



STEELNEST
ENGINEERING SERVICES

ENGINEERED FOR CERTAINTY.

Structural steel design and detailing for confident fabrication, coordination, and erection.

SKILL • STRENGTH • TRUST

STRUCTURAL STEEL DESIGN & DETAILING



ABOUT STEELNEST

Detailing that moves steel from model to reality.

SteelNest provides structural and miscellaneous steel detailing, connection design, and coordinated digital deliverables for fabricators, erectors, engineers, and construction teams.

■ Precision first

Clear, fabrication-ready information developed with disciplined checking.

■ Built for coordination

Practical detailing that considers fabrication, access, sequencing, and erection.

■ Reliable delivery

Responsive collaboration and schedule-focused execution without compromising quality.

Engineering discipline at every handoff.

A detail is valuable only when the next team can act on it with confidence.

01 **Wide service range**

Structural steel, stairs, railings, ladders, miscellaneous metals, and connection design.

02 **Experienced team**

Detailers, checkers, and project managers with practical industry experience.

03 **Standards aligned**

Workflows informed by applicable AISC, CISC, AWS, OSHA, and SSPC requirements.

04 **Advanced software**

3D modeling and detailing using SDS2, Tekla, and AutoCAD-based workflows.

05 **Strong collaboration**

Close coordination with fabricators, engineers, architects, and erection teams.

06 **Cost-aware outcomes**

Reduced rework and material waste through clear, coordinated deliverables.

Steel detailing built around constructability.

One coordinated source for structural steel design support, detailing, and production-ready outputs.

- Structural steel detailing
- Connection design
- Miscellaneous steel detailing
- 3D modeling & coordination
- Fabrication and erection drawings
- Material reports & CNC files

Detailing decisions grounded in how steel is built.



STRUCTURAL STEEL DETAILING

Clear shop and erection information for projects ranging from individual assemblies to complete buildings and industrial structures. Detailing considers erection sequence, bolt and weld access, wrench clearances, and fabricator standards.

CONNECTION DESIGN

Coordinated connection design support focused on strength, stability, code compliance, fabrication practicality, and straightforward erection. The goal is a robust solution that is efficient to produce and maintain.

Complex secondary steel, resolved with the same rigor.

Our team develops coordinated details for architectural and industrial miscellaneous metals—matching customer standards while keeping fabrication and installation practical.

- Stairs & landings
- Handrails & guardrails
- Ladders & safety cages
- Gates & access steel
- Equipment platforms
- Custom support steel



Information that supports the full steel workflow.

From coordinated model to field-ready drawing package.

01

3D STRUCTURAL MODEL

Coordinated 3D models support interdisciplinary review and help fabricators and erectors identify issues before they reach the shop or field.

02

FABRICATION DRAWINGS

Detailed part and assembly information, including dimensions, material specifications, bolt data, welds, finishes, and piece identification.

03

ERECTION DRAWINGS

Clear tagged assemblies, elevations, sections, grids, and callouts that guide the installation sequence and field coordination.

Model intelligence translated into production data.

■ Material take-offs

Model-derived quantities support purchasing, tracking, and fabrication planning.

■ CNC files

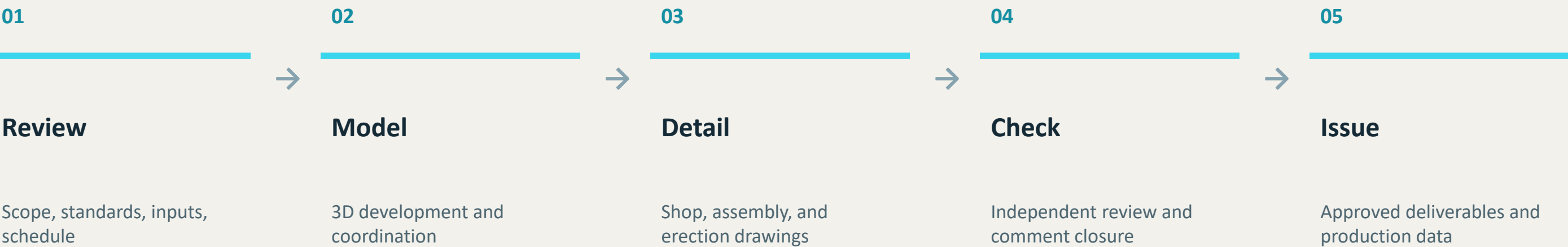
DXF and DSTV/NC outputs support automated marking, drilling, and cutting workflows.

■ Custom reports

Tailored reports for parts, assemblies, bolts, shipping, sequencing, and other project needs.

A disciplined path from input to issue.

Clear responsibilities and checks keep each handoff moving.



Quality is not a final step—it is built into every stage.

OUR VISION

To be a trusted engineering partner, recognized for dependable collaboration and exemplary service.

OUR MISSION

To advance structural steel design and detailing through accuracy, practical creativity, technical knowledge, and disciplined delivery.

Every project is an opportunity to make fabrication clearer and erection more predictable.



STEELNEST
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**Let's build the next structure with
confidence.**

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