



eltherington
architectural solutions
Innovation | Performance | Facades

ABERDEEN

EDINBURGH

CI/SfB L519 + L529

Xh4

SUNDERLAND

BELFAST

LIVERPOOL

LEEDS

HULL

MANCHESTER

BIRMINGHAM

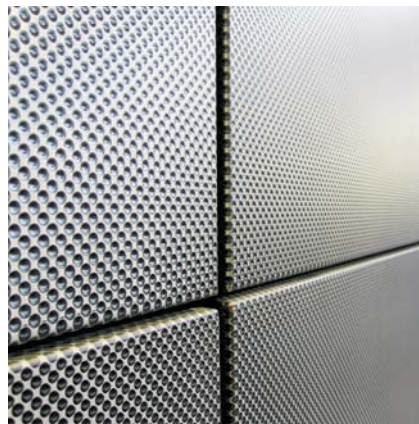
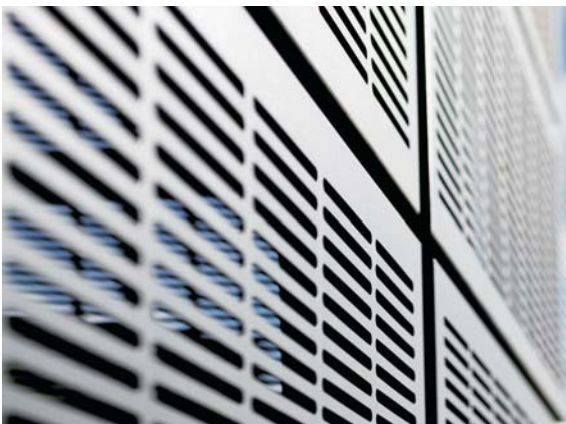
CARDIFF

LONDON

BRISTOL

BRIGHTON

Architectural metalwork solutions for the rail sector



Sector guide

Eltherington - trusted partner to the Rail Sector.

We provide quality architectural metalwork solutions for the rail sector and we have over 56 years experience in manufacturing stainless steel, aluminium, galvanised steel and mild steel products to the highest quality. Our 11 acre UK fabrication hub produces a huge range of products including impact resistant Column casings, Cladding, Skirting, Fascia and Soffit solutions, all to a time served UK manufacturing quality.

Compliance

Our UK-based manufacturing facilities work to exacting tolerances to help you meet Building Regulation requirements. We are proud to be accredited to:

BS EN ISO 9001:2008 - Quality

BS EN ISO 14001:2004 - Environmental

OHSAS 18001:2007 - Health & Safety

Rail Sector Case Studies

London Underground



Architect: Aedas

Project value: £150,000

Solution: Internal cladding

Material and finish:

Rimex blue pearl pattern. 316 / 1.4401 grade stainless.

Scope:

- Cladding – Class O non combustible and Class O surface spread of flame.
- Fascia – Employing a standard joggle detail to marry up to cladding and soffit.
- Soffit – Standard lengths including internal joint strap.

Sunderland Underground



Architects: Reid Jubb Brown

Project value: £85,000

Solution: Column casings

Material and finish:

Rimex product pattern 5WL stainless steel 316 grade inclusive of the Granex surface finish.

Scope:

- U shaped wall column casings.
- Square column / encasement.
- Blue painted bands for each column to comply with DDA regulations.
- Class O non combustible and Class O surface spread of flame.

Leeds Rail Station



Architect: Carey Jones

Project value: £100,000

Solution: Column casings

Material and finish:

Supa-mirror polished stainless steel columns 316 grade.

Scope:

- Full column casing - Supplied as 2 part semi circle each incorporating a secret fix hook on detail.
- Semi circle column casing - Face fixed back to the building and secretly fixed directly to the building.
- 3/4 column casing - Specialised tooling allowed us to supply this in one piece.

Birmingham New Street Station



Architect: AZPML Architects

Project Value: £300,000

Solution: Cladding

Materials and finish:

Polyester Powder Coated textured finish. Stainless steel skirtings.

Scope:

- Aluminium casings.
- Stainless steel skirting.
- Escalator cladding.

Neville Street, Leeds



Architect: Bauman Lyons Architects

Project Value: £50,000

Solution: Roofline

Materials and finish:

Aluminium J57S grade anodised to BS3987. Colours included Anolok 54B and 546.

Scope:

- Anodised bullnose fascia.
- Anodised soffit.
- Straight fascia and soffit perforated panels.

Greater London Underground



Architect: Aedas

Project Value: £30,000

Solution: Cladding

Materials and finish:

Polyester Powder Coated aluminium and Rimex stainless steel.

Scope:

- Cladding with anti drum material
- Roofline bullnose
- Soffit at roofline

Architectural solutions for the rail sector



Perforated panels

Eltherington offers an extensive range of precision perforated fascia and panel solutions for the transport sector. Our perforated solutions are suitable for decorative cladding, column casings, brise soleil and infill panels through to decorative architectural features.



Internal cladding

Our one-stop approach also includes other internal fit-out products that form part of our range such as cable trunking, architectural skirting, window reveals and up-stands.



Cladding

Eltherington manufactures inspirational architectural rainscreen facades. We can produce rainscreen cladding panels, composite panels, acoustic panels and non-combustible panels to name just a few, using a variety of insulation materials to meet regulatory requirements.



