

# Structural Engineering Services





Encorus Group provides structural engineering services for a wide range of clients such as government agencies, industrial facilities, commercial buildings, as well as property insurance companies. These services include site investigations, field measurements, field verifications, structural evaluations, and services during construction. Encorus is experienced in the design of steel framing, wood framing, reinforced concrete structures and foundations, and masonry walls. The professional engineering capabilities of Encorus make it easy to customize services for a wide range of specific project requirements. Structural engineering services often include coordination with in-house Geotechnical Services, Mechanical Integrity, and Civil Materials Testing to provide an accurate report of a structure's current condition. This collaborative effort allows the structural engineering group to make informed design decisions more efficiently.

## **PROFESIONAL SERVICES**

- Site Investigation and Field Measurements
- Existing Structure Evaluation and Repair
- Condition Surveys
- Feasibility Studies
- Forensic Engineering (Origin and Cause)
- Building Code Review
  State Specific Building Code Compliance
   OSHA State-Specific
  - Safety Compliance
- Seismic Evaluations and Design
  - Moment Frames
  - Braced FramesShear Walls
- Crane Design
  Monorail
  - Gantry
  - Modifications
- Tank Evaluations
- Equipment and Tank Anchorage Design
- Work Platform, Catwalk, Ladder, and Stair Design
- Foundation Design for Pre-Engineering Buildings
- Pipe or Conduit Hanger Support Design
- Reinforced Concrete Tunnel Design
- Tilt-Up Concrete Wall Panel Design
- Finite Element Analysis
- Shipping Container Evaluations
- Recycle or Reuse of Materials
- Construction Services
  - Submittal Review
  - Shop Drawing Review
  - Site Visits



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### **Professional Certifications**

- Structural Engineering Group carries Professional Engineering Licenses in NY, PA, NJ, and CO
- LEED AP BD+C
- 10-Hour OSHA Safety Training
- Scaffold Safety for the Competent Person
- ASME NQA-1 Compliant Quality
  Program

#### **About the Encorus Group**

Encorus Group, formerly RJR Engineering, is a professional engineering, testing and inspection services firm headquartered near Buffalo, NY. Founded in 1996, the firm now has a staff of over 50 full-time employees, including nine licensed Professional Engineers in all major disciplines. This allows Encorus Group to offer a comprehensive in-house solution for any project, no matter how big or small. In addition, our civil materials testing, non-destructive examination, and mechanical integrity asset management divisions offer a wide range of inspection services to meet the needs of our industrial, commercial, nuclear, manufacturing, healthcare, and higher education clients.

Additionally, Encorus Group is verified as a Service-Disabled Veteran-Owned Small Business (SDVOSB) at both the Federal and New York State levels.

Learn more, contact:



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#### **Among Our Clients**

















