

MEZZAMAN

MEZZANINE

CUSTOM SPACE OPTIMISATION SOLUTIONS



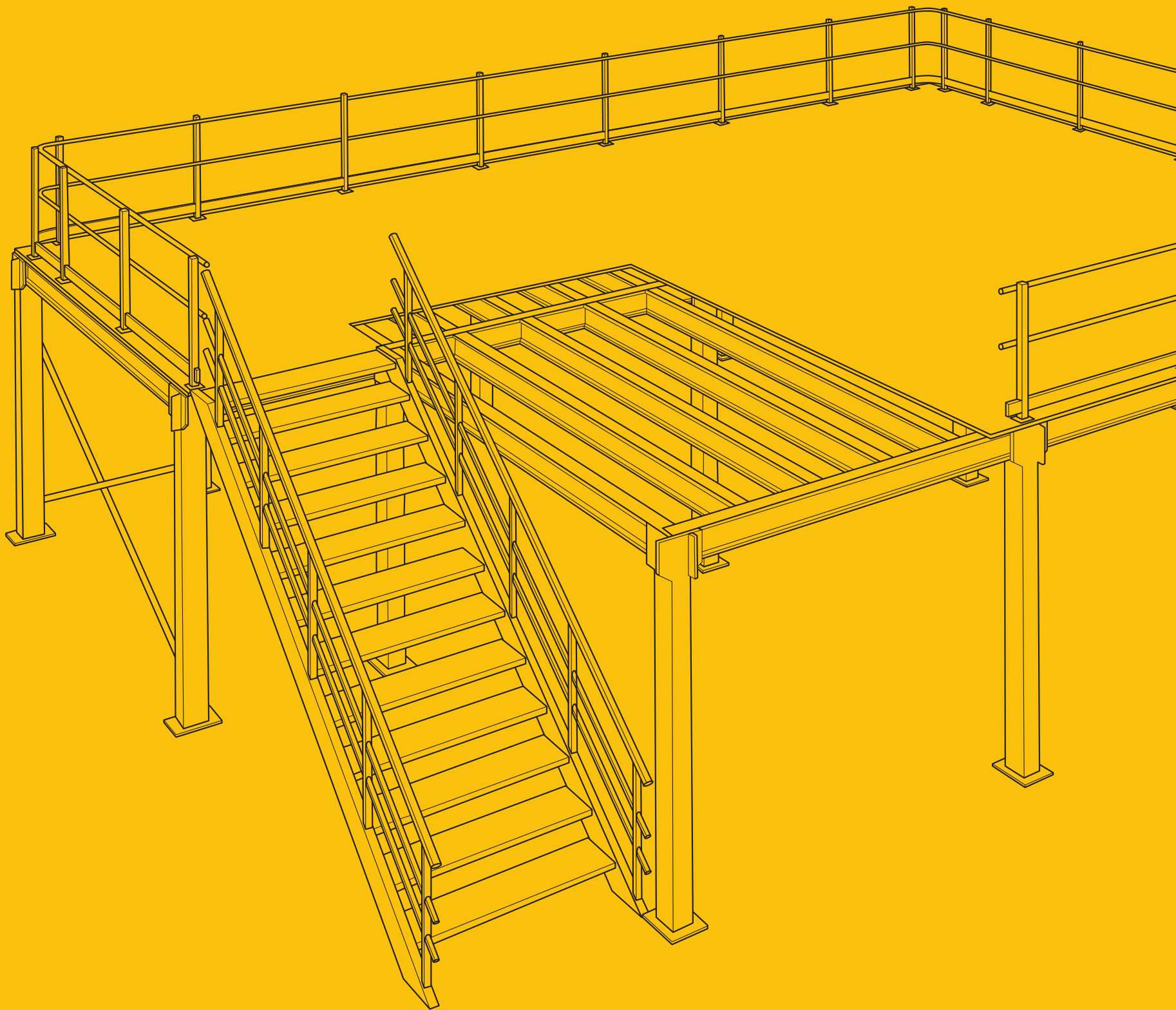


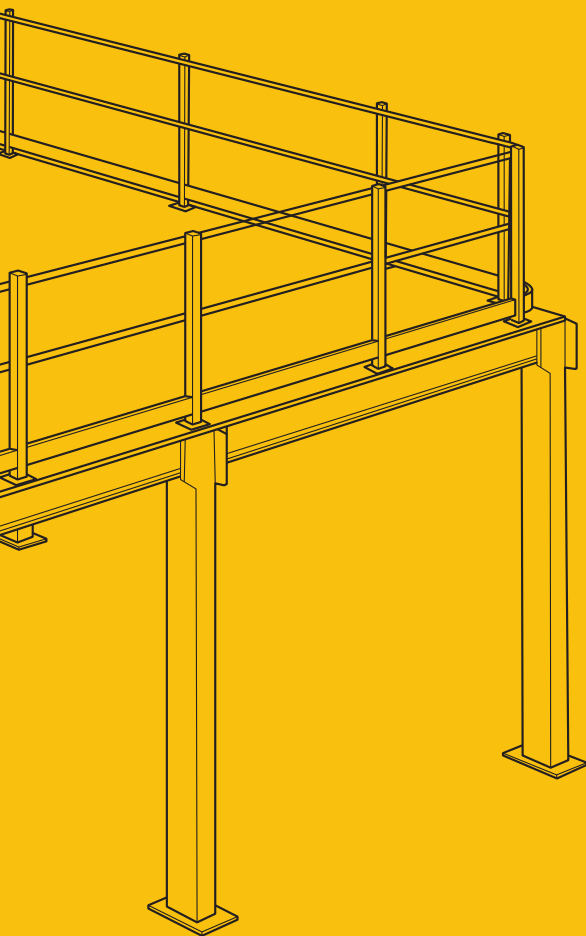
MEZZAMAN

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EDITORIAL

At ManOrga, we understand that your workspace optimisation requirements are both strict and specific to your line of work. Based on this knowledge, we have designed a complete range of mezzanine suited to your usage and environment to help your company develop and thrive.

Welcome to the ManOrga range of MEZZAM-AN mezzanine, which comprises 3 product lines.

The ManOrga team is delighted to present to you these custom solutions, designed and manufactured with our trademark industrial passion.

Happy reading!

Hany Hage

Mezzanine expert - Category manager

MANORGA

A WORKSPACE OPTIMISATION DESIGNER/ MANUFACTURER.

The company's two modern, high-spec 30,000 m² production sites in the north of France – the heart of Europe – offer highly flexible production and deadlines to satisfy customer requirements on a global scale.

Driven by a philosophy of "constant innovation", the technical and commercial teams provide the optimal solution in line with technical, budgetary, regulatory and normative requirements.

