

SENIOR STRUCTURAL ENGINEERING

JOHN IRVING, P.E S.E. - STRUCTURAL ENGINEER

HODGE ENGINEERING



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 designing with various building materials such as structural steel, cold-formed steel, wood, masonry, concrete, aluminum, and heavy timber. Mr. Irving provides additional experience in the analysis, assessment, and investigation of existing structures, as well as experience with structural renovations, rehabilitations, 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
- Exterior equipment pad and pipe racks for mechanical process piping and electrical conduit

Scapa – Knoxville, Tennessee

- Clean room and equipment mezzanine foundations
- Elevated supports for electrical transformers and equipment

Kawasaki – Morristown, Tennessee

- Foundations for new crane system inside an existing metal building
- 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 Addition- 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 - Paducah, KY

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

Education:

Bachelor of Civil Engineering,
University of San Carlos,
Guatemala City
Guatemala
Master of Science Civil Engineering, University of Tennessee

Registration:

Tennessee, Virginia,
North Carolina and
Alabama