

Project

Name
Holy Trinity Church

Location
240 Route 28
West Harwich, MA 02671

Completion Date
September 15, 2013

The Team

HVAC Contractor
Aqua Services Plumbing
& Heating

HVAC Distributor
Sid Harvey, West Yarmouth

Fujitsu Equipment

- (12) ASU36CLX1 Wall Mount
- (12) AOU36CLX1 Outdoor Unit
- (4) AU24CL1 Wall Mount
- (4) AOU24CL1 Outdoor Unit
- (2) ABU24RULX Universal Mount
- (2) AOU24RULX Outdoor Unit



Comfortable & Quiet Environment

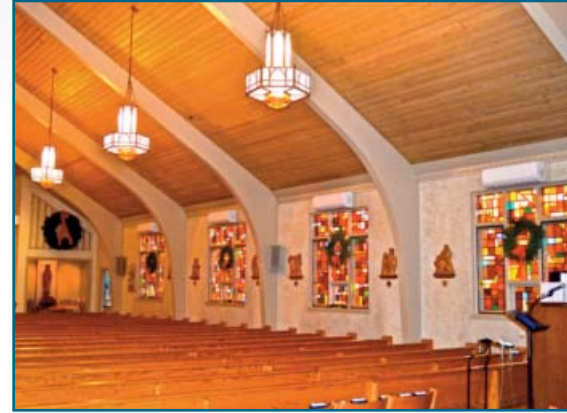
Holy Trinity Church is a Roman Catholic Parish located in West Harwich, MA. Built in 1965, the current 15,000 sq. ft. building has replaced two prior buildings both destroyed by fires. The first in 1927 and the second in 1963. The summer population on Cape Cod has grown very large over the years and Holy Trinity Church has grown as well.

Design Challenge

Holy Trinity Church is a wide-open post and beam type of construction on a concrete slab eliminating any possible mechanical spaces for traditional ductwork. The existing heating system is a hot water system with original piping run underground. The building's open space, cathedral ceilings, large stain glass windows and large volume of people as well as the desire to have the equipment blend in as much as possible with the existing architecture create the design challenges.

Solution

The two main reasons Fujitsu equipment was chosen were the familiarity and confidence the contractor had with the equipment (Aqua Services is trained with and uses Fujitsu exclusively) and the willingness on the distributor, Sid Harvey to organize and arrange representatives of the equipment to aid in the sizing and design of the system.



Mini-splits created a quiet environment, both inside and out.



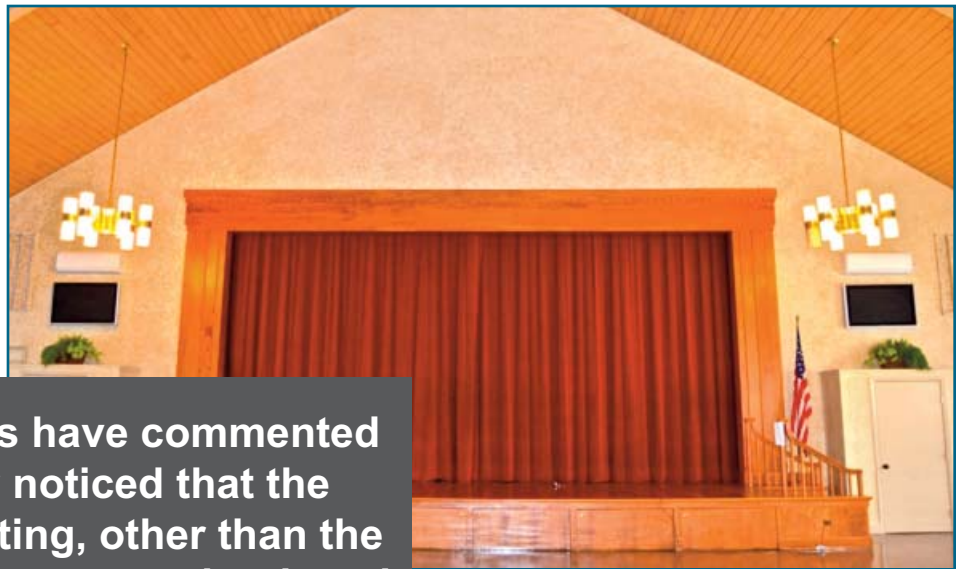
Results

After having a new electrical service brought into the building and all the electrical supplies moved underground with the latest technologies there was no needed landscaping, carpentry or painting and the installation did not impede with the normal function of daily masses, funerals or weddings. With the quick increase of a high volume of people entering the space at one time and the modulating capacity of the Fujitsu units, the

comfort level of the space is maintained seamlessly. Close attention was paid to the outdoor installation on units, line-sets and covering to blend in as much as possible in a uniform manor.

Customers Testimonial

The church staff has commented that the ease of use and quick response, as well as the ability to control separate areas in the building, has been a huge benefit. Many parishioners have commented that they hardly noticed that the system was operating other than the comfortable temperature and reduced humidity levels. In addition, many positive comments were made regarding the two floor units that were installed in the church function hall with heat pumps to help the existing heating system to quickly achieve required temperature, which was previously a problem.



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