

PROPOSAL



Vermont Mechanical Incorporated
P.O. Box 728
Williston, Vermont 05495
Phone: 802-862-5900
Fax: 802-862-2219
www.vtmechanical.com

Date: July 14, 2020
VMI Bid Quote #VM20-xxx

To: Breadloaf Corporation : Attention John Johnston
Re: Richmond Town Library
Addenda Received: #1 and #2

Vermont Mechanical, Inc. is pleased to offer our price for the above referenced project. Our bid proposal includes all necessary material, labor, equipment and supervision to complete the mechanical scope of work as described under separate cover.

Base Bid Pricing for the Library renovations is \$112,778

Scope, Alternates, and Breakout pricing has all been submitted separately per the RFP

Authorized
Signature


— Bill Atkinson P.E.

Note: This proposal may be withdrawn by us after

30 days.

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Vermont Mechanical, Inc. is pleased to offer our price for the above referenced project. Our bid proposal includes all necessary material, labor, equipment and supervision to complete the mechanical scope of work as described below.

We specifically exclude all penetrations through the stone foundation. It is assumed those will be provided for us by breadloaf. All pricing for the base bid and alternates is included as an attachment to try to match the breadloaf breakout pricing requests.

Mechanical:

1st Floor HVAC - Basis of design Daikin

Furnish and install 97% or greater efficient natural gas fired furnace / air handling unit with an ASHP condensing unit as the first stage of heating and for cooling. Unit shall be located in the basement. Supply air shall be ducted to floor registers beneath the windows and return air shall be ducted to a common return. Units shall be provided with accessories to allow for heat pump heating operations down to approximately 20° F DB outdoor ambient air conditions. Base system shall include MERV 8 filtration. Provide one spare set of filters for owners first change out.

This system will be provided and installed with a dual enthalpy economizer, which can also be used for demand controlled ventilation if the add alternate is selected. This economizer will operate independently of the heat pump but will only be energized when there is a call for cooling from the heat pump.

The Two offices currently served by the hydronic system will be provided with air source heat pumps either wall or ceiling mounted. The Egress stairwell will have its baseboard removed and will have electric baseboard installed in the same general location.

1st Floor HVAC - Alternate design (Cold weather heat pumps)

Furnish and install in lieu of the furnace/heat pump unit a cold climate heat pump with no gas heat capable of operating down to winter design conditions with full heating capacity at 0 degrees.

1st Floor HVAC – Zone Damper zoning system (Requested add alternate – No Bid)

At this time we will not provide a zone damper control system as they rarely offer a level of comfort that reflects added value.

Merv 13 Filtration in the furnace/split system : Add Alternate

Furnish and install Merv 13 filters in lieu of the Merv 8 filters and test and balance the system with the new filters installed.

UV-C Germicidal Lamp disinfection system – Basis of Design UV-aire

Furnish and install a UV-C lighting system in the ductwork at the new unit to provide UV treatment of the air as it passes through the system. This will be installed per the manufacturers recommendations and more information can be provided upon award.

Basement Heating:

Provide and install a gas fired unit heater to provide heating in the basement crawl space. With all gas piping, venting, heat only thermostat to meet the RFP requirements.

Basement Dehumidification: Add Alternate

Provide and install a 192 pint per day commercial dehumidifier in the basement crawl space with an integral humidistat. This unit will be piped to the waste line feeding the existing sump pump.

Basement Ventilation: Add alternate

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Provide and install an inline exhaust fan and humidistat in the basement.
This will be ducted through the exterior foundation wall, and terminated above grade with a goose neck or similar.

Demolition:

Demo existing boiler system and all old equipment remaining in the basement (pumps, piping expansion tank no longer used. Concealed piping and equipment within walls ceiling etc. shall remain.

***-Baseboard radiation serving offices/bathrooms will be drained by us and removed by others.**

Ventilation system – Basis of design Renewaire EV450IN

Furnish and install a heat / energy recovery ventilation system for the first floor. The ventilation system(s) shall incorporate energy recovery to maximize energy efficiency. The ventilation for the floor shall be controlled based upon Occupied/Unoccupied modes via time clock, Ventilation system shall only run during occupied periods. All ductwork shall be located in the basement. Supply and exhaust air shall be via side wall intakes through the stone foundation wall with a gooseneck or similar to terminate above the snow line.

Ventilation CO2 DCV alternate:

Furnish and install a co2 sensor in the main library space to activate the economizer dampers in the heat pump system. With this alternate, the ERU could be balanced to a potentially lower cfm or eliminated if desired.

Vestibule and Stairwell heating – basis of design electric baseboard heat and thermostat with locking cover.

· Provide supplemental heat in vestibule / lobby as required to offset door infiltration.

