

Raised Storage Solutions



Floor space is a valuable resource in every distribution centre. Unused overhead space in your facility presents a unique opportunity to increase the functional area available. The key is to build a safe and secure platform that is economical to install and which does not compromise ground level workflow. Colby's Raised Storage designs provide you with the ideal solution.

It's an opportunity to double up.

**F
08**

品質管制區
Quality Assurance



Colby Raised Storage Solutions

The economical way to create more space in your warehouse



Colby Raised Storage Areas are cost effective solutions that can double the usable floor area in your factory or distribution centre. Safe and secure, a Colby Raised Storage Area provides access to an overhead work area without interrupting ground level workflow.

A wide range of Colby Raised Storage Areas have been developed to cost effectively provide more useable space.

Low cost, medium-duty floors can be easily assembled using standard pallet racking components. In heavy duty applications, structural columns are combined with Colby beam sections which provide the necessary floor span and load carrying capability.

Our new Raised Storage systems are designed to increase the capacity of your existing facility, often negating the need to move and the associated relocation costs.

Colby Raised Storage Areas are purpose designed to meet your particular requirements and can be used for bulk storage, additional order picking areas or even an extra office.



Colby's team of storage professionals has the experience to design and develop a new Raised Storage Area for you.

Ask about our free initial site survey and learn more about our advanced computer aided design, manufacturing and installation capability. The result is a system that gives you the best value for money as well as peace of mind that your new floor meets all relevant structural design standards.



- Utilises free overhead space saving the need for relocation
- Safe and secure operation meeting the highest standards in design
- Easily integrated with stairs, handrails, conveyors, pallet gates, and other lifting and loading devices
- Creates a secure area for valuable goods and components

Heavy-Duty Flooring System

A versatile solution for more clear space and heavier loads

Colby's heavy-duty flooring is fully bolted in its construction and has been developed to allow more column free space with greater load capacity. The system is based on the use of Colby 'Sigma' beams. Compared to other flooring systems the Sigma floor is very cost effective, making use of fewer components and significantly reducing the installation time.



Bracing for added stability

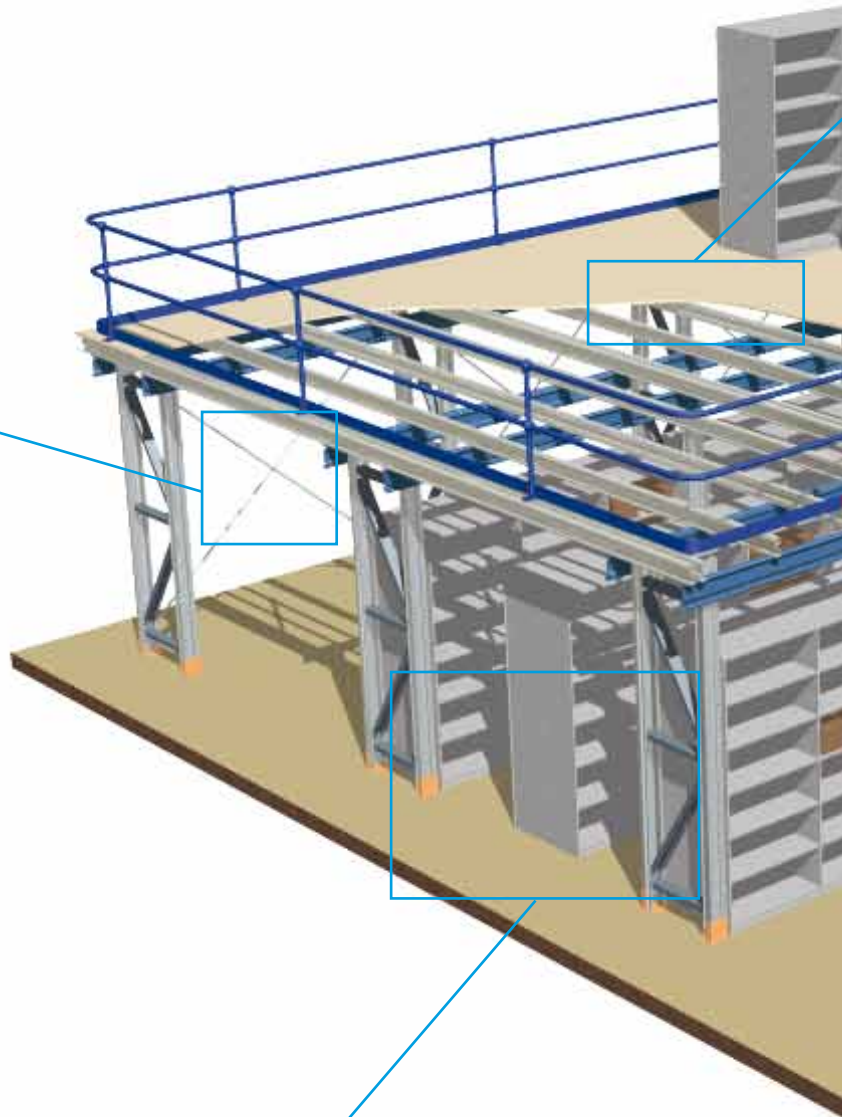
Down aisle bracing may be required to give the floor structural stability. Bracing is manufactured from standard light-weight components, and is easily installed.



