



Custom Iron Emphasizes American-Made Craftsmanship and Collaborative Process in Custom Metal Fabrication

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Custom Iron reinforces its position as a leading U.S. manufacturer of architectural metalwork by highlighting its end-to-end collaborative fabrication process and commitment to American craftsmanship. Operating from an 80,000-square-foot facility in Zumbrota, Minnesota, the company has delivered precision-engineered stairs, railings, and custom metal solutions since 1975, serving builders, architects, stair industry professionals, and homeowners nationwide.

Every project at Custom Iron begins with a personalized consultation where the team gathers detailed project requirements, site measurements, style preferences, and code considerations. This client-focused approach ensures designs align precisely with each unique vision, whether for residential interiors, commercial spaces, or exterior applications. Following approval, experienced designers produce detailed CAD drawings and shop plans that guide every cut, weld, and assembly step.

Fabrication takes place entirely in-house at the Minnesota facility. Skilled craftspeople hand-cut, weld, and assemble components using high-quality steel or aluminum, with rigorous quality checks applied throughout

production. Powder coating follows in a wide array of durable finishes, including classic black, matte tones, custom colors, brushed effects, or specialty patinas, providing long-lasting protection suitable for both interior and demanding exterior environments exposed to weather, moisture, and temperature changes.

A defining feature of Custom Iron's process is modular "knock-down" construction. Completed stairs and railings are disassembled into manageable sections for efficient shipping and simplified on-site handling. Comprehensive two-page installation instructions enable most assemblies to be completed by two people in just a few hours, with no on-site welding, cutting, or drilling required. This system reduces labor time, minimizes errors, and supports faster project timelines for contractors and DIY-capable homeowners alike.

The company's capabilities extend across a broad range of architectural metalwork. In addition to its well-known spiral staircase models and straight stair systems, Custom Iron produces deck railings, handrails, cable railings, newels, balusters, laser-cut panels, and fully bespoke structural or decorative elements. Projects range from minimalist modern designs to ornate traditional styles, all engineered for code compliance, safety, and visual integration with surrounding architecture.

Long-standing client relationships underscore the reliability of this process. Many builders and stair companies have partnered with Custom Iron for over two decades, citing consistent quality, competitive pricing, and responsive support as key factors in their continued collaboration.

"Our collaborative process, from initial consultation through final delivery, ensures every detail reflects the client's vision while meeting the highest standards of American manufacturing," said Robert Driscoll, owner of Custom Iron. "We don't just fabricate metalwork; we partner with clients to turn concepts into durable, beautiful installations that perform for decades."

This emphasis on partnership and precision distinguishes Custom Iron from kit-based or offshore alternatives. Full domestic production supports faster communication, tighter quality control, and the ability to accommodate last-minute adjustments when needed. The result is products engineered for longevity, with corrosion-resistant finishes and sturdy construction that maintain appearance and structural integrity over time.

"Working with Custom Iron feels like having an extension of your own team," added Driscoll. "Their attention to detail, from design through installation support, consistently delivers results that exceed expectations for both straightforward and complex projects."

Custom Iron's facility in Zumbrota, Minnesota, houses all design, fabrication, finishing, and shipping operations under one roof. Under the leadership of President & CEO Robert Driscoll, the company continues to invest in skilled American metalworkers and modern equipment while preserving the hands-on

craftsmanship that has defined its reputation for more than 50 years.

Clients across multiple states have praised the ease of installation, fit accuracy, and enduring quality of Custom Iron products. Whether enhancing a private residence with a custom spiral stair and matching railings or outfitting a commercial building with durable exterior deck systems, the company's process supports efficient, high-quality outcomes tailored to each project's specific demands.

As demand grows for thoughtfully designed, domestically produced architectural metalwork, Custom Iron remains focused on delivering solutions that combine functionality, aesthetics, and long-term value. The company invites builders, architects, and homeowners to explore its full range of capabilities and experience a fabrication partner that truly revolves around client success.

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Custom Iron

Custom Iron doesn't believe you should settle for a one-size-fits-all spiral stair! That's why we don't sell kits. Instead, we build beautiful spiral stairs one at a time for a reasonable price.

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