Strength, safety and looks are the 3 mainstays of our quality commitment, across all of our product lines: mezzanine, shelving and industrial partitions.

Service also represents a core value in our professional philosophy, and we offer a personalised approach with custom solutions.

These form the foundation of our business, and we respect individual objectives to help your company develop and thrive.





1 COMMITMENT

Active listening combining: flexibility, expertise and industrial competence. ManOrga's experienced teams study complete solutions to optimise work and storage surfaces.

2 PARTNERSHIP

Dialogue with our partners is paramount, and we design our improvement process in consultation with you to meet your needs and forecast the requirements of the target market.

3 QUALITY AND SAFETY

The design, calculations and tests are certified in line with the Eurocodes, FEM and CE standards and recommendations to guarantee optimal safety and globally renowned quality.

4 EFFICIENCY

ManOrga is committed to meeting production deadlines and offers a delivery service tested to meet a range of needs for each project.



MEZZAMAN STOCK

"The ManOrga self-supporting mezzanine has solved a number of problems.

We now have more space for our containers of electrical, audio and video equipment. I had a lot of free ceiling height and, with an installed floor height of 3.50 m, I was able to double my storage surface area and place more handling trolleys under the structure.

Thanks to its modularity, the technical solution provided was integrated perfectly into the building structure. It even took into account the position of the existing pillars. No additional work, extra costs or nasty surprises.

Much smoother handling of containers and trolleys, saving my teams a lot of time when preparing jobs."

MAXIME - Company manager

See details of MEZZAMAN STOCK on **Page 10**

MEZZAMAN OFFICE

"Giving our employees a rest area, an eating area and creating offices for team leaders in the factory.

The challenge was met by ManOrga and its distribution partner, with whom we already had a relationship. The ground floor and first floor offices on the mezzanine are operational.

No effect on the dedicated production area. We've stayed in the same building, with no need for additional construction work."

Benefits of the proposed solution

"Real progress in terms of employee well-being and workstation layout."

INÈS - HR officer

See details of MEZZAMAN OFFICE on **Page 14**



MEZZAMAN SMART

"When we were creating our new city-centre gym, we wanted to build a floor to house the weight-training equipment, and therefore to optimise the height of the building. The ManOrga mezzanine enabled us to complete the project very quickly.

The choice of colours meant we could integrate the structure in the existing decoration."

ISABELLE - Manager

See details of MEZZAMAN SMART on [Page 18](#)

PICTOGRAM LEGEND



CE certified, complies with: European regulation EU no. 305/2011, technical standards harmonised on a European level: EN1090-1 and 1090-2. Execution Class EXC 2.



Easy to assemble mezzanine for quick setup.



The mezzanine staircase is included with the structure.



The safety rail is included with the structure.



Complies with European and/or French standards.

MEZZAMAN STOCK

This storage mezzanine frees up substantial space for improved optimisation of product storage areas.

Offering quick and easy setup combined with a wide range of configurations, MEZZAMAN STOCK is ideal for industry, logistics warehouses, spare parts stores, etc.





PRESENTATION

A safe, robust and reliable solution with high load capacities covering a wide range of configurations to expand and optimise the smallest areas.

Quick to assemble and with a modular design, the structure is scalable, helping companies to develop and thrive. Suitable for both short- and long-term needs.

MEZZAMAN STOCK also benefits from long-standing experience. It has evolved to incorporate a variety of equipment and accessories to meet users' needs. Pillars, bays, cantilevers, landings, use of pallet truck above ground level... Special layouts are no problem for this storage mezzanine.

COMPOSITION MEZZAMAN STOCK

STRUCTURE

Made from robust, self-supporting steel.
No drilling or welding on site.

- Uprights
- Beams and joists (*optional adjustable beams and joists*)
- Floor
- Handrail and staircase

UPRIGHTS A

Painted square tube of varying cross-sections depending on the project. The installation and cross-section are defined for the minimum footprint.

BEAMS B

"C" profiles of varying cross-sections depending on the project. Height 150 to 400 mm. The profile selection is optimised to meet the necessary requirements.

FLOORS C

Standard: P4 chipboard, 30 mm thick, uncoated.

Optional alternative:

- P5 chipboard (fire retardant, waterproof), 2x22 mm thick tongue-and-groove, uncoated
- P6 chipboard, 38 mm thick, with white underside
- Dry floor with corrugated sheet steel
- Metal grating
- Diamond plate

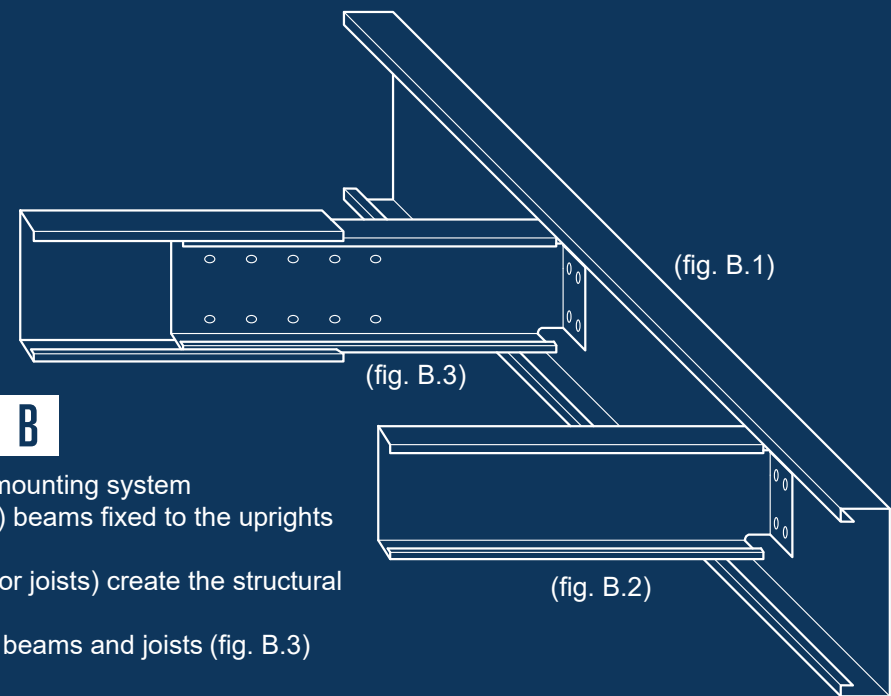
LOADS

Capacity from 250 kg/m² to 1000 kg/m².

FINISH

Uprights:

- Epoxy paint
 - Standard RAL 7024 graphite grey colour (*Other RAL colours available, see page 26*)
- Galvanised beams.