Sigma Beam Profiles

Colby's new Sigma beam is a breakthrough in raised storage design. The specially optimised Sigma profiles are punched at 50mm centres to enable simple connections to other components.

Colby manufactures the Sigma profiles in a variety of different depths and material thicknesses to optimise structural performance, cost, and durability. All Sigma beams are made in Australia from high tensile steel with a galvanised finish.



Increased Aisle Width

Sigma profiles used as floor joists can achieve large spans, allowing a reduction in the number of upright frames. This increases the aisle width as well as the clear space below the floor.

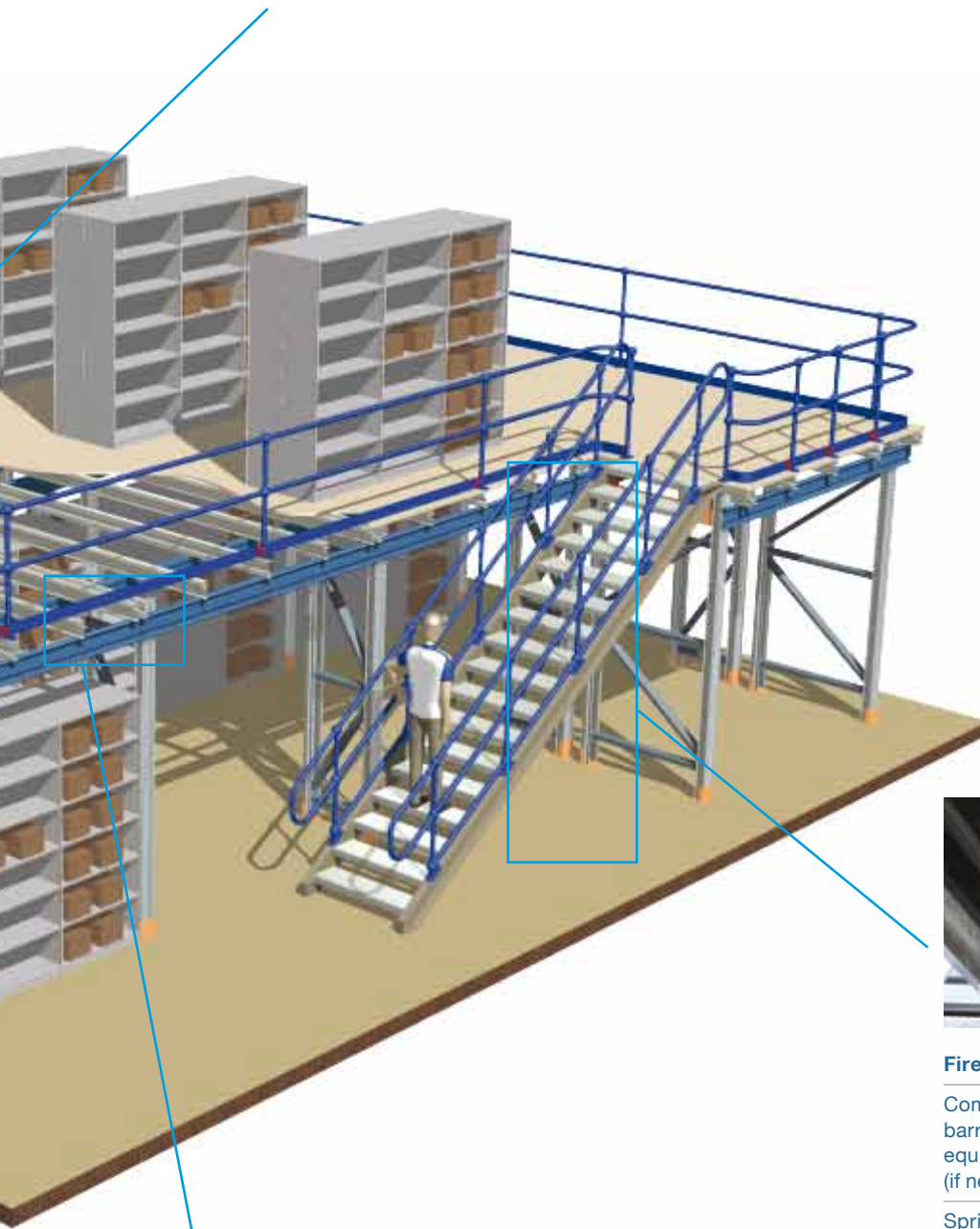


Decking Options

Depending on your requirements, Colby floors can be designed and delivered with different decking materials such as plywood, particleboard, or steel grating.

Easily reconfigured

Colby's Sigma floor system offers flexibility with all structural connections being bolted or screwed. Unlike conventional steel constructions, this system can be easily moved or modified for changing requirements at a later date.



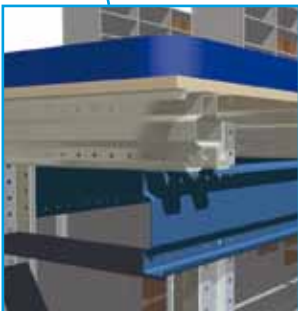
Fire protection & OH&S

Complete floor packages include stairs, treads, barriers, and handrails as well as fire protection equipment such as sprinklers and smoke curtains (if necessary).

Sprinkler pipes and electrical wiring are easily mounted into the Sigma profile section thanks to its array of regular perforations. This reduces both cost and installation time.

Bolted Support Structure

The Sigma profiles used in the decking support structure are commonly known as primary and secondary beams. The structure of support beams is bolted together using standardised brackets. Prepunched holes in all Sigma beams facilitate simple bolted connections between uprights and other structural components.



