

BUILDING 27, SUITE 3, FORT MISSOULA ROAD MISSOULA, MONTANA 59804 TEL 406.542.2805 NATIONALFORESTS.ORG

Request for Proposals Mendenhall Lake Cabin Design and Construction Tongass National Forest, Alaska

Background and Statement of Work:

The National Forest Foundation (NFF), in partnership with the U.S. Forest Service (USFS), is seeking design and construction services for the new Mendenhall Lake Cabin located in Juneau, Alaska on the Tongass National Forest. This is a design-build project that involves a qualified designer and contractor to design and construct a USFS-approved cabin, inclusive of foundation, site, and associated site amenities per the contract documents. Construction should be complete no later than September 30, 2025. Complete design documentation is required. The final design and specifications will become USFS property to be used at USFS discretion at future cabin sites.

This cabin is one of approximately 10 cabins to be built on the Tongass National Forest and 10 cabins on the Chugach National Forest in the coming years. Many cabins will be in remote or semi-remote locations, and all cabins are located in bear country. Through these cabin projects, the intent is to bolster local Alaskan economies by utilizing local (Alaskan) wood products, local contractors, and support opportunities for local workforce development, to the extent feasible.

Information Requested

If interested in submitting a bid for this project, please provide a proposal for the above statement of work by providing:

- technical approach
- design-build team (contractors and sub-contractors).
- · work experience
- schedule
- cost
- capacity for this project
- experience in similar projects

Specific requirements are detailed below.

I. PROJECT OVERVIEW AND REQUIREMENTS

General Specifications

- (a) <u>Description of Work</u> This Request for Proposals is for services related to the design and construction of a 16' x 20' cabin, the foundation, 12' x 16' covered deck attached to the cabin, accessible ramp and site amenities, including the following:
 - 1. Complete design for the cabin
 - i. Design elements may include but are not limited to; parking, gravel pads, fire rings, woodsheds, picnic tables, outhouses and walking paths. Area technical surveys will be available for the selected contractor to review and use in the design process. Design elements should closely follow the requirements in Appendices A, B, C and D.
 - ii. Shop drawings will detail the dimensions and a cut list providing the necessary information needed to manufacture and assemble the cabin.
 - 2. Create a design brief and subsequent draft plans and specifications for review and discussion at 60%, 90%, and 100%.
 - The design brief shall include the design management approach and any design and/or construction concerns or constraints due to schedule, budget, materials, constructability, transport, code, compliance, etc.
 - ii. The selected contractor shall present to the NFF and USFS at meetings at the 60%, 90%, 100% completion stages to discuss comments and required changes. The draft plans should be shared 10 days prior to each review meeting. The design brief, 60%, and 90% designs, structural calculations, and specifications can be shared in pdf. 100% designs and specifications must be provided in both pdf and original format (AutoCAD/Word).
 - iii. Submit shop drawings, construction details, assembly instructions and other submittals to illustrate all aspects of the proposed cabin design and assembly procedure. The submittal for review and approval by NFF and USFS will be made prior to cabin construction.
 - iv. Design and layout will need to be approved by NFF and USFS before construction. If there are elements of the design that can begin prior to 100% final construction drawings and specifications approval, it will require written approval by NFF and USFS.
 - iv. Maintain a full set of construction drawings and specifications on site and annotate with red line changes in the field to reflect as-built conditions.
 - v. Incorporate red line changes upon construction completion to produce accurate as-built record drawings. The as-built record drawings shall meet the same requirements as the 100% final construction drawings and are to be stamped by a licensed engineer and/or architect as appropriate.

- 3. Construction of a new cabin, foundation, and site amenities after NFF/USFS has approved designs, drawings, and specifications, which will include the following:
 - Submit for review and approval at least 10 business days ahead of anticipated construction start date required pre-construction plans. See Attachment A.
 - ii. Prior to commencing any work on construction, the selected contractor representative shall meet with NFF and USFS in a preconstruction meeting. Construction may commence upon approval of the construction documents, work plans and schedule. See Attachment A.
 - iii. Procuring all building materials and transporting them to the project site
 - iv. Constructing a 16x20 accessible cabin with a full loft, including excavation, fill and foundation work. See Attachment A for lumber specifications.
 - v. Constructing and installing interior cabin furniture.
 - vi. Construction or installation of all site amenities (Attachment A and C), which may include pathways, parking areas, outhouse, fire rings, picnic tables, Architectural Barriers Act (ABA) accessible ramp to access the deck of the cabin, and other items.
 - vii. Cleaning construction site of all construction material and waste.

The Contractor shall identify what they can supply in terms of materials, labor, equipment, supplies, supervision, quality control, and incidentals required to complete the work described. The Contractor shall perform all work in a safe and conscientious manner.

- (b) Project Location The proposed location for the Mendenhall Lake Cabin site is 58.413594 -134.582336 and sits within Mendenhall Lake Campground in the City and Borough of Juneau. The campground is open to guests from May 15 through September 15 and is located 13 miles from downtown Juneau. Driving times: 14 minutes from the Juneau International Airport, 10 minutes from the Auke Bay Ferry Terminal, and approximately 30 minutes from the Alaska Marine Lines - Lynden Transport facility.
- (c) Work Schedule The contractor should propose a timeline for the 60%, 90%, and 100% design for review and discussion to ensure that all required reviews are completed 90 days after service agreement is executed. Design submittal procedures are described in Attachment A. The final work schedule, including construction timeline, shall be mutually agreed upon by NFF and the selected contractor. Once the work schedule is agreed upon, a USFS representative will be assigned to inspect the project at key points during the cabin construction, including but not limited to:
 - 1. After excavation/before backfill for footings (if applicable)
 - 2. During concrete work (if applicable)
 - 3. Before floor structure is covered up by subfloor
 - 4. Before roof structure and insulation is covered by sheathing/waterproofing
 - 5. Final inspection and as-built records.

(d) List of Attachments

1. Attachment A: Standard Cabin Specifications

- 2. Attachment B: USFS Standard Cabin Layouts
- 3. Attachment C: Mendenhall Lake Cabin Specifications
- 4. Attachment D: Federal Flowdown Provisions for 1593088

Cabins in the Alaska Cabins Project use the same standard design (Attachments A and B) with some optional features that depend on the cabin location. Site-specific information for Mendenhall Lake Cabin is contained in Attachment C. In case of conflict between codes, reference standards, drawings and the other contract documents, the most stringent requirements shall govern. All conflicts shall be brought to the attention of NFF and USFS for clarification and directions prior to any action. The Contractor shall bid for the most stringent requirements.

Other Project Requirements and Specifications

- (a) <u>Utilities</u> There are bathhouses/outhouses with potable water a short walk in either direction from the site along the Main Loop. All bathrooms within the campground will be open May 15 – September 15. The closest bathroom to the cabin site can be left open throughout the winter upon request. Contractor shall supply their own power as there is none currently available on-site. Electrical access may become available during construction.
- (b) Specifications Project work shall be accomplished in accordance with the following:
 - 1. All designs will be based on information provided in appendices and discussions with NFF and USFS.
 - 2. All final designs will be in AutoCAD, file format .dwg, and Adobe pdf. They must be stamped by a licensed engineer and/or architect as appropriate.
 - 3. Designs must follow Forest Service Outdoor Recreation Accessibility Guidelines (FSORAG) and Architectural Barriers Act (ABA) guidelines.
 - 4. All designs must meet the most current International Building Codes requirements.

Insurance Requirements

Upon selection of the winning bid, the Contractor agrees that it has and shall maintain the following insurance coverage indicated below. The effective date of all coverage shall precede the start of any work.

- a. State minimum workers' compensation insurance coverage for its employees, if any.
- b. Broad form general liability, property damage, and automotive liability insurance in the minimum amount of \$1,000,000 for bodily injury, death, or damage to property of any person and \$2,000,000 for bodily injury, death, or damage to property of more than one person. The Contractor shall name NFF an Additional Named Insured and provide NFF with a certificate of insurance evidencing such coverages, prior to the initiation of the Scope of Services.
- c. If the Scope of Services includes professional services as identified herein, Contractor shall also provide professional errors and omissions liability insurance. Professional services for purposes of this section include, but are not limited to performing architecture, engineering, landscape architecture, land surveying or planning, preparation and signing or stamping of drawings, maps, surveys or construction specifications, or design and development of computer software,

programs or websites by the Contractor or by subcontractors on behalf of the Contractor, for which professional liability insurance would typically be required. The minimum coverage limits required are \$1,000,000 for each claim and \$1,000,000 annual aggregate.

Prohibited Telecommunications Services and Equipment

If required, the Contractor is responsible for compliance with the prohibition on certain telecommunications and video surveillance services or equipment identified in 2 CFR 200.216.

Payment/Performance Security

Contractor shall post cash, a letter of credit, bond, or other financial security that is easily convertible into cash in a form acceptable to the NFF, in its sole determination, to assure completion of the work required under any subsequent agreement and payment of all amounts lawfully due to all persons supplying or furnishing to the Contractor or Contractor's subcontractors with labor, laborers, materials, rental machinery, tools or equipment used or to perform the work. Contractor may incorporate required associated costs into mobilization costs or other approved expenses.

a. Work that is classified as construction in accordance with the Miller Act or Little Miller Act or if required per conditions of the funding source, payment and performance bonding will be required in the full amount of any Agreement. For the purposes of this Request for Proposal, construction is defined as "any contract greater than \$100,000 for the construction, alteration, or repair of any public building or public work where the federal government is the owner."

Federal Exclusion Verification

The selected Contractor will be required to affirm that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Federal Flowdown Provisions

Flowdown Requirements: Any Agreement associated with this RFP is subject to flowdown requirements under associated federal or state funding agreements, which are included as Attachment D.

Competitive Range

The expected competitive range for bids to this solicitation is \$650,000 to \$750,000.

II. REQUIRED COMPONENTS

Technical Proposal

Please provide a detailed technical approach to the work.

Contractor Qualifications

- a. <u>Past Experience</u> Please provide a brief explanation of previous work experience with land management agencies.
- b. <u>References</u> Please provide three professional references that can speak to past performance.

Pricing Schedule

Contractor shall price work according to the schedule below. Prevailing wages are required per conditions of funding sources. Acceptable wood species are Alaska Yellow Cedar, Western Cedar, Sitka Spruce, White Spruce, and Western Hemlock sourced from Alaska <u>with a preference for cedar</u>. If you are unable to source some lumber from Alaska, please indicate the amount and include an explanation why in the proposal.

If Tasks/Items can be sourced outside of Alaska, it is specified under the Task/Item description. Please fill out the source location for each blank row

1. Base Bid:

	Task/Item	Units	Unit Cost	Extended Cost	Wood Species	Source Location (Nearest Town)
a.	Designs for cabin, foundation, site plan and shop drawings	1	Lump Sum			
b.	Mobilization	1	Lump Sum			
C.	Materials: foundation	1	Lump Sum			
d.	Materials: cabin structure (please separately indicate species for wall logs)	1	Lump Sum		Wall logs:	
e.	Materials: furniture, interior stairs, and interior trim	1	Lump Sum			

	Task/Item	Units	Unit Cost	Extended Cost	Wood Species	Source Location (Nearest Town)
f.	Materials: picnic table, fire ring and seating. Can be sourced from outside of AK.	1	Lump Sum			,
g.	Materials: exterior deck, stairs, and accessible ramp. Can be sourced from outside of AK.	1	Lump Sum			
h.	Materials: Outhouse. Can be sourced from outside of AK.	1	Lump Sum			
i.	Materials: Aggregate pad for firepit and picnic table.	1	Lump Sum			
j.	Materials: Electrical and heating system (i.e. electrical line, outlets, etc.). Can be sourced from outside of AK.	1	Lump Sum			
k.	Materials: Coatings for exterior and interior outhouse, deck and cabin. Can be sourced from outside of AK.	1	Lump Sum			
I.	Materials: Gabions, fill, and foundations	1	Lump Sum			
m.	Labor: construct foundation	1	Lump Sum			
I.	Labor: construct cabin structure	1	Lump Sum			
m.	Labor: Construct and install cabin	1	Lump Sum			

	Task/Item	Units	Unit Cost	Extended Cost	Wood Species	Source Location (Nearest Town)
	furniture, interior stairs, and interior trim					,
n.	Labor: Installation of electrical and heating system	1	Lump Sum			
0.	Labor: Install aggregate pad for firepit and picnic table	1	Lump Sum			
p.	Labor: Construct and/or install cabin exterior deck, stairs, accessible ramp, picnic table, fire ring, and seating	1	Lump Sum			
q.	Labor: Construct outhouse	1	Lump Sum			
r.	Labor: Apply exterior and interior coatings to outhouse, deck and cabin	1	Lump Sum			
S.	Construct and install gabion retaining features	1	Lump Sum			
t.	Materials and construction of all pathways	1	Lump Sum			
u.	Materials and construction of parking area	1	Lump Sum			
				TOTAL NOT	TO EXCEED:	

2. Optional Items Bid:

The following options may be added by amendment only and are not included in total above.

	Optional Task/Item	Units	Unit Cost	Extended Cost
a.	Option 1: Exterior Cabin Wainscotting (required if non- cedar wall logs)	1	Lump Sum	
b.	Option 2: Improvements for Beach Picnic Area and approach trail from Gathering Area upon ground excavated and graded or otherwise prepped as part of Base Bid work.	1	Lump Sum	
		•	TOTAL OPTIONAL ITEMS:	

III. SUBMISSION, EVALUATION, AND CONTACTS

Contractor Selection Process

This is a request for proposals only and bids furnished are not offers from the National Forest Foundation. This request does not commit the National Forest Foundation to pay any costs incurred in the preparation or submission of the proposal or to contract for supplies or services.

The NFF will use the Evaluation Factors below to review each submitted bid. Based on the outcomes of that selection process, the NFF will notify successful and unsuccessful bidders by August 31, 2024 and will prepare a separate contract document.

Evaluation Factors and Relative Importance

The following criteria will be used in the evaluation of submitted proposals, ordered from highest weighting (level 3) to lowest weighting (level 1).

Level 3 Criteria

- Price / cost
- Equipment and contractor capability
- Timing of when contractor can begin and/or finish the project
- Past performance, references, and USFS feedback

Level 2 Criteria

- Technical proposal / proposed approach to project
- Overall strategic benefits to meeting NFF goals and grant needs, requirements, and timelines

Level 1 Criteria

- Benefits to the local community
- Relationship to local community

Point of Contact

Please submit any questions about the project in writing to the Point of Contact.

Mx. Carolyn Auwaerter (they/them)
National Forest Foundation, Tongass Stewardship Coordinator cauwaerter@nationalforests.org

Responses will be shared with known interested parties by email or otherwise posted at https://www.nationalforests.org/rfp.

Pre-bid Meeting

The National Forest Foundation and USFS will provide an online pre-bid meeting to answer any questions about the scope of work for the project. This meeting will be held online via Microsoft Teams meeting and by conference line on July 22 at 1pm AKST. RSVP to cauwaerter@nationalforests.org. To attend the meeting online:

Join the meeting now

Meeting ID: 214 386 460 81

Passcode: SjHAQe

Dial in by phone

+1 406-998-6119,,877658749# United States, Billings

Find a local number

Phone conference ID: 877 658 749#

Bid Submission

Submit bids via email to cauwaerter@nationalforests.org as a Microsoft Word document or Adobe PDF by August 5, 2024. Pricing schedule must be completed digitally.

Equal Opportunity Provider

In accordance with Federal law and U.S. Department of Agriculture policy, the National Forest Foundation is prohibited from discriminating on the basis of race, color, national origin, sex, age, religion, political beliefs, or disability.

Attachment A: Standard Cabin Specifications

Contents:

- 1. Cabin and Site Design:
 - a. Design Requirements
 - b. Site Layout
 - c. Structural Design Parameters
 - d. Functional Requirements
 - e. Cabin and Site Element Descriptions
 - f. Accessible routes
 - g. Heating system
 - h. Outhouse system
- 2. Cabin Material Specifications
- 3. Project Requirements
- 4. Government Furnished Materials
- 5. Required Contractor Submittals
- 6. Required Design Submittals and Procedures
- 7. Erosion and Sedimentation Control Plan (ESCP)
- 8. Invasive Species Management Plan (ISMP)
- 9. Project Completion

1. Cabin and Site Design

a. Design Requirements:

Architectural and engineering drawings that describe all aspects of the concept drawings. Drawings shall also be coordinated with the Erosion and Sedimentation Control Plan (ESCP).

- Include the following drawings:
 - o Site Plan.
 - Unless specified otherwise, site layout shall show laydown and disturbance areas, access, parking (where applicable), cabin layout (with deck, stairs and ramp) and site amenities as specified in site specific Attachments (may include outhouse, woodshed, benches, fire ring, and picnic table).
 - Existing Conditions Plan including:
 - Existing roads, trail, facilities, key vegetation, and similar features pertinent to site layout and development.
 - Vegetation and facilities to be protected during construction.
 - Exclusion Zones for resource protection if required by project NEPA decision document.
 - Demolition Plan, including:
 - Drawings or specifications shall identify approved locations for wasting of excavated material.
 - Locations and methods required to control sedimentation resulting from the work (per project's approved ESCP).

- Grading and Drainage Plan, including control points and spot elevations that will be used to stake work on the ground for approval prior to construction.
- Site Revegetation Plan (may be combined with another plan as approved).
- Cabin Plans shall include:
 - Plan views
 - Elevation views
 - Section views
 - Foundation, floor, wall and roof framing plans and elevations
 - Interior Furniture
 - Details (including all connections, roof-to-wall interfaces, ventilation, flashing, vapor barriers, roofing systems, log connections and details that address shrinkage of logs around doors, windows, stair wells, etc.) that enable a contractor to execute construction from the final drawing set.
- o General and specific notes regarding design and construction
- o Cross referenced details and sheet numbers
- Drawing standards: Drawings shall be scaled and of sufficient detail for fabrication and installation. Construction documents shall show the size, section, and relative locations of structural members with floor levels, column centers, and offsets dimensioned. Structural drawings shall annotate design loads.
- Drafting standards: Use Forest Service AutoCAD standards (or similar professional drafting standards). Incorporate Forest Service coversheet and title blocks, ensuring a uniform/coordinated set of drawings for all disciplines. ACAD template files available upon request.
- Design calculations, justification, and documentation demonstrating compliance with all criteria outlined. Recommended design loads shall be verified by a licensed engineer, and materials, and sizing and layout shall be adjusted according with a clear summary of final selected materials.
- o A complete list of materials to be supplied by the Contractor.
- Manufacturer's specification sheets for all products and materials including windows, doors, roofing, fiberglass grating, insulation, heating element(s) and associated components and site amenities.
- Assembly instructions and construction detail drawings for all cabin elements such as roof assembly with roof supports and snow stops, walls, door and window installations, foundation, insulation, stairs, loft deck with guardrail, porch deck and ramp with bull rail or guard rail, heating system details, site amenities, etc.
- o Provide drawings in pdf format setup to print to 11" x 17" sheets.
- o Provide specifications for all materials, either on the drawings, as separate specifications in 3-part CSI format or a combination of the two.
- Provide drawings and specifications sufficiently detailed for utilization as standalone design-bid-build documents for construction of similar cabin projects.

b. Site Layout

Situate the cabin so it takes advantage of the best views, reduces the number of trees that need to be removed and reduces impacts visually or otherwise on other users. Provide accessible routes to the outhouse, on and off the deck, fire ring and other site features. (See Attachment C, Cabin Site and Design, Accessible Routes). Local conditions such as prevailing wind, sunlight, snow berms and view of the site from trails and others should be taken into consideration. Contractor to provide recommendations and options for NFF/USFS to select the final location.

c. Structural Design Parameters

Design to International Building Code current version. See Attachment C, Cabin and Site Design, Structural Design Parameters and Mendenhall Lake Cabin Geotechnical Report.

d. Functional Requirements

Below are Forest Service functional requirements:

- Ability to provide overnight shelter for up to 8 people at one time.
- Provide an accessible, approachable cabin camping experience for groups of all ages, experience, and mobility levels.
- Year-round use and access.
- Complying with ABA and FSORAG guidelines.
- Heating system to allow for comfortable year-round use.
- Minimum 50-year lifespan on the structure.
- Operable windows for adequate lighting and air flow as well as views of the setting.

e. Cabin and Site Element Descriptions

All cabin and site design elements shall include the USFS Standard Cabin Drawing in Attachment B. Attached cabin drawings are for schematics only and shall not be taken as final design. The Contractor is responsible for designing per design requirements in Attachment A. This includes, but is not limited to, roof framing, roof decking, wall framing, wall bracing for wind girts, roof ridge ventilation, foundation, or any other architectural and structural components that require being designed and compliant with requirements listed in Attachment A.