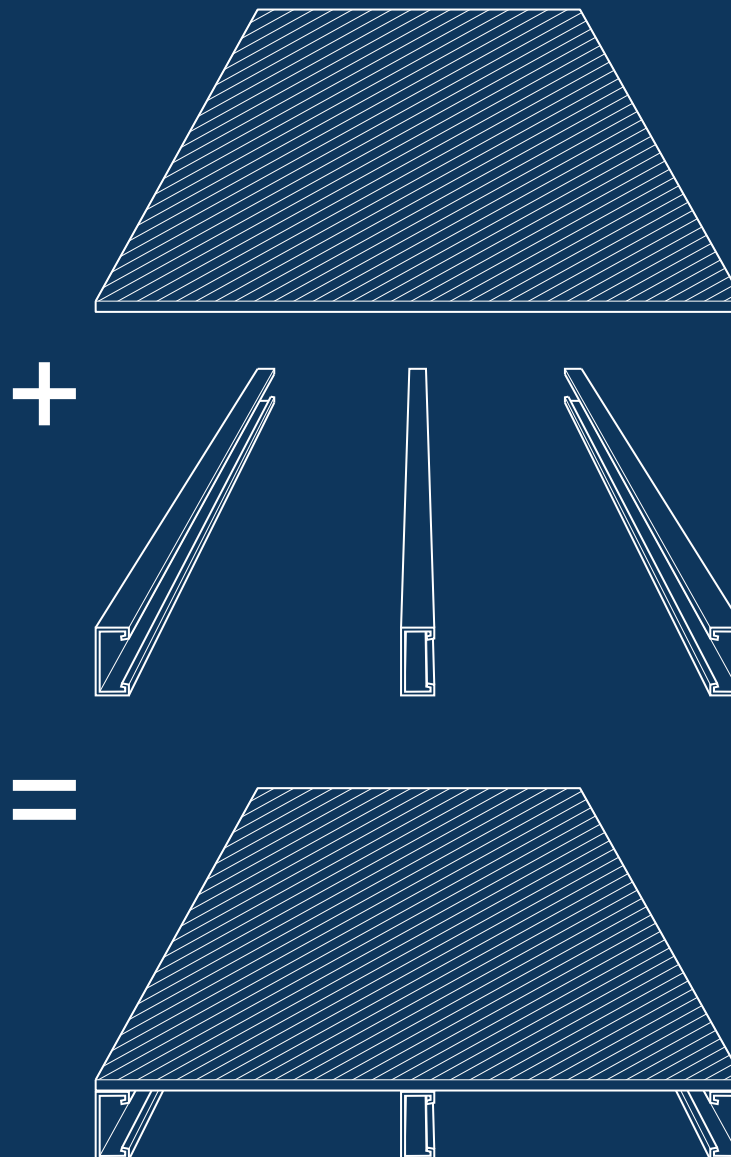


BEAMS B

- Proven, high-spec mounting system
- Main (or supporting) beams fixed to the uprights (fig. B.1)
- Secondary beams (or joists) create the structural mesh (fig. B.2)
- Optional adjustable beams and joists (fig. B.3)

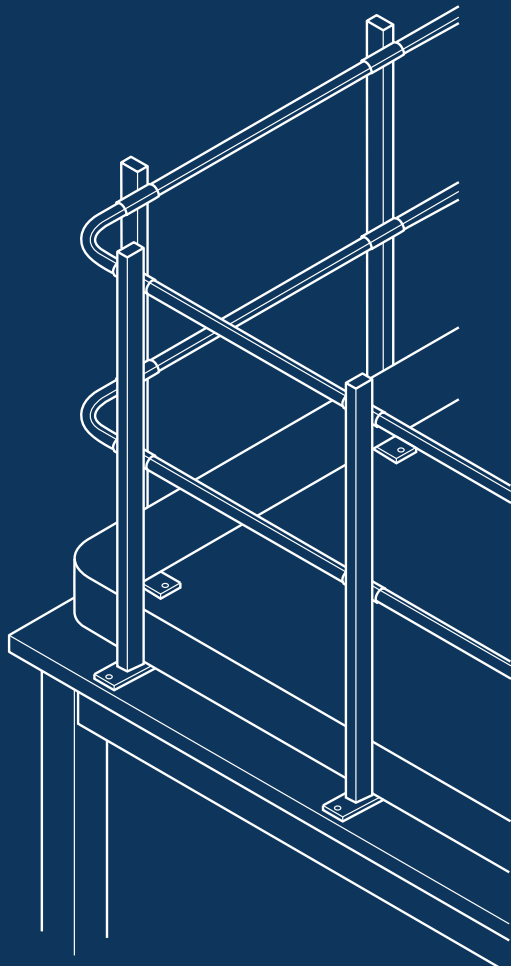
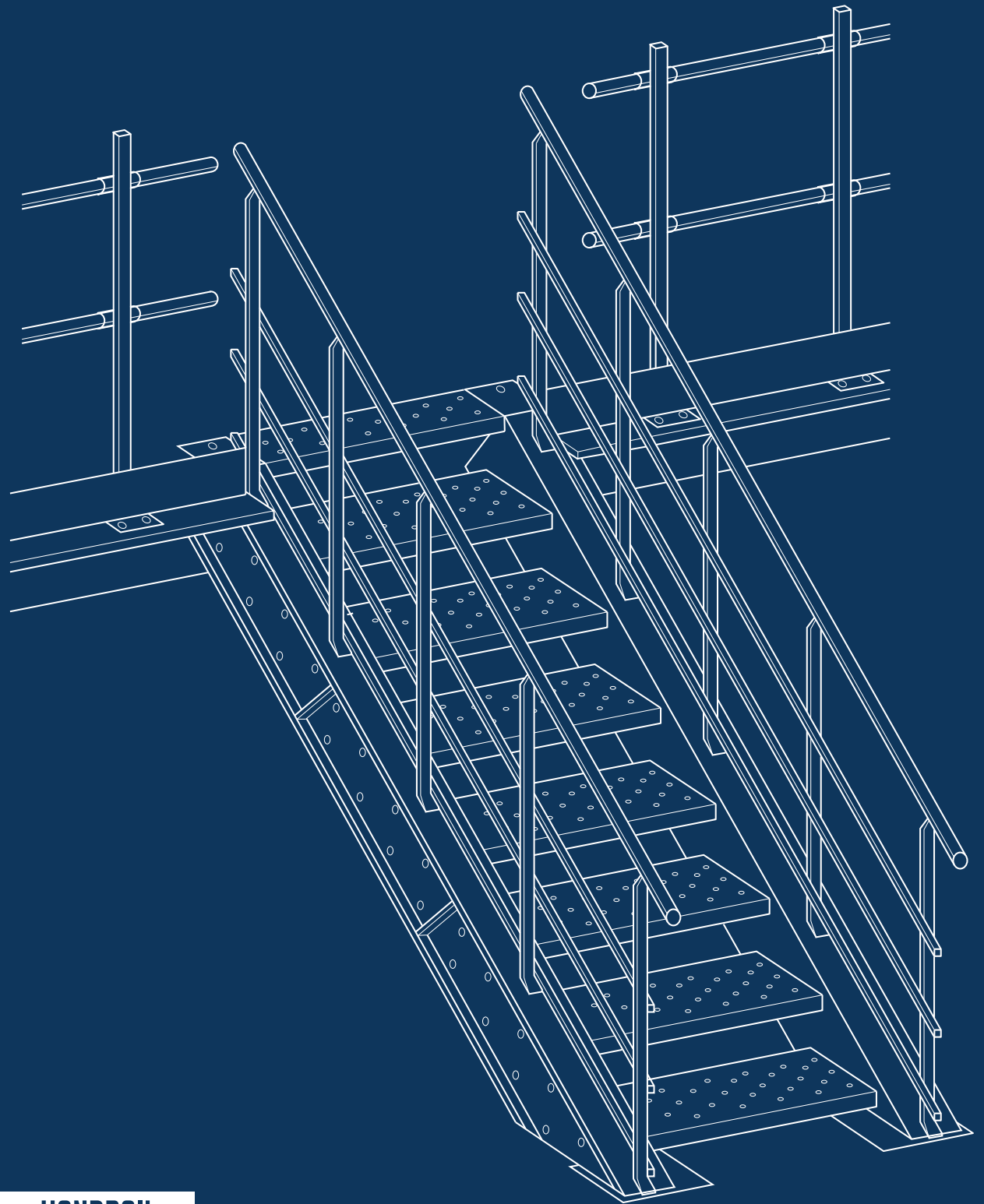
FLOOR C

