

Delivering
over a century of
innovation
in roof
glazing.



Company Brochure



Providing end-to-end
Patent Glazing
Services in the UK
with in-house
expertise from design
to installation.

Designed in Great Britain

Market leaders and innovators

Founded in 1902, we have become synonymous with British excellence in roof glazing solutions.

As the longest-established patent glazing specialist in the UK, we have built a legacy of quality, innovation, and reliability that has stood the test of time.

We have pioneered the development of cutting-edge patent glazing systems, from roof glazing to skylights and lanterns, all designed, manufactured, and installed by our in-house team of experts.

Our heritage is steeped in British craftsmanship, combining traditional techniques with modern innovation to deliver exceptional glazing solutions that grace some of the most prestigious buildings in the UK.

From iconic railway stations to state-of-the-art shopping centres, our systems are trusted by architects, developers, and building owners across the country.

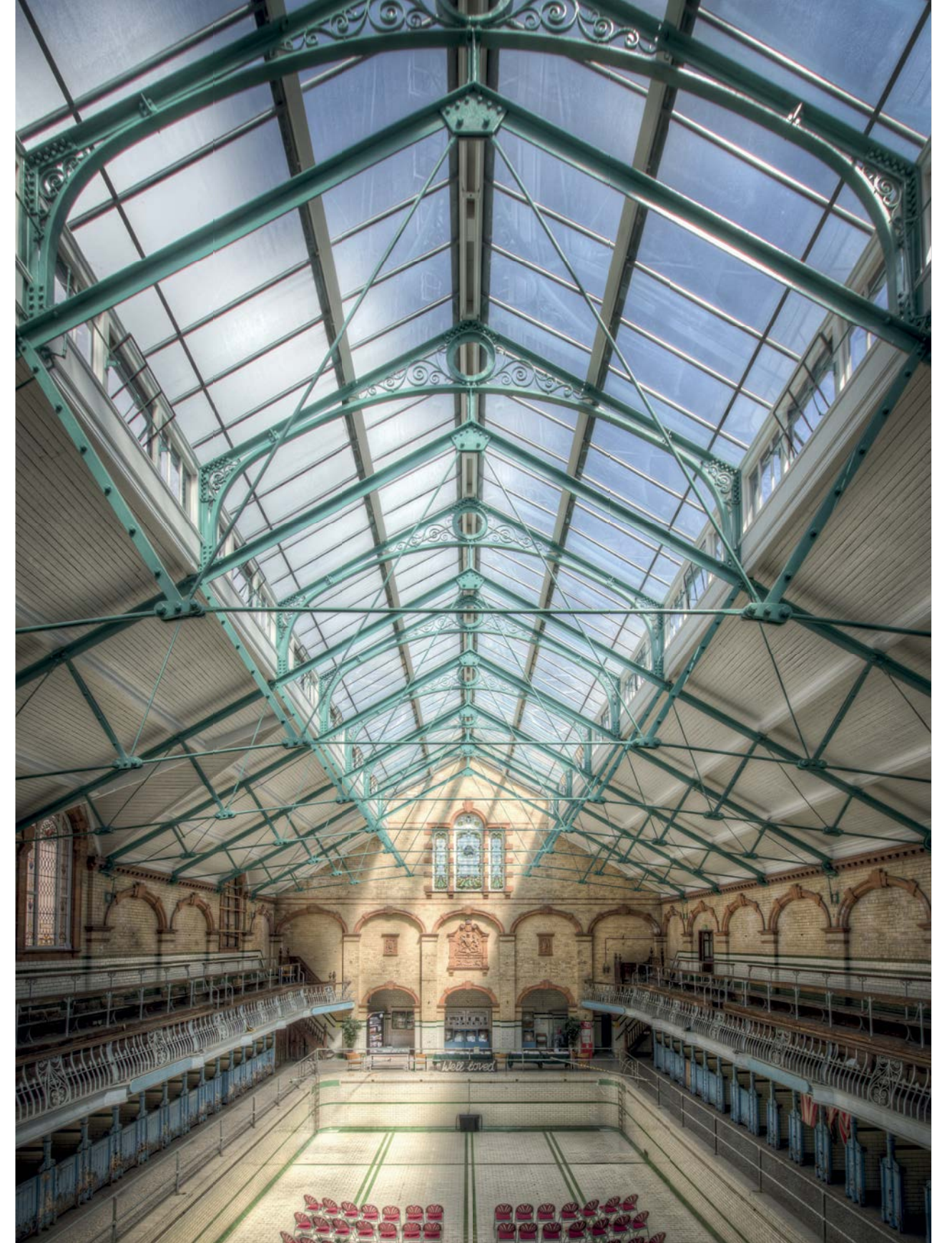
We are proud to operate from our UK-based manufacturing facility, ensuring that every project we undertake adheres to the highest standards of British engineering and design.

Our commitment to quality and innovation has earned us the status of market leader, providing end-to-end services that span the entire project lifecycle—from initial concept to final installation.

Our proud British heritage:

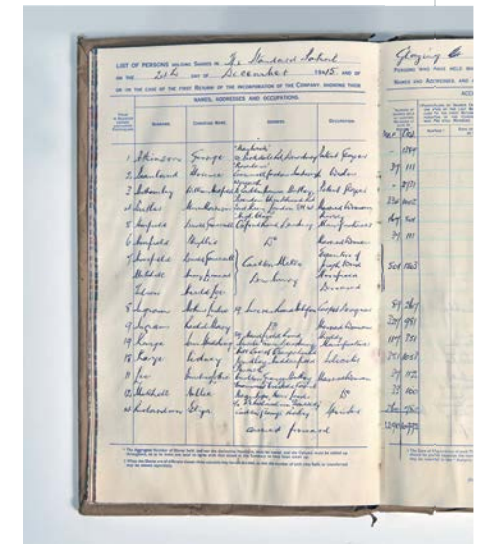
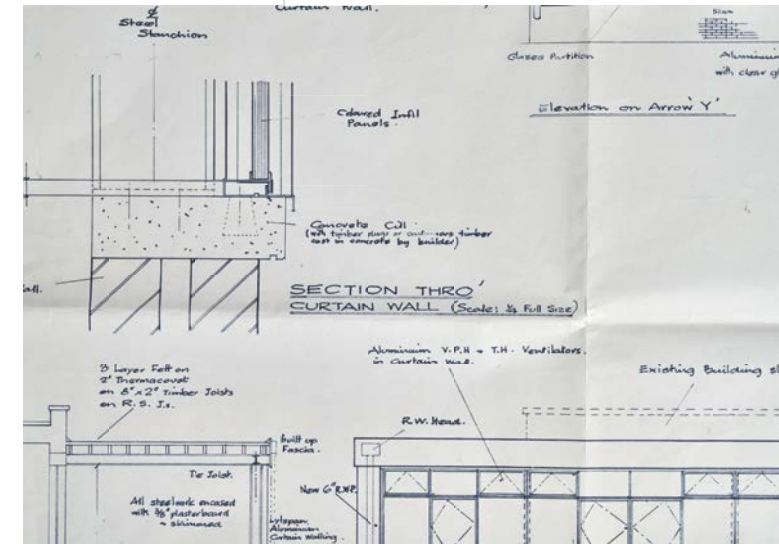
- Over 120 years of expertise in glazing solutions.
- Market leaders in patent glazing, setting industry standards.
- Proudly designed, manufactured, and installed across the UK by professionals.
- Projects completed at iconic locations, including railway stations, shopping centres, and prestigious public and private buildings.

By choosing us, you are not only investing in a product but in a century-old British tradition of excellence. Our in-house team is dedicated to ensuring that your glazing project meets the highest possible standards, with an unwavering focus on durability, precision, and aesthetic appeal.



Designed in Great Britain

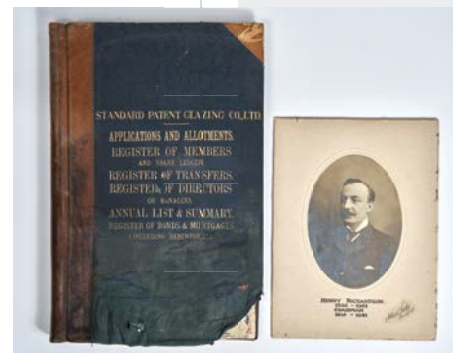
Raising the standards since 1902



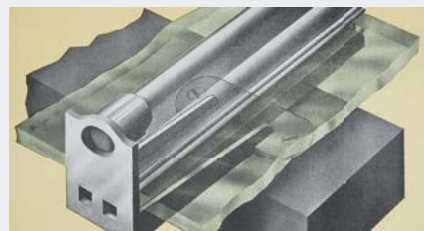
1900s

Founding of The Standard Patent Glazing Co. Ltd.

The Standard Patent Glazing Co. Ltd. was founded in 1902 by Henry Richardson, Fredrick Bottomley, and Joseph Rouse Schofield, pioneering the field of patent glazing solutions. Today, we continue their legacy of excellence.



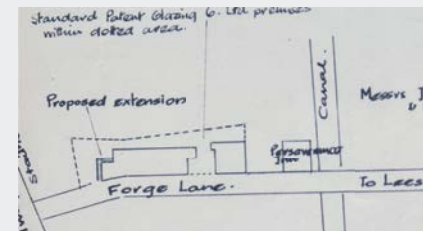
1910s



Pioneering Invention

We introduced our pioneering invention, revolutionising the use of glass 'stops' within glazing bar fabrication. Our patented design aimed to simplify the removal and insertion of glass, eliminating the risk of puncturing the external lead extrusion used to weather the internal mild steel core.

1920s



Relocation to Forge Lane, Dewsbury

In 1922 we relocated to a purpose-built premises at Forge Lane, Dewsbury, marking a significant milestone in our history. The move was driven by the need to expand production of our patented glazing products.

1930s

Local Job Growth

Increased demand prompted us to significantly expand its production capacity. This expansion results in a substantial increase in the company's labour force, providing employment opportunities for skilled workers across various disciplines from the local area of Dewsbury.

1940s

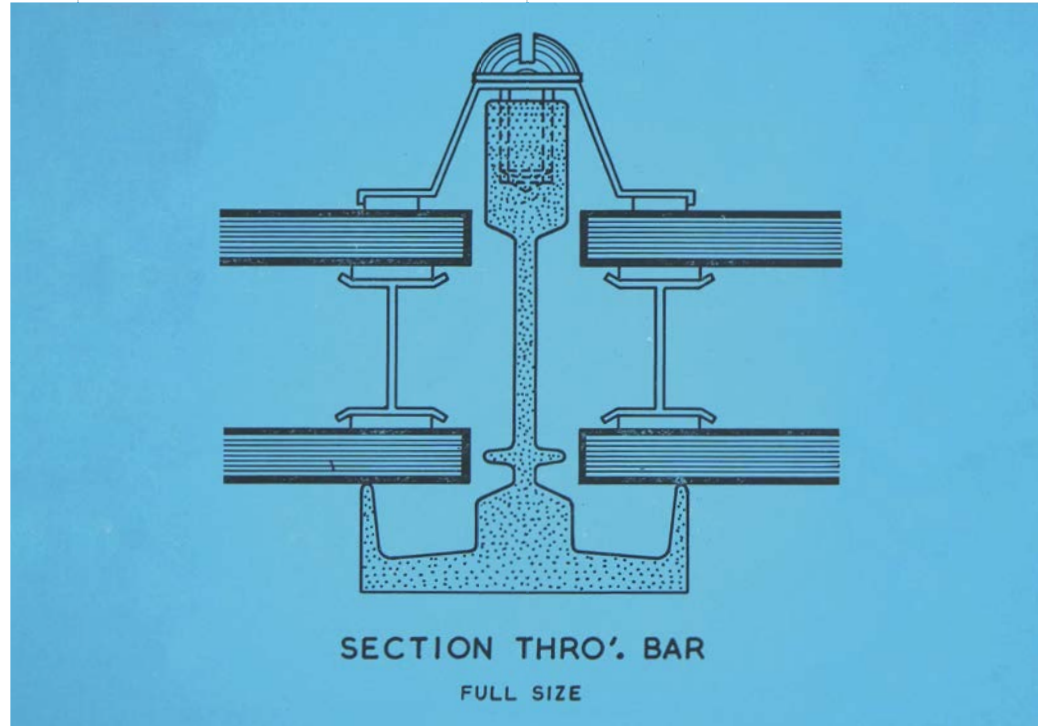
Innovation and Wartime Contributions

In addition to our contributions to the war effort in the 1940s through innovative temporary structures, we pioneered a revolutionary glazing system known as 'Stalumin', crafted from aluminium.

Recognising aluminium's crucial role in wartime industries, we harnessed its properties to develop a cutting-edge solution for the glazing industry.

Our patented 'Stalumin' system not only showcased our commitment to innovation but also demonstrated our adaptability in utilising emerging technologies.

Designed in Great Britain



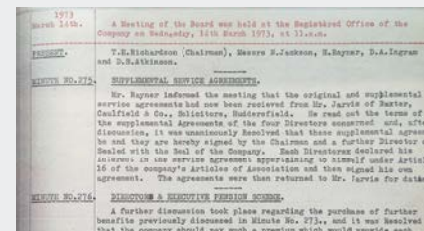
1950s

Patenting of Our Inaugural Double Glazing System

A pivotal moment in our company's history occurs as we patent our inaugural double glazing system in 1950.

This milestone reflects our forward-thinking approach to meet the growing demand for thermal efficiency in architectural design.

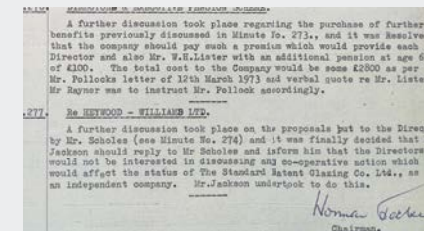
1960s



Office Expansion and Enhanced Production Capacity

Following a period of significant growth, we expanded our offices in the 1960s to include a state-of-the-art drawing office. This expansion facilitated further employment opportunities and boosted our production capacity, enabling us to meet increasing demand and enhance our operational efficiency.

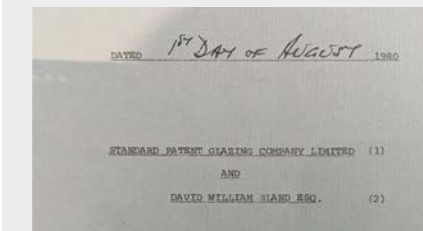
1970s



Continued Growth and a Defended Takeover Bid

The 1970s were marked by continued growth and a notable takeover bid from Heywood Williams Ltd, a major PLC competitor recognising our company's potential. Fortunately, our directors declined the offer, a decision that proved wise as Heywood Williams Ltd faced difficulties and ceased trading several decades later.

1980s



Formation of New Board and Milestone Achievement

In 1980, the newly established board initiated significant growth, leading to multi-million pound annual revenues that sustainably increased throughout the decade.

1990s

Introduction of Thermally Broken Systems

In 1998, we introduced our thermally broken systems. Anticipating and exceeding the impending regulatory requirements of Building Regulations Part L, our thermally broken systems set a new benchmark for energy efficiency and thermal performance in patent glazing.

Designed in Great Britain



2000s

Major Railway Projects and Industry Leadership

The new millennium marked our involvement in significant railway projects, providing daylighting solutions to stations nationwide, including York, Darlington, Hull paragon, Chester, and London Victoria. Throughout our history, our role as patent glazing specialists has been marked by numerous innovation.

We played a key role in developing the British Standard for vertical and sloping glazing - BS5516:2004 Parts 1 and 2, emphasising our commitment to best practices in the daylighting industry.

In November 2007, we achieved ISO 9001 quality management accreditation, which laid the foundation for our subsequent ISO 14001 environmental management and ISO 45001 health and safety management systems.

2010s



Formation of Senior Management Team and Operational Revolution

In 2017, the current Senior Management Team was formed, initiating a transformative change management process that revolutionised our operational capabilities. By embracing change, we achieved increased efficiency and improved quality, laying the groundwork for our future digitalisation ambitions. This pivotal year set the stage for our ongoing commitment to innovation and excellence.

2020s

Resilience and Innovation

In 2020 we navigated the challenges of the COVID-19 pandemic and emerged stronger than ever. Despite the hurdles, we've continued to grow and innovate, launching new products and fully digitalising our operations to align with the Industry 4.0 framework. Our commitment to progress has been driven by substantial investments in technology and infrastructure.

Designed with excellence

A true end-to-end service

What sets us apart is our unwavering commitment to providing a truly end-to-end service.

From the initial design consultation to the final installation, every aspect of our work is handled in-house by our directly employed team of experts.

This integrated approach ensures that we maintain complete control over the quality and performance of our products and services at every stage of the project, giving our clients unparalleled peace of mind.

Our approach eliminates the challenges of coordinating multiple contractors or suppliers, streamlining the process for our clients and ensuring that all work is carried out by skilled professionals who understand the intricacies of our proprietary glazing systems.

From the moment you engage with us, our team works collaboratively with you to understand your specific requirements, develop a custom design solution, and see the project through to completion.

We pride ourselves on our comprehensive service, which includes not only the design and installation but also ongoing support and aftercare. Our systems are designed to stand the test of time, but in the unlikely event that an issue arises, our responsive aftercare team is always on hand to address any concerns.

Key aspects of our excellence:

- **Full-service approach**
From design to aftercare, we handle every aspect of your project.
- **Directly employed staff**
We do not subcontract, ensuring accountability at every stage.
- **Attention to detail**
Each project is meticulously managed to ensure a seamless experience for our clients.
- **Aftercare support**
Comprehensive support long after the project is complete.

Choosing us means choosing a partner that is dedicated to excellence at every level. Our clients can be confident that their project is in expert hands from start to finish, ensuring superior results and a stress-free experience.

