

## BLUEPRINT

# FIRST PRESBYTERIAN CHURCH DELAND, FLORIDA

### PROJECT INFORMATION

**Building Type:** Church

**Contractor:**  
Blaine Aldrich, President  
Comfort Services

**Distributor:**  
Dave Sheffield, Manager  
Coastline Distribution

**End User:**  
Tom Lee  
First Presbyterian Church



### Challenge:

*Church was facing \$500K to replace failed chiller, plus \$3K monthly for rent and operational costs.*

### The Solution:

*Two Daikin VRV systems at well under half the cost.*

### DAIKIN EQUIPMENT

- VRVIII Heat Pumps
  - 2 RXYQ168MTJU Outdoor Units
- Concealed Ducted Units
  - 14 FXSQ24MVJU Indoor Units
- Wall Mounted Units
  - 2 FXAQ24MVJU Indoor Units

First Presbyterian Church's prayers were answered when Daikin VRV saved the church thousands of dollars in both installation and monthly operational costs.

When the church's 42-ton chiller failed, the congregation was told they needed to upsize to a 50-ton unit to keep the aesthetics of the sanctuary intact, but this would cost the congregation \$400,000 - \$500,000. In the meantime, the monthly rent and operational cost for the temporary chiller was a hefty \$3,000 per month.

A consulting engineer determined the actual load was 25 to 30 tons, with the recommended solution to install two 14-ton Daikin VRV outdoor condensing units. Each outdoor condensing unit is connected to seven ducted indoor units that utilize the existing sidewall grills, reducing installation expense. In addition, two wall-mounted indoor units were installed in the upper mezzanine, solving a long-standing comfort problem in the choir loft and overflow worship areas.

The systems' small footprint and low noise levels make them virtually unnoticeable. System zoning allows the systems to adjust capacity as loads change, adding to energy efficiency.

Due to the compact nature of the Daikin VRV systems other existing equipment was kept intact. This saved additional costs related to removing and replacing the equipment.

The Daikin units, with installation, came in under \$200,000, and the energy bill has been reduced by almost \$700 per month.



## FIND OUT MORE ABOUT DAIKIN VRV.

Contact your local dealer or manufacturer's representative.

### Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

Actual savings and costs will vary. Cost and savings statements are applicable solely to the installation indicated. For additional information please contact the installing contractor, distributor or factory representatives.