Sump pumps :

Provide and install redundant sump pumps in the basement crawl space which will be piped to the existing sump pump located in the newer addition. There will be a new audio/visual alarm installed as part of this system and will monitor the level below grade level in the basement.
****At this time there is no callout feature priced, only a local alarm.**

Furnish and install duct mounted smoke detectors **as required** by code for applicable systems. Under our contract we will not run wires or terminate at the fire alarm panel.

- Provide Testing and balancing by an independent T&B contractor.
- Provide System start-up and warranties per General Scope of Work on the complete installation.
- Provide owner instructional walk-thru.

Electrical:

We will provide Electrical Connections, design, wiring, breakers, and installation from the existing panel to newly provided equipment. We assume that the existing panel service is adequate for all new equipment, and as such any panel improvements other than adding new breakers is excluded. Our work will be designed and installed by a master electrician who will be performing the work.

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Mechanical Schedule of Values Amount	Cost
Demolition & make safe of existing /abandoned	4340
Plumbing Piping	2533
Plumbing Insulation	250
Sump pumps and controls	1612
Refrigerant Piping	included in hvac
HVAC Major Equipment	28562
HVAC Ductwork & RGD's	30911.5
HVAC Insulation (Pipe and Ductwork)	5243
Gas Piping	2847
Controls	7800
Test & Balance	2247
Electrical	11,283
Start-up	1800
Close Out Documents	1600
Misc.	6,323
Design	5427
State and Local Tax	Included in numbers
Base Contract Total	112778
Alternates:	
Add 100% P&P Bond	\$1,900
Alternate for UV-C germicidal disinfection	Add \$650
Alternate for MERV 13 filters	No Cost
Alternate for MERV 17 filters removed by add#1	N/A
Alternate for Zone Damper System	No Bid
Alternate for Basement Ventilation	Add \$ 5280
Alternate for Basement Dehumidification	Add \$ 7769
Alternate for Demand Controlled Ventilation (Add#1)	Add \$1632
Alternate to change to cold climate heat pump (Addendum#1)	Add \$11,729
Alternate for Duct leakage Testing (Add#1)	Add \$3618

Standard Exclusions: Abatement surveys and/or remediation, architectural access panels & doors, architectural caulking & finishes touch up & repairs, architectural/structural surfaces/finishes cutting & patching, AutoCAD coordination and/or 3-D modeling, bonds, buried fuel tank removal/disposal/remediation, commissioning agent services, concrete & masonry work including saw cutting/breakup/patching/leveling & grouting, core drilling and square openings larger than 8" round or 12" square, door undercutting and/or door grill openings, dumpsters, duct cleaning services, duct leak testing, fire and smoke dampers that are not clearly shown on drawings, electrical work, engineering, excavation/trenching & backfill, final cleaning, fire protection/suppression and fire line stub out, gas meters & gas pressure regulators, glycol, IAQ management, insurances beyond our standard limits, landscaping repairs, liquated damages, LP Tanks and/or buried to building feed-lines & stage regulators, painting, piping beyond 5 feet outside of the building, pressure switch and alarm wiring and/or other interconnecting equipment wiring, prevailing wages, radiographic and/or dye penetrant testing, roof curb installation, roofing including decking openings/flushing & patching, sales tax, seismic & vibration calculations & certifications, shift/weekend/holiday and-or overtime labor, sound & vibration testing, starters/disconnects & VFD's not factory

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equipped, structural steel and/or surveys and stamping, temporary utilities and/or temporary HVAC systems or services, underground utilities and final services connections, utility metering, 3rd party testing and inspection services, floor protection, roof protection, work not specifically mentioned above in the clarifications and inclusions or clearly shown on the drawings, snowmelt underground board insulation, we have not included contingencies or escalations associated with upcoming tariffs

We Propose hereby to furnish material and labor – complete in accordance with the above specifications, for the sum of: **See Pricing breakout in document**

Payment to made as follows: **Net 30 Days**

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker’s Compensation Insurance.

Authorized Signature William E. Atkinson P.E.
– Bill Atkinson P.E.

Note: This proposal may be withdrawn by us after **30** days.

Acceptance of Proposal – I have the authority to order the above work and do so order as outlined above. It is agreed that the seller will retain title to any equipment or material furnished until final & complete payment is made, and if settlement is not made as agreed the seller shall have the right to remove same and the seller will be held harmless for any damages resulting from removal thereof. The undersigned understands that a finance charge of 1.5% per month (18% per annum) will be charged on all balances if not paid by the 10th of the month following the invoice date. The undersigned agrees to be responsible for all reasonable collection fees, including attorney’s fees. Applicant will notify Vermont Mechanical, Inc. if it changes its legal entity or ownership.

Signature _____
Signature _____
Date of Acceptance _____