Southeast General Contractors (SGC) is soliciting bids to purchase services as indicated in Appendix C - Scope of Work, Appendix D - Bid Schedule, and Appendix E - Specifications.

IMPORTANT NOTICE: If you receive this solicitation from SGC “Email Notice”, you must register with SGC to receive notification of subsequent amendments to the solicitation. Failure to register may result in the rejection of your bid. It is the bidder’s responsibility to ensure that they have received all addenda affecting this RFQ. To register, email Procurement@ccthita-nsn.gov with subject line: RFQ #23002 Registration.

BIDDER'S NOTICE: By signature on this form, the bidder certifies that they comply with the following:
1. the bidder has a valid Alaska business license or will obtain one prior to award of any contract resulting from this RFQ. If the bidder possesses a valid Alaska business license, the license number must be written below.
2. the price(s) submitted was arrived at independently and without collusion, under penalty of perjury, and that the bidder is complying with:

Myrna Gardner
Procurement Officer

5057 Concrete Way
Juneau, AK 99801
Phone: 907-463-8036
Email: procurement@ccthita-nsn.gov

Company submitting bid: ____________________________
Company Alaska Business License Number: _________
Federal Tax ID number: ____________________________

Authorized Signature: ____________________________
Printed Name: ____________________________
Date: ____________________________
Telephone number: ____________________________
Email address: ____________________________

*Does your business qualify for T&H Tribal Citizen-owned bidder preference? [ ] YES [ ] NO
*Does your business qualify for any other AN/Al bidder preference? [ ] YES [ ] NO
*Is your business classified as a Woman-owned Business? [ ] YES [ ] NO
*Is your business classified as a Small Business? [ ] YES [ ] NO

SOUTHEAST GENERAL CONTRACTORS-
REQUEST FOR QUOTE (RFQ) # 23002

Issue Date: August 5, 2023
Tlingit & Haida Haven House Project
Electrical Subcontractor
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The Scope of Work is outlined in the attached design plans for reference. The Scope of work includes the procurement and installation of electrical materials for the 1st floor portion. Electrical contractor to review, order and install all electrical materials. Please note that there is a currently renovated system on the existing 2nd floor that is to be excluded. The 1st and 3rd floor electrical systems will need to connect to the existing 2nd floor conduit.

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SECTION 1. INTRODUCTION & INSTRUCTIONS

SEC. 1.01 PURPOSE OF THE RFQ
Southeast General Contractors (SGC) is soliciting bids to purchase services as indicated in Appendix C - Scope of Work, Appendix D - Bid Schedule, and Appendix E - Specifications.

SEC. 1.02 DEADLINE FOR RECEIPT OF BIDS
Bids must be received no later than the time and date indicated in the RFQ Schedule, Sec. 1.14, at which time they will be opened. Late bids or amendments will be disqualified and not opened or accepted for evaluation.

SEC. 1.03 PRIOR EXPERIENCE
Minimum prior experience, if applicable, is indicated in the attached Specifications. A bidder's failure to meet these minimum prior experience requirements will cause their bid to be considered non-responsive and rejected.

SEC. 1.04 REQUEST FOR QUOTE (RFQ) REVIEW
Bidders shall carefully review this RFQ for defects and questionable or objectionable material. Comments concerning defects and questionable or objectionable material in the RFQ should be made in writing and received by the procurement officer at least ten days before the bid opening date. This will allow time for an amendment to be issued if one is required. It will also help prevent the opening of a defective bid, upon which award cannot be made, and the resultant exposure of bidders' prices.

SEC. 1.05 QUESTIONS PRIOR TO DEADLINE FOR RECEIPT OF BIDS
All questions must be in writing and directed to the procurement officer. The interested party must confirm telephone conversations in writing. Two types of questions generally arise. One may be answered by directing the questioner to a specific section of the RFQ. These questions may be answered over the telephone. Other questions may be more complex and may require a written amendment to the RFQ. The procurement officer will make that decision.

Procurement Officer Myrna Gardner Phone 907-463-7719

SEC. 1.06 SITE INSPECTION
Not Applicable

SEC. 1.07 SUBMITTING BIDS
Bids must be either Emailed, Hand Delivered or Mailed as follows:

    EMAIL: procurement@ccthita-nsn.gov

    HAND DELIVERED OR MAILED: The sealed bid package must be addressed as follows:

    CCTHITA- Procurement
    Attention: Myrna Gardner
    Invitation to Bid (RFQ) Number: 23002
    RFQ Title: T&H Haven House Project
    Po Box 25500
    Juneau, AK 99801

It is the bidder’s responsibility to contact the issuing division at 907-463-8036 to confirm that the bid has been received. T&H nor SGC is not responsible for unreadable, corrupt, or missing attachments.

SEC. 1.08 BID FORMS
Bidders shall use the front page of this RFQ and any other forms identified in this RFQ for submitting bids. All bids must be signed by an individual authorized to bind the bidder to the provisions of the RFQ. Bidders shall complete the Contractor’s Qualification Statement questionnaire.
BIDDER'S CERTIFICATION
By signature on the bid, the bidder certifies that they comply with the following:

A. all terms and conditions set out in this RFQ;
B. the price(s) submitted was arrived at independently arrived and without collusion, under penalty of perjury; and
C. that the bid will remain open and valid for at least 30 days.

If any bidder fails to comply with [a] through [c] of this paragraph, the tribe reserves the right to disregard the bid, terminate the contract, or consider the contractor in default.

CONFLICT OF INTEREST
Each bid shall include a statement indicating whether or not the company or any individuals working on the contract has a possible conflict of interest (e.g., currently employed by T&H or SGC or formerly employed by the T&H or SGC within the past two years) and, if so, the nature of that conflict. The procurement officer reserves the right to consider a bid non-responsive and reject it or cancel the award if any interest disclosed from any source could either give the appearance of a conflict or cause speculation as to the objectivity of the contract to be performed by the bidder.

SEC. 1.09 PRICES
This is a firm fixed price request for proposal. Offerors are to give one price that includes labor, material, overhead, G&A and profit.

SEC. 1.10 AMENDMENTS TO THE RFQ
If an amendment is issued, it will be provided to all who were notified of the RFQ and to Planholders who have registered with procurement at procurement@ccthita-nsn.gov

SEC. 1.11 RFQ SCHEDULE
The RFQ schedule set out herein represents the T&H & SGC’s best estimate of the schedule that will be followed. If an Activity of this schedule is changed, the schedule may be adjusted. All times are Alaska Time.

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<th>DATE</th>
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<td>08/11/2023</td>
</tr>
<tr>
<td>Deadline for Receipt of Bids / Bid Due Date</td>
<td>2:00 PM</td>
<td>08/16/2023</td>
</tr>
</tbody>
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This RFQ does not, by itself, obligate SGC. SGC’s obligation will commence when the contract is approved by SGC. Upon written notice to the contractor, SGC may set a different starting date for the contract. SGC will not be responsible for any work done by the contractor, even work done in good faith, if it occurs prior to the contract start date set by the SGC.

SEC. 1.13 FIRM, UNQUALIFIED, AND UNCONDITIONAL OFFER
Bidders must provide enough information with their bid to constitute a definite, firm, unqualified and unconditional offer. To be responsive a bid must constitute a definite, firm, unqualified and unconditional offer to meet all the material terms of the RFQ. Material terms are those that could affect the price, quantity, quality, or delivery. Also included as material terms are those which are clearly identified in the RFQ and which, for reasons of policy, must be complied with at risk of bid rejection for non-responsiveness.

SECTION 2. CONTRACT INFORMATION
SEC. 2.01 CONTRACT TERM
The length of the contract will be from the date of award until the time of completion and acceptance of work, not to exceed Ninety (90) days.
SEC. 2.02 CONTRACT ADMINISTRATION
The administration of this contract is the responsibility of the procurement officer or person appointed by SGC.

SEC. 2.03 CONTRACT FUNDING
Refer to Appendix A, A.13. SGC estimates a budget of between $50,000 and $150,000 dollars for this contract.

SEC. 2.04 CONTRACT EXTENSION
A month-to-month extension may only be executed by the procurement officer via a written contract amendment. Refer to Appendix A, A.15.

SEC. 2.05 CONTRACT CHANGES – UNANTICIPATED AMENDMENTS
During the course of this contract, the contractor may be required to perform additional work. That work will be within the general scope of the initial contract. When additional work is required, the SGC will provide the contractor a written description of the additional work and request the contractor to submit a firm time schedule for accomplishing the additional work and a firm price for the additional work. Cost and pricing data must be provided to justify the cost of such amendments.

The contractor will not commence additional work until the procurement officer has secured the required SGC approvals necessary for the amendment and issued a written contract amendment.

SEC. 2.06 SUB-SUBCONTRACTORS
Sub sub-contractors will not be allowed.

SEC. 2.07 CONTRACT PERFORMANCE LOCATION
The location(s) the work is to be performed and completed at 3202 Malissa Drive, Juneau, AK 99801.

SGC will not provide workspace for the contractor. The contractor must provide its own workspace.

By signature on their bid, the bidder certifies that all services provided under this contract by the contractor shall be performed in Juneau, Alaska.

SEC. 2.09 SCOPE OF WORK AND SPECIFICATIONS
Southeast General Contractors (SGC) is soliciting bids to purchase services and commodities as indicated in Appendix C - Scope of Work, Appendix D - Bid Schedule, and Appendix E - Specifications.

