

**Structural Integrity is Our Business**

**PROJECT SIZE**

4 Story, 432 Bed Medical Facility  
Encompassing 165,200 Square Feet

**EST. CONSTRUCTION COSTS**

\$35 Million

**COMPLETION DATE**

2007

**CLIENT**

Coastal Caisson Corporation  
12290 US Highway 19 North  
Clearwater, Florida 33764

Skanska USA

14400 49<sup>th</sup> Street North  
Clearwater, Florida 33762

**OWNER**

Pinellas County  
14400 49<sup>th</sup> Street North  
St. Petersburg, Florida 33762

**PROJECT DESCRIPTION**

BillerReinhart Structural Group, Inc. designed the foundation system for the Pinellas County Jail Expansion Phase II project. This project was a value engineering effort on behalf of Pinellas County. The originally designed foundation system utilized auger cast piles. The new foundation system was designed utilizing the following: augered displacement piles, cast-in-place concrete pile caps, reinforced concrete grade beams, concrete elevator pit walls, and pile supported mat foundations. Based on a geotechnical investigation and pile installation reports regarding site conditions, calculations for the foundation system were performed for the pile layout and spacing, grade beam design, and elevator pit design based on the column load tables and drawings provided. BillerReinhart prepared construction documents (drawings and specifications) for the foundation system. BillerReinhart performed site visits and reviewed shop drawings and structural submittals during the project's construction phase.





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**Pinellas County Jail**  
*Clearwater, Florida*