



City of Auburn, Maine

Financial Services

www.auburnmaine.gov | 60 Court Street
Auburn, Maine 04210
207.333.6601

January 8, 2019

Dear Bidder:

The City of Auburn is accepting written proposals for the **Design/Build Warm Storage Building Project**, located at 296 Gracelawn Road, Auburn, ME. The City reserves the right to accept or reject any or all proposals in whole or in part and to waive any informality the City may determine necessary. The City also reserves to itself the exclusive right to accept any proposals when it is deemed by the City to be in its best interest. The City of Auburn is governed by Title 1 M.R.S.A. § 401-410, otherwise known as the Freedom of Information Act, which considers bid specifications as public documents. In awarding any proposal, the City may consider, but not be limited to, any of the following factors: Bidder qualifications, price, experience, financial standing with the City, warranties, references, bonding, delivery date, and service of Bidder. Vendors/Contractors shall be current on all amounts due to the City of Auburn prior to the City entering into any contract agreement. All proposals must include FOB to Auburn, Maine unless otherwise specified.

A **pre-bid meeting** to review the work site is scheduled for **Tuesday, January 22, 2019** at 2:00 p.m. at the Woodbury Brackett Municipal Garage, 296 Gracelawn Road, Auburn, ME. Please contact Derek Boulanger at dboulanger@auburnmaine.gov to confirm participation.

Proposals will not receive consideration unless submitted in accordance with the following instructions to bidders. Please mark sealed envelopes plainly:

"Design/Build Warm Storage Building Project – Bid #2019-011."

Questions regarding this Request for Proposals should be directed to Derek Boulanger, Facilities Manager/Purchasing Agent, at (207) 333-6601, ext. 1135.

Please submit your proposal to the City of Auburn by **2:00 p.m. Thursday, February 7, 2019.**

Proposals will be opened at 2:00 p.m. Proposals must be delivered to **Derek Boulanger, Facilities Manager/Purchasing Agent, 60 Court Street, Auburn, ME 04210** on or before the date and time appointed. No proposals will be accepted after the time and date listed above.

Sincerely,

Derek Boulanger
Facilities Manager/Purchasing Agent

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CONDITIONS AND INSTRUCTIONS TO BIDDERS

1. Bidders shall use the enclosed bid form and schedule of values forms for quotations. Whenever, in bid forms, an article is defined by using a trade name or catalog number, the term "or approved equal", if not inserted, shall be implied.
2. Submit a separate unit price for each item unless otherwise specified in the bid request. Award will be made on a basis of each item, or as a group, whichever is in the best interest of the City. Prices stated are to be "delivered to destination".
3. Bid proposals must be completed in full, in ink, and must be signed by firm official. Bid proposal **must be notarized** prior to bid being sealed and will be disqualified if not notarized. Bids may be withdrawn prior to the time set for the official opening.
4. Bids will be opened publicly. Bidders or representatives may be present at bid opening.
5. Awards will be made to the lowest responsible bidder, considering the quality of the materials, date of delivery, cost which meets specification and is in the best interest to the City of Auburn.
6. All transportation charges, including expense for freight, transfer express, mail, etc. shall be prepaid and be at the expense of the vendor unless otherwise specified in the bid.
7. The terms and cash discounts shall be specified. Time, in connection with discount offered, will be computed from date of delivery at destination after final inspection and acceptance or from date of correct invoice, whichever is later.
8. The City is exempt from payment of Federal Excise Taxes on the articles not for resale, Federal Transportation Tax on all shipments and Maine Sales Tax and Use Taxes. Please quote less these taxes. Upon application, exemption certificate will be furnished with the Purchase Order when required.
9. Time of delivery shall be stated. If time is of the essence, the earliest date may be a factor in the bid award.
10. No contract may be assigned without the written consent of the Finance Director or her designate. The contract shall not be considered valid until a purchase order has been issued to the successful bidder.
11. Please state **"Design/Build Warm Storage Building Project – Bid #2019-011."** on submitted sealed envelope.
12. The City of Auburn reserves the right to waive any formality and technicality in bids whichever is deemed best for the interest of the City of Auburn.
13. The scope of work shall be substantially completed by August 31, 2019. Final completion shall be on or before September 30, 2019.

GENERAL CONDITIONS

1. Equal Employment Opportunity

The City of Auburn is an Equal Opportunity Employer and shall not discriminate against an applicant for employment, and employee or a citizen because of race, color, sex, marital status, physical and/or mental handicap, religion, age, ancestry or natural origin, unless based upon a bona-fide occupation qualification. Vendors and contractor or their agents doing business with the City shall not violate the above clause or the Civil Rights Acts of 1964. Violations by vendors shall be reviewed on a case-by-case basis and may mean an automatic breach of contract or service to the City of Auburn.

2. Save Harmless

The Bidder agrees to protect and save harmless the owner from all costs, expenses or damages that may arise out of alleged infringement of patents of materials used.

3. Subcontracting

The Bidder shall not subcontract any part of the work or materials or assign any monies due it without first obtaining the written consent of the municipality. Neither party shall assign or transfer its interest in the contract without the written consent of the other party.

4. Warranty

The Bidder warrants that all work will be of good quality and free from faults and defects, and in conformance with the specifications. All work not so conforming to these standards may be considered defective. The Bidder agrees to be responsible for the acts and omissions of all of its employees and all subcontractors, their agents and employees, and all other persons performing any of the work under a contract with the Bidder.

5. Retainage and Payments

Retainage in the amount of 10% will be held from each progress payment and shall be released at the discretion of the Project Engineer. Payments shall be made by the City to the Contractor 30 days after receipt of the request for payment.

6. Changes in the Work

6.1 The Contractor shall not proceed with extra work without an approved Change Order or Construction Change Directive. A Change Order which has been properly signed by all parties shall become a part of the contract.

6.2 A Change Order is the usual document for directing changes in the Work. In certain circumstances, however, the Owner may utilize a Construction Change Directive to direct the Contractor to perform changes in the Work that are generally consistent with the scope of the project. The Owner shall use a Construction Change Directive only when the normal process for approving changes to the Work has failed to the detriment of the Project, or when agreement on the terms of a Change Order cannot be met, or when an urgent situation requires, in the Owner's judgment, prompt action by the Contractor.