SEC. 2.10 F.O.B. POINT
The F.O.B. point for all items purchased under this contract is 3202 Malissa Drive, Juneau, AK 99801. Ownership of and title to the ordered items remains with the contractor until the items have been delivered to their final destination and are accepted by the SGC. The F.O.B. point is indicated in Appendix C - Scope of Work.

SEC. 2.12 INDEMNIFICATION
The contractor shall indemnify, hold harmless, and defend the SGC from and against any claim of, or liability for error, omission or negligent act of the contractor under this agreement. The contractor shall not be required to indemnify SGC for a claim of, or liability for, the independent negligence of SGC. If there is a claim of, or liability for, the joint negligent error or omission of the contractor and the independent negligence of SGC, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis.

“Contractor” and “SGC”, as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term “independent negligence” is negligence other than in the procurement division’s selection, administration, monitoring, or controlling of the contractor and in approving or accepting the contractor’s work.

SEC. 2.20 INSURANCE
Without limiting the contractor's indemnification, it is agreed that the contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the
Appendix A – General Conditions

contractor's policy contains higher limits, SGC shall be entitled to coverage to the extent of such higher limits.

Certificates of Insurance must be furnished to the procurement officer prior to contract approval and must provide for a notice of cancellation, non-renewal, or material change of conditions in accordance with policy provisions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the contractor's services. All insurance policies shall comply with and be issued by insurers licensed to transact the business of insurance under AS 21.

Proof of insurance is required for the following:

- **Construction Performance Bond:** The contractor shall provide and maintain a Performance Bond with a minimum coverage of $150,000.
- **Workers' Compensation Insurance:** The contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the state.
- **Commercial General Liability Insurance:** covering all business premises and operations used by the contractor in the performance of services under this agreement with minimum coverage limits of $300,000 combined single limit per occurrence.
- **Commercial Automobile Liability Insurance:** covering all vehicles used by the contractor in the performance of services under this agreement with minimum coverage limits of $100,000 combined single limit per occurrence.

SECTION 3. CONTRACT INVOICING AND PAYMENTS

SEC. 3.01 BILLING INSTRUCTIONS

Invoices must be submitted to the address listed here. SGC will make payment after it receives the goods or services and the invoice and has signed off on the work. Questions concerning payment must be addressed to SGC.

Annette Ulmer, Accountant
Southeast General Contractor
Via email: atulmer@tlingitandhaida.gov

SECTION 4. EVALUATION AND CONTRACTOR SELECTION

SEC. 4.01 EVALUATION OF BIDS

After bid opening, the procurement officer will evaluate the bids for responsiveness. Bids deemed non-responsive will be eliminated from further consideration.

SEC. 4.02 APPLICATION OF PREFERENCES

Tlingit and Haida has an Indian Preference Policy. The policy is

1. **Tribal Preference**
   (a) In the acquisition of goods and services, preference shall be afforded to businesses owned by Tribal citizens or other Native American Tribal citizens Indians who have the ability to provide/deliver the necessary quality and quantity of goods or services within the required time frame(s).
   (b) Goods and services to be acquired shall, when practical, be specified in sufficient detail to make price the deciding factor in the selection of the successful bidder. Agents of Central Council shall advise all prospective bidders of the bidding preference policy, as follows:
      (1) Preference shall be given first to businesses 100% owned by Central Council Tribal Citizens members; second to businesses 51% or more owned by Central Council Tribal Citizens member; and third to other Native American Tribal Citizens Indian owned businesses residing within the Tribe's general service area.
      (2) Central Council shall award contracts under preference to a qualified business when its bid is
responsive to all other conditions and does not exceed the lowest bid by the following percentages, when the lowest bid is:

(A) Ranges from $0 to $10,000: 10%
(B) Ranges from $10,001 to $50,000: 7%
(C) Ranges from $50,001 to $100,000: 5%
(D) More than $100,001: 2%
(E) Small and minority businesses, women's business enterprises firms should be used when possible.
(F) Central Council will not afford a preference to businesses with a poor record of performance.

SEC. 4.11 METHOD OF AWARD
Award will be made to the lowest responsive and responsible bidder and in accordance with T&H Preference policy. In order to be considered responsive, bidders must bid on all items.

SEC. 4.13 NOTICE OF INTENT TO AWARD
After the responses to this RFQ have been opened and evaluated, a notice of award will be given to the selected offeror. A company or person who proceeds prior to receiving a Purchase Order, Contract Award, or some other form of written notice from the procurement officer does so without a contract and at their own risk.

SECTION 5. GENERAL PROCESS AND LEGAL INFORMATION

SEC. 5.01 ALASKA BUSINESS LICENSE AND OTHER REQUIRED LICENSES
Prior to the award of a contract, a bidder must hold a valid Alaska business license. Prior to the deadline for receipt of bids, all bidders must hold any other necessary applicable professional licenses required by Alaska Statute.

SEC. 5.02 AUTHORITY
This RFQ is written in accordance with Tlingit & Haida Procurement Policies

SEC. 5.03 COMPLIANCE (Refer to Appendix A, A.9)

SEC. 5.04 SUITABLE MATERIALS, ETC. (Refer to Appendix A, A.2)

SEC. 5.05 SPECIFICATIONS
Materials used in the performance of this contract must meet the requirements of the Electrical Drawings provided by Northwind Architects T&H Haven House Project – Electrical date stamped 08.04.2023.

SEC. 5.06 RIGHT OF REJECTION
Bidders must comply with all of the terms of this RFQ, Procurement for Southeast General and all applicable local, state, and federal laws, codes, and regulations. The procurement officer may reject any bid that does not comply with all of the material and substantial terms, conditions, and performance requirements of the RFQ.

Bidders may not qualify the bid nor restrict the rights of SGC. If a bidder does so, the procurement officer may determine the bid to be a non-responsive counteroffer and the bid may be rejected.

Minor informalities that:

- do not affect responsiveness;
- are merely a matter of form or format;
- do not change the relative standing or otherwise prejudice other offers;
- do not change the meaning or scope of the RFP;
- are trivial, negligible, or immaterial in nature;
- do not reflect a material change in the work; or
may be waived by the procurement officer.

SGC reserves the right to refrain from making an award if it determines that to be in its best interest. **A bid from a debarred or suspended bidder shall be rejected.**

**SEC. 5.09** AUTHORITY NOT RESPONSIBLE FOR PREPARATION COSTS
SGC will not pay any cost associated with the preparation, submittal, presentation, or evaluation of any bid.

**SEC. 5.10** CONTRACT CANCELLATION
SGC reserves the right to cancel the contract at its convenience upon 30 calendar days written notice to the contractor. SGC is only liable for payment in accordance with the payment provisions of this contract for supplies or services provided before the effective date of termination.

**SEC. 5.18** GOVERNING LAW; FORUM SELECTION (Refer to Appendix A, A.18)

**SEC. 5.19** SOLICITATION ADVERTISING
SGC has solicited bids from contractors holding an active Alaska Business License.
SECTION 6. APPENDICES

APPENDIX A - GENERAL CONDITIONS

A.1 INSPECTIONS AND REPORTS
T&H and/or SGC may inspect, in the manner and at reasonable times it considers appropriate, all of the contractor's facilities and activities under this contract. The contractor shall make progress and other reports in the manner and at the times the department reasonably requires.

A.2 SUITABLE MATERIALS, ETC.
Unless otherwise specified, all materials, supplies or equipment offered by the contractor shall be new, unused, and of the latest edition, version, model as specified in the Architects drawings.

A.3 DISPUTES
If the contractor has a claim arising in connection with the contract that it cannot resolve with SGC by mutual agreement, it shall present its claim to Tlingit & Haida.

A.4 DEFAULT
In case of default by the contractor, for any reason whatsoever, SGC may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law or equity.

A.5 NO ASSIGNMENT OR DELEGATION
The contractor may not assign or delegate this contract, or any part of it, or any right to any of the money to be paid under it, except with the written consent of the Contracting Officer.

A.6 NO ADDITIONAL WORK OR MATERIAL
No claim for additional supplies or services, not specifically provided in this contract, performed or furnished by the contractor, will be allowed, nor may the contractor do any work or furnish any material not covered by the contract unless the work or material is ordered in writing by the Procurement Officer.

A.7 INDEPENDENT CONTRACTOR
The contractor and any agents and employees of the contractor act in an independent capacity and are not officers or employees or agents of SGC in the performance of this contract.

A.8 COMPLIANCE
In the performance of this contract, the contractor must comply with all applicable federal, state, and borough regulations, codes, and laws, and be liable for all required insurance, licenses, permits and bonds.

A.9 CONFLICTING PROVISIONS
Unless specifically amended and approved by the Tlingit & Haida Legal Counsel, the terms of this contract supersede any provisions the contractor may seek to add. The contractor may not add additional or different terms to this contract; The contractor specifically acknowledges and agrees that, among other things, provisions in any documents it sees to append hereto that purport to (1) waive the Tribes sovereign immunity, (2) impose indemnification obligations on SGC, or (3) seek to limit liability of the contractor for acts of contractor negligence, are expressly superseded by this contract and are void.
A.10 OFFICIALS NOT TO BENEFIT
Contractor must comply with all applicable tribal and/or federal laws regulating ethical conduct of officers and employees.

A.11 CONTRACT PRICES
Contract prices for commodities must be in U.S. funds.

A.12 CONTRACT FUNDING
Contractors are advised that funds are available for this project.

