

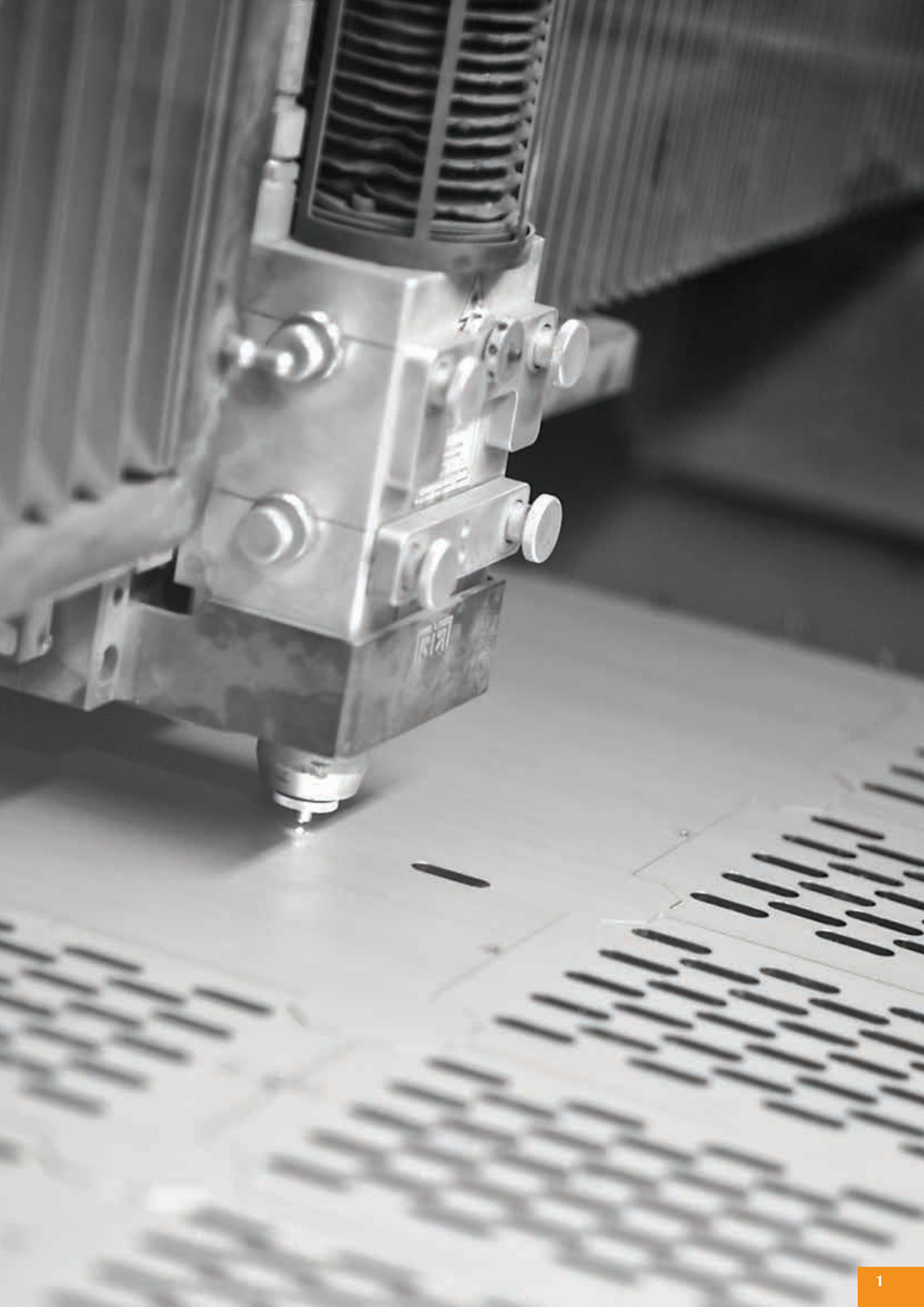
CANAL Architectural has a wealth of experience with bespoke architectural metalwork in residential and commercial environments. With a reputation for design innovation, CANAL ensures every project conforms to the latest standards and regulations before production.