Cabin

- o 16x20 ft per Attachment B.
- o Finish Floor Elevation to be min 18" above grade.
- o 12x16 ft covered deck per Attachment B.
- Approximately 4' overhang is required, with no snow shed from roof onto deck, ramp or entrance walkway. Ensure that the roof overhang covers entire width of accessible ramp.
- Where wainscoting is required, wainscoting shall be placed on all sides over log walls with proper detailing (z-flashing, furring, rainscreen, insulation, pest control, foam backer rod, caulking, etc.).
 Wainscoting will not be optional but required for non-cedar wall logs.
 See Attachment C for requirements.
- Single door egress to deck.
 - Fiberglass exterior door, 36" width, with Half-Lite.

- Accessible Ramps.
 - Accessible ramp from deck to finish grade.
 - The cabin's first floor, ramp, and deck will meet FSORAG and ABA standards.
- Enclosed loft and stairs with door at the bottom of the stairs to control heat.
- The stairway shall be fully enclosed with 2x6 tongue and groove spruce decking.
- o Furnishings:
 - The countertops shall be plywood with stainless steel covering.
 - The bottom bunk to be 18" wider than the top bunk to provide seating while allowing both bunks to accommodate two people.
 - A metal bear-resistant food locker on porch that does not block windows and has a level top that could be used as a cook surface approximately 16-19 cubic feet in size, located in accordance with accessibility standards and in consultation with USFS.

Site Elements

- All imported materials shall come from a certified weed-free source or one that has been inspected and approved by USFS as being weedfree, before transport to the project area. (See Guidance for Invasive Plant Management Program, Tongass National Forest (March 2014) and Forest Service Manual 2900 (2011), Invasive Species Management and Executive Order 13112 (1999), Invasive Species for more information).
- Include aggregate surfacing around the cabin and all site amenities.
 See 8. Invasive Species Management Plan for additional requirements. Accessible Fire Rings: Pilot Rock Accessible Fire Ring FS-30/18/PA with single level, flip-back cooking grate or approved equal.
- Include four, two-person benches that could be used on the porch or around the firepit.

f. Accessible Routes

All routes to and from the cabin, outhouse and woodshed shall meet FSORAG and ABA accessibility standards, including reconstruction of existing access routes.

g. Heating System

Furnish and install a new woodstove, stove pipe, floor and wall protectors as recommended by the manufacturer, unless otherwise specified in site specific Attachments (see Attachment C, Cabin and Site Design, Heating and Electrical

Systems). Site specific requirements may require alternative or additional back-up heat sources, including but not limited to kerosene, diesel fuel, propane, etc. Woodstove specifications include:

- Model: Blaze King Princess 32, 51,000 BTU's, with the following options added: Ultra Pedestal with Ash Drawer, Solid or Glass Door and Rear Heat Shield or approved equal.
- b) Woodstove Accessories include:
 - Spark Protection Mat: Follow recommended manufacturer's installation instruction for floor protection. PE 32 Hearth Pad or approved equal. Stainless steel sheets are also acceptable.
 - Roof Flashing: Pre-painted sheet metal, configured to fit tightly to chimney riser and seal to metal roofing system.
 - Black insulated chimney connector pipe for installation through 1st floor and loft, appropriate ceiling/roof support packages and insulation shields, insulated chimney and chimney rain cap such that the installed stove and chimney comply with UL 127 and/or UL-103HT. Pipe that passes through the 1st and 2nd floors shall be insulated sufficiently to prevent burns if a person were to touch the pipe. Snow diverters shall be installed on roof around chimney with ground snow loads greater than 50 psf.

h. Outhouse System

Cabin outhouse systems, if required, are identified in site-specific attachments (see Attachment C, Cabin Site Design, Outhouse System).

2. Cabin Material Specifications

The following specifications are guidelines for general bidding purposes. The Contractor's designer of record shall develop final specifications for materials ensuring compatibility, durability, availability, constructability, code compliance, and associated installation and testing requirements. Storage, handling, preparation, and installation shall follow the manufacturer's instructions.

- a) Interior cabin roof deck materials, loft floor, trim, and furnishings may be Sitka Spruce, White Spruce, or Hemlock.
- b) Deck framing, decking, railings, and bull-rails shall be UC4A or UC4B treated lumber except for the top rail cap, which shall be cedar.
- c) Wall logs shall be double tongue and groove 4x6 timbers. Alaska Yellow Cedar or Western Red Cedar is preferred, but Sitka Spruce, White Spruce, or Western Hemlock is acceptable if additional measures such as exterior wainscotting is provided to prevent rot. To ensure quality, the USFS is requesting that all timbers/lumber produced for this cabin project be graded using the WWPA & WCLIB grade standards. Alaska Yellow Cedar shall be dried and graded in accordance with Western Wood Products Association (WWPA). Western Red Cedar shall be dried and graded in accordance with WWPA (Western Cedars). Sitka Spruce, White Spruce, and Western Hemlock shall be number 2 or better grade based on industry standards (NLGA & NeLMA). Moisture content should be at or less than 19% kiln dried or air dried. The double tongue and groove pattern is included in Attachment B. If Contractor has an existing tongue and

groove pattern different from what is referenced, then Contractor must submit the pattern to NFF/USFS for approval prior to processing any lumber.

- d) Coatings (unless otherwise specified in Attachment C)
 - Exterior wood (wall logs, trim, pressure treated lumber, eaves, soffits, posts, benches, outbuildings etc.) shall be coated with Proluxe SRD Wood Finish Penofin Ultra Red Label Wood Stain, Sherwin Williams Superdeck Exterior Oil Based transparent stain or approved equal, oil-based, semi-transparent finish, and lightly tinted with uv-inhibiting pigment. (See Attachment C, Cabin and Site Element Descriptions, Exterior Wood Coating).
 - Interior wood (wall logs, second floor decking, trim, ceilings, framing, furnishings, built-ins, etc.) shall be coated with Rustoleum Varathane, or approved equal waterbased polyurethane floor finish, clear coat. Preparation and application as specified by manufacturer, unless otherwise specified. Apply 3 coats on walls and ceilings. Apply 4 coats on floors, countertops, tables, benches, beds, and wood doors. Sand all surfaces before final coat.
- e) Cabin flooring, first floor: Skid Guard Industrial Panel or 2-part marine grade epoxy over plywood with sand aggregate in high traffic zones.
- f) Cabin flooring, second floor: 2x6 tongue and groove SPF (Spruce, Pine or Fir).
- g) Ramp decking and stairs: T2510 Safe-T-Span pultruded pedestrian grating manufactured by Grating Pacific or approved equal.
- h) Trim: Provide rake trim in full lengths. Provide window and door trim as lengths to be cut for installation.
- Stair treads, exterior fiberglass molded stair treads that meet ABA. Storage, handling, preparation and installation shall follow the manufacturer's instructions. Specifications as follows:
 - Resin: "corvex."
 - Thickness: 1-1/2 ".
 - Color: dark gray.
 - Clip type: M-2, stainless steel, four per tread.
- j) Concrete: Provide Type I or Type II Concrete for exposure class F2, conforming to the following:
 - Cement content = 611 pounds per cubic yard minimum.
 - Water/cement ratio = 0.45 maximum.
 - Slump = 5 inches maximum.
 - Air content = $5-\frac{1}{2}$ % ± $1-\frac{1}{2}$ %.
 - Coarse aggregate = AASHTO M43 with 100% passing 1.5" sieve.
 - 28-day compressive strength = 4000-4500 psi minimum.
 - Do not use calcium chloride or admixtures containing chloride from sources other than impurities in admixture ingredients.
 - Provide ASTM A615 GR 60 steel reinforcing bar.
- k) Fasteners: For bolts, all-thread, nuts, and washers, provide ASTM type A325 steel hardware (per ASTM specification F3125) unless otherwise noted. All hardware shall be hot-dip galvanized unless otherwise noted. Use washers under bolt heads and nuts. All connections shall be snug-tightened. Ensure compatibility with pressure treated lumber, where applicable, and separate dissimilar metals with uv-stabilized, non-compressive, non-reactive washer, gasket, or other appropriate, physical separation.

- I) Window frame type: Vinyl. The window sash shall slide open as indicated in the drawings. The frame color shall be selected by NFF/USFS from the manufacturer's full palette (white is not desirable). Hardware shall allow for securing windows in a fully-shut position that prevents air leakage, allow for sliding operation when disengaged, and be of an acceptable and durable quality, subject to NFF/USFS inspection and approval.
- m) Window glazing type: Low E, Double Pane, Tempered.
- n) Exterior door material: Fiberglass.
- o) Exterior door style: Standard, non-paneled with undivided half-lite (no muntins).
- p) Exterior door color: Dark brown or as approved by NFF/USFS from the manufacturer's full color palette. Submit color samples for approval.
- q) Exterior door locksets: Commercial grade, non-locking round knob passage locksets on the exterior with matching ABA-compliant lever lockset on the interior.
- r) Roof: Roofing panels shall be standing seam metal roof, formed from minimum 24-gauge hot-dipped coated steel with manufacturer baked-on paint finish (undercoats and topcoats). All cuts shall be factory cut-and-finished before delivery and installation. Flashing shall be fabricated from the same material and finish. Color: Brown (submit color sample to NFF/USFS for approval prior to purchasing).
- s) Clamp-on snow stops: installed on roof edges and above the chimney per manufacturer's directions to protect from sliding snow. Fasteners should not penetrate the roof. Fasteners should be clamp-on style that attach to the standing seam ridges on the roof. Exact snow guard model, size, location, and quantity shall be approved by the designer of record. Written certification for the type of roof and environmental conditions is required from the snow guard manufacturer. An example of an acceptable manufacturer is S-5!, with ColorGard and DualGard being acceptable products.
- t) Insulation: Floor and ceiling insulation, R-20 minimum (equivalent to 4" XPS foam board). For cold roofs, use R-30 minimum insulation, unless specified otherwise in Attachment C. Insulation should be foam board, unless approved otherwise, and must be installed in a manner that is resistant to mold, moisture, pests (termites, mice, squirrels, birds, etc.).
- u) Roof Layup and Ventilation: Unless otherwise specified in Attachment C, design roof layup and ventilation appropriately for roof system (hot or cold roof). For cold roofs, install roof ridge ventilation with ridge cap. Provide a minimum of 2 inches of air space between top of insulation and the back of roof sheathing to create a tight airspace. Provide roof ventilation cover for critter entrapment.

3. Project Requirements

Project work must be accomplished in accordance with the following:

- All designs will be based on information provided in the Site Specification sections for each cabin and discussions with NFF/USFS.
- The final designs (specifications, drawings) will be in Word and AutoCAD (file format *.doc or *.dwg), and Adobe (*.pdf). They will need to be stamped by an Alaska registered Architect or Professional Engineer.
- Shop drawings shall bear the stamp of an Alaska registered Architect or Professional Engineer. Calculations shall be prepared and stamped by a Professional Engineer registered in the state of Alaska.
- Designs must follow Forest Service Outdoor Recreation (FSORAG) accessibility guidelines and meet ABA Accessibility Standards.

- All designs must meet the most current International Building Codes requirements.
- Submit manufacturer's color samples for all products where color choices are available, such as roofing, windows, and doors.
- Submit all material and product certifications as required in by designer's specifications for construction materials such as aggregate gradation and results of concrete testing.
- Receive approval for areas to dispose of clearing and grubbing material, out of sight of cabin site and nearby trails (see Attachment C, Other Project Information).
- Implement methods to contain, clean up, and dispose of all construction related (including camp facilities) debris, and discharges of petroleum products and/or other materials hazardous to the land, air, water and wildlife. Ensure all fueling operations occur in a safe and environmentally responsible manner. Comply with the requirements of 18 AAC 75 and AS 46, Oil and Hazardous Substances Pollution Control.

4. Government Furnished Materials

The USFS will furnish the Cabin Identification Sign to be installed at the site by the Contractor. See Attachment C for additional GFM, if any.

5. Required Contractor Submittals

The Contractor shall provide submittals throughout the project, including:

- 1. Design Submittals: See 6. Required Design Submittals and Procedures for requirements
- 2. Project Schedule: Provide a timeline that outlines major milestones for design, pre-construction submittals, material procurement, construction, and inspections.
- 3. Safety Plan: Include work site safety and in addition, bear safety and food and garbage storage.
- 4. Fire Safety Plan: Including but not limited to information on how both planned and unplanned fires will be proactively managed for prevention, fire fighting and evacuation. For planned burns, specifically identify approximate location, number, size, and containment methods. For unplanned burns, identify protocols for managing both containable and uncontainable events. Follow applicable OSHA regulations including crucial emergency procedures such as regular fire safety checks, fire safety training, fire department notification, and evacuation plan.
- 5. Mobilization/Demobilization Plan: Describe when/how personnel, equipment and materials will be transported from place of origin to the work site and back. Also identify any necessary coordination with utility providers as well as any mobilization to and from any off-site facilities used for assembly. Outline key events in a clear timeline and identify elements requiring time-critical coordination.
- 6. Communication Plan: Include communication plan for remote construction sites to coordinate inspections and project requirements.
- 7. Site Security Plan: Including but not limited to securing the site from the public, bears and other wildlife, minimizing impacts to existing wildlife and known bear routes, and safety protocol for human and bear interactions.
- 8. Site Usage and Operations Plan: Including but not limited to site access, types of equipment, use areas, and travel routes, equipment storage, hazardous materials storage, power generation, laydown and materials storage, helicopter operating areas, shop facilities, construction operations within sensitive areas.

- protection measures for sensitive areas to be protected, timing of all operations and use areas.
- 9. Camping Plan: Including but not limited to location and type of crew camp, cooking facilities and storage, sanitation and water, and on-site power generation.
- 10. Site Restoration Plan: Including but not limited to, the clean-up and restoration of all areas impacted by construction operations and returning to a condition equal to or better than prior to construction activities. This includes any impacts to existing trails and related recreation facilities.
- 11. Tree Protection Plan: Indicate how trees will be differentiated between those that will be removed and those that will be protected.
- 12. Erosion and Sedimentation Control Plan (ESCP): See 7. Erosion and Sedimentation Control Plan (ESCP) for requirements.
- 13. Invasive Species Management Plan (ISMP): See 8. Invasive Species Management Plan (ISMP) for requirements.
- 14. Cabin Kit Shop Drawings.

6. Required Design Submittals and Procedures

- a) Guidelines for 30%, 60%, and 90% submittals will be distributed to the contractor. Required design submittals include:
 - 1. Interim Design Submittal (60%):
 - i. Include the main structural member calculation.

b)

- 1. Final Design Submittal (90%):
 - Include a complete structural calculation and construction schedule, which may include any special inspections and a long-lead item procurement schedule.
- 2. Design Complete Submittal (100%):
 - i. Include provided title block with final drawings after review conferences and approval.
- c) The mill order submission requires structural calculations, especially if not included in the 60% structural calculation submission. Cabin cut list cannot be approved until primary roof, wall, and foundation components have been checked by a structural engineer via calculations using current codes.
- d) After the final design submission and review conference of the design package, revise the design package to incorporate the comments generated and resolved in the final review conferences, perform and document a back-check review and submit the final, design complete documents, which represents "Released for Construction" documents.
- e) A detailed schedule of submittals will be outlined by the Contractor for review and approval during a pre-work meeting with the Contractor, the NFF and USFS.
- f) All submittal drawings and calculations shall bear the stamp or signature of qualified personnel.
- g) A design brief shall be submitted prior to the 60% design submittal and shall include the design management approach and any design and/or construction concerns or constraints due to schedule, budget, materials, constructability, transport, etc.
- h) Provide design submittals in a timely manner to ensure sufficient time (90 days) to complete all required reviews prior to seeking "Notice to Construct." The Contractor should propose a timeline with 60%, 90%, and 100% design for review and discussion. The NFF and USFS require submitted designs to be reviewed and approved by the

- USFS. To facilitate this process, design levels of 60% and 90% completion are required to ensure work will not progress too far on a design not likely to meet approval.
- i) The NFF and USFS will review the design submittal and, within 10 working days, provide a written response to the Contractor outlining any corrections to the proposed working drawings. The Contractor will then have 10 working days to submit the corrected shop drawings for approval.
- j) Comments for drawings and specifications will be tracked and updated using comment collector sheets provided by NFF/USFS. The contractor is responsible for reconciling comments and back-checking between subsequent submittals, or risk rejection of the submittal without further review.
- k) Product submittals, data sheets, and shop drawings shall be submitted using a submittal form provided by NFF/USFS. Other methods may be used upon prior approval.
- I) Fast track design and construction will be permitted on this project. Fast-tracking may include preliminary designs to facilitate the ordering of long-lead materials for cabin walls or other needed materials and preliminary site work. Fast-track designs (including stamped sets of associated specifications, drawings, and calculations) must be submitted and approved in advance of placing orders or mobilizing, and shall allow 5-10 working days for NFF and USFS to review and approve.
- m) Pre-Construction Meeting: Site construction may only commence via a "Notice to Construct" upon mutual approval of the construction documents, work plans and schedule. Upon final approval of all design documents and submittals, but prior to construction, the Contractor, including the lead construction representative/field superintendent to be involved in construction, shall meet with NFF/USFS for final review of the approved "released for construction" documents including but not limited to drawings, specifications, work plans (see 5. Required Contractor Submittals), permits and product submittals. Scheduling shall also be reviewed and mutually approved prior to site mobilization and construction.