A.13 FORCE MAJEURE
The parties to this contract are not liable for the consequences of any failure to perform, or default in performing, any of their obligations under this Agreement, if that failure or default is caused by any unforeseeable Force Majeure, beyond the control of, and without the fault or negligence of, the respective party. For the purposes of this Agreement, Force Majeure will mean war (whether declared or not); revolution; invasion; insurrection; riot; civil commotion; sabotage; military or usurped power; lightning; explosion; fire; storm; drought; flood; earthquake; epidemic; quarantine; strikes; acts or restraints of governmental authorities affecting the project or directly or indirectly prohibiting or restricting the furnishing or use of materials or labor required; inability to secure materials, machinery, equipment or labor because of priority, allocation or other regulations of any governmental authorities.

A.14 CONTRACT EXTENSION
Unless otherwise provided, SGC and the contractor agree: (1) that any holding over of the contract excluding any exercised renewal options, will be considered as a month-to-month extension, and all other terms and conditions shall remain in full force and effect, and (2) to provide written notice to the other party of the intent to cancel such month-to-month extension at least thirty (30) days before the desired date of cancellation.

A.15 SEVERABILITY
If any provision of the contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions will not be affected; and, the rights and obligations of the parties will be construed and enforced as if the contract did not contain the particular provision held to be invalid.

A.16 CONTINUING OBLIGATION OF CONTRACTOR
Notwithstanding the expiration date of this contract, the contractor is obligated to fulfill its responsibilities until warranty, guarantee, maintenance and parts availability requirements have completely expired.

A.17 GOVERNING LAW; FORUM SELECTION
The validity, interpretation and performance of this Agreement shall be governed by: first, the law of the Central Council of Tlingit and Haida Indian Tribes of Alaska, including traditional tribal law and tribal common law; second, federal law, including federal statutory and common law; and third, in the absence of applicable tribal and federal law, the laws of the State of Alaska, provided, however, that references to the laws of the State of Alaska shall not be construed as an admission or concession by Grantee that the State of Alaska or any subdivision or agency thereof has authority to promulgate laws applicable to Grantee.

APPENDIX B – SOVEREIGN IMMUNITY
Central Council of Tlingit and Haida Indian Tribes of is a federally recognized Indian tribe and, as such, possess sovereign immunity. Neither this Agreement nor any provision in this Agreement is intended to be, shall be deemed to be or may be construed as a waiver of sovereign immunity. Nothing in this Agreement may be construed to constitute the agreement of either party to suit in the courts of the State of Alaska.
**DEBARMENT, SUSPENSION, INELIGIBILITY & VOLUNTARY EXCLUSION – 2 CFR 200.214; Executive Orders 12549 and 12689** [Applicable to all federally assisted contracts which exceed $25,000]

**Instructions for Certification:**

1. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective contractor and lower tier participants knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the SGC may pursue available remedies, including suspension and/or debarment.

2. The prospective contractor and lower tier participants shall provide immediate written notice to the SGC if at any time the prospective contractor and lower tier participants learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.


4. The prospective contractor and lower tier participants agrees by submitting this bid or proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized in writing by the SGC.

5. The prospective contractor and lower tier participants further agrees by submitting this bid or proposal that it will require the language of this certification be included in all subcontracts and all lower tier participants shall certify compliance with this requirement.

6. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non-procurement List issued by U.S. General Service Administration.

7. Nothing contained in the foregoing shall be construed to require establishment of system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

8. Except for transactions authorized under Paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to all remedies available to the Federal Government, the SGC may pursue available remedies including suspension and/or debarment.

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Lower Tier Covered Transaction**

(1) The prospective contractor and lower tier participants certifies, by submission of this bid or proposal, that neither it nor its "principals" is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or division.

(2) When the prospective contractor and lower tier participants is unable to certify to the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 2 CFR 180 apply to this certification and disclosure, if any.

**Signature of Contractor’s Authorized Official:**

**Name and Title of Contractor’s Authorized Official:**

**Date:**
CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING - 31 USC 1352
[Applicable to all federally assisted contracts and to all related subcontracts which exceed $100,000]

A bidder must submit to the SGC the below certification with its bid response for any federally assisted contract that exceeds $100,000. Bids that are not accompanied by a completed certification may be rejected as nonresponsive.

1. The undersigned Contractor certifies, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal division, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal division, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.

2. The undersigned also agrees that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

3. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 USC 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

   The Contractor, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 USC 3801, et seq., apply to this certification and disclosure, if any.

Signature of Contractor’s Authorized Official: ________________________________

Name and Title of Contractor’s Authorized Official: ________________________________

Date: ________________________________
APPENDIX C – SCOPE OF WORK

SCOPE OF WORK

ELECTRICAL CONTRACTOR SCOPE OF WORK: Contractor agrees to providing the following services:

- Electrical Contractor will provide drawings to SGC, no later than 6/10/2023, for all electrical installations required for Haven House. The drawings will include connections to the nearest service. James Bibb, North Wind Architects, LLC, (907-586.6150), can be contacted for additional information.

- Electrical Contractor will plan a work schedule consistent with the relevant contract drawings and Master Schedule provided by SGC. The Electrical Contractor will provide all drawings for electrical equipment and lighting, wiring and terminations, and all connections/interface with other trades (including SGC’s project work). On the Electrical Contractor’s schedule, there will be coordination, through SGC, for connections and the timing with the HVAC Contractor and Plumbing Contractor. The Contractor will state dates for interim inspections while areas remain open for viewing. The completion date and final inspection and testing will be stated on the Electrical Contractors schedule.
  - The Electrical Contractor’s schedule will be consistent with the timeline on the SGC Master Schedule and will be incorporated into the Master Schedule following approval.

- The Electrical Contractor will provide submittals to SGC for approval prior to the purchase all electrical equipment, fixtures, and items to be used on the project - consistent with electrical codes specified in the drawings, contract documents, and CBJ codes and practices. Delivery of supplies to the Haven House job site will be as-required-for-installation since there is no appreciable laydown area at the job site.

- The Electrical Contractor will install the electrical per the contract drawings and will submit an RFI to SGC for clarification or recommended changes/alterations that are consistent with preserving quality and best practice while meeting codes and standards as well as providing costs savings were this is thought to be applicable.

The Scope of Work is outlined in the attached design plans for reference. The Scope of work includes the procurement and installation of electrical materials for the 1st floor portion. Electrical contractor to review, order and install all electrical materials. Please note that there is a currently renovated system on the existing 2nd floor that is to be excluded. The 1st and 3rd floor electrical systems will need to connect to the existing 2nd floor conduit.

Including:

- Mount electrical panels
- Conduit and wiring where specified
- Romax
- Outlets
- J boxes
- Boxes
- Lights
- Electrical drops for modular walls

Please refer any scope of work questions to Electrical Engineer RESPEC.
1. **Submittals** – Provide Submittals in accordance with Appendix E – Specifications. Preliminary submittals shall be provided to the SGC within 14 days of contract award.

Haven House  
Juneau, AK

Southeast General Contractors RFQ#  
Appendix D – Scope of Work

**APPENDIX D – BID SCHEDULE**

<table>
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<th>No.</th>
<th>Item Description</th>
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<th>Unit Cost</th>
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<td>Labor</td>
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**Total Price $**

SCG has ordered everything per the schedule information except the Fan Schedule and the Ventilation Equipment. On M0.2 the Plumbing Fixture Schedule belongs to the Plumber. On drawings M2.1 and M2.2, SGC has ordered the PEX tubing. The Electrical Contractor will provide submittals to SGC for approval prior to the purchase all HVAC water, vent piping, registers and diffusers, and HVAC Electrical and electrical equipment and components for HVAC - consistent with Electrical codes specified in the drawings, contract documents, and CBJ codes and practices. Delivery of supplies to the Haven House job site will be as-required-for-installation since there is no appreciable laydown area at the job site.

**NOTES:**

1) See Appendix C for scope of work including requirements for submittals, equipment packaging, etc.
2) See Appendix C for F.O.B. point and required delivery. Note that a firm delivery significantly later than the required delivery date may cause a bid to be declared non-responsive.
3) Provide unit cost and extended cost for each item listed above. Provide a total cost for entire Offer.
4) For a bid to be considered responsive it must include the following:
   a. This Bid Schedule completed as indicated.
   b. The completed RFQ response (page 1 of the RFQ).
   c. Appendix E – Contractor Information.
   e. The completed Lobbying Certificate, Appendix B, Page B-5.
APPENDIX E – CONTRACTOR INFORMATION

SUBMITTED BY:  

(Insert name and address below.)  

SUBMITTED TO:  

Southeast General Contractors  

PO Box 25500  

Juneau AK 99802  

TYPE OF WORK TYPICALLY PERFORMED  
(Indicate the type of work your organization typically performs, such as general contracting, construction manager as constructor services, HVAC contracting, electrical contracting, plumbing contracting, or other.)  

THIS CONTRACTOR’S QUALIFICATION STATEMENT INCLUDES THE FOLLOWING:  

Exhibit A – General Information  
Exhibit B – Financial and Performance Information  
Exhibit C – Project-Specific Information  
Exhibit D – Past Project Experience  

CONTRACTOR CERTIFICATION  
The undersigned certifies under oath that the information provided in this Contractor’s Qualification Statement is true and sufficiently complete so as not to be misleading.

Organization’s Authorized Representative Signature  

Date  

Printed Name and Title  

Exhibit A – Company Information  

A.1 Name of Company  

A.1.1 Location  

A.1.2 Legal Status  
A.1.2.1 Identify the legal status under which your organization does business, such as sole proprietorship, partnership, corporation, limited liability corporation, joint venture, or other.  