CANAL prides itself on the flexibility, skill base and a professional approach that is delivered from the initial concept through to the completion on all projects.

Boasting a large manufacturing facility in Nottingham, UK, CANAL can manufacture, fabricate and perform installation tests before any onsite installation, which is conducted by their very own installation teams.

Working throughout the UK and abroad, this brochure is a taste of just some of the many projects CANAL is proud to be associated with.







RESIDENTIAL

KNOLLMEAD

CANAL design all their architectural structures to complement a client's requirements. The Knollmead project is an excellent example of the many staircases CANAL has created using their trade mark central spine concept. The Italian broken glass treads add to the light and spacious effect.

Materials:

stainless steel

Italian broken glass

stainless steel cable





JJB SPORT

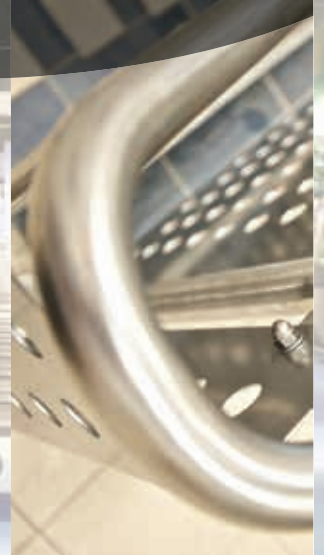
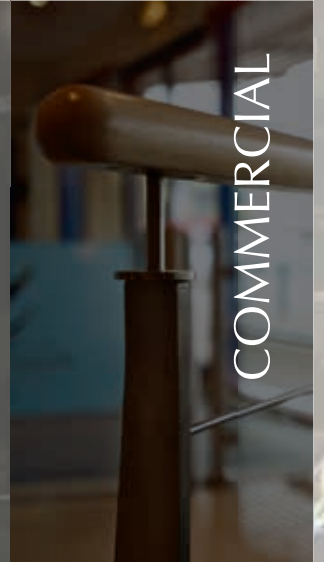
CANAL has been involved in numerous installations around the country on the stunning gymnasium and retail outlets for JJB Sport.

This installation included the foyer balustrade, staircase, gym dais and handrails combined with various materials and finishes to complement the futuristic surroundings and sporting brand.

Materials:

stainless steel

powder coated mild steel



COMMERCIAL

FLINT MILL

Flint Mill has a unique helical staircase supported by a single central box-section stringer, which was formed by rolling and fully welding laser cut mild steel plate. This method not only gave rigidity to the stair but also provided housing for the electric cable for the LED lighting.

The Italian broken glass treads were fully housed in a stainless steel support finished with toughened radius glass infill panels to produce this stunning staircase.

Materials:

