

Thermosystems Project Profile:

CHALFANT HALL OLIVET NAZARENE UNIVERSITY

Bourbonnais, IL | May 2026

"In coordination with multiple regional contractors—including PSI, Glade Plumbing and Piping, M&M Sheetmetal, and KPI Electric—ONU completed the replacement of the existing ~30-year-old HVAC equipment. The upgraded system is designed around a chilled water loop for space cooling, while the heating is provided via gas-fired heat exchangers, effectively replacing the older steam heating system.

The new equipment incorporates high-efficiency motors and improved system controls which are expected to enhance overall system performance, increased energy efficiency, and reduced operating costs."

- Pat McConnell, Facility Engineer, Olivet Nazarene University



An Atypical Replacement

At Chalfant Hall, what seemed like a simple AHU replacement turned out to be a complex engineering challenge. With no crane access to the building, conventional equipment replacement would not be possible. Faced with this constraint, our team worked closely with engineers and Olivet Nazarene University (ONU) to rethink the replacement approach.

A Collaborative Solution

To get the equipment onto the roof, there was only one way to go: up.

Our Applied Equipment Sales team selected Daikin Skyline Air Handling Units designed for sectional delivery. From there, our team collaborated with the ONU facilities team to coordinate a helicopter lift, bringing each piece safely up to the roof. With plenty of on-site meetings along the way, everyone was on the same page so that the replacement was smooth.

Equipment Installed



(2) Daikin Skyline
Air Handling Units with
MAS Customizations

Adaptability in Action

Constraints become opportunities when engineering and creativity come together.



In this case, strong communication between our team and ONU unlocked a solution tailored to the building's unique infrastructure. Paired with strategic alignment, we stayed agile through every phase of the project.

THE RESULT:

A successful rooftop replacement rooted in intentional planning to protect equipment integrity and extend the system's reliability.

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