A.1.2.2 How many years has your organization been in business?  

A.4 REFERENCES  
A.4.1 Identify three client references:  
(Insert name, organization, and contact information)  

Name, Organization  

Contact Information
A.4.2 Identify one bank reference:
(Insert name, organization, and contact information)

Bank name,

A.4.3 Identify three subcontractor or other trade references:
(Insert name, organization, and contact information)

Exhibit B – Financials

B.1.1 Federal tax identification number: ______________________

Exhibit C – Safety

C.3 SAFETY PROGRAM AND RECORD


Subcontractor shall comply with all current applicable laws and changes as they occur (including but not limited to legally binding codes, standards, and regulations, regarding environmental, safety and/or health matters, whether at the federal (OSHA), state (AKOSH), and/or local level). Subcontractor shall comply with these Safety Responsibilities and all safety-related provisions of Southeast General Contractors (SGC) Health & Safety plan, even if they are more stringent than the applicable laws. In the event of conflict between provisions of applicable laws and/or other provisions of these Safety Responsibilities, the more stringent requirement, as determined by the Contractor, shall govern.

Subcontractor shall participate in on-site safety meetings (including but not limited to Job Hazard Analysis, toolbox talks, site specific safety meetings, daily scope of work planning.)

Subcontractor shall notify SGC Safety Manager Joel Wolfe cell 907-209-3259 within one (1) hour of any incident involving injury (or near miss of injury/damage) to any person or property. In addition, each Subcontractor shall investigate and document all such incidents. Findings shall be documented in an incident report and submitted to SGC within 24 hours of the incident. All such incident reports will contain, but not be limited to;

• Date of event
• Chain of events leading to incident
• Impacted or injured parties (i.e., name, craft, position)
• Impacted property and estimated damage costs
• Primary and contributing causes of incident
- Immediate corrective measures taken
- Other items as requested by the Contractor
- Witness Statements

Exhibit D – Contractor’s Past Performance

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T&H HAVEN HOUSE PROJECT

OWNER
Tlingit and Haida
320 W. Willoughby Ave.
Juneau, AK 99801
(907) 463-7365
Elias Duran

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(907) 464-3006 ext. 302
James SBE

STRUCTURAL
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Juneau, AK 99801
(907) 354-5573
John Duques

MECHANICAL
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James Bibb

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Jake Graves

ARCHITECTURE
Northwind Architects
126 Seward Street
Juneau, AK 99801
(907) 321-4265 ext. 202
James Bibb

GENERAL NOTES
1. CONSTRUCTION IS TO BE IN COMPLIANCE WITH ALL LOCAL & FEDERAL BUILDING CODES.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK & NOTIFY ARCHITECT OF ANY DISCREPANCIES TO AS- BUILT CONDITIONS THAT SIGNIFICANTLY AFFECT THE WORK SCOPE.
3. WORK AREAS WILL BE LEFT CLEAN AND FREE OF ANY DEBRIS OR DUST AT THE END OF EACH SHIFT.
4. WITH COMPLETION OF PROJECT, CONTRACTOR TO PROVIDE PROJECT CLEANING OF ALL SURFACES INSIDE AND OUTSIDE OF THE BUILDING, AND OF THE SITE WITHIN THE PROPERTY LINES.
5. ALL TOOLS, CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE SECURELY STORED AT THE END OF EACH SHIFT. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SECURITY OF ALL TOOLS, CONSTRUCTION MATERIALS AND EQUIPMENT.
6. THE CONTRACTOR SHALL PROVIDE REFUSE SERVICES. A LOCATION NEAR THE BUILDING WILL BE DESIGNATED FOR A DUMPSTER. DELIVERIES AND STORAGE REQUIREMENTS ARE TO BE COORDINATED BY THE CONTRACTOR.
7. CONTRACTOR TO COORDINATE ALL HAZARDOUS WASTE REMOVAL AND DISPOSAL.
8. CONTRACTOR RESPONSIBLE FOR DESIGN, PERMITTING, AND WORK RELATED TO SPECIAL SYSTEMS.
9. NEW WORK IS BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY PROJECT MANAGER OF DISCREPANCIES TO AS- BUILT CONDITIONS THAT MAY AFFECT PRICE OR SCHEDULE.
10. ALL DIMENSIONS ARE TO EXTERIOR FACE OF FRAMING AT EXTERIOR WALLS, CENTER OF FRAMING AND TO FACE OF FINISH AT INTERIOR WALLS, TYPICAL.

PROJECT DESCRIPTION
THE SCOPE OF THIS PROJECT, DEFINED BY THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, IS FOR THE CONSTRUCTION OF A TWO-STORY R-4 GROUP HOME FOR 9 RESIDENTS AND ONE RESIDENT MANAGER. THE BUILDING IS WOOD FRAMED WITH RADIANT CONCRETE SLAB HEATING, A COMPOSITE SIDING RAINSCREEN, AND METAL STANDING SEAM ROOFING.

Inspections will not be performed without CBJ approved plans on site.
9/29/2022
1. PROVIDE SOLID BACKING FOR ALL ACCESSORIES.
2. ELEVATIONS SHOWN HEREIN REPRESENT TYPICAL.
3. INSTALLATION OF ALL SANITARY FACILITIES ACCESSIBLE TO THE DISABLED SHALL COMPLY WITH THIS DETAIL & APPLICABLE REGULATORY REQUIREMENTS.
DESCRIPTION:
The proposed project is a replacement of the existing congregate living home with a nine bedroom and five bathroom home, with a participant manager’s one bedroom and one bathroom quarters on the first floor.

ARCHITECTURE & INTERIORS:
NorthWind Architects
126 Seward St
Juneau, AK 99801
Ph #907.321.4265 Ext. 202
JAMES@NORTHINDARCH.COM

APPLICABLE CODES:
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL RESIDENTIAL CODE
2010 ANSI A117.1 - STANDARDS FOR ACCOMMODATING INDIVIDUALS WITH DISABILITIES
ALL OTHER CODES AND ORDINANCES AS AMENDED AND ADOPTED BY THE CITY AND BOROUGH OF JUNEAU (CBJ), ALASKA BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION)

BUILDING SQUARE FOOTAGE:
GROSS BUILDING AREA: 4873 SF
GROSS 1ST FLOOR AREA: 2398 SF
GROSS 2ND FLOOR AREA: 2475 SF

OCUPANCY CLASSIFICATION (IBC CH. 3):
RESIDENTIAL GROUP: R-4

TYPES OF CONSTRUCTION (IBC CH. 6):
TYPE V - B, SPRINKLERED

FIRE PROTECTION SYSTEMS (IBC CH. 9):
FIRE EXTINGUISHERS - ONE TYPE 2A, 10BC FIRE EXTINGUISHER IS REQUIRED FOR EACH 3,000SF OF AREA AND NO MORE THAN 75' OF TRAVEL DISTANCE TO AN EXTINGUISHER (150'OC MAX) PER SECTION 906 OF THE IFC.

MEANS OF EGRESS (IBC CH. 10):
EMERGENCY LIGHTS & EXIT SIGNS: THE ENTIRE BUILDING IS REQUIRED TO HAVE EMERGENCY LIGHTING AND EXIT SIGNS PER SECTION 1006.1. EMERGENCY LIGHTS MUST BE A PART OF THE EMERGENCY POWER SYSTEM PER SECTION 1011.5.3.

ZONING:
D-5
LOT SIZE: 9000 SF
SETBACKS:
FRONT: 20'-0" 
SIDE: 5'-0" 
REAR: 20'-0"
MAX LOT COVERAGE: 50%

CONDITIONAL USE PERMIT ON PARCEL
• HOUSING FOR UP TO NINE WOMEN TRANSITIONING OUT OF PRISON
• PARKING FOR 10 RESIDENTS REDUCED TO 6 PARKING SPOTS, NOT BACK OUT OR STACKED
ARCHITECTURAL SPECIFICATIONS

DIVISION 03 - CONCRETE
033003 CAST IN PLACE CONCRETE: REFER TO STRUCTURAL DRAWINGS.

DIVISION 06 - WOOD AND PLASTICS:
061803 ROUGH CARPENTRY:
1. REFER TO STRUCTURAL DRAWINGS

062400 EXTERIOR ARCHITECTURAL WOODWORK:
- WOOD ENCAPSULATED COLUMN: TRIM, FOOSDS, BRACKETS.
- ALL WOOD COMPONENTS TO BE EPOXY PRIMER SEALED ON ALL SIDES PRIOR TO INSTALLATION, FASTENED WITH STAINLESS STEEL FASTENERS, AND PAINTED WITH TWO COATS OF PREMIUM QUALITY ACRYLIC HOUSE TRIM PAINT. COLORS TO BE COORDINATED WITH ARCHITECT.
- CIECT CELLULAR COMPOSITE SIDING INSIDE AND OUTSIDE CORNERS, AND EXTERIOR DOOR/DOORWAY TRIM

062432 INTERIOR ARCHITECTURAL WOODWORK:
- CASEWORK AND CABINETRY: SEE PLANS, SECTIONS, AND INTERIOR ELEVATIONS.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION:
072300 INSULATION:
- AT EXTERIOR WALLS:
  1. R30: CLOSED CELL SPRAY URETHANE FOAM AT STUD CAVITIES
     A. WALLS: FULL DEPTH OF FRAMING CAVITIES, RIM JOISTS TO MATCH
  2. PROVIDE ALL DRYWALL MUDS AND TAPES, TEXTURES. PAINT OUT AS REQUIRED TO BLEND WITH SURROUNDING.