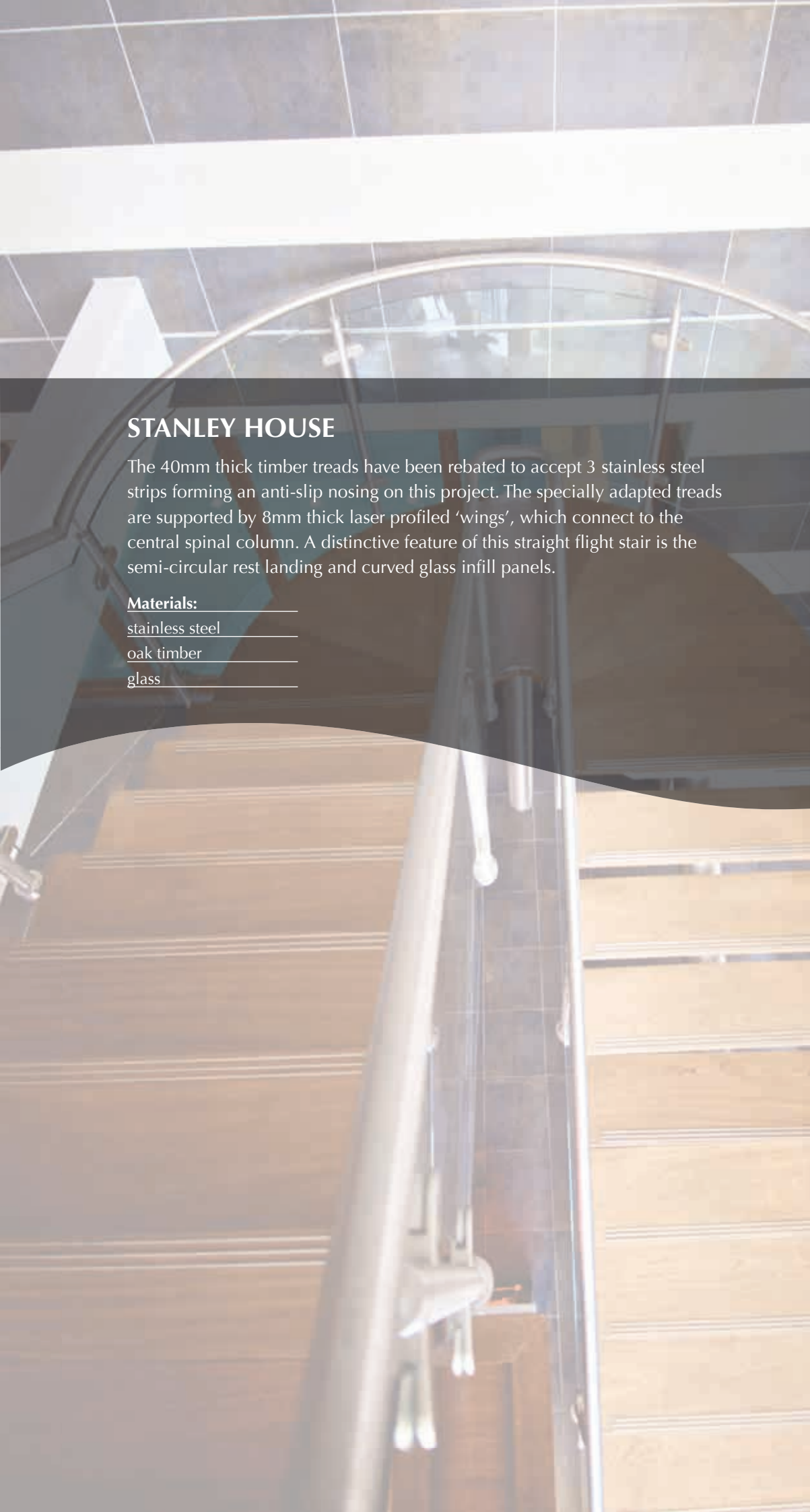
stainless steel

powder coated mild steel

glass and lighting







STANLEY HOUSE

The 40mm thick timber treads have been rebated to accept 3 stainless steel strips forming an anti-slip nosing on this project. The specially adapted treads are supported by 8mm thick laser profiled 'wings', which connect to the central spinal column. A distinctive feature of this straight flight stair is the semi-circular rest landing and curved glass infill panels.

Materials:

stainless steel

oak timber

glass



COMMERCIAL

QUEENS MEDICAL CENTRE (TDC)

Within the impressive atrium, CANAL manufactured and installed a straight flight staircase and a double 'piggy back' style free standing stair, along with 150 meters of contemporary balustrade.

The 10mm thick double profiled fin baluster design gives the balustrade its distinctive look.

The staircases were primarily constructed in powder coated mild steel with the underside of the stairs being fully enclosed. The treads and landings were concrete filled and finished in hardwood timber.

Materials:

Stainless steel

powder coated mild steel

glass and timber









PORSCHE

The feature staircase for Porsche has been one of many car showrooms utilising the CANAL Architectural approach to bespoke designs. A simple yet stylish stair using 32mm thick sand blasted glass treads supported by the central landing post and flat external stringers.

The balustrade to the stair and office space was fabricated from satin polished stainless steel and was fully assembled on site by the CANAL installation team.