- 6.3 The Architect shall prepare the Construction Change Directive representing a complete scope of work, with proposed Contract Price and Contract Time revisions, if any, clearly stated.
- 6.4 The Contractor shall promptly carry out a Construction Change Directive which has been signed by the Owner and the Architect. Work thus completed by the Contractor constitutes the basis for a Change Order. Changes in the Contract Price and Contract Time shall be as defined in the Construction Change Directive unless subsequently negotiated with some other terms.
- 6.5 The method of determining the dollar value of extra work shall be by:
- a) An estimate of the Contractor accepted by Owner as a lump sum, or
 - b) Unit prices named in the contract or subsequently agreed upon, or
 - c) Cost plus a designated percentage, or
 - d) Cost plus a fixed fee.
- 6.6 The Contractor shall determine the dollar value of the extra work for both the lump sum and cost plus designated percentage methods using the following rates. The rates include all overhead and profit expenses.
- a) Contractor - for any work performed by the Contractor's own forces, 10% of the cost;
 - b) Subcontractor - for work performed by Subcontractor's own forces, 10% of the cost;
 - c) Contractor - for work performed by Contractor's Subcontractor, 10% of the amount due the Subcontractor.
- 6.7 The Contractor shall keep and provide records as needed or directed for the cost plus designated percentage method. The Architect shall review and certify the appropriate amount which includes the Contractor's overhead and profit. The Owner shall make payments based on the Architect's certificate.

7. Liens

- 7.1 The Contractor shall deliver to the Owner a complete release of all liens arising out of this contract before the final payment or any part of the retainage payment is released. The Contractor shall provide with the release of liens an affidavit asserting each release includes all labor and materials for which a lien could be filed. Alternately, the Contractor, in the event any Subcontractor or supplier refuses to furnish a release of lien in full, may furnish a bond satisfactory to the Owner, to indemnify the Owner against any lien.
- 7.2 In the event any lien remains unsatisfied after all payments to the Contractor are made by the Owner, the Contractor shall refund to the Owner all money that the latter may be compelled to pay in discharging such lien, including all cost and reasonable attorney's fees.

BID PROPOSAL FORM
Design/Build Warm Storage Building Project
Bid #2019-011
Due: Thursday, February 7, 2018 at 2:00 PM

To: City of Auburn
Derek Boulanger,
Facilities Manager/Purchasing Agent
60 Court Street
Auburn, ME 04210

The undersigned individual/firm/business guarantees this price for Thirty days (30) from the bid due date. The undersigned submits this proposal without collusion with any other person, individual, firm, or agency. The undersigned ensures the authority to act on behalf of the corporation, partnership, or individual they represent; and has read and agreed to all of the terms, requests, or conditions written herein by the City of Auburn. By signing this bid form, the firm listed below hereby affirms that its bid meets the minimum specifications and standards as listed above and as amended in

Addendums # _____ Dated _____.

Signature _____ Name (print) _____

Title _____ Company _____

Address _____

Telephone No. _____ Fax No. _____

Email Address: _____

STATE OF MAINE

_____, SS.

Date: _____

Personally appeared _____ and acknowledged the foregoing instrument to be his/her free act and deed in his/her capacity and the free act and deed of said company.

Notary Public

Print Name

Commission Expires _____

Bid Proposal Form must be accompanied with the Schedule of Values Form.

BID BREAKDOWN SCHEDULE OF VALUES

Design/Build Warm Storage Building Project
Bid #2019-011

<u>Item</u>	<u>Description</u>	<u>Value</u>
1.	General Conditions	\$ _____ . _____
2.	Demolition & Disposal	\$ _____ . _____
3.	Building	\$ _____ . _____
4.	Mechanical/Plumbing	\$ _____ . _____
5.	Electrical	\$ _____ . _____
6.	Site Work	\$ _____ . _____
7.	Concrete Work	\$ _____ . _____

TOTAL BASE BID (Sum of Items 1 through 7) \$ _____ . _____

TOTAL OF ALL LINE ITEMS IN SCHEDULE OF VALUES MUST EQUAL FINAL BASE BID. THERE MUST BE AMOUNTS IN EACH OF THE SPECIFIED ITEMS ABOVE. ENTER A ZERO IF NOT APPLICABLE.

PROJECT SCHEDULE

Estimated Start Date: 7 Days from Notice to Proceed

Substantial Completion Date: August 31, 2019

FAILURE TO PROPERLY COMPLETE THIS BID ATTACHMENT MAY BE CONSIDERED A NON-RESPONSIVE PROPOSAL AND MAY BE REJECTED AT THE OWNERS DISCRETION.

SAMPLE CONTRACT AGREEMENT

THIS AGREEMENT is made this ### day of **Month Year**, by and between the CITY OF AUBURN, a municipal corporation existing under the laws of the State of Maine and located in the County of Androscoggin, State of Maine (hereinafter "CITY"), **Company Name, Address, EIN**, (hereinafter "CONTRACTOR"),

WITNESSETH:

In consideration of the mutual covenants and conditions contained herein, the CITY and the CONTRACTOR agree as follows:

SPECIFICATIONS:

1. The CONTRACTOR shall furnish all of the material and perform all of the work shown on the drawings and described in the specifications entitled: **Bid # XXXXX Bid Title** which are attached hereto and made a part hereof, and the CONTRACTOR covenants that it shall do everything required by this Agreement, the Special Provisions of the Agreement, the Invitation to Bid and the Specifications in return for payment as provided herein.

COMPLETION DATE:

2. The work to be performed under this Agreement shall be commenced by **Month Day, Year** and fully completed on or before **Month Day, Year**.

CONTRACT PRICE:

3. The CITY shall pay the CONTRACTOR for the performance of the Agreement the sum of **\$XXX**

PERFORMANCE BOND:

4. If required by the City, the CONTRACTOR shall furnish to the CITY at the time of the execution of this Agreement a performance bond and a labor and material payment bond each in the amount of **\$XXX** (whichever applies) executed by a surety company satisfactory to the CITY, guaranteeing the performance and payment by the CONTRACTOR. Yes, Required (Initials: ___) No, Waived (Initials ___)

GUARANTEE:

5. The CONTRACTOR shall guarantee his work against any defects in workmanship and materials for a period of one year from the date of the CITY's written acceptance of the project.

