



RED IRON PRODUCT

BROCHURE



IBC
CERTIFIED



50 YEAR
WARRANTY



100% AMERICAN
STEEL

us.metalprobuildings.com

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RED IRON STEEL BUILDING



Red Iron is Heavy Structural Steel: Hot-rolled Wide-flange I-beams fabricated from American mill steel. Engineered for serious scale: clear spans from 30 to 350 feet, eave heights up to 40 feet, and load requirements that demand a primary rigid frame rather than roll-formed members. Custom-fabricated. Site-specific. Engineered to your exact requirements. The right system when your project needs serious square footage, open ceiling height, overhead crane capacity, or spans that CFS simply cannot reach.

- Custom-fabricated primary rigid frame, American mill steel
- Secondary framing: purlins, girts, eave struts
- PBR roof panels: 26-gauge standard (22, 24, 29 gauge optional), 36" coverage width, 1%" rib height, 12" rib spacing, 0.5:12 minimum slope, exposed fastening system
- PBR roof coating: Galvalume® Plus or Signature® 300 (PVDF), smooth finish standard, embossed optional
- PBR performance: UL 580 Class 90 uplift, UL 790 Class A fire, FM 4471 listed, UL 2218 Class 4 impact, no water penetration at 20.00 psf (ASTM E1 646)
- PBR sidewall panels 26-gauge, 36" coverage, same exposed fastening system, roof and wall rated
- Stamped site-specific engineering drawings (IBC 2024 • ASCE 7-22)
- Anchor bolts
- Full trim package
- 50-year manufacturer-backed warranty
- Free delivery anywhere in the United States

CFS is roll-formed at room temperature right for spans up to 60 feet, lighter foundation, faster erect time, lower overall project cost.

Red Iron is hot-rolled heavy steel right for 30–350 foot spans, overhead crane systems, large agricultural and industrial loads, and any project where structural depth and scale are the requirements.

WHAT CAN YOU BUILD WITH RED IRON

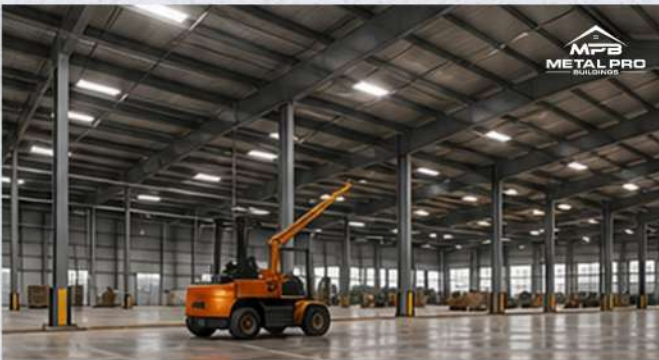


Red Iron is the system of choice when the project demands wide open spans, serious ceiling height, or structural capacity that lighter systems cannot match. If your project is over 60 feet wide or carries cranes, heavy loads, or large gatherings this is almost always the right answer.



COMMERCIAL

Warehouses, Distribution Centers, Office Buildings, Retail Showrooms, Auto Dealerships, Aircraft Hangars, Self-Storage Complexes, Car Washes.



INDUSTRIAL

Manufacturing Plants, Heavy Equipment Storage, Cold Storage Facilities, Shipping Container Covers, Light & Heavy Industrial Operations.



AGRICULTURAL

Large Farm Storage, Livestock Barns, Riding Arenas, Hay & Feed Storage, Equipment Sheds, Multi-Bay Agricultural Complexes



INSTITUTIONAL & SPECIALTY

Community Centers, Houses of Worship, Sports Facilities, Event Halls

BUILDING SOLUTIONS



PRE-ENGINEERED STEEL BUILDINGS COMMERCIAL · AGRICULTURAL · INDUSTRIAL

A Pre-Engineered building is a building structure consisting of pre-fabricated factory components that are combined and engineered so that each element works together as a complete structural system. Metal Pro's Red Iron buildings deliver a clear span up to 350 feet wide and are designed to be straight forward to erect.

All structural pieces ship pre-drilled and pre-cut, ready for assembly. No on-site welding required. Metal Pro buildings ship with user-friendly erection manuals, and our knowledgeable team is available to answer any questions during assembly. Depending on complexity, most projects ship within a few weeks of drawing approval.

STRUCTURAL COMPONENTS

The same building components that make up a complete building package are also available individually: Structural components such as steel frames and galvanized secondary members; exterior wall, roof, and interior cladding; standard and custom trim. They are the perfect solution for repairs, renovations, and add-on projects.

CONVENTIONAL STEEL

Integration and supply of conventional post-and-beam structures are available as needed, depending on project requirements.

BUILDING POSSIBILITIES



MEZZANINE FLOORS, RAMPS, PLATFORMS & RAILINGS

Multi-level interior space fully engineered into the Red Iron frame from day one.



PARAPET

Raised parapet walls give your building a clean, commercial appearance concealing the roofline from street level.



STANDING SEAM ROOF

Premium concealed-fastener roof system. Superior weather performance and a refined architectural finish.



CUSTOM CANOPIES

Engineered canopy extensions for covered entries, drive throughs, loading areas, and fuel stations.



INTERIOR OFFICES & PARTITIONS

Full office buildouts, interior partition walls, stair and railing systems all engineered to work within the clear-span frame.



STONE CLAD EXTERIOR

Red Iron frames accept virtually any exterior cladding: metal panels, stucco, glass, brick, or stone.



