



Cantilever Rack Systems

Heavy Duty Storage System



www.redsteelmh.com

Red Steel Cantilever Racks

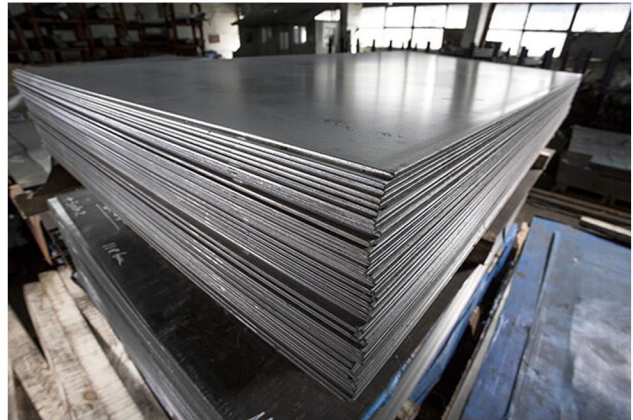


Designed to work in harsh environments!

Highly Engineered steel storage rack with long arms extending from a metal framework designed to store long or bulky items such as steel stock, carpet, piping and lumber.

Works for all type of long or irregular loads. Versatile, strong and extremely durable our cantilever racks use a special arm system that allows for easy front loading without any obstruction. Structural steel components provide superior strength and durability. Powder Coated painted or optional Galvanized finish makes our cantilevers the perfect candidate for indoor and outdoor use.

Ideal Solution for Storing Long, Bulky, Oversized Loads!



Best Applications

Red Steel cantilevers are a highly engineered and cost-efficient solution. Ideal for storing:

- Plywood
- Lumber
- Furniture
- Appliances
- Pipe
- Structural members
- Sheet steel
- Tubing
- Doors
- Boxes
- Pallets
- Conduit
- Extrusions
- Rolls
- Building materials

AND MUCH MORE!

Benefits of Cantilever Racking

QUICK ACCESS

Unobstructed design allows for easy access to stored items.

VERSATILITY

Cantilever racks can store virtually any kind of load. This versatility saves time and money.

FLEXIBILITY








With no separating columns, loads can be placed the entire length of a cantilever racking shelf.

COMPACT

There's no lost room because of the rack structure, horizontally or vertically. This provides a larger handling clearance and one hundred percent utilization of the space.

UNLIMITED HORIZONTAL SPACE

Cantilever Rack Center column design creates unlimited horizontal space.

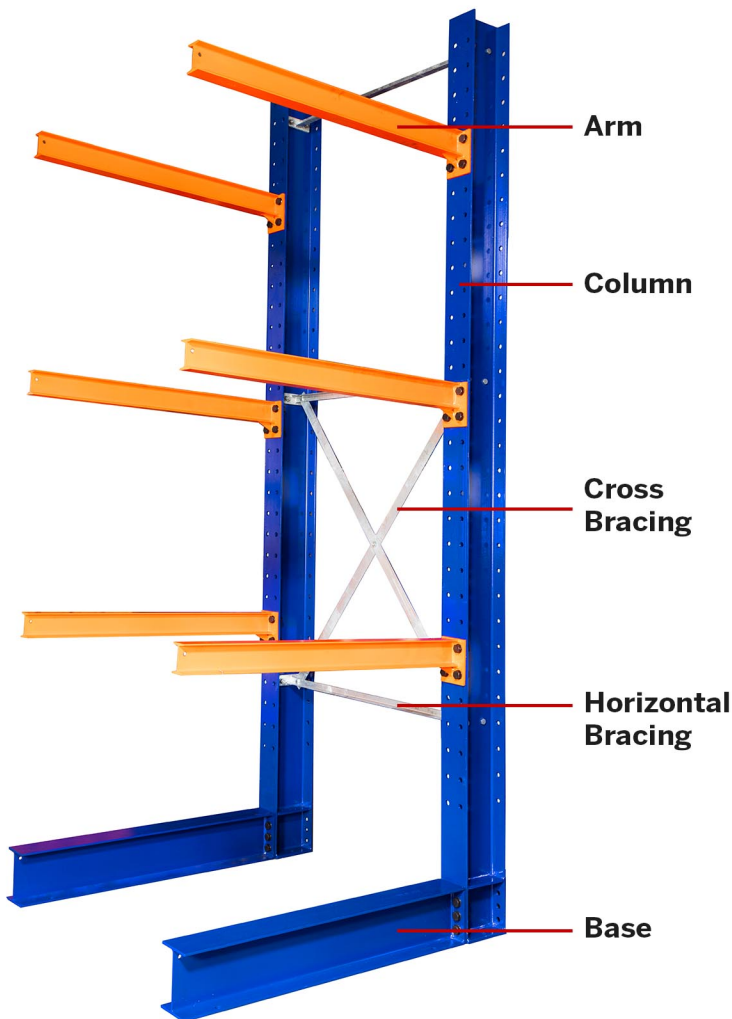
-  Safe, Strong & Durable.
-  Ideal for storing heavy or hard-to-shelve items.
-  No vertical obstruction.
Easy loading and unloading.
-  Optimizes warehouse space.
-  Single or double side configuration.
-  Easy installation. Adjustable arms every 4".
-  Constructed with structural steel I-Beams.



