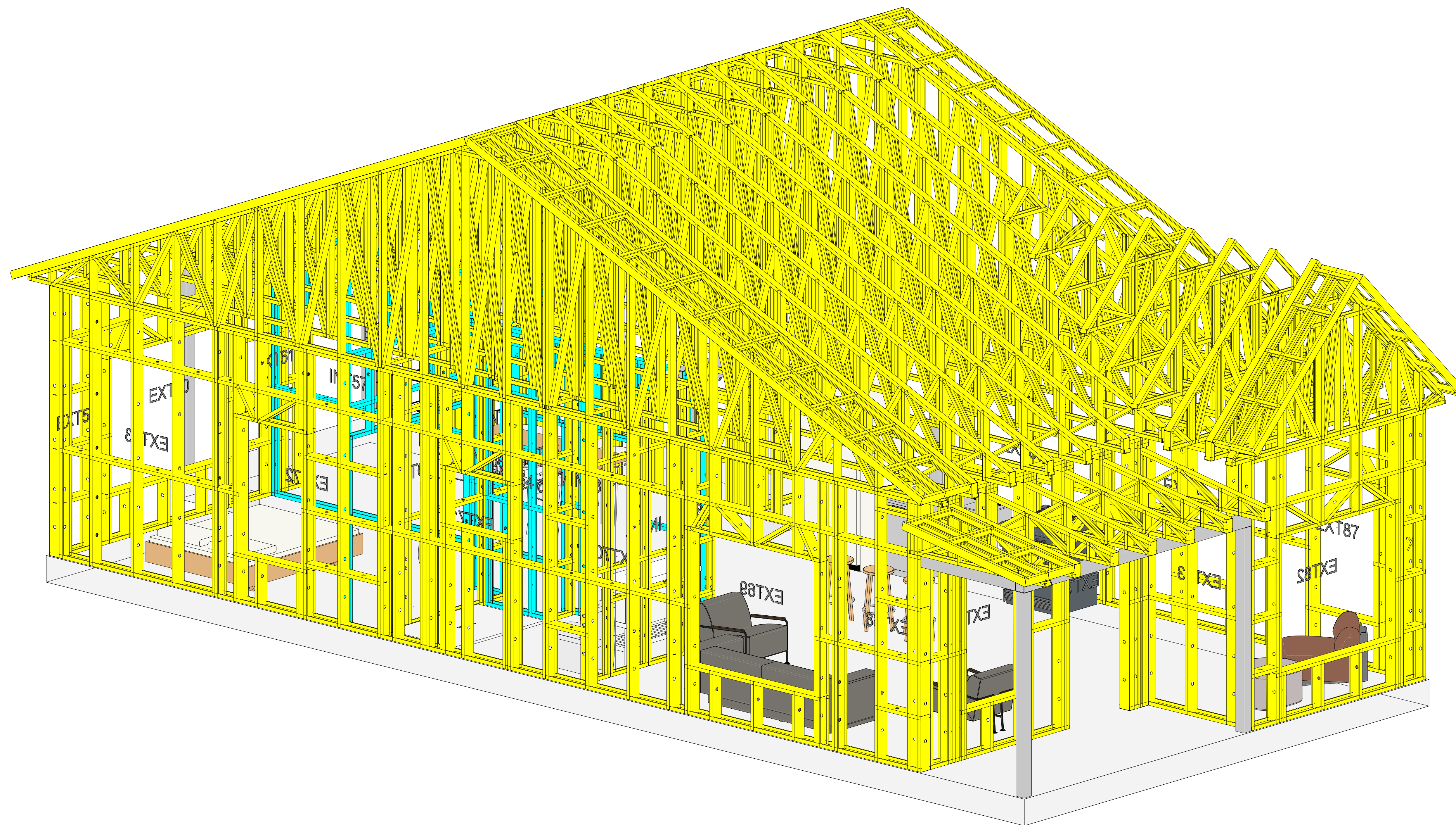
## PROJECT OBJECTIVES

- Develop a complete BIM model for LGSF residential construction
- Demonstrate detailed steel framing and roof systems
- Improve construction coordination and detailing accuracy
- Generate presentation-ready BIM documentation
- Support fabrication and site execution workflows
- Showcase BIM-based residential construction standards

## BUILDING SUMMARY

Building Type: ALPINE RESIDENCE  
Configuration: Ground  
Use: Multi-Family Housing  
Modeling Level of Detail: LOD 300  
Disciplines Covered:  
Structural BIM Modelling  
Floor Plans, Elevations & Sections

Software Used:  
Autodesk Revit 2025



3D VIEW

**BIM Solutions for Architecture, Structure, Interior  
Design, and Scan-to-BIM**

GENERAL NOTES:

[illegible]

ALPINE RESIDENCE

COVER SHEET

|                |                |
|----------------|----------------|
| Project number | Project Number |
|----------------|----------------|

