

EXHIBIT A-1
SCALED DRAWING

DESIGN CRITERIA	
ROOF SNOW LOAD	----- (ELEV. 8,000) 80 PSF
ROOF LIVE LOAD	----- 20 PSF
ROOF DEAD LOAD	----- 20 PSF
FLOOR LIVE LOAD	----- 50 PSF
FLOOR DEAD LOAD	----- 50 PSF
DECK LIVE LOAD	----- 60 PSF
DECK DEAD LOAD	----- 25 PSF
SEISMIC ZONE	----- B
EXPLOSIVE	----- C
WIND (3 SECOND GUST)	----- 115 MPH
IBC/IRC EDITION	----- 2021

- GENERAL REQUIREMENTS:**
- Structural erection and bracing. The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced. The contractor, in the proper sequence, shall provide shoring and bracing as may be required during construction to achieve the final completed structure. Contact structural engineer for consultation (not in contract) as required.
 - Shop drawings. Submit shop and erection drawings for structural steel, miscellaneous steel, roof trusses and gables, steel deck, masonry reinforcing steel, wood trusses, masonry and wood framing, etc., to engineer for review prior to fabrication. This review is for general compliance with the structural design. The architect and/or contractor are responsible for checking quantities, dimensions and coordination with other trades.
 - Existing structures. Contractor shall be responsible for verifying dimensions, elevations, framing, foundation and anything else that may affect the work shown on the drawings. Underpinning, shoring and bracing of existing structures shall be the responsibility of the contractor.
 - Dimensions. Check all dimensions against architectural drawings prior to construction. Do not construct dimensions shown on drawings without the approval of the engineer.
 - Construction practices. General contractor is responsible for means, methods, techniques, sequences or procedures for construction of this project. Notify structural engineer of omissions or conflicts between the working drawings and existing structures. Coordinate requirements for mechanical/electrical/plumbing penetrations through structural elements with structural engineer. Jobsite safety is the sole responsibility of the contractor. All methods used for construction shall be in accordance with the latest editions of the IBC/IRC.
 - Details not specifically shown on the drawings shall be constructed in a manner similar to details shown for like conditions. These items shall be brought to the attention of the engineer as soon as possible for approval. Approval shall be obtained prior to installation.
 - It is the responsibility of the contractor to contact the structural engineer at the appropriate time to perform site observations. Observation visits to the jobsite by the engineer are for determination of general conformance with the construction documents and shall not be construed as inspection. Release of these drawings anticipates cooperation and continued communication between the contractor, architect and engineer to provide best possible structure. These drawings have been prepared on the basis of a qualified contractor experienced in the construction techniques and systems depicted.
- SITE PREPARATIONS:**
- Verify all utilities on property. And locate all utility connection locations to building prior to any excavation.