7. Erosion and Sedimentation Control Plan (ESCP)

Base the ESCP to prevent erosion and to trap all sediment before it leaves the project site. Address all ground disturbing activities required by the contract as well as those planned for your operations. Provide the following information in the ESCP:

- a) A Site Map displaying the following:
 - Approximate locations of drainage patterns and nearby water bodies are likely to receive discharges from disturbed areas of the project.
 - Approximate areas of soil disturbance.
 - Proposed locations, quantities, and types of erosion and sediment control methods.
- b) A Written Narrative briefly describing the proposed control measures to be implemented at the construction site, and off-site areas if necessary.
- c) Clearly describe for each major activity, appropriate control measures and the period during the construction process that the measures will be implemented.
- d) Ensure that all temporary or permanent erosion and sediment control materials do not introduce non-native or invasive species. The use of straw bales and other materials that may introduce any weed seeds or that may result in the germination of an invasive is prohibited. Certified weed-free straw products may be permitted at the discretion of NFF/USFS.
- e) Specifically address your plan for controlling and managing erosion and sedimentation during construction at the following locations:
 - All construction adjacent to existing drainages, streams, lakes, water bodies, wetlands, and other sensitive areas.
 - Designated disposal sites and material sites.

- Any additional sites which may be sensitive due to the proposed construction operation (including Contractor supplied material and disposal sites, staging areas, and stockpile locations).
- Inspections. Identify the Contractor personnel responsible for inspection of the project's erosion and pollution control measures.
- Responsible Party. Clearly identify for each measure shown in the plan, the Contractor and/or subcontractors that will implement and maintain the measure.

8. Invasive Species Management Plan (ISMP)

The Contractor shall develop an invasive species management plan to prevent the spread of invasive species to this area, including avoidance techniques and methods for removal of invasive species should they be found. The management plan shall also address the monitoring for invasive species. The plan is to be approved by NFF/USFS, prior to beginning work. All plans shall be for the duration of the project. Provide the following information in the ISMP:

- a) Temporary Environmental Control.
 - Ensure that invasive species contamination does not occur from equipment, materials, and tools used during construction. Thoroughly wash all equipment and tools prior to arriving at Project area. See Equipment Cleaning. Remove all soil, debris, and other material that could contain seed or vegetative material from another site. Inspect materials being delivered to the Project.
 - Where invasive species are not known to exist within the project area but have been found in adjacent areas, take precautions to prevent the spread of invasive species into the project area. If invasive species are found within the project area, Contractor shall notify USFS.
 - All imported construction materials including, but not limited to, soils, aggregates, rock, gravel, sand, and straw, shall be weed-free, and certified or approved as such prior to being transported to the project area. Provide certification to NFF/USFS.
 - Weed-free is defined as either:
 - Certified weed-free by the Alaska DNR Division of Agriculture (available from local Soil and Water Conservation District), or
 - Originating from a source that has been inspected and approved by USFS as being weed-free.
 - Any invasive species introduced by the Contractor to the Project shall be removed immediately at no expense to NFF. Remove the entire plant including all roots and plant parts that break off during excavation. Contain plants, roots, plant parts, and any related soil required for full removal in sealed plastic bags and dispose of legally in an off-site landfill.

b) Equipment Cleaning.

- All construction equipment shall be pressure washed before entering National Forest System lands. The removal of mud and debris from treads, tracks and undercarriage, with emphasis on axles, frame, cross-members, motor mounts, and underneath steps, running boards, and front bumper/brush-guard assemblies will be required. The purpose is to reduce or eliminate the transportation of noxious weeds, which is required by Federal and State regulations.
- Contractor shall advise USFS of its cleaning measures and make the equipment available for inspection prior to mobilization to project site. USFS shall have 3 days, excluding weekends and Federal holidays, to inspect equipment after it has been made available. After satisfactory inspection or after such 3-day period, Contractor may move the equipment as planned. Equipment shall be considered clean when a visual inspection does not disclose seeds, soil, vegetative matter, and other debris

that could contain or hold seeds. Contractor shall not be required to disassemble equipment unless directed to do so by USFS.

- c) Landscape Preservation.
 - Wash and inspect tools, materials, and construction equipment prior to first entering the project area, or before re-entering the project area after use in another area that is infested by invasive plants.
 - All imported materials shall comply with weed-free requirements.
 - Use natural fiber matting such as coconut fiber for erosion control as an alternative to straw products.
 - Ensure all equipment is clean of aquatic invasive species, as well as oil and grease, and is well maintained.

9. Project Completion

The Contractor is responsible for providing a complete and usable cabin and site upon completion of this project. The Contractor is responsible for a high level of workmanship in the execution of work. Inspection of work shall be performed periodically while work is being performed and prior to Contractor leaving the site. NFF/USFS will conduct these inspections and provide final acceptance of the work.

IMPORTANT NOTE

DRAWINGS ARE SCHEMATICAL ONLY AND SHALL NOT BE TAKEN AS FINAL DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE DESIGN PER REQUIREMENTS LISTED IN THE ACCOMPANYING CABIN SPECIFICATION

APPENDICES/ATTACHMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ROOF FRAMING, ROOF DECKING, WALL FRAMING, WALL BRACING WITH WIND GIRTS, ROOF RIDGE VENTILATION, RAMPS, FOUNDATIONS OR ANY OTHER ARCHITECTURAL AND STRUCTURAL COMPONENTS THAT NEED FURTHER DESIGN IN ORDER TO COMPLY WITH LISTED REQUIREMENTS.

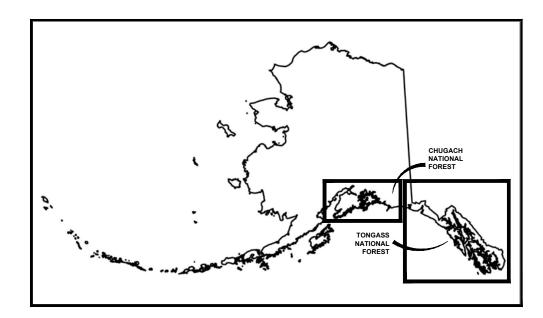
FINAL DESIGNS MUST BE COMPREHENSIVE ENOUGH TO SERVE AS STANDALONE DESIGNS FOR DESIGN-BID-BUILD PROJECTS AT SIMILAR LOCATIONS.



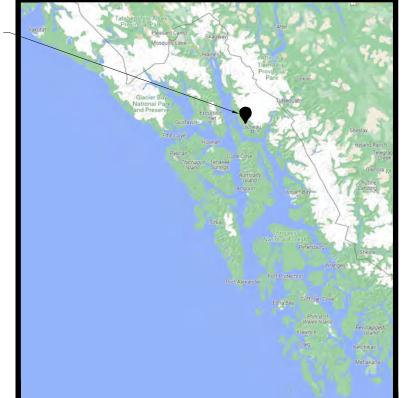
United States Department of Agriculture Forest Service

ALASKA JUNEAU (R10) ALASKA REGION CHUGACH & TONGASS

STANDARD CABIN LAYOUTS 16' X 20' SQUARE LOG CABIN - FULL LOFT



MENDENHALL CABIN, 14 MILES NORTHWEST OF DOWNTOWN JUNEAU, AK



ATTACHMENT B

FOREST LOCATION MAP

TRAVEL DIRECTIONS:

CABINS LISTED BY NEAREST FOREST SERVICE RANGER DISTRICT. NEW CABINS GENERALLY LOCATED NEAR EXISTING ROAD SYSTEM; ANAN CABIN ACCESSIBLE ONLY BY BOAT/FLOAT PLANE.

APPROXIMATE LATITUDE AND LONGITUDE LISTED HERE, AS WELL AS GENERAL SNOW, WIND AND SEISMIC LOADS.

THIS PROJECT —	FOREST	RANGER DISTRICT	NEW OR REPLACE	CABIN NAME	LATITUDE	LONGITUDE	Ground Snow Load (lb/sf)	Wind Load (mph)	Seismicity (PGA
(FY24-FY25)	CHUGACH	SEWARD	NEW	PORCUP:NE CAS.N	60.931178	-149.653997	70	135	0.56
(1.124.1.120)	∠ CHUGACH	SEWARD	NEW	MERIDIAN LAKE CAB-M	60.284969	149.364758	200	156	0.56
	TONGASS	JUNEAU	NEW	MENDENHALL CAMPGROUND CABIN	58.413572	-134.583002	70	129	0.34
/	r TONGASS	KETCH KAN	NEW	SIGNAL CREEK CABIN WARD LAKE	55.408190	-131.701500	55	143	0.16
SEPARATE PROJECTS	TONGASS	PRINCE OF WALES	NEVY	EL CAP-TAN CABIN	55.160945	-133.312333	40	145	0.20
(FY23-FY24)	LTONGASS	WRANGELL	REPLACEMENT	ANAN SAY CABIN	55.186569	-131.886390	100	138	0.12
NOT IN THIS CONTRACTI	Securiosal	Source:	Atarka Soou Loadr —	- Structural Legendors Association of Alasi	ta translinat	n			

Microsoft Word - AX SEAAK Snow Toad White Paper December 2019 vS.dorx (squarespace.com)

AK Snow Station Data (Sunrise Station for Porcupine Cabin, Grouse Creek Divide WESD for Meridian Cabin)

PROJECT LOCATION MAP

SHEET TITLE SHEET DATE COVERSHEET 06/07/2024 FLOOR PLAN EXTERIOR ELEVATION: FRONT & BACK EXTERIOR ELEVATION: LEFT SIDE EXTERIOR ELEVATION: RIGHT SIDE EXTERIOR ELEVATION: OPTION INTERIOR CROSS SECTION DECK DETAILS INTERIOR DETAILS: COUNTER, SHELVES & BEDS INTERIOR DETAILS: TABLE INTERIOR DETAILS: BENCHES EXTERIOR DETAILS: PORCH BENCHES EXTERIOR DETAILS: PICNIC TABLE EXTERIOR DETAILS: FIRE RING EXTERIOR DETAIL: WOODSHED

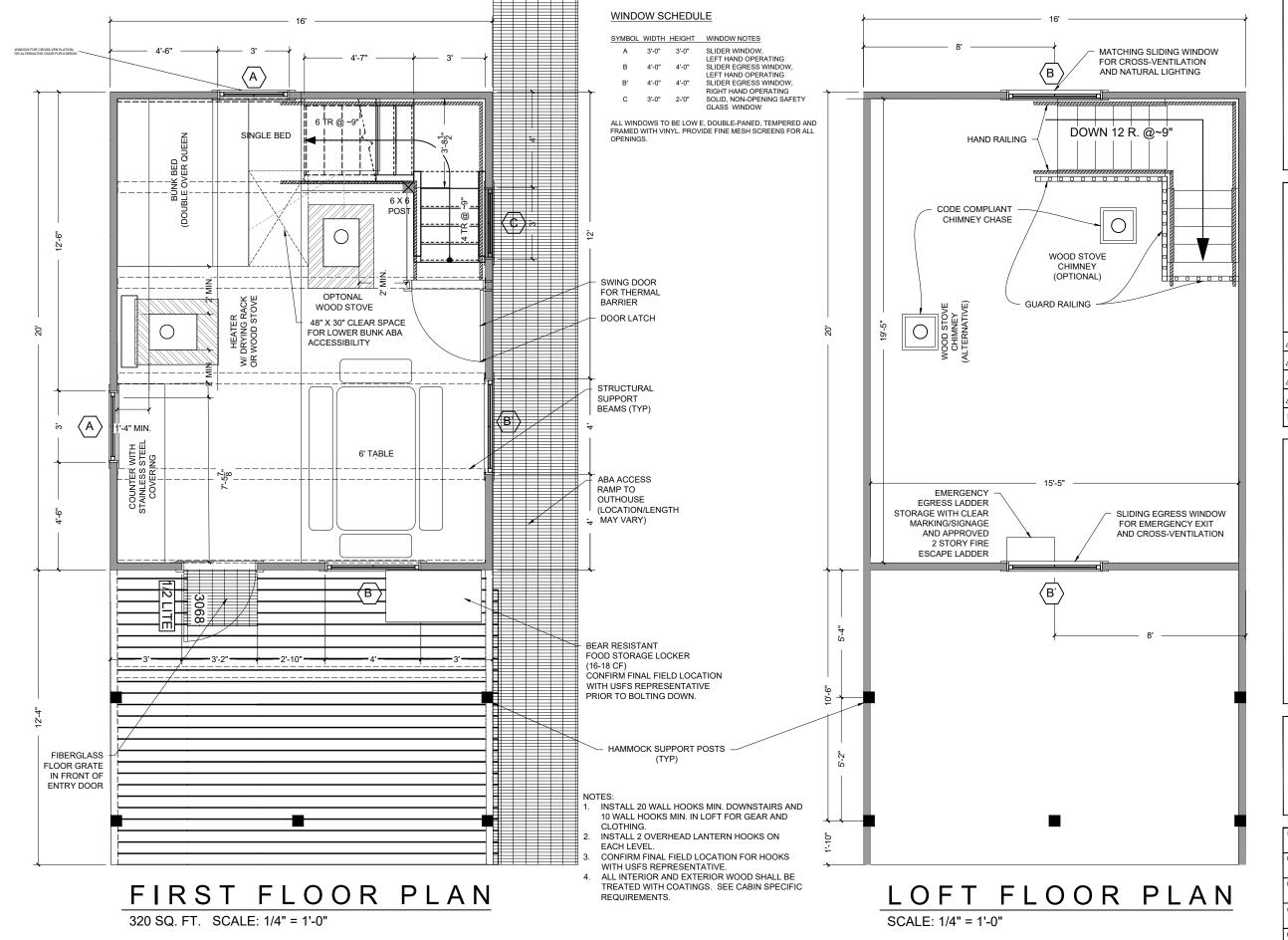
INDEX OF SHEETS

RECOMMENDED BY:	
DISTRICT RANGER	DATE
FOREST RECREATION STAFF OFFICER	DATE
FOREST ENGINEER	DATE
FOREST SUPERVISOR	DATE
RO DESIGN & CONSTRUCTION PROGRAM LEADER	DATE
APPROVED:	
DIRECTOR OF ENGINEERING	DATE
DIRECTOR OF RECREATION	DATE

SHEET 01 OF 15

Wind and Seismic Source:

https://asce7hazardtool.online/



USDA FOREST SERVICE US ARRICOS SERVICE (R10)

ALASKA REGION

STAMPS, LOGOS, AND SEALS

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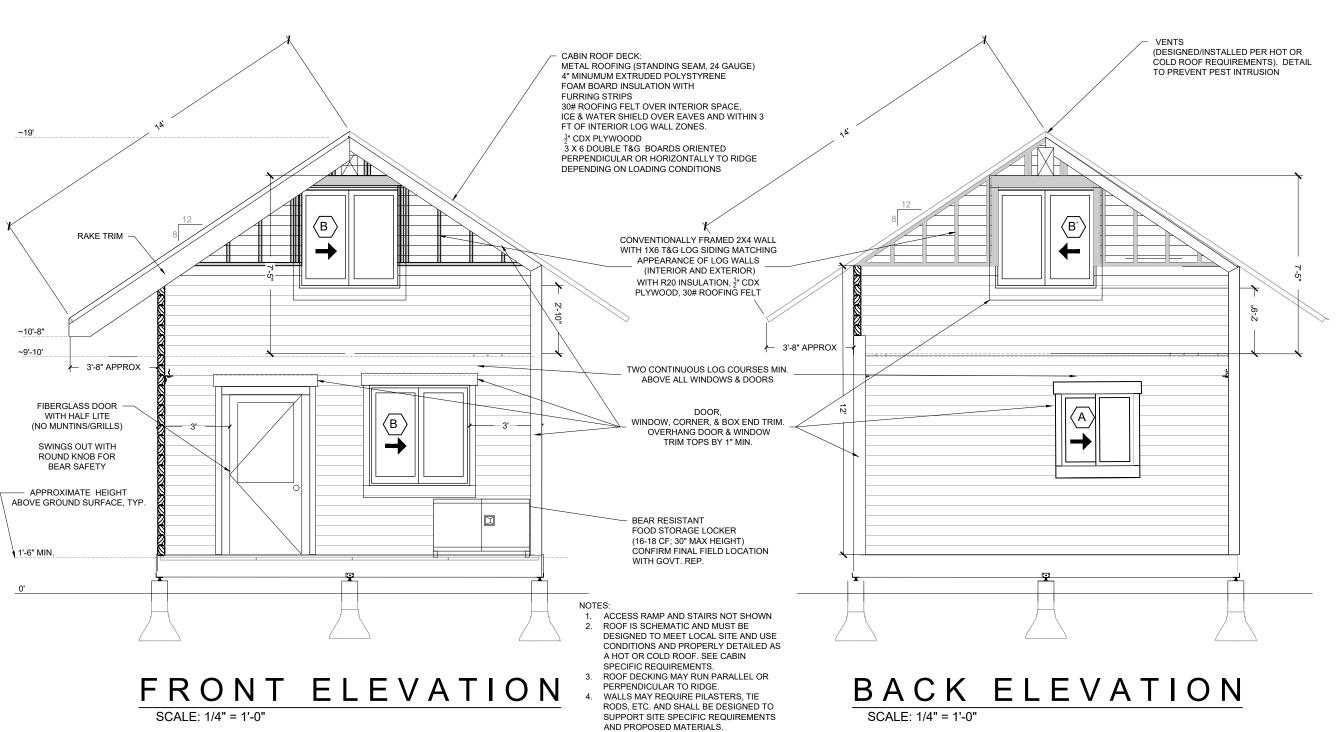
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STANDARD
CABIN LAYOUTS

16'X20' CABIN SINGLE STORY
CHUGACH & TONGASS

FLOOR PLAN

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CHECKED J.KING)		
PROJECT NO.		SHEET 02	OF 15





Forest Service
(R10)

ALASKA REGION

STAMPS, LOGOS, AND SEALS

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 NO.
 REVISION / ISSUE

 DATE

PROJECT NAME

STANDARD CABIN LAYOUTS

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

REGION 10 ALASKA

DRAWING TITLE

EXTERIOR ELEVATION: FRONT AND BACK

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DE	SIGNER L.KELL	v	DRAWING SI	HEET NO.
DR	DRAWN L.KELLY		A-	02
СН	J.KING	}		
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(R10) ALASKA REGION