PERMITS AND LICENSES:

6. Permits and licenses necessary for the prosecution of the work shall be secured and paid by the CONTRACTOR.

CITY'S RIGHT TO TERMINATE CONTRACT:

7. If the CONTRACTOR should be adjudged a bankrupt, or if it should make a general assignment for the benefit of creditors, or if a receiver should be appointed on account of its insolvency, or if it should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to supply enough properly skilled workmen or proper materials, or if it should fail to make prompt payment to subcontractors or for material or labor, or persistently disregard laws, and ordinances, or otherwise be guilty of a substantial violation of any provision of the Agreement, then the CITY when sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the CONTRACTOR, and his surety, seven (7) days written notice, terminate the employment of the CONTRACTOR and take possession of the premises and of all materials, tools and appliances thereon and finish the work by whatever method it may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Agreement price shall exceed the expense of the finishing the work, including compensation for additional architectural, managerial and administrative services, such excess shall be paid to the CONTRACTOR. If such expense shall exceed such unpaid balance, the CONTRACTOR shall pay the difference to the CITY.

CONTRACTOR'S LIABILITY INSURANCE:

8. The CONTRACTOR shall not commence work under this Agreement until he has obtained all insurance required under this paragraph and such insurance has been approved by the CITY, nor shall the CONTRACTOR allow any subcontractor to commence work on his subcontract until all similar insurance required of subcontractor has been so obtained and approved. **It is a requirement that the CITY be named as an Additional Insured on the General Liability and Automobile Liability policies.**

(a) **Commercial General Liability** to include products and completed operations, and blanket contractual. The limits of liability shall be as follows:

Bodily Injury and Property Damage	\$1,000,000
Personal Injury and Advertising Injury	\$1,000,000
Per Project Aggregate	\$1,000,000
General Aggregate	\$2,000,000
Products and Completed Operations Aggregate	\$2,000,000
Medical Payments	\$10,000

(b) **Business Automobile Liability**

The CONTRACTOR shall maintain and cause all sub-contractors and lower tier contractors to maintain business automobile liability insurance covering all owned, non-owned, leased, rented or hired automobiles (symbol 1). The limits of liability shall be as follows:

Bodily Injury and Property Damage	\$1,000,000
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Automobile physical damage coverage shall be at the option of the CONTRACTOR, all sub-contractors and lower tier contractors. The CITY shall not be liable for physical loss or damage to any owned, non-owned, leased, rented or hired automobile.

(c) **Workers' Compensation Insurance**

The CONTRACTOR shall maintain and cause all sub-contractors and lower tier contractor's to maintain Workers' Compensation and Employers Liability in accordance with the laws and regulations of the State of Maine. The limits of liability provided shall be as follows:

Coverage A:	Statutory
Coverage B:	\$100,000/\$500,000/\$100,000

(d) **Professional Liability**

If the CONTRACTOR is an Architect, Engineer or Surveyor, they shall maintain a policy of insurance to pay on their behalf whatever amounts that may become legally required to pay on account of an error, omission or negligent act.

Limits of Liability shall be as follows: \$1,000,000 per occurrence and in the aggregate site specific.

It is a requirement that this policy be maintained for a period of three (3) years following completion of the project.

(e) **Certificates of Insurance** of the types and in the amounts required shall be delivered to the CITY prior to the commencement of any work by the CONTRACTOR, subcontractor or lower tier contractor or any person or entity working at the direction or under control of the CONTRACTOR. The CONTRACTOR shall assume the obligation and responsibility to confirm insurance coverage for all sub-contractors or lower tier contractors who will participate in the project.

(f) The Certificate of Insurance and the policies of insurance shall include a sixty (60) day notice to the CITY of cancellation, non-renewal or material change in coverage or form.

(g) The CONTRACTOR and his surety shall indemnify and save harmless the CITY, his officers and employees from all suits, actions or claims of any character brought because of any injuries or damage received or sustained by any person, persons or property on account of the operations of the said CONTRACTOR; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in construction of the work; or because of any act or omission, neglect, or misconduct of said CONTRACTOR; or because of any claims or amounts recovered from any infringements or patent trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act" or of any other law, ordinance, order or decree; and so much of the money due to the said CONTRACTOR under and by virtue of his/her contract as shall be considered necessary by the CITY for such purpose, may be retained; or in case no money is due, his surety may be held until such suit or suits, action or actions, claim or claims, for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the CITY.

(h) **Waiver of Subrogation**

Payment of any claim or suit including any expenses incurred in connection therewith by the CITY, or any insurance company on behalf of the CITY shall not constitute a waiver of subrogation against the CONTRACTOR, sub-contractors or any lower tier contractor in the event that such claim or suit was caused by or contributed to as a result of the negligent acts of the CONTRACTOR, any sub-contractors or lower tier contractors.

(i) Construction Agreement

The CONTRACTOR shall and does hereby agree to indemnify, save harmless and defend the CITY from the payment of any sum or sums of money to any person whomsoever on account of claims or suits growing out of injuries to persons, including death, or damages to property, caused by the CONTRACTOR, his employees, agents or sub-contractors or in any way attributable to the performance and execution of the work herein contracted for, including (but without limiting the generality of the foregoing), all claims for service, labor performed, materials furnished, provisions and suppliers, injuries to persons or damage to property, liens, garnishments, attachments, claims, suits, costs, attorney's fees, costs of investigation and defense. It is the intention of this paragraph to hold the CONTRACTOR responsible for the payment of any and all claims, suits, or liens, of any nature character in any way attributable to or asserted against the CITY, or the CITY and the CONTRACTOR, which the City may be required to pay. In the event the liability of the CONTRACTOR shall arise by reason of the sole negligence of the CITY and/or the sole negligence of the CITY's agents, servants or employees, then and only then, the CONTRACTOR shall not be liable under the provisions of this paragraph.

DAMAGES:

9. The CONTRACTOR shall defend, indemnify and save harmless the CITY and all persons acting for or in behalf of it against all claims for injuries (including death), loss or damage, arising out of the performance out this contract.

LIENS:

10. Neither the final payment nor any part of the retained percentage shall become due until the CONTRACTOR, if required, shall deliver to the CITY a complete release of all liens arising out of the Agreement, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed; but the CONTRACTOR may, if any SUB-CONTRACTOR refuses to furnish a release or receipt in full, furnish a bond satisfactory to the CITY to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the CONTRACTOR shall refund to the CITY all moneys that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

ASSIGNMENT:

11. Neither party to the Agreement shall assign the Agreement or sublet it as a whole without the written consent of the other, nor shall the CONTRACTOR assign any moneys due or to become due to it hereunder, without the previous written consent of the CITY.