Design
Manufacture
Installation
Guarantee

Designed for historic buildings

Restoring historic buildings without compromise



For over a century, we have been instrumental in the preservation and restoration of some of the UK's most cherished heritage buildings. Our deep understanding of historical architecture, combined with our innovative glazing solutions, has positioned us as a leader in the conservation sector, trusted by architects and preservationists alike.

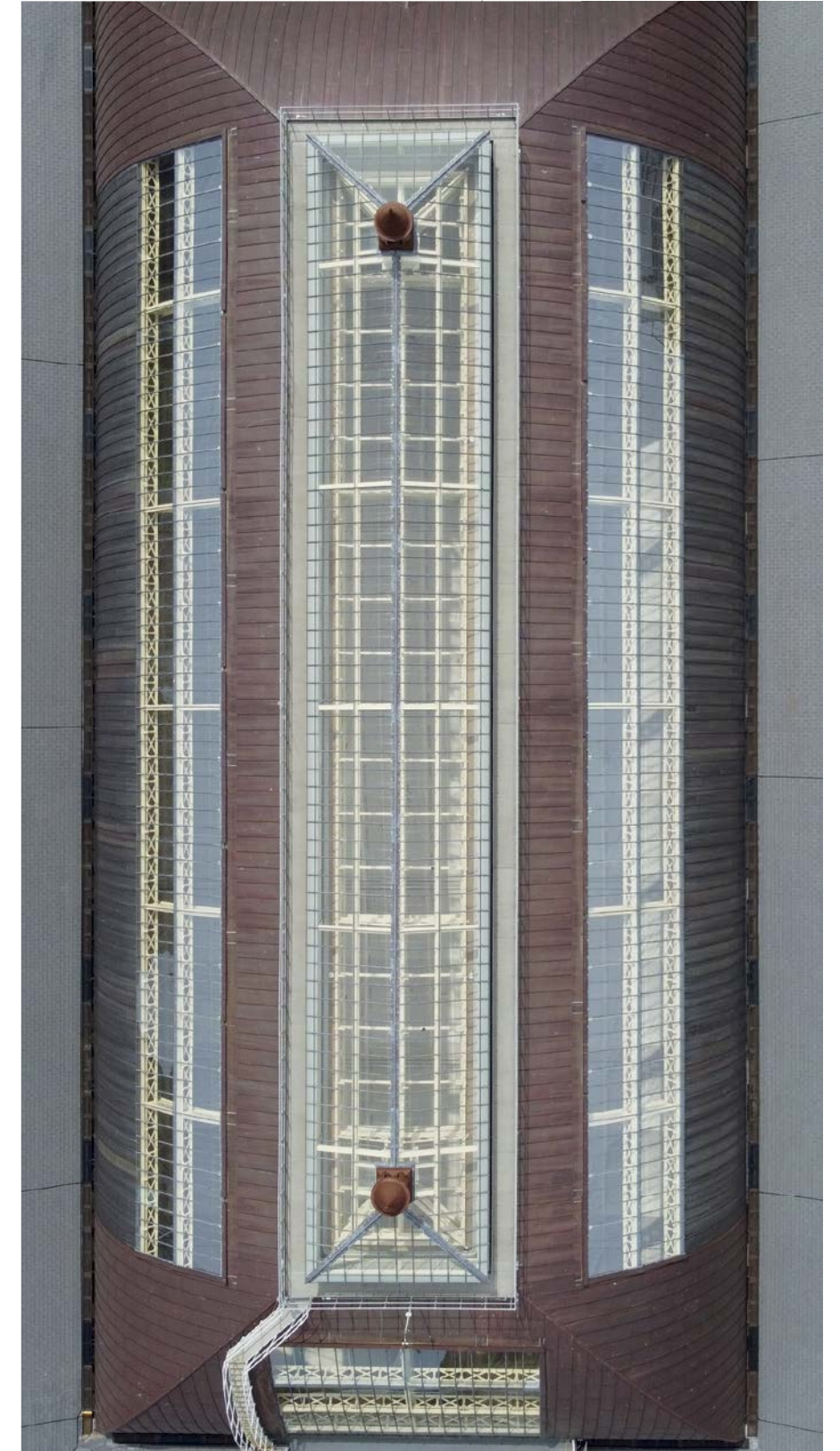
Our Heritage lead-covered steel patent glazing bars are specifically designed for historical and listed buildings, offering a glazing solution that remains true to the Victorian innovation that first inspired it. These glazing bars, which are available in both single, double and triple glazed options, are unaltered since their creation, ensuring the authenticity and integrity of any historical restoration project. The precision craftsmanship of our Heritage system makes it the ideal choice for projects where historical accuracy is paramount.

Our portfolio includes a wide range of heritage projects, from Grade 1 and Grade 2 listed buildings to other historically significant sites across the UK. Whether it's a complete refurbishment or the replacement of original glazing, our team works closely with architects and conservation specialists to deliver glazing systems that blend seamlessly with the original architectural style while meeting modern performance standards.

Why our heritage systems are ideal for historical projects:

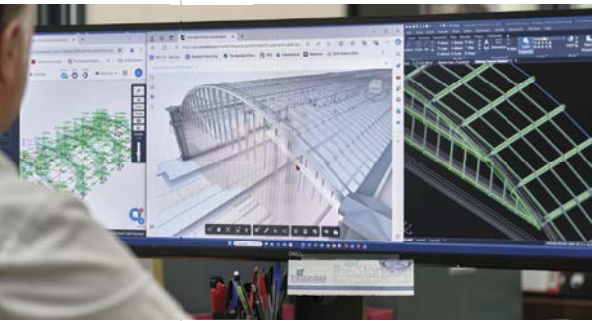
- **Unmatched authenticity**
Our lead-covered steel glazing bars are the only true heritage glazing bars on the market.
- **Victorian innovation**
Unchanged since their inception, our Heritage system reflects the original design and craftsmanship of the Victorian era.
- **Historical preservation**
Perfect for listed buildings, our glazing systems preserve the architectural integrity of the UK's most treasured structures.
- **Modern performance**
Despite their historical design, our systems meet modern safety, energy efficiency, and performance standards.

By choosing us for your historical building project, you are selecting a partner who understands the delicate balance between preserving the past and meeting the demands of the present. Our heritage glazing systems ensure that the unique character of each building is maintained while providing the durability and performance needed for the future.



Designed for architects

Enhancing appeal and functionality



We understand that architects require glazing solutions that not only meet the technical specifications of a project but also enhance its aesthetic appeal.

Our in-house design team works closely with architects to provide bespoke glazing systems that are tailored to the unique requirements of each project, whether modern or conservation in nature.

Our proprietary glazing systems are designed to integrate seamlessly with a variety of architectural styles, from cutting-edge contemporary designs to traditional, heritage-inspired builds. We offer a full suite of resources to support architects in the design process, including schematic interface drawings, 3D renders, NBS specifications, and compliance advice. This collaborative approach ensures that every glazing system we provide meets the highest standards of performance and visual impact.

What we offer architects:

- **Tailored solutions**
Our design team works hand-in-hand with architects to create glazing systems that align with the project's vision.
- **Resources and support**
We provide extensive technical resources, including NBS specifications, drawings, and 3D renders, to support architects throughout the design process.
- **Innovation and aesthetics**
Whether designing for modern or conservation architecture, our systems are engineered to complement the aesthetic and functional goals of each project.

Our glazing systems have been specified by leading architectural practices throughout the UK, and our reputation for delivering high-quality, bespoke solutions has made us a trusted partner for architects working on both commercial and residential projects.



Designed for construction professionals

Trusted to deliver

With over 120 years of experience, we have earned a reputation as a trusted partner for construction professionals across the UK. From transport hubs to educational buildings, our glazing systems are specified on a wide range of projects where performance, durability, and aesthetic quality are paramount.

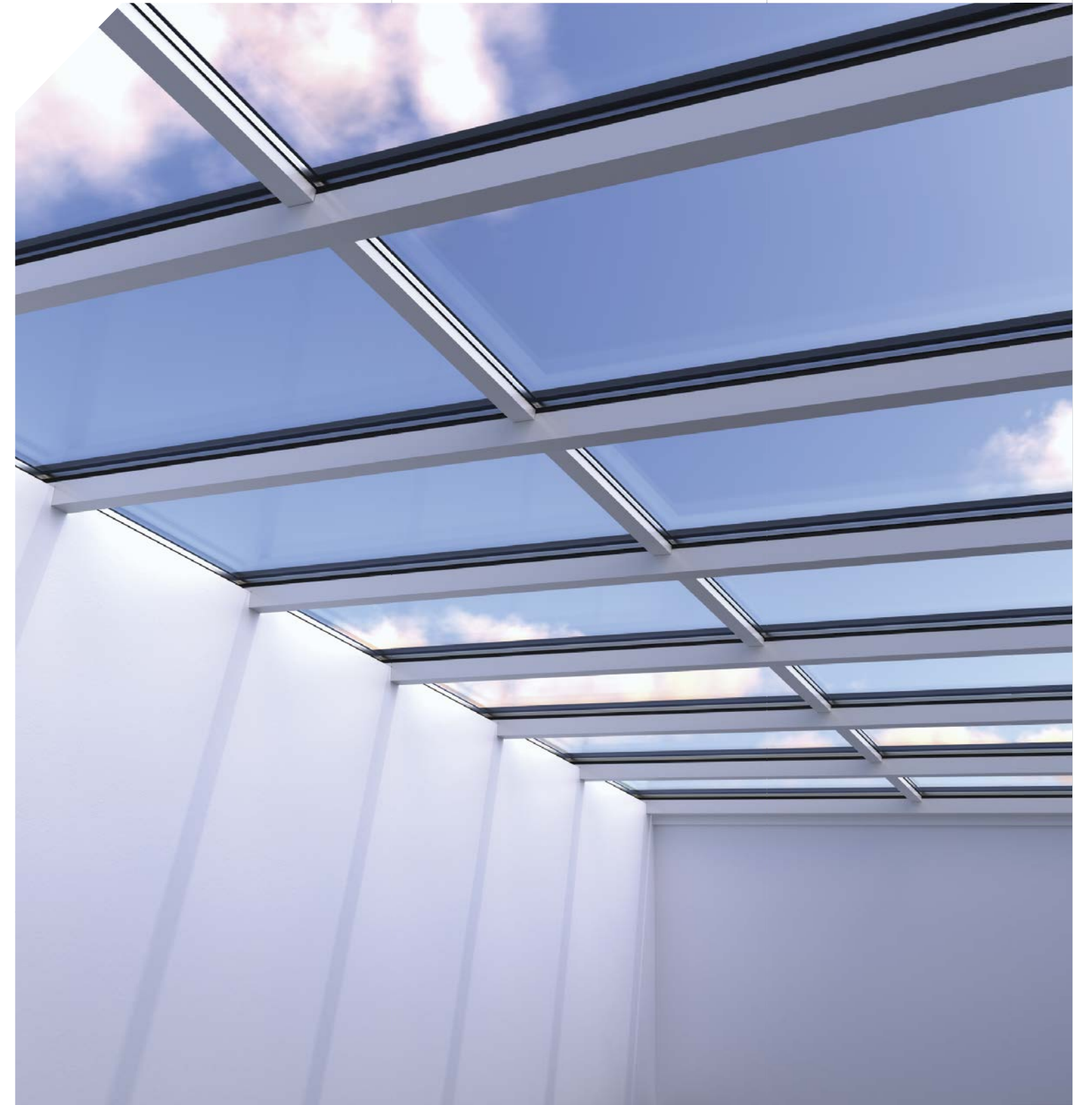
We offer a comprehensive, in-house service that encompasses the design, manufacturing, and installation of our proprietary glazing systems. By managing every aspect of the project internally, we are able to provide full accountability, ensuring that construction professionals have the peace of mind that comes from working with a company that takes responsibility for the entire process.

Our in-depth knowledge of patent glazing systems and our commitment to safety and quality make us the ideal choice for construction professionals looking for reliable glazing solutions that meet the highest industry standards.

Benefits for construction professionals:

- **End-to-end service**
All aspects of the project are handled in-house, ensuring consistency and accountability.
- **Experienced team**
Our directly employed team has decades of experience in delivering complex glazing projects.
- **Safety and compliance**
We adhere to all relevant industry regulations, including health and safety standards, ensuring that every project is completed safely and to specification.

Whether you are working on a high-profile commercial development or a public sector project, we are your trusted partner for patent glazing systems that deliver on both performance and design.



Designed for any building

Enhancing building beauty and function

Whilst we are known for our large-scale commercial projects, we also bring the same level of expertise and craftsmanship to domestic roof glazing. Whether you are building a new home, extending an existing property, or restoring a heritage building, our bespoke glazing solutions are designed to enhance the beauty and functionality of your home.

We regularly collaborate with architects, builders, and client project managers on domestic projects of all sizes, offering proprietary glazing systems that cater to both modern and conservation architecture. From skylights and lanterns to roof glazing systems, our team works closely with homeowners to deliver custom designs that meet their specific needs.

Why choose us for domestic glazing projects:

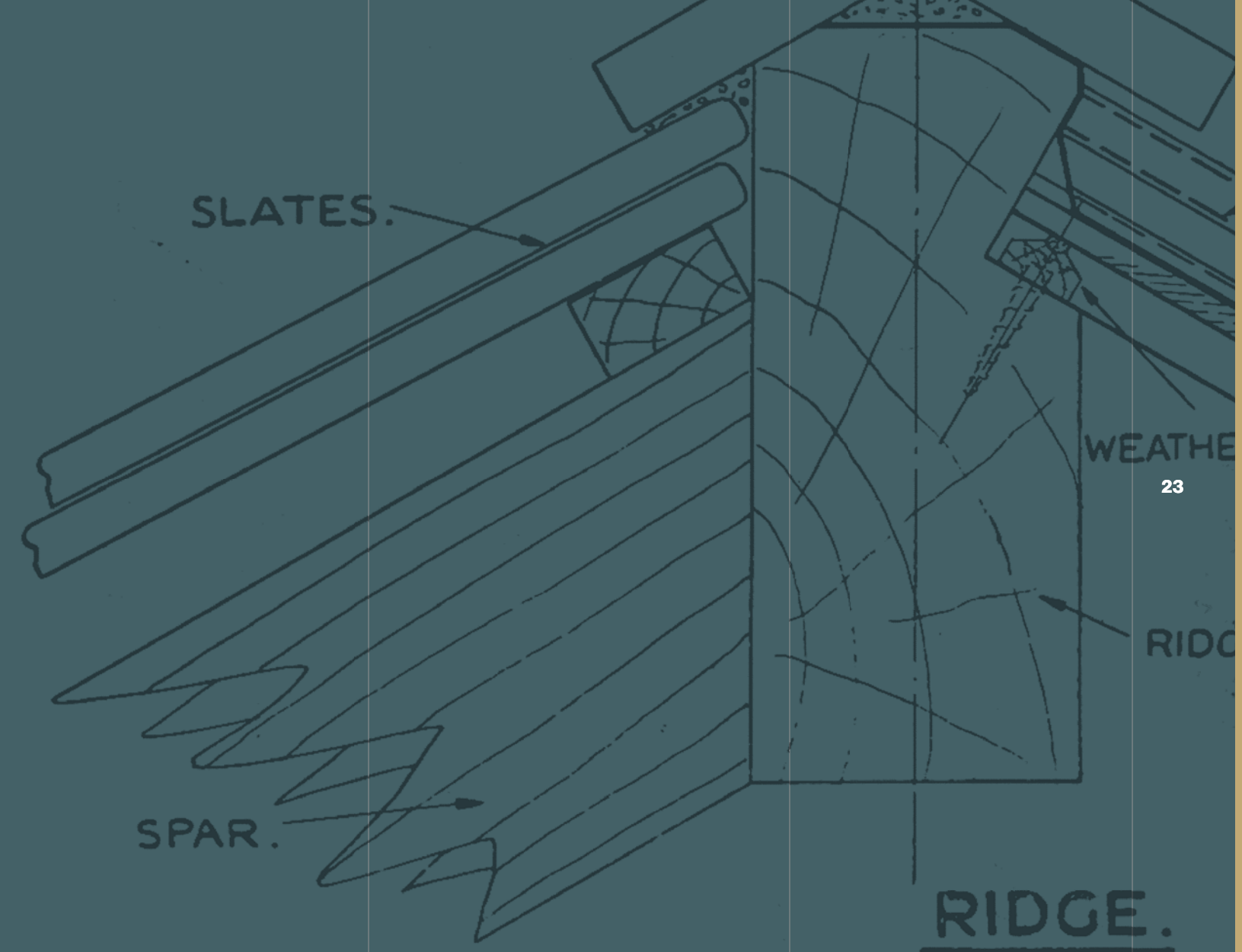
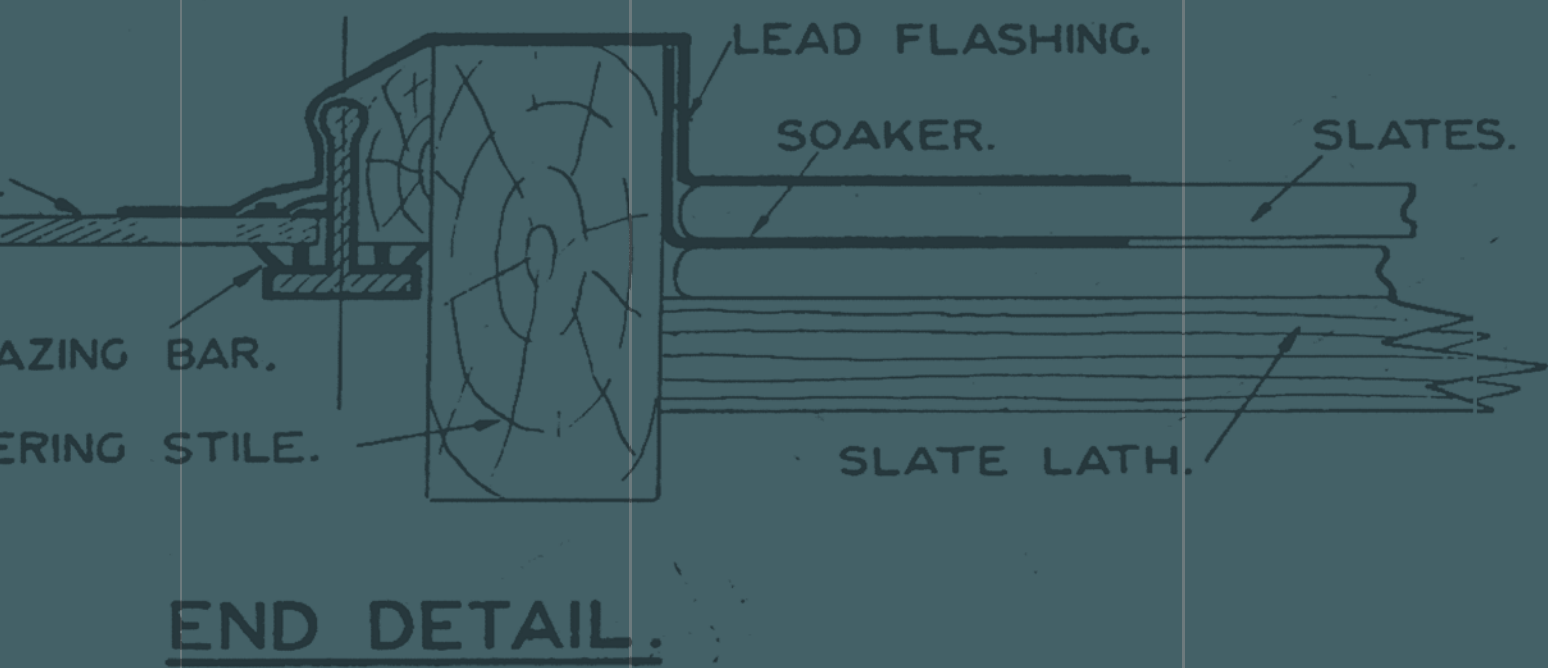
- **Tailored designs**
Our systems are custom-designed to fit your home's unique architectural style, whether modern or traditional.
- **In-house expertise:**
Every aspect of your project is handled by our experienced team, ensuring the highest standards of quality and craftsmanship.
- **High-quality materials**
Our systems are built to last, offering durability, energy efficiency, and aesthetic appeal.