- Mounting on the main and secondary beams



STAIRCASE

- 35°, 38° or 45° angle
- Useful width: 600, 800, 1000 or 1200 mm
- Overall width: 760, 960, 1160 or 1360 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Optional intermediate landing for stairs in two flights



A

HANDRAIL

- Upright with plate fixed to the mezzanine floor
- Height 1100 mm with handrail in Ø30 mm tubing
- Baseboard height 150 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015

MEZZAMAN OFFICE

This mezzanine configuration is highly recommended for expanding workspaces using the available height in buildings.

The focus is squarely on sensory experience and the comfort of the structure's users. Creating a rest area, a canteen, quick installation of a dedicated production area, freeing up extra office space, MEZZAMAN OFFICE adapts to suit your core activities.





PRESENTATION

The combination of a dry floor with corrugated sheet steel and a covering layer of chipboard makes the structure particularly stable and ensures excellent working comfort.

A design adapted to use, custom manufacture, as well as a range of customisation options for stairs, handrails, floors, etc. make for extremely versatile workspace organisation.

Quick, easy implementation makes for smooth redesign projects. Thanks to MEZZAMAN OFFICE, it's never been so easy to get a workspace up and running.

Product benefits:

- ***Compatible with the installation of modular partitions on or under the structure.***
- ***The load capacities per square metre are studied to adapt precisely to the intended use.***

COMPOSITION MEZZAMAN OFFICE

STRUCTURE

Made from robust, self-supporting steel.
No drilling or welding on site.

- Uprights
- Beams and joists (*optional adjustable beams and joists*)
- Floor
- Handrail and staircase

UPRIGHTS

Painted square tube of varying cross-sections depending on the project. The installation and cross-section are defined for the minimum footprint.

BEAMS

"C" profiles of varying cross-sections depending on the project. Height 150 to 400 mm.

The profile selection is optimised to meet the necessary requirements.

FLOOR

A

Standard: Overlaid dry floor (*Corrugated sheet steel, height 22 mm, galvanised + slabs of P4 chipboard, 19 mm thick, uncoated*)

Optional alternative:

- P5 chipboard (fire retardant, waterproof), tongue-and-groove, uncoated (*Corrugated sheet steel, 22 mm high, galvanised + slabs of P5 chipboard, 22 mm thick, uncoated*)
- P6 chipboard, 38 mm thick, with white underside

LOADS

Capacity from 250 kg/m² to 500 kg/m² (depending on project).

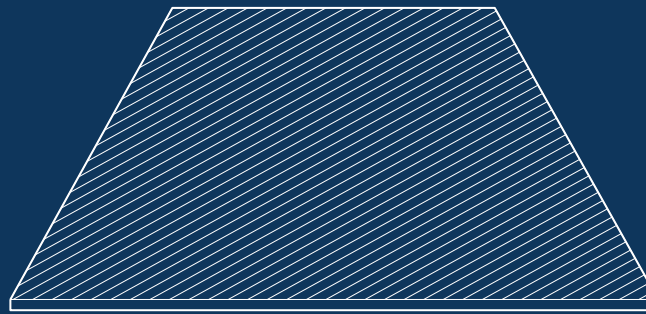
FINISH



Uprights:

- Epoxy paint
- Standard RAL 7024 graphite grey (*Other RAL colours available, see page 26*)
- Galvanised beams.

(fig. A.1)



