

Company

Computerized Structural Design, S.C. (CSD) is a nationally known and respected structural engineering firm headquartered in Milwaukee, Wisconsin. Since 1968, CSD has continued to provide professional structural engineering and building design services to our clients.

CSD offers a unique combination of experience and expertise, a combination that yields practical and innovative structural solutions. This means designing a project that achieves your goals and provides a cost effective solution to your problems. Whether you require a design for a steel connection or precast building, a high rise or a foundation, a vibration analysis or a crane building, CSD can assist you in making the right choices, from the start of your project to completion.

Computerized Structural Design, S.C.



Forensic Engineering



Industry Leadership

CSD sets the standard for engineering and design, developed from years of experience, education, innovation, and dedication to our profession. Our goal is to produce a quality product that satisfies our clients' needs.



Milwaukee:
8889 N. Port Washington Rd.
Milwaukee, WI 53217-1633
Phone: 414-351-5588

Denver:
5600 S. Quebec St. Suite 150d
Greenwood Village, CO 80111
Phone: 303-662-0665

E-mail: info@csd-eng.com

www.csd-eng.com



Offering Expertise in Structural Engineering Since 1968



Overview

For over 40 years CSD has provided investigative services for all aspects of structural issues on both building and non-building structures. Damage assessments can be made in the field or off-site by one of our experienced engineers. CSD can conduct a forensic analysis to determine the cause of the issue and can provide solutions to repair or restore the structure to its intended use. CSD can also provide field engineering support during construction for design and construction related issues.

With our vast amount of experience in structural and forensic engineering, CSD can provide insurance claim and litigation support and has provided expert testimony in many legal cases. This experience also allows us to provide timely and practical solutions for your structural issue. This well rounded package of investigative services ensures that CSD is a resourceful member of the project team during all aspects of the design and construction and building life cycle.

Forensic Engineering Services

Damage Assessment

- Conduct structural surveys
- Identify type of damage

Forensic Analysis

- Analyze structure
- Analyze building type
- Analyze materials of construction
- Determine condition of structure
- Identify testing procedures
- Determine probable causes
- Identify failure mode or defect

Repair or Restoration

- Provide comprehensive report
- Prepare repair design
- Assist in construction dispute mediation

Construction Phase

- Provide field engineering support
- Assist in meeting schedule and budget
- Make structural observations
- Provide peer review
- Assist with value engineering

Litigation Support

- Assist counsel in reviewing complaints, affidavits, or interrogatories
- Serve as consultant
- Assist in dispute mediation
- Assist in areas of inquiry during discovery
- Provide expert witness testimony

Reports

- Concise reports
- Detailed findings
- Recommendations

Project Types

Structure Types

- Heavy Industrial
- Commercial
- Residential
- Healthcare\Medical
- Bin Structures
- Parking Structure
- Hollow Sidewalks

Building Features

- Steel and Wood Framing
- Foundations
- Crane Runways
- Steel Joists
- Facades
- Precast Concrete and Masonry
- Curtain Walls/Skylights
- Roofs

Registration

CSD is professionally licensed in all 50 states and the District of Columbia.

Expertise

Education

CSD employees routinely possess a Masters or PhD degree in structural engineering. This advanced level of education coupled with our emphasis on practical applications helps us to better serve you on your forensic engineering project.

Professional Involvement

- American Institute of Steel Construction (AISC)
- Association for Iron and Steel Technology (AIST)
- American Iron and Steel Institute (AISI)
- Rocky Mountain Property Claims Association (RMPCA)