Whether you are looking to add a modern skylight to your home or restore a period property with heritage glazing, we are here to help you achieve your vision.



“We chose Standard Patent Glazing Co Ltd for our kitchen extension project based on their Rafterline patent glazing system, and we couldn't be happier with the results. The system they installed not only floods our kitchen with natural daylight but also maintains thermal efficiency, which was crucial for us.”

Jim Connelly
Domestic property owner
London



Our systems

Our 4Edge Pro Glazing System

Designed to be thermally efficient

The 4Edge Pro Glazing System is our most advanced and thermally efficient roof glazing solution, offering superior performance in weatherability, aesthetics, and durability. This state-of-the-art system is designed to secure infill materials on all four sides using our unique dry-sealed transom mullions, ensuring robust weatherproofing without the need for secondary seals such as silicone or weathering tapes. The result is a sleek, fully drained glazing system that not only enhances the visual appeal of any structure but also outperforms traditional sloping curtain walling systems in terms of weatherability, longevity and aesthetics.

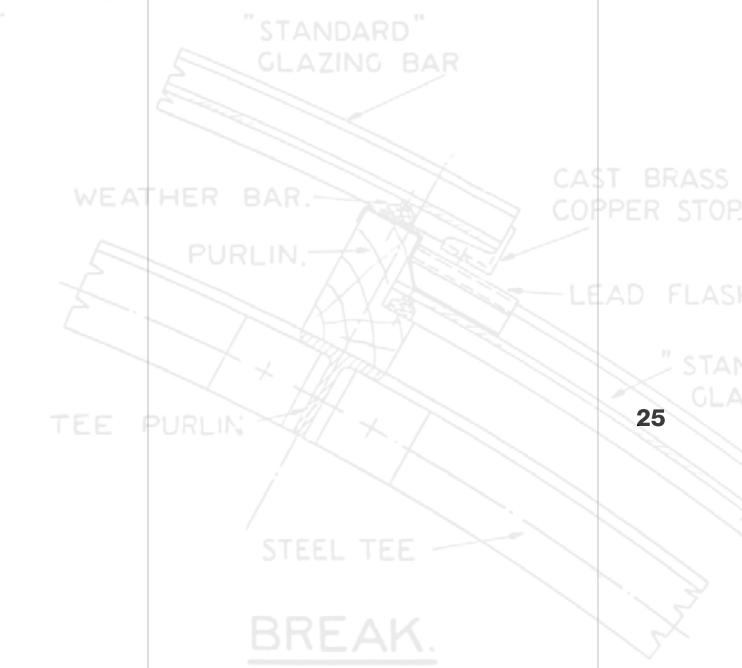
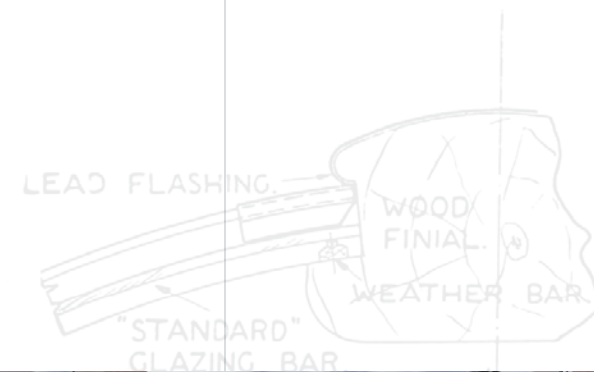
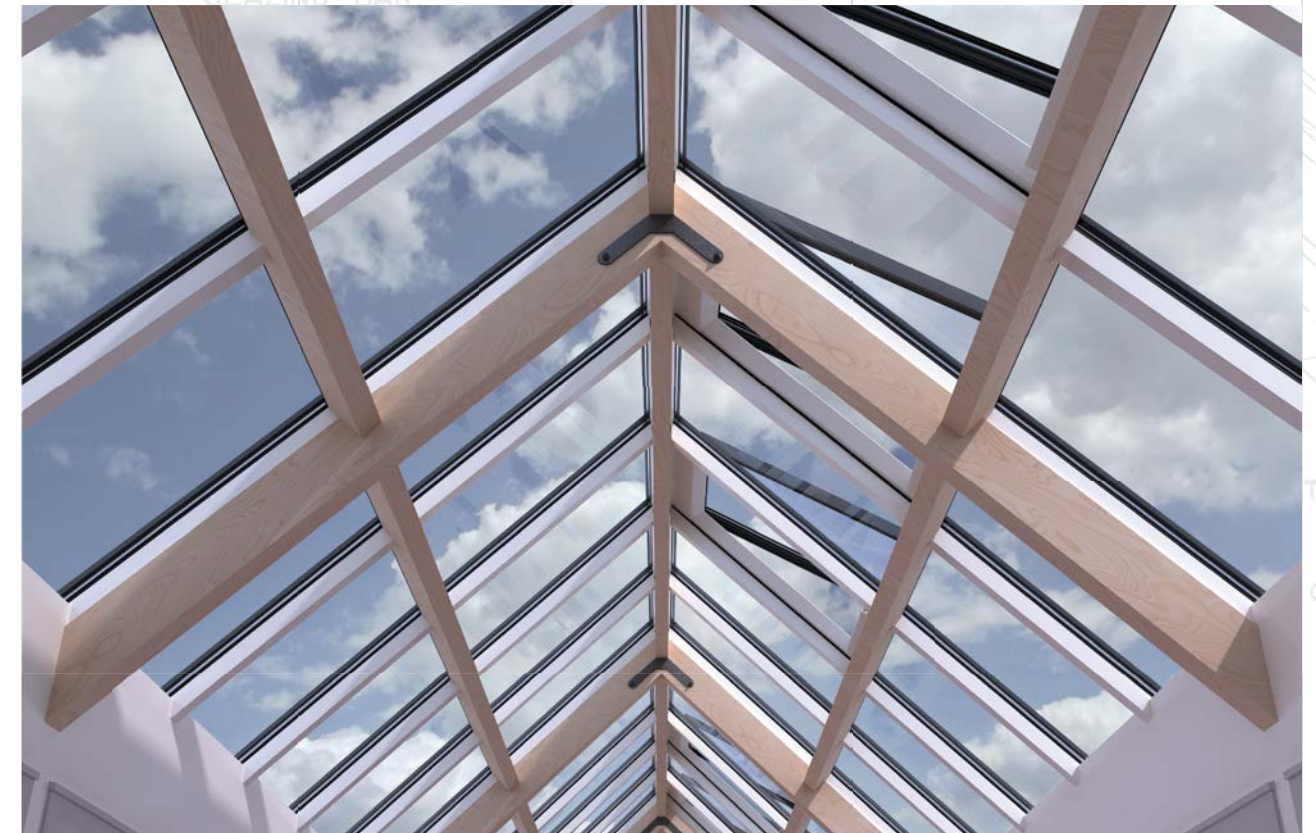
The 4Edge Pro system boasts an internal box section for additional strength, capable of spanning large areas without compromising stability. The system's innovative design includes concealed cappings, which create clean sightlines and protect the structural elements from exposure, providing a seamless and modern aesthetic.

Key features:

- **Thermal efficiency**
Available for single, double, and triple glazing applications, the 4Edge Pro can achieve U-values as low as 0.95 W/m²K when used with triple glazing units.

- This makes it ideal for projects prioritising energy efficiency and sustainability, fully compliant with Building Regulation Document L.
- **Weatherability**
The unique transom design ensures water drains efficiently into the glazing bars, reducing the risk of tide marks and sealing failure over time. The system is specifically designed to eliminate the need for weathering tapes and silicone, which are prone to deterioration.
- **Design flexibility**
With sleek, slim sightlines and compatibility with our Skyline Box, Skyline, Rafterline, and Traditional systems, the 4Edge Pro can be adapted for a variety of architectural designs. This versatility allows for use in both modern and conservation architecture, where both performance and aesthetic appeal are critical.

From large commercial projects to detailed residential builds, the 4Edge Pro Glazing System sets a new standard for modern roof glazing, offering a perfect balance of strength, thermal efficiency, and visual appeal. Its compatibility with various infill materials makes it the go-to solution for architects and construction professionals looking for cutting-edge performance.



Vinery Road

Designed to be thermally efficient

Case study

Cambridge, UK

Project overview

The project at 25A Vinery Road aimed to transform an existing commercial warehouse into a high-quality, vibrant office space filled with natural daylight. This revitalisation was part of an effort to address the increasing demand for premium office facilities in Cambridge, specifically within the Mill Road area.

Client and objectives

The client, DB Industrial Roofing Ltd, sought an innovative daylighting solution to meet the architectural and performance requirements specified for the project. The primary objectives included enhancing the natural lighting within the space, ensuring superior thermal and acoustic performance, and maintaining high safety and durability standards.

Main Contractor:
DB Industrial Roofing Ltd

Tender and proposal

Initially, the tender specified a well-known competitor's daylighting system. However, our team proposed an alternative solution featuring our new proprietary 4Edge Pro system incorporating our Skyline Box SPG 5 glazing bars. This four-edge patent glazing system was presented as a cost-effective, high-performance alternative.

Approval and implementation

The project Architect thoroughly reviewed the technical submission and approved the 4Edge Pro Glazing System. The approval was based on the system meeting or exceeding the specified performance criteria and offering significant cost savings.

Design and manufacture

Our design team worked closely with DB Industrial Roofing Ltd to tailor the 4Edge Pro to the specific requirements of the Vinery Road project.

Architect:
Owers Warwick Architects

Installation

The installation phase was meticulously planned and executed to ensure seamless integration with the newly installed roof structure. The 4Edge Pro glazing system facilitated a smooth installation process, resulting in a secure and efficient daylighting system.

Technical submission

To secure the tender, a comprehensive technical submission was necessary. This document detailed the performance benefits of the 4Edge Pro glazing system, emphasising its advantages over the specified system. Key performance criteria included:

Aesthetic appearance:

The sleek design of the 4Edge Pro system provided an enhanced visual appeal.

Weatherability:

The system's robust construction ensured long-term durability against various weather conditions.

Non-fragility:

Achieved a class 2 non-fragility rating per CWCT TN66 & TN67 standards, incorporating self-cleaning triple-glazed units with inner panes of class 1B1 laminated safety glass.

Thermal performance:

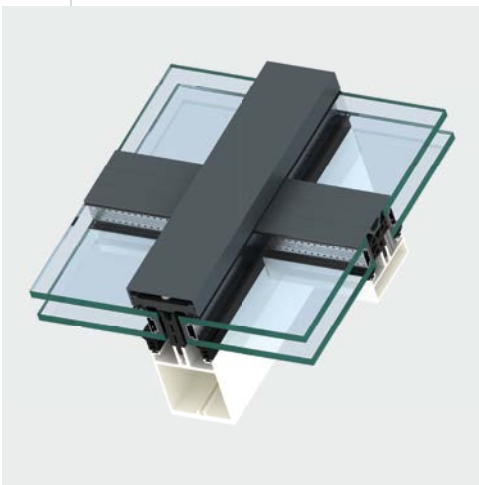
Superior thermal efficiency.

Acoustic performance:

Effective noise reduction, enhancing the office environment.

Low maintenance:

Incorporating self-cleaning glass and low profile transom mullions to minimise maintenance and unsightly tide marks.



Designed to last a lifetime

A unique Heritage Glazing System

The Heritage Glazing System embodies the rich history of Victorian glazing innovation, offering a timeless solution for listed buildings, historical restorations, and new builds that require a traditional aesthetic. Our Heritage lead-covered steel glazing bars have been manufactured without alteration for over a century, making them the only true heritage glazing product on the market.

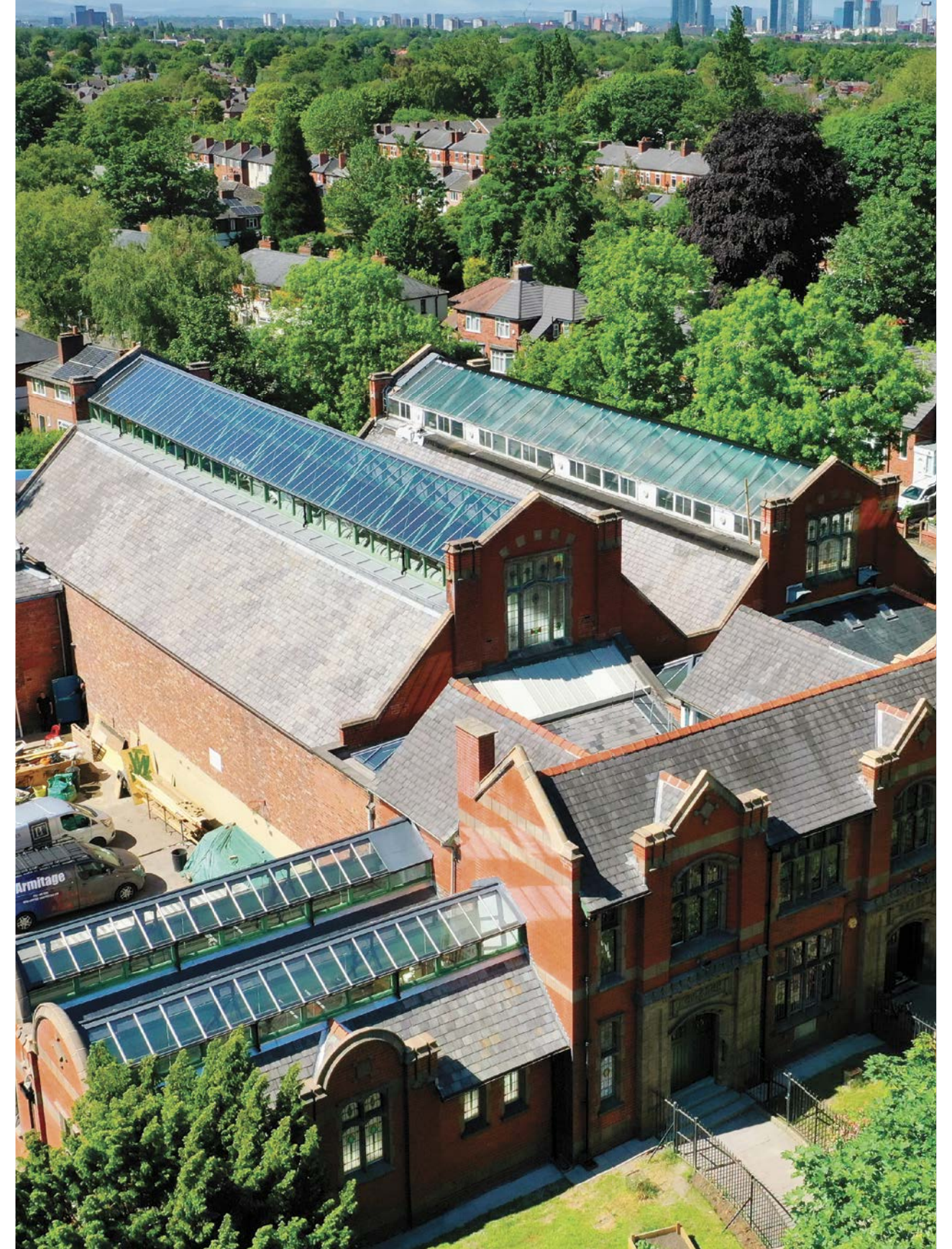
Our system's galvanised steel core, encased in a seamless lead extrusion covering, provides unmatched durability and historical accuracy. Designed to preserve the architectural integrity of buildings, the Heritage system is perfect for replacing or refurbishing Grade 1 & 2 listed buildings, historic buildings, and prestigious projects that demand authenticity.

