



### **2015 Elevated Tank of the Year**

Louisville-based Caldwell Tanks, Inc. was awarded the Elevated Tank of the Year by the Steel Tank Institute/Steel Plate Fabricators Association for 2015. This new 1MG Elevated Fluted Column Water Storage Tank has brought increased water pressure and fire protection in addition to serving as a centerpiece for self-advertising.

This all-steel elevated tank supports over 8 million pounds of water alone and peaks at 157.5 feet in the air. Due to its Florida location, high winds, soil conditions, and air quality checks/controls added to the design/implementation challenges of this fluted column tank structure and also required a 1/16" corrosion allowance. The electrical, SCADA, telemetry, piping, and valve work are all cleverly concealed from the public interface inside the fluted column while an all-steel roof handrail compactly encompasses the antennae and hatches atop of the tank. A complete Cathodic Protection system will help fight against the coastal corrosive atmosphere. The tank utilizes steel for its two vertical pipe runs from grade to the interior bowl area, a full column-diameter steel condensate ceiling, and seven internal structural stiffeners which also serve as ladder platforms up the column.

Tens of thousands of design, construction, and paint man-hours went into successfully delivering this impressive tank on its beautiful site. It is as massive as it is useful and has the following noteworthy points:

- nearly 85,000 sq. ft. of total painted steel surface
- over 316 cu. yds. of concrete support the tank structure
- over 394 tons of steel was used in the water tank and supporting structure
- over 350 ft. of 12 & 8 in. diameter steel pipes fill, drain, and properly overflow the tank
- two different painted color logos advertising Ashley Plantation and Stonechase Subdivisions adorn the peaceful exterior set in the tranquil environment