

STRUCTURAL ENGINEERING

JASON JOHNSON – STRUCTURAL DESIGNER

HODGE ENGINEERING COMPANY, INC.



Jason Johnson is a structural designer with 20 years experience in commercial, residential and industrial design/ development. Design and analysis of various structural elements, including the following:
Foundations: One-way slabs, continuous and spread footings, specialized equipment foundations, mass concrete, and grade beams.
Framing: Masonry, conventional red-iron, wood, metal stud, and precast planks.
Retaining walls: Reinforced concrete and reinforced masonry.

Relevant Experience

Scapa – Knoxville, Tennessee

- Foundation design for the Pre-Engineered Metal building included continuous and spread footings. Equipment mezzanines and specialty demising walls were throughout the facility.

The Hollingsworth Companies- South East, Tennessee

- Foundation design for multiple metal buildings ranging from 300,000 to 600,000 square feet. Specialty facilities include concrete pit designs, overhead cranes, and high-impact floor slabs.

JTEKT – Morristown, TN

- The existing metal building underwent modifications for oversized robotics equipment that included removal of existing building columns. New load paths were formed to new foundations, all while keeping the facility operational and clean.

Suncrest Estates – Knoxville, Tennessee

- Multi-story residential apartment complex of wood construction. Emphasis on fire-separation between tenants and building specific foundations were important factors on the campus

Cherokee Welcome Centers – Cherokee, North Carolina

- Heavy timber construction was the focus in order to maintain the character of the Great Smokey Mountains National Park

Cherokee Riverwalk at Riverbend- Cherokee, North Carolina

- Unique structural layout of boardwalk material to accommodate the Oconaluftee River bank. The project consisted of heavy timber rails and cantilevered steel supporting both stained concrete and rough-cut planks

H.T. Hackney - Paducah, KY

- The multiple structures on the H.T. Hackney campus were primarily steel post and beam construction. Extreme attention to seismic resistance systems was a challenge in order to meet the high seismic zone requirements of the area. The facility included Freezer/Cooler buildings intergraded with warehouses and office space.

Education:

Bachelor of Structural Engineering, University of Tennessee