072300 WEATHER BARRIERS:
- WALL: 1/8" THICK X 3" TALL WOOD WALL BASE, PAINTED.
- DOOR TRIM: 1/8" THICK X 4" FACE WOOD TRIM, PAINTED.
- STAIRS:
  1. THREADS: LVT FLOORING WITH BULLNOSE TRIM PACKAGE
  2. REGIES: LVT FLOORING
  3. HARDWARE: COMPLAINT HARDWARE ON STEEL BRACKETS.

072303 VAPOR BARRIERS:
- AT INDOOR SIDE OF STUD, UNDERSIDE OF ROOF TRUSS, UNDER FLOOR SLAB IN NEW CRAWL SPACE, OVER GRADE AT EXISTING CRAWLSPACE:
  1. VH-1: HIGH DENSITY POLYETHYLENE SHEET VAPOR BARRIER
  2. SEAL ALL LAPSES AND PERIMETERS.

072400 EXTERIOR WALL AND ROOF ASSEMBLIES:
- ROOF CLADDING:
  1. CELLULAR COMPOSITE SIDING
     A. SHAPL#: UNIT PROFILE AT FIRST FLOOR
     B. BASE OF DESIGN: CELLULAR COMPOSITE SIDING, 7" CLAPBOARD, COLOR: SHALE
  2. CIRCULAR OR OTHER WATERS REFLECTED TO PENETRATE A SOLID NAILABLE SURFACE (FRAMING OR FURRING) A MINIMUM OF 3/4" IN DEPTH.
  3. REFERENCE 7" CLAPBOARD VS. 1 X 8" WOOD PANEL FOR ONE STORY BUILDING. ALSO EXAMINE DECKING, TOOL RECOMMENDATIONS, INSTALLATION TECHNIQUES, AND OTHER SUBROOFING SPECIFICATIONS

- METAL ROOF CLADDING:
  1. STANDING SEAM, CONCEALED FASTENER 24 GA PVD COATED METAL ROOF PANELS
  2. A. BASIS OF DESIGN: IDEO BATTENLID HS 12" PAN FORMED METAL, COLOR: COAL BLACK
  3. PROVIDE CLAMPING TYPE SNOW STOP AT ALL EAVES

072600 SHEET METAL FLASHING COPING AND VENT SCREEN:
- ACCESSORY SHEETMETAL TO MATCH: CLOSED ROOF FASCIA WRAP, ROOFING PERIMETER FLASHINGS, GUTTERS AND DOWNSPOUTS, FLASHINGS AT FENESTRATION
- CORRUGATED AND FLASHING: J-HA PVD COATED STEEL SHEETMETAL. COLOR MATCH TO SIDING AND ROOFING, BLACK

DIVISION 09 - OPENS:
091800 EXT DOORS:
- FRONT DOOR:
  1. BASIS OF DESIGN: PRODUCT: BUILDERS CHOICE, CRAFTSMAN FIBERGLASS FRONT DOOR
  2. REFER TO STRUCTURAL DRAWINGS

092600 FIBERGLASS WINDOWS AND DOORS:
- WINDOW BASES OF DESIGN: MANUFACTURER: CELLECT, ULTRA-2000 SERIES
  1. BASIS OF DESIGN PRODUCTS:
     A. BASEMENT WINDOWS: ULTRA-2000 SERIES
     B. GLAZING: LOW-E COATED, INSULATED GLAZING UNITS (DOUBLE GLAZED)
  2. EXTERIOR INTERIOR FRAME FINISH: BLACK BEAN
  3. FIXED WINDOWS: ULTRA-2000 SERIES
     A. GLAZING: LOW-E COATED, INSULATED GLAZING UNITS (DOUBLE GLAZED)
     B. EXTERIOR INTERIOR FRAME FINISH: BLACK BEAN

091700 INTERIOR DOORS AND FRAMES:
- FACTORY CLEANED/GLAZED SOLID CORE WOOD DOORS WITH PAINTED WOOD FRAMES AND TRIM
  1. BASIS OF DESIGN: COMPOSITION HARDWARE
     A. BALL-BEARING HINGES
     B. DRAWER PULLS WITH ADJUSTABLE GLIDE MECHANISM

092200 GYPSUM BOARD:
- WALLS:
  1. PROVIDE METAL CORNER TRIMS AND J-MOULDINGS, AND VINYL EXPANSION JOINTS.

092900 INSULATION:
- A. AT INTERIOR GYPSUM WALLBOARD SURFACES PREP AND PAINT WITH ONE COAT PA PRIMER AND COATS REQUIRED TO COVER.

070200 APPLIANCES:
- FRIGIDAIRE, WHIRLPOOL, STAINLESS STEEL

071600 ELECTRICAL AND PLUMBING, HEATING & VENTILATION:
- PROVIDE ELECTRICAL AND PLUMBING, HEATING & VENTILATION SYSTEMS.

080500 FINISHES:
- WOOD AND PLASTICS:
  1. BASIS OF DESIGN PRODUCTS:
     A. CASEMENT WINDOWS: ULTRA-C SERIES
     B. BASEMENT WINDOWS: ULTRA-C SERIES
     C. GLAZING: LOW-E COATED, INSULATED GLAZING UNITS (DOUBLE GLAZED)
  2. EXTERIOR INTERIOR FRAME FINISH: BLACK BEAN
  3. FIXED WINDOWS: ULTRA-C SERIES
     A. GLAZING: LOW-E COATED, INSULATED GLAZING UNITS (DOUBLE GLAZED)
     B. EXTERIOR INTERIOR FRAME FINISH: BLACK BEAN

091900 SCAFFOLD SYSTEMS:
- FACTORY CLEANED/GLAZED SOLID CORE WOOD DOORS WITH PAINTED WOOD FRAMES AND TRIM

095500 CONCRETE AND PAVING:
- LVT TREADS: LVT FLOORING WITH BULLNOSE TRIM PACKAGE
- REGIES: LVT FLOORING
- HARDWARE: COMPLAINT HARDWARE ON STEEL BRACKETS.

091900 SCAFFOLD SYSTEMS:
- FACTORY CLEANED/GLAZED SOLID CORE WOOD DOORS WITH PAINTED WOOD FRAMES AND TRIM

T&H HAVEN HOUSE PROJECT

LEARNING SHIELD
09.02.2022

202200 ARCHITECTURAL SPECIFICATIONS

A02
09-02-2022
09-02-2022

@ NorthWind Architects, LLC; Project Number NWA-2208

Juneau, AK 99801
3202 Malissa Drive
**DOOR & FRAME SCHEDULE**

<table>
<thead>
<tr>
<th>No.</th>
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**WINDOW SCHEDULE**

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**ADA DOOR NOTE**

Accessibility compliance is determined based on the placement and configuration of accessible doors. Interior doors are identified with the Raster symbol (---) to denote accessibility compliance. The clearances indicated in the diagram below are to be determined by the Architect as required.

![Diagram](image-url)
**ROOM FINISH SCHEDULE**

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<tr>
<th>NO.</th>
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**FINISH LEGEND**

**P-1**
- **GENERAL PAINT**
  - **MFR:** SHERWIN WILLIAMS
  - **COLOR:** SW6253 OLYMPUS WHITE
  - **FINISH:** EGGSHELL

**P-2**
- **ACCENT PAINT**
  - **MFR:** SHERWIN WILLIAMS
  - **COLOR:** SW9161 DUSTBLU
  - **FINISH:** SEMI-GLOSS

**LIN-1**
- **LINOLEUM SHEET RESILIENT FLOOR COVERING**
  - **MFR:** FORBO
  - **PRODUCT:** MARMOLEUM
  - **COLOR:** DOVE BLUE
  - **SIZE (NOMINAL):** 79"X105'
  - **THICKNESS:** 2.5 MM
  - **BACKING:** JUTE

**LVT-1**
- **LUXURY VINYL TILE**
  - **MFR:** XL FLOORING
  - **PRODUCT:** EZ FIT
  - **COLOR:** WOLF RIVER
  - **SIZE (NOMINAL):** 7"X48"
  - **THICKNESS:** 5.0 MM
  - **BACKING:** SOUND ABSORBING EZ LAY BACKING

**SSM-1**
- **SOLID SURFACE MATERIAL**
  - **MFR:** CORIAN
  - **COLOR:** WITCH HAZEL
  - **THICKNESS:** 1/2" Location: Counters; Rooms 101, 102, 106, 110