Key features:

- **Authenticity**
This system is the only genuine lead-covered steel glazing bar available today, preserving the original Victorian design. While some competitors offer modern aluminium alternatives, they cannot match the historical significance of the Heritage system.

- **Durability**
The lead-covered bars are hermetically sealed and fitted with original cast brass fixing plates and glass stops. This ensures a long-lasting, weatherproof solution that has been tried and tested over the decades.
- **Flexibility**
Available in single, double, or triple glazing configurations, the Heritage system can be adapted to meet modern requirements without compromising the historical look. It is also suitable for skylights, canopies, and walkways, enhancing its versatility across both new and old architecture

With its combination of historical authenticity and robust performance, the Heritage Glazing System is the premier choice for any project requiring conservation glazing. Its seamless blend of tradition and technology makes it an essential solution for restoring the past while embracing the future.



Victoria Baths

Designed to last a lifetime

Case study

Manchester, UK



Restoring a grand Edwardian masterpiece

Victoria Baths in Manchester, designed to be the grandest baths in Britain when they first opened their doors in 1906, stands as a Grade II-listed Edwardian gem. Despite decades of neglect that left it virtually derelict for over 30 years, the building retained much of its former grandeur.

A historic revival

In a remarkable moment, the pool at Victoria Baths was filled with 86,000 gallons of water for the first time in four years, marking a historic celebration of the baths receiving £3.4 million in funding from the BBC TV show Restoration. Thousands of viewers cast their votes to support the restoration of this beautiful building, and the work began almost immediately.

Preserving heritage and efficiency

As part of the meticulous restoration process, we undertook the installation of over 500m² of Heritage Patent Glazing, a solution that incorporated double glazed units to significantly enhance thermal efficiency.

Main Contractor:

William Anelay Ltd

In addition to the preservation of energy, we also added a toughened Stippolyte outer pane, closely resembling the original Georgian wired cast glass from the building's initial installation.

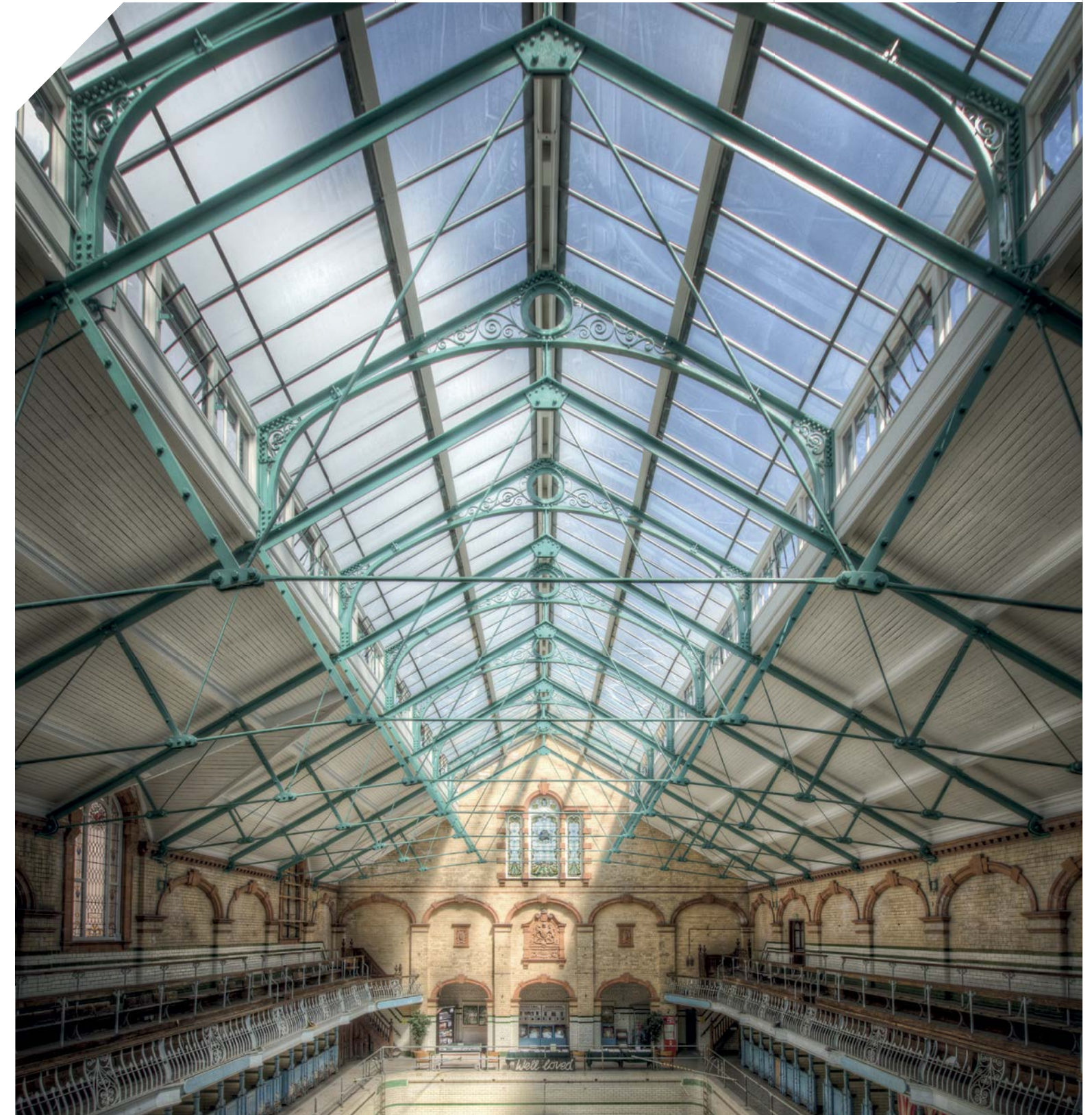
Result: a testament to restoration

The story of Victoria Baths in Manchester is a testament to the power of restoration and community support. The revival of this Grade II-listed Edwardian marvel, which once stood as the grandest baths in Britain, showcases a successful marriage of historic preservation and modern efficiency.

This case study underscores our commitment to preserving architectural heritage while improving the sustainability and functionality of historic structures. The revitalisation of Victoria Baths stands as a symbol of how restoration can breathe new life into treasures of the past, ensuring they continue to inspire and serve the community for generations to come.

Architect:

OMI Architects



Manchester Royal Exchange Building

Manchester, UK

Project overview

The Royal Exchange building in Manchester endured significant damage on 15 June 1996 when an IRA bomb exploded in nearby Corporation Street, less than 50 yards away. While the main structure remained undamaged, the blast caused the domes to shift. Extensive repairs were needed, taking over two years to complete and costing £32 million, which was generously funded by the National Lottery.

Scope of work

We were entrusted with a highly prestigious contract - to replace the three massive glazed domes, totalling 1,000m² in area, which had been damaged by the explosion. During the removal of the existing damaged domes, a fascinating historical detail was uncovered: the glass of the central dome had originally been supplied with a blue/purple translucent paint.

The sole evidence of this unique feature was found at the edges of the glass, discreetly encased within the glazing bars. It was decided that this distinctive characteristic should be faithfully restored in the new replacement domes, and we were commissioned to replicate this special tint.

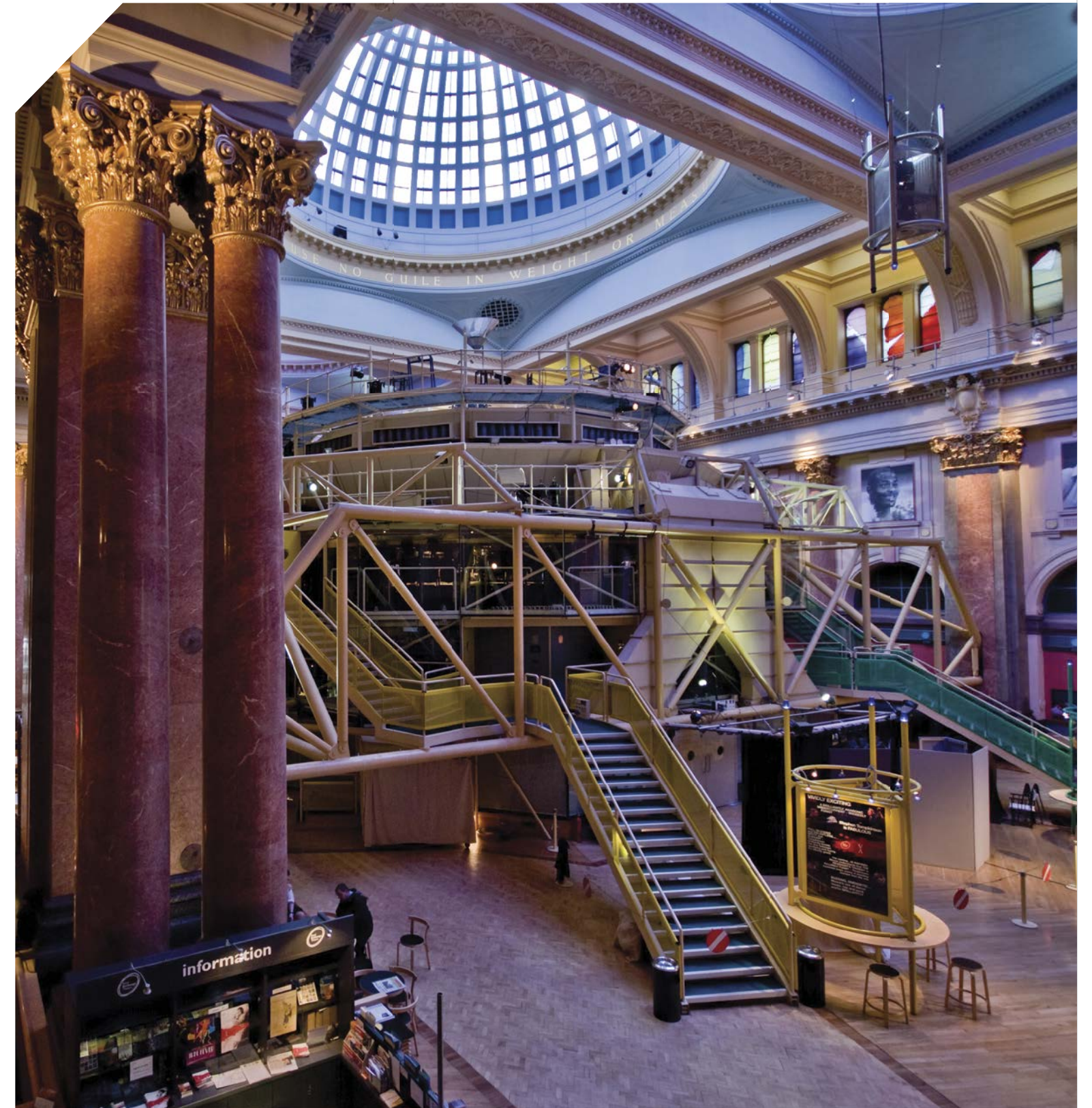
Materials and techniques

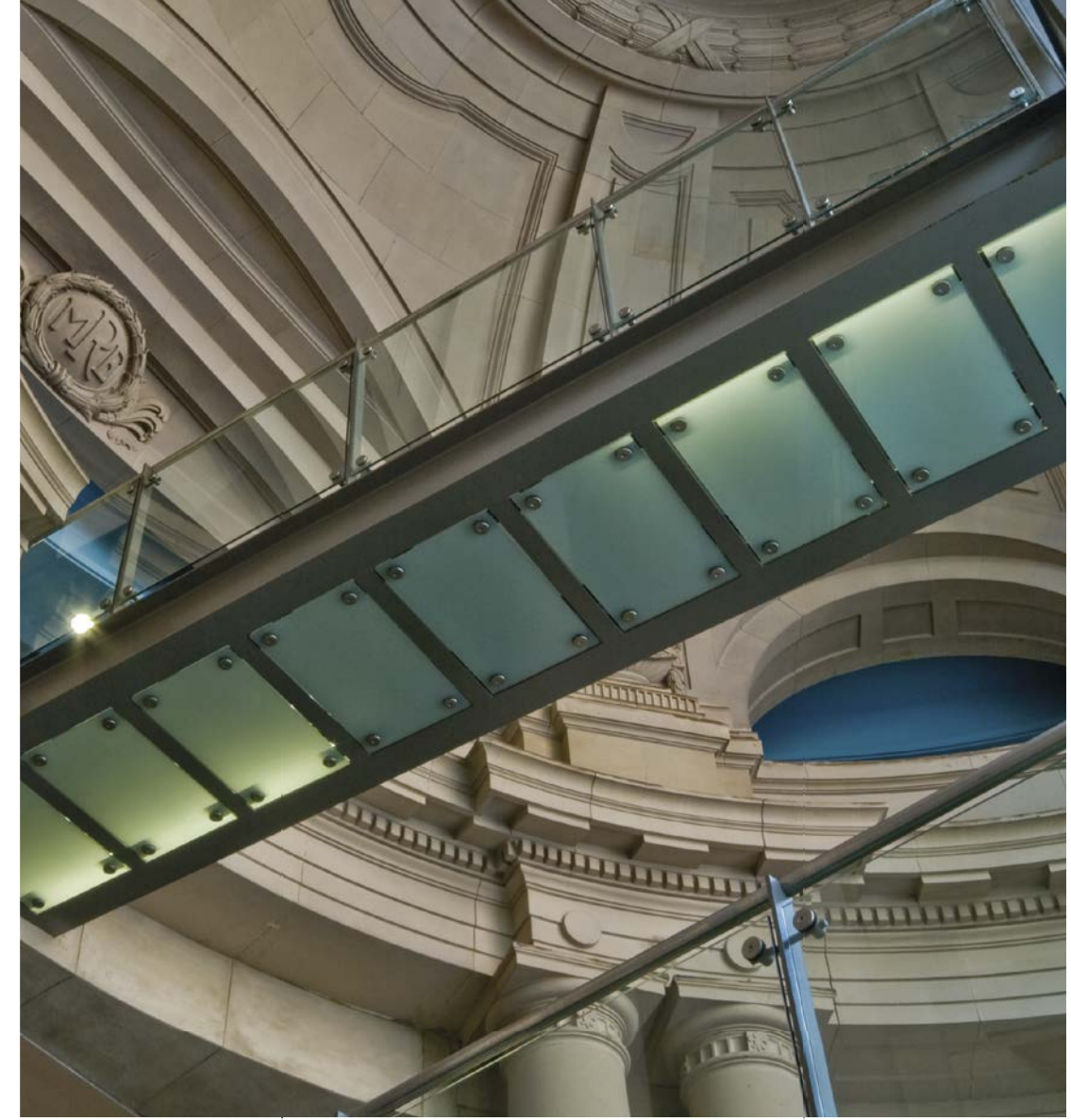
To achieve this extraordinary historical detail, we embarked on a diligent search for a coloured PVB interlayer to match the original blue/purple translucent paint. Our quest led us to Germany, where we sourced the perfect match. The replacement glass was carefully crafted in a bespoke single-glazed, heat-strengthened, laminated composition.

Our Heritage lead-covered steel glazing system played a pivotal role in this restoration project. It remains the sole patent glazing system available that faithfully replicates the original features of this Grade II listed building.

Main Contractor:
Mace Ltd

Architect:
Levitt Bernstein Architects





Project outcome

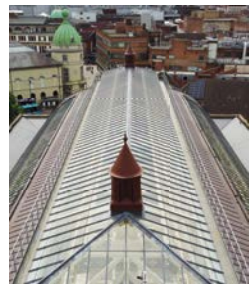
The restoration of the Royal Exchange building's glazed domes was a resounding success, a testament to our commitment to historical accuracy and craftsmanship. By meticulously sourcing a coloured PVB interlayer and using a bespoke single-glazed, heat-strengthened, laminated composition, we faithfully recreated the original blue/purple translucent paint. The Heritage lead-covered steel glazing system, exclusive to our company, ensured the restoration remained true to the building's historical significance.

This case study illustrates our dedication to preserving the historical integrity of cherished landmarks. The Royal Exchange building stands as a testament to the meticulous craftsmanship and attention to detail that went into the roof glazing replacement, ensuring its continued status as a cherished historical site.

Designed to last a lifetime

Case study

Derby Market



Derbyshire, UK

Project overview

Derby Market Hall stands as one of the city's most prominent and aesthetically significant structures, serving as a vital link between key areas of the city centre. As a Grade II listed building, its renovation required tasteful attention to detail, especially considering its historical importance from the Victorian era. Our Heritage glazing system, featuring a handmade lead-covered steel patent glazing system, was chosen to preserve the original design intent seamlessly.

Prior to the multi-million pound refurbishment project, the market hall posed safety concerns. Closure to customers was a frequent occurrence due to the risk of glass windows dislodging in adverse weather conditions. Our Heritage glazing system was selected not only for its visual authenticity but also for enhancing safety and restoring the structural integrity of the Market Hall.

