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mezzanine floors

YOUR PLATFORM FOR FUTURE GROWTH



Case Study

Coventry Project for ASDA Living

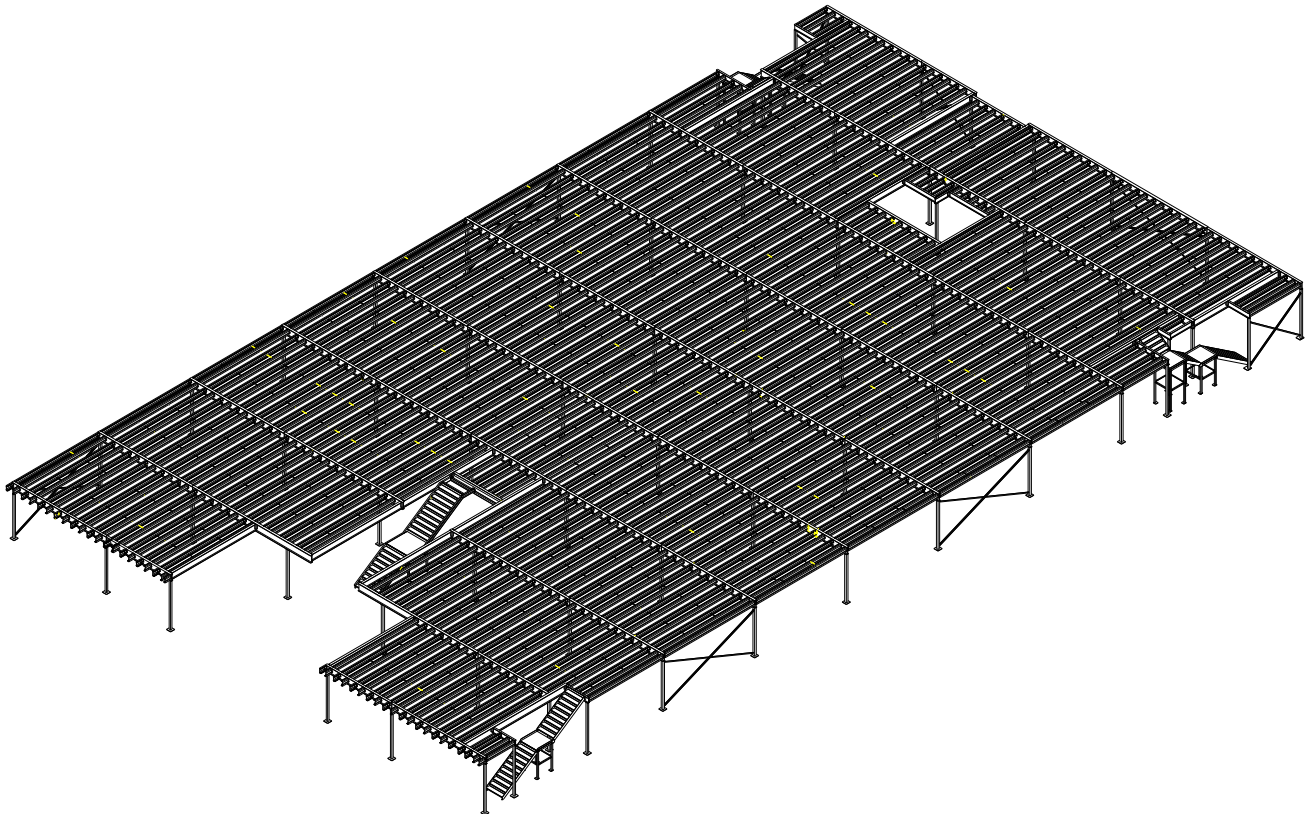


for



Our ASDA Living stores bring you style and value across all of ASDA's non-food ranges – with 23,000 products available across George clothing, home-ware, electrical, health and beauty, music and video, toys and baby.

In many ASDA Living stores you'll also find a Café Ritazza coffee shop to help you relax after a hard day shopping.



3D View

Platform Size	: 60.300m x 35.000m
Height	: 3.500m to the topside
Construction Depth	: 495mm (giving free height 3.005m below the mezzanine)
Decking	: 38mm Particle Board (TG2, Grade C, standard type P6) on 600mm Purlin centres <u>Over boarding and vinyl sheet by others</u>

- Loads : Imposed load - 5.000 kN/m² U.D.L. plus
 Dead load (mezzanine self weight) - 0.350 kN/m² U.D.L. plus
 Service load - 0.250 kN/m² U.D.L.
 (Fire-rating service loads have been included.)
- Deflection : All steel members have been designed with a maximum deflection of L/360 in accordance with the requirements of BS5950 Part 1 : 2000
- Base Plates : 250mm x 250mm x 10mm thick base plates
- Column Loads : Estimated maximum axial load 261kN (un-factored) to floor slab
- Staircases : 3 no., 1200mm wide as part M of building regulations, except 32mm diameter standard tubular, hand and knee rail. Steel construction with chequer plate closed back treads and identifiable nosings.
- Landings (Part K) : 5 no., 1200mm x 1200mm, steel construction with chequer plate covers.
- Landings (Part M) : 1 no., 1500mm x 1500mm, steel construction with plain plate covers.
 1 no., 1500mm wide as part M of building regulations. Steel construction with plain plate closed back treads. Tread finishes by others.
- Surface Finishes : Main steel - shot-blasted and primed
 Decking - natural
 Deck-beams and handrails - galvanised.
 Handrail posts, stair treads - black powder coated.
- Site Management : We have included for a full-time working supervisor. We have not included for a separate site manager, although this service could be provided if required at additional cost.
- Balustrading : Vertical balustrade posts comprising of 48.3mm diameter, satin finish, 304 grade stainless steel complete with stainless steel patch fittings securing 10mm clear toughened glass infill. The posts being floor mounted on baseplates with stainless steel covers. The handrail being formed from 42.8mm diameter, satin finish, stainless steel complete with connections to posts and corners.
 1 no. run of 1600mm high balustrade 14.1m long complete with 2 no. 90° corners and a wall abutment.
 1 no. run of 1100mm high balustrade 6m long.
 1 no. run of 1100mm high balustrade 20.1m long complete with 2 no. 90° corners and a wall abutment.