SUBCONTRACTS:

12. The CONTRACTOR shall not sublet any part of this Agreement without the written permission of the CITY. The CONTRACTOR agrees that it is as fully responsible to the CITY for the acts and omissions of its SUB-CONTRACTORS and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by it.

USE OF PREMISES:

13. The CONTRACTOR shall confine its apparatus, the storage of materials and operations of its workers to limits indicated by law, ordinance and permits and shall not otherwise unreasonably encumber the premises with its materials. If any part of the project is completed and ready for use, the CITY may, by written and mutual consent, without prejudice to any of its rights or the rights of the CONTRACTOR, enter in and make use of such completed parts of the project. Such use or occupancy shall in no case be construed as an acceptance of any work or materials.

CLEANING UP:

14. The CONTRACTOR shall at all times keep the premises free from accumulation of waste materials or rubbish caused by its employees or work, and at the completion of the work it shall remove all its rubbish from and about the project, and all its tools, scaffolding and surplus materials and shall leave its work "broom-clean" or its equivalent, unless more exactly specified. In case of dispute, the CITY may remove the rubbish and charge the cost to the CONTRACTOR.

PAYMENTS:

15. Unless otherwise agreed to, the CITY shall make payments on account of the Agreement less retainage as follows:

Within 30 days, as invoices are submitted for work completed to the satisfaction of the CITY.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

BY: _____ BY: _____
Witness Finance Director

BY: _____ BY: _____
Witness Contractor

SPECIFICATIONS:

GENERAL CONDITIONS:

The work to be accomplished under these specifications includes providing all labor, materials, equipment, consumable items, supervision, administrative tasks, tests and documentation required to install complete and fully operational warm storage building as described herein and shown on the Drawings.

The Contractor shall file plans, obtain permits and licenses, pay fees and obtain necessary inspections and approvals from authorities that have jurisdiction, as required to perform work in accordance with all legal requirements. All local fees shall be waived.

All work shall be in accordance with the laws, rules, codes, and regulations set forth by Local, State, and Federal authorities having jurisdiction. All products and materials shall be manufactured, installed and tested as specified, but not limited to the latest accepted edition of the following codes, standards and regulations:

NFPA National Fire Protection Association
OSHA Occupational Safety and Health Act
NEC National Electrical Code (NFPA 70)
UL Underwriters Laboratory
NESC National Electrical Safety Code
FM Factory Mutual Association
MBC Maine Building Code
Local AHJ Local and State building, electrical, fire and health department and public safety codes agencies.

When requirements cited in this Paragraph conflict with each other or with Contract Documents, the most stringent requirements shall govern conduct of work. The Engineer may relax this requirement when such relaxation does not violate the ruling of authorities that have jurisdiction. Approval for such relaxation shall be obtained in writing. Should the Contractor perform any work that does not comply with the requirements of the applicable building codes, state laws, and industry standards, he shall bear all costs arising in correcting these deficiencies.

The drawings and these specifications are intended to comply with all the above mentioned Codes, Rules and Regulations. If discrepancies occur, the Contractor shall immediately notify the Engineer in writing of said discrepancies and apply for an interpretation and, unless and interpretation is offered in writing by the Engineer prior to the execution of the contract, the applicable rules and regulations shall be complied with as a part of the contract.

DEMOLITION & DISPOSAL:

Contractor shall be responsible for the removal and disposal of the existing 100' x 60' cold storage metal building. This work shall include the removal of the building, foundation, floor, and all other work necessary to prepare the site for the construction of the new warm storage building. All waste material shall be removed from the site and the area left clean upon completion of work. Any equipment or structures damaged by the Contractor shall be repaired or replaced at no additional cost to the City.

BUILDING:

The building shall be a Murox prefabricated steel building or approved equal. The Murox standard wall system shall be used. An EPDM roof with a 2% roof slope shall be installed with a minimum 20 year warranty. The building shall meet the dimensions as specified on the attached sample drawings.

The internal mezzanine shall be a concrete floor with a minimum 120 psf live load rating. The catwalk within the wash bay shall be galvanized. Stairs shall be provided within the wash bay up to the catwalk and they shall be galvanized. A movable wash bay curtain shall be provided on rails that separates the two wash bay areas.

Garage doors shall be Thermacore model 592 heavy duty doors or an approved equal. Each door shall contain one panel with a minimum of 4 windows. Doors shall be installed with an RHX heavy duty electric opener. All garage door hardware within the wash bays shall be stainless steel.

MECHANICAL/PLUMBING:

Contractor shall be responsible for supplying and installing a heating system capable of maintaining a 60 degree Fahrenheit temperature in both the warm storage area and the wash bay area. The system shall be designed to run off of natural gas. An air exchange (humidity controller) system shall be installed within the wash bay.

Contractor shall be responsible for supplying and installing Two High Volume, HI PSI wash units and accessories meeting the following specifications.

- 1-Stationary Industrial grade Hot water Pressure washer, natural gas fired
- 2-Washer to have the capabilities to produce Cold/ Hot and Wet Steam
- 3- Min of 3000 psi @ 10.0 GPM output
- 4-Min 20 hp, 208/3 phase electric motor, 1750RPM, TEFC continuous Duty w/ 1.25 Service factor, high Efficiency motor with a 2-year warranty.
- 5-Electronic Ignition for burner
- 6- Sch. 80 Heater coil, Elliptically wound, ASTM A53 GRB, wrapped w/ ceramic Blanket insulation. Limited LifeTime Coil warranty on manufacture defects.
- 7- Each unit will be Set up for 2(two) gun operation with Tee and total of 2 guns,2 wands (48"), 2-100' ½" ID , R2 hoses and screw in nozzles for 1500 psi @ 5.0 gpm. Per gun.
- 8- Unit to be equipped with a Wireless Remote Control System. This system will allow the driver from the cab of his truck, to turn the unit on and control the Unit Pump, Burner and detergent Off and On from the remote. Unit will also have 2 remote controls.
- 9- Heavy Duty Auto Start/stop w/ time delay shut down system
- 10- Heavy Duty Contactor and Overload relay for 208/3 phase power
- 11- Belt Drive Pump and Motor, General pump w/ thermal pump protector.