Main Contractor:
Wates Construction Ltd

Scope of work

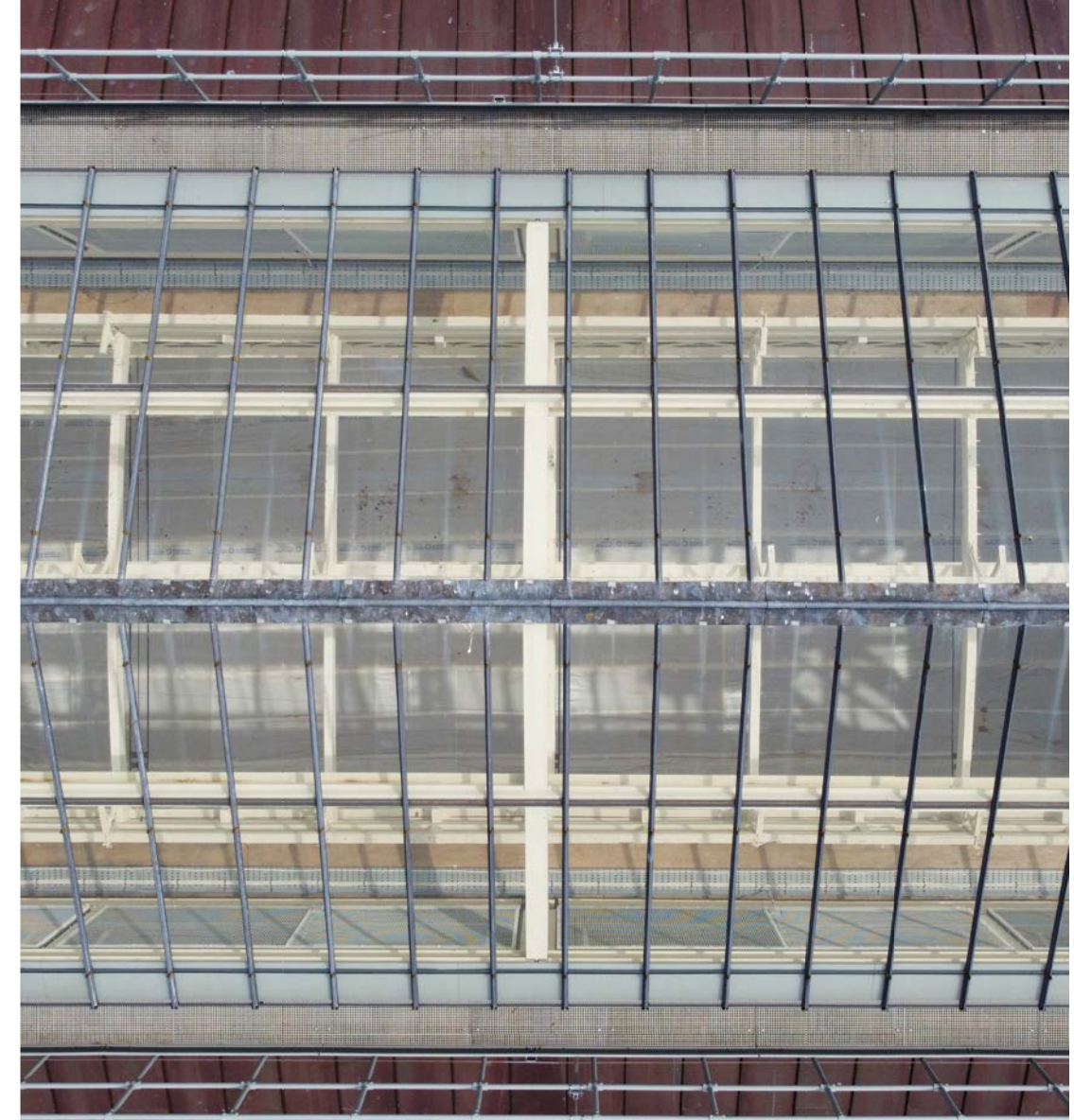
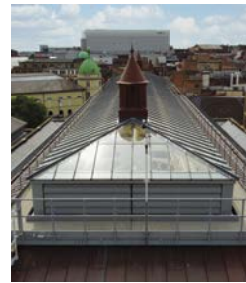
The primary objective of the project was to replicate the existing glazing system with our unique Heritage patent glazing solution, encompassing a total area of 650m². The restoration project was divided into two phases to ensure a comprehensive and meticulous approach. Given the protected status of this historic structure, our Heritage glazing system emerged as the ideal choice, incorporating 8.8mm laminated panes and achieving a class 2 non-fragility rating in accordance with CWCT TN66 & TN67.

Challenges and solutions

The intricacies of the project demanded careful planning and execution. Scaffolding safe working load constraints necessitated the development of a purpose-built frame for the winching of materials to the working area. Specialised lifting techniques, reminiscent of age-old methods, were employed to hoist materials individually. This unique approach, while unconventional, ensured the conservation of the historic context of Derby Market Hall.

Architect:
Pick Everard





Project outcome

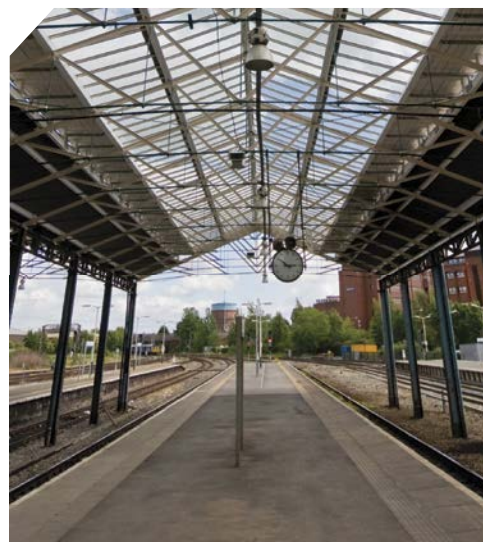
Despite the challenges posed by the roof glazing replacement, meticulous planning and expertise prevailed. The Heritage glazing system was seamlessly installed, contributing not only to the restoration of the building but also ensuring its safety and functionality. This case study stands as a testament to our commitment to preserving historical integrity.

Derby Market remains an enduring symbol of architectural and historical significance, thanks to the dedicated restoration efforts focused on its glazing system. The project showcases our unwavering dedication to blending modern solutions with heritage preservation, ensuring that this iconic structure continues to stand the test of time.

Designed for unheated spaces

Traditional Patent Glazing Systems

The Traditional glazing system remains one of our most popular choices for projects where thermal properties are not a primary consideration. This system is perfect for unheated spaces, such as railway stations, canopies, and covered walkways, offering a proven track record of success.



Key features:

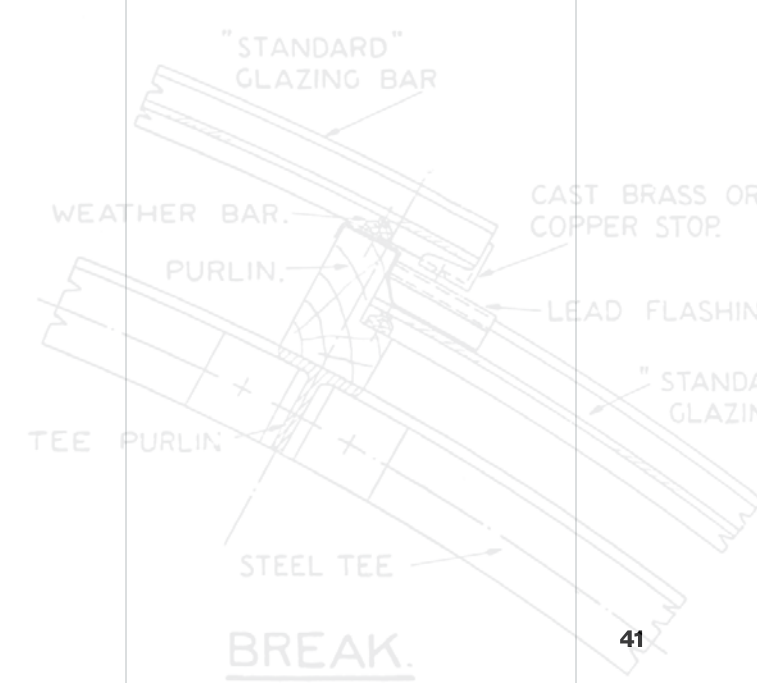
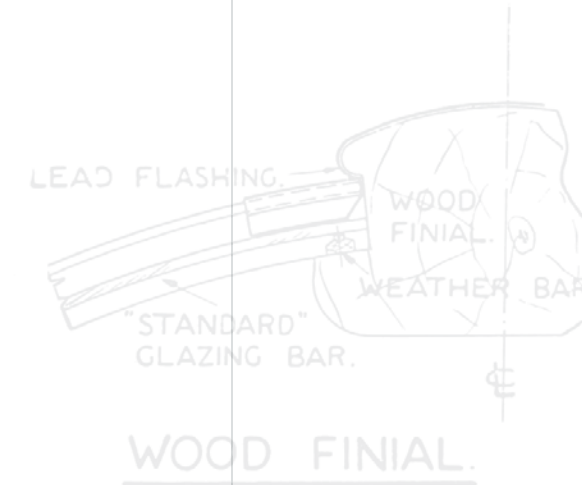
- **Proven reliability**
With over 40,000m² of this system installed in major railway stations across the UK, the Traditional Glazing System has demonstrated its durability and effectiveness in high-traffic environments.
- **Versatility**
The system can accommodate single glazing of any thickness and is also suitable for solid and multiwall polycarbonate sheets. It can even support double glazing where compliance with thermal regulations is not required.
- **Aesthetic flexibility**
The Traditional system is available with a range of outer capping options, including snap-on and screw-on wings, allowing for tailored solutions that meet the specific aesthetic needs of each project.

The Traditional Glazing System offers a combination of economy and reliability, making it an excellent choice for a wide variety of projects, from large-scale infrastructure to smaller installations.



“Standard Patent Glazing has consistently demonstrated their expertise in executing large-scale roof glazing projects with precision and innovation.”

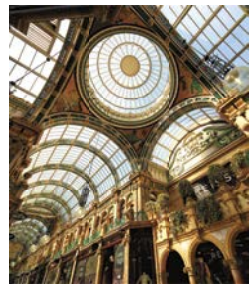
Keith White, Project Manager at Spencer Group



Designed for unheated spaces

Case study

Victoria Quarter



Leeds, UK

Project overview

The Victoria Quarter in Leeds, renowned for its historic charm and architectural significance, underwent a meticulous refurbishment to restore its fine arcade to its former glory. We played a pivotal role in this restoration by replacing over 1,000m² of patent glazing.

Glazing solution

Our Traditional type aluminium glazing system was selected for its durability and aesthetic appeal. We utilised 7mm Georgian Wired Cast glass to faithfully match the original glazing system, ensuring the preservation of the arcade's historic character.

Transformation and recognition

Since the restoration, the County Arcade within the Victoria Quarter has been celebrated as one of the most beautiful shopping centres in Europe. This accolade underscores the success of our glazing installation in contributing to the overall ambiance and allure of the arcade.

Main Contractor:

Ellenby Contracts Ltd

Expertise in complex configurations

The project presented complex glazing configurations, which were successfully handled by our in-house experts. From initial design through to manufacturing and installation, our team demonstrated proficiency and meticulous attention to detail, ensuring the seamless integration of the new glazing with the historic structure.

Conclusion

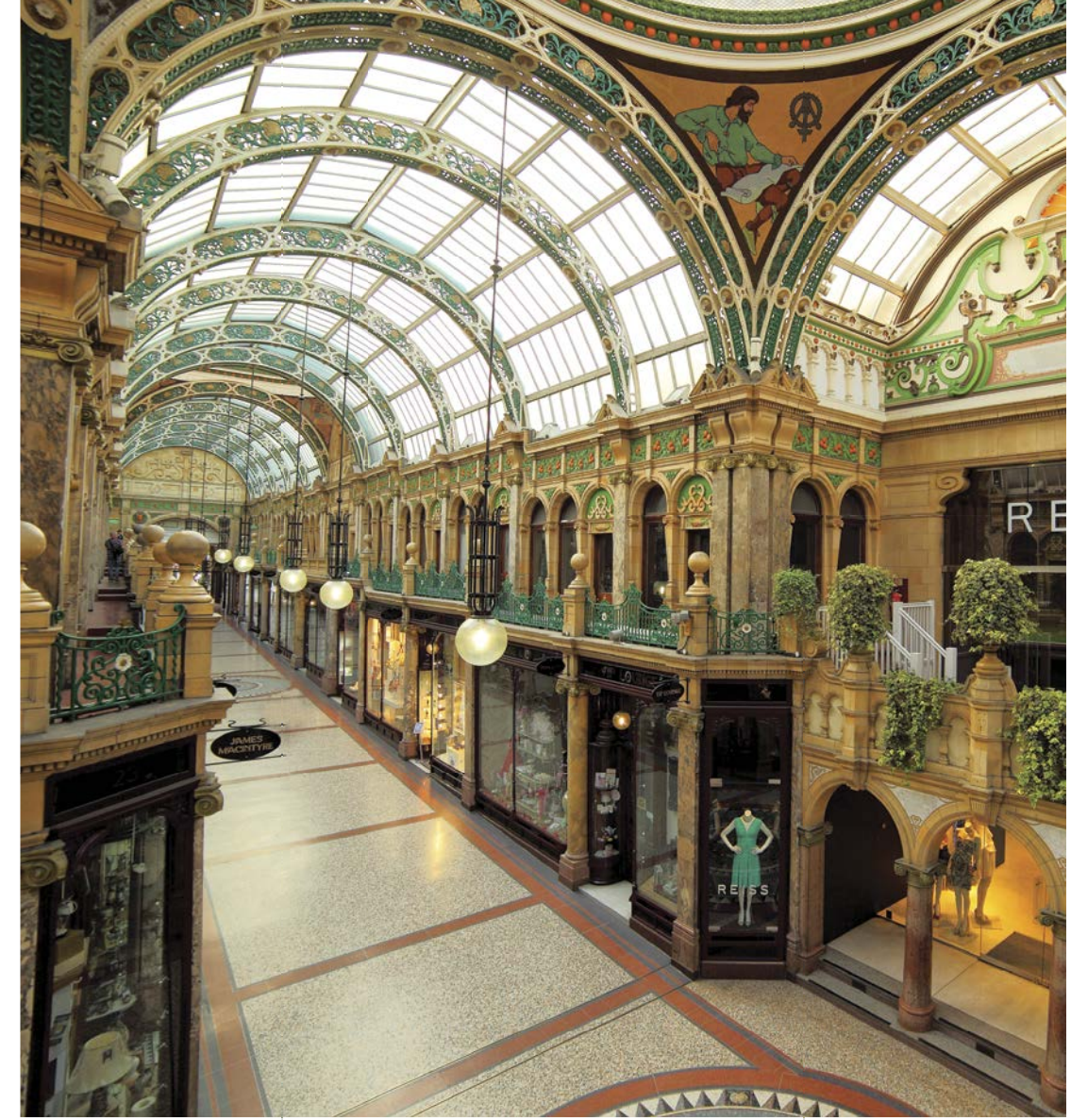
Our contribution to the Victoria Quarter restoration exemplifies our commitment to preserving architectural heritage while enhancing functionality and aesthetics through innovative glazing solutions. The successful completion of this project underscores our expertise in delivering high-quality glazing installations for iconic landmarks.

This case study highlights our capability in managing large-scale glazing projects with complex requirements, showcasing our dedication to craftsmanship and preservation of architectural heritage at the Victoria Quarter in Leeds.

Architect:

Leeds City Council





“Standard Patent Glazing’s expertise in managing complex glazing configurations was evident throughout the project. Their Traditional type aluminium glazing system, perfectly matched the original glazing. The result is remarkable.”

Chris Perrior
Senior Quantity Surveyor
Ellenby Contracts Ltd

Victoria Coach Station

Designed for unheated spaces

Case study

London, UK



Project overview

Victoria Coach Station, an iconic transportation hub in London, required our expertise for the design, manufacture and installation of 1,300m² of roof patent glazing. Our Traditional patent glazing system was chosen to enhance the terminal's aesthetics and functionality, incorporating 9.5mm laminated safety glass to meet CWCT TN66 & TN67 standards for non-fragility.

Assurance through testing

To ensure compliance and safety, we conducted an in-house non-fragility test witnessed by the Transport for London (TFL) engineering team. This rigorous testing, performed at our facility in Dewsbury, West Yorkshire, provided TFL with assurance that our glazing system could withstand impact and provide a non-fragile assembly in accordance with industry standards.

Main Contractor:
Transport For London

Bespoke access system

In addition to the glazing system, we designed and tested a bespoke access system for future maintenance. This system underwent a comprehensive testing regime at our facility to ensure durability, reliability, and ease of access for maintenance personnel, contributing to the long-term sustainability of the installation.

