

## Reserve Center West Palm Beach, FL



**Size:** 60,000 S.F.

**Description:** The Reserve Center consists of classrooms, offices, multipurpose space, kitchen, maintenance shop and ancillary spaces.

**Scope:** Mechanical and plumbing engineering design, LEED energy modelling and project administration.

**Mechanical and Plumbing Systems:** 150 Ton air cooled chiller with variable primary flow pumps, air handling units with variable frequency drives, single duct variable air volume boxes, fixed plate energy recovery units, HVAC control system, grease traps, kitchen hood exhaust air system, fluid distribution systems, compressed air system, vehicle exhaust air system, water efficient plumbing fixtures and solar hot water heating panels.



# Oviedo High School Renovations Oviedo, Florida



**Size:** 400,000 S.F.

**Description:** The project consisted of classrooms, offices, gymnasium, dining hall, kitchen, auditorium, automotive workshop and ancillary spaces.

**Scope:** Mechanical and plumbing engineering design and project administration.

**Mechanical and Plumbing Systems:** Four (4) 300 Ton centrifugal water-cooled chillers with primary secondary flow pumping, cooling towers, variable air volume air handling units with pressure independent air terminals, HVAC control system, grease traps, kitchen hood exhaust air system, vehicle exhaust air system, water efficient plumbing fixtures and high efficiency instant gas fired hot water heaters.

## Lake Nona Middle School

### Lake Nona, Florida



**Size:** 112,000 S.F.

**Description:** The project consisted of classrooms, offices, gym, dining hall, kitchen, auditorium and ancillary spaces.

**Scope:** Mechanical and plumbing engineering design and project administration.

**Mechanical and Plumbing Systems:** Air cooled chillers, variable flow chilled water pumps, ice storage tanks, HVAC control system, ventilation systems for hurricane shelter, variable air volume air handling units, grease traps, kitchen hood exhaust air system, water efficient plumbing fixtures and gas fired water heaters.



## Meadowlane Intermediate School West Melbourne, Florida



**Size:** 116,700 SF.

**Description:** The project was comprised of classrooms, offices, dining hall, kitchen and multipurpose space.

**Scope:** Mechanical and plumbing engineering design and project administration.

**Mechanical and Plumbing Systems:** Water cooled central energy chiller plant serving three (3) schools namely Central Middle, Meadowlane Primary and Meadowlane Elementary. Additional systems include variable air volume air handling units with pressure independent air terminals, HVAC control system, ventilation system for the hurricane shelter, grease traps, kitchen hood exhaust air system and water efficient plumbing fixtures.