



**PROPOSAL**

Public Safety Building HVAC Controls

**PREPARED BY**

Siemens Industry, Inc.

**PREPARED FOR**

Town of Saugus

**DELIVERED ON**

September 13, 2019



**Table of Contents**

SIEMENS PROPOSAL ..... 3

    Contact Information ..... 3

    Executive Summary ..... 4

    Sell Price..... 5

Terms and Conditions..... 6

    Terms & Conditions Link(s) ..... 6

Signature Page ..... 7

    Signature Page ..... 7

## Contact Information

Proposal #: 4053073-PSB  
Date: September 13, 2019

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Customer Contact: Scott Crabtree  
Customer: Town of Saugus  
Address: 298 Central Street  
Saugus, MA 01906

Services shall be provided at: Saugus Public Safety Building  
Saugus, MA 01906

## Executive Summary

### Observations:

Siemens has identified the legacy building controls located at the Saugus Public Safety Building have little to no graphics capabilities, no alarm monitoring, and an operating server running Windows XP on its last leg. The legacy controllers for the (Qty. 4) Roof Top Units, boilers, pumps, and VAV boxes have no monitoring or trending capabilities for troubleshooting. No one in the town is familiar with how the legacy system operates and when a service call is placed with the vendor, the technicians are not familiar with the legacy product.

The Public Safety Building has 4 Roof Top Units (RTU) that supply conditioned air to the space at a specific temperature. The HVAC control system then controls a quantity of 36 Variable Air Volume (VAV) boxes downstream of the RTU. The VAV boxes modulate an air damper and hot water coil based upon the local room temperature sensor.

### Recommendations:

It is recommended to migrate the Public Safety Building HVAC controls system to Siemens and integrate to the town's Siemens centralized control system for remote access, control, monitoring, trending, and alarming of equipment.

### Scope of Work:

Provide (QTY. 2) Siemens APOGEE PXC Series controller mounted in enclosures to be mounted in basement boiler room and third floor electrical closet. The basement controller to integrate/monitor the boiler, hot water pumps, and local room thermostats. The third floor controller to integrate/monitor the (Qty. 4) Roof Top Unit's that supply conditioned fresh air to the space and local room thermostats. Siemens will then replace the controller, actuator, hot water valve, and supply air temperature sensor on (QTY. 36) Variable Air Volume (VAV) Controllers that control room level temperature. New graphics will be created for these systems for remote connection from the Siemens building management system.



**Clarifications/Exclusions:**

- This proposal is based on normal working hours, 7:00 AM - 4:00 PM Monday-Friday. No overtime.
- This pricing does not include the cost for Commercial General Liability coverage on a per project or per location basis. If this type of coverage is required, Siemens will provide the cost upon request.
- All wiring in mechanical rooms and exposed areas shall be in EMT. In concealed areas, wiring shall be plenum rated.
  - IP drop with static IP address shall be provided to basement controller and 3rd floor controller by others.
- Price excludes all taxes.
- Anything not included in this scope.

**Sell Price**

Alternate 1	\$171,256.00
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## Terms & Conditions Link(s)

**Terms and Conditions (Click to download)**

[Terms & Conditions](#)

(www.siemens.com/download?A6V10946842)

## Attachment A

**Riders (Click on rider below to download)**

[SI Monitoring Rider](#)

(www.siemens.com/download?A6V10946171)

[SI Online Backup and Data Protection](#)

(www.siemens.com/download?A6V10946174)

[SI UBM or Utility Procurement](#)

(www.siemens.com/download?A6V10946178)

[SI Software License Warranty](#)

(www.siemens.com/download?A6V10946180)

[SI Consulting Rider](#)

(www.siemens.com/download?A6V10946838)



Signature Page

Proposed by:

Siemens Industry, Inc.

\_\_\_\_\_  
Company

Brendan Leary

\_\_\_\_\_  
Name

4053073-PSB

\_\_\_\_\_  
Proposal #

\$171,256.00

\_\_\_\_\_  
Proposal Amount

September 13, 2019

\_\_\_\_\_  
Date

Accepted by:

TOWN OF SAUGUS

\_\_\_\_\_  
Company

\_\_\_\_\_  
Name (Printed)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Purchase Order #