Materials:

stainless steel

powder coated mild steel

sandblasted glass

COMMERCIAL

PRECISION









ABINGDON ROAD

The installation at Abingdon Road demonstrates a dramatic impact from all aspects of the residence, especially as you enter through the front entrance.

There was a challenging installation over three flights, with limited working room and access. The solid walnut treads support the glass panels finished with bespoke handrail, which was manufactured to the architects' vision.

A rectangular stainless steel central spine construction combines a stylish main structural element with the natural walnut finish.

The only visible fixings are the stainless steel machined glass clamp screws. Great care was taken in the early stages to first fix all structural supports and avoid any visible signs of a mechanical fitting for a flawless finish.

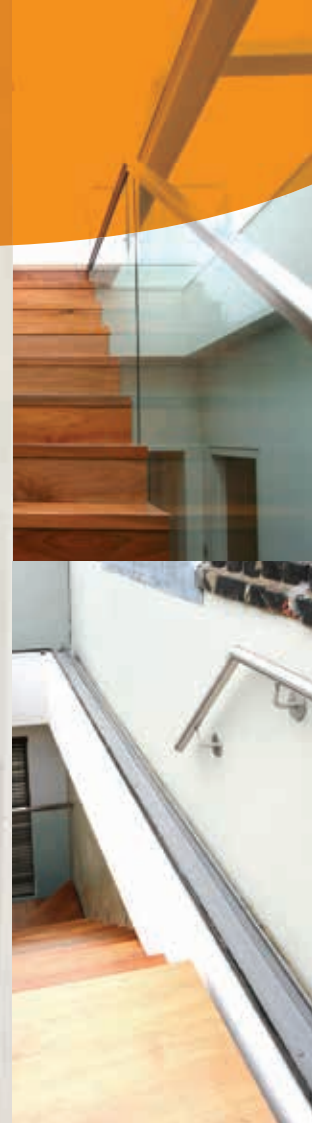
Materials:

stainless steel

walnut and glass



RESIDENTIAL





RESIDENTIAL

MAPSTONE FARM

Mapstone Farm is an excellent example of the many stairs CANAL has created displaying a lightweight appearance yet solid in construction.

In these corrosive environments all stainless steel components were constructed from type 316 stainless steel.

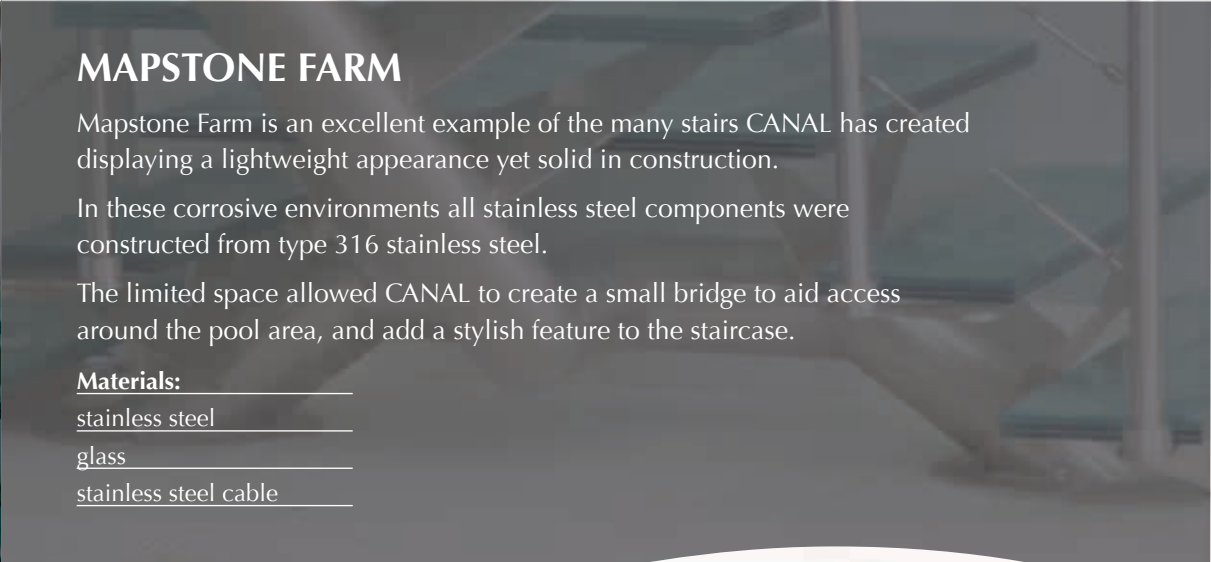
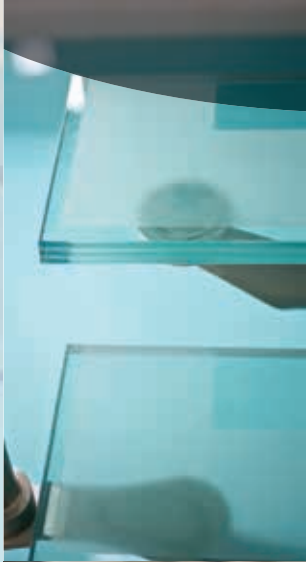
The limited space allowed CANAL to create a small bridge to aid access around the pool area, and add a stylish feature to the staircase.