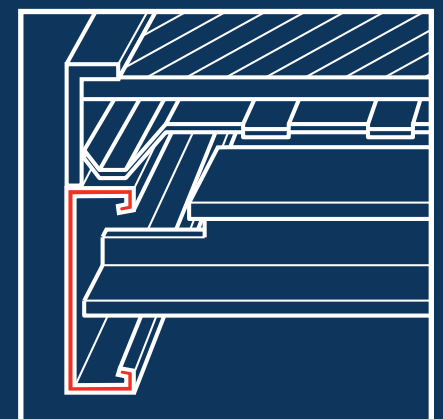
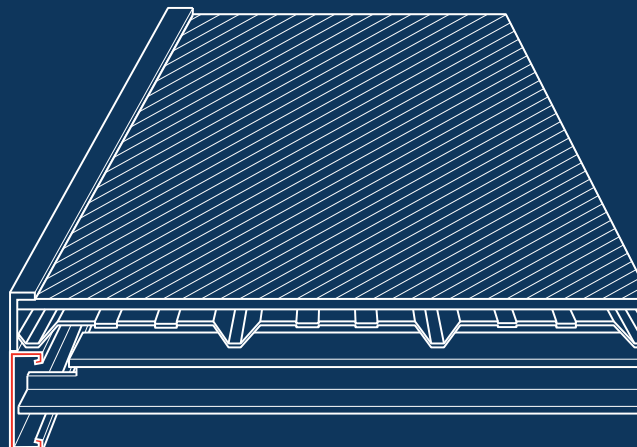
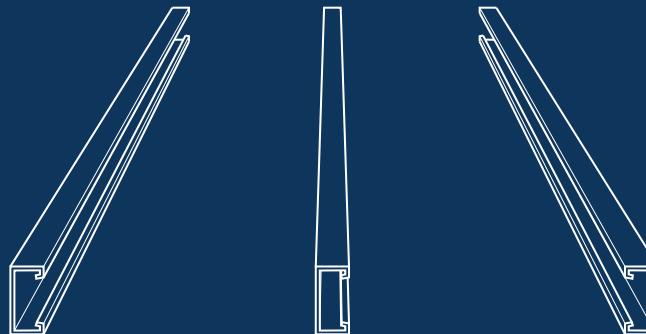
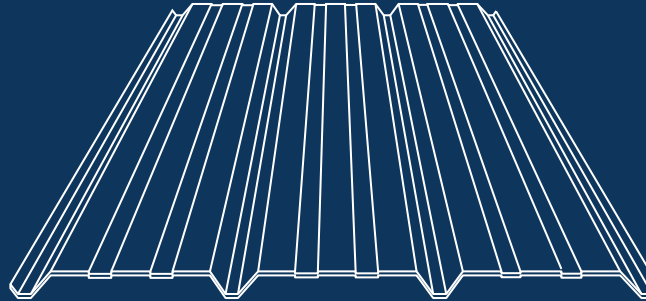
FLOOR

A

- Mounting of 19 mm chipboard (fig. A.1) on corrugated sheet steel (fig. A.2) screwed to the main and secondary beams

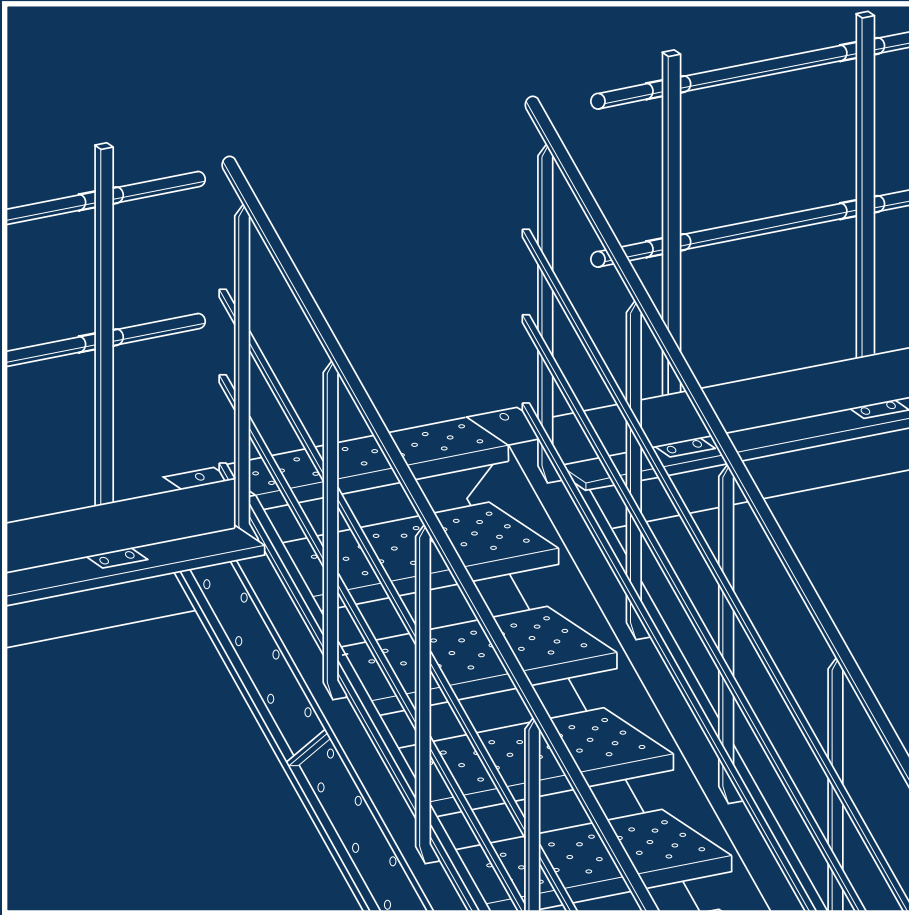


(fig. A.2)



(fig. A.3)

- Floor overlaid on supporting beams



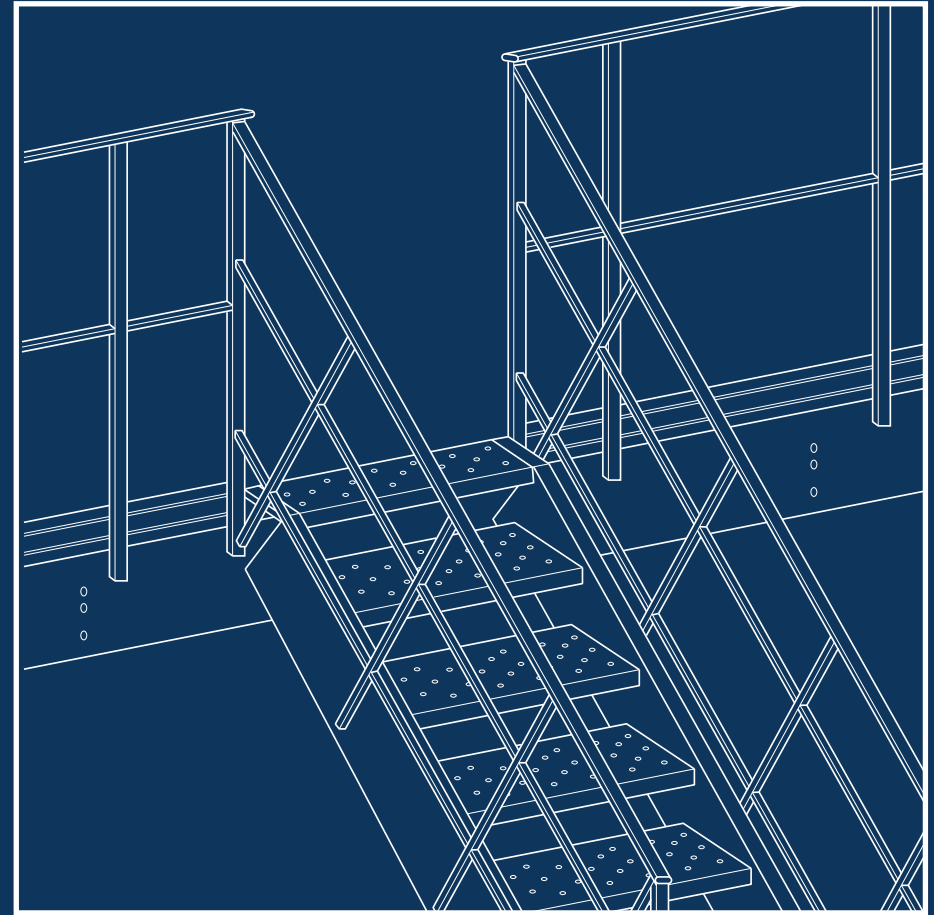
COMPOSITION – STAIRCASE/HANDRAIL 1

STAIRCASE

- 35°, 38° or 45° angle
- Useful width 600, 800, 1000 or 1200 mm
- Overall width 760, 960, 1160 or 1360 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Staircase handrail welded to the stringer
- Optional intermediate landing for stairs in two flights (fig. B)

