



## Bluff Cantilever Rack

*The Ideal Large Item Storage Solution*

### Creating the Best Cantilever Rack System for Your Specific Storage Needs

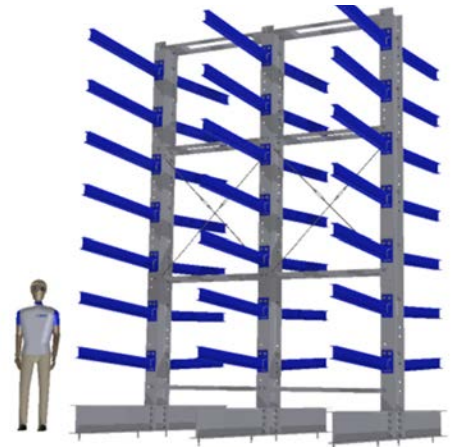
Bluff Manufacturing's solutions experts listen to your needs, assess your challenges and work with design engineers to create a value engineered storage solution perfect for your specific application.

### Why choose a cantilever rack over a conventional pallet rack system?

Cantilever racks are the racking system of choice for the orderly storage of large, bulky or self-supporting items in a wide range of lengths and sizes. The horizontal load-carrying arms of cantilever systems extend out from a single column. This innovative storage solution eliminates the need for the front columns of traditional pallet racks, making loading and unloading easier and maximizing storage space. The Cantilever system also creates more abundant handling clearance for expedited picking and less product handling damage.

### Quickly Recoup Your Investment with a Cantilever Rack System

- Minimize footprint storage space while maximizing vertical and horizontal space.
- Capitalize on the existing capability of current lifting equipment.
- Avoid the expense of product loss/damage due to floor storage, product stacking, and the front column obstructions on traditional pallet racks.
- Reduce handling time and enhance inventory control/management from improved visibility and accessibility.
- High quality, durable construction that increases the life of your cantilever rack.
- Simple installation, low maintenance.
- Savings increase significantly as load volume increases.



**Cantilever racks maximize storage space.**



## Arms

- The capacity of a cantilever rack is based on the height of the storage system, the total load to be borne, the length of supporting arm, and the quantity of arms (H.L.L.Q).
- Cantilever arms are either straight (used for stable loads such as lumber, steel sheets, cartons, etc.) or inclined (used for cylindrical objects or loads that tend to roll forward). Arm angles vary according to your needs to prevent roll-off, and end stops can be added.
- The length of the arms is a function of the load size or depth and should always be longer than the load. **Standard lengths range from 24" to 60"** but can be easily customized.
- Arms are vertically adjustable on 4" centers and are welded to a mount plate, which is then bolted to the upright columns. All arms are powder coated in Bluff Blue. Custom colors are available upon request.

## Upright Column

- Upright column height is determined by limitations of ceiling height and obstructions (sprinkler system or lighting fixtures for example) as well as the reach of your lifting equipment.
- The height of each level is the sum of (load height + clearance requirement + arm height).
- The total height of the cantilever rack is the sum of the Base + # of levels x (height per level).
- High strength steel columns are either all prepped for double-sided use and range in height from 6' to 20'
- All structural elements are posted gray. Custom colors are available upon request.

## Cantilever Base

- The Cantilever base has a factory option of completely welded construction or bolt on construction. Both options provide a stable, rigid base connection.
- Standard product is manufactured with bolted bases for ease of installation. Welded bases are available when higher capacities are required.
- All cantilever systems have anchor holes for securing to floor.

## Brace

- Brace configurations are dependent on the load as well as the height of the columns.
  - Column heights up to 12' use a traditional cross-brace.
  - Column heights 13'-16' use a single cross-brace with secondary strut across top for stabilization.
  - Column heights 16'-20' use a double cross-brace system.
- Within each column height category, standard brace kits range in length from 3' to 10', based on the column centerline.

## Options

- Material Trays can be used as a product pan for loosely stored items of varying sizes.