Project management and delivery

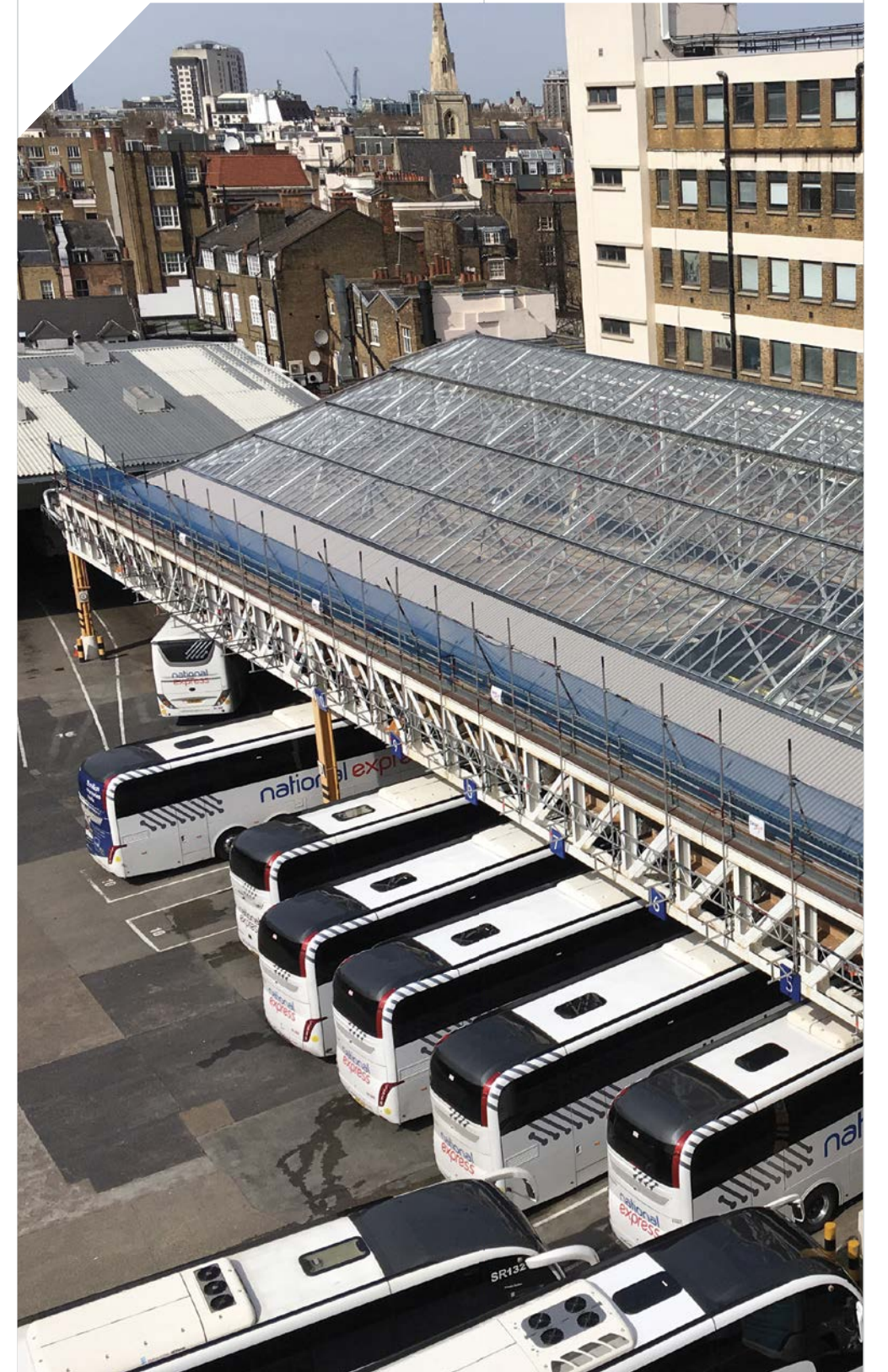
The project presented initial complexities during tender and design phases, but our dedicated in-house experts managed every aspect with precision and expertise. Despite the challenges, we successfully delivered the project within the agreed programme, ensuring minimal disruption to the operation of Victoria Coach Station.

Architect:
Transport For London

Conclusion

Our involvement in the Victoria Coach Station project highlights our commitment to delivering high-quality, safe, and functional glazing solutions for iconic landmarks. Our capability in design, testing, and project management ensures that we meet and exceed client expectations, contributing to the longevity and efficiency of architectural installations.

This case study underscores our capability in managing large-scale glazing projects with stringent safety and design requirements, demonstrating our commitment to excellence at Victoria Coach Station in London.



Designed to be economical

Our Skyline Box Glazing System

Our Skyline Box Glazing System offers an economical yet high-performing solution for roof glazing projects. This system combines strength, efficiency, and aesthetics, making it ideal for both commercial and domestic applications where visual appeal and cost-effectiveness are essential.

The strength of the Skyline Box system comes from its internal box section, which ensures durability and stability even over large spans. The system is weathered by a screw-on pressure cap, available with either plain or ornate snap-on cappings to conceal all fixing screws, ensuring a clean and polished finish.

The advantages:

- **Strength and stability**

The internal box section provides exceptional load-bearing capabilities, allowing for large, unsupported spans up to 4 metres. This makes the system ideal for expansive roof glazing projects, including shopping centres, schools, and public buildings.

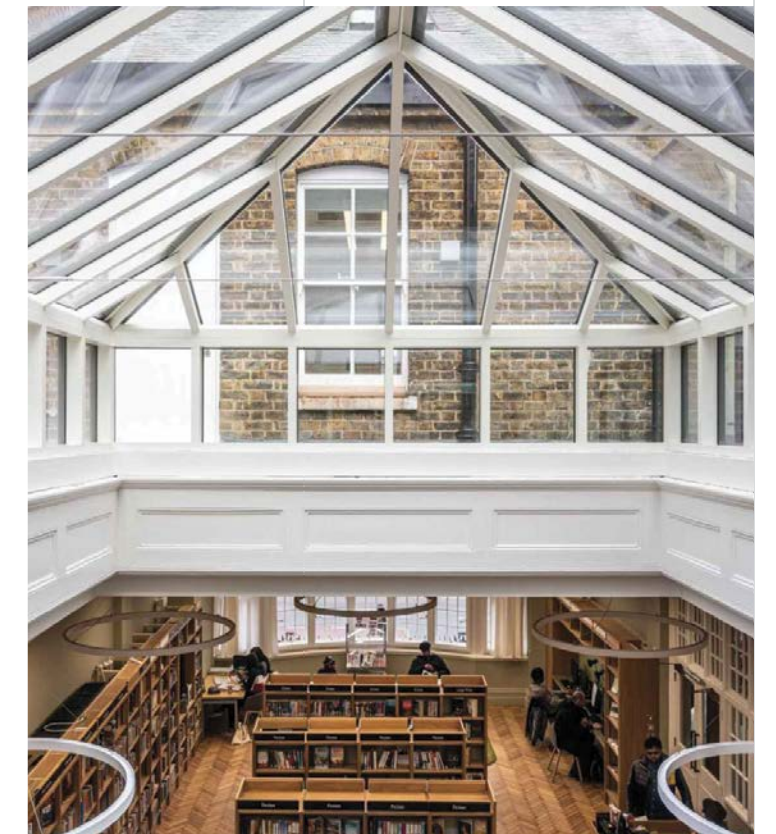
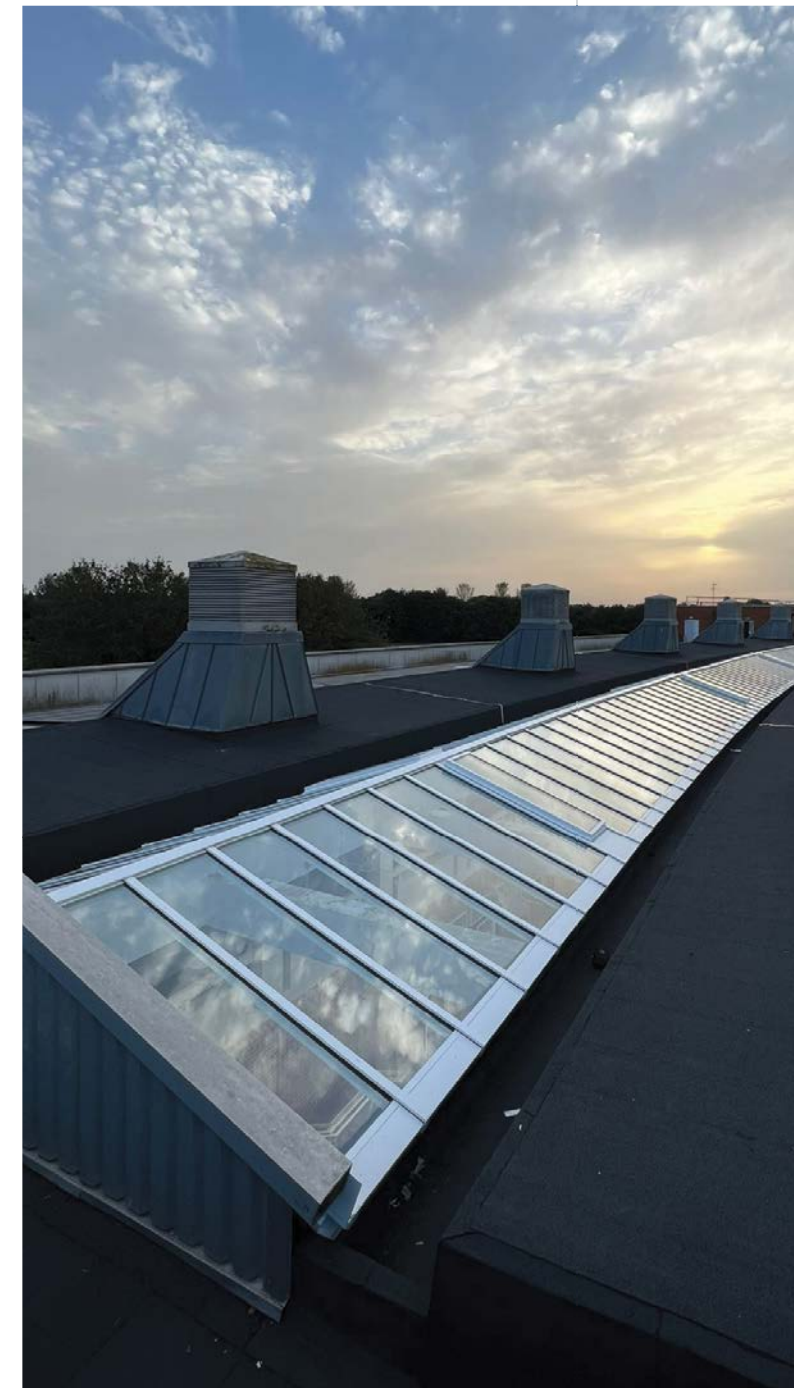
- **Thermal performance**

Available with a thermal break, the Skyline Box system complies with Building Regulation Document L, offering enhanced thermal efficiency. When used with high-performance double or triple glazing, it can achieve U-values as low as 1.4 W/m²K, significantly improving energy efficiency.

- **Aesthetic versatility**

The system is available in both plain and ornate snap-on cappings, allowing architects and designers to choose the style that best complements their project's aesthetic. The concealed fixings ensure a streamlined appearance, ideal for high-visibility locations. To span large areas makes it ideal for open-plan spaces.

The Skyline Box Glazing System provides a perfect balance of performance, aesthetics, and cost-effectiveness, making it an excellent choice for projects where both functionality and visual appeal are crucial.



Designed to be economical

Case study

Kimberley Clark Façade Works

Northfleet, UK



Phase 1: replacement façade glazing to Derelict Water Tower

In the initial phase, we undertook the installation of 1,200m² of patent glazing on a faceted façade, comprising 22 tiers. The survey of the existing structure, complicated by the complex shape, required meticulous planning. Coordination with the client and the scaffolding contractor was crucial to ensure effective installation logistics.

Challenges included negotiating protruding elements during glazing system installation. To address this, bespoke prefabricated sheet aluminium panels and weathering flashings were employed, effectively weathering the structure. Additionally, the company supplied new entrance and fire exit doors for the building.

As part of the aesthetic considerations, spandrel panels were strategically installed to conceal intermediate floors, seamlessly matching the corporate colours of the client's branding. The entire installation process adhered to CWCT standards, resulting in a successful design, manufacture and installation.

Main Contractor:
Kimberley Clark Ltd

Phase 2: replacement façade glazing to canteen and office buildings

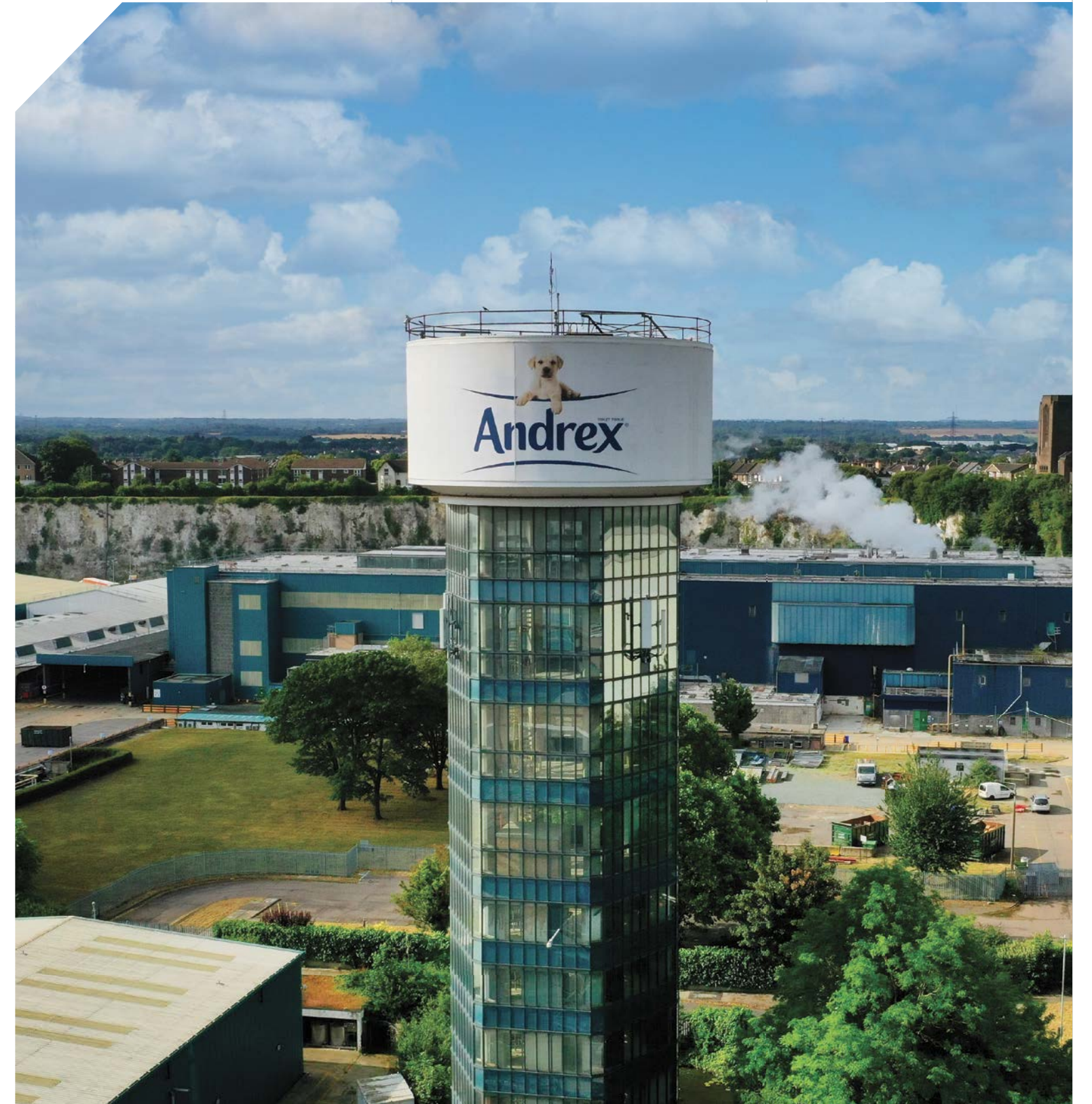
Building upon the success of the first phase, we continued as the chosen company for the second phase. Survey challenges persisted due to the existing glazing system remaining in place during the installation.

Navigating the complexities of a live building, the project team formulated a robust program of works. The installation of glass double glazed units, each weighing approx. 100kgs, required the incorporation of a specialist contract lift.

Consistency in design elements was maintained, with the installation of spandrel panels continuing to conceal intermediate floors, aligned with the client's branding. Adherence to CWCT standards persisted throughout the installation process.

In conclusion, both phases were successfully completed, showcasing the company's effective planning, coordination, and unwavering commitment to industry standards. Standard Patent Glazing Co Ltd solidified its reputation as a reliable partner for intricate façade glazing projects at the Kimberly Clark paper mill in Northfleet.

Architect:
N/A





“I highly recommend Standard Patent Glazing Co Ltd for their expertise, professionalism, and exceptional performance in delivering a successful outcome for both phases of this project. They have undoubtedly solidified their position as a reliable and expert partner.”

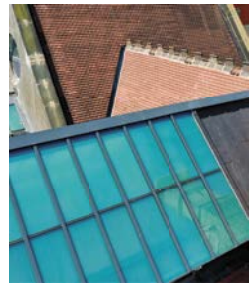
Robert Sage
Project Manager
Kimberly Clark

Heritage and Arts Centre

Designed to be economical

Case study

Oldham, UK



The transformation of the former library into a new Heritage and Arts Centre in Oldham marked an ambitious project, breathing life into a cherished Victorian landmark. The building was set to become the heart of the community, linked with Gallery Oldham, the Library, and the Lifelong Learning Centre. This endeavour, driven by Oldham Council's heritage service, aimed to consolidate local studies, archives, museum collections, and arts and heritage learning under one roof. This was a visionary step to unite services scattered across six different buildings throughout the town.

Recognising excellence

In recognition of our commitment to excellence, we proudly received the award for the highest quality standards on this project. This accolade came from none other than the Principal Contractor, Tilbury Douglas, validating our dedication to delivering exceptional results.