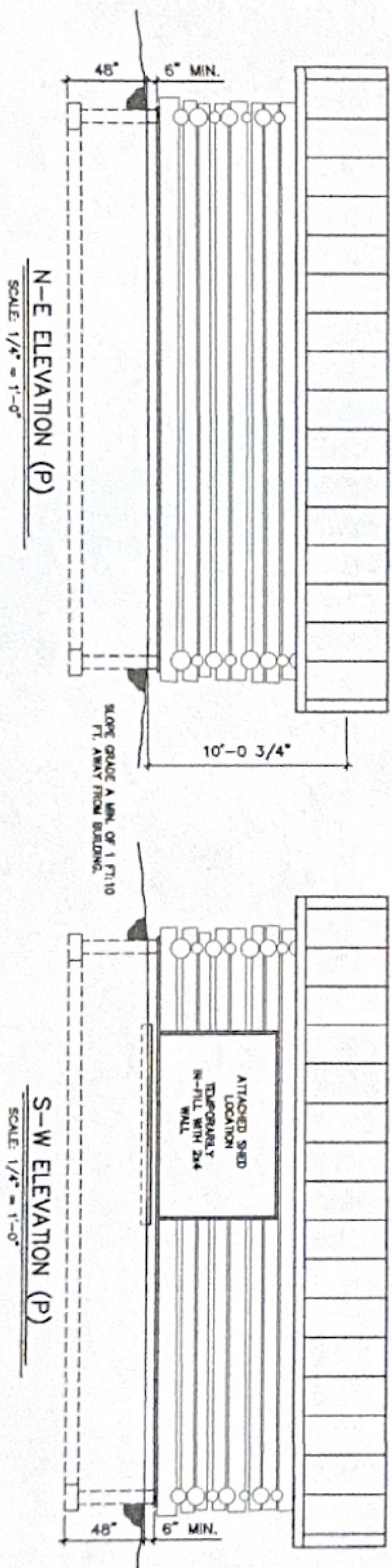
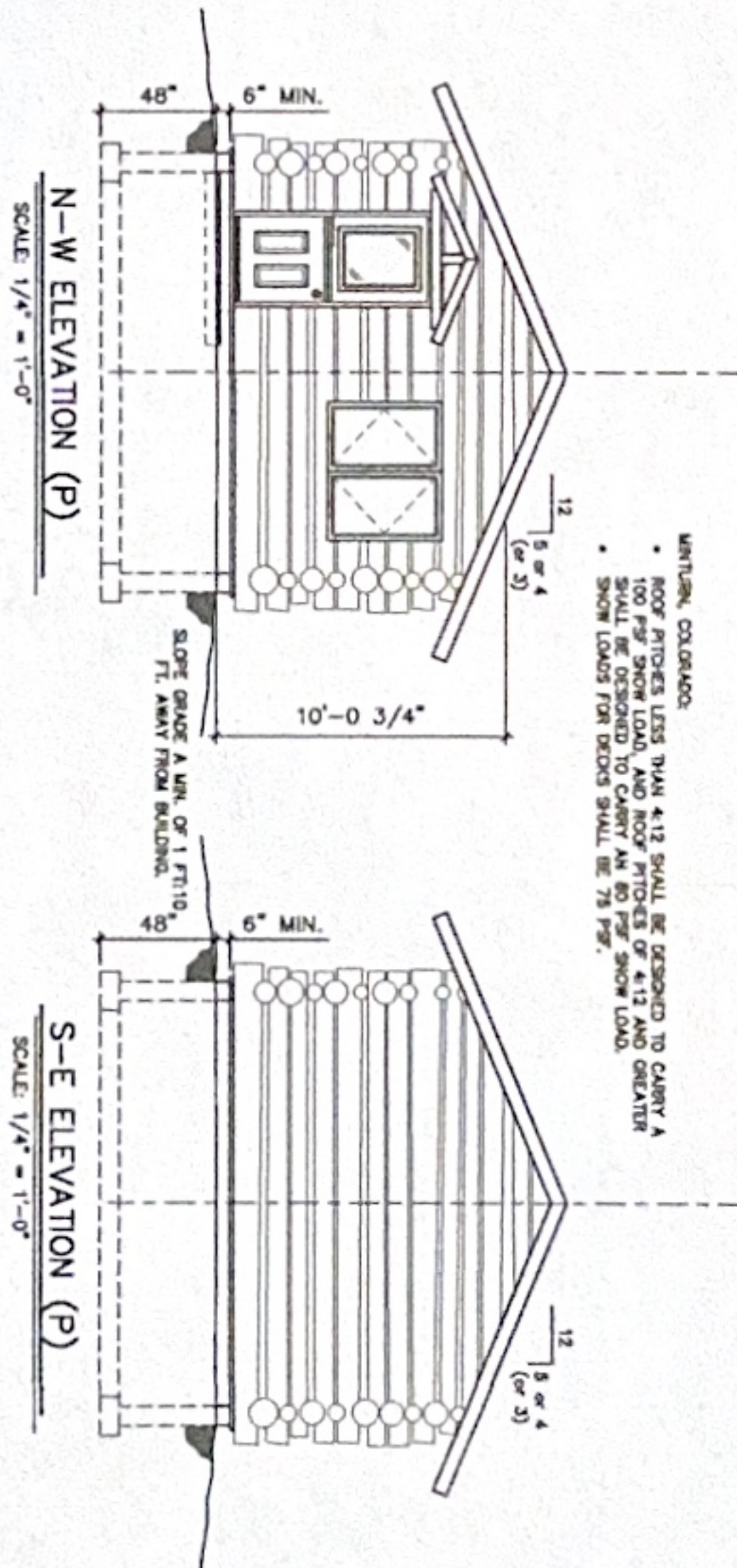
CODES TO BE USED:

2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FUEL GAS CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL EXISTING BUILDING CODE
2020 NATIONAL ELECTRICAL CODE

- ENERGY CODE INFORMATION:**
- SPF (R-7 PER INCH) & BIBS (R-4.3 PER INCH) INSULATION MATERIALS
 - FENESTRATION U-FACTOR $\leq .30$
 - DUCT SEALING DUCT AND PIPE INSULATION PER IECC SECTION R403.3
 - AIR SEALING DETAILS AND AIR BARRIER LOCATION PER IECC SECTION R402.4
- ROOF SYSTEM:**
- RE-USE EXISTING STANDING SEAM METAL ROOF.
 - A SUITABLE HI-TEMP ROOF MEMBRANE
 - 3/4" LP LEGACY SHEATHING (OR EQUIV.) OVER RAFTERS
 - 1-1/4" SPF INSULATION R-9
 - 10" BIBS INSULATION R-43
- TOTAL R VALUE FOR ROOF IS R-52 MIN.

NOTES:

- ROOF ARCHES LESS THAN 4:12 SHALL BE DESIGNED TO CARRY A MINIMUM OF 20 PSF UNIFORM LOAD AND 15 PSF POINT LOAD.
- SHALL BE DESIGNED TO CARRY AN 80 PSF SNOW LOAD.
- SNOW LOADS FOR DECKS SHALL BE 75 PSF.



A1	SHEET	ISSUED PRELIM: 3/12/25 PERMIT: 4/4/25	MEYER'S CABIN RELOCATION 804 CEMETERY ROAD PARCEL 9, TOWN OF MINTURN, EAGLE COUNTY, COLORADO	EWING ENGINEERING, inc. ALBERT N. EWING, COLO. P.E. 15862 P.O. BOX 2526 VAIL, COLORADO 81658 EMAIL: ewing-vail@comcast.net PHONE: 970-949-5153	