Medium-Duty Flooring System

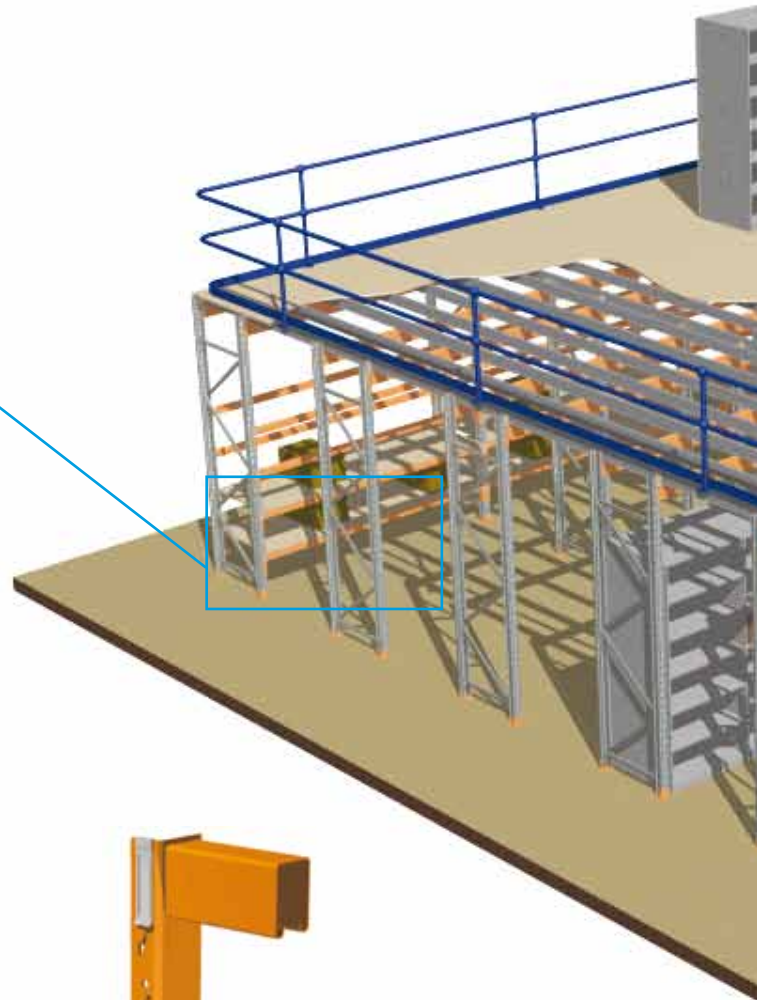
Economical additional space made from pallet racking components

A medium-duty flooring system can be created using standard ColbyRACK components. The floor space is increased by using racking as a fast and inexpensive means of constructing free-standing Raised Storage Areas. The use of standardised rack components allow quick and easy designs as well as the integration of different shelving and racking systems.



Seamless integration of Shelving and Racking systems

The use of standard ColbyRACK components gives you operational flexibility to seamlessly integrate different Colby shelving and racking systems, Carton-Live Storage, and Long Span Shelving (as shown above) to optimise small parts picking operations. The Colby medium-duty flooring system is extremely versatile and offers integration options to suit your application and budget.



ColbyRACK Components

Colby offers a wide variety of beams and uprights to meet different requirements, balancing the needs of structural performance, cost, durability, and adjustability.

All standard Colby beams are made from 1.6mm thick, high tensile steel. A powder coat finish creates a durable, hard-wearing surface for even the harshest warehouse environments.

High strength steel and smart section design combine to provide maximum upright strength, at minimum cost. The unique diamond-slot profile and strengthening rib in the front of the upright, make them significantly stronger than conventional systems and provide more structural rigidity.



