

Steel Joist & Girder Design Excellence

Consac delivers premium engineering solutions across North America, specializing in SJI-compliant steel joist and girder design and detailing services for commercial and industrial projects.

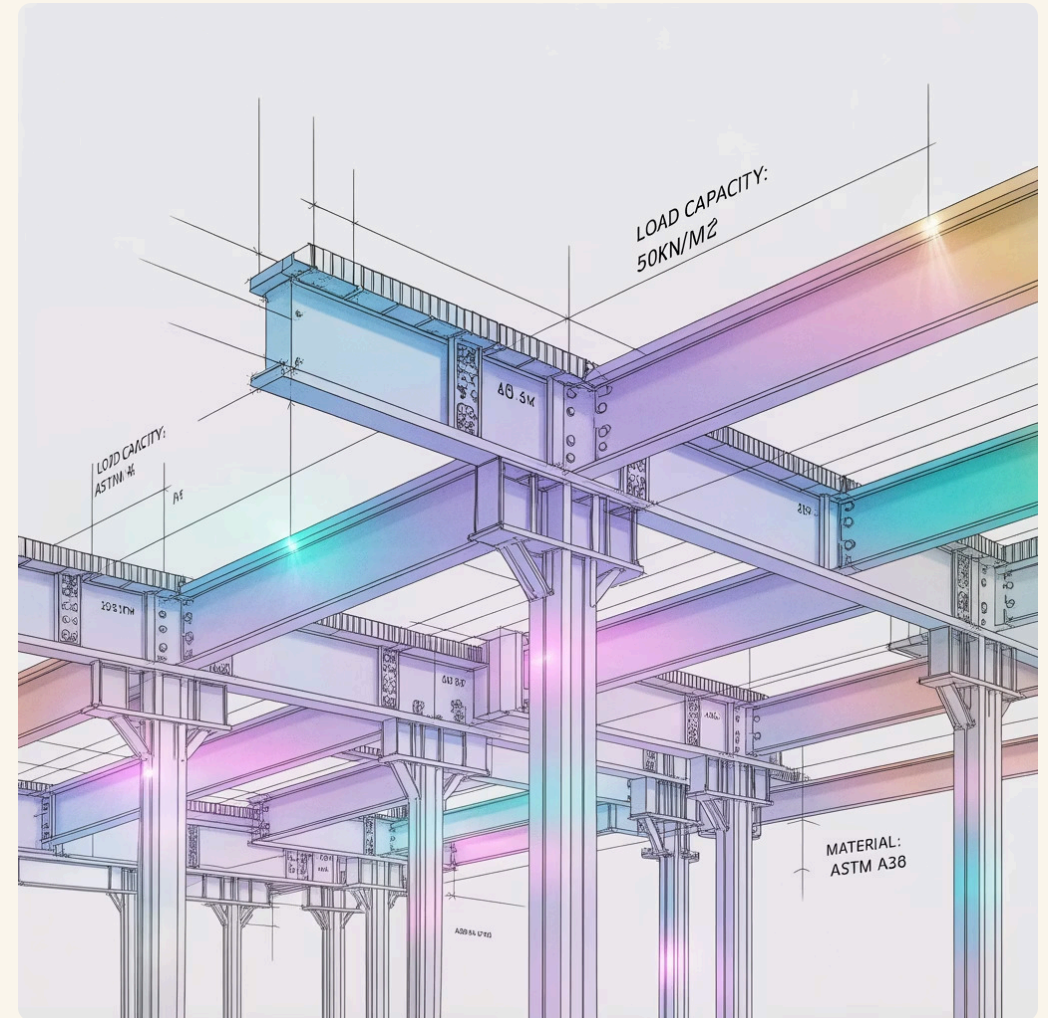


Complete Joist & Girder Solutions

Comprehensive Design Services

Our engineering team provides end-to-end solutions for all your structural steel needs:

- Precise joist, girder, and deck estimation
- Full-service design for standard and specialty applications
- SJI-compliant documentation and specifications
- Technical support throughout your project lifecycle



Specialized Joist Design Expertise



Standard Joists

K, LH, and DLH-series designs for conventional applications, precisely engineered to meet load requirements while optimizing material usage.



Special Configurations

Custom solutions including single/double pitched, scissor, and bowstring joists for unique architectural requirements and specialized structures.



Girder Systems

Heavy-duty girder designs that provide superior load distribution and structural integrity for demanding commercial and industrial applications.

Woodnailer Specialist Services



Expert Woodnailer Integration

Our team brings specialized expertise in woodnailer project detailing, offering:

- Precise integration with joist and girder systems
- Custom solutions for roof attachment requirements
- Detailed specifications ensuring code compliance
- Optimization for material efficiency and installation ease

We understand the unique challenges of woodnailer applications and deliver solutions that ensure structural integrity while facilitating efficient construction.

Our Design Process

Requirements Analysis

We begin by thoroughly analyzing your project specifications, load requirements, and architectural constraints to develop a comprehensive understanding of your needs.

Engineering Design

Our engineers create detailed designs following SJI standards, optimizing for structural integrity, material efficiency, and construction practicality.

Documentation & Detailing

We provide comprehensive documentation including shop drawings, material specifications, and installation guidelines to ensure seamless execution.

Quality Assurance

Rigorous quality checks and reviews ensure all designs meet or exceed industry standards and client requirements before final delivery.



Why Choose Consac?



Engineering Excellence

Our team brings decades of specialized experience in steel joist and girder design, ensuring optimal solutions for even the most complex projects.



North American Coverage

With offices in the US, Canada, and Norway, we provide seamless service across all North American markets with local expertise.



Responsive Service

Our dedicated team ensures quick turnaround times and responsive communication throughout your project lifecycle.



SJI Compliance

All designs strictly adhere to Steel Joist Institute standards and specifications, ensuring safety, quality, and code compliance.

Global Presence, Local Expertise

1 Headquarters

Parkalleen 10, 2000 Lillestrøm,
Norway

Strategic direction and global
operations management

2 North American Office

480 E 132nd Way, Thornton, CO
80241, USA

Client services and project
management for US and
Canadian markets

3 Production Office

1207 Godrej Waterside, Tower II,
12th Floor, Block DP Sector V Salt
Lake, Electronic Complex,
Kolkata, West Bengal 700091,
India

Engineering design and technical
documentation center

Partner With Consac Today

Ready to elevate your structural steel projects?

Contact our team today to discuss your steel joist and girder design needs. Discover how our expertise can deliver value through optimized designs, efficient solutions, and professional service.

[Explore Our Services](#)

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