Materials:

stainless steel

glass

stainless steel cable









HESCO BASTION

CANAL has an open approach with clients enabling them to create many bespoke designs and features specific to their own business.

The laser cut infill panels used in this project can be manufactured in various materials, colours and designs thus creating original appearances for any staircase CANAL installs.

Materials:

stainless steel

glass

COMMERCIAL

COMMERCIAL

DAVID WILSON LIBRARY

This balustrade project is a great example of how structural glass and handrail can look modern and in keeping with its surrounding environment.

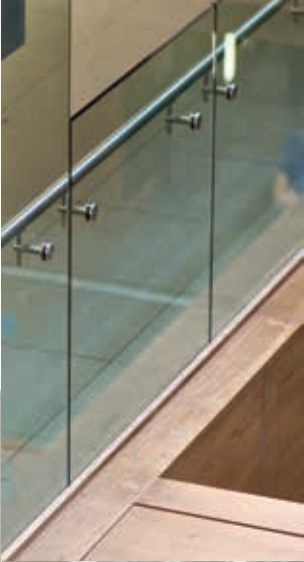
The planning at the early stages was paramount to the success of the installation. The first fix of the structural elements culminates in clean lines with no sight of any fixings.

The 25mm thick glass balustrade has a stainless steel handrail fitted in pre-drilled holes at regulation height.

Materials:

stainless steel

glass









WEMBOROUGH ROAD

This small, but challenging, project required the manufacture and installation of a balustrade directed by the client's original design.

The tight radius glass balustrade combined with the handrail was taking manufacturing tolerances to their limits, but CANAL is always looking for the next challenge to produce a stunning one-off project.

Materials:

stainless steel

glass



RESIDENTIAL



DROPMORE PARK

These modern apartments are all individual and exclusive designs for clients who demand high standards.

The straight flight stair leads to a suspended steel framed landing enclosed with 15mm structural glass balustrade.

The staircase was formed in stainless steel and then skinned over with a stained hardwood. The internal face of the stringers was left exposed as satin polished stainless steel and the risers infilled by a single 16mm diameter stainless steel polished rod.

Materials:

stainless steel

stained hardwood

glass



CRAFTSMANSHIP







DAVID WILSON LIBRARY

This impressive staircase gives a modern touch to a refurbished university library.

Structural glass and stainless steel handrail work well together with the standard functional painted steel stair.

