



Monroe Public Schools

Operations and Technology Department

1275 N. Macomb St

Monroe, MI, 48162

MEMO

To: Andrew Shaw

From: David Payne

Date: 4/15/2026

Subject: Data. Center Air Conditioning Purchase and Installation – Administration Building

We recommend the purchase and installation of a new air conditioning system for the data center located in the Administration Building, at a cost not to exceed \$87,658.12, to be completed by Automated Logic.

The proposed installation includes two 5-ton air conditioning units. These units will be configured to optimize airflow by drawing cool air in at the front of the server racks and exhausting warm air out through the rear. Additionally, the system will incorporate an air intake vent to bring in cooler outside air during colder months, improving energy efficiency and reducing wear on the equipment.

This project is time-sensitive and should be completed as soon as possible. The existing units are failing, experiencing refrigerant loss, and are currently recharging every 30 to 40 days. These issues are expected to worsen as temperatures rise, increasing the risk of system failure and potential damage to critical infrastructure.

Funding for this project will be allocated from the Site and Sinking Fund and is part of this summer's district site and sinking fund planned projects.

Recommendation: Approve the proposed purchase and installation of a new air conditioning system for our data center at the administration building by Automated Logic at a cost not to exceed \$87,658.12 and it will be funded by the site sinking fund budget.

Thank you,

David Payne

Executive Director of Operations and Technology

Server Room Air Conditioning Installation

Company	Price	Funding
Automated Logic	\$87,658.12	Site Sinking
Monroe Plumbing	\$94,520.00	Site Sinking

IT Dataroom Cooling

Prepared For: Monroe Public Schools
Attn: Larry Zimmerman
Project Info: 1275 North Macomb Street
Monroe, MI 48162

Date: 3/18/2026

Prepared By: Shane Spring | *Service Account Manager*
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Shane.Spring@carrier.com

Terms:

This non-binding Budgetary Proposal is submitted for budgetary purposes only. Nothing in this proposal shall be construed as creating a binding obligation of ALC with respect to its subject matter or otherwise relied on by the recipient. Only a fully executed agreement between the Parties shall be binding. Any final agreement between the parties must be in writing, signed by both parties, and shall be subject to the Automated Logic Terms & Conditions of Sale for the Country/Region where the goods/services subject to this proposal are delivered posted on Carrier's webpage: <https://www.corporate.carrier.com/legal/terms-of-sale>.

Project Description:

Automated Logic Contracting Services, Inc., is pleased to provide this budgetary proposal for IT Dataroom Cooling per the scope listed below.

Project Cost

Base Bid	\$87,658.12
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Scope of Work

Base Bid

- Coordinate work with the customer.
- Disconnect electrical from two existing 3-ton split systems.
- Recover refrigerant from two existing systems.
- Demo condenser, line sets, and evaporators for two existing systems.
- Provide and install two new 5-ton Carrier split systems. Each system consists of a 5-ton condenser and an indoor fan coil unit.
- Provide and install supply and return duct from each fan coil unit to the server room.
- Provide and install a line set between each condenser and its fan coil unit.
- Provide and install new power wire to each condenser.
- Provide and install new power and control wire between each condenser and fan coil unit.
- Charge each new split system with refrigerant.
- Startup each split system.
- Provide and install one new 18" by 18" outdoor wall louver with damper actuator.
- Provide and install duct from the new louver to the IT room.
- Provide and install a new relay for the existing exhaust fan.
- Provide and install a new SE563sp controller on each split system.
- Provide and install a new ZS2P-H-ALC sensor in the IT room.
- Connect the controllers to the existing network in the building.
- Program the controllers for the split system and the exhaust fan and louver.
- Confirm operation of the controls.
- Clean up and check out with the customer.

