

DESIGN CRITERIA:

ROOF SNOW LOAD	CELEV. 9,530' 80 PSF
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD	20 PSF
FLOOR LIVE LOAD	45 PSF
FLOOR DEAD LOAD	20 PSF
DECK LIVE LOAD	60 PSF
DECK DEAD LOAD	20 PSF
SEISMIC ZONE	B
EXPOSURE	C
WIND (3 SECOND GUST)	90 MPH
IBC/IRC EDITION	2018

PRELIMINARY
NOT FOR
CONSTRUCTION

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, steel joists and girders, steel deck, masonry reinforcing steel, wood trusses, manufactured wood joists and glue-lam beams to engineer for review prior to fabrication. This review is for general compliance with the intent of 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 scale drawings.
- Construction practices: General contractor is responsible for means, methods, techniques, sequences and procedures for construction of this project. Notify structural engineer of omissions or conflicts between the working drawings and existing conditions. 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 the details that are shown for like conditions. These items shall be brought to the attention of the structural 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 visits. 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.
- Though every effort is made to provide a complete and clear set of construction documents, discrepancies or omissions may occur. Release of these drawings anticipates cooperation and continued communication between the contractor, architect and engineer to provide the best possible structure. These drawings have been prepared for the use of a qualified contractor experienced in the construction techniques and systems depicted.

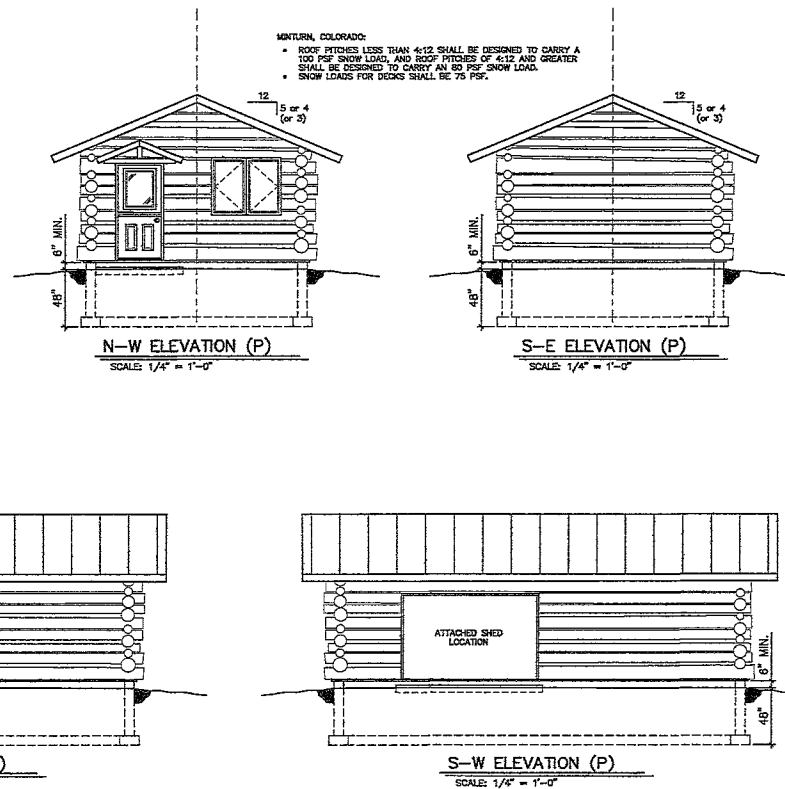
ENERGY CODE INFORMATION:

- 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:

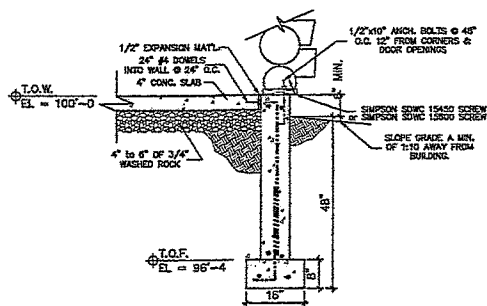
- RE-USE EXISTING STANDING SEAM METAL ROOF.
- A SUITABLE HI-TEMP ROOF MEMBRANE
- 3/4" LP LEGACY SHEATHING (OR EQUIV.) OVER RAFTERS
- 1-1/4" SPF INSULATION R-9
- 10" BIBS INSULATION: R-43

TOTAL R VALUE FOR ROOF IS R-52 MIN.