Box beam (BB)
Our standard versatile beam



Open beam (OB)
For light-duty applications



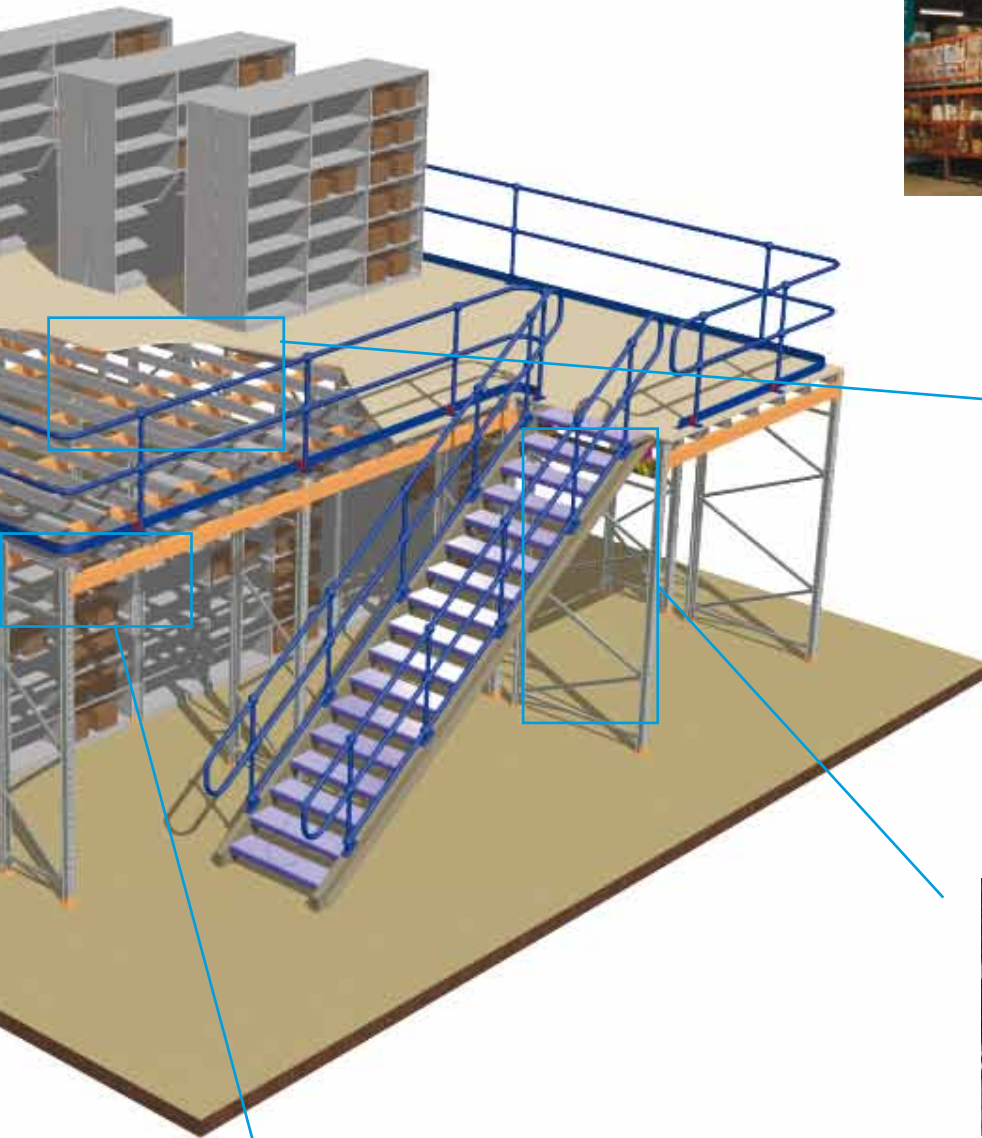
Rear flange uprigh



Standard upright

Flexibility

Colby medium-duty flooring systems deliver virtually unlimited options to utilise valuable overhead space in your warehouse. Colby Raised Storage Areas give you the flexibility to bring your goods into good order.



Decking Options

Depending on your requirements and budget, Colby floors can be designed and delivered in a range of different decking materials such as plywood, particleboard, or steel grating.

Stairs and Guardrails

All Colby Raised Storage designs include stairs, treads, barriers and handrails as well as safety signage, to provide you with a complete solution.



Fire protection & OH&S

Complete floor packages include fire protection equipment such as sprinklers and smoke curtains which can be conveniently mounted under the floor.

Decking Support Structure

Standard ColbyRACK components are used for the primary support beams. Floor joists typically comprise standard 'top hat' profiles tek-screwed into the top flange of the primary beam.



www.colbydandenong.com.au

Colby Dandenong

(A1 Precision Solutions Pty Ltd)

2 Logis Boulevard,
Dandenong South VIC 3175 Australia

Tel: **1800 265 291**

info@colbydandenong.com.au

About Colby Storage Solutions

Colby Storage Solutions is one of Australia's best known and respected suppliers of innovative, high quality storage solutions. With more than 40 years experience in providing reliable and cost effective solutions, Colby combines the flexibility of a national network of independent distributors with the resources of global materials handling specialist Dematic.



Colby products are designed, engineered and manufactured by Dematic Pty Ltd.