STAMPS, LOGOS, AND SEALS REVISION / ISSUE

> **STANDARD CABIN LAYOUTS**

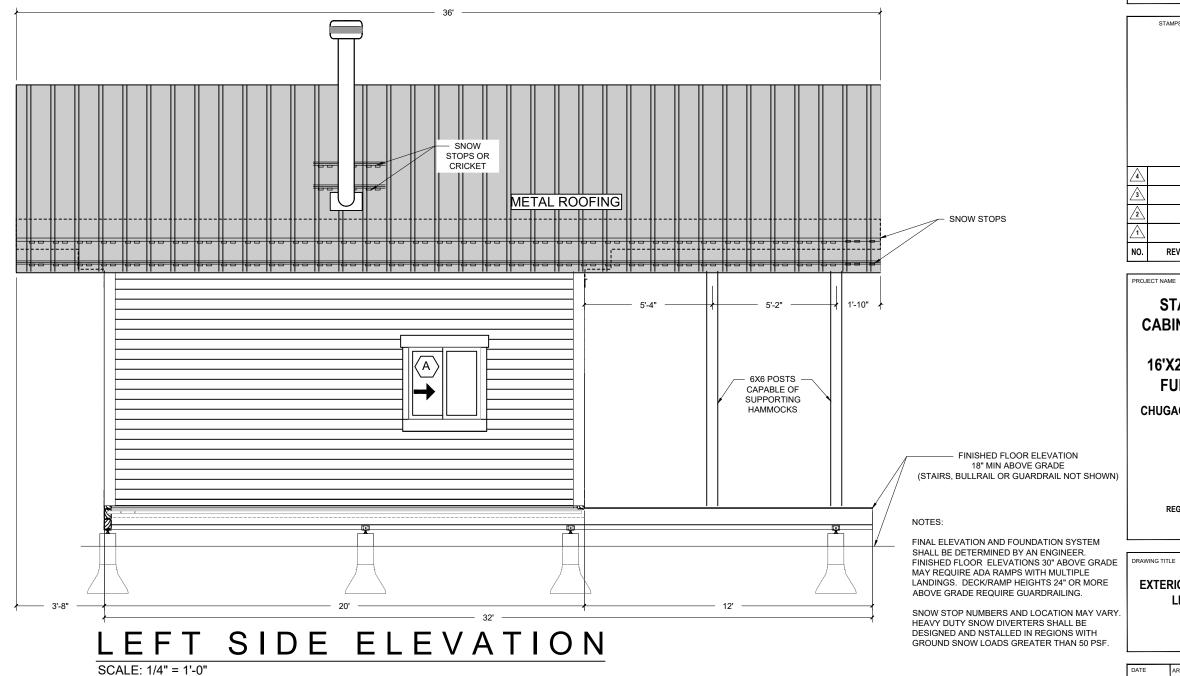
16'X20' CABIN -**FULL LOFT**

CHUGACH & TONGASS

REGION 10 ALASKA

EXTERIOR ELEVATION: LEFT SIDE

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PROJECT NO.		SHEET 04 OF 15	





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Forest Service

STAMPS, LOGOS, AND SEALS

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STANDARD CABIN LAYOUTS

PROJECT NAME

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

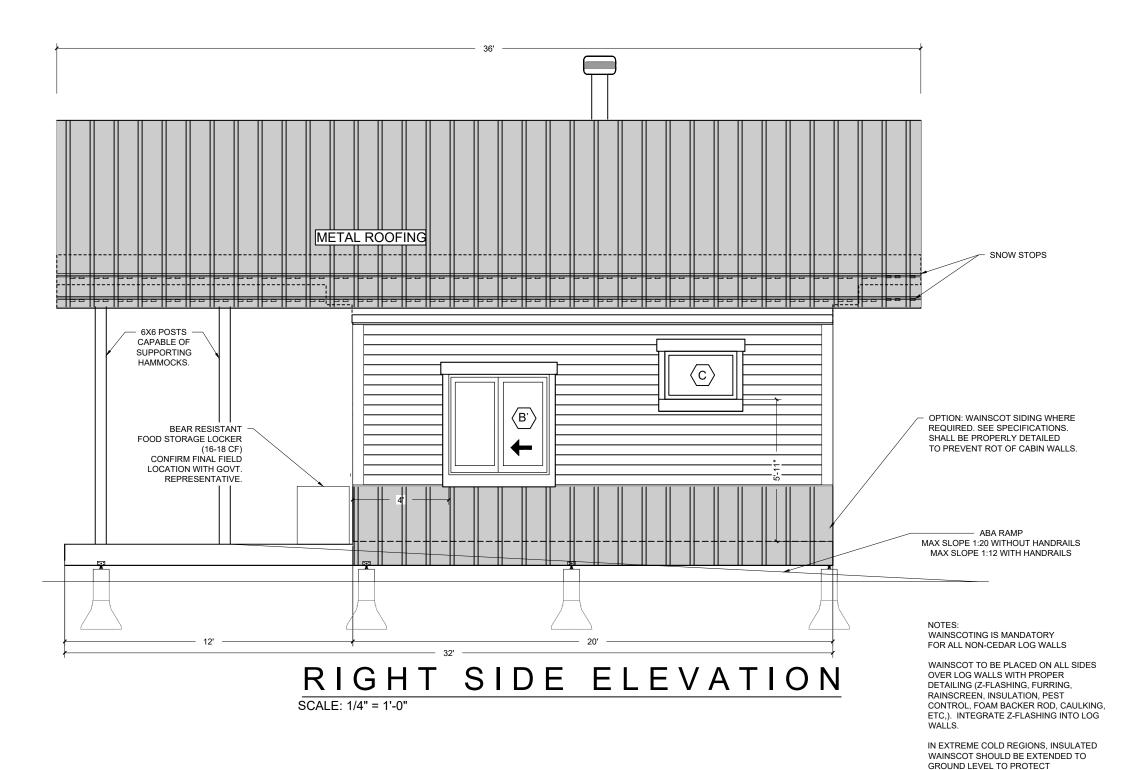
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EXTERIOR ELEVATION: RIGHT SIDE

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United States Department of Agriculture Forest Service

> (R10) ALASKA REGION

STAMPS, LOGOS, AND SEALS

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PROJECT NAME

STANDARD CABIN LAYOUTS

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

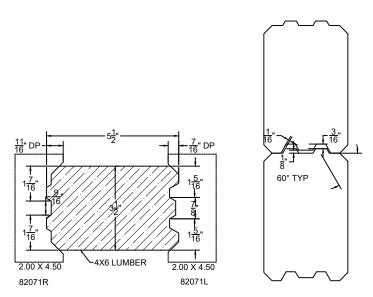
REGION 10 ALASKA

DRAWING TITLE

FOUNDATION FROM FROST HEAVE.

EXTERIOR ELEVATION: RIGHT SIDE (OPTIONAL WAINSCOT)

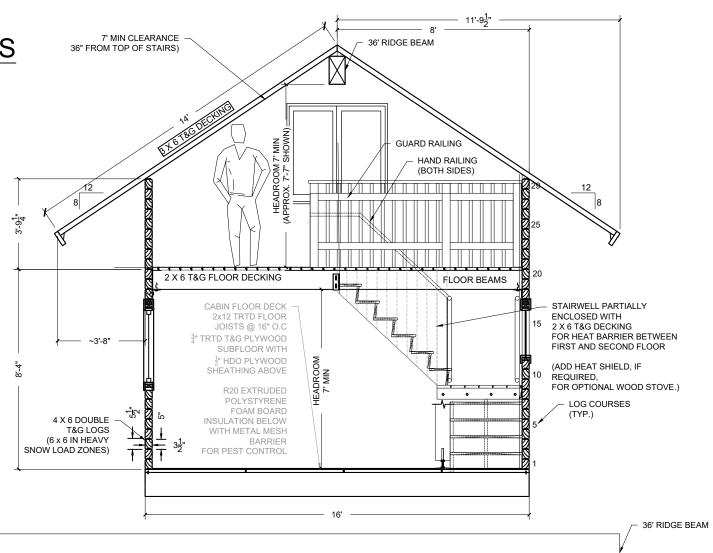
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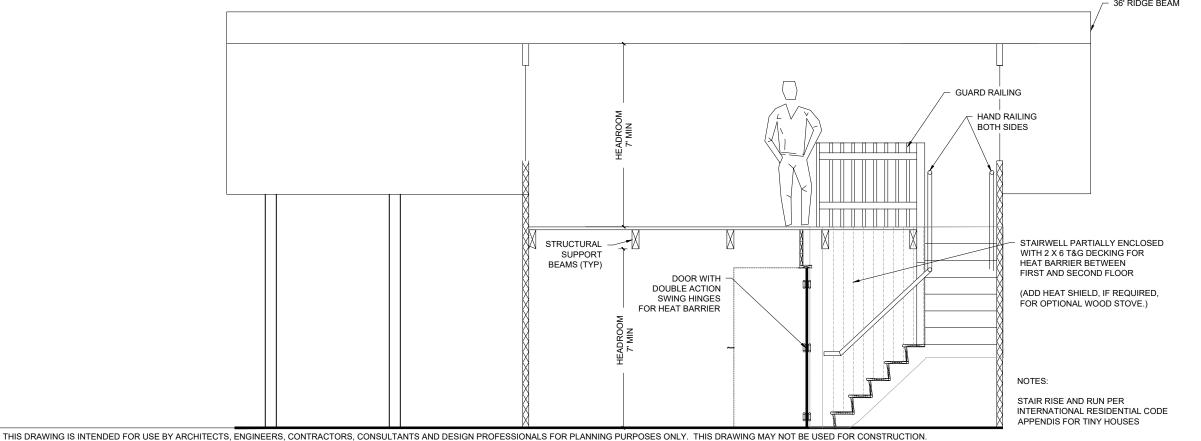


4X6 LOG DETAILS

SCALE: NT

THIS TONGUE AND GROOVE PATTERN IS ACCEPTABLE FOR FOREST SERVICE CABINS IN ALASKA. MINOR CHANGES TO SPACING, DEPTH OF CUT AND CURVATURE OF THE FRONT FACE OF THE LUMBER MAY BE ACCEPTABLE BUT ANY DEVIATION MUST BE APPROVED BY THE FOREST SERVICE/NATIONAL FOREST FOUNDATION BEFORE PROCESSING ANY LUMBER.







United States Department of Agricul Forest Service

> (R10) ALASKA REGION

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STANDARD CABIN LAYOUTS

PROJECT NAME

16'X20' CABIN -FULL LOFT

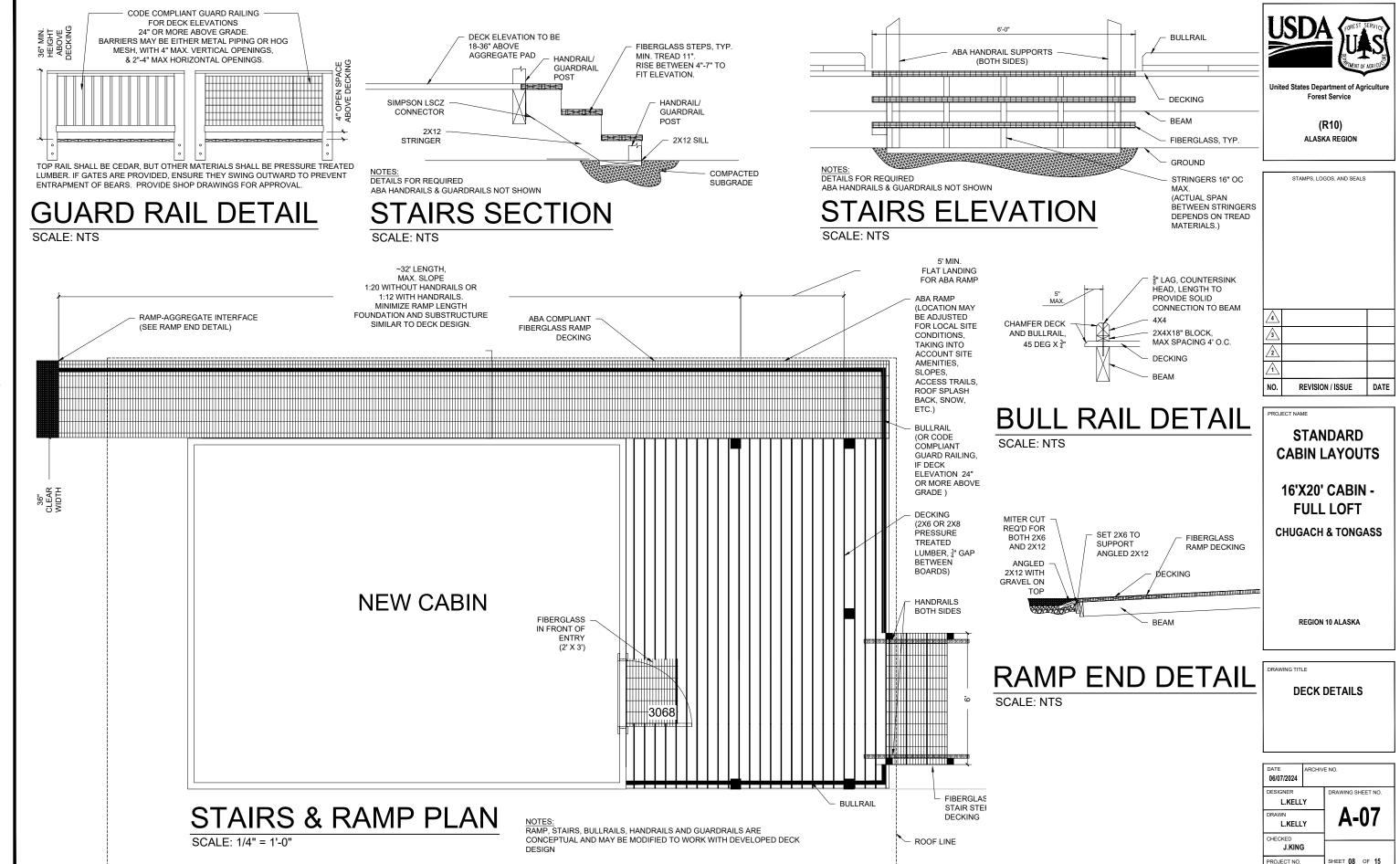
CHUGACH & TONGASS

REGION 10 ALASKA

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INTERIOR CROSS SECTIONS

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CHECKED J.KING	;	
PROJECT NO.		SHEET 07 OF 15



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67724 10:16 LAURAKELLY C: USERSILAURAKELLYONEDRIVE - USDAIDO CUMENTS/2023/STANDARD CABIN DE SIGNS/10:NEW STANDARD CABINS/16:X29 SQ LOG CABIN-FULL LOFT-MENDE



QTY DESCRIPTION

3 EA. 1X8X8" UNTREATED DIM LUMBER #1 OR BTR, S4S

8 EA. 2x6x8' UNTREATED DIM LUMBER #1 OR BTR, S4S

1 EA. 4X4X4' UNTREATED DIM LUMBER #1 OR BTR, S4S

2 EA. 2X2X8' UNTREATED DIM LUMBER #1 OR BTR, S4S

3 EA. 4X8 SHT. $\frac{3}{4}$ " AC PLYWOOD, A SIDE UP

5 LBS 16d BOX NAILS

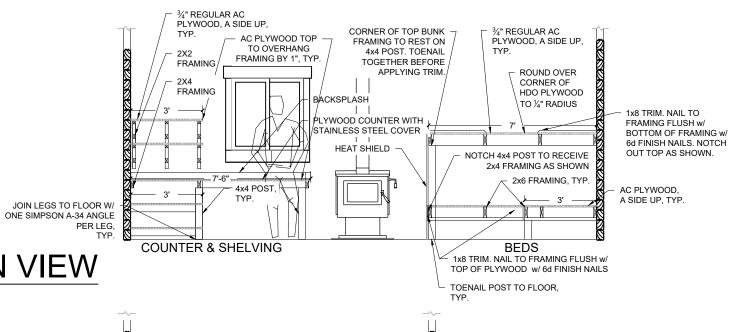
2 LBS 6d (2-1/2") FINISH NAILS

4 LBS 2" DECKING SCREWS, FOR AC PLYWOOD 1/2 GAL. WOOD FINISH, SAME AS CABIN INTERIOR.

NAIL LEDGER TO WALL AC PLYWOOD TOP TO OVERHANG FRAMING 2 EA. TOP SHELVES BY 1". TYP. W/ 3 EA. 1x1 KNEE BRACES, TYP. FOUAL FOUAL FOUAL 0 NAIL FRAMING TO BUNK CABIN WALL, TYP. COUNTER WITH ALL BUNKS BOTTOM STAINLESS SHELVES BUNK STEEL COVER HEAT SHIELD 4x4 POST, 2 EA. BOTTOM SHELVES 4x4 POST, JOIN LEGS TO FLOOR W/ ONE SIMPSON A-34 ANGLE 1x8 TRIM 34" AC PLYWOOD, A SIDE UP PER LEG, 2x6 FRAMING TYP. w/ 16d NAILS SINGLE BED

PLAN VIEW

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



MATERIAL LIST

QTY DESCRIPTION

SEE NOTE ¾" OR 1½" AC PLYWOOD. SUFFICIENT CUT OFFS SHOULD BE LEFT OVER FROM THE CONSTRUCTION OF THE BUNKS, COUNTERS, TO BUILD ALL SHELVES.

100 EA.#8 x 2" DECKING SCREWS FOR ASSEMBLY

AC PLYWOOD TOP TO OVERHANG FRAMING BY 1"

5'-6"

5'-6"

BEDS

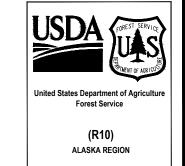
COUNTER & SHELVING

PROFILE VIEWS

SECTION VIEW

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

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



	STAMPS, LOGOS, AND SEAL	S
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STANDARD
CABIN LAYOUTS

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

REGION 10 ALASKA

DRAWING TITL

INTERIOR DETAILS: COUNTER, SHELVES & BEDS

DATE 06/07/2024	ARCHIVE NO.	
DESIGNER L.KELL	Y	DRAWING SHEET NO.
DRAWN L.KELLY		A-08
CHECKED J.KING		
PROJECT NO.		SHEET 09 OF 15

CONSTRUCT ONE 6 FT LONG TABLE FOR THE CABIN

MATERIAL LIST

SUFFICIENT MATERIAL FOR EITHER 5' OR 7' LONG TABLE

QTY DESCRIPTION

2 EA. 4x4x8' UNTREATED DIM LUMBER #1 OR BTR, S4S

3 EA. 2x4x8' UNTREATED DIM LUMBER #1 OR BTR, S4S

5 EA. 2x6x 5' or 7' UNTREATED DIM LUMBER #1 OR BTR, S4S

4 EA. ³/₈" x 8½" GALV. CARRIAGE BOLTS

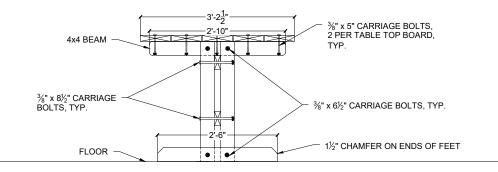
8 EA. $\frac{3}{8}$ " x $6\frac{1}{2}$ " GALV. CARRIAGE BOLTS

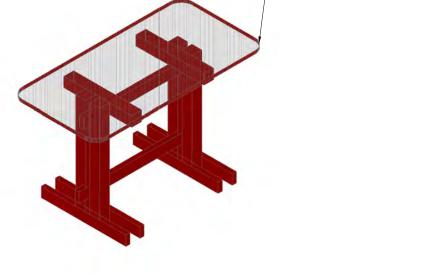
10 EA. $\frac{3}{8}$ " x 5" GALV. CARRIAGE BOLTS

22 EA. 3/8" GALV. WASHERS

22 EA. 3/8" GALV. NUTS

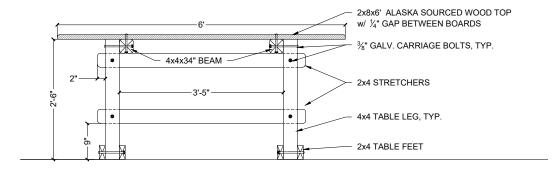
1/4 GAL. WOOD FINISH, SAME AS CABIN INTERIOR.





