

## BLUEPRINT

### YMCA DELAND, FL

#### PROJECT INFORMATION

**Contractor:**

Blaine Aldrich  
Comfort Service, Inc.  
Deland, Florida

**Distributor:**

Dave Sheffield  
Coastline Distribution  
Daytona Beach, Florida



#### Challenge:

*YMCA was \$600,000 over budget for expansion and renovation.*

#### The Solution:

*Daikin VRV systems reduced the budget by \$500,000 and made comfort and energy savings possible.*

YMCA in Deland, Florida was planning to add 16,000 sq ft to their existing 40,000 sq ft facility, but the expansion and renovation project was coming up \$600,000 over budget. The existing facility was conditioned with a substantial number of conventional AC rooftop package units to achieve a zoning effect for areas that were very different in use, and the addition required quite a few more.

and readily available from local inventories. In addition, Daikin's design tools (Xpress) and diagnostics support the installer before, during and after the installation. Blaine Aldrich was able to demonstrate that by properly applying Daikin VRVs to the project, not only could comfort be improved, but both first costs and energy costs could be substantially reduced. The engineered solution removed 10 rooftop package units from the equation, and added the capability of a centralized controller to not only



This project was a larger commercial application, but Daikin contractor, Blaine Aldrich with Comfort Service, Inc. completed the project rotating a crew of only 5 technicians. VRV allows smaller dealers and contractors to enter the commercial arena, because the equipment is compact, easy to install,



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monitor all of the Daikin equipment, but also control the ERV units used to meet outside air requirements.

This approach reduced the construction budget by almost \$500,000. Significant savings were also realized in reduced electrical requirements needed for the inverter technology, as well as reduced ceiling plenum height as a result of eliminating most ductwork.

The Daikin VRV inverter systems (102 tons total) and 46 fan coils from 1.5 to 3 tons each, handle the unique shifting load requirements of the various spaces with ease. Both wall-mount and ceiling cassette style were utilized to fit easily into the existing architecture, as well as the new spaces. Occupants are unaware of the units due to their low noise, and the YMCA can look forward to reduced energy bills and happy guests and employees.

**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.

#### DAIKIN EQUIPMENT

- Outdoor Units
  - 2 RXYQ144MTJU
  - 1 RXYQ168MTJU
  - 3 RXYQ192MTJU
  - 1 RXYQ96MTJU
- Indoor Wall Mounted Unit
  - 1 FXAQ12MVJU
- Indoor Ceiling Suspended Units
  - 2 FXHQ36MVJU
- Indoor Built-In Concealed Ceiling Unit
  - 1 FXDQ07MVJU
- Indoor Ceiling Mounted Cassette Units
  - 4 FXFQ24MVJU
  - 4 FXFQ30MVJU
  - 22 FXFQ36MVJU
- Indoor Concealed Ceiling Unit
  - 1 FXSQ12MVJU
  - 1 FXSQ18MVJU
  - 2 FXSQ24MVJU
  - 2 FXSQ36MVJU
- Intelligent Touch Controller
- Wired Remote Controller

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.



Our continuing commitment to quality products may mean a change in specifications without notice.

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