Main Contractor:
Tilbury Douglas Construction Ltd

Innovative roof glazing systems

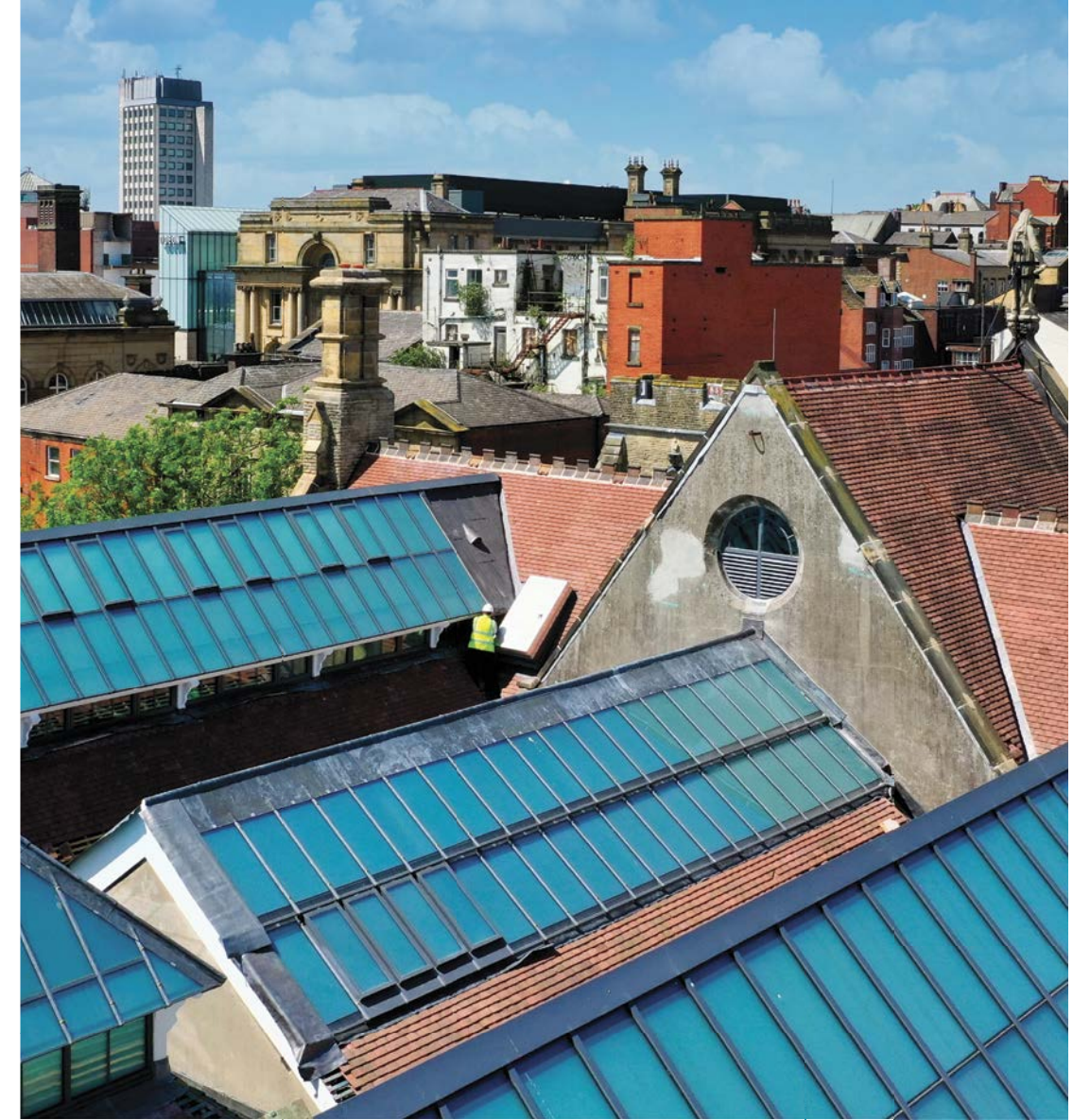
Our contribution to this project was substantial, installing a total of 360m² of roof patent glazing. We installed the Skyline box glazing system which incorporated high-performance double-glazed units designed for solar control and heat strengthening. The inner panes featured laminated safety glass, all coming together to achieve a class 2 non-fragile assembly. This approach aligned perfectly with the guidelines set forth in CWCT TN66 and TN67.

The East and West wings received automatic opening ventilators to promote natural ventilation, enhancing the comfort and efficiency of the building. These ventilators are seamlessly controlled by the Building Management System.

Additionally, our Heritage patent glazing system was implemented for the central roofs, once again utilizing high-performance double-glazed units with solar control and heat strengthening features. The inner panes were laminated safety glass, ensuring that this portion of the project also achieved a class 2 non-fragile assembly, in strict accordance with CWCT TN66 and TN67 guidelines.

Architect:
Mecanoo Architecten BV





A unique blend of tradition and modernity

We take pride in being the only company in the daylighting industry that seamlessly combines the delivery of a modern glazing system, such as the Skyline box glazing system, with the preservation of Victorian originals, like our unique Heritage system. This distinctive capability underscores our dedication to preserving historical heritage while embracing modern solutions.

Result: a heritage and arts hub

The completion of the Heritage and Arts Centre in Oldham signifies a triumph in heritage restoration and modern functionality. This transformation brought together dispersed services, fostering community cohesion and accessibility to Oldham's rich history and culture. The recognition for the highest quality standards underscores our commitment to delivering outstanding results.

This case study highlights our ability to combine modern glazing solutions with historic preservation, ensuring that cherished landmarks continue to inspire and serve the community. The Heritage and Arts Centre now stands as a symbol of both history and innovation, a testament to the power of revitalising architectural heritage for future generations.

Designed to sit in-line

Our Skyline Glazing System

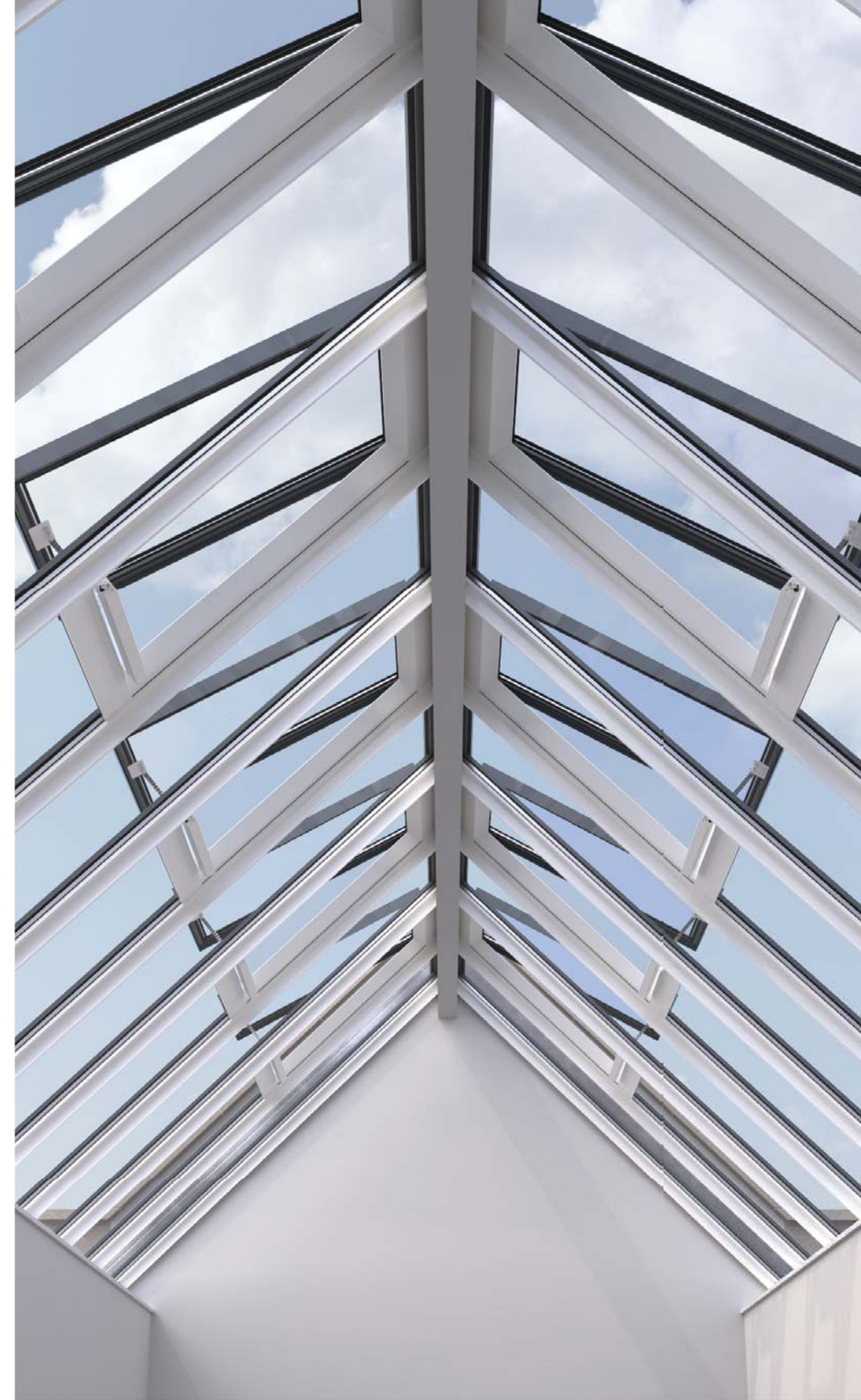
The Skyline Glazing System is designed for projects that require a sleek, modern look while offering robust performance. Ideal for both double and triple glazed rooflights, this system is perfect for commercial and domestic applications where high performance and flexibility are required.

The advantages:

- **Sleek design**
The Skyline system features slim sightlines and concealed fixings, making it an excellent choice for projects that demand a modern, minimalist aesthetic. The system can sit 'in-line' with the roof, ensuring a flush and integrated appearance.
- **Versatility**
Suitable for single, double, and triple glazing, the Skyline system can be adapted for a variety of applications, from large commercial skylights to domestic canopies. It can span up to 4 metres unsupported, providing strength and flexibility for a range of design requirements.
- **Thermal efficiency**
Compliant with Building Regulation Document L, the Skyline system ensures energy efficiency and thermal performance, making it a sustainable choice for modern architecture.



With its combination of visual appeal, flexibility, and performance, the Skyline Glazing System is a versatile solution for a wide range of architectural applications, from high-spec commercial builds to stylish residential projects.



“I worked closely with Standard Patent Glazing Co Ltd on the Queen’s Gallery project at Buckingham Palace as a Quantity Surveyor. Their Skyline patent glazing system was pivotal in maximising natural daylight while ensuring optimal conditions for the exhibited artifacts. From design to installation, they demonstrated professionalism and technical proficiency.”

Stephen Battle
Quantity Surveyor
Wates Construction Ltd

Leeds Art Gallery and Central Library



Leeds, UK

A significant renovation project encompassed a comprehensive overhaul of the Art Gallery and Central Library, involving the replacement of 1,250m² of roof patent glazing. The Architect's chosen solution was the modern and thermally efficient cruciform Skyline system.

A challenge of continuity: keeping the Central Library operational

A vital aspect of the project was the need to keep the Central Library open during the roof repair work. The roofing project at the Art Gallery brought an unexpected discovery: the original sectional barrel vault glazed roof. The imperative, however, was to ensure that roof openings remained watertight throughout the removal and installation process. This challenge was successfully navigated through effective coordination between trades.

Main Contractor:
Bermar Building Co Ltd

Sustainability in focus: efficiency, cost reduction, and art protection

The project incorporated several sustainable elements aimed at enhancing the building's efficiency, reducing costs, and safeguarding artwork and historical documents. The outdated single glazed roofs made way for a modern, thermally efficient, and sympathetically designed double glazed powder-coated system.

The high-performance double glazed units featured solar control and a satin low iron laminated inner pane, providing excellent light transmission and ensuring a high level of privacy. Furthermore, these units retained their integrity even in the event of breakage.

Logistical prowess: navigating large pitched roofs

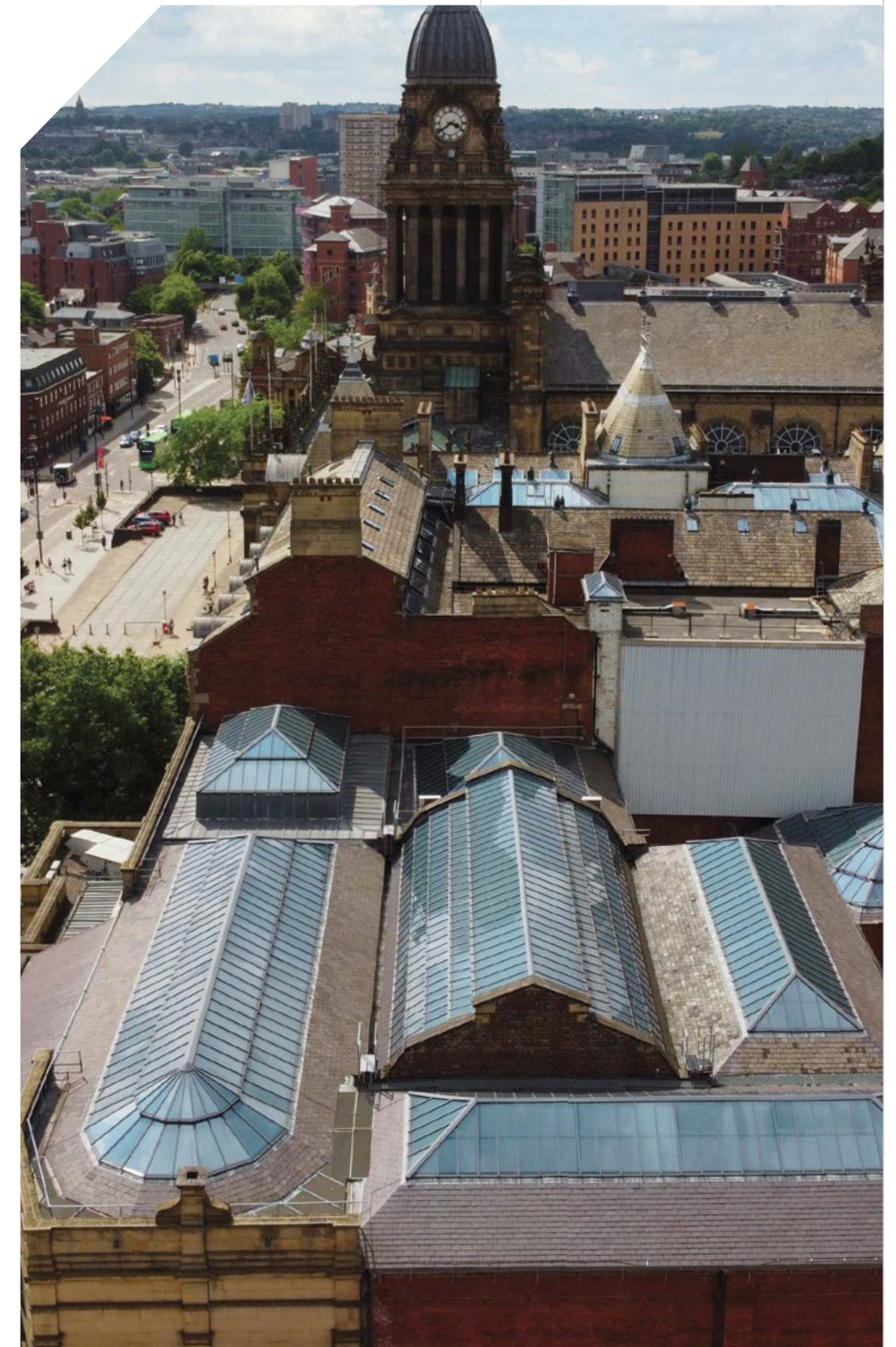
The logistics of working on extensive pitched roofs were undeniably challenging. However, our expert Installation team skilfully navigated these routes to ensure the project's timely delivery.

Architect:
NPS Group

Result: a harmonious blend of past and present

The renovation project at the Art Gallery and Central Library stands as a testament to the successful harmonisation of historical charm and modern efficiency. The introduction of thermally efficient glazing solutions not only enhances the buildings' sustainability and cost-effectiveness but also provides added protection for invaluable artwork and historical records.

This case study underscores our commitment to delivering solutions that seamlessly blend historical preservation with modern practicality. The Art Gallery and Central Library now stand as exemplars of how heritage can be preserved and improved for future generations.



Designed to sit in-line

Case study

Green Park Station

Bath, UK



Green Park Station, originally known as Queen Square Station and constructed in the 1860s, served as an operational railway station for over a century. However, in 1966, the final train from Bristol pulled into the station as British Rail decided to close its doors. Since the 1980s, Green Park Station has been under the management of The Ethical Property Company and has also found a home for the Bath Farmers' Market.

A safety concern emerges

In 2021, a piece of glass fell from the station's glazed roof, posing a potential safety hazard. Fortunately, it landed on one of the metal ceiling beams rather than striking a shopper below. In response to this incident, a safety net was installed just beneath the roof to capture any additional loose glass fragments, preventing them from falling further. Furthermore, the central area of the station was cordoned off to ensure the safety of visitors by avoiding any passage beneath the compromised structure.

Main Contractor:
Williams Southern Ltd

Evaluating the condition

Following the safety incident, our expertise was sought to assess the condition of the station's glazing system. After conducting a thorough condition survey, we compiled a comprehensive report indicating the need for a complete replacement.

The solution: Skyline Patent Glazing System

We were awarded the contract and proceeded to install our Skyline Patent glazing system, which incorporated 8.8mm clear laminated Class A safety glass. This roof glazing replacement offered an assurance of safety and replaced the prior fragile glazing system with a non-fragile assembly.

