



STEEL STRUCTURES PRODUCT GUIDE

MEZZANINE
STRUCTURES

CONVEYOR
CROSSOVERS

CATWALKS &
STAIRWAYS

LANDINGS &
LADDERS

CANTILEVER
RACKS

ORDER
PICKERS &
CARTS

PACKING BOX
RACKS

GUIDERAIL

MEZZANINES

MEZZANINE STRUCTURES

Bluff Mezzanines provide an ideal way to utilize existing overhead space in your warehouse to create more storage capability and boost efficiency while saving money. Our high quality designs and standardization of components keep installation costs down and allow for flexibility in regards to future modifications, relocation, expansion or reconfiguration.

General Mezzanine Specifications

- Free-standing, pre-fabricated structure. Standard design requires no on-site welding
- Registered Structural Engineer to supervise or approve all designs and details
- Engineering (PE) seal on final drawings where applicable
- Pre-fabrication drawings submitted for approval
- Structural design in accordance with the American Institute of Steel Construction (AISC) Manual of Steel Construction
- Joist Construction performed in accordance with the Steel Joist Institute (SJI)

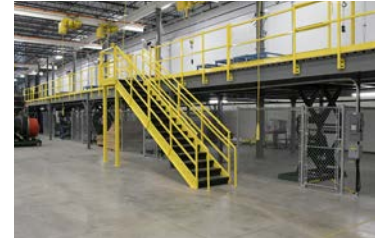
Options

Decking

- Bar grating
- B-deck
- Wood
- Steel floor plate
- Pan for concrete pour

Gates

- Swing
- Slide
- Drop plates
- Pivot



CATWALKS & STAIRWAYS, LANDINGS & LADDERS

CONVEYOR CROSSOVER

Bluff provides crossover solutions to maximize efficiency of operations and minimize the costly potential of injury by keeping personnel safe.

Conveyor Crossover Specifications

- Bolt-together construction for easy installation
- Alternate configurations including U-shaped, Z-shaped and L-shaped with intermediate landings where necessary

STAIRWAYS

Bluff provides customizable IBC and OSHA compliant stairs which are manufactured using sturdy steel and a bolt together installation.

Stairway Specifications

- 36" standard width. Customization available.
- Tread options: bar grate or diamond plate.
- Open or closed risers depending on code.
- Custom sizes and configurations: straight, L-Shaped and U-shaped runs with intermediate landings.

LANDINGS

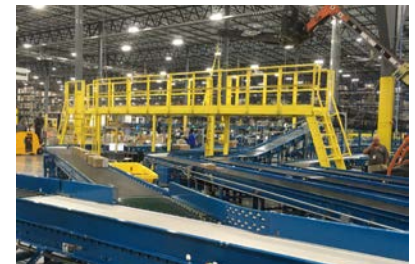
Bluff manufactures fully customizable steel landings required for vertical rises over 12 feet. IBC and OSHA compliant. Landings can be provided with stairs or sold separately.

Landings Specifications

- Custom sizes and configurations (straight, L-shaped and U-shaped runs)
- Top landings available for specific ingress/egress requirements
- Choice of decking material. (See options above)

LADDERS

Bluff provides Fixed Ladders, Ships Ladders, as well as Caged and Uncaged Ladders. These Ladders are designed and constructed in compliance with OSHA, IBC and ANSI standards.



STORAGE PRODUCTS

CANTILEVER RACK

Bluff cantilever rack is customized designed for each application. Made of structural steel for light, medium and heavy duty applications.

- Minimize footprint of storage space while maximizing vertical and horizontal space usage
- Capitalize on the higher lifting capacity and operational capability of current lifting equipment
- Reduce handling time and enhance efficiency of inventory control/management through improved accessibility to storage space
- Minimize cost of damaged product from storage structure obstacles

Arms

- Capacity of cantilever rack is based on the upright height and the length of the arms
- Cantilever arms are manufactured with a minimum 3 degree incline. Material storage examples include: lumber, cartons, pipe and sheet materials
- Arms are completely adjustable on 4" centers. Arms are welded to a mount plate which is then bolted to the upright

Upright Column

- Upright column height takes into consideration the limitations of ceiling height and ceiling conditions such as sprinkler system, lighting fixtures, etc. as well as the reach of your lifting equipment
- Structural steel columns are either Single-Sided or Double Sided and range in height from 8' to 20'
- Columns are drilled with 4" centered arm mounting holes

Cantilever Base

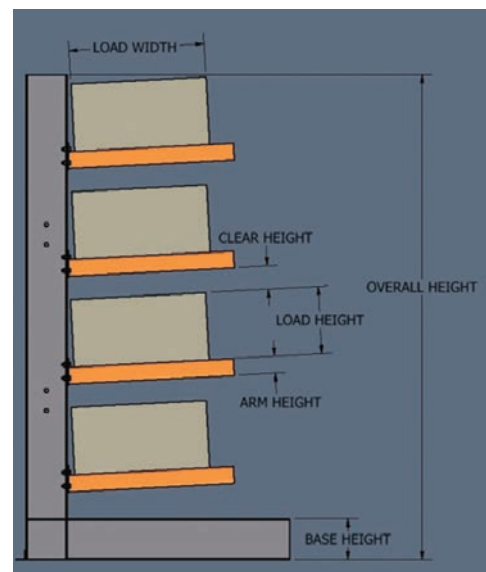
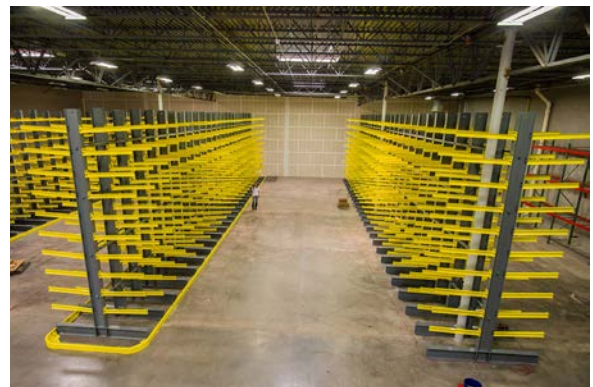
- Cantilever base has a standard bolt-on construction providing ease of installation and a stable, rigid base connection

Brace

- Bracing between uprights allows for continuous rows for longer stock and for uninterrupted loading and unloading

Options

- Material Tray – used as a product pan for loosely stored items of varying sizes.
- Colors are gray and blue. Other standard colors available. Custom colors at additional charge.



STORAGE PRODUCTS



ORDER PICKER

Moves substantial quantities of boxes or small packages quickly and safely, for order fulfillment applications. Forklift ready.



PACKING BOX RACK – Model PBR

Reduce clutter. Durable efficient rack for storing packing boxes and optimizing shipping. Conveyor and floor models available.



CARTS

Bluff Carts provide a faster, more efficient way for order picking and product portability. From storing boxes, moving furniture, displaying product or creating a portable workstation, the possibilities are endless.

SAFETY PRODUCTS



GUIDERAIL

Protects pallet rack, cantilever and other equipment with steel and powder coated design. Can be used with narrow-aisle fork trucks, lifts and order pickers to direct products and vehicles through a channel, conveyor, roadway or rail system.