A1

EXHIBIT F



WALL DETAIL

SCALE: 3/4" = 1'-0"

FOUNDATION REINFORCEMENT:

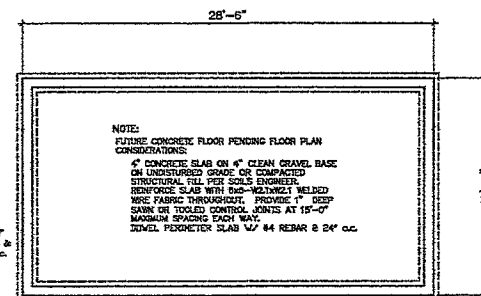
- FOOTINGS: # 3 BARS MIN 24" DIA. @ 6" SPACED @ 48" o.c.
 CD #5 REBAR HORIZ. IN 16" FOOTINGS & THICKENED SLABS
 CD #5 REBAR HORIZ. IN 24" FOOTINGS
 CD #5 REBAR HORIZ. @ 36" @ 36" TRANS. @ 18" O.C. IN 36" FOOTINGS
 4" WALLS: # 5 VERTICAL FULL HTD @ 48"
 O.C. TWO #5 REBAR HORIZONTAL T. & B.
 WALLS OVER 4" TALL: # 5 VERTICAL FULL HTD @ 24"
 O.C. TWO #5 REBAR HORIZONTAL T. & B. AND @ 24" o.c.
 ROUND CONCRETE PIERS: LESS THAN 4 FT. TALL: CD #4 VERTICAL FULL HTD
 AND ONE #3 REBAR HOOP 12" DOWN FROM TOP
 4 FT. TO 8 FT. TALL: CD #5 VERTICAL FULL HTD
 AND ONE #3 REBAR HOOP 12" DOWN FROM TOP AND @ 24" o.c.
 SQUARE CONCRETE PIERS: LESS THAN 5 FT. TALL: CD #4 VERTICAL FULL HTD ONE IN EACH CORNER
 AND ONE #3 REBAR HOOP 12" DOWN FROM TOP
 5 FT. TO 8 FT. TALL: CD #5 VERTICAL FULL HTD ONE IN EACH CORNER
 AND #3 REBAR SD. SPIRAL, W/ 12" PITCH, FULL HEIGHT.
- NOTE: #4 & #5 REBAR IS ASTM A631
 W/ 24" NOMINAL G22-3/8" HOOD OVERLAP ON #5 REBAR SPLICES
 10" HOOD OVERLAP ON #4 REBAR SPLICES

FOUNDATION NOTES

- ELEVATIONS OF CONCRETE FOUNDATION ELEMENTS INDICATED ON PLAN THUS:
 T.O.W.-TOP OF CONCRETE WALL T.O.F.-TOP OF CONCRETE FOOTING
 THESE ELEVATIONS RELATE TO ACTUAL SITE ELEVATIONS.
- TOP OF FOOTING ELEVATIONS ARE BASED ON FINDING ADEQUATE SOIL BEARING
 CONDITIONS AT THAT DEPTH. CONTACT ENGINEER IF OVERCUTTING IS REQUIRED.
- STEPS IN TOP OF CONCRETE WALL INDICATED: —E—
- CONTIGUOUS CONCRETE FOUNDINGS ARE CENTERED BENEATH CONCRETE FOUNDATION
 WALLS WHERE POSSIBLE AND/OR UNLESS NOTED OTHERWISE.
- CONCRETE FOUNDATION WALLS ARE 8" THICK AND CONTINUOUS FOOTINGS ARE 8"
 THICK x 16" WIDE UNLESS NOTED OTHERWISE.
- PERIMETER DRAIN PER IRC R405.1
- WATERPROOF FOUNDATION PER IRC R405.2
- INSULATE THE EXTERIOR OF FOUNDATION W/ 2" EPS (RECOMMENDED-NOT REQ'D.)
- DO NOT SCALE DRAWINGS.

PERIMETER DRAIN
 PER IRC R405.1
 WATERPROOF
 FOUNDATION PER
 IRC R-405.2
 SLOPE GRADE A MIN. OF 1:10
 AWAY FROM BUILDING.

ANCHOR BOLTS 1/2" DIA. x 10"
 AND 12" FROM STUDS, CORNERS &
 CONC. OPENINGS @ MIN. 48" o.c.
 (MIN DEPTH 8")



NOTE:
 FUTURE CONCRETE FLOOR PENDING FLOOR PLAN
 CONSIDERATIONS:
 4" CONCRETE SLAB ON 4" CLEAN GRAVEL BASE
 ON UNDISTURBED GRADE OR COMPACTED
 STRUCTURAL FILL PER SOILS ENGINEER.
 REINFORCE SLAB WITH #6-NO.10 WELDED
 WIRE FABRIC THROUGHOUT. PROVIDE 1" DEEP
 SUNK OR TOOLED CONTROL JOINTS AT 15'-0"
 MAXIMUM SPACING EACH WAY.
 JOMEL PERIMETER SLAB W/ #4 REBAR @ 24" o.c.

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



EXHIBIT F

S1