HANDRAIL

- Upright with plate fixed to the mezzanine floor
- Height 1100 mm with handrail in Ø30 mm tubing
- Baseboard height 150 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015



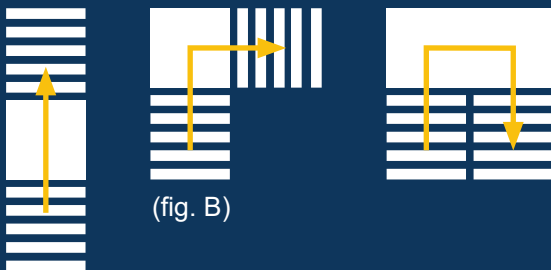
COMPOSITION – STAIRCASE/HANDRAIL 2

STAIRCASE

- 35°, 38° or 45° angle
- Useful width 600, 800, 1000 or 1200 mm
- Overall width 780, 980, 1180 or 1380 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Optional intermediate landing for stairs in two flights (fig. B)
- Staircase handrail bolted to the stringer for increased stability
- Continuity between the two handrails (staircase and safety rail)
- Reinforced stair nosing for better user comfort

HANDRAIL

- Upright surface-mounted on the beam (beams factory-pre-drilled)
- Height 1100 mm with handrail in 48 mm oval tubing for better grip and Ø20 mm tubing
- Intermediate baseboard height 150 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Modern design maximising the useful surface area of the mezzanine
- Supplied as starter and add-on modules for quick assembly



MEZZAMAN SMART

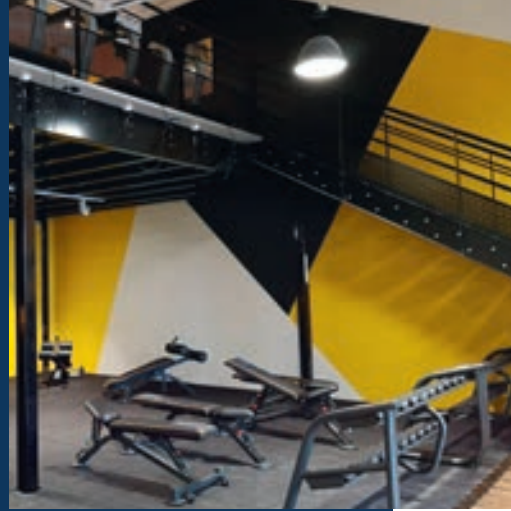
The MEZZAMAN SMART mezzanine is designed to integrate seamlessly into its environment.

This is a functional and attractive solution.

More than merely a space optimisation structure, it is a key element of the layout and has a significant effect on the working ambience.

This mezzanine meets a range of requirements, making it suitable for showrooms, sales areas, dealerships and gyms.





PRESENTATION

The MEZZAMAN SMART mezzanine is characterised by a subtle combination of technical and aesthetic features. This mezzanine's specifications make it ideal for a number of specific markets, including public buildings.

A floor embedded in the structure and the permitted load capacities make this a compact and reliable mezzanine.

Customers with exacting requirements will appreciate the staircases in tubular modules, surface-mounted handrails, the wide selection of colours for the structure, the white corrugated sheet steel floor, as well as the creativity and competence of the design office and technical advisers.

COMPOSITION MEZZAMAN SMART

STRUCTURE

Made from robust, self-supporting steel.
No drilling or welding on site.

- Uprights
- Beams and joists (*optional adjustable beams and joists*)
- Floor
- Handrail and staircase

UPRIGHTS

Painted square tube of varying cross-sections depending on the project. The installation and cross-section are defined for the minimum footprint.

BEAMS

"C" profiles of varying cross-sections depending on the project. Height from 150 to 400, 4 mm thick.

The profile selection is optimised to meet the necessary requirements.

FLOOR

A

Standard: Integrated dry floor (*Corrugated sheet steel, height 56 mm, galvanised + slabs of P4 chipboard, 19 mm thick, uncoated*)

Optional alternative:

- Corrugated sheet steel, height 56 mm, galvanised + slabs of P5 chipboard (fire retardant, waterproof), 22 mm thick, uncoated
- P6 chipboard, 38 mm thick, with white underside

LOAD

Capacity from 250 kg/m² to 500 kg/m² (depending on project).

PUBLIC BUILDINGS OPTION

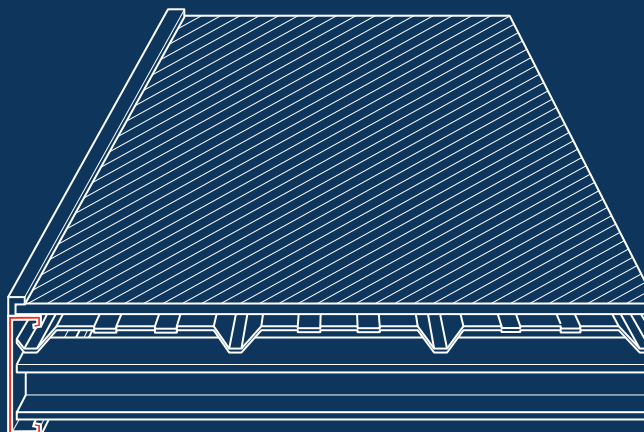
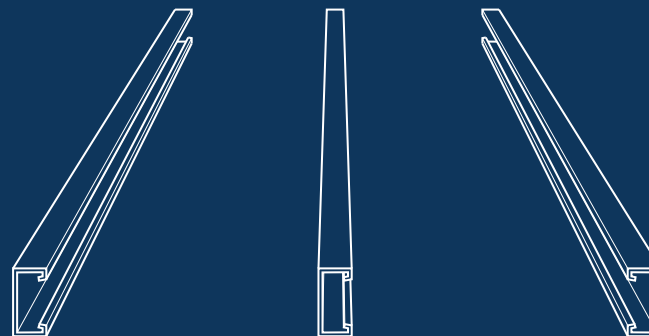
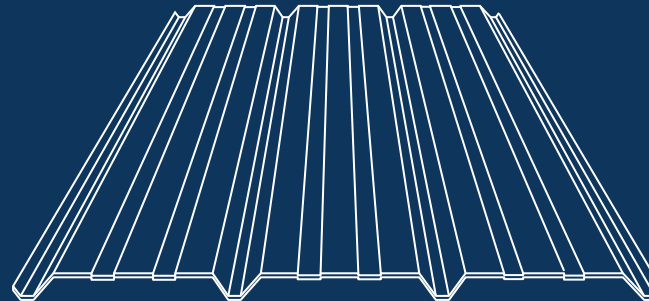
Load as per public building category and Eurocode 1.

