

(Selected Projects our Engineers have experience with)

**HIGH RISE STRUCTURES:**

**Mechanical/Electrical services:**

**Mastique - Ft Myers, Florida**

**Luxury residential condos**

- Mastique is 2 identical towers consisting of 21 stories with two stories of enclosed parking, one story of common areas, seventeen stories of typical residences and one story of unique penthouses.
- Plumbing design included sanitary (Sovent), storm drainage, domestic hot and cold water systems incorporating a duplex vertical VFD domestic booster pump system.
- Electrical design included individual tenant metering, building and parking security, state of the art fire alarm and networking system, interior & exterior lighting.
- Design emergency electrical systems incorporating 200KW generator.
- HVAC design utilized direct expansion equipment with central vent systems.
- Provided construction administration and project management.

**Developer:** The Jack Parker Corporation

**Status:** Completed 2005

**Plaza at 5 Points - Sarasota, Florida**

**Luxury residential condos with commercial and retail spaces**

5 Points is 16 stories tall and includes 15,000 square feet of retail space, as well as 87,000 square feet of commercial tenant space. Six floors of typical residences and one floor of unique penthouses sit on top of nine stories of retail, commercial and parking.

- HVAC design consists of a water source heat pump system with roof mounted fluid coolers and central vent systems of the entire building.
- Plumbing design included sanitary (Sovent), storm drainage, domestic hot and cold water systems incorporating a triplex vertical VFD domestic booster pump system.
- Design triplex vertical VFD make-up/irrigation booster pump system.
- Design of natural gas system included individual tenant and retail metering system.
- Electrical design included individual tenant metering, commercial/retail metering, building and parking security, state of the art fire alarm and networking system, and interior & exterior lighting.
- Design emergency electrical systems incorporating 750KW generator.
- Provided construction administration and project management.

**Client:** Ersa Grae Corporation

**Status:** Completed 2005

### **Orchid Beach Club - Lido Key, Florida**

#### **Luxury residential condos**

- Orchid Beach is 2 unique towers on top of a common parking structure consisting of 11 stories with one story of enclosed parking, one story of amenities, eight stories of typical residences and one story of unique penthouses.
- HVAC design utilized direct expansion equipment with central vent systems.
- Plumbing design included sanitary (Sovent), storm drainage, domestic hot and cold water systems incorporating a triplex vertical VFD domestic booster pump system.
- Electrical design included individual tenant metering, building and parking security, state of the art fire alarm and networking system, interior & exterior lighting.
- Design emergency electrical systems incorporating 500KW generator that serves both towers.

**Client:** US Assets Group

**Status:** In Construction

### **Castella – Bonita Springs, Florida**

#### **Luxury residential condos**

- Castella is 7 stories with one story of enclosed parking, one story of amenities and five stories of typical residences.
- HVAC design utilized direct expansion equipment with central vent systems.
- Plumbing design included sanitary (Sovent), storm drainage, domestic hot and cold water systems incorporating a duplex vertical VFD domestic booster pump system.
- Electrical design included individual tenant metering, building and parking security, state of the art fire alarm and networking system, interior & exterior lighting.
- Design emergency electrical systems incorporating 200KW generator.

**Client:** WCI Communities

**Status:** In Construction

### **The Beach Residences – Lido Key, Florida**

#### **Luxury residential condos**

- The Beach Residences is 12 stories with two stories of enclosed parking, one story of amenities, eight stories of typical residences and one story of unique penthouses.
- HVAC design utilized direct expansion equipment with central vent systems.
- Plumbing design included sanitary (Sovent), storm drainage, domestic hot and cold water systems incorporating a triplex vertical VFD domestic booster pump system.
- Designs of natural gas system included individual tenant metering system.
- Electrical design included individual tenant metering, building and parking security, state of the art fire alarm and networking system, interior & exterior lighting.
- Design emergency electrical systems incorporating 600KW generator.

**Client:** Taylor Woodrow

**Status:** In Construction