

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

### **Education**

*Bachelor of Civil Engineering*  
University of San Carlos,  
Guatemala

*Master of Science in Civil Engineering*  
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 Director at Large.

## **RELEVANT EXPERIENCE**

### **Teledyne Brown Engineering, VAR**

*Oak Ridge, Tennessee*

Structural, mechanical and electrical project involved vacuum arc-remelting furnace (VAR) system in a new equipment room, structural concrete barrier wall surrounds and protective netting around VAR equipment, and exterior equipment pad and pipe racks for mechanical process piping and electrical conduit.

### **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.

### **Your Self Storage**

*Knoxville, Tennessee*

A new 101,000 SF three-story plus basement storage building.

### **Direct Mail Services**

*Knoxville, Tennessee*

A 16,000 square-foot, pre-engineered metal building addition

### **AMD Renovations**

*Knoxville, Tennessee*

New two-story-tall steel structure for specialty equipment and a new structural steel connector that will tie-in two existing buildings

### **TVEC Knoxville Surgery Center**

*Knoxville, Tennessee*

A new 18,000 SF, one-story steel structure medical office building