Scope Clarifications & Exclusions

Clarifications:

- A formal quote will be provided upon request after review of this budget.
- Interface*: Provide an integration to the factory provided controls. It is the unit manufacturer's responsibility to ensure the controls are operating per the sequence of operation prior to the start of the integration. The manufacturer must make available all points required for proper BAS control and monitoring via the single point integration interface.
- Any control valves, dampers, thermowells, flow meters, air flow monitors, and pressure taps listed above will be provided to the mechanical contractor for installation.
Provide all necessary low voltage control wiring per local installation code with Union Electricians.
- Provide (2) hours of onsite customer training.
- Provide (0) hours of onsite third-party commissioning assistance
- This budget proposal price is valid for (30) days
- Provide a (1) year warranty for the ALC furnished material and BAS.
- This proposal is based on labor during normal business hours.
- This proposal is based on the attached contract terms.
- Construction Prevailing Wage Notice – Automated Logic does not employ laborers or mechanics subject to the prevailing wage requirements of the Davis-Bacon Act and similar state statutes. Automated Logic's job functions include design, programming, engineering, and verification of computerized automation systems, control modules and end devices, and performance of software modification. Any work to install equipment is performed by other companies in the construction and installation business. If applicable, Automated Logic will flow all construction prevailing wage requirements down to its subcontractors performing covered labor.

Exclusions:

- Liability for existing controls and equipment to remain.
- Manufacturer-Provided Controls for Packaged Units described above.
- Field control/power wiring for Manufacturer-provided controls unless noted above (Boilers, Chillers, VFDs, etc.)
- Furnish and installation of communication cards for third party equipment and/or devices
- Startup and commissioning of third-party controls and/or equipment
- Third party commissioning assistance unless mentioned above
- Variable Frequency Drives (VFD) or Variable Speed Drives (VSD) and installation of them unless otherwise noted
- Power Wiring (120v)
- Fire dampers, smoke dampers, combination fire/smoke dampers, or any associated actuators/interlock wiring.
- Cutting, patching, painting, demolition work, roofing work, hoisting charges, or access doors
- Fiscal responsibility for consequential & liquidated damages.
- Permits, fees, or performance and/or payment bonds.
- Testing & Balancing.
- Premium time.

BUILDING AUTOMATION SYSTEM BUDGET



Thank you for your consideration of Automated Logic for this project. We look forward to working with you and your team on this unique opportunity. Please feel free to contact me anytime with questions or for any clarifications or scope modifications.

Sincerely,

Shane Spring

Shane Spring

Service Account Manager

Automated Logic Contracting Services

Mobile: (419) 887-1611

Shane.Spring@carrier.com

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MONROE, MICHIGAN 48161
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NEW! 121 N. TECUMSEH ST.
ADRIAN, MI 49221
PHONE: (517) 280-5511

**Monroe Public Schools
Administration Building – IT Server Room Cooling**

DATE: 04/01/2026

To: Mr. Larry Zimmerman
Facilities Mechanical Maintenance

To furnish the necessary material, equipment, and labor to install new cooling within the existing server room, we quote the sum of;

\$ 94,520.00

The above quote is based upon the following:

1. Working hours Monday thru Friday, 7:00 A.M. to 3:30 P.M., less weekends and holidays.
2. Standard 1 year warranty on all work.
3. Removal of (2) existing mini split units including reclaiming of refrigerant.
4. Installation of a new outside air intake louver to take advantage of free cooling during shoulder months.
5. Installation of (2) new 5-ton cooling units based on 110,000 BTU heat load. Evaporator heads to be ceiling mounted within the server room. Duct work will be routed from the new evaporator heads mixing with the outside air.
6. New R454 refrigerant equipment. New evaporator heads to be interlocked with exhaust fan per new refrigerant code.
7. ALC will provide all temperature control programming and interlocking of equipment.
8. All power wiring is included.
9. All insulation is included.
10. All hoisting and rigging of equipment onto the roof is included.
11. Final jobsite cleanup and equipment check out is included.
12. Permits.

Excluded:

- 12.1. Engineering load calculations or stamped drawings. All design is based off onsite conversations.
- 12.2. Payment and Performance bonds are not included. Add 1% if they are required for work.
- 12.3. Off hours. It is assumed that we can do this work by phasing work with the outside air and replacing one unit at a time.

Thank you for the opportunity to quote this work. Please call me if you have any questions or concerns.

Benjamin Vittore

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