

BURNHOUSE ENGINEERING

- **Welcome**
- **Please press the F5 key to start**
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- **The slides will change with keyboard and mouse inputs**

BURNHOUSE ENGINEERING

‘ the solutions provider ’

BURNHOUSE ENGINEERING

SPECIALISTS IN

- FABRICATION & WELDING
- DESIGN
- ARCHITECTURAL STEELWORK
- ARTISTIC DESIGN
- PLASMA CUTTING
- PROJECT MANAGEMENT

FABRICATION AND WELDING

- **Scottish National Rock Climbing Centre**
- **12 columns were fabricated to hold up one end of the roof**



FABRICATION AND WELDING



Working closely with the architects to design the section with as little distortion as possible giving the overall appearance of cleaner lines

FABRICATION AND WELDING

Large scale fabrications can be assembled in the workshop



Even larger fabrications can be assembled on site

FABRICATION AND WELDING



The drill rig was 4 tons in weight and was blasted and painted on completion

PROJECT DESIGN

Scottish National Rock Climbing Centre

The stairs were supported by the columns previously fabricated in the work shop and installed on site



PROJECT DESIGN

Large scale fabricated stair and supporting structure, taken by Burnhouse Engineering from architects initial concept, through detail design to completed installation.

The design had to be consistent with the prestigious location.



PROJECT DESIGN

Working closely with our client's to design a shredder and winch that

Improved reliability

Reduce manufacturing cost

Reduced maintenance and skill requirements



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The design was progressed from the original artist concept sketches

The brief was to ensure lowest cost without deviation from the concept. Appropriate materials were used to achieve this.

A full size model panel was built to assist with the complex approval procedure

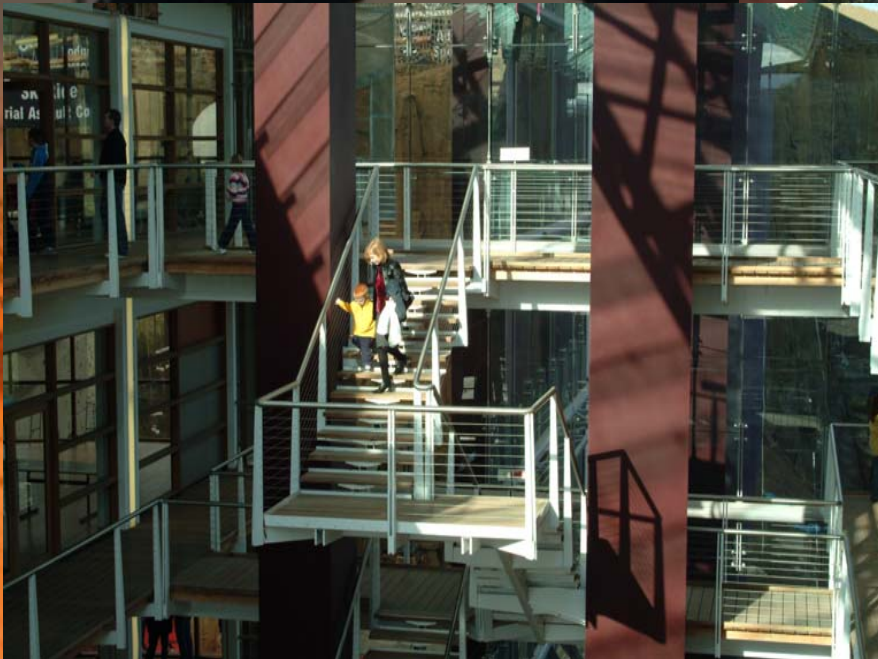
Stainless steel rebar was used with pipe to create 14 different curves (no straight sections) along the edge of the park

STEELWORK

ARCHITECTURAL

STEELWORK

Overcoming the technical challenges of integrating the architectural design with structural integrity





**Management of complex
multi-stage projects**

**Coordinate with
others in partnership
to achieve the
required outcome**



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ARCHITECTURAL

The 'GATEKEEPER'

The artwork was 13m tall with 3
6m long transparency glass panels with
a width of 4 m

The frame around the glass was 1.6m
to create an inspiring depth to the
design

To help with the solving the problems
and creating this wonderful showcase
the company was involved with the
artists from the initial design



ARTISTIC DESIGN



ARTISTIC DESIGN

**Polished Stainless steel
balustrade installed
into an existing wooded
staircase**



**Stainless steel and glass balcony
was created for a private
residence to add a unique
feature to the building**

PLASMA CUTTING



**Any shape drawn on CAD
can be cut from steel,
stainless steel and aluminium**

1 hour service available

Architectural shapes

CAD drawing services



MACHINERY OVERHAUL, INSTALLATION AND REMOVAL



**Project management of equipment
layouts and process operations**

Problem solving

**Assessment and diagnostic of
faulty equipment**

**Maintenance schedule and
implementation**



PROJECT MANAGEMENT

Project management of machinery relocation

Provision of lifting design and equipment



CONTACT DETAILS

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