Structural Cantilever Components

High Engineering System

Structural cantilever racks consist of a series of structural steel I shaped arms bolted to large structural I shaped steel columns. Anchored by substantial I shaped bases and stabilizing cross braces along its back edge, this system is both strong and highly adjustable.



Columns

Structural Cantilever columns are manufactured using steel columns: W - Wide flange steel beam (I-shaped cross-section): W8 x 13, W8 x 15, W8 x 18, W10 x 19.

All columns are punched to allow arms to be bolted in 4" intervals.

Bases

Bolted to the structural column with 6 high grade bolts they are anchored to the floor to give the Rack system stability. Usually designed with the same Structural I-beam of the column that is attached to.

Arms

Constructed of heavy duty structural steel & bolted with high grade bolts to the structural columns. Variety of sizes and capacities.

Available sizes and profiles

Sizes: 24", 30", 36", 48", 54", 60"

Steel profiles S - American Standard Beam (I-shaped cross-section):

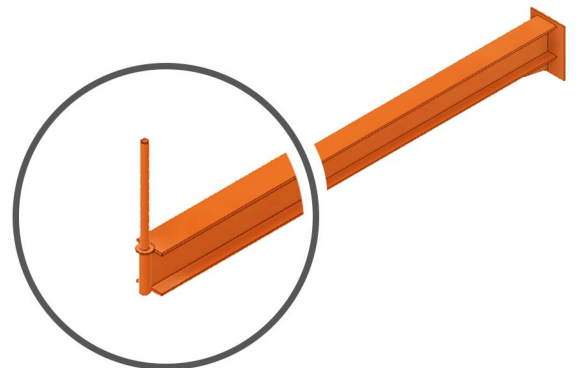
S3 x 5.7/ S4 x 7.7 / S5 x 10

Cross Bracing

Cross bracing ties columns together for rigidity, This produces a solid and stable rack system.

Arm Stops

Structural steel arm stops to prevent products from rolling off the arm.



Galvanized Cantilever Racks

- Hot dipped galvanized coating.
- Highly resistant to rust.
- Ideal for outdoors, inside cooler, freezer & chemical applications.
- Stable, safe, & economical storage solution that will last for years to come.
- Durability will outlast standard powder coating finishes.

