



Case Study

Loughborough Project for Loughborough University



Loughborough University's single-site campus has been around for 100 years+. It boasts outstanding sporting achievement, internationally acclaimed research and outstanding teaching quality and won the Sunday Times 2008/2009 University of the Year award.

Loughborough University project they wanted to expand their existing James France office building, used as an innovation centre and for sports, exercise and health sciences (amongst other things), they appointed one of Davicon's Distributors to project manage the whole project. Davicon worked for the distributor to supply the following system.



For the base platform, the trader chose a 300m² Davicon office mezzanine floor with staircase.

Platform Size	: 21.891m x 11.024m + 15.425m x 4.600m								
Height	: 2.430m to the topside								
Construction Depth	: 343mm (giving free height 1.782m below the mezzanine)								
Decking	: 38mm Particle Board (TG2, Grade C, moisture resistant P5)								
Loads	: <table> <tr> <td>Imposed load -</td><td>3.000 kN/m² U.D.L. plus</td></tr> <tr> <td>Dead load (mezzanine self weight) -</td><td>0.250 kN/m² U.D.L. plus</td></tr> <tr> <td>Service load -</td><td>0.250 kN/m² U.D.L.</td></tr> <tr> <td colspan="2">(Fire-rating service loads have been included.)</td></tr> </table>	Imposed load -	3.000 kN/m ² U.D.L. plus	Dead load (mezzanine self weight) -	0.250 kN/m ² U.D.L. plus	Service load -	0.250 kN/m ² U.D.L.	(Fire-rating service loads have been included.)	
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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	: 300mm x 300mm x 12mm								
Surface Finishes	: <table> <tr> <td>Main steel -</td><td>shot-blasted and primed</td></tr> <tr> <td>Decking -</td><td>natural</td></tr> <tr> <td>Deck-beams and handrails -</td><td>galvanized</td></tr> <tr> <td>Handrail posts, stair treads -</td><td>black powder coated</td></tr> </table>	Main steel -	shot-blasted and primed	Decking -	natural	Deck-beams and handrails -	galvanized	Handrail posts, stair treads -	black powder coated
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