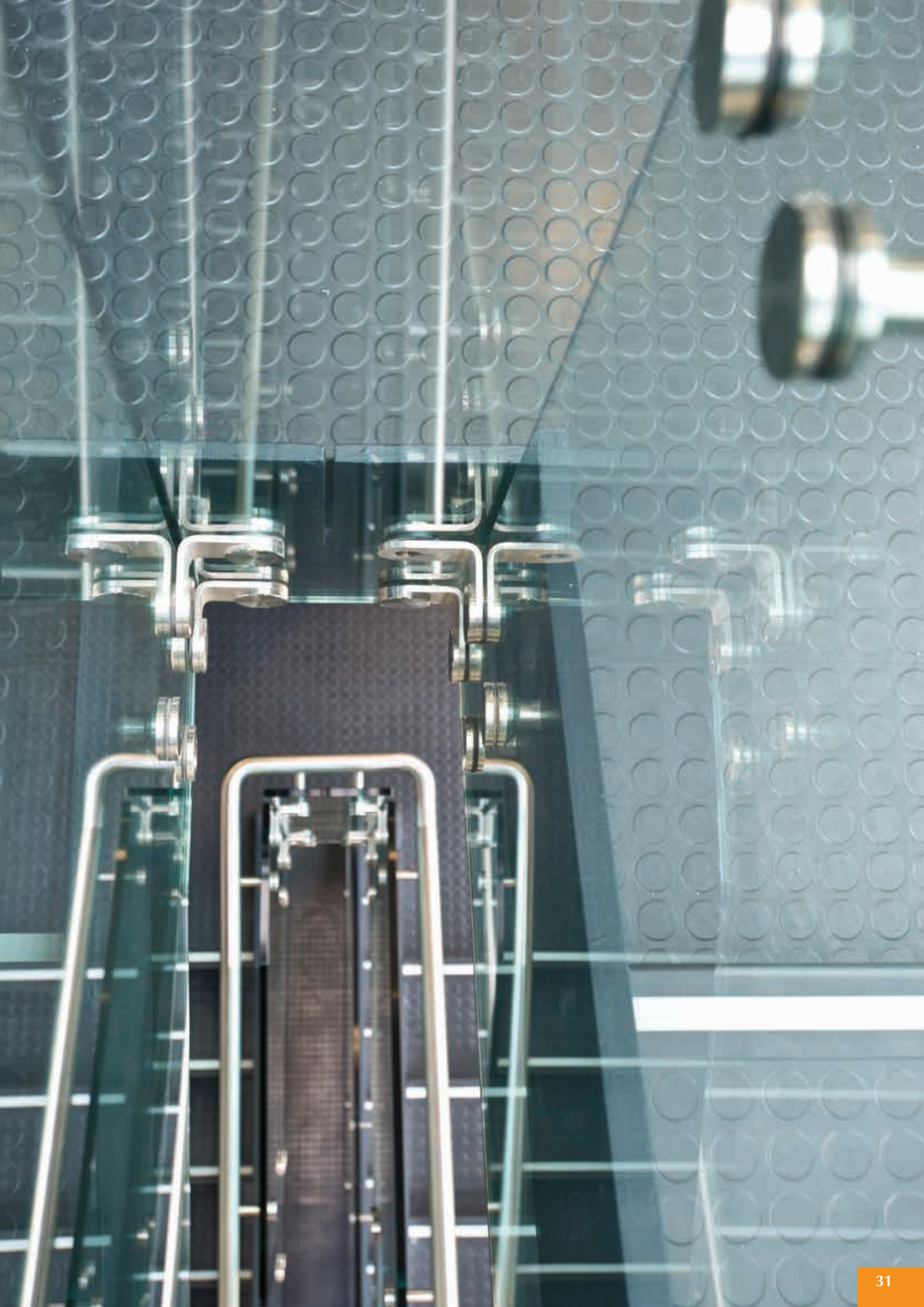
All of the architectural metalwork was detailed, manufactured, installed and managed by the CANAL team giving a turnkey service.