ROUND CORNERS TO 2" RADIUS

ISOMETRIC VIEW NOT TO SCALE



END VIEW

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





United States Department of Agricultu Forest Service

> (R10) ALASKA REGION

STAMPS, LOGOS, AND SEALS		
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NO.	REVISION / ISSUE	DATE

PROJECT NAME

STANDARD CABIN LAYOUTS

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

REGION 10 ALASKA

DRAWING TIT

INTERIOR DETAILS: TABLE

DATE 06/07/2024	ARCHIV	E NO.
DESIGNER L.KELLY		DRAWING SHEET NO.
DRAWN L.KELLY		A-09
CHECKED J.KING		
PROJECT NO.		SHEET 10 OF 15

FOR THE 6'-0" TABLE CONSTRUCT:

2 EA. 6'-0" SIDE BENCHES 2 EA. 3'-0" END BENCHES

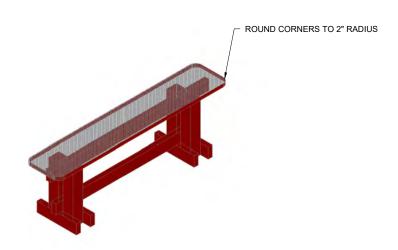
MATERIAL LIST

SUFFICIENT MATERIAL FOR A SET OF FOUR 4' BENCHES

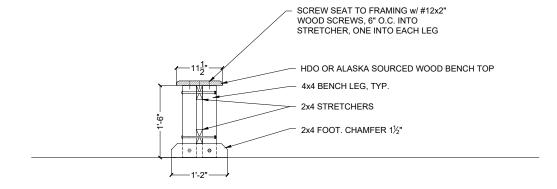
QTY DESCRIPTION

16 EA. 2x6x8' UNTREATED DIM LUMBER, #1 OR BTR, S4S 104 EA. #10 x 2-1/2" EXTERIOR DECKING SCREWS (ACQ RATED).

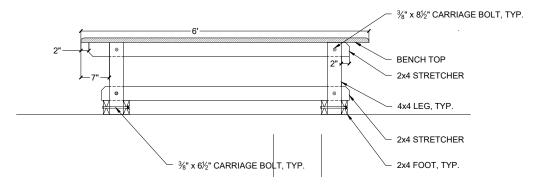
1 QT. WOOD FINISH, SAME AS CABIN EXTERIOR.



ISOMETRIC VIEW NOT TO SCALE







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



(R10) ALASKA REGION

STAMPS, LOGOS, AND SEALS

STANDARD

CABIN LAYOUTS

REVISION / ISSUE

16'X20' CABIN -FULL LOFT

CHUGACH & TONGASS

REGION 10 ALASKA

DRAWING T

INTERIOR DETAILS: BENCHES

DATE 06/07/2024 ARCHIVE NO.

DESIGNER L.KELLY

DRAWN
L.KELLY

CHECKED
J.KING

PROJECT NO.

SHEET 11 OF 15

FOR THE 4'-0" CEDAR BENCH CONSTRUCT:

4 EA. 4'-0" PORCH BENCHES

OUTSIDE END VIEW

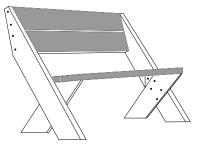
MATERIAL LIST

SUFFICIENT MATERIAL FOR A SET OF FOUR 4' BENCHES

QTY DESCRIPTION

16 EA. 2x6x8' UNTREATED DIM LUMBER, #1 OR BTR, S4S 104 EA. #12 x 2-1/2" EXTERIOR WOOD SCREWS (STAINLESS)

1 QT. WOOD FINISH, SAME AS CABIN EXTERIOR



ISOMETRIC VIEW

2x6 BENCH BACK

BOARDS (TYP.)

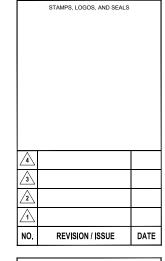
2x6 BENCH SEAT

BOARDS (TYP.)

PRE-DRILL & ASSEMBLE W/ 2-1/2" EXTERIOR

WOOD SCREWS (TYP.)

NOT TO SCALE



Forest Service

(R10)

ALASKA REGION

PROJECT NAME

STANDARD CABIN LAYOUTS

16'X20' CABIN -**FULL LOFT**

CHUGACH & TONGASS

REGION 10 ALASKA

EXTERIOR DETAILS: PORCH BENCHES

DRAWING TITLE

06/07/2024 RAWING SHEET NO. L.KELLY L.KELLY CHECKED J.KING SHEET 12 OF 15 PROJECT NO.

PRE-DRILL & ASSEMBLE W/ 2-1/2" EXTERIOR WOOD SCREWS (TYP.) FLUSH WITH 2x6 BENCH BACK BOARDS (TYP.)) TOP & BACK 2x6 BENCH SEAT BOARDS (TYP.)) PRE-DRILL & ASSEMBLE W/ 2-1/2" EXTERIOR WOOD SCREWS (TYP.) 2x6 BENCH LEG W/ BACK SUPPORT FLUSH WITH EACH END (MIRRORED) FRONT 2x6 BENCH LEG W/ SEAT SUPPORT EACH END (MIRRORED)

FOR FASE OF CONSTRUCTION

USE STRAIGHT EDGE TO ALIGN FEET

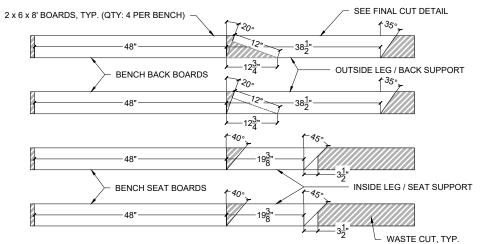
SIDE ELEVATION SCALE: 1/4" = 1'-0"

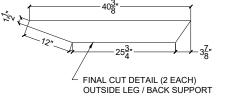
NOTES: CONSTRUCT TWO (2) ENDS FOR EACH BENCH, ENSURING THAT THEY MIRROR EACH OTHER, WITH THE SHORT LEG / SEAT SUPPORT INSTALLED TOWARD THE INSIDE.

INSIDE END VIEW

FRONT ELEVATION

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



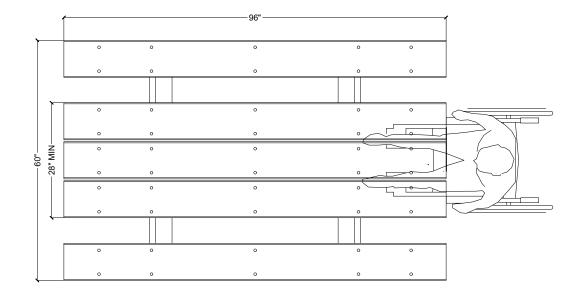


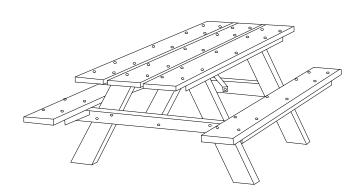
CUT PATTERN

WHEELCHAIR ACCESSIBLE A-FRAME PICNIC TABLE:

- NOTES:

 1. TABLE TO BE PLACED ON COMPACTED D-1.
 2. TABLES SHALL BE ANCHORED TO PREVENT THEFT.
 3. "U"-SHAPED SEATING POSTS FOR BETTER ACCESSIBILITY ALSO ACCEPTABLE, AS LONG AS TOTAL LENGTHS AND WHEEL CHAIR ACCESSIBILITY AT ENDS ARE MET.
 4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL VERIFIED AS SUITABLE FOR PROJECT SITE CONDITIONS.

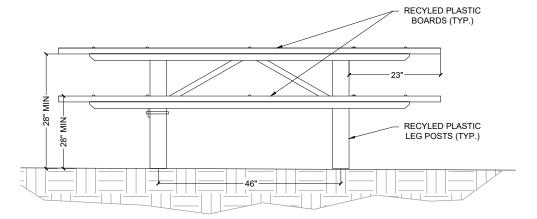


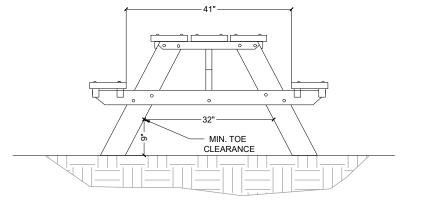


PLAN VIEW

SCALE: NTS







FRONT ELEVATION

SCALE: NTS

SIDE ELEVATION SCALE: NTS



(R10) ALASKA REGION

STAMPS, LOGOS, AND SEALS

PROJECT NAME STANDARD **CABIN LAYOUTS**

REVISION / ISSUE

16'X20' CABIN -**FULL LOFT**

CHUGACH & TONGASS

REGION 10 ALASKA

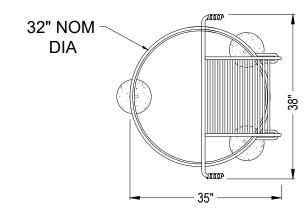
EXTERIOR DETAILS: PICNIC TABLE

DATE 06/07/2024	ARCHIV	E NO.	
DESIGNER L.KELLY		DRAWING SH	HEET NO.
DRAWN L.KELLY		A-	12
J.KING			
PROJECT NO.		SHEET 13	OF 15

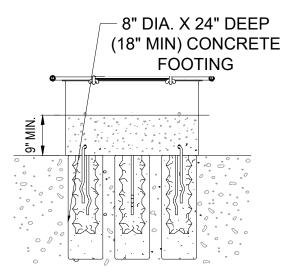
WHEELCHAIR ACCESSIBLE FIRE RING:

NOTES

- 1. DOUBLE WALL FIRE RING WITH PIN ANCHORS
- 2. FILL WITH COARSE AGGREGATE FILL TO 10 3/8" ABOVE GROUND LEVEL (CONFORMS TO ABA GUIDELINES OF MIN 9" HEIGHT ABOVE GROUND FOR FIRE BASE).
- 3. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
- 4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.

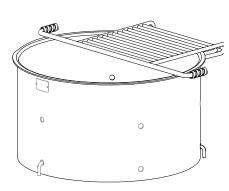




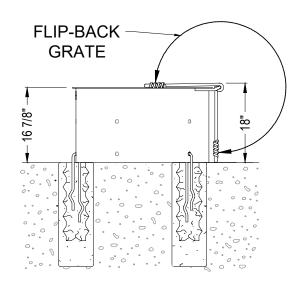


FRONT ELEVATION

SCALE: NTS



ISOMETRIC VIEW NOT TO SCALE (NTS)







(R10)

ALASKA REGION

STAMPS, LOGOS, AND SEALS		
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STANDARD
CABIN LAYOUTS

16'X20' CABIN -FULL LOFT CHUGACH & TONGASS

REGION 10 ALASKA

DRAWING TITLE

EXTERIOR DETAILS:

FIRE RING

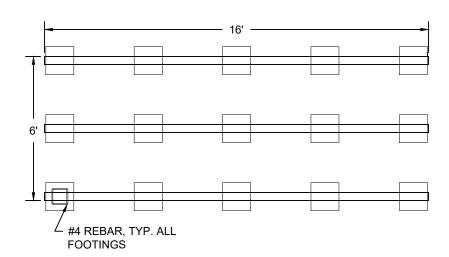
DATE 06/07/2024	ARCHIVE NO.	
DESIGNER L.KELLY		DRAWING SHEET NO.
DRAWN L.KELLY		A-13
CHECKED J.KING		
PROJECT NO.		SHEET 14 OF 15

WOODSHED FOR SEASONED AND UNSEASONED WOOD STORAGE:

- NOTES:

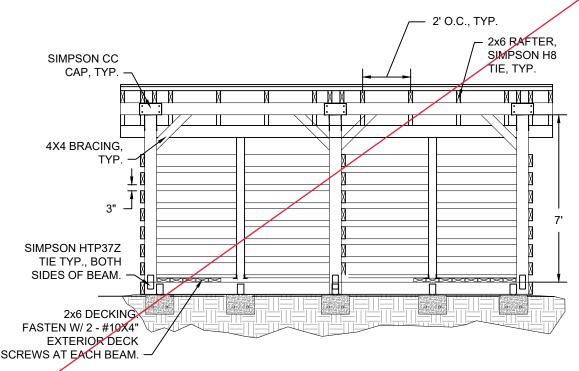
 1. FOOTINGS TO BE PLACED ON STABLE SUBGRADE OR COMPACTED D-1.
- 2. WOOD TO BE PRESSURE TREATED LUMBER AND ASSEMBLED WITH COMPATIBLE EXTERIOR GRADE HARDWARE
- 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL VERIFIED AS SUITABLE FOR PROJECT SITE CONDITIONS.

NOT APPLICABLE THIS **PROJECT** (MENDENHALL LAKE CABIN ONLY)



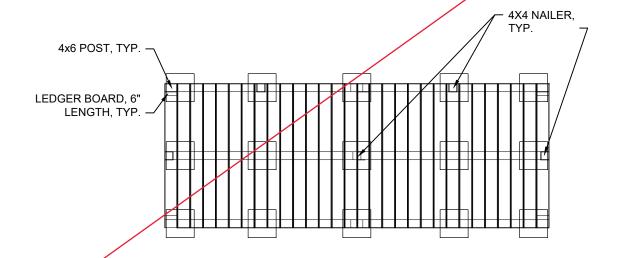
PLAN VIEW: FOOTING & BEAMS

SCALE: NTS



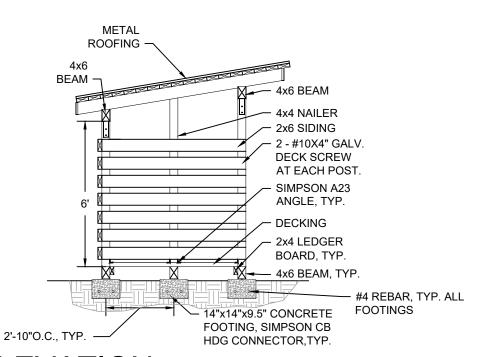
FRONT ELEVATION

SCALE: NTS

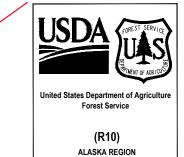


PLAN VIEW: DECKING, POSTS & NAILERS

SCALE: NTS



SIDE ELEVATION SCALE: NTS



	STAMPS, LOGOS, AND SEAL	S
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STANDARD CABIN LAYOUTS

16'X20' CABIN -**FULL LOFT CHUGACH & TONGASS**

REGION 10 ALASKA

EXTERIOR DETAILS: WOODSHED

DATE 06/07/2024	ARCHIV	E NO.	
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CHECKED J.KING	3		
PROJECT NO.		SHEET 15	OF 15

Attachment C: Mendenhall Lake Cabin Specifications

Contents:

- 1. Project Location and Map
- 2. Conceptual Site Plan, Section and Photos
- 3. Cabin Site and Design
 - a. Design Requirements
 - b. Structural Design Parameters
 - c. Geotechnical Design Parameters
 - d. Cabin and Site Element Descriptions
 - e. Accessible routes
 - f. Heating and electrical systems
 - g. Drinking water source
 - h. Outhouse system
 - i. Locations available for onsite materials storage and/ or special site cleanup requirements
- 4. Cabin Material Specifications
- 5. Other Project Information
- 6. Mendenhall Lake Cabin Conceptual Site Plan
- 7. Mendenhall Lake Cabin Geotechnical Report
- 8. Mendenhall Lake Cabin Sample Photo Package
- 9. Mendenhall Glacier Visitor Facility Improvements Project Final EIS

1. Project Location and Map

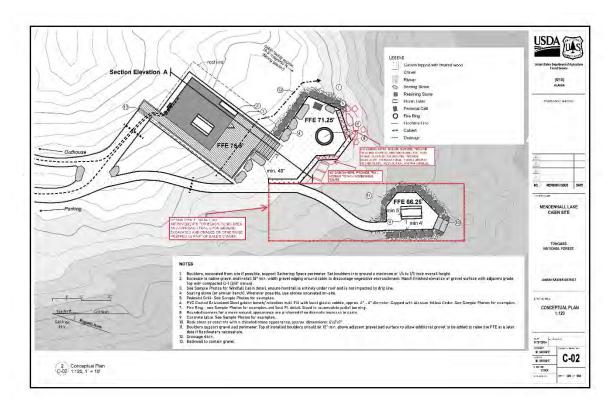
The Mendenhall Lake Cabin site sits within Mendenhall Lake Campground (lat/long: 58.413594 -134.582336) in the City and Borough of Juneau. The Campground is open to visitors May 15 through September 15 and is located 13 miles from downtown Juneau. Driving times: 14 minutes from the Juneau International Airport, 10 minutes from the Auke Bay Ferry Terminal, and approximately 30 minutes from the Alaska Marine Lines - Lynden Transport facility.

By ferry: turn right out of the Ferry Terminal parking lot. Drive 1.7 miles to DeHart's Store above Auke Bay marinas. Take the left exit out of the roundabout onto Mendenhall Loop Road. Travel 2.5 miles to Montana Creek Road. Turn left onto Montana Creek Road. Drive 0.3 miles to Skater's Cabin Road. The campground is 0.3 miles down the road.

From the airport: go 0.1 mile to the junction of Yandukin and Shell Simmons Drive. Turn left on Shell Simmons Drive and travel 0.3 miles to the stoplight at the intersection of Old Glacier Highway. Turn left on Old Glacier Highway and travel 0.5 mile to the stoplight at the intersection of Egan Drive. Continue on Mendenhall Loop Road 2.2 miles to the intersection of Mendenhall Loop Road and Glacier Spur Road. Turn left on Mendenhall Loop Road. Continue 1.4 miles to the intersection of Montana Creek Road. Turn right and travel 0.3 miles to Skater's Cabin Road. Turn right and travel 0.3 miles to the campground.



2. Conceptual Site Plan and Photos



See Mendenhall Lake Cabin Conceptual Site Plan and Sample Photos for further details.

Site Photos:









Main Campground Road, Parking Area, and start of Pathway to Cabin



Hydrant located near main road (beyond trees in right side of photo above)





Junction of Cabin Site and Outhouse: LEFT: facing the parking area (left) and outhouse (right). RIGHT: facing the cabin site





Outhouse Site: LEFT: facing outhouse from path. RIGHT: facing path to junction from outhouse.





Cabin Site: LEFT/RIGHT: facing the cabin from the Gathering Space.



View of Glacier from Beach Picnic Area





Beach Picnic Area facing the Cabin Site

3. Cabin and Site Design

a. Design Requirements:

Please see engineering drawings and requirement descriptions outlined in Attachment A and Attachment B.

Base Bid includes the following:

- o Cabin.
- o Outhouse.
- Parking for three regular and one "reserved parking/van-accessible" space with access aisle at existing campsite 17.
- o Main access pathway for cabin.
- o Pathway spurs to outhouse and Gathering Area.
- o Gathering Area with oversized fire pit.
- o Electrical system.
- Excavation, grading, and related ground preparation work for Beach Picnic Area and pathway from Gathering Area.

Option Item 1: Provide materials and install all improvements for Beach Picnic Area and pathway from Gathering Area upon ground excavated and graded or otherwise prepped as part of Base Bid work.

Special Site Conditions and Demolition

The Mendenhall Lake Cabin is a new recreational cabin for the Juneau Ranger District. The site was chosen for its unobstructed view of the Mendenhall Glacier across Mendenhall Lake and the elevated terrain above the maximum historic flood level. A rocky ephemeral spit frames the glacier view, while providing an excellent picnic and exploration location. Less than 300' off the campground road, this will be the Juneau Ranger District's most accessible cabin. We anticipate this cabin site to be heavily used for small groups and events such as celebrations, family reunions, weddings, 4th of July, BBQs, etc. We want to ensure use of this cabin is available to the greatest number of people by providing generous interior and exterior gathering spaces.