***Galvanized Cantilevers
are available in single or
double configurations.***



**Galvanized coating, highly resistant to rust,
perfect for outdoors and freezers.**

Capacity Tables

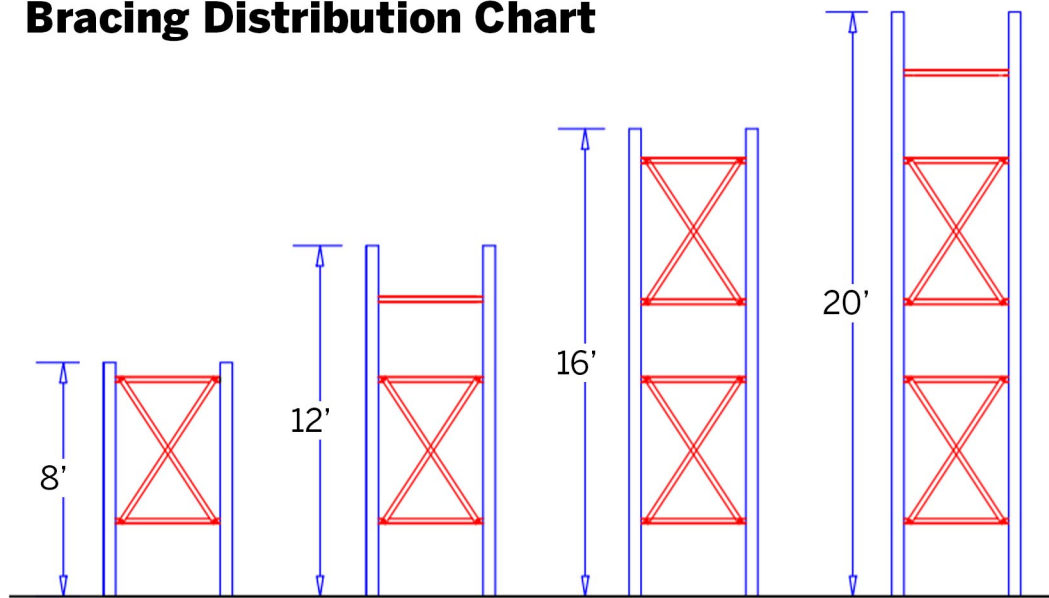
Column Capacities

Description		Capacity per side (lbs)
8 FT Cantilever Structural Tower	IPE 240	12,500
12 FT Cantilever Structural Tower	IPE 240	12,500
16 FT Cantilever Structural Tower	IPE 240	12,500
20 FT Cantilever Structural Tower	IPE 240	12,500

Arm Capacities

Description		Cap. (lbs)
36" x 3" Cantilever Structural Arm	IPE 100	2,100
36" x 4" Cantilever Structural Arm	IPE 120	3,480
48" x 3" Cantilever Structural Arm	IPE 100	1,570
48" x 4" Cantilever Structural Arm	IPE 120	2,600
48" x 5" Cantilever Structural Arm	IPE 140	3,280
54" x 4" Cantilever Structural Arm	IPE 120	2,310
60" x 5" Cantilever Structural Arm	IPE 140	2,900

Bracing Distribution Chart



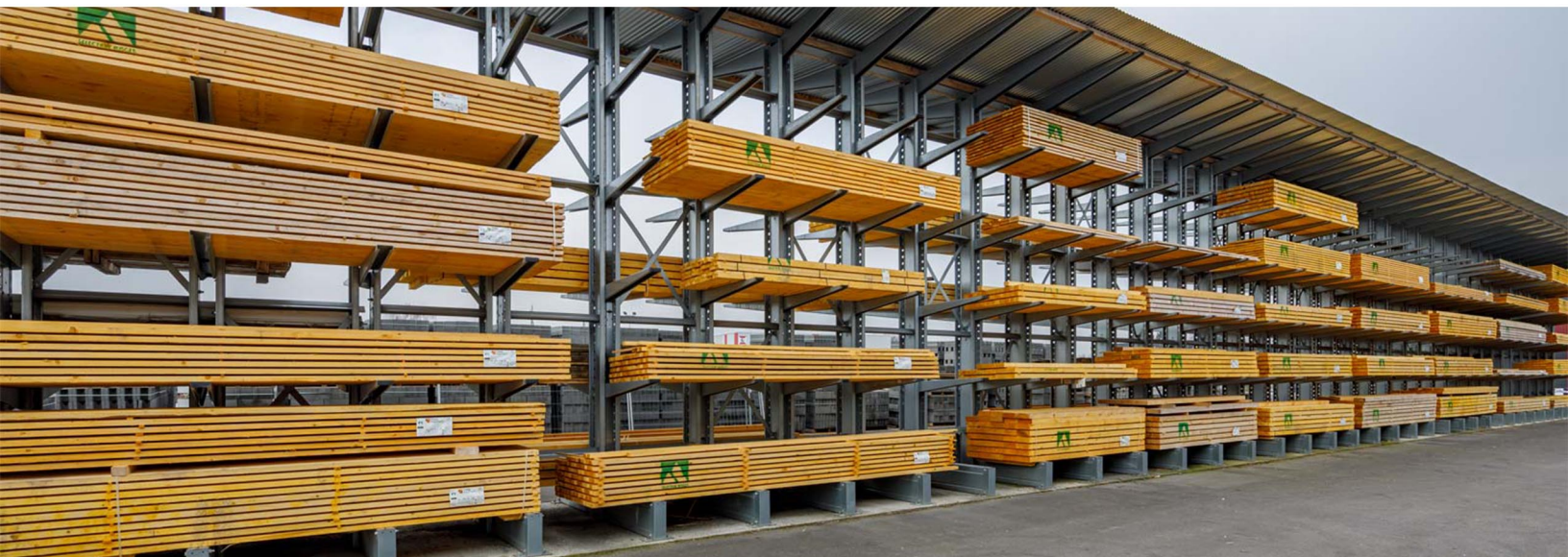
Standard's followed for engineering & design



Our engineers and manufacturing facilities adhere to universal design and quality standards such as:

- ANSI/AISC 360, Specification for Structural Steel Buildings
- AWS D1.1/D1.1M, Structural Welding Code – Steel
- ASTM A572, Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
- ASTM A36, Standard Specification for Carbon Structural Steel
- ASTM A325, Standard Specification for Structural Bolts, Steel
- ASTM A992, Standard Specification for Structural Steel Shapes

Red Steel Structural Cantilever





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