FINISH



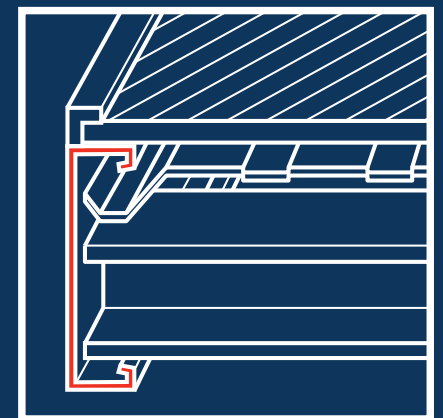
Uprights:

- Epoxy paint
 - Standard RAL 7024 graphite grey
(*Other RAL colours available, see page 26*)
- Galvanised beams.



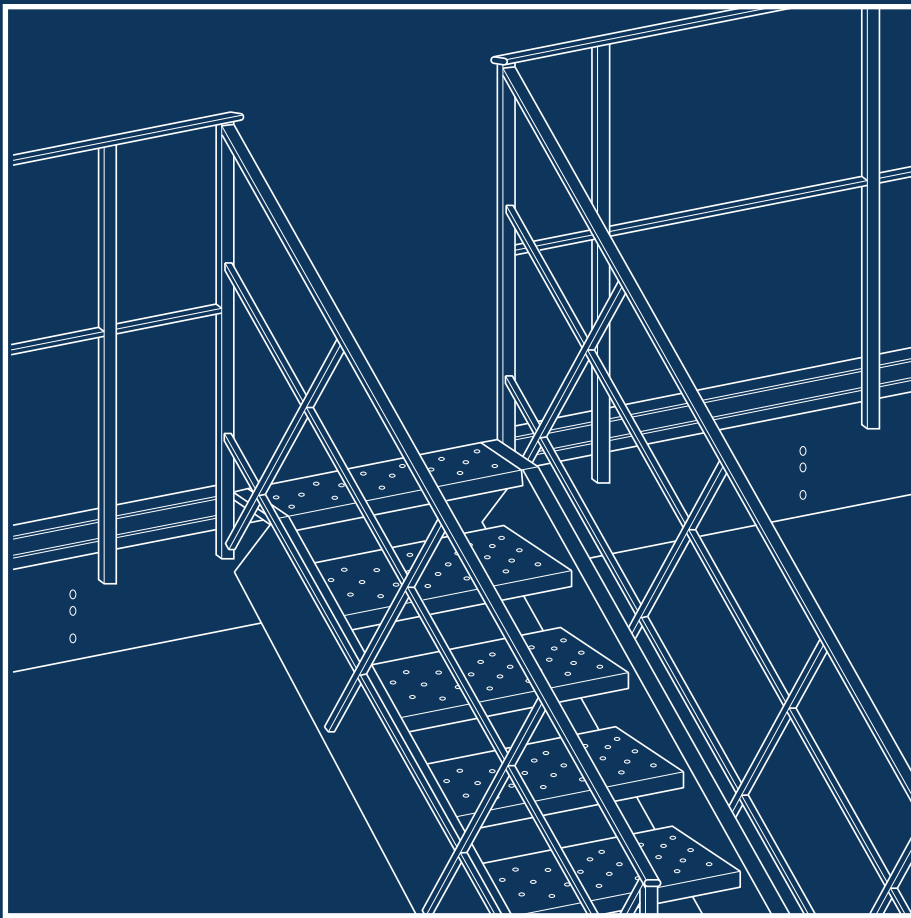
FLOOR

- Mounting of 19 mm chipboard (fig. A.1) on corrugated sheet steel (fig. A.2) screwed to the main and secondary beams
- Sheet steel integrated in the beam (fig. A.3)



(fig. A.3)

