

Thermosystems Project Profile: **HOLY CROSS CHURCH - BATAVIA, IL**



"At VP Mechanical, we approach projects with a focus on long-term performance, not just equipment replacement. At Holy Cross Church, the existing system was confined to a tight mechanical space that limited serviceability and future flexibility. By working closely with the project team, we were able to rethink the layout and deliver a more efficient, serviceable system that better supports the facility's needs.

Projects like this are where design-build brings real value—when coordination, planning, and practical field experience come together to produce a solution that performs well for the owner over the long term."

- John Ambrogio, Owner, VP Mechanical

THE CHALLENGE

Holy Cross Church's existing HVAC setup felt crowded and dated, being packed into a tight mechanical room. The layout left little room for serviceability or system expansion. Rather than replacing equipment like-for-like, the project team sought a more robust, energy-efficient solution that would overcome the significant space constraints while improving overall performance.

In partnership with **VP Mechanical**, we reimagined and developed a robust, efficient design-build solution tailored to Holy Cross Church's operational goals.

A TAILORED SOLUTION

1. **Custom-sized Daikin Vision Air Handling Units** to fit the tight mechanical room while meeting performance needs.
2. **Configured Daikin PreciseLine Units** to match the existing contact pads and structural steel for a seamless installation.
3. **Coordination with Daikin's application engineering team** to confirm all required chiller clearances for proper airflow, safety, and maintenance access.

IMPACTFUL RESULTS

A precisely engineered, space optimized mechanical system designed to enhance performance for years to come.

EQUIPMENT INSTALLED



(2) Daikin Vision Semi-Custom AHUs



(1) Daikin Trailblazer Air Cooled Scroll Chiller with pump package



(4) Daikin PreciseLine Units

FACTORS FOR SUCCESS

The final design delivered stronger system reliability and better energy performance for Holy Cross Church, driven by:

- **Collaborative Partnerships:** A fully aligned team delivering a trustworthy solution.
- **Strategic Design:** A custom system built to maximize performance within the space.
- **Deep Product Knowledge:** 20+ years of experience guiding informed building decisions.

CONTACT US TO DISCOVER MORE.

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