

## 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.



## Precast Specialty



## 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:  
8989 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](mailto:info@csd-eng.com)

[www.csd-eng.com](http://www.csd-eng.com)



Courtesy of Spanarctic Industries

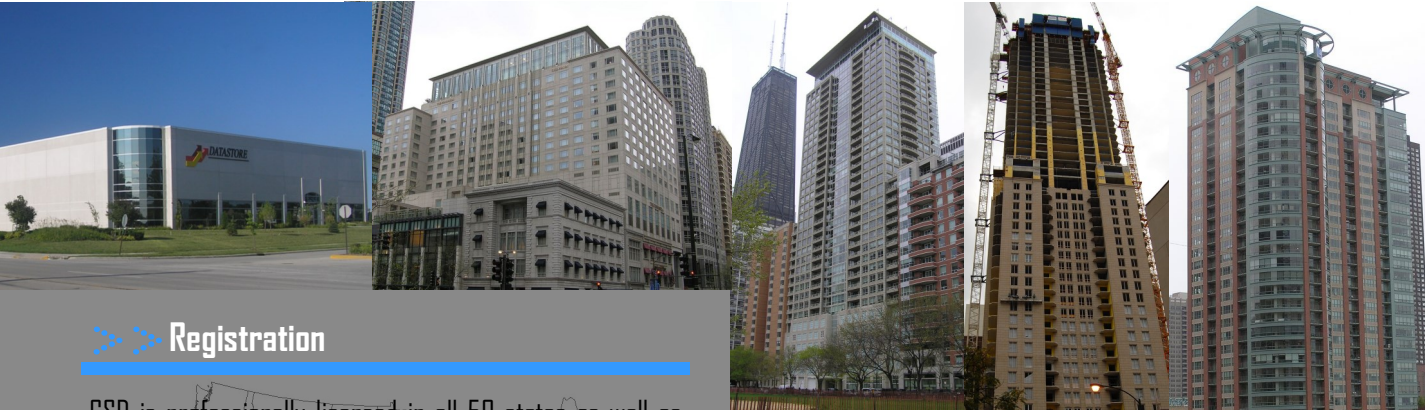


Offering Expertise in Structural Engineering Since 1968

## Architectural Precast

CSD provides design and review services of architectural precast products to ensure the perfect fit for your next project. Architectural precast products include spandrel beams, column covers, sills, and cladding. CSD incorporates all elements of design including consideration of thermal movements, bowing, and erection. We offer the expertise to design adjustable

connections to support architectural precast components onto the building structure. CSD takes a 360 degree approach toward precast design to ensure the highest level of quality from concept to completion. We work with our clients to provide the best solution on every project. This level of commitment sets CSD apart as an industry leader in precast design.



### Registration

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

### Expertise

#### Professional Involvement

- Precast/Pre-stressed Concrete Institute (PCI)
- American Concrete Institute (ACI)
- Spancrete Manufacturers' Association (SMA)

#### 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 precast project.

## Structural Precast

CSD provides design and review services for structural components and total precast solutions. Our designs include gravity loads, lateral load analysis (including seismic), thermal loads, stability analysis, member and connection design. Structural precast products include hollow core planks, solid slabs, beams, columns, double tees, spandrels, hollow core and wet-cast wall panels.

## Precast Services

- **Engineering Services**
  - Connection Design
  - Member Design
  - Total Precast Solutions
  - Sealed Calculations
- **Drafting Services**
  - Erection Drawings
  - Production Drawings
  - Sealed Drawings
- **Peer Reviews**
  - Quality Control/Quality Assurance
  - Sealed Drawings and Sealed Calculations
- **Specialty Engineering**
  - Blast Design
  - Handling and Rigging
- **Architectural Precast Design & Review**
- **Investigations & Inspections**
- **Erection Bracing**

CSD understands the design is only a portion of any construction project. We consider constructability and field tolerances as part of every design and review. We work with our clients to provide the most efficient and economical project by evaluating the cost impacts for production, transportation, scheduling, and erection.

