

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.



Construction 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.



**Computerized
Structural
Design, S.C.**

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Offering Expertise in Structural
Engineering Since 1968

Erection Bracing

The construction process is a complex sequence of events that takes a substantial amount of time and effort to complete. Throughout this process there are temporary conditions that require bracing to ensure stability and safety of the structure. CSD has the necessary experience to analyze temporary conditions and design temporary bracing. This experience is demonstrated in the AISC Design Guide on Erection Bracing which was authored by CSD. When providing these unique

services, CSD collaborates with the steel erector to provide an efficient and economical system that allows for quick assembly and removal of the temporary work.

Services Provided:

- Erection Procedures
- Site Layout Analysis
- Bracing Arrangement
- Reviews of the Partially Erected Structure
- Temporary Bracing
- Hurricane Bracing
- Special Conditions

Other Construction Services

Construction engineering includes several other areas in addition to temporary bracing, lifting, and rigging. CSD has a wide background in many types of construction. Some of these additional services include: temporary equipment foundations, crane and other operating equipment loads on buried structures, crane mats and paths, shoring and bracing, tie-offs, and lifeline design. CSD also provides planning for deconstruction and demolition operations.



Registration

CSD is professionally licensed in all 50 states as well as the District of Columbia. CSD can provide you with professional services on projects in your state as well as across the country. We strive to make CSD your one stop structural engineering source.

Expertise

Professional Involvement

- AISC Code of Standard Practice
- AISC Design Guide 10—Erection Bracing
- ASCE Standards Committee 37
- ACI, AISC, PCI, SJI, AISI Committee Members

Education

CSD employees routinely possess a Masters or PhD degree in structural engineering. This advanced education coupled with our emphasis on practical applications help us to best serve you on your next project.

Lifting & Rigging

Specialized lifts are a critical part of construction on large projects. These lifts typically involve valuable equipment, heavy loads, oversized items, and tight clearances. Proper lift planning is essential to the success of each lift. CSD can provide critical and engineered lift documentation that includes site planning, ground preparation, review of crane capacity and set-up, and lifted load analysis. CSD works with on-site field personnel to effectively utilize equipment and resources on every lift performed.

Rigging is an essential portion of each lift. CSD brings the knowledge and experience to provide the design and analysis of lifting devices (i.e. lift beams, specialty frames, etc.), rigging selection for complex lifts, and design and review of lifting lugs. Each rigging assembly has unique aspects for which CSD can provide the required specialized solution. This level of service allows CSD to provide all of your engineering requirements for your future lifts.

