

**JOHN IRVING / PE, SE, Senior Structural Designer**



**Education**

*BS in Civil Engineering*  
Univ. of San Carlos, Guatemala

*MS in Civil Engineering*  
*Structures Specialization*  
University of Tennessee

**Registration**

*Registered Professional*  
TN, VA, NC + AL

John Irving has diverse experience in structural design, analysis, and consulting throughout Tennessee and the Southeast region. He has led the design and analysis of single and multi-story structures including commercial, industrial, governmental, institutional, and residential buildings. He is competent in designing with various building materials such as structural steel, cold-formed steel, wood, masonry, concrete, aluminum, and heavy timber.

Mr. Irving possesses additional experience in the analysis, assessment, and investigation of existing structures, as well as experience with structural renovations, rehabilitation, and repairs. He is also a member of the Tennessee Structural Engineers Association (TNSEA) and currently serves as the East Region Secretary.

**RELEVANT EXPERIENCE**

**Teledyne Brown  
Engineering**

***Oak Ridge, Tennessee***

Conducted a review of the existing facility to determine the modifications needed for the proposed process equipment, mezzanine, mechanical equipment support structures and foundations, ancillary structures for process equipment and evaluations of existing roof framing for process piping supports.

**Teledyne Brown  
Engineering**

***Huntsville, Alabama***

Design of a building expansion and new facility, along with custom equipment foundation design and detailing.

**The Hollingsworth  
Companies**

***Prince George, Virginia***

Exterior concrete tilt-up panel and metal building foundation for a new 660,000 sqft single-story facility.

**Tuff Torq**

***Morristown, Tennessee***

New 16,000 sqft test shop building with equipment pits and thickened metal slab for soil risk mitigation.

**Scapa**

***Knoxville, Tennessee***

Designing cleanroom and equipment mezzanine foundations as well as elevated supports for electrical transformers and equipment.

**Kawasaki**

***Morristown, Tennessee***

Foundations for the new crane system inside an existing metal building and the design of cooling tower support frame and foundations.

**CONTACT**

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