Warm Storage Building, Bid No. 2019-011

- 12- 15 gal. float tank w/ 1/2" water inlet solenoid for water feed.
- 13- Adjustable temperature and soap control
- 14- 940,000 BTU gas fired burner with Quick Clean Burner System.
- 15- All welded Rugged 11 gauge and 1/4" one-piece plate steel frame, with protective belt guard.
- 16- Powder Coat finish
- 17- NEMA 4 Water Tight Control Panel, with 24 volts control voltage
- 18- Tip ahead shroud for easy access for service
- 19- Liquid filled Pressure gauge and Temperature gauge.
- 20- Adjustable pressure regulator for easy adjustment if needed
- 21- Stainless Steel coil Wrapper

In Ground Under Body Spray Bar

- 22- Stainless Steel, 6' x 1 1/4" dia. Spray bar, 3 legs to keep Bar off ground
- 23- Spray bar to include 4 stainless steel 1/4" nozzles to match unit
- 24- Supply a 3/4" Hi-PSI Ball valve to control On/Off for the spray bar function

Dual Wash Hose Trolley System

- 25- Trolley cable system with enough hose holders and cable to go front to back on both sides of Vehicles. Cable will be installed about 14' high.
- 26- 2- 1/2" HI PSI ball valves per each trolley set up.
- 27- 1- 3/4" sch 80 gal. Header pipe for dual hose hook, per trolley set up.
- 28- 2- each Stainless-Steel Ridged wand hold trigger gun and wand per trolley set up.
- 29- 2- each 3/8" Swivels (hose to trigger gun) per trolley set up.

The contractor shall supply and install an oil/water separator. The separator shall be sized and designed in order to handle the anticipated flow rates from the wash systems and meet the effluent standards as required by the Auburn Sewer District. The effluent shall be discharged to the Auburn Sewer District Sewer system by a connection to an existing manhole approximately 360' from the new storage building. The contractor shall core into the existing structure to make the connection with the new pipe.

ELECTRICAL:

Three phase power shall be supplied to the building. The Contractor shall furnish and install the conduit and the will be responsible for pulling and installing the cables.

There shall be a minimum of 8 exterior GFCI protected duplex outlets located on the outside of the building on the east wall spaced evenly underneath the shed roof.

There shall be a 40amp outlet located on the north wall in close approximation to the overhead door.

There shall be a minimum of 8 duplex outlets along the interior east wall spaced evenly.

Lighting shall provide a minimum of 35-foot candles in the storage area and 50 foot candles in the wash bays and be LED. Lighting shall be run with occupancy sensors and shall be DLC qualified and have a minimum five-year warranty. There shall be exterior lighting at all doorways with a minimum of 35-foot candles.

The electrical panel shall be located adjacent to the man door on the west wall.

If additional outlets are required per code they shall be provided and installed.

All emergency signs required per code shall be provided and installed.

Efficiency Maine

This project intends to pursue Efficiency Maine (EM) prescriptive and/or custom incentives where applicable. The Electrical Contractor shall coordinate the activities associated with Efficiency Maine incentive approval process including but not limited to; preparation and submission of all applicable incentive applications, receiving pre-approval when applicable, the tracking and submission of measure specific invoices to Efficiency Maine within 60 days of the completion of the work, and follow-up as necessary until the City of Auburn receives the incentives.

The Electrical Contractor shall also:

- A. Become familiar with the Efficiency Maine Business Program including available incentives and the application and review process.
- B. Review the specifications and field conditions for compliance with Efficiency Maine standards for applicable systems and technologies.
- C. Review the specifications for any and all incentive opportunities, prescriptive and custom.

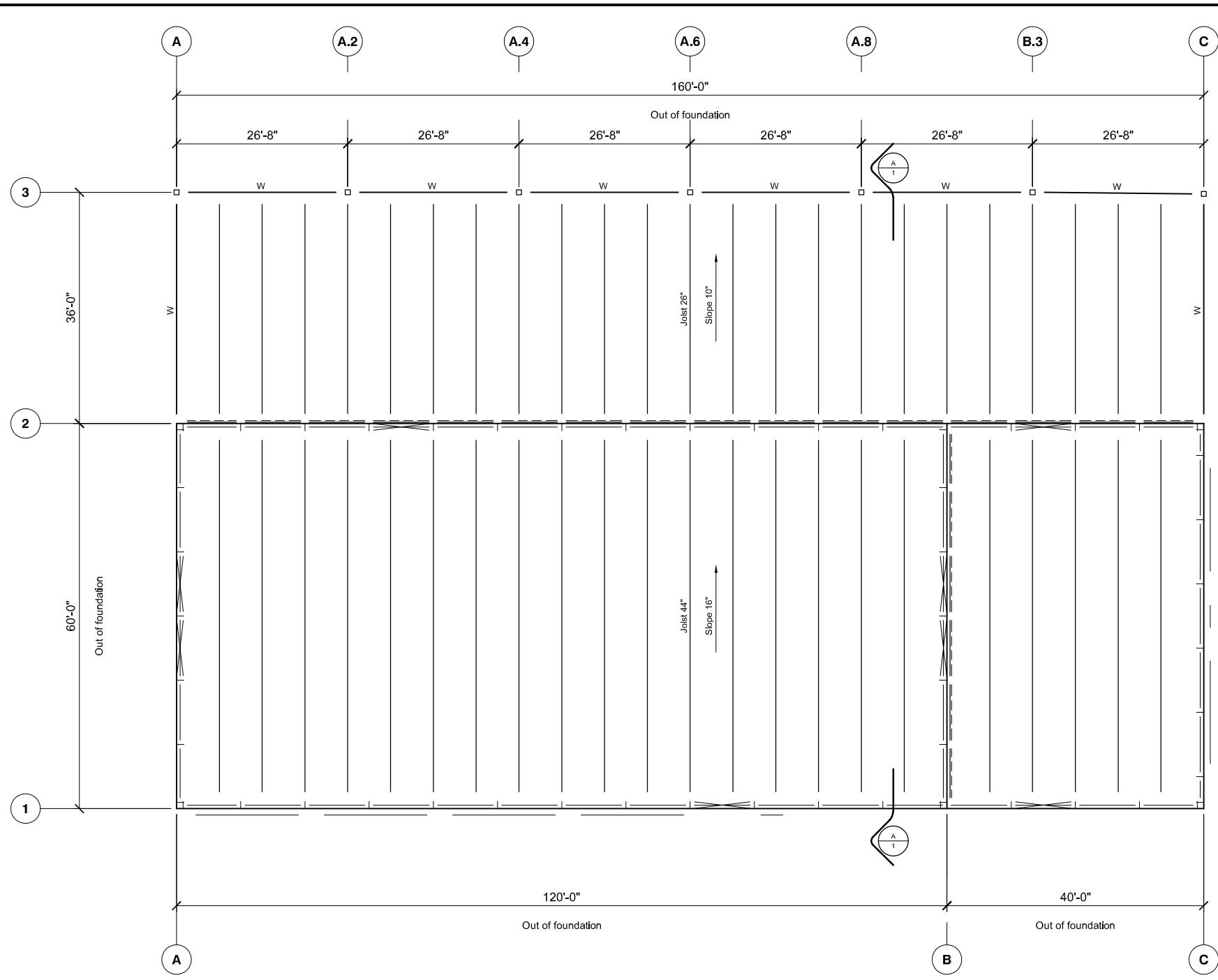
The project schedule shall reflect and accommodate the time required to achieve application preapproval from EM. No equipment shall be purchased until preapproval is received from EM. All invoices shall be forwarded to EM and the Owner within 60 days of the completion of work. This deliverable shall be shown on the project schedule as a milestone date and coordinated with all contractors to assure compliance with this requirement. Efficiency Maine is available to assist in the application process and can be reached at 866-376-2463. Electrical Contractor must contact EM prior to submittals to review the project equipment and scope.