EASY ACCESS DOORS

Bi-fold, sliding, and roll-up door systems in virtually any opening size, pre-framed into the Red Iron structure.



MONO-SLOPE ROOF

Full office buildouts, interior partition walls, stair and railing systems all engineered to work within the clear-span frame.

WHAT MAKES WORKING WITH METAL PRO BETTER?



DIRECT SUPPLIER

Metal Pro's turnkey solutions bridge the gap between design, engineering, and fabrication while providing cost-effective solutions for virtually any need. Our advanced manufacturing capabilities and unparalleled expertise focus on quality, value, and structure longevity. No middle men, no markups

Direct from our factory to your site.

IN-HOUSE ENGINEERING

Every Red Iron building is engineered to IBC 2024 and ASCE 7-22, with county-level wind, snow, and seismic calculations performed as standard. Our dedicated team of steel building specialists uses the latest 2D and 3D design, detail, and modeling software allowing us to handle a wide variety of project complexities, from straightforward warehouse bays to multi-span structures with mezzanines and crane systems.

FLEXIBLE SOLUTIONS

From simple to complex projects, Metal Pro continues to innovate and lead the industry in custom solutions for all project challenges and code requirements. Red Iron buildings can be engineered for overhead cranes, interior office buildouts, mezzanine levels, and virtually any site specific requirement with no standard sizing constraints.

UNRIVALED CUSTOMER SUPPORT

You have full access to our licensed engineers before, during, and after the purchase of your building system. Order accuracy is our number one priority. Every order is inspected by a certified building specialist before it leaves our factory. Our team answers the phone when you call.



WHY CHOOSE A RED IRON BUILDING SYSTEM?



DURABILITY

Hot-rolled American mill steel engineered for worst-case conditions, not averages. Built to perform for decades under your local climate and load demands



VERSATILITY

Clear spans from 30 to 350 feet. Engineered for cranes, mezzanines, large doors, and virtually any interior configuration your operation requires.



LOW MAINTENANCE

Red iron steel resists corrosion, pests, and fire. Once it is up, ongoing upkeep is minimal compared to wood, concrete, or conventional construction alternatives.



EFFICIENCY

Precision-fabricated components arrive ready to erect, reducing time on site and keeping your project on schedule and on budget.

QUALITY PRODUCTS



We manufacture a diverse range of Red Iron building kits, roof and wall products, and a complete line of structural accessories. From design to fabrication, our highly dedicated team has the experience and knowledge to engineer virtually any size custom solution, from a 30-foot commercial bay to a 350-foot clear-span industrial complex.

Our wide variety of colors, panel profiles, and gauges allows you to easily achieve any desired architectural expression. Our selection of accessories gives you the ability to further customize your solution, whether improving thermal efficiency, adding natural daylight, or altering the exterior aesthetics. Our products and services can easily expand or retrofit existing structures.

To ensure the quality of every building is unparalleled, all Metal Pro structures are manufactured in accordance with AISC standards and are engineered to IBC 2024 and ASCE 7-22, with stamped country-specific structural drawings included as standard on every order.

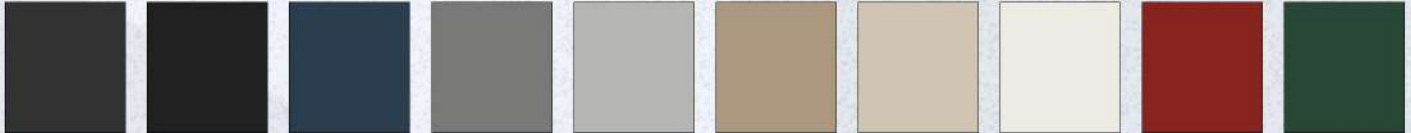


ACCESSORIES



COLORS

15+ powder-coated options. Mix walls, roof, trim, corners, eaves, gables, and jambs to match your property or brand.



CHARCOAL

BLACK

SLATE BLUE

BURNISHED
SLATE

PEWTER
GRAY

CLAY

BEIGE

IVORY

RED

GREEN

GUTTERS & DOWNSPOUTS



Color-matched to your building. Channels water away from your foundation and walls year-round.

INSULATION



Multiple R-value options. Regulates interior temperature, reduces energy costs, and prevents condensation buildup on interior steel surfaces.

INSULATED METAL PANELS



Multiple R-value options. Keeps your building comfortable and your energy costs down.

LINER PANELS



Clean finished interior wall surface. Improves the look of your building and adds an extra layer of protection to the framing.

PREFAB FOUNDATION SYSTEMS



Pre-engineered to match your building's exact footprint. Faster to install than poured concrete and ready to build on sooner. Stamped drawings included.

ROOF JACKS



Weatherproof penetration points for ventilation, HVAC, and other roof mounted systems sealed and structurally integrated.

SERVICE DOOR FRAMES



Pre-engineered openings reinforced to accommodate standard service doors without compromising the wall system.

SOFFIT PANELS



Finished underside cladding for overhangs and eaves protects the structure and gives the exterior a clean, complete appearance.

WINDOW FRAMES



Pre-framed openings built into your wall panels exactly where you specify.

THERMAL BREAK



Engineered directly into the structure, not cut in after the fact.

TRANSLUCENT LIGHT-TRANSMITTING PANELS (LTTPS)



Pre-framed openings built into your wall panels exactly where you specify.



Connect With Us

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