Though located within the Mendenhall Lake Campground, the unique topography of the site provides privacy from nearby campsites. The site is northeast facing with minimal afternoon/evening sun and is susceptible to strong katabatic winds coming off the Mendenhall Glacier.

Pathways: All pathways shall be constructed at or below a 5% grade. Finish surface course shall be E1 on all trails, paths, and pads to ensure accessibility. Provide a minimum depth of 2" E1. Finished surface of pathways shall be 2" above adjacent grade to allow for drainage. Ensure a firm and stable finish surface according to FSORAG.

Main pathway: The first approximately 134' of the main pathway shall be constructed to accommodate administrative vehicular services to the outhouse and cabin facilities (see Mendenhall Lake Conceptual Site Plan). Design width shall account for wheel tracking of a solid-waste pump-truck.

The remainder of the main pathway shall be 5 feet wide. At this transition point, contractor shall install large boulders excavated on site from either side of pathway to prevent vehicular traffic to cabin. After construction, ensure layers of excavated of mossy topsoil are returned to disturbed areas adjacent to pathway to ensure revegetation.

Waterbodies: The record lake crest was recorded in 2023 at a 14.97' lake level. No wood structural cabin elements shall be constructed below the 15' lake level (71' above sea level, NAD88) to avoid damage from a 15' flood. Any elements developed below the 15' lake level shall be designed to withstand potential inundation. Culverts shall also be placed in select areas to accommodate cross flows during heavy rain and high-water events. Cabin FFE shall be at least 75.5'. Gathering Space FFE shall be at least 71.25' to minimize impact from flooding. Ensure that outdoor living space amenities, such as a fire ring, seating, and/or tables, are placed above the 15' lake level, or are designed to be unaffected by rising water levels (rust-resistant and anchored). For more information on the hydrology of the area, visit Advanced Hydrologic Prediction Service: Mendenhall Lake at Lake Level (weather.gov).

The 71' datum shall be indicated in all submitted design drawings.

Tree Thinning: Prior to construction, USFS will cut all trees and remove cut wood located at designated site improvements in coordination with design development; coordinate cutting schedule details with USFS. Contractor to perform additional clearing of cabin, outhouse, Gathering Space, trails, and associated areas, including root ball and stump removal, etc., as necessary for construction.

Soils: See Mendenhall Lake Cabin Geotechnical Report.

Parking: Provide parking for 4 vehicles, including one wheelchair accessible van stall and access aisle sized per applicable ABA requirements. Remaining parking spaces shall be a minimum width of 10', and a length to accommodate a crew cab long bed pickup truck with hitch. For parking stops, use 12" x 12" treated lumber matched to existing color/size/style (see examples within Mendenhall Lake Campground) with concrete supports. See Mendenhall Lake Cabin Sample Photo Package.

NOTE: Conceptual plans indicate general parking layout. Design final parking area to accommodate single direction traffic patterns generally within existing Site 17 footprint and near existing road to minimize cut/fill and cost. Orient parking perpendicular to road if associated costs are reduced. Work adjacent to road may include removing and replacing existing hydrant, which shall be performed in accordance to Alaska Department of Environmental Conservation requirements for maintenance of drinking water systems. Only relocate hydrant if total costs are offset by reduced cut/fill for parking. Other alternatives may include providing parking either side of the hydrant. Note that utilities may be present below ground adjacent to main campground road; coordinate with appropriate utility providers to locate buried utilities during design and prior to construction.

b. Structural Design Parameters

- Design to International Building code current version
- Structural Risk Category II
- 112 psf ground snow load
- Design wind load 129 mph, Exposure Category C
- Seismic load as required by ASCE7*
- Floor Live Load 40 psf, 30 psf for habitable attics and sleeping areas, such as lofts; per ASCE 7-22 and 150 psf for woodsheds
- Frost depth of 32 inches

c. Geotechnical Design Parameters

See Mendenhall Lake Cabin Geotechnical Report.

d. Cabin and Site Element Descriptions

See Attachment A and Attachment B for standard cabin and site element descriptions. Mendenhall Lake Cabin specific cabin and site element descriptions

include the following (see Mendenhall Lake Cabin Sample Photo Package for more detail):

- **Site Layout:** Conceptual plans indicate general footprints for cabin, fire pit and picnic areas.
 - Design shall maintain finished floor elevations (FFEs) as indicated in conceptual site plans unless approved otherwise. The footprint locations for the cabin and gathering area can vary horizontally. Ensure Gathering Area fire ring is not aligned with cabin along predominant NE wind direction to avoid blown smoke from Gathering Area fire ring toward the cabin.
 - O Gabions or other retaining systems are recommended only if overall costs are reduced by minimizing cut/fill area. If gabions are installed, fill with native glacial cobble from a local vendor of certified weed-free rock products, or a similar approved source. If site is sloped without gabions, ensure that slopes are designed and finished in a manner that discourages foot traffic to minimize erosion, and revegetated to match natural surroundings. See Appendix A for accepted definition of "weed-free."
 - Install rock erratics at 50' max intervals to contain foot traffic and serve as seating. Erratics shall be of suitable size to serve the double-purpose of optional seating where a bench is not provided. See "Seating Stone" locations in drawings for preliminary suggestions.
 - o Provide minimum one bench along main access pathway.
 - o Provide drainage ditches where appropriate.
 - Provide permanent naturalized erosion control for all disturbed slopes by revegetation and/or armoring to match native surroundings.
- **Foundation Type:** Suggested foundation is concrete piers with Big Foot type footings for the cabin and deck; foam board insulation under floor. See Structural Desing Parameters.
- Roof: R-38 insulation with cold-roof lay-up and finishes per Attachment A.
- Deck:
 - Deck and Handrails: Handrails to be constructed along the deck and stairs as shown in the conceptual plan. 2" x 6" AYC handrail with 1/2" galvanized steel pipe balusters. Equal distance spacing <4". See Mendenhall Lake Cabin Sample Photo Package.
 - Stairs: Provide approximately 6 stairs with 7' width (min. tread depth 12" and rise approx. 7"). Stair treads shall be non-slip as described in Section 4. Cabin Material Specifications, a) Deck access.
- **Wainscoting:** Where log wood species is non-cedar, exterior metal wainscoting is required (see Attachment B, sheet A-05) and shall be identical to the standing metal seam material employed as roofing in Attachment A or approved equal.
- Fire Ring: Fabricate and install a steel fire ring according to "Fire Ring" in Mendenhall Lake Cabin Sample Photo Package. Ensure minimum clear space per FSORAG.
- **Picnic Table:** Provide and install one ABA accessible concrete picnic table, Outdoor Creations Model #101FSR, or approved equal. Handle, seal, and install

per manufacturer's directions. Ensure alternatives cannot be easily tipped or relocated.

- **Seating:** Provide stationary seating at Gathering Space gravel pad as shown in Mendenhall Conceptual Site Plan. Locate stationary seating to provide open space for user-brought seating.
 - Seating stones: Solid stone slab benches or large flat boulders, reuse boulders from site excavation as appropriate.
 - Benches: Stationary benches for 8 persons minimum with water resistant, non-wood sitting surfaces. (NOTE: This is in place of gabions with AYC benches shown in conceptual plans.)
 - Multi-purpose seating that also serves as a barrier that confines foot traffic to designated trails is preferred.
 - o Ensure seating cannot be easily tipped or relocated.
- **Multi-Level Pedestal Park Grill**: Provide one multi-level pedestal grill in the Gathering Space. Pilot Rock B-24 or approved equal.

e. Accessible routes

To provide an equivalent experience of the glacier view and Mendenhall Lake to a broad range of mobility levels, an accessible path shall be provided between all primary use areas associated with this project including parking area, cabin, outhouse, gathering space, as well as the Beach Picnic Area for Option Item 1.

f. Heating and electrical systems

- Provide wood stove per Attachment A.
- Provide electrical service to the cabin.
 - Contractor shall coordinate with AEL&P prior-to and during the excavation of the parking area and main access pathway to minimize the need for AEL&P trenching (AEL&P, Alaska Electric Light & Power, currently provides electricity to the Mendenhall Campground). Contractor shall contact AEL&P when fill for parking area and the main pathway is 24" below grade. At this time, AEL&P will ensure adequate trenching and install electrical line to cabin (AEL&P has allocated two 10-hour days to be on-site). See "Mendenhall Lake Conceptual Site Plan" drawing for layout.
 - AEL&P shall provide and install:
 - New junction box
 - New transformer
 - New meter
 - 15kV electrical line in conduit from the existing junction box on (Mendenhall Loop Rd.) to new junction box.
 - 240/120V electrical line in conduit from new transformer to new meter at cabin
 - Contractor shall provide and install:
 - Meter box enclosure at cabin
 - Electrical panel at cabin
 - Interior electrical service to cabin and to outhouse with fixtures
 - o A single-bulb, ceiling-mounted fixture in the outhouse.
 - Lockable GFCI exterior and interior electrical outlets (for USFS use only) at the cabin. Verify location with USFS.

- Four single-bulb ceiling-mounted fixtures in the cabin (one over the counter, one over the table, one in the loft, and one on the porch).
- o On/off switching solution options including a 6 hr timer.
- Wiring/conduit options.
- Provide electrical heating system, subject to USFS/NFF approval, including:
 - Radiant panel heating: "Cove Radiant Panel" or approved equal.
- Electrical service is available to contractor after installation and inspection.

g. Drinking water source

Potable water is available from nearby bathhouses (425 ft from cabin site) May 15 – September 15, and at a water hydrant located on the road at site 17.

h. Outhouse system

- Procure and install a Romtec 1004 outhouse system or approved equal. Metal roofing color is to match cabin roofing color of "dark brown."
- Outhouse building and site design shall meet all applicable accessibility requirements, including ABA (Architectural Barriers Act) and FSORAG.
- Vault shall be 750 gallons.
- Vault shall be seated above the high groundwater level to prevent infiltration.
- Provide sufficient grading and drainage to prevent water infiltration into vault.
- Provide a directional wind cap and bird screen at top of vent pipe to exclude rain and wildlife access while allowing unobstructed venting of odors.
- Orient outhouse building to maximize solar exposure of vent pipe for thermal uplift.
- Provide for external toilet vault maintenance access.

i. Locations available for onsite materials storage and special site cleanup requirements

 Materials will be stored onsite in a location approved by USFS. Contractor will leave the site in a state ready for visitor use.

4. Cabin Material Specifications

Please see Attachment A and Attachment B for standard cabin material specifications. The following specifications are guidelines for general bidding purposes. The Contractor's designer of record shall develop final specifications for materials ensuring compatibility, durability, availability, constructability, code compliance, and associated installation and testing requirements. Storage, handling, preparation, and installation shall follow the manufacturer's instructions.

Mendenhall Lake Cabin-specific cabin material specifications include:

1) **Deck access:** Ramps and exterior stair treads shall be non-slip, ADA compliant pultruded fiberglass decking, standard coarseness, and dark gray.

- 2) Finishes: All exterior window casing, exterior entry doors, standing-seam metal roofing, flashing, or other exterior trim shall be "dark brown," sourced so as to maintain matching finish in cladding or coating, and selected and approved by NFF/USFS from the manufacturer's full palette. Coatings, stains, or paint shall be approved prior to application.
- 3) **Exterior Wood Coating**: Ensure pigment sample used for Arborcoat Translucent Natural (W623 10) external finish or approved equal matches the custom pigment created for the USFS Juneau Ranger District by Valley Paint, located at 8461 Old Dairy Road, Juneau.

6. Other Project Information

a. Utilities:

If any utility service must be interrupted (even temporarily) due to maintenance or contract work, the Contractor shall notify NFF/USFS at least three working days in advance. If the service interruption is due to an emergency breakdown, the Contractor shall notify NFF/USFS as soon as practicable.

There are bathhouses/outhouses a short walk in either direction from the site along the Main Loop. All bathrooms within the campground will be open May 15 – September 15. The closest bathroom to the cabin site can be left open throughout the winter upon request. Contractor shall supply their own power as there is none currently available onsite. Electrical access may become available during construction.

- b. <u>Cell Service:</u> There is cell service on site, as well as throughout much of the campground.
- c. <u>Bear Safety:</u> Bears frequent the area; keep food and similar attractants in vehicles or bear-proof containers and be aware of surroundings. A bear-proof locker is located at site 17. Follow posted campground regulations.
- d. <u>Disruption of Campground</u>: There should be minimal disruption to campground users, see below for more information.
- e. Work Schedule Considerations:
 - 1. Responsibility to Notify:
 - i. The contractor must notify the designated USFS representative at least three working days prior to the commencement of work to provide a work schedule and coordinate inspection activities during USFS business hours, unless otherwise approved in writing by NFF/USFS. The work schedule shall outline, at a minimum, completion dates of major tasks/objectives as outlined in detailed tasks below.
 - ii. Contractor must notify the designated USFS representative when leaving the project area for three or more days (unless due to Government holiday) and within 24 hours before returning to the project area.

2. Government Working Hours

i. Government's regular working hours are from 0800 to 1700, five days per week, Monday through Friday, except observed Federal holidays.

Exceptions to regular working hours will be considered on an asneeded basis, depending on the schedule provided by the Contractor. A USFS representative will typically be on-site but is only required to match contractor hours during key meetings and construction work inspections.

ii. The Government observes the following holidays:

New Year's Day

Martin Luther King Jr.'s Birthday

President's Day

Memorial Day

Independence Day

Juneteenth

Labor Day

Columbus Day

Veteran's Day

Thanksgiving Day

Christmas Day

- 3. May 15 September 15: The Mendenhall Lake Campground is open to vehicular access from May 15 to September 15. During this time, the cabin site may be accessed through the main campground entrance off Skater's Cabin Road. The entrance and exit gate is left open 24/7. During summer construction, a dumpster may be sited in the current parking pad for site 17 upon approval. Contractor to provide dumpster delivery and removal. Construction materials may be transported by vehicle, or across the lake via boat if securely fastened to avoid accidental loss into lake. The shore of the site is muddy cobble; Contractor shall use protective mats and similar methods to protect the site and prevent erosion. All construction waste shall be transported out via road. Construction will be allowed Monday through Saturday; Contractor shall limit working hours to 08:30am to 6:00pm.
- 4. September 15 Late October/Early November: After the campground closes to public vehicular access, USFS can provide road access to the site through the Main Loop. All waste shall be cleared from the dumpster before 6" of snow accumulation, after which time the dumpster shall be removed for the season. Construction will be allowed 7 days a week from 6am to 10pm.
- 5. Early November Early May: Once 6" of snow accumulates, the Main Loop will be closed to all vehicular traffic and is groomed for Nordic skiing. Throughout the winter and as ice conditions allow, the site may be reached and materials transported by snowmachine from Skater's Cabin across Mendenhall Lake. Note that snowmachines are only allowed on the west side

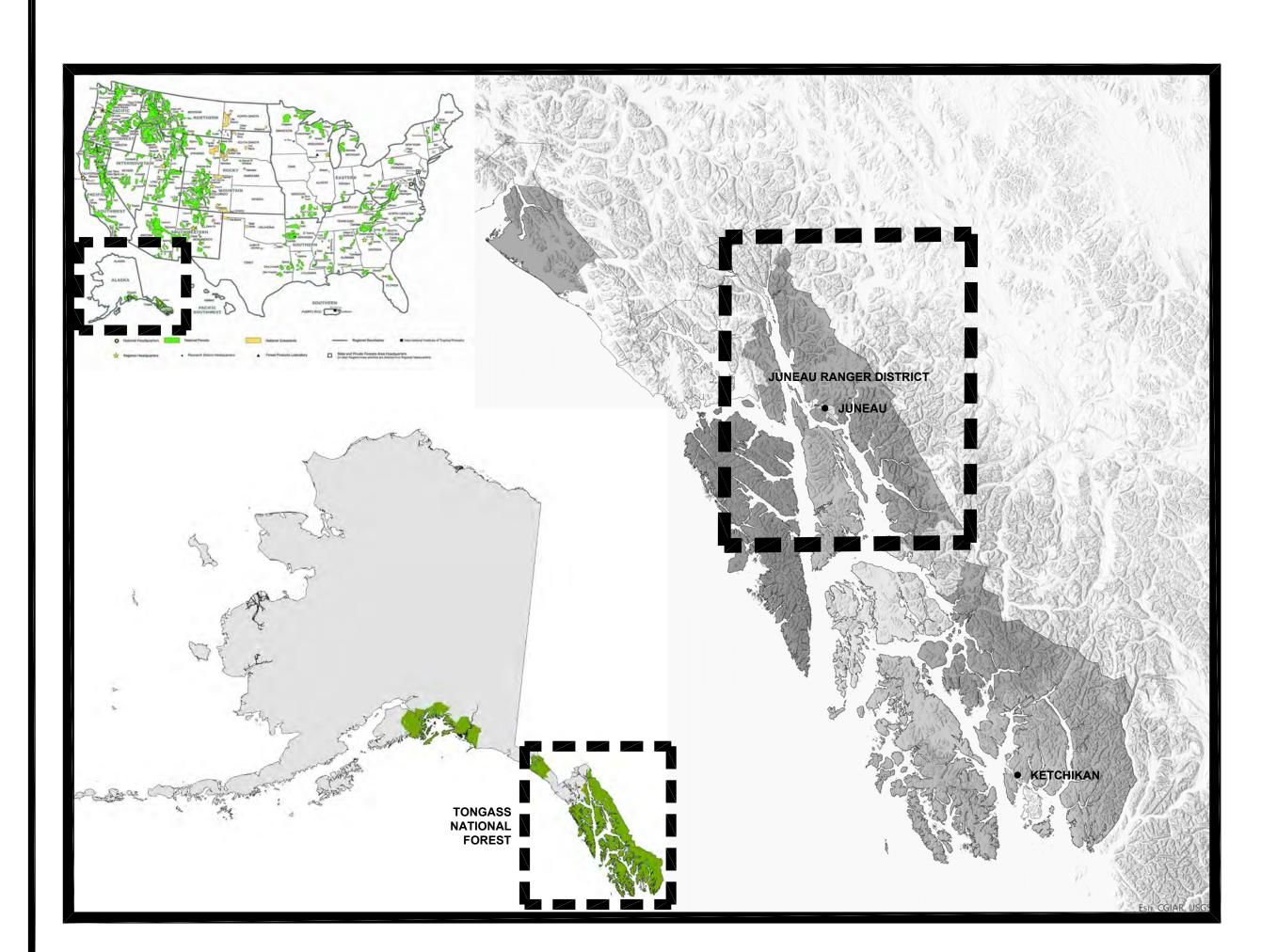
- of Mendenhall Lake. The site may also be reached via Nordic ski, snowshoe, or by foot. Construction will be allowed 7 days a week from 6am to 10pm.
- f. <u>Camping:</u> Contractor may elect to camp in a designated campsite with electrical hook-up per USFS. Submit request and coordinate with USFS.
- g. <u>NEPA:</u> Follow all National Environmental Policy Act (NEPA) requirements. See Mendenhall Glacier Visitor Facility Improvements Project Final EIS.



