

**Town of Woodbury, Connecticut
Request for Proposal**

**Replacement of (2) indoor and outdoor HVAC
Air Handler and Condensing Units**

**Woodbury Public Library
269 Main Street South
Woodbury, CT 06798**

Proposals Due: November 6, 2020

REQUEST FOR PROPOSAL
REPLACEMENT OF HVAC – WOODBURY LIBRARY

The Town of Woodbury is requesting proposals for the replacement of 2 indoor and outdoor HVAC air handler and condensing units. Specifications for the project are attached.

The Board of Selectmen may accept the bid which, in its sole discretion, it determines to be in its own best interest, or it may reject any or all bids. The bidding documents in no way establish the rights of any bidder to the award of the contract.

To make arrangements to view the work site, please call Sue Piel, Library Director, at (203) 263-3502 or email spiel@biblio.org.

The Town of Woodbury is an Affirmative Action/Equal Opportunity Employer.

Sealed bids must be received in the First Selectman's Office, 281 Main Street South, Woodbury, CT 06798, no later than **10:00 a.m., Friday, November 6, 2020**, at which time the bids will be publicly opened. **Please mark the envelope "Sealed Bid – Library HVAC"**.



Barbara K. Perkinson
First Selectman

Attachment – Specifications



WOODBURY
PUBLIC LIBRARY

269 Main Street South
Woodbury, CT 06798
phone: 203-263-3502

Susan D. Piel
Library Director

Scope of work: for all units:

- ❖ Demo Gallery and 2nd floor indoor and outdoor units, recover refrigerant to EPA standards. Remove from the premises and dispose of in a proper manner
- ❖ Remove the existing outdoor concrete slabs for the two condensing units and dispose properly.
- ❖ Remove all refrigeration piping associated with the two units.
- ❖ Disconnect electricity to each component and make safe.
- ❖ The existing Lennox 15 ton unit to be replaced with
 - Carrier 15 ton air handler with 2 speed fan, dual circuit, hot water coil, vertical configuration, 208v 3phase Model 40RUAA16T3A5-OAOAO
 - 15 ton condensing unit dual circuit model 38AUD16A0A5-OAOCO
 - Locate the new air handler against the demising wall that separates the air handlers from the open library area. Turn the air handler 90 degree from existing , allow 30" of clearance on the left & right hand sides.
 - Provide a new return plenum and connect to the existing return drop on the west all.
 - Provide a new supply plenum and transition to the existing supply trunk near the ceiling wall.
 - Provide radius fittings or turning vanes per SMACNA standards.
- ❖ The existing Carrier 7-½ ton unit is to be replaced with
 - Carrier 6 TON AIR HANDLER with 2 speed fan, single circuit, hot water coil, vertical, 208v 3phase 40RUAA07T3A5-OAOAO
 - 6 ton condensing unit, single circuit, two stage, model 38AUZD07A0A5A0A0C0
 - Locate the new unit on the north exterior wall between the two outdoor air vents.
 - Connect to the existing supply and return trunks. Connect the existing outside air duct to the return plenum with motorized damper.
- ❖ Provide a safety pan under each air handler with water detection, interconnect to shut down the unit..
- ❖ Provide new refrigeration piping per the manufacturer recommendations. Provide armafex insulation with a wall thickness of ¾".
- ❖ Connect to existing electrical circuits, relocate electrical services as needed to each piece of equipment. Provide new disconnect for outdoor units.
- ❖ Provide a two way zone valve for the Gallery unit, install a 3 way zone valve for the 2nd floor unit.
- ❖ Install motorized dampers in the ductwork used to provide ventilation air to each air handler. Damper to open when fan operates.
- ❖ Upgrade controls for the operation of the air handler, install zone sensors with the capability to set schedule and limit public access.
- ❖ Pour a new concrete pad for the two outdoor condensing units. Remove 6" of top grade, install 6" of ¾" crushed stone and Compact, pour a pad 6" above grade with remesh.
- ❖ Commission units
- ❖ Warranty workmanship and material for one year, provide an additional 4 year warranty on the compressors by the manufacturer.