SITE WORK:

Pay limits for site work shall include all areas disturbed as a result of the construction including utility installation. Pay limits for work around the building shall be limited to within 10' of the new building and covered storage area. The covered storage area and the portions of the site around the building shall be constructed using 18" of Type "D" crushed gravel, 3" of Type "A" crushed gravel and one lift of 2" of 19mm HMA (hot mix asphalt), and 2-1.5" lifts of 12.5mm HMA. All gravel shall be produced from quarry rock. All gravel and HMA products shall meet MDOT specifications. All joints shall be sawcut and shall be protected prior to paving. Damaged joints will be cut back at no additional cost to the City. All utility work shall meet minimum requirements set forth by the respective utility. Install 6" steel painted pipe bollards that extend 4' above the finish grade at each side of all six overhead doors.

CONCRETE WORK:

Concrete shall be designed and stamped by a Maine registered Professional Engineer. Foundation walls shall extend 4' above the finished floor slab elevation including the below the wall dividing the wash bay from the storage area. The building slab shall be a minimum thickness of 6" and shall be reinforced using fiber and welded wire mesh. The slab saw cut in accordance with the design to minimize cracking. There shall be an adequate number of floor drains on both the warm storage portion of the building and the wash bay to accommodate the anticipated flows. The drains shall be tied in to the oil/water separator.



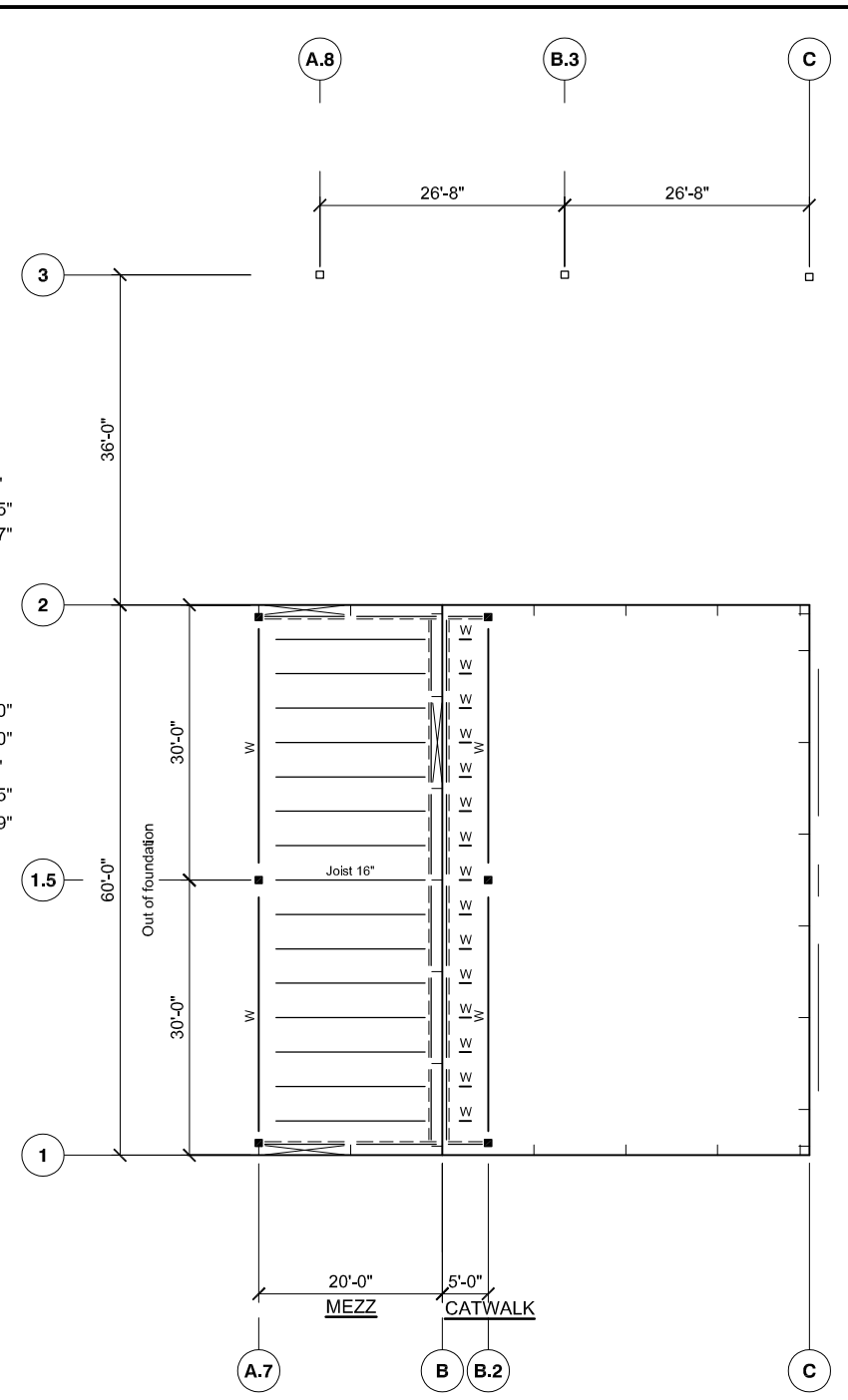
ROOF FRAMING PLAN

CANOPY
 CLEAR HEIGHT: 25'-5"
 T.O.S. GRID LINE 2: 128'-5"
 T.O.S. GRID LINE 3: 127'-7"