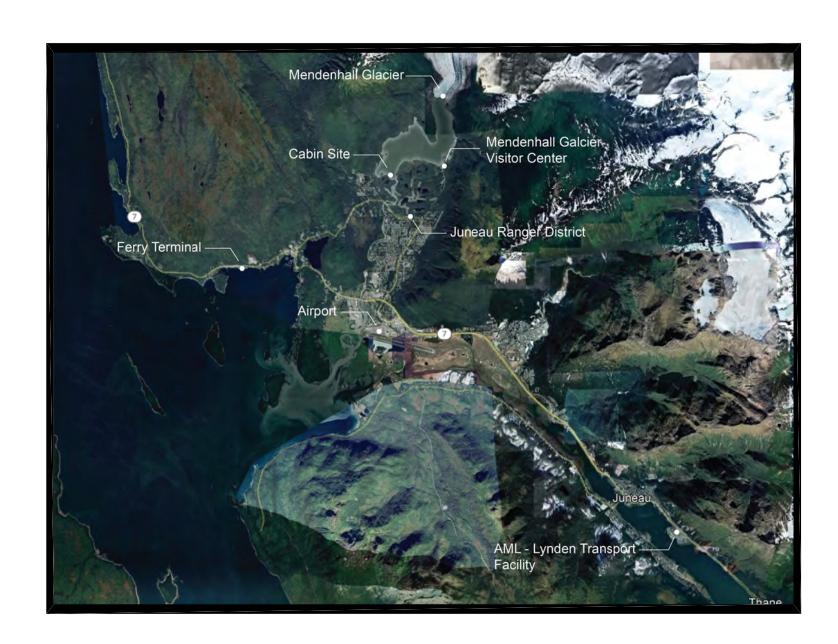
United States Department of Agriculture Forest Service

ALASKA
CITY AND BOROUGH OF JUNEAU
(R10) ALASKA
TONGASS NATIONAL FOREST
JUNEAU RANGER DISTRICT

MENDENHALL LAKE CABIN



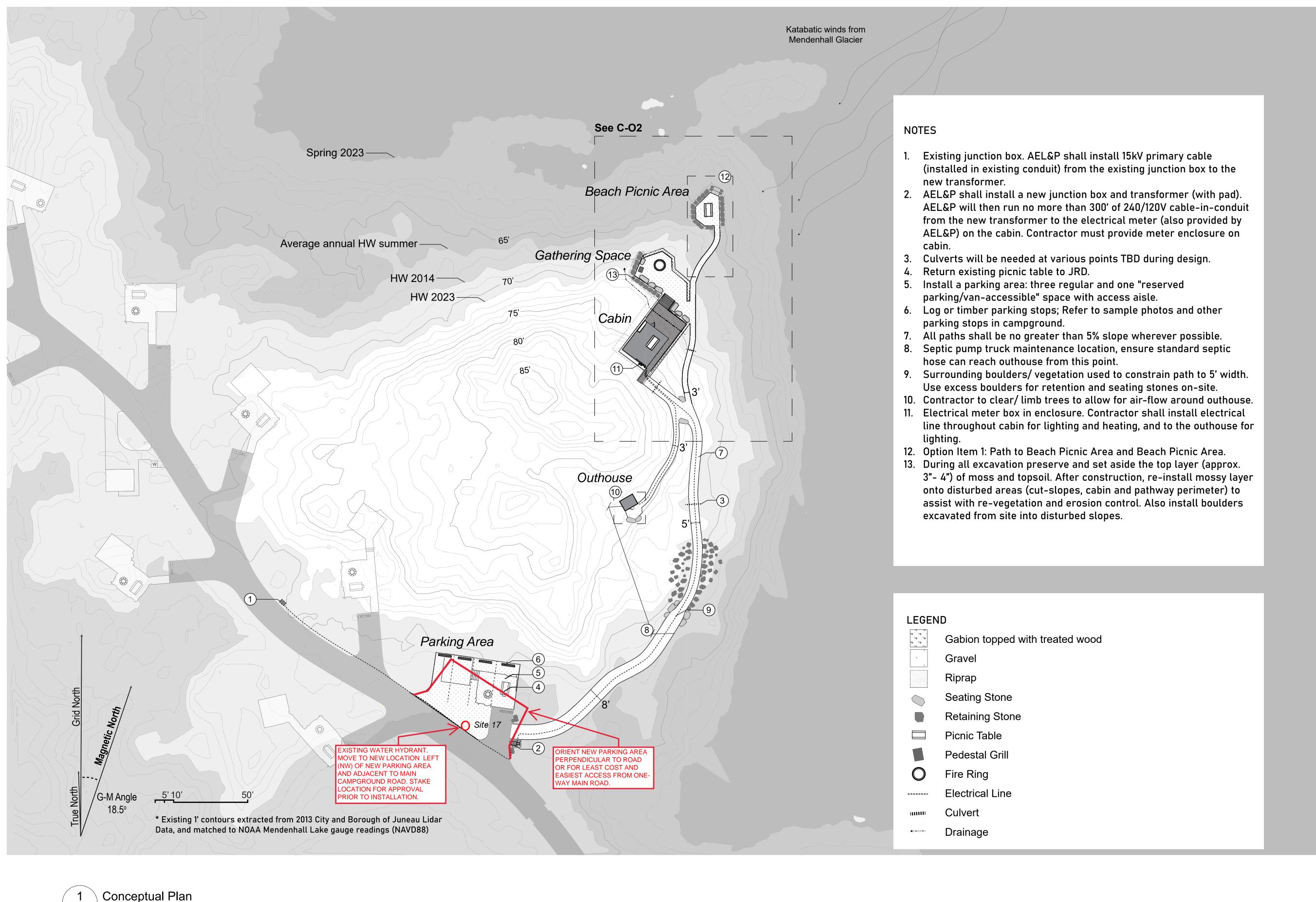
FOREST LOCATION MAP



PROJECT LOCATION MAP

INDEX OF SHEETS		
SHEET	SHEET TITLE	DATE
G-01	COVERSHEET	01/31/2024
C-01	CONCEPTUAL SITE PLAN 1:500	01/31/2024
C-02	CONCEPTUAL SITE PLAN 1:120	01/31/2024
C-03	CONCEPTUAL SECTION ELEVATION A 1:48	01/31/2024

FOREST ENGINEER	DATE
DISTRICT RANGER	DATE
FOREST SUPERVISOR	DATE
RO FACILITIES PROGRAM MANAGER	DATE
APPROVED:	
DIRECTOR OF ENGINEERING	DATE





United States Department of Agriculture Forest Service

(R10) ALASKA

STAMPS, LOGOS, AND SEALS

A

3

2

NO. REVISION / ISSUE DATE

PROJECT NAME

MENDENHALL LAKE
CABIN SITE

TONGASS
NATIONAL FOREST

JUNEAU RANGER DISTRICT

DRAWING TITLE

CONCEPTUAL PLAN 1:500

DATE 01/31/2024 ARCHIVE NO.

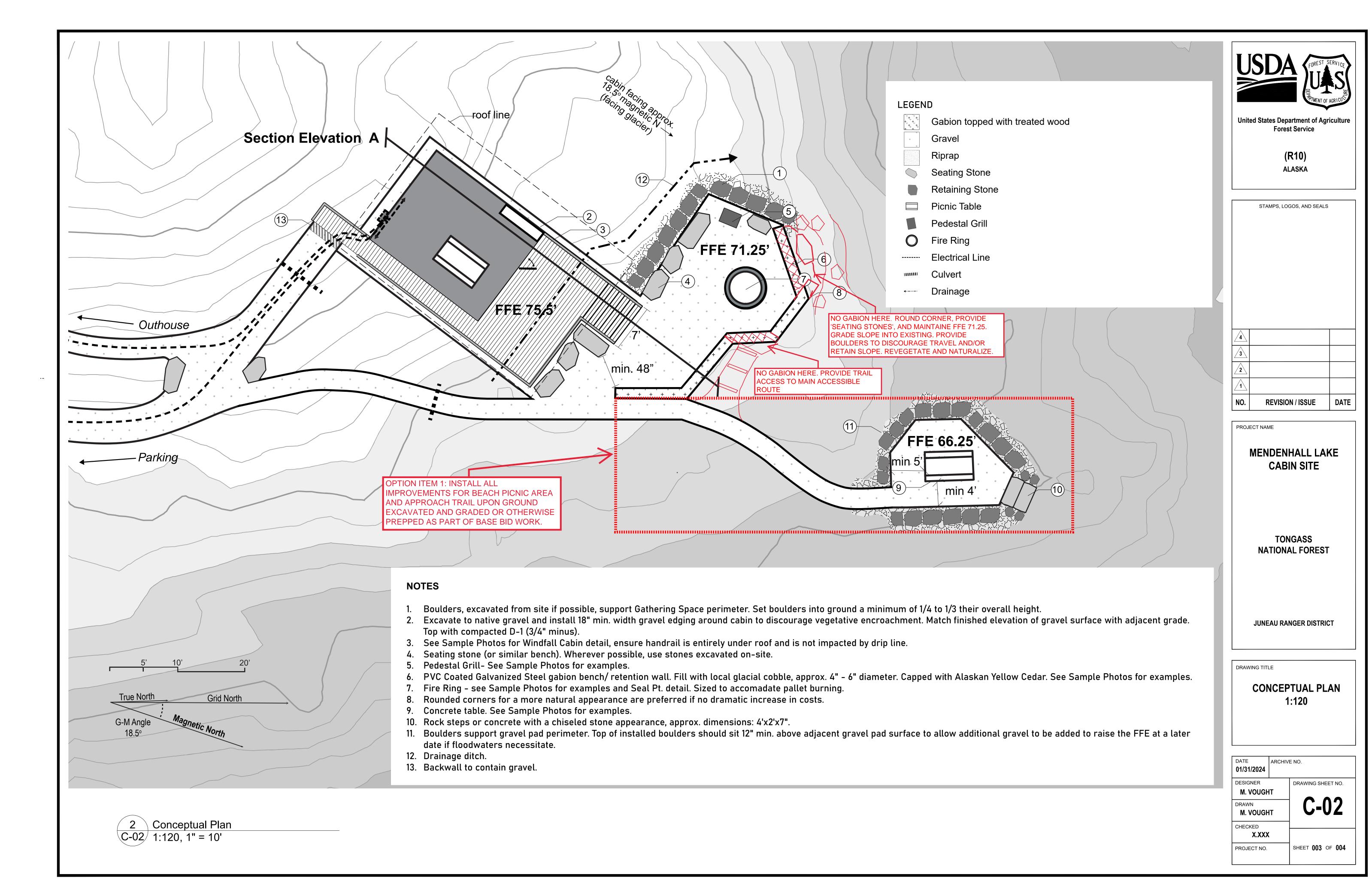
DESIGNER DRAWING SHEET NO.

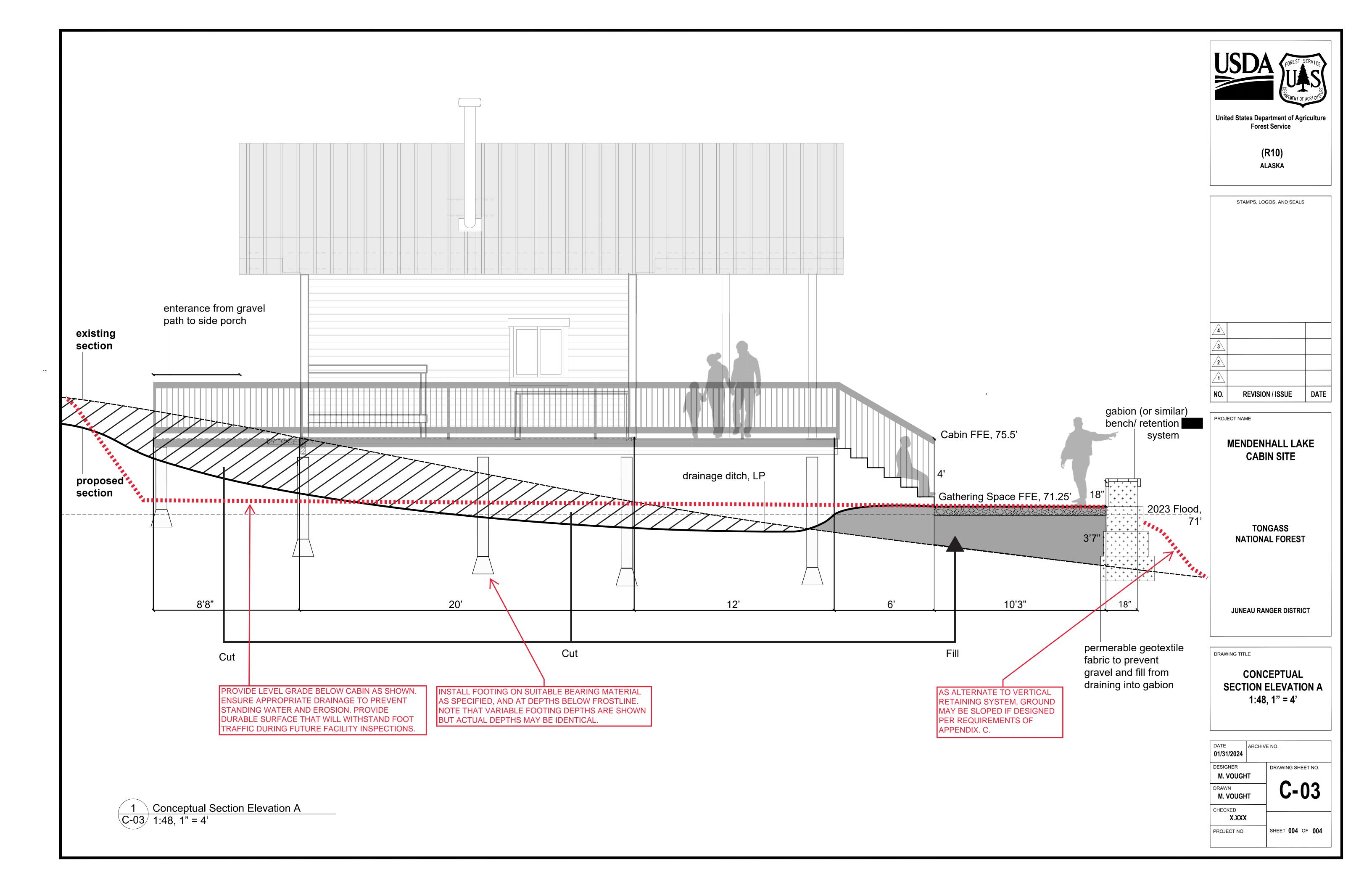
M. VOUGHT

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PROJECT NO.

SHEET 002 OF 004





Limited Geotechnical Appendix for Mendenhall Lake Cabin

Prepared by Tongass Engineering Staff, June 2023

General notes

The Mendenhall Lake cabin site is within the Mendenhall Lake campground on the west side of the Mendenhall Glacier Recreation Area in Juneau, AK. The area is influenced by glacial activity, which deposited glacial till throughout the floor of the Mendenhall valley. The developed campground is used primarily by Juneau residents for camping by reservation. Approximately 15% – 20% of use is by out-oftown visitors. The site is undisturbed. The cabin site, near campground number 17, has a limited organic soil layer and young, small trees. Multiple site visits were conducted by engineering staff between May and June of 2023 to develop this Geotech report.

Project Location Coordinates: 58.413534°, -134.582510°

Approximate elevation 70 ft above sea level

Soil Profile

Four test pits were excavated to a depth of approximately 25 - 26 inches below the level of organic soil. Location of the test pits can be seen in the map below. The test pits are in a moderately vegetated forested site near campsite 17. Three test pits are within the footprint of the proposed cabin foundation. An additional test pit was dug to a depth of 26 inches within the planned footprint of the vault toilet building.

The soil profiles and soil composition were nearly identical in each of the four test pits except for the presence of large boulders, which were present in two of the four pits. The top 4-6 inches of the pits had moss above dark brown organic soil.

The second layer of soil, extending 25 - 26 inches to the bottom of each pit, was classified as SM (silty sands, sand-silt mixtures) with 5% gravel, and 20% cobbles ranging in size from 1'' - 7''. Gravels and cobbles were well rounded. The soil was uniformly moist. One piece of woody debris about $1'' \times 8''$ was found about 18'' deep in pit #3. Silt/sand was grey in color. Most gravels and cobbles were black and white speckled in color. No clay was present. The top 9'' of the layer had a slight brown tint to the grey silty sand, presumably from the tannins in the organic soil above.

Bedrock was not observed in the test pits. Pit #1 exposed a boulder with a face measuring 16" x 22". Pit #2 exposed a boulder with a face measuring 22" x 28". Groundwater was not observed in the test pits. While rainwater accumulated in Pit #1 during excavation on June 29, the water had drained out of the pit by June 30.

Bearing strength

A pocket penetrometer was not available for the site visits, though the presumptive load-bearing value of the soil is 2,000 pounds per square foot, based on Table 1806.2 in the International Building Code.

Vegetation

The cabin site is a post-deglaciation, early successional spruce forest. Spruce trees range in diameter at breast height (dbh) of 2.3'' - 15.8''. Western Hemlock, Sitka Alder, and Black Cottonwood make up 2% - 3% of the trees. Understory is dominated by blueberry.

Drainage

The site appears to be well drained. During several site visits we observed no ponding or standing water. No flowing water was observed. There is no Devil's Club (typical in areas of flowing ground water) or Skunk Cabbage (typical in areas of standing water) on the site.

Topography

The cabin site slopes upward about 25% - 30% from the shore of Mendenhall Lake. The maximum flood on the lake occurred at a 12' lake stage. The cabin/deck footprint starts around the 16' lake stage and continues uphill from there. See main document for site plans.

Map

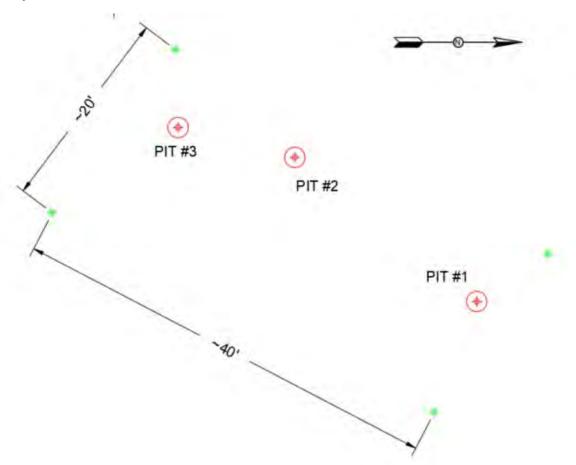


Figure 1 – Soil test pit locations 1 - 3 within planned cabin/deck footprint. Refer to site map earlier in document. Cabin corners (green points) have only roughly been laid out at this time.

