



STRUCTURAL AND EVENT ENGINEERS

delivering safe, buildable design since 1996

- Theatres
- Events and Temporary Structures
- Airport Concessions
- Structural Engineering & Surveys

Our Approach to Specialist Structural Engineering

MJ Consulting Engineers provides structural and civil engineering support across theatres, live events, airport concessions, commercial fit-outs, and building structures.

Our work is built on technical accuracy, clear communication, and a practical understanding of how permanent and temporary structures perform. We assist clients from feasibility to construction, delivering safe, efficient, and buildable solutions that align with programme and operational needs.

Across every sector, we work closely with designers, contractors, and stakeholders to ensure outcomes that are robust, compliant, and seamlessly integrated.



Integrated Structural Design

Complete structural and civil engineering input from feasibility and scheme design through to detailed construction packages.



Structural Surveys & Assessments

Condition surveys, structural inspections, and assessments tailored for commercial, retail, aviation, and public buildings.



Temporary & Event Structures

Engineering for stages, sets, rigging points, back-of-house structures, and temporary public spaces, ensuring safety and compliance.



Airport Concession Engineering

Structural design and coordination for retail units, kiosks, ceilings, support frames and back-of-house works within live airport environments.



Reconfiguration & Fit-Out Support

Engineering advice for new openings, alterations, mezzanines, and internal layout changes across commercial and performance spaces.

Our Role Across Your Projects

MJ Consulting Engineers provides structural insight at all stages, including:

Structural assessments, surveys, and feasibility studies

Design of temporary works and safe access solutions

Engineering for rapid deployment structures and modular builds

Design coordination for complex staged works in live environments

Technical drawings, calculations, and design certification

Why choose MJC

- ✓ Extensive experience across theatres, live events, airports & commercial buildings
- ✓ End-to-end involvement from feasibility to installation
- ✓ Proven track record delivering safe, buildable, and compliant designs
- ✓ A practical, collaborative approach shaped around real-world constraints

Shaftesbury Theatre Basement Extension

Theatre

MJC are pleased to have completed complex basement alterations for the Grade II listed Shaftesbury Theatre in London's West End.

As part of a major extension, these works create grander hospitality areas and significantly improve audience circulation. Our comprehensive structural analysis delivered a seamless excavation beneath the historic fabric and surrounding pavements, ensuring the new design is perfectly compatible with the theatre above.



Key Outcomes:

Basement excavation beneath theatre and pavement
Creation of flexible, grander hospitality areas

Improved audience circulation and front-of-house flow
Structural integration with historic Grade II fabric



Leeds Grand Theatre Roof

Theatre

MJC are pleased to have served as lead consultants on the sensitive restoration of the Leeds Grand Theatre, home to one of the UK's most highly protected plaster ceilings.

Navigating the extraordinary constraints of this Grade II listed building, we designed a bespoke over-roof structure that allowed essential roof repairs to proceed without disturbing the delicate interior below.

Our role in delivering this complex engineering solution ensured full compliance with heritage regulations while maintaining safe access, securing the long-term preservation of this iconic performance space.

J2 Festival Temporary Stage Structures

Live Events

MJC are pleased to have completed complex basement alterations for the Grade II listed Shaftesbury Theatre in London's West End.

As part of a major extension, these works create grander hospitality areas and significantly improve audience circulation. Our comprehensive structural analysis delivered a seamless excavation beneath the historic fabric and surrounding pavements, ensuring the new design is perfectly compatible with the theatre above.



Key Outcomes:

Comprehensive structural design reviews for all stages
 Bespoke foundation design with secure ballast solutions

Rigorous load assessments and wind exposure analysis
 On-site supervision ensuring full construction compliance



Gladiators TV Set

Live Events

MJ Consulting Engineers provided the structural design for the BBC's Gladiators set at Sheffield Arena – including the elevated catwalk and full set support structure.

From crowd safety to performer access, our engineers ensured every element stood strong under pressure (and under the spotlight).

With offices in London and Manchester, MJC has been quietly shaping the UK's live entertainment scene since 1996 – from stadiums and theatres to headline TV productions.

Monty's All Day Diner at Liverpool John Lennon Airport

Airport Retail

MJC are proud to have supported the structural engineering for Monty's All Day Diner, now open in Liverpool John Lennon Airport.

Part of the airport's £9 million redevelopment, Monty's blends classic 1950s diner style with a modern, welcoming space for almost 200 passengers.



Key Outcomes:

Signature neon and mirrored details

Safe delivery in active terminals

Structural support for flexible seating

Efficient design for high-traffic zones



Pandora Store London Gatwick

Airport Retail

We're proud to have contributed to the structural engineering behind Pandora's first London airport store, now open in Gatwick's South Terminal.

As part of the £7.5 million refurbishment of the South Terminal departure lounge, this new store - features Pandora's full range of jewellery, including travel-inspired charms, the 'Best of British' collection, and onsite engraving for a personalised finishing touch.

Our role in delivering the structural design has enabled Pandora to create an environment that is both elegant and functional, in line with high standards for safety, accessibility, and passenger flow.

The Former Cliff Hotel, Salford

Conservation

Once a proud example of late 19th-century Gothic revival architecture, the Former Cliff Hotel now sits on the national 'at risk' register - a structure both vulnerable and significant.

MJC was appointed to carry out a detailed structural assessment, identifying deterioration and instability across the existing fabric.

Our investigation supports ongoing regeneration plans, ensuring that restoration efforts are safe, informed, and structurally viable.



Key Outcomes:

Detailed structural condition survey
Stability analysis for retained façades

Recommendations for repair and retrofit
Advice on temporary works and safe access



St Mary's Lodge, Stoke Newington, London

Conservation

Once derelict and structurally unstable, this Grade II listed Victorian villa has been brought back to life through careful engineering and conservation collaboration.

MJC undertook structural design for the redevelopment, including roof and wall stabilisation, underpinning, and floor strengthening to meet modern loading requirements.

Our role balanced structural performance with heritage preservation, supporting long-term resilience and sustainability.



Trusted by Theatres, Airports and Production Teams Nationwide

Get in touch with MJC team- from listed venues to fast-paced retail fit-outs, MJC provides structural support where timing, precision and delivery matter most.

London Office

4 Bedlam Mews,
Lambeth,
London,
SE11 6DF
0207 139 5005

Manchester Office

204 Bolton Road,
Worsley,
Manchester,
M28 3BN
0161 790 4404

info@mjconsulting.co.uk

