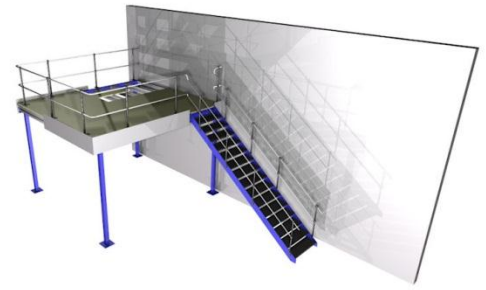


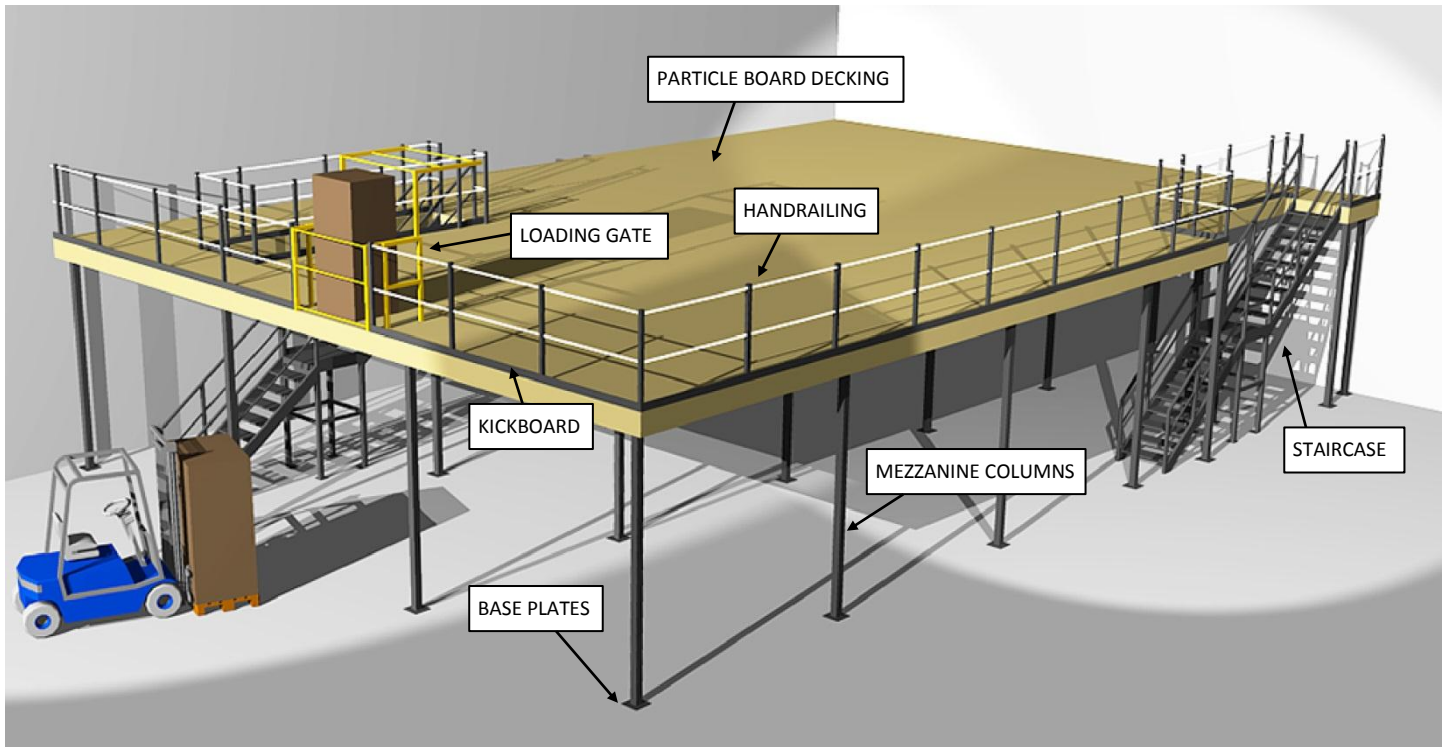
STORAGE DESIGNS

STORAGE MEZZANINE BUYERS GUIDE



A mezzanine floor for storage is a bespoke structural second floor, free standing and offers the opportunity to increase your available storage space within your existing premises.