Materials:

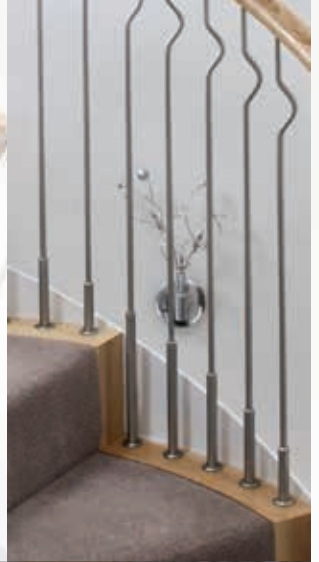
stainless steel

glass









ASH RIDGE

This staircase has become a major feature to the third floor extension at this prestigious property. The design brief demanded a fully cantilevered landing and part helical staircase with no visible fixings or supports.

CANAL was able to achieve this floating stair by fully welding the stringers, treads and landing structure on site.

The balustrade consists of individual formed bars with a wooden handrail and hardwood inlay treads.

Materials:

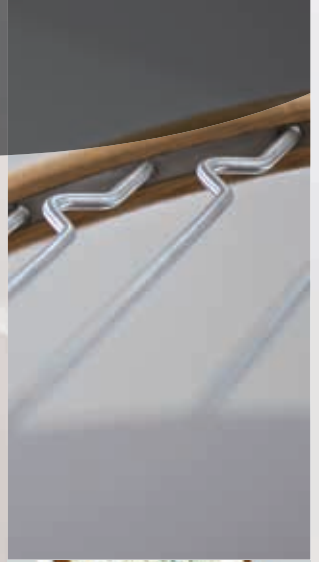
stainless steel

mild steel

oak



COMMERCIAL



VUE @ THE O2 ARENA

This art deco staircase is the main entrance to the multiplex cinema in this world famous venue.

The fan design is a bespoke art deco feature of the O2 Arena with a chocolate brown powder coated finish.

This stair was part of a large contract carried out at the O2 Arena by CANAL Architectural, which includes various handrail, stairs, balustrades and structural steelwork supporting TV screens and fascias.

Materials:

stainless steel

mild steel







DROPMORE PARK

These modern apartments are all individual and exclusive designs for clients who demand high standards.

The double flight stair and landing leads to a luxury master bedroom enclosed with 15mm structural glass balustrade.

These apartments offer each client the unique opportunity to create a staircase of their choice when specifying the final fit out.

Materials:

stainless steel

glass



RESIDENTIAL



O2 ARENA

More examples of the numerous handrails, balustrades and features throughout the newly refurbished Arena in London.

Various finishes were used in the Arena including powder coating, polished stainless steel and polished brass.

The new internal regeneration has transformed the Arena into a leading leisure attraction and venue for major concerts and sporting events in the UK.

Materials:

stainless steel

mild steel



STRUCTURE





ST 2011 25

ALUMINIUM DURBAR

adlco

ST 2007

ALUMINIUM DURBAR OFF CUTS ONLY



MADE IN BRITAIN

From concept to completion, our philosophy is based on offering clients the very best technical solution for every project; always making sure the integrity of the original design concept is preserved.

CONCEPT

Our heritage is in steel, but today we work with many modern metals and other materials to realise the possibilities of a design idea: Your vision translated to materials and structure seamlessly.

DESIGN DEVELOPMENT

To aid your design process our structural calculations and engineering drawings will ensure the result is magnificent, as well as structurally sound and compliant with building regulations.

MANUFACTURE

Visit our workshop and you'll see for yourself the transition from drawing to structure that truly demonstrates the expertise that is CANAL Architectural.

INSTALLATION

Once under construction, CANAL will undertake project management, liaise with other sub-contractors and communicate progress at every step of the journey.

COMPLETION

Our portfolio would be nothing without the support and cooperation of architects, developers and clients for whom project completion is when they are 100% satisfied with their architectural metalwork project.

SET US YOUR CHALLENGE

If your heart is set on your design vision, turn to CANAL; we use our heads to create bold, unique and enviable architectural metalwork that is expertly engineered in Britain:

**Contact our technical sales team; 0115 986 6321,
canal@canalengineering.co.uk.**



| By Canal Engineering Limited

Tel: 0115 986 6321 www.canal.eu.com
Lenton Lane, Nottingham, NG7 2PQ