Date 02-18-2026

|          |        |
|----------|--------|
| Drawn by | Author |
|----------|--------|

|            |         |
|------------|---------|
| Checked by | Checker |
|------------|---------|

# A100

Scale

| Door Schedule |             |              |       |
|---------------|-------------|--------------|-------|
| Mark          | Rough Width | Rough Height | Count |

|    |         |          |   |
|----|---------|----------|---|
| D1 | 3' - 2" | 6' - 10" | 1 |
| D2 | 3' - 2" | 6' - 10" | 2 |
| D3 | 2' - 8" | 6' - 10" | 1 |
| D4 | 6' - 2" | 6' - 10" | 1 |
| D5 | 2' - 2" | 6' - 10" | 1 |
| D6 | 6' - 2" | 6' - 10" | 1 |

Grand total: 7

| Window Schedule |             |              |             |       |
|-----------------|-------------|--------------|-------------|-------|
| Type Mark       | Rough Width | Rough Height | Sill Height | Count |

|    |         |         |          |   |
|----|---------|---------|----------|---|
| W1 | 3' - 0" | 5' - 0" | 1' - 10" | 4 |
| W2 | 6' - 0" | 5' - 0" | 1' - 10" | 3 |
| W4 | 3' - 0" | 3' - 0" | 3' - 10" | 1 |
| W5 | 3' - 0" | 2' - 0" | 4' - 10" | 1 |

Grand total: 9

BIM Solutions for Architecture, Structure, Interior  
Design, and Scan-to-BIM

GENERAL NOTES:

[illegible]

ALPINE RESIDENCE

## FIRST FLOOR PLAN

|                |                |
|----------------|----------------|
| Project number | Project Number |
|----------------|----------------|

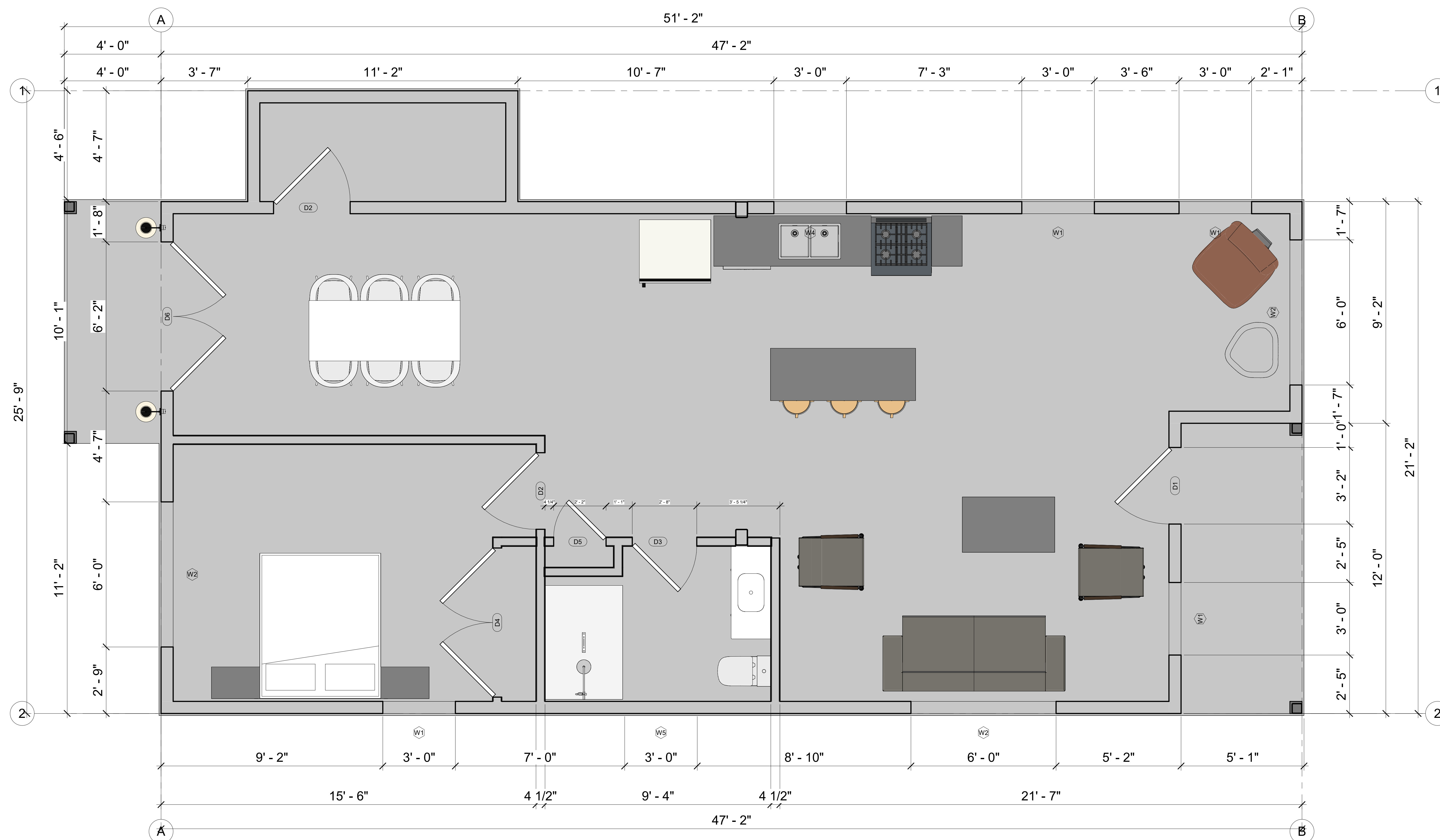
|      |            |
|------|------------|
| Date | 02-18-2026 |
|------|------------|

