![Mainstay Engineering Group, Inc. logo]

Ryan M. Firkser, P.E., S.E., CSP
Structural Project Manager

Mr. Firkser has over eight years of professional experience in structural engineering. His responsibilities include structural calculations and modeling, existing condition assessments, production AutoCAD, project management, multidisciplinary coordination, and construction administration for various commercial, educational, energy, healthcare, manufacturing, petrochemical, and residential projects. Mr. Firkser has design experience with all major building materials, including aluminum, cold-formed metal, masonry, reinforced concrete, stainless steel, structural steel, and timber. Mr. Firkser also has extensive experience in the evaluation, layout, and design of OSHA/ANSI compliant fall protection and window washing systems, and thermal analysis and design of free standing stacks, high temperature ductwork, and power piping. His experience extends beyond the office as well, having spent time in the field supervising complex projects, performing third party structural inspections, and completing structural evaluations for home warranty claims.

PROFESSIONAL EXPERIENCE

Arcadia University	Amtrak
Dickinson College	CSX
Drexel University	Progress Rail Services
Lebanon School District	Septa
Princeton University	Lockheed Martin
Reading Terminal Market	AstraZeneca
Rite Aid	Aurolife
Susquehanna International Group	Bayer
	Integra
Wawa Markets	Janssen
WPVI-TV Philadelphia	Johnson & Johnson
Alfred I. DuPont Hospital for Children	Johnson Matthey
	MedImmune
Christiana Care Health System	Merck & Co.
	Milton S. Hershey Medical Center
Reading Hospital	
St. Mary Medical Center	Dow Jones

EDUCATION
B.S. Civil Engineering, Lehigh University

PROFESSIONAL ASSOCIATIONS
American Institute of Steel Construction (AISC)

Delaware Valley Association of Structural Engineers (DVASE)

PROFESSIONAL REGISTRATIONS
P.E.: PA
S.E.: IL
CSP

CERTIFICATIONS
American Concrete Institute (ACI) – Concrete Field Technician Grade 1

International Code Council (ICC) – Reinforced Concrete Special Inspector - Associate