

News Release

FOR IMMEDIATE RELEASE

Date: April 22, 2020

Field Hospital Construction for COVID-19 Patients



Pawtucket, RI — Arden Engineering Constructors, Earthwise Energy Technologies, and Unique Metal Works, recently participated in the construction of two COVID-19 field hospitals located in Providence and Cranston, Rhode Island. The completed field hospitals created 935 additional patient beds for the anticipated COVID-19 surge in Rhode Island. Construction started Monday, April 6, with two 12-hour shifts running seven days a week and was completed on April 18.

Arden Engineering Constructors provided and installed all the HVAC piping, plumbing, ductwork, and medical gas piping for the project. Arden's in-house fabrication shop created finished bathroom piping systems ready for installation.

Unique Metal Works fabricated and installed approximately 6,000 feet of spiral exhaust ductwork with connection to plenums to provide "negative air flow" and prevent the escape of possible contamination. Unique Metal Work's ability to fabricate and install ductwork streamlines productivity providing project cost efficiency and greater quality control.

Earthwise Energy Technologies, specializing in building automation and controls, installed the monitoring and alarming for the negative pressure exhaust systems for the patient and pharmacy areas. The control systems can be monitored remotely using a graphic interface with the ability to make any needed adjustments at any time, from anywhere.

[Click here to view construction photos.](#)

Description are listed on the following page.

Arden Building Companies is a \$170 million mechanical construction, engineering, HVAC service, plumbing, fire protection and electrical firm. The company provides a full range of design, construction, and maintenance services for complex building systems, serving numerous blue-chip clients in pharmaceutical, healthcare, higher education, commercial and heavy industrial markets throughout RI, CT and MA.

Arden Building Companies' members include Arden Engineering Constructors, Corporate Mechanical of New England, Earthwise Energy Technologies, M.J. Daly, and Unique Metal Works.

For additional information please visit our website: <http://www.ardenbuildingcompanies.com>.

###



citizens_1

Citizens_1-3

Former Citizens Bank building in Cranston, Rhode Island. Installation of exhaust fans, filter plenums, and ductwork at ground level.



citizens_2

Citizens_4

Completed installation at Citizens.



citizens_3

Citizens_6

Weather rated variable frequency drive, filter differential status, and isolation damper at the former Citizens Bank building in Cranston, Rhode Island.



citizens_4



citizens_6

Citizens_7

Field controller and supervisory controller at Citizens.



citizens_7



ricc_1

Ricc_1-2

Plenums get rigged to rooftop of Rhode Island Convention Center.



ricc_2

Ricc_3-4

Connection of plenums to exhaust fans, spiral and associated ductwork to provide needed negative pressure exhaust.



ricc_3



ricc_4

Ricc_5

Completed rooftop installation at Rhode Island Convention Center.



ricc_5

Ricc_6

Weather rated variable frequency drive, filter differential status, and isolation damper at the convention center.



ricc_6

Ricc_8

Field controller and supervisory controller at convention center.



ricc_8



ricc_9

Ricc_9

Graphic interface for controls, monitoring, and alarming for negative pressure medical exhaust systems and pharmacy controls systems installed at Rhode Island Convention Center.