**BEADBOARD WAINSCOT**
- **MFR:** TYPICAL
  - **COLOR:** PT-2, SW 9161
  - **FINISH:** SEMI-GLOSS

**FINISH KEY**

```
1 2 3 4
A B C D
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**FINISH SCHEDULE**

**FIRST FLOOR FINISH PLAN**

**SECOND FLOOR FINISH PLAN**

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**FINISH SCHEDULE**

**T&H HAVEN HOUSE PROJECT**

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**T&H HAVEN HOUSE PROJECT**

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**EXTRA SHEET/A0.4**

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**EXTRA SHEET/A0.4**
1. All dimensions to exterior face of finish at building perimeter, centerline of structural framing and/or face of finish at interior walls.
2. Contractor shall field verify all dimensions. Where discrepancies or conflicts arise, immediately notify architect.
3. Doors are dimensioned to centerline of opening. Where doors are immediately adjacent to partitions and are not dimensioned, provide min 3” jamb framing.
4. Windows are dimensioned to edges of window jambs.
5. Do not scale off of drawings.
6. All partitions are type P4, UNI.
7. Structural elements shown in architectural drawings for reference only. See structural drawings for all structural information.

KEYNOTES
1. Exterior-covered porch
2. Exterior ADA ramp, wood framed or conc. TBD by contractor.
3. Exterior staircase, wood framed or conc. TBD by contractor.
4. Exterior planter, wood framed or conc. TBD by contractor.
5. 24” wide, stacked personal cubbies
6. Heavy duty shelving
7. Built in storage
8. Built in entertainment center
9. Window seat
10. Exterior-covered deck
11. Cubbies for residents
1. All dimensions to exterior face of finish at building perimeter, centerline of structural framing and/or face of finish at interior walls.

2. Contractor shall field verify all dimensions, where discrepancies or conflicts arise, immediately notify architect.

3. Doors are dimensioned to centerline of opening. Where doors are immediately adjacent to partitions and are not dimensioned, provide min 3" jamb framing.

4. Windows are dimensioned to edges of window jambs.

5. Do not scale off of drawings.

6. All partitions are Type P4, UnG.

7. Structural elements shown in architectural drawings for reference only. See structural drawings for all structural information.

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General Notes

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Keynotes

1. All bedrooms to be furnished with single bed and wardrobe.
2. 36" single sink vanity.
3. 36"x36" walk in shower.
4. 24" single sink vanity.
5. 48" single sink vanity.
6. 60" bathtub.
GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.

2. DO NOT SCALE OFF OF DRAWINGS.

3. DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.

4. PROVIDE GUTTERS AND DOWNSPIUTS FOR ALL EAVES.

5. STRUCTURAL ELEMENTS SHOWN IN ARCHITECTURAL DRAWINGS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

ROOF PLAN KEY NOTES

1. SEE TRUSC FOR TRUSS DESIGN AND SLOPE
2. COMMERCIAL GUTTERS AT EAVES
3. DOWNSPOUT
4. VENT, COORDINATE W/ MECHANICAL

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.

DO NOT SCALE OFF OF DRAWINGS.

DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.

PROVIDE GUTTERS AND DOWNSPOUTS FOR ALL EAVES.

STRUCTURAL ELEMENTS SHOWN IN ARCHITECTURAL DRAWINGS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

1. SEE TRUSC FOR TRUSS DESIGN AND SLOPE
2. COMMERCIAL GUTTERS AT EAVES
3. DOWNSPOUT
4. VENT, COORDINATE W/ MECHANICAL
1. CONTRACTOR SHALL FIELD VERIFY ACTUAL BUILDING CONDITIONS AND DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARE FOUND, NOTIFY ARCHITECT PRIOR TO COMMENCING WORK.

2. DO NOT SCALE OFF OF DRAWINGS.

3. DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNLESS OTHERWISE NOTED.

4. STRUCTURAL ELEMENTS SHOWN IN ARCHITECTURAL DRAWINGS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

GENERAL NOTES

KEYNOTES

1. CLADDING 1: SAWN SHINGLE PROFILE RAINSCREEN
2. CLADDING 2: 6" BEVELED HORIZONTAL RAINSCREEN
3. FIBER CEMENT INSUL PROTECTION PANEL
4. CRAFTSMAN HALF BOX COLUMNS
5. CRAFTSMAN FULL BOX COLUMNS
6. ADA RAMP TO 2'-0" GRADE
7. PLANTER
8. HALF WALL
9. BRACKETS
10. 8" COMMERCIAL HALF ROUND GUTTERS
11. WOOD CAP AND WOOD SILL RAILING
12. HANDRAIL FOR RAMP
GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ACTUAL BUILDING CONDITIONS AND DIMENSIONS WHERE DISCREPANCIES OR CONFLICTS ARE FOUND. NOTIFY ARCHITECT PRIOR TO COMMENCING WORK.

2. DO NOT SCALE OFF OF DRAWINGS.

3. DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.

4. STRUCTURAL ELEMENTS SHOWN IN ARCHITECTURAL DRAWINGS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

KEYNOTES

1. CLADDING 1: SAWN SHINGLE PROFILE RAINSCREEN
2. CLADDING 2: 6" BEVELED HORIZONTAL RAINSCREEN
3. FIBER CEMENT INSUL PROTECTION PANEL
4. CRAFTSMAN HALF BOX COLUMNS
5. CRAFTSMAN FULL BOX COLUMNS
6. ADA RAMP TO 2'-0" GRADE
7. PLANTER
8. HALF WALL
9. BRACKETS
10. 6" COMMERCIAL HALF ROUND GUTTERS
11. METAL RAILING

T&H HAVEN HOUSE PROJECT

3202 Malissa Drive
Juneau, AK 99801

NWA-2208

30/02/2022

06/02/2022

09/20/2022

1/4" = 1'-0"

2 BUILDING SECTION

1/4" = 1'-0"

1 BUILDING SECTION
1. All dimensions to exterior face of finish at building perimeter, centerline of structural framing and/or face of finish at interior walls.
2. Contractor shall verify all dimensions, where discrepancies or conflicts arise, immediately notify architect.
3. Doors are dimensioned to centerline of opening. Where doors are immediately adjacent to partitions and are not dimensioned, provide min 3" jamb framing.
4. Windows are dimensioned to edges of window jambs.
5. All partitions are type P4, UNO.

**GENERAL NOTES**

**KEYNOTES**

1. Oven and range that meet ADA specifications. Range hood above with ADA accessible switch.
2. ADA sink base and sink.
3. Full height pantry cabinet for food storage.
4. Full refrigerator.
5. Full freezer.
6. Under counter microwave.
7. Top oven and range, with range hood above.
8. Typical sink with sink base.
9. ADA grab bar.
10. ADA sink base.
11. ADA transfer shower.
12. ADA/Med locker.
13. ADA sink base.
14. ADA transfer shower.
15. Coat rack.
GENERAL NOTES

1. ALL DIMENSIONS TO EXTERIOR FACE OF FASADE AT BUILDING PERIMETER, CENTERLINE OF STRUCTURAL FRAMING AND/OR FACE OF FINISH AT INTERIOR WALLS.

2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.

3. DOORS ARE DIMENSIONED TO CENTERLINE OF OPENING. WHERE DOORS ARE IMMEDIATELY ADJACENT TO PARTITIONS AND ARE NOT DIMENSIONED, PROVIDE MIN 3" JAMB FRAMING.

4. WINDOWS ARE DIMENSIONED TO EDGES OF WINDOW JAMBS.

5. ALL PARTITIONS ARE TYPE P4, UNO.

KEYNOTES

36"X 58" WALK IN SHOWER
48" VANITY WITH MIRROR ABOVE
FULL REFRIGERATOR/FREEZER UNIT
24" OVEN/RANGE
36" DOUBLE BOWL SINK
FLOOR HEIGHT MOP STATION
STACKED WASHER/DRYER UNITS
BASE CABINETS WITH COUNTERTOP FOR FOLDING LAUNDRY
SHELVING ABOVE

T&H HAVEN HOUSE PROJECT

3202 Malissa Drive
Juneau, AK 99801

NorthWind Architects, LLC
126 Seward St
Juneau, AK 99801
Ph #907.586.6150
www.northwindarch.com

1" ACTUAL

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABEL SCALES.

SHEET TITLE:
CHECKED
DRAWN
SHEET #
PLOT DATE
ISSUE DATE

09/20/2022

ENLARGED PLANS

06/02/2022

06/02/2022
1. ADA WORKSPACE/ BIN STORAGE
2. ADA SINK
3. COUNTER HEIGHT CHANGE
4. BLIND CORNER CABINET
5. UNDER COUNTER MICROWAVE
6. REFRIGERATOR/FREEZER COMBINATION
7. MOP STATION
8. STACKED WASHER/DRYER UNITS
9. SHELVING FOR CLEANING ITEMS/ PAPER PRODUCTS
10. COUNTERTOP
11. OPENING FOR LINT BIN

GENERAL NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.
2. DO NOT SCALE OFF OF DRAWINGS.
3. THE MAJORITY OF ALL FFE ITEMS ARE OFI AND ARE NOT IN CONTRACT. HOWEVER LIMITED ITEMS ARE SHOWN IN DRAWINGS FOR COORDINATION PURPOSES. SEE FFE SHEETS FOR GENERAL FFE INFORMATION AND PROJECT MANUAL FOR OFI FFE INFORMATION.

KEYNOTES
1. CUBBIES FOR RESIDENTS
2. ADA GRAB BAR
3. ADA TRANSFER SHOWER
4. ADA SINK BASE
5. ADA MIRROR

KEYNOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS WHERE DISCREPANCIES OR CONFLICTS ARISE. IMMEDIATELY NOTIFY ARCHITECT.
2. DO NOT SCALE OFF OF DRAWINGS.
3. THE MAJORITY OF ALL FFE ITEMS ARE OII AND ARE NOT IN CONTRACT. HOWEVER LIMITED ITEMS ARE SHOWN IN DRAWINGS FOR COORDINATION PURPOSES. SEE FFE SHEETS FOR GENERAL FFE INFORMATION AND PROJECT MANUAL FOR OII FFE INFORMATION.

GENERAL NOTES

09/20/2022

A5.1

T&H HAVEN HOUSE PROJECT

3202 Malissa Drive
Juneau, AK 99801

NWA-2208

INTERIOR ELEVATIONS

1/2" = 1'-0"

1 ADA BATH

2 ADA BATH

3 ADA BATH

4 P.M APT KITCHEN

5 P.M APT KITCHEN
1. Contractor shall field verify all dimensions. Where discrepancies or conflicts arise, immediately notify architect.
2. Do not scale off of drawings.
3. The majority of all FFE items are of O&I and are not in contract. However, limited items are shown in drawings for coordination purposes. See FFE sheets for general FFE information and project manual for O&I FFE information.

KEYNOTES

1. 48" Vanity with mirror
2. 48" Wainscoting, PNT
3. Med locker
4. Mail cabinet
5. Coat rack
6. Bench with shoe storage
7. Transom window
8. Built-in with countertop
9. Entertainment center with storage below
10. Window seat with storage below

GENERAL NOTES

1" ACTUAL