ROOF
 TOP OF SLAB: 100'-0"
 TOP OF FOUNDATION: 104'-0"
 CLEAR HEIGHT GRID LINE 2: 24'-9"
 T.O.S. GRID LINE 2: 128'-5"
 T.O.S. GRID LINE 1: 129'-9"

LOADS
 D.L. 18 psf
 Coll. 0 psf
 Ground snow load 80 psf
 Roof Live load 0 psf
 Roof Snow load P_f 56 psf
 Wind speed (Exposure C) 115 mph
 Velocity pressure q_z 28.0 psf

EARTHQUAKE LOADS ASSUME
 S_s 0.25
 S_i 0.081
 SEISMIC DESIGN CATEGORY B
 I_e 1.00
 SITE CLASS D



MEZZANINE & CATWALK FRAMING PLAN

MEZZ
 CLEAR HEIGHT UNDER MEZZ: 10'-4"
 T.O.S. MEZZ: 111'-8"
 CLEAR HEIGHT ABOVE MEZZ: 12'-9"

LOADS
 D.L. 70 psf
 L.L. 120 psf
 Δ L/360

CATWALK
 CLEAR HEIGHT UNDER MEZZ: 11'-6"
 T.O.S. MEZZ: 112'-6"
 CLEAR HEIGHT ABOVE MEZZ: ±12'-3"

LOADS
 D.L. 10 psf
 L.L. 80 psf
 Δ L/360

CONTRACTOR/ERECTOR NOTE:

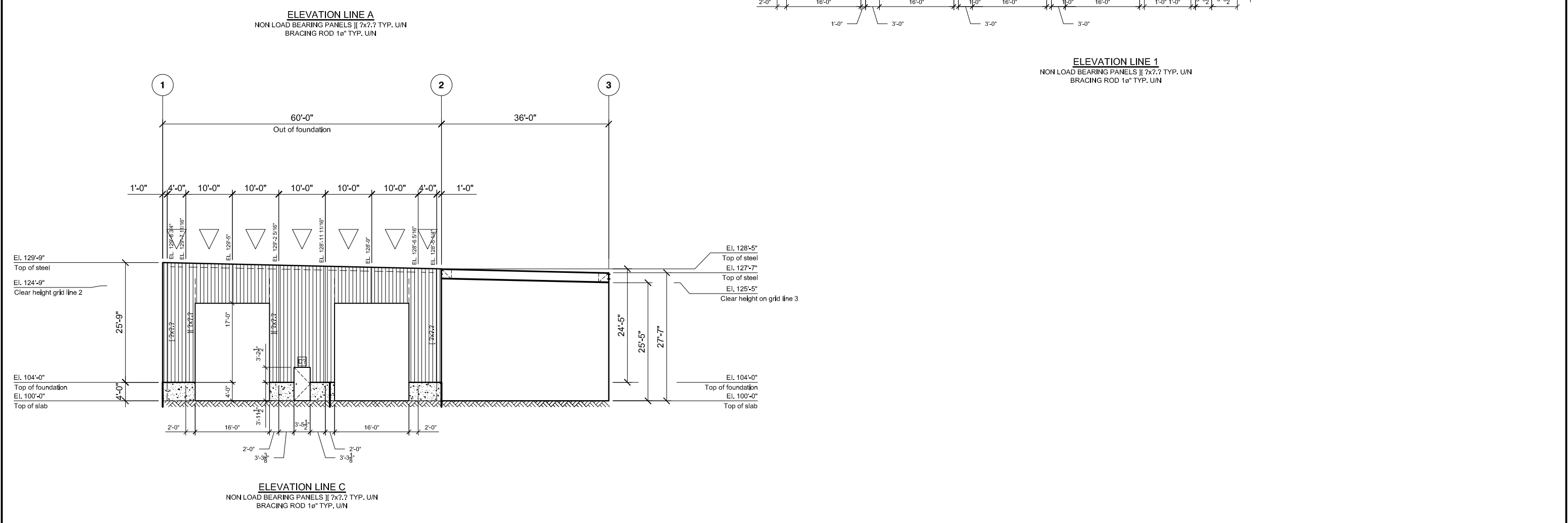
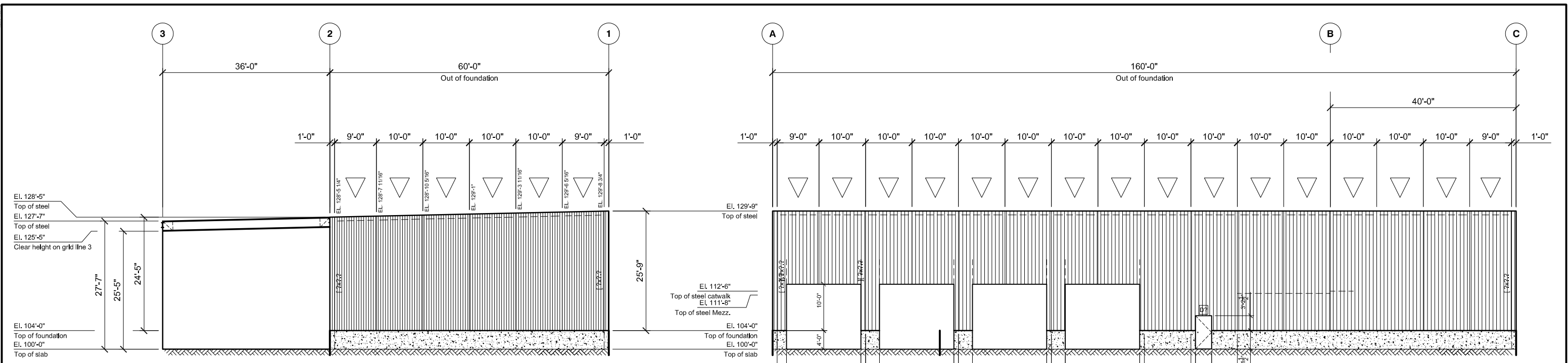
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6						Drawn	Donald Piché
5						Approved by:	
4						Scale	---
3						Date	Dec. 03-2018
2							
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No.	Date	Revised	Drawn	Checked			