Overcoming challenges

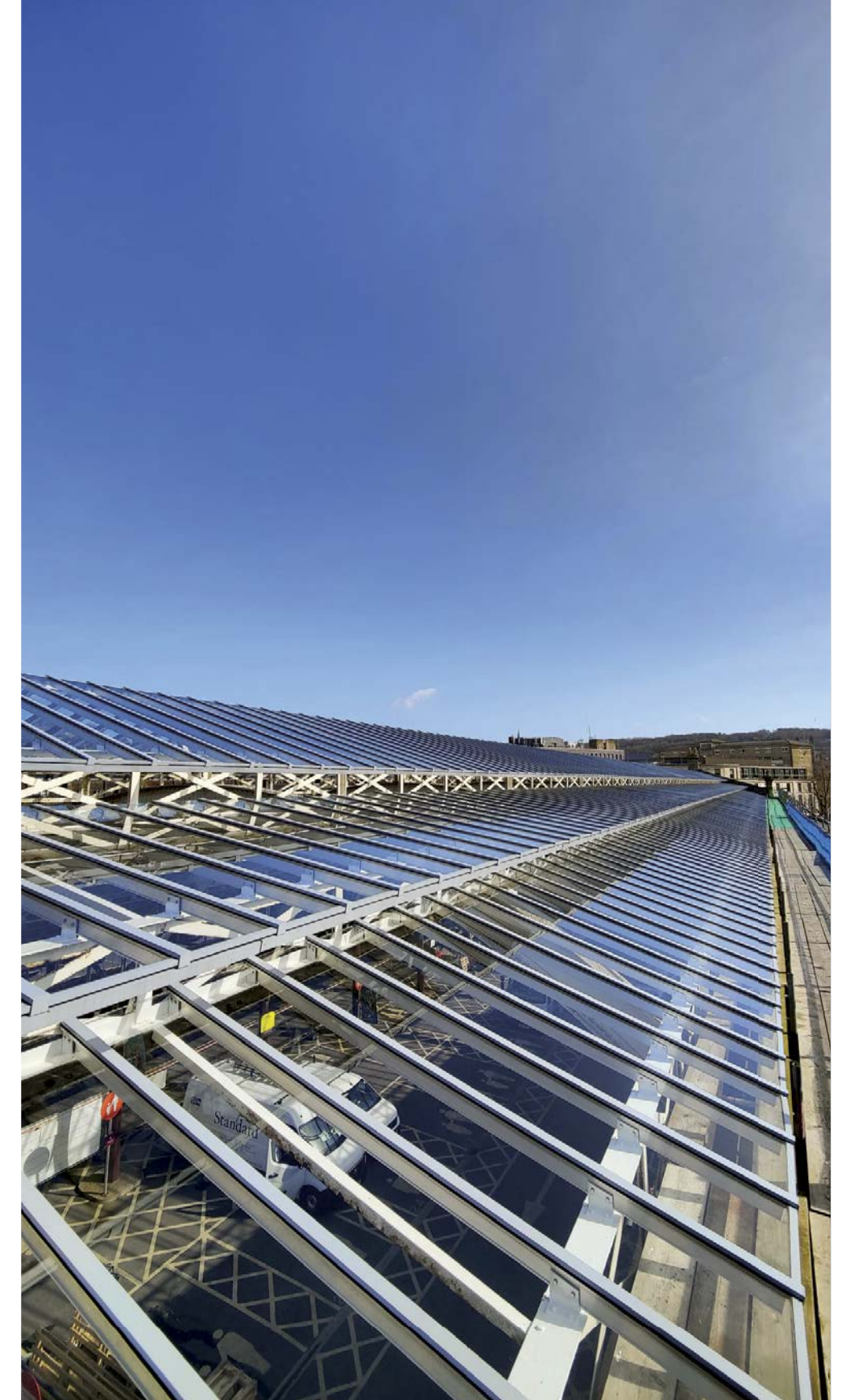
The safety netting previously installed to retain the existing glazing and the station's landlocked position on three sides created challenges for obtaining accurate dimensions during the survey. Nonetheless, relying on our expertise, we successfully gathered precise measurements, ultimately delivering the project with accuracy and efficiency.

Architect:
N/A

Outcome: a safe and renewed icon

The Green Park Station roof glazing replacement stands as a testament to our commitment to safety and the restoration of historic landmarks. By implementing our Skyline Patent glazing system with safety glass, we ensured a secure and non-fragile assembly.

This case study exemplifies our dedication to ensuring the safety of public spaces and the restoration of architectural heritage. Green Park Station now boasts renewed glazing that upholds its historical significance and guarantees the safety of visitors and occupants.



Designed for beauty

Our Rafterline Glazing System

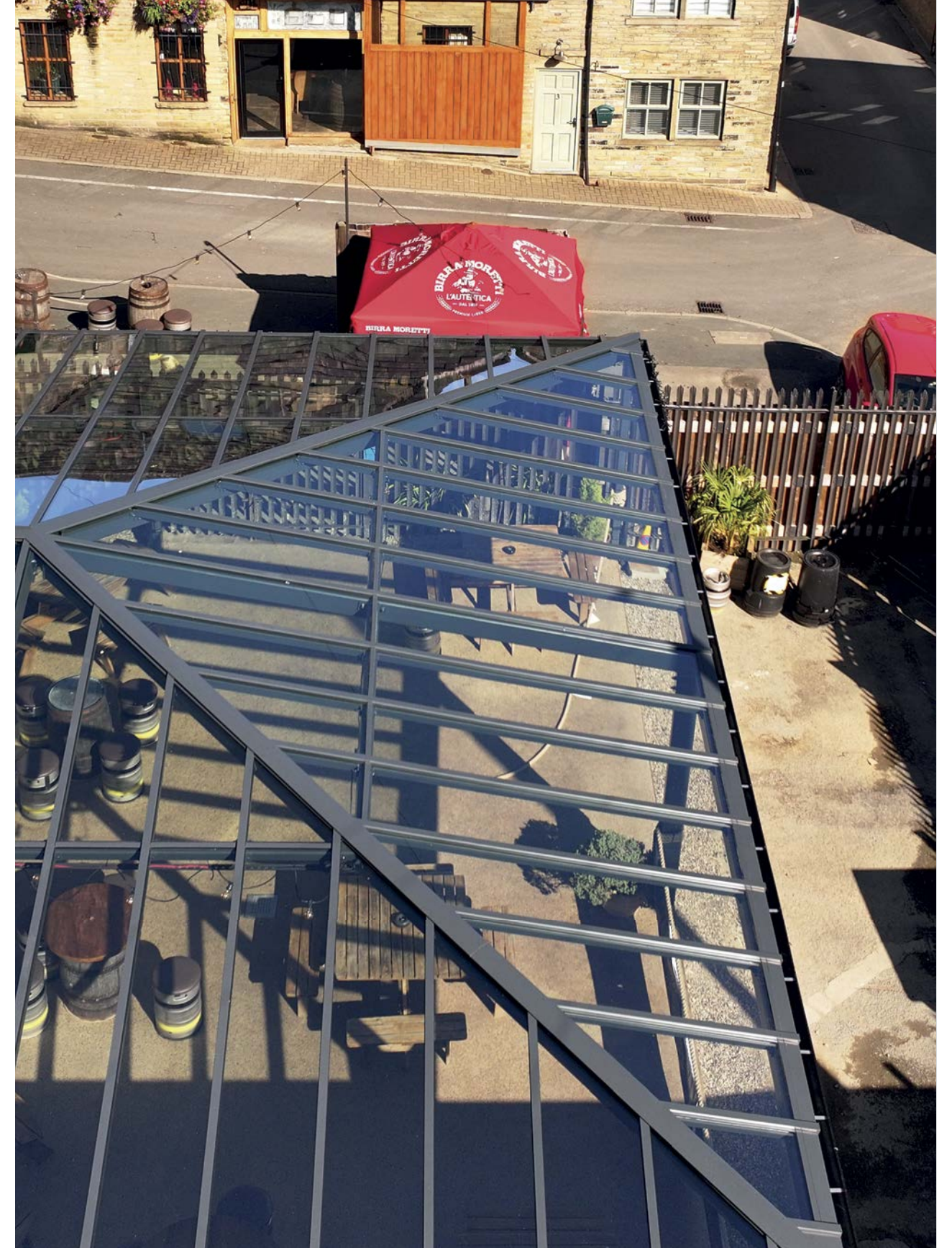
The Rafterline Glazing System is the perfect solution for projects that incorporate timber rafters into their design. This system not only provides weather protection for the timber but also enhances the visual appeal of the structure. Combining the natural beauty of timber with the durability of aluminium, the Rafterline system is a popular choice for domestic projects.

The advantages:

- **Durability**
The external aluminium cladding protects the timber rafters from weathering, ensuring longevity and reducing the need for regular maintenance.
- **Visual appeal**
The combination of timber and aluminium creates a warm and natural aesthetic that enhances the interior of any building. This system is particularly popular in domestic settings, where the blend of materials adds character and charm.
- **Flexibility**
Suitable for single, double, and triple glazing, the Rafterline system can be adapted for a variety of architectural styles, including pergolas, loggias, and canopies. Its ability to span large areas makes it ideal for open-plan spaces.



The Rafterline Glazing System provides both functionality and beauty, making it the top choice for architects and specifiers working on domestic projects that require both visual appeal and performance.



The Orangery, Ingestre

Designed for beauty

Case study



Staffordshire, UK

The 18th Century Orangery, once a symbol of elegance and charm, had fallen into disrepair. Thanks to lottery heritage funding and the relentless efforts of the 'Friends of Ingestre Orangery,' a registered charity with the sole purpose of revitalizing this Grade II Listed Staffordshire building, a remarkable transformation was on the horizon.

A new lease of life

Through a strategic blend of re-appropriation and extension, the Orangery was reborn, embracing a sustainable role as a gallery and venue space. This allowed its rich heritage to be experienced and cherished by the community once more. The resurrection of this architectural gem would not have been possible without the dedication of many.

Our task: preserving the past and the future

Our task in this ambitious endeavour was to replace the aging roof patent Orangery glazing with a modern yet thermally efficient non-structural Rafterline patent glazing system.

Main Contractor:
H.A. Briddon Ltd

We incorporated our ornate PC3 cosmetic cap into the design, infusing the glazing system with a heritage feel that paid homage to the building's rich history.

The Rafterline patent glazing bars found their place fixed to meticulously restored ornate moulded timber rafters, a labour of love undertaken by H.A Briddon Ltd. To ensure the Orangery glazing remained weatherproof, we installed lead sheet weathering flashings around the perimeter and ridge positions. In addition, we added double-pane wide opening ventilators, providing much-needed natural ventilation to the multi-use internal space.

A sustainable and safe future

This thermal efficient solution was carefully designed to reduce solar heat gain, ensuring sustainability for the future. The outer pane of Toughened Pilkington Activ Neutral not only offers solar reduction, It also offers a low maintenance solution by incorporating self-cleaning properties.

Architect:
PCPT Architects Ltd

For safety, the inner pane of laminated safety glass was incorporated, ensuring that the double-glazed units would remain secure within the glazing system in the event of breakage, enhancing the overall safety of the building.

Choosing robustness and longevity

While several non-structural glazing systems were available on the market, our Rafterline glazing system stood out due to its renowned robustness and long service life. This choice was a testament to our commitment to quality and durability.

Precision in every detail

Installing the new Orangery glazing system to the existing rafters was no small feat. With no room for error in the sleek rafter design, meticulous surveying of the timber roof structure was imperative. Our expert design and survey teams left no margin for error, ensuring an accurate installation that seamlessly blended the old with the new.





Result: a fusion of heritage and modernity

The Ingestre Orangery now stands as a symbol of the harmonious coexistence of history and modernity. The transformation of this architectural gem, infused with contemporary functionality, offers a new lease on life for the Orangery, allowing its heritage to shine brightly once more.

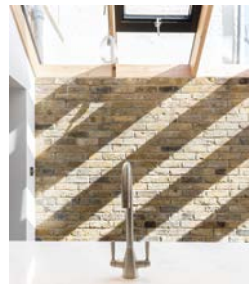
This case study underscores our commitment to preserving the past while embracing the future, ensuring that architectural treasures continue to inspire and serve communities for generations to come.

Designed for beauty

Case study

Domestic Property

London, UK



Project overview

We successfully implemented our proprietary Rafterline patent glazing system for a mono-pitched roof in a side return kitchen extension project. This system was chosen to integrate seamlessly with the client's vision of blending timber rafters internally with a robust and sleek external glazing solution.

Benefits of Rafterline System

The Rafterline system incorporated double glazed units, ensuring thermal compliance and providing abundant natural daylight into the highly specified kitchen extension. To enhance ease of maintenance, the double glazed units were equipped with a self-cleaning application, reducing upkeep demands and maintaining clarity over time.

Additional features

In addition to the 12m² of roof glazing, we supplied verge flashings for the pitched slate roof. These flashings facilitated a seamless gable termination between the roof glazing and the adjoining slate roof, enhancing both aesthetic continuity and weatherproofing.

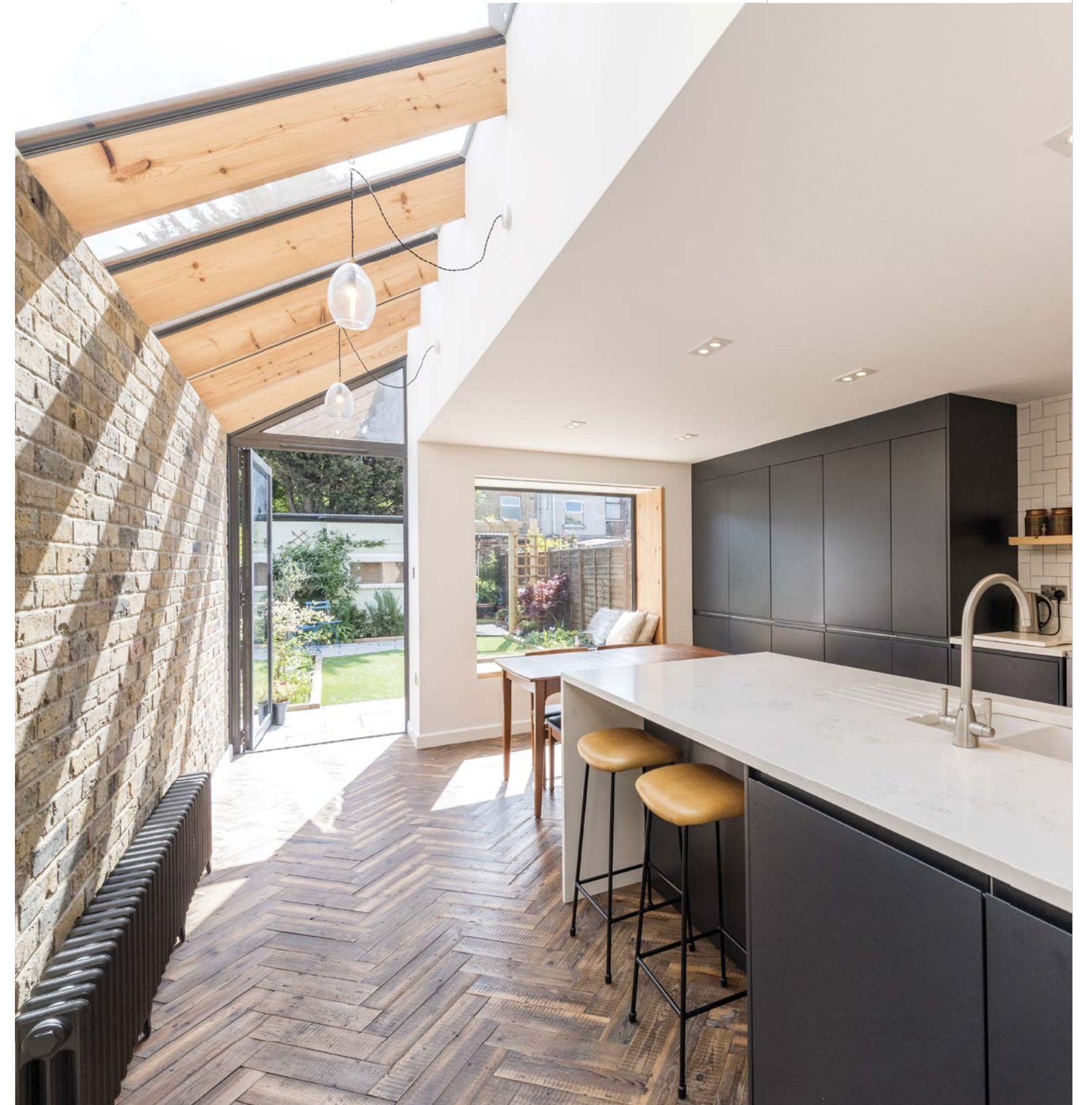
Expert delivery

We demonstrated expertise throughout the project, from design through to installation. Their meticulous approach ensured that the Rafterline system not only met but exceeded the client's expectations for functionality and aesthetics. The result was a kitchen extension flooded with natural light and a visually striking roofline that complemented the overall architectural design.

This case study showcases how we leveraged their Rafterline patent glazing system to deliver a tailored solution that enhanced both the functionality and visual appeal of a mono-pitched roof in a kitchen extension project.

Main Contractor:
The Standard Patent Glazing Co Ltd

Architect:
N/A



Designed for durability

Our Self Supporting Skylights

Our custom skylight solutions offer a stunning way to introduce natural light into any building. With designs available in hipped, gable, and polygonal formats, as well as optional glazed vertical upstand frames, our skylights are both beautiful and functional. These skylights are engineered to provide durable, weatherproof, and energy-efficient solutions for both residential and commercial projects.

Key features:

- **Custom design**
Our skylights can be manufactured in a variety of shapes, including hipped, gable, and polygonal configurations. This allows for complete flexibility in design, catering to the unique aesthetic and functional needs of each project.
- **Structural strength**
The use of structural aluminium ridge/hip and cill members ensures that our skylights are built to last. These components are designed to withstand the rigors of both residential and commercial environments while maintaining their visual appeal.
- **Weatherproofing**
Our skylights are installed on a weathered and finished flat-topped structural upstand curb, ensuring complete protection from the

elements. The finished curb must be at least 100mm wide to accommodate our cill member, providing a sturdy and secure installation base.

- **Versatility in application**
Our skylights are suitable for a wide range of applications, from residential homes looking to introduce natural light into kitchens and living areas, to large commercial spaces such as shopping centres and office buildings. The ability to manufacture skylights in sizes ranging from 1,500mm to 6,000mm wide, with customisable lengths, makes them highly adaptable for various projects.
- **Thermal efficiency**
Our skylights are compatible with single, double, and triple glazing, ensuring that energy efficiency is maintained in both new



builds and renovations. When paired with high-performance glazing units, our skylights can achieve low U-values, helping to minimise heat loss