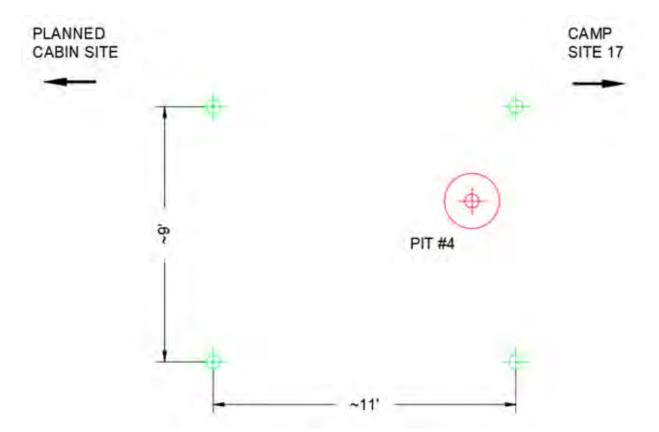


Figure 2 – Soil test pit #4 within the planned footprint of the vault toilet building. Refer to site plan map earlier in document. Building corners (green points) have only roughly been laid out at this time.

Photos



Soil profile – Test Pit #1, cabin site.



Soil dug from Test Pit #1, cabin site.



Soil Profile – Test Pit #2, cabin site.



Soil Profile – Test Pit #3, cabin site.



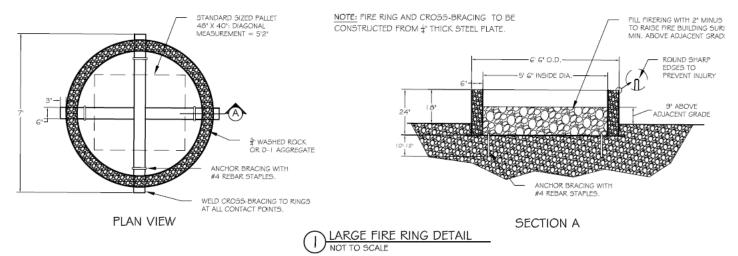
View of cabin site looking from front of site to back of site



Soil Profile - Test Pit #4, vault toilet site.

Mendenhall Lake Cabin Sample Photo Package

Fire Ring:



*Example from Seal Point, Kake. Drawn by Carol Jensen.







Gabion Benches



*Add spaces between the rock gabions supporting the seating to decrease overall material use if it does not significantly increase cost.



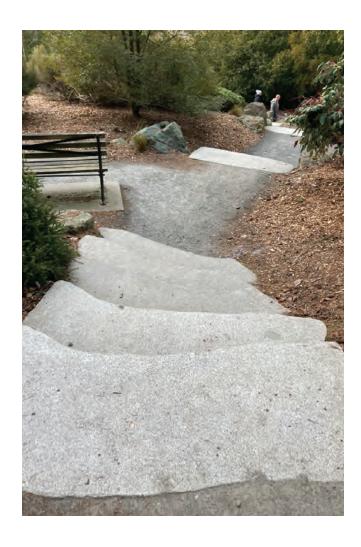




Stone Steps- Juneau:









Seating Stones:





Beach Picnic Area Table:



*Concrete with similated rock texture. Outdoor Creations 101FSR or similar



Gabion Retaining Walls:

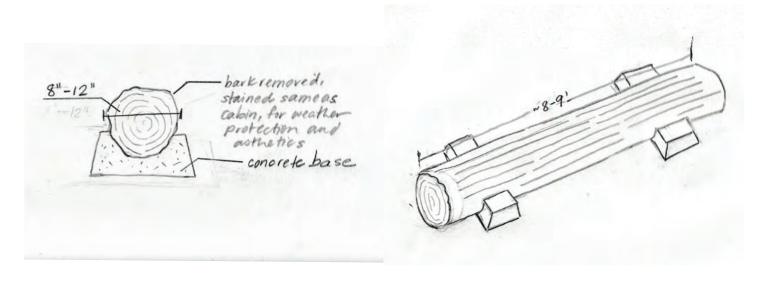








Parking Stops:



Pedestal Grill:



Pilot Rock Heavy-Duty Multi-Level Park Grill - or similar. See Lena Beach Recreation area for examples.



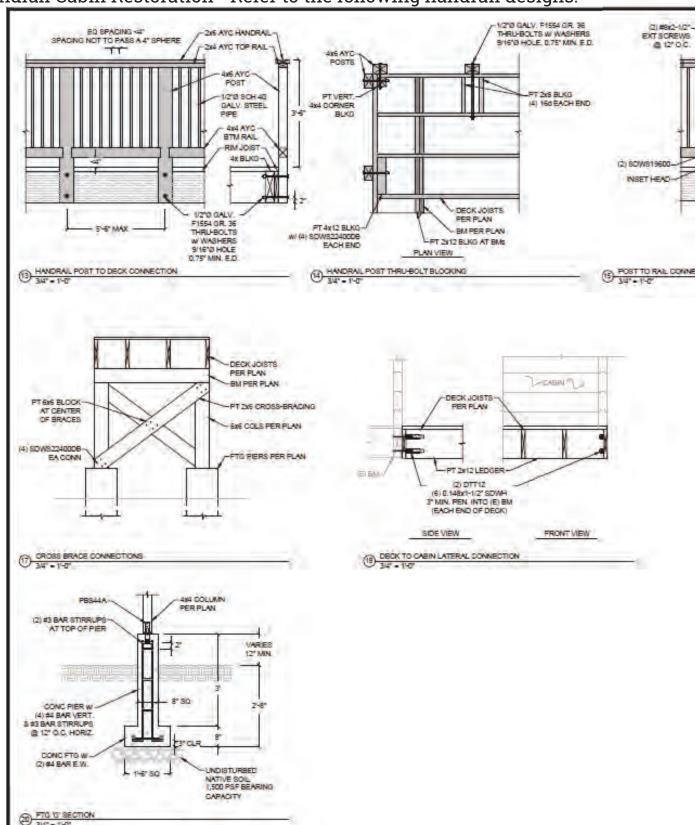
Windfall Cabin Railing Information:



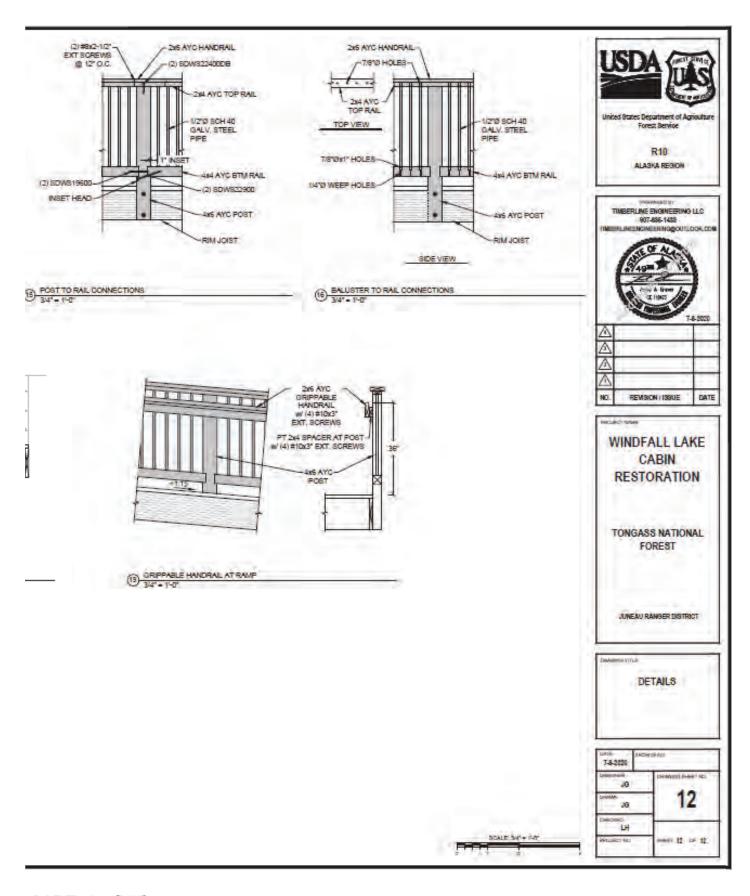




Windfall Cabin Restoration - Refer to the following handrail designs:











Tongass National Forest | R10-MB-840c | May 2023

Mendenhall Glacier Visitor Facility Improvements Project

Final Environmental Impact Statement



2.4 Mitigation Common to All Action Alternatives

In addition to complying with required consultation and coordination with Federal, State, local, and tribal entities (Section 1.6 and 1.7) and all applicable permits (Section 1.9), certain measures would be incorporated into all action alternatives intended to minimize, mitigate, or avoid anticipated impacts. These measures include best management practices (BMPs), resource-specific mitigation measures, and adaptive management strategies to gradually increase commercial use. Project components would be designed to meet applicable Forest Plan direction and Forest Service Manuals and Handbooks.

2.4.1 Best Management Practices

BMPs are methods, measures, or practices to directly or indirectly protect natural resources and abate or mitigate adverse impacts to those resources while meeting other resource goals and objectives. BMPs for recreation management, watershed management, wildlife and fisheries management, access and transportation management, and other forest management activities, are described in Forest Service Handbook 2509.22, Region 10 Soil and Water Conservation Handbook. They are the result of collaboration between the Forest Service and the State of Alaska to identify practices to minimize soil erosion and protect aquatic habitat to meet the requirements of the Clean Water Act (CWA). The invasive plant BMPs provided in the 2019 Guidance for Invasive Plan Management Program Tongass National Forest would also apply to this project (Krosse 2019). In addition to the State-approved BMPs, the Forest Service implements and monitors for National Core BMPs (USDA Forest Service 2012).

2.4.2 Resource-Specific Mitigation Measures

In addition to applicable BMPs, resource-specific project mitigation measures have been incorporated into all action alternatives. Mitigation measures minimize potential adverse effects from natural or human-caused disturbances. Design features and mitigation measures common to all action alternatives are described briefly below in Table 2-7.

Table 2-7. Resource-Specific Mitigation Measures

Resource	Mitigation Measures
Wildlife and Vegetation	• A seasonal closure from March 15 to August 15 will be enforced on activities within 600 feet of an active goshawk nest that create "continuous disturbance likely to result in nest abandonment" (USDA Forest Service 2016, p 4-96).
	• If a Bald Eagle nest is discovered, the Forest Service will follow the U.S. Fish and Wildlife Service (USFWS) National Bald Eagle Management Plan, and avoid habitat alterations and disturbance (including repeated human activity) within 330 to 660 feet (depending on activity) of all Bald Eagle nests (USFWS 2007).
	• For additional migratory bird nesting areas, the project will follow USFWS guidance for Southeast Alaska and will avoid land disturbance and tree cutting/clearing during the following periods for bird nesting areas (USFWS 2021):
	○ April 15 to July 15 within forested and woodland areas,
	○ May 1 to July 15 for shrub and open areas,
	o May 1 to September 5 for known seabird colonies, and
	o March 1 to August 31 for goshawk and eagle nesting habitat.
	• All commercial uses on the lake surface will comply with restrictions near gull colonies and tern nesting areas.
	• "No wake" areas will be designated on Mendenhall Lake near gull colonies and tern nesting areas.
	• All boats will be required to follow a route that minimizes disturbances to seabird and shorebird colonies and nesting areas.
	• Based on occasional harbor seal occurrence in Mendenhall Lake, any pile driving, dredging, and placement of fill in Mendenhall Lake will be conducted from June 1 to July 15 and November 1 to March 31 to avoid times when seals may be in the lake following seasonal salmon runs. Construction in the vicinity of known or possible shorebird and seabird nesting areas will be dependent on proper surveys and precautions to minimize disruptions to active or potential nesting locations.
	• Construction work occurring directly within mountain goat winter habitat would not take place between November 1 to April 30.
	• Glass treatments will be installed on the Welcome Center windows to reduce incidental bird strikes.
	Bear management guidelines will be revised at the time of project implementation.
	• Beaver management practices will be revised at the time of project implementation.
	• A survey for undocumented sensitive plant populations will be completed in the vicinity of all project components before construction.
	• All project actions will be implemented and operated in compliance with measures outlined in the associated Invasive Species Risk Assessment and Guidance for Invasive Plant Management Program Tongass National Forest.
	• Shoe cleaning stations with interpretive signage about invasive species would be placed at trailheads.

Resource	Mitigation Measures
Recreation	 New and redesigned facilities will meet accessibility standards as outlined for outdoor recreation areas in the USDA publication, Accessibility Guidebook for Outdoor Recreation and Trails (USDA Forest Service 2012a) and the Forest Service Outdoor Recreation Accessibility Guidelines.
	• Information regarding access to planned closures of facilities and trails will be posted at impacted areas (trailheads, parking lots, etc.) starting one month before facility or trail is closed and throughout construction activities.
	• Increases in commercial use will be phased in through use of an adaptive management plan (Appendix B).
	• An emergency plan would be developed for boat operations to ensure visitor safety in the event of boat grounding or sinking.
Watersheds, Wetlands, and Aquatic Habitat	• Ground disturbing activities will be avoided along the lakeshore from April 1 to May 31 (outmigration of salmon fry).
	• Instream work in Steep Creek will be conducted from June 1 through July 15 (period between outmigration of salmon fry and return of adult Sockeye Salmon).
	• The Forest Service will coordinate with ADF&G Habitat Section biologists to strategize removing and excluding fish if practicable during in-water work in Steep Creek.
	• Any pile driving, dredging, and placement of fill in Mendenhall Lake will be conducted from June 1 to July 15 (period between outmigration of salmon fry and return of adult Sockeye Salmon) and November 1 to March 31 (period between return of adult Coho Salmon and outmigration of salmon fry).
	• Boats will be prohibited from creating wakes in designated areas.
	• To mitigate for impacts to Zig Zag Pond and other essential fish habitat (EFH), Backside Pond would be enlarged and connected to Steep Creek.
	• Culverts and other drainage features will be constructed to facilitate the natural movement of water.
	• Where feasible, bridges would be prioritized over culverts for fish-bearing streams.
	• Stormwater discharges would be monitored to ensure that installed controls are functioning properly.
	• All project actions will be implemented and operated in compliance with measures outlined in the associated EFH Assessment.
	• An emergency plan would be developed for boat operations to limit impacts to water resources in the event of boat grounding, sinking, or fuel leak.
	• To reduce risks of contamination during sewage transfers, facilities would be maintained in accordance with Federal (CWA; 33 USC 1344), State (18 Alaska Administrative Code 60), and local regulations (05 CBJ Administrative Code 45.005), and direction given by Forest Service policy (Forest Service Manual 2330 and 7430; Forest Service Handbook 7409.11, Chapter 50).

Resource	Mitigation Measures
Heritage	• All project actions will be implemented and operated in compliance with the measures outlined in the Programmatic Agreement developed for this project with the Alaska State Historic Preservation Office.
	• If a previously unidentified archaeological or historic site(s) is encountered, the contractor will discontinue work in the general area of the site(s) and notify the contracting officer immediately. The contracting officer will notify a Forest Service archeologist to determine further action.
	• An interpretive plan will be implemented to serve as a guide for visitor education at the MGRA and present traditional Aak'w Kwaan ecological knowledge and stories alongside western science.
	• The Welcome Center will be constructed with exterior and interior features consistent with the Visitor Center and the architectural style with which it was built in the 1960s.
	 The Welcome Center will be placed out of the historic viewshed of the Visitor Center. For the Alternative 6 Welcome Center, a blasting plan will be developed and, at a minimum, include the following:
	 Blasting mats will be required to prevent flyrock and limit air blast from affecting the Visitor Center and other facilities.
	 Presplitting via closely spaced drill holes will be required to limit blast impact on final wall and control direction of blast forces.
	o If deemed necessary, perimeter blasting will be required.
	 o If deemed necessary to limit break and shatter, the final wall will be trim blasted. o Seismic waves will be limited via delay blasting and limited overall blast size and a 'scaled distance' of 60 or greater is expected.
	 Individual blasts will be designed to ensure vibration levels at the Visitor Center are maintained below 2 inches per second (50 millimeters per second) and air blast maintained below 0.3 kilopascals.
	 Monitoring will be in place to ensure vibrations levels and air blasts stay below designated limits.
Air Quality	• Bus engine idling will be prohibited while buses are parked, or when waiting to load passengers for longer than five minutes.
	• Construction site BMPs would be used to control fugitive dust in the project area and along access roads during construction in accordance with Alaska air quality regulations at 18 Alaska Administrative Code 50.045(d) as well as Federal and local requirements.
	• Excavation, grading, and blasting activities would be suspended during air quality emergencies in the Mendenhall Valley, or when high winds or visible dust are present.
	• If open burning is chosen as the preferred method of disposal of organic debris during construction, the CBJ Fire Department would first be contacted to obtain a burn permit and the contractors would employ reasonable procedures to minimize adverse air quality impacts and limit the amount of smoke generated.
Climate Change	All proposed buildings will meet Forest Service sustainability requirements, including LEED Silver certification (representing sustainable design choices for new building elements such as lighting, heating and ventilation, materials, and construction site management) for the new Welcome Center.
Socioeconomics	Public service announcements and other public outreach will occur prior to construction activities.

Attachment D

NFF Funding Code: 1593088

NFF Funding Name: CCS Alaska Cabins

Funder Agreement ID: 23-CS-11100100-001

Flowdown Provisions

DAVIS BACON WAGES FOR CONSTRUCTION.

Following the requirement in Section 41101 of the Bipartisan Infrastructure Law, P.L. 117-58, Davis-Bacon wage rates must be applied for all laborers and mechanics employed by contractors or subcontractors in the performance of construction, alteration, or repair work on a project assisted in whole or in part by funding made available under this Act. Laborers and mechanics shall be paid wages at rates not less than those prevailing on similar projects in the locality, as determined by the Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code (commonly referred to as the "Davis-Bacon Act").

COPYRIGHTING

Award Recipient or Contractor is/are granted sole and exclusive right to copyright any publications developed as a result of this agreement. This includes the right to publish and vend throughout the world in any language and in all media and forms, in whole or in part, for the full term of copyright and all renewals thereof in accordance with this agreement.

No original text or graphics produced and submitted by the U.S. Forest Service must be copyrighted. The U.S. Forest Service reserves a royalty-free, nonexclusive, and irrevocable right to reproduce, publish, or otherwise use, and to authorize others to use the work for Federal Government purposes. This right must be transferred to any sub-agreements or subcontracts.

This provision includes:

- The copyright in any work developed by Award Recipient or Contractor under this agreement.
- Any right of copyright to which Award Recipient or Contractor purchase(s) ownership with any Federal

contributions.

PROHIBITION AGAINST INTERNAL CONFIDENTIAL AGREEMENTS.

All non federal government entities working on this agreement will adhere to the below provisions found in the Consolidated Appropriations Act, 2016, Pub. L. 114-113, relating to reporting fraud, waste and abuse to authorities:

a. The recipient may not require its employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting them from lawfully reporting that waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

- b. The recipient must notify its employees, contractors, or subrecipients that the prohibitions and restrictions of any internal confidentiality agreements inconsistent with paragraph (a) of this award provision are no longer in effect.
- c. The prohibition in paragraph (a) of this award provision does not contravene requirements applicable to any other form issued by a Federal department or agency governing the nondisclosure of classified information.
- d. If the Government determines that the recipient is not in compliance with this award provision, it:
 - 1) Will prohibit the recipient's use of funds under this award, in accordance with sections 743, 744 of Division E of the Consolidated Appropriations Act, 2016, (Pub. L. 114-113) or any successor provision of law; and
 - 2) May pursue other remedies available for the recipient's material failure to comply with award terms and conditions.