

Wide-Open Spaces

The Robertson Long Bay[®] System
gives you the wide-open space
you need, and more...



The Long Bay System was used in the construction of this spacious, one million-sq.ft. warehouse.

When you need large areas of open space in your building, Robertson Long Bay Systems are the perfect answer. In addition to superior product quality, there are several distinct advantages:

1. Versatile bay spacing can be based on your exact layout needs

With the largest column-free spaces in the industry – up to 65 feet – large unobstructed areas maximize the open floor space.

The Robertson Long Bay System is suitable for any building requiring few interior columns such as distribution warehouses, manufacturing plants, recreational centers, religious facilities, theaters, and large retail stores.



The Long Bay System provides bay spacing up to 65 feet; the largest column-free spaces in the industry.



This spacious one million square foot warehouse was enclosed in just 34 days.

2. You save both time and money

All precision-fit components for your building are planned, punched, drilled and welded in the controlled environment of a production facility before being transported to your project site, resulting in the highest quality building components and faster completion time.

When compared to bar joist construction, the custom engineered Long Bay system is both stiffer and lighter resulting in reduced material and lower shipping costs.



Complete load of frames is unloaded using 4-point pickup method.



Unloading Long Bay members the same way.



Modular sections are assembled quickly and safely on the ground.

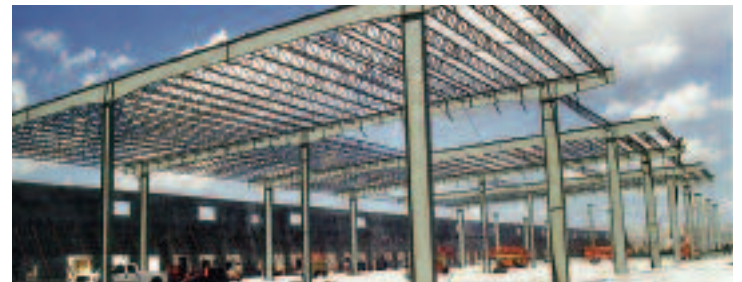
Fewer columns and footings with less bridging means lower overall in-place construction costs.

Open web truss subframes simplify installation of mechanical and electrical systems and provide roof support.

All of this translates into major dollar savings!



Entire bay assembly can be lifted in one piece.



Alternating bays are erected.



This attractive 250,000 sq.ft. distribution center was completed in only 94 days!



3. Design flexibility gives you the look and size you need now and in the future

Long Bay structures are designed for both flexibility and compatibility with a wide variety of roof and wall systems.

Choose from tapered interior columns for economy or straight columns for aesthetics and additional clearance. Sidewall columns may not be necessary for buildings that include completely load-bearing walls.

To achieve the lowest life-cycle costs, Robertson's Long Bay System may be ordered with a standing seam roof in your choice of a single-slope, double-slope or offset ridge profile with slopes from 1/4:12 to 1:12. Alternatively, Long Bay can be used with B-deck for a built-up or single-ply roof.



Double-Lok® Standing Seam Roof

The Long Bay System works well with a wide variety of compatible wall systems including tilt-wall or pre-cast concrete, EIFS and curtain wall assemblies, masonry, brick and insulated or single-skin metal wall panels.

When your business grows and needs to expand operational facilities, lengthening an engineered building structure is far less complicated than lengthening a traditional building. Increasing the length of a Long Bay structure may be as simple as unfastening the affected end wall, erecting

additional framing, installing additional wall and roof panels, and then reattaching the end wall.



Wall lights used with tilt wall.



Long Bay Systems are used with a variety of compatible wall systems – from tilt-up or pre-cast concrete, masonry and brick to insulated or single-skin metal panels.

With Robertson, you have the assurance of knowing that all components are of the highest quality. Our quality controlled manufacturing facilities are IAS accredited and CAN/CSA A660 certified. All Long Bay members are tested for load compliance daily.

Your Robertson Builder, highly skilled in the construction of custom engineered system buildings, will ensure that construction is handled quickly and proficiently. Industry estimates indicate that engineered building projects take one-third less time to construct than traditional building projects letting you occupy the building sooner.



The expansive interior of a newly constructed Long Bay System building.

Long Bay System Advantages:

Versatile Bay Spacing

- Maximum bay spacing = 65' (the longest in the industry)
- Minimum cost-effective bay spacing = 30'
- Optimum bay/module spacing = 50' x 50'

Faster, Safer, More Economical Construction

- Entire bays can be assembled quickly and safely on the ground
- End seat attachment bolts to main frame, so no welding is required
- Less bridging, fewer footings and reduced number of columns than conventional joist
- Stiffer and lighter than bar joist
- Superior strength-to-weight ratio
- Bridging is gauged angle; easily attaches with self-drilling screws

Greater Design Flexibility

1. Multiple roof solutions available
 - Mechanically seamed Standing Seam Roof
 - B-Deck for EPDM, Single-Ply or Built-Up Roofing

2. Wide Variety of Compatible Wall Systems

- Tilt-wall or pre-cast concrete
- EIFS and curtain wall assemblies
- Masonry and brick
- Insulated or Single-Skin Metal Panels

3. Framing Options

- Can be designed with or without sidewall columns
- Transverse or longitudinal framing
- Optional lateral wall support (spandrels)

Superior Product Quality

- Superior linear properties; no sweep or warp
- 4" Chords provide stable, flat attaching surfaces
- Machine rolled for accuracy and tight tolerances
- Robertson manufacturing facilities are IAS accredited and CAN/CSA A660 certified
- Long Bay members are tested for load compliance daily

Tap Into Authorized Robertson Builders' Services

Robertson's highly trained contractor network of authorized Robertson Builders can provide you with professional design and construction services as well as single-source solutions to deliver a complete turnkey project.

Robertson Building Systems is a leading supplier of Engineered Building Systems



Robertson Building Systems

An NCI Company

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