

# BCH

MECHANICAL, INC.

## MOSAIC FLORIDA OPERATIONS CENTER

### PROJECT DESCRIPTION

This is a new \$20,000,000 state headquarters for mining giant The Mosaic Company. The new site is 7.4 acres in the Fishhawk Ranch area of eastern Hillsborough County. Mosaic will use this four story headquarters as a base for over 440 administrative-level employees, converging a number of smaller offices throughout the state.

Like many new commercial buildings, Ryan Companies, Inc. will incorporate a number of sustainable building features to apply for a Gold Certification from the US Green Building Council's Leadership in Energy and Environmental Design or LEED Program.

The mechanical systems consist of four high efficiency roof mounted air conditioning units serving over ninety variable air volume boxes. Four energy recovery units will be utilized for building exhaust and pretreatment of the outside air, which will help the building's energy efficiency. The building management system will monitor the heating and air conditioning systems, the lighting controls system, and power monitoring for measurement and verification. Power monitoring will allow the owner to monitor "chunks" of the building's electrical use.

Plumbing systems include low flush toilet and urinal systems with sensor flush valves. Lavatories have sensors with hydroelectric generators eliminating the need for battery replacements.

### Project Team

#### General Contractor

Ryan Companies, Inc.

#### Owner

The Mosaic Company

#### Mechanical Contractor :

BCH Mechanical, Inc.

#### Mechanical Construction Cost:

\$ 1,455,385

**Completion Date:** Spring 2010