Project: **Auburn DPW Building**
Auburn
Maine

Customer			
Description	Preliminary Sketch		
Project	P2018-256 R1	Sheet	1 of 3
Revision			R1



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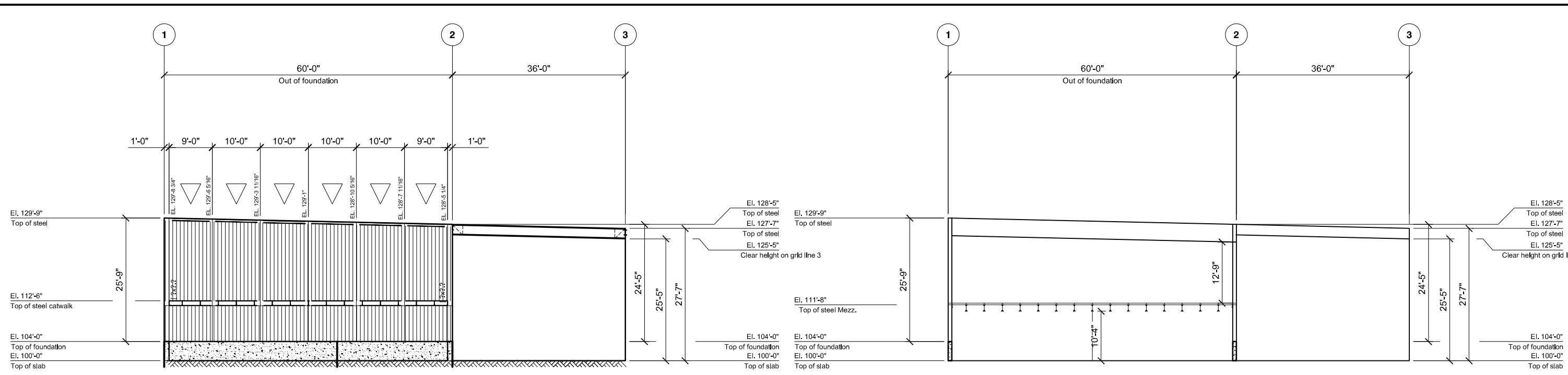
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Drawn
Donald Piché
Approved by
Scale
Date
Dec. 03-2018



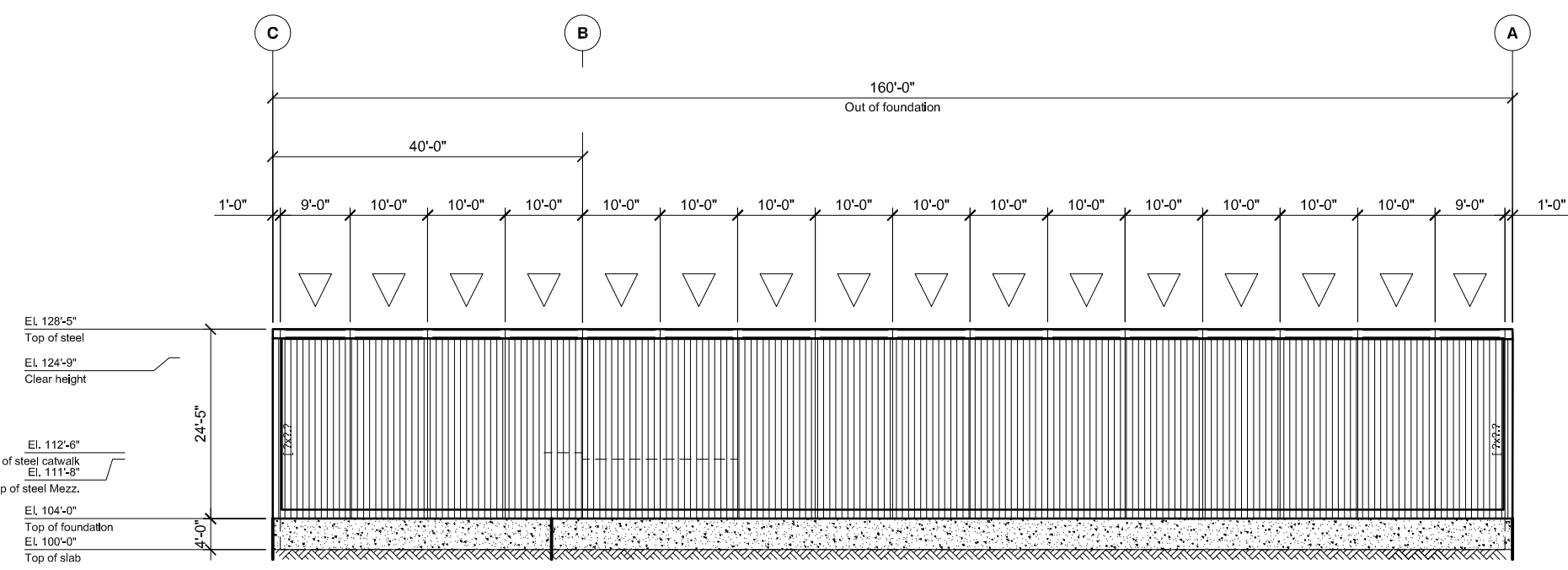
Project
Auburn DPW Building
Auburn
Maine

Customer		
Description Preliminary Sketch		
Project P2018-256 R1	Sheet 2 of 3	Revision R1



ELEVATION LINE B
NON LOAD BEARING PANELS || 2x2.2 TYP. U/N
BRACING ROD 1ø" TYP. U/N

A-A CROSS SECTION



ELEVATION LINE 2
NON LOAD BEARING PANELS || 2x2.2 TYP. U/N
BRACING ROD 1ø" TYP. U/N

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Nr.	Date	Revision	Drawn	Checked	

Drawn
Donald Piché
Approved by
Scale
Date
Dec. 03-2018



Project
Auburn DPW Building
Auburn
Maine

Customer		
Description Preliminary Sketch		
Project P2018-256 R1	Sheet 3 of 3	Revision R1