



STRUCTURAL PROJECTS

1. RESIDENTIAL DESIGN

TX, LA, MS, AL, FL, GA, TN, SC, NC, VA, MD, MI, DC

- Please call for reference and contact information
- Our structural design team employs state of the art engineering computer software capable of performing three-dimensional and finite element analysis, when necessary, to aid in the design of concrete slabs, individual concrete, steel, aluminum, and wood beams, foundations, retaining walls, connections and all other elements of concrete steel, aluminum and wood frames. Licensed in 12 States and the District of Columbia we work closely with architects, designers, planners, surveyors, engineers, contractors and more to develop cost-efficient designs tailored to meet the project goals in a timely manner.



2. COMMERCIAL DESIGN

Stand-Alone Aluminum Stair Tower, Bartow FL

- Crom Corporation – Gainesville, Florida
- Please call for contact information
- Project Manager: Mr. Neill O'Connell, PE
- Performed design calculations and developed detailed construction and fabrication drawings for a sixty-nine foot (69') free standing aluminum stair tower. The design included the stair treads, stair stringers, landing beams, support columns, lateral bracing, handrail, foundation and all associated connections.



3. FORENSIC STRUCTURAL INSPECTIONS

Steel Pedestrian Bridge Analysis, WaterSound Beach, FL

- First Service Residential – WaterSound Beach, Florida
- Please call for contact information
- Project Manager: Mr. Neill O'Connell, PE
- Performed detailed condition survey and structural analysis of the existing steel truss pedestrian bridge. Work included reviewing construction drawings, verifying field dimensions, collecting metal thickness readings, developing a 3D structural model and performing a analyses of the bridge 1) as-designed and 2) as-existing and providing a detailed report of our findings complete with repair recommendations.