Spandrel Panels

Our high performance spandrel panels are seamlessly interchangeable with glazing units in curtain walling systems. They are highly effective at hiding the edges of floor slabs, ceilings and other building elements that would detract from the overall aesthetics of a facade.



Specialist Fabrications

We can create a bespoke fabricated metal solution for your project, including: Mock beams, Air duct panels, Lift shaft panels, Curved aluminium cladding and Fabricated aluminium extrusions.



Column casings

Eltherington column casings are regularly specified for entrances and platforms. Available in a wide choice of materials and finishes, including perforated.



Stockholding

We have a wide range of aluminium and stainless steel products. These include extruded aluminium angle, channel, flat bar & aluminium 5 bar floor/tread plate. We also hold stainless steel sheets in 304 and 316 grades.



Roofline

Eltherington roofline products offer the rail sector the highest standards of performance, aesthetics and durability. Our solutions include, Parapets / copings, Bullnose, Fascia, Soffits, Rainwater/ guttering, Barge boards and Verge flashings.

Projects

Transport Hub	Product
Cross Rail	Pressings
Victoria, London	Display Cladding
Gatwick Airport	Aluminium Extrusions
Sunderland	Column Casings
Leeds	Roofline
Birmingham New Street	Column Casings
Birmingham New Street	Cladding
Elephant & Castle	Cladding
Edinburgh	Extrusions
Toronto	Extrusions
Cannon Street	Curved Cladding
Glasgow	Pressings
Manchester Airport	Cladding

Standards

Product	Standard
Polyester Powder Coat	BS 6494 / 7 & BS EN 12206
Polyester Powder Coat	Qualicoat
PPC SP Plus. Matt, Satin	Underground 2-01001-002
Anodised > 15 Microns	BS 3987
Anodised < 15 Microns	BS EN 12373
Polishing	BS 1134
Aluminium Sheet	BS EN 485
Aluminium Extrusion	BS EN 525, 573 & 755
Stainless Steel	BS EN 304 / 1.4301
Stainless Steel	BS EN 316 / 14401
Fire Rating	BS 476 Non Combustible
Fire Rating	Class O Surface Spread of Flame
Fire Rating	BS EN 13501-1

Rail Sector

Materials and finishes

Aluminium	Finish
Polyester powder coated	Standards
Polyester powder coated	Metallic & textured
Pre-coat	Standards
Pre-coat	Metallic & Chameleon
Anodised	Natural
Anodised	Anolok bronze
Anodised	Anolok black
Anodised	Anolok Blue Grey
Anodised	Anolok gold
Natural plain	Mill finish
Aluminium composite (ACM)	Reynobond
Aluminium	Rimex
Various	Perforated
Various	Slotted

Stainless Steel	Finish
304 / 14301	Satin polished
316 / 14401	Satin polished
Industrial	Shot peened/blasted
Unique	Circular polish
Natural plain	2B mill finish
Pattern	Rimex
Industrial	Granex
Arcelor Mittal	Uginox TT
Various	Perforated
Various	Slotted

Steel	Finish
Galvanised	PPC
Galvanised natural plain	Mill finish
Zinc	PPC
Zinc natural plain	Mill finish
Pre-coat	Dobel Plastisol
Mild steel	PPC
Corten steel natural plain	Mill finish
Various	Perforated
Various	Slotted

Other	Finish
Rimex Colourtex	Various
Rimex S/S Vortex	Various
Copper natural plain	Mill finish
Aluminium pre-coat Reynolux	Various
Zinc material	Mill finish
Aluminium pre-coat zinc	Grey
Aluminium pre-coat FF2	PVDF coated
Brass	Polished

Sustainability and the Green Guide

Eltherington is committed to sustainable manufacturing leadership in all areas of its business, including recycling, reduction of waste and saving energy.

Eltherington specialist fabrications can achieve an 'A' rating as defined in the BRE Green Guide to Specification. Due to their lightweight nature, framed structures generally score better than their masonry counterparts. A-ratings can be achieved using all conventional cladding materials from Eltherington.

Showroom

Eltherington has a large showroom at our manufacturing site in Hull, East Yorkshire, showcasing all of our architectural solutions. To arrange a visit, please call us on 01482 320336.

Design assistance

Our team can assist you in all aspects and we can manufacture specialist fabrications to your exact designs. We offer a full installer support programme.

Our commitment

Eltherington is at the forefront of innovation and performance in the specialist fabrication sector. This gives customers confidence in our products, allowing them to realise their vision of creating buildings where people want to live and work.



Eltherington rainscreen cladding solutions have been independently tested and accredited to the specific requirements of CWCT.

The Centre for Window and Cladding Technology (CWCT) is the leading provider of information in the area of building envelopes and glazing. The CWCT establishes industry standards and provides guidance to its members.



Full NBS specifications are available for all Eltherington rainscreen cladding solutions. We have an experienced technical team that can assist you in putting together designs and detailed specifications.



Eltherington offers RIBA-assessed, high-quality CPD seminars at your office or regional centres around the UK. Please contact our customer services department for more information.

Other solutions available from Eltherington:



Column casings



Roofline



Rainscreen cladding



Internal cladding



Modular / off-site



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