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABEL SCALES.
1. Sheetmetal roofing with underlayment
2. Sheetmetal gutter assembly with clips and eave flashing
3. Tall metal roofing over joists
4. Tall metal flashing over blocking between joists
5. Insulation
6. Sheetmetal flashing clip with venting profile
7. Wood soffit
8. Sheetmetal cladding over weather barrier
9. Insulation

**TYP. EVE**

1. Ventilated cavity 1.5" clear min.
2. 1.5" thick XPS rigid insulation, cut tight between joist web below flanges to serve as mineral fiber insulation baffle
3. Sheetmetal roofing
4. Cor-A-Vent at vertical box profile of siding

**TYP. RAKE**

1. Ventilated cavity 1.5" clear min.
2. 1.5" thick XPS rigid insulation, cut tight between joist web below flanges
3. Sheetmetal roofing
4. Cor-A-Vent at vertical box profile of siding
1. STAINLESS STEEL 5 KNUCKLE HINGES, BOLTED TO DOORS AND SIDES
2. PLAM FACED PLYWOOD, 3/4"
3. PLAM FACED ON PLYWOOD CORE
4. RB-2

CASEWORK - TALL

STAIR - CROSS SECTION

CASEWORK @ LOWER SINK

CASEWORK @ LOWER

STAIR @ FLOOR ABOVE

STAIR @ LANDING

STAIR @ FLOOR
1. PREFINISHED DOOR
   FRAME
2. DOOR PER
   SCHEDULE

---

1. INTERIOR DOOR HEAD
2. INTERIOR DOOR JAMB
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.
2. DO NOT SCALE OFF OF DRAWINGS.
3. COORDINATE LOCATION OF ALL MEP ITEMS WITH MEP.
4. LINEWORK DEPICTING CEILING PENETRATIONS ARE SHOWN FOR REFERENCE ONLY. SEE MEP.
5. ALL CEILINGS ARE AT 9'-0" UNO.
6. ALL GWS CEILINGS.

RCP KEY NOTES

1. SECURITY CAMERA

GENERAL NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS WHERE DISCREPANCIES OR CONFLICTS ARISE, IMMEDIATELY NOTIFY ARCHITECT.
2. DO NOT SCALE OFF OF DRAWINGS.
3. COORDINATE LOCATION OF ALL MEP ITEMS WITH MEP.
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5. ALL CEILINGS ARE AT 9'-0" UNO.
6. ALL GWB CEILINGS.

RCP KEY NOTES

1. SECURITY CAMERA.
1. FRAMING DETAILS SHOWN ARE APPROXIMATE ONLY AND MAY NOT DEPICT ALL REQUIRED FRAMING AND/OR BLOCKING.
2. INSTALL SUPTON-H1 HOLDOWN AT TRUSSES AND OUTLOOK RAIETERS.
3. ATTACH PERIMETER ROOF BLODDING TO TOP PLATES W/ 16D T.X. @ 4" O.C.
4. ROOF SHEATHING SHALL BE EXTERIOR RATED 1920' PLYWOOD WITH A 4020 SPAN RATING, NAIL W/ 15D AT 6" O.C. EDGE AND 12" O.C. FIELD, STAGGER JOINTS.
5. PRE-ENGINEERED TRUSSES AT 24" O.C. PER MANUFACTURER, VERIFY ALL DIMENSIONS.

**SHEAR WALL SCHEDULE**

<table>
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<tr>
<th>No.</th>
<th>MATERIAL</th>
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<td>6@ 8&quot; O.C. EDGES &amp; 12&quot; O.C. FIELD, UNBLOCKED</td>
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<td>PER PLAN</td>
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<td>15/32&quot; P/V OR C/B</td>
<td>6@ 8&quot; O.C. EDGES &amp; 12&quot; O.C. FIELD, BLOCK ALL PANEL EDGES</td>
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<td>PER PLAN</td>
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<tr>
<td>3</td>
<td>15/32&quot; P/V OR C/B</td>
<td>6@ 8&quot; O.C. EDGES &amp; 12&quot; O.C. FIELD, BLOCK ALL PANEL EDGES</td>
<td>Plate Below</td>
<td>PER PLAN</td>
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*VERTICAL, ROOF HOLDOWN STRAPS TO BE CENTERED ON FLOOR W/ (2) 2X POSTS PER MANUFACTURER'S RECOMMENDATIONS.
4" MIN.

RIGID FOAM INSULATION
8 ML. VAPOR BARRIER
WELL-COMPACTED
SAND OR GRAVEL
ROUGHENED COLD JOINT

PER PLAN

2'-0" 2'-0"

(5) 30'-0" #4 BAR
SLOPE AT THRESHOLD
FOR EXTERIOR DOORS

SLAB AT EXTERIOR DOOR OPENINGS
1" ± 1/8"
**SCOPE OF WORK**

A. Provide heating, ventilation, plumbing, control and fire protection systems including, but not limited to, the following:

1. **Heating:** Provide a hydronic heating system consisting of an air-to-water heat pump, buffer tank with electrical heating element and domestic water supply circulator, pump, insulated piping, radiant manifolds and control, motors and apparatus.

2. **Ventilation:** Provide air ventilation systems, each consisting of a heat recovery unit, fan, motor, and ducts, and controls.

3. **Plumbing:** Provide plumbing fixtures, domestic water piping and appliance connections.

4. **Sewer Service:** Connect to the existing sewer lateral and extend to the building fixtures.

5. **Domestic Hot Water:** Provide electric hot water heater and a heat recovery system.

6. **Fire Protection:** Provide a fire protection system in accordance with NFPA 13E.

**Codes Compliance:** Conform to the applicable edition of the following codes:

1. International Building Code - 2018 as modified by City and Borough of Juneau Title 19
2. International Mechanical Code - 2018 as modified by City and Borough of Juneau Title 19
3. Uniform Plumbing Code - 2018 as modified by City and Borough of Juneau Title 19
4. International Fire Code - 2018

**GENERAL NOTES**

A. General

1. Caring and Protecting: No cutting of structural members or structure is allowed except Owner approval.

2. Concrete Rebar: Provide concrete rebar under mechanical equipment in mechanical spaces.

3. Coordinate size and location with equipment.

4. Piping and equipment shall be supported based on seismic category 'D'. Submit seismic contract documents prior to installation.

5. Coordinate the location of mechanical systems with the work, construction phasing and structural requirements.

6. Average work to provide ventilation access to removable or operable equipment by a person standing on the floor. Provide access doors for concealed items, rated for the assembly.

**Drawing Index**

M0.1 Scope of Work, Symbols and General Notes
M0.2 Schedules
M1.0 Scope of Work
M1.1 First Floor Plan
M1.2 Second Floor Plan
M1.3 Mechanical Room Plans and Schematics
M1.4 First Floor Mechanical Plan
M1.5 Second Floor Mechanical Plan
M2.0 Plumbing and Control Diagrams
M3.0 Ventilation System Diagrams
M1.6 Refrigerator Plan
M2.1 Ductwork Plan
M3.1 HVAC System Diagrams
M3.2 Mechanical Systems Diagrams
M3.3 Plumbing and Control Diagrams

**Plans Subject to Inspections**

9-26-2022 STW

**All Plumbing work shall comply with the requirements of the 2018 UFC Code as modified by CBJ Title 19.**

**All Mechanical work shall comply with the requirements of the 2012 IPC Code as modified by CBJ Title 19.**

Inspections will not be performed without CBJ approved plans on site.

**SCOPE OF WORK, SYMBOLS AND GENERAL NOTES**

**SYMBOLS & ABBREVIATIONS**

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<th>Symbol</th>
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**SYMBOLS & ABBREVIATIONS**

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<td>Water Closet</td>
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<td>R</td>
<td>Radiator</td>
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<td>FM</td>
<td>Damper</td>
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<td>Line</td>
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<tr>
<td>G</td>
<td>Ground</td>
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## AIR-TO-WATER HEAT PUMP SCHEDULE

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<th>Symbol</th>
<th>Make</th>
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## BALANCE VALVE SCHEDULE

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## PUMP SCHEDULE

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## EXPANSION TANK SCHEDULE

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## HEATER SCHEDULE

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## PLUMBING FIXTURE SCHEDULE

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## WATER HEATER SCHEDULE

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## WATER RECOVERY UNIT SCHEDULE

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## VENTILATION EQUIPMENT

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## BUFFER TANK SCHEDULE

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## HEAT RECOVERY UNIT SCHEDULE

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## PLUMBING FIXTURE SCHEDULE

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## SYMBOL SCHEDULE

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</table>
Drawing Notes:

1. Connect to the water main under Malissa Street. Repair the street surfaces and install the water service to the building in accordance with CBJ standards. Minimum 5' bury per CBJ requirements.

2. Connect to existing 4" sewer branch and install buried sewer in accordance with CBJ standards.

General Notes:

- Elevations are in relation to an assumed first floor elevation of 38.00'.

Project Description: Installation of (1) 1 1/2" domestic water service, consisting of SIDR-7 High Density Polyethylene pipe, (HDPE) or type K copper located at within the Malissa Drive right-of-way. Field locate existing 3/4" copper water service. Chase 3/4" service to existing main. Turn off corporation stop. Unhook 3/4" copper service piping from the corporation stop. Plug the corporation stop with threaded brass cap. Saddle and tap main for new 1 1/2" service. Install 1 1/2" HDPE water service or 1 1/2" type K copper water service to the property line. Coordinate with CBJ Water Utility.

APPROVED MRM 9/28/22
Drawing Notes

1. Minimum 5' bury or per CBJ requirements
2. Install building sewer cleanout in planter with top of cleanout level with the top of the planter.

General Notes