- Sheet steel integrated in the supporting beams



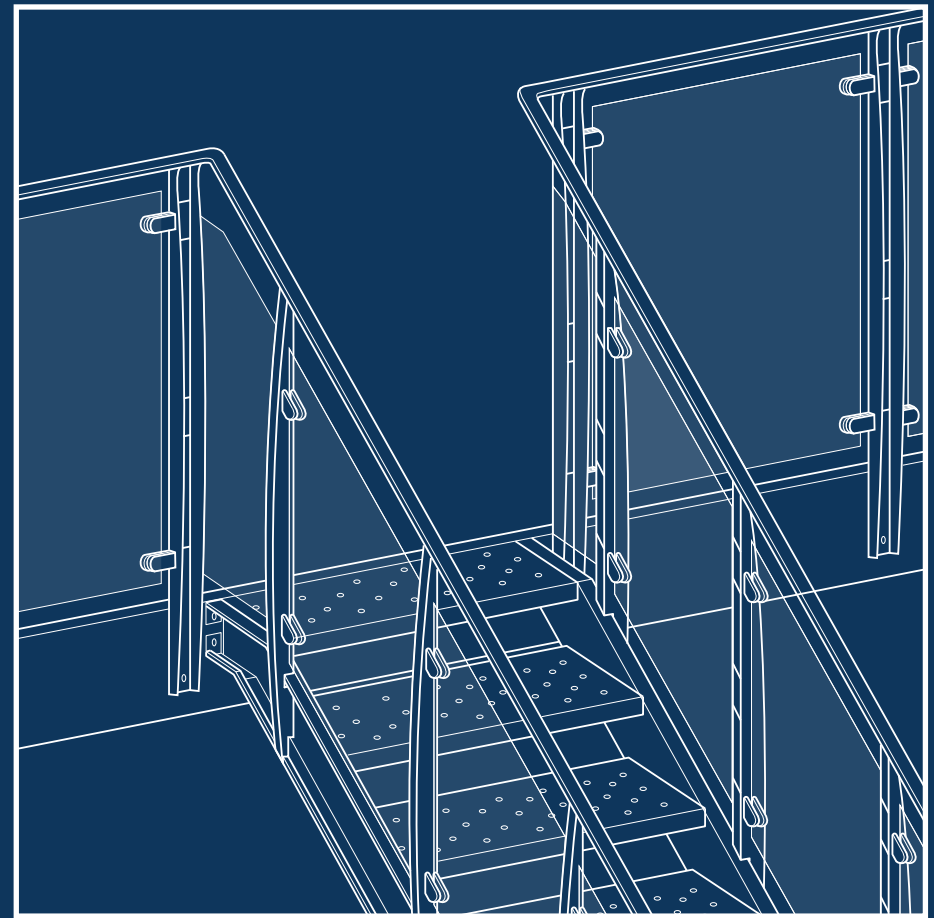
COMPOSITION – STAIRCASE/HANDRAIL 1

STAIRCASE

- 35°, 38° or 45° angle
- Useful width 600, 800, 1000 or 1200 mm
- Overall width 780, 980, 1180 or 1380 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Staircase handrail bolted to the stringer for increased stability
- Continuity between the two handrails (staircase and safety rail)
- Reinforced stair nosing for better user comfort
- Optional intermediate landing for stairs in two flights

HANDRAIL

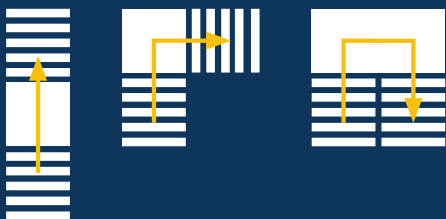
- Upright surface-mounted on the beam (beams factory-pre-drilled)
- Height 1100 mm with handrail in Ø20 mm tubing
- Intermediate baseboard height 150 mm
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015
- Modern design maximising the useful surface area of the mezzanine
- Handrail in 48 mm oval tube for better grip
- Supplied as starter and add-on modules for quick assembly



PUBLIC BUILDINGS OPTION STAIRCASE/HANDRAIL 2

STAIRCASE/HANDRAIL

- **NF EN ISO** The documentary analysis of the safety rail components on the mezzanine and the staircase was performed in accordance with standards NF P01-012 and NF P01-013



OPTIONS

AND CUSTOM FEATURES

Depending on the usage and requirements, the mezzanine range can be supplemented with technical features developed to meet the specific needs of each site, as well as a range of accessories.





CUSTOM FEATURES

LEGEND

STOCK

Available with
Mezzaman Stock

SMART

Available with
Mezzaman Smart

OFFICE

Available with
Mezzaman Office



CANTILEVER

STOCK

Designed to circumvent an obstacle at height, such as a fire protection system, building upright, machine, etc. with "half-beams" up to 500 mm long. These can be used to cover a corridor or a part of the mezzanine surface with cantilevers of up to 2 metres.



BIAIS

STOCK

Recommended to fit the structure of the building regardless of the angle to maximise the available surface area.



RECEPTION LANDING

Designed and installed to receive a staircase offset from the structure or for configurations requiring a 2-flight staircase.

AVAILABLE OPTIONS



SAFETY GATE

STOCK

OFFICE

- A safe and effective system for handling pallets above ground level
- Keeps people away from the gap
- Fully compatible with safety rails
- **NF EN ISO** NF EN ISO 14122-1 to 3 and NF E 85-015 and machinery directive 98/37/EC (standards EN292, EN954, EN1050)



GATE WITH HYDRAULIC RAMS

STOCK

OFFICE

- Ideal for bringing a pallet to the mezzanine and ensuring user safety
- The doors close automatically using two hydraulic rams



UNLOADING PLATE

STOCK

OFFICE

- Protects the ground when unloading pallets
- Anti-slip perforated sheet metal plate with front edge protection



ADJUSTABLE BEAM

STOCK

OFFICE

SMART

- Designed to fully optimise the surface area used by the mezzanine on difficult terrain
- Adjustable in increments of 50 mm up to 400 mm



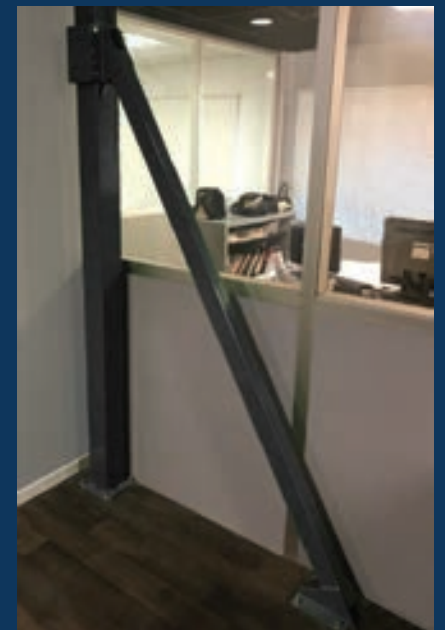
UPRIGHT PROTECTION

- Protects the mezzanine from trolley impacts
- Prevents weakening of the structure
- Complies with the FEM 10.2.02 recommendation
- Mandatory if vehicles travel under the mezzanine

STOCK

SMART

OFFICE



LOAD STRUT

- Alternative to the cross-brace to enable free movement between the mezzanine uprights

STOCK

SMART

OFFICE

CUSTOM

The solutions featured in this catalogue represent a small selection of products. Thanks to its design office, ManOrga can custom design products to meet the user's needs.

We understand that specific requirements are becoming increasingly common. Product managers, R&D and the design office work together with the network of distributors and their field teams to design unique products for one-off applications. Aside from technical and dimensional constraints, the only limit is the imagination of each individual involved in the project...

SAFETY AND COMFORT

ManOrga installations are calculated and designed in accordance with the EUROCODE III standard and the FEM 10.2.02 recommendations.

The tests and calculation methods are certified by the NORISKO/DEKRA technical control centres. The standards and recommendations are used to validate the product manufacture in accordance with the defined design and strength criteria.



MANUFACTURE

Strength, safety and looks are the three mainstays of ManOrga's product quality commitment.

DELIVERY

ManOrga offers an efficient delivery service as part of its global commitment.

Mezzanine delivery time 2 to 3 weeks (can be reduced if necessary) after receipt of order with final design.

COLOUR IDENTITY

The ManOrga colour chart shows the various RAL colours available for the MEZZAMAN mezzanine range.



RAL 1013



RAL 1028



RAL 2004



RAL 3000



RAL 5010



RAL 5015



RAL 5018



RAL 6011



RAL 7035



RAL 9005



RAL 9006



RAL 9010



RAL 7024

STANDARD COLOUR

MANORGA

THE PERMANENT INNOVATION

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