BASIC COMPONENTS OF A MEZZANINE FLOOR FOR STORAGE

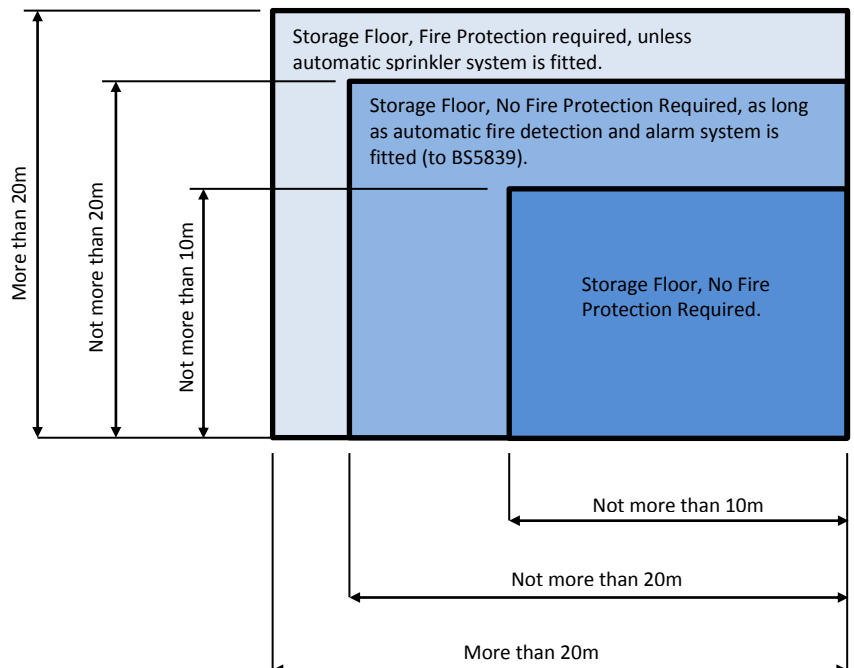


Important information required is the length, width and height of the floor as well as the number the staircases and amount of handrailing and gates required. Loading capacity of the structure should also be an important consideration depending on whether it is light, medium or heavy storage.

BUILDING REGULATION CONSIDERATIONS

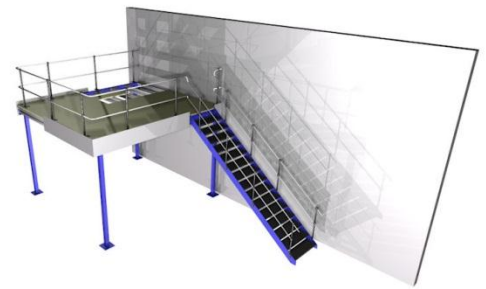
Under the latest building regulations approved documents, any storage floor that is more than 20m in either the length or width requires protecting from fire. This is usually achieved via a suspended ceiling below the floor structure and fire proof casings to the mezzanine columns.

In addition to this, if the mezzanine area takes up more than 50% of the compartment it is going into then the floor would also need fire protecting regardless of its size.

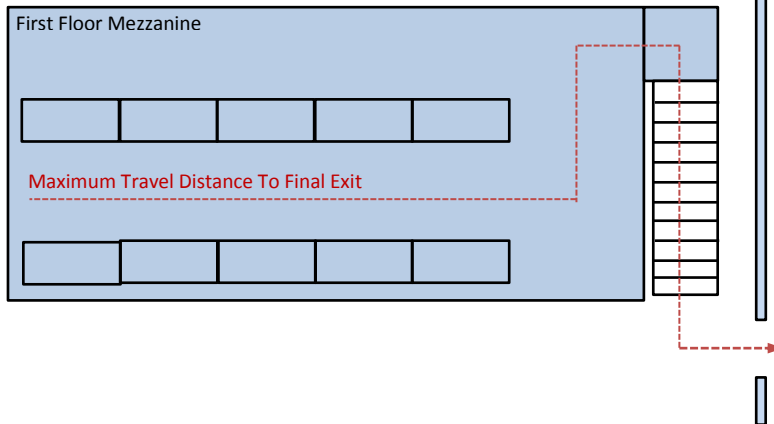


STORAGE DESIGNS

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Travel Distances



When calculating your total travel distance the direct line of travel is not always achievable so allowance should be made for any shelving or fixed items.

The maximum distance when only one direction of travel is available (one staircase) is 25 metres. When more than one directional of travel is available (2 or more staircases) the maximum travel distance in any direction increases to 45 metres.

FLOOR LOADING CAPACITY

USAGE	KN/sqm	Kg/sqm	LB/sqft	Tonnes/sqm
General Storage	4.80	480	100	0.48
Medium Storage	7.20	720	150	0.72
Heavy Storage	9.60	960	200	0.96

*Storage loadings are based on a vertical storage height of 2.0 metres, loading should increase as storage height increases.

STAIRCASES

The minimum width of a fire escape staircase is 800mm. Handrailing to staircases should be 900mm vertical height. As a rough guide to calculate the plan length of a staircase, multiply the height by 1.35.

MEZZANINE PERIMETER HANDRAILING

Perimeter handrailing should be 1100mm vertical height from the top of the decking. Although not specified in the building regulations, health and safety guidelines require a perimeter kickboard fitted, ideally 100mm high or more to prevent smaller objects falling off the mezzanine.

*This guide provides the basic information for a storage mezzanine, but is not exhaustive. Specific design and guidance should be sort from Storage Designs when deciding on a mezzanine floor.

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