- Elevations are in relation to an assumed first floor elevation of 38.00'.
Drawing Notes

1. Insulate exhaust fan duct. Power fan from light switch with 15-minute occupancy sensor time delay.
2. Route hood exhaust duct in above cabinet into joist space. Insulate the exhaust duct.
3. Provide access door to hose bib isolation valve.

General Notes

- Install temperature actuated mixing valves on showers (ASSE 1016), lavatories (ASSE 1070), and bathtubs (ASSE 1070).
- Locate exhaust hoods a minimum of 36" from building openings and 10' from outdoor air intakes.
- Paint wall cleanout access plates. Color approved by architect.
Drawing Notes

1) Insulate exhaust fan duct. Power fan from light switch with 15-minute occupancy sensor timer only.
2) Route PVC drain from HRV to service sink in Laundry 106. Drop down in wall and provide stainless steel 45° discharge elbow above sink.

General Notes

- Paint wall cleanout access plates. Color approved by architect.
- Install temperature actuated mixing valves on showers (ASSE 1016), lavatories (ASSE 1070), and bathtubs (ASSE 1070).
- Locate exhaust hoods a minimum of 36" from building openings and 10' from outdoor air intakes.

Needs to meet cross sectional area of required drain size.
General Notes

- Supply, Return and Exhaust Ducts: Ducts are uninsulated and located under the attic insulation as low possible. Lay main ducts that run parallel to the trusses on the truss bottom cord. Support main ducts that are parallel with the trusses from blocking between the truss bottoms cords. Cross branch ducts under the main ducts as they run as possible in attic.

- Outside Air Ducts: Support uninsulated supply ducts above the attic insulation. Insulate the duct through the attic insulation.
RADIANT MANIFOLD RM-1 SCHEDULE

<table>
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<th>Symbol</th>
<th>Location</th>
<th>Loop</th>
<th>Area Served</th>
<th>Length, feet</th>
<th>Spacing, inches</th>
<th>MBH</th>
<th>GPM</th>
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<tr>
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<td>Gathering 290</td>
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<td>1C</td>
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<td>RM-1</td>
<td>Kitchen 170</td>
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RADIANT MANIFOLD RM-2 SCHEDULE

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<td>RM-2</td>
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General Notes

- Install 1/2" PEX radiant tubing in concrete slab with minimum 1" cover and maintain a minimum bend radius of 8".
- Install radiant piping with a minimum of 6" spacing from walls, floor penetrations and structural supports.
- Insulate first floor slab with R-15 XPS rigid insulation.
- Insulate the bottom of the second floor with minimum R-11 insulation in the joist space.
SECOND FLOOR RADIANT PLAN

General Notes:

- Install 1/2" PEX radiant tubing in concrete slab with minimum 1" cover and maintain a minimum bend radius of 8".
- Install radiant piping with a minimum of 6" spacing from walls, floor penetrations and structural supports.

RADIANT MANIFOLD RM-3 SCHEDULE

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RADIANT MANIFOLD RM-4 SCHEDULE

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Heating and Domestic Hot Water Diagram

**Drawing Notes**

1. Install 12" diameter of straight pipe below the pump inlet and 6" pipe diameter after pump discharge.
2. Install automatic air vent with ball valve at heating main high points.
3. Install 105°F FDC (Fire Department Connection) with a pressure relief discharge pipe to within 12" of floor.
4. Install double check valve assembly per City and Borough of Juneau requirements.
5. Install water meter per City and Borough of Juneau requirements.

**General Notes**

- Maintain 24" clearance on front and right side.
- Maintain back clearance of 12" and side clearance of 36".
- Heat Pump Indoor Unit: Maintain 24" clearance on front and right side.
- Heat Pump Outdoor Unit: Maintain back clearance of 12" and side clearance of 24".
- Support refrigerant pipe from galvanized channel at 4' o.c.
- Support backdraft damper directly behind wall cap.
- Stack three dryer exhaust ducts vertically in wall and connect to wall caps.
- Install gravity discharge and any susceptible material.
- Support refrigerant pipe from galvanized channel at 4' o.c.
- Install thermometer and thermostat bulbs in a thermal well with the bulb at the bottom of well.
- Fill condensate water tank with thermal conductive paste.
- Install 3/4" drain valve with hose end at heating piping low points.
- Install 1-1/2" HDPE water service.
- Install minimum flow valve.
- Install 10 diameter of straight pipe before the pump inlet and 5 pipe diameters after pump.
- Install water header diagram.
- Install water meter per City and Borough of Juneau requirements.
- Install double check valve assembly per City and Borough of Juneau requirements.

**General Information**

- Heat Pump Indoor Unit: Maintain 24" clearance on front and right side.
- Heat Pump Outdoor Unit: Maintain back clearance of 12" and side clearance of 24".
- Support refrigerant pipe from galvanized channel at 4' o.c.
PLUMBING DIAGRAM

A. Heating Plant
1. Description: Air source heat pump HP-1 supplies hydronic heating water to maintain the temperature in buffer tank BT-1. Pump P-1 circulates heating water between the heat pump and the tank. Heating pump P-2 circulates heating water between the buffer tank and two radiant heating manifolds.
2. Pump P-1 is enabled by heat pump HP-1 upon a call for heat.
3. Heat Pump HP-1: Stages the heat pump compressors and the buffer tank BT-1 auxiliary heater to maintain the buffer tank temperature setpoint per the following schedule:
   Stage | On Temp | Off Temp
   1   | 103°F  | 105°F
   2   | 105°F  | 108°F
   3   | 98°F   | 105°F

B. Zone Heat Control
   1. Description: A zone controller operates the heating pump and opens the zone valves to supply heating water to the zones.
   2. Control: When the zone temperature drops below the setpoint, a zone controller opens the respective zone valve and enables heating pump P-2 to supply hydronic heat to the zones.
   3. Domestic Hot Water
      1. Description: Domestic hot water is preheated by an internal coil in buffer tank BT-1 and is heated to distribution temperature of 120°F in electric hot water heater WH-1.
      2. Control: When the room temperature drops below the setpoint, a zone controller opens the respective zone valve and enables heating pump P-2 to supply hydronic heat to the zones.

HEATING PLANT CONTROL

1. Set toggle switch on back of controller to "Bi-energy" mode.
2. Set toggle switch on back of controller to "Off".
3. Set toggle switch on back of controller to "Setpoint Control".
4. Setpoints Method: External
5. Outdoor Reset: Disabled
6. Outdoor Fan Speed: 100%
7. Compressor Start Delay: 0 minutes
8. Anti-short Cycle: 5 minutes
9. Top Up S1: Disabled
10. Hydronic Auxiliary in Defrost: Disabled
11. Number of Tanks: One
12. Staging Setpoints (See Control Sequence)
   a. Heat Pump HP-1
      1. General
         a. Anti-short Cycle: 5 minutes
         b. Compressor Start Delay: 5 minutes
         c. Outdoor Fan Speed: 100%
   2. Zone Heat Control
      a. Control Source HYD: Sequential
      b. Sequential Method: Sequential
      c. Number of Zones: One
   3. Staging Setpoints (See Control Sequence)
      a. Outdoor Reset: Disabled
      b. Hydronic Auxiliary in Defrost: Disabled
      c. Top Up S1: Disabled
      d. Buffer Tank BT-1
         1. Set toggle switch on back of controller to "75°F" mode.
         2. Set to "75°F" mode
         3. Temperatures in buffer tank BT-1 and heating manifolds.
         4. Control is provided by the respective heating pump.
CONSTRUCTION NOTE

1. Provide all lighting, controls, and equipment as shown on this sheet.
2. Provide all lighting, controls, and equipment as shown on this sheet.

3. Provide connection to all lighting and control devices and equipment panels. Refer to the Panel Schedules on Sheet E3.00 for general details.
4. Coordinate the installation of all fixtures and control devices with Owner, the architect, and individual manufacturers' requirements.

Notice the panel schedule on Sheet C00 for luminaries and panels.
CONSTRUCTION NOTE

Please note:

1. Provide all lighting, controls, and equipment as shown on this sheet, including photocell switches, emergency exit signs, and emergency lights as shown.

2. Provide connections for all lighting and control devices and equipment shown. Refer to the Panel Schedules on Sheet E3.1 for general details. Refer to the Lighting Schedule on Sheet E3.0 for fixture types and details.

3. Pull conduits for the circuits as shown in the Panel Schedules. All work shall include a separate equipment grounding conductor, as required by the NEC.

4. Coordinate the locations of all fixtures and controls with Owner, the structural, architectural, and mechanical drawings, and manufacturer's requirements. Ensure the proper spacing and material quantities and dimensions of all fixtures and equipment.
## Haven House

### Milestones

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