|          |        |
|----------|--------|
| Drawn by | Author |
|----------|--------|

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| Checked by | Checker |
|------------|---------|

A101

Scale  $1/2" = 1'-0"$

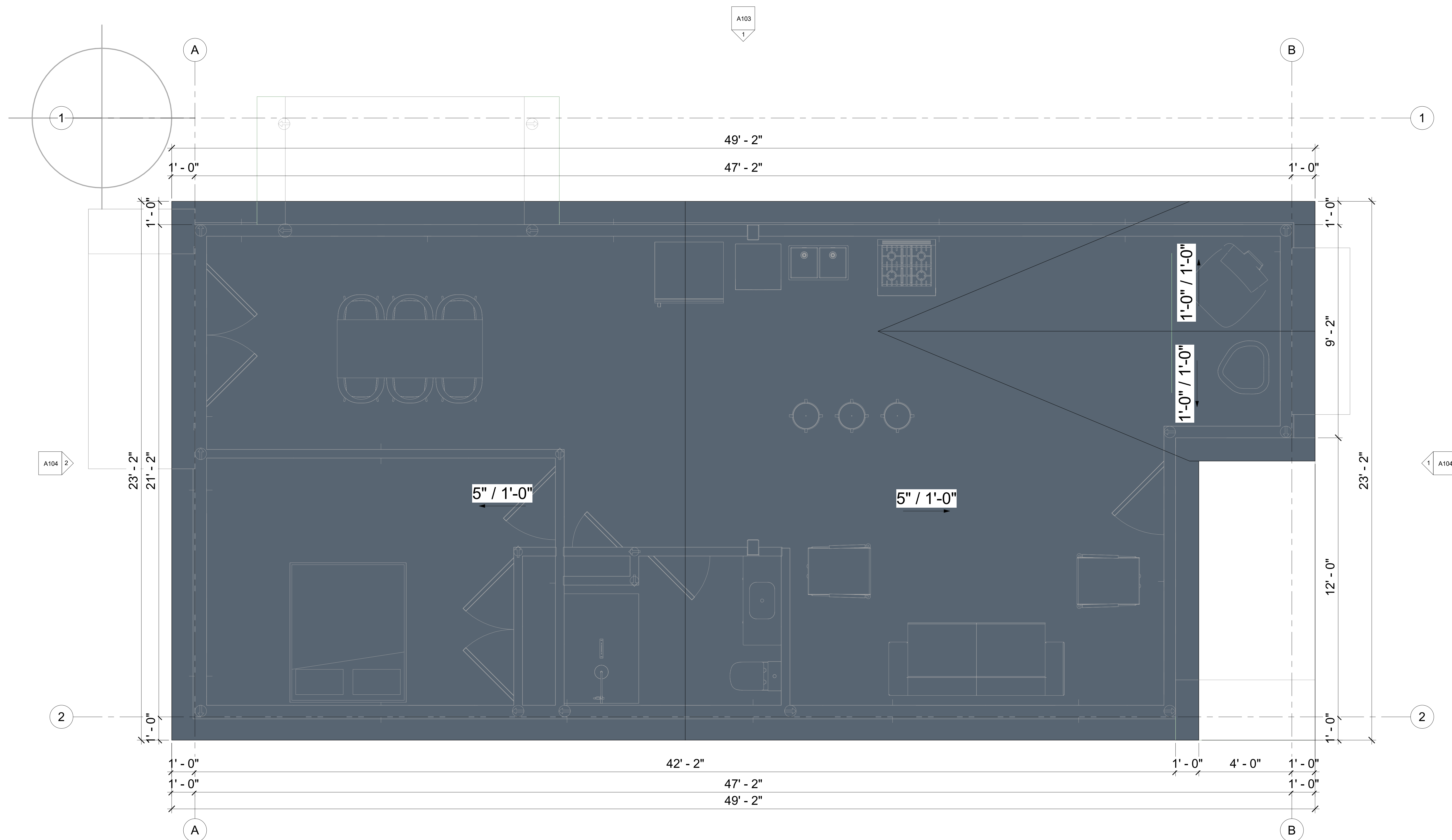


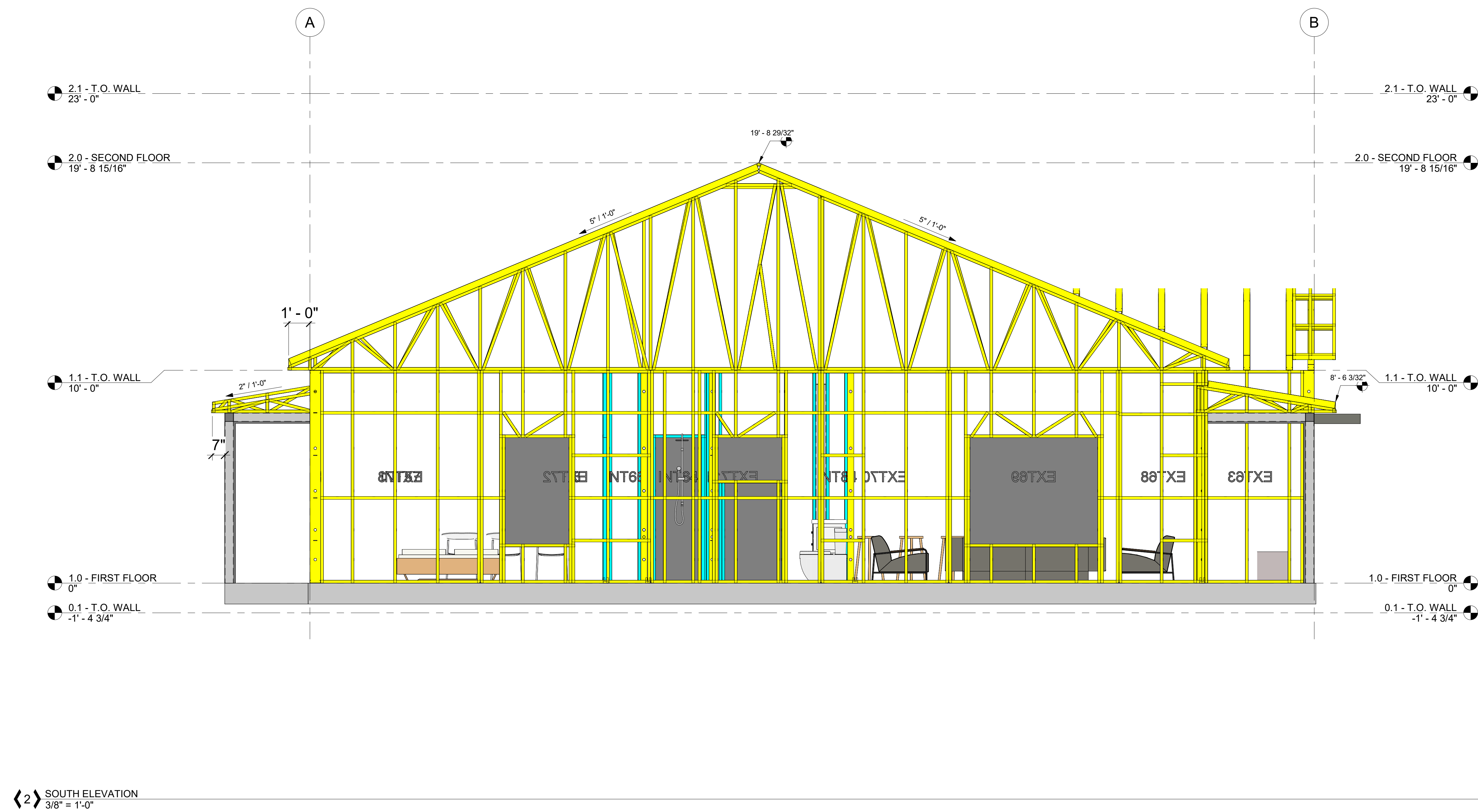
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## ROOF PLAN

|            |         |
|------------|---------|
| Checked by | Checker |
|------------|---------|

Scale  $1/2" = 1'-0"$





Scale  $3/8" = 1'-0"$

**BIM Solutions for Architecture, Structure, Interior  
Design, and Scan-to-BIM**

|                     |                |
|---------------------|----------------|
| ALPINE RESIDENCE    |                |
| BUILDING ELEVATIONS |                |
| Project number      | Project Number |
| Date                | 02-18-2026     |
| Drawn by            | Author         |
| Checked by          | Checker        |
| A104                |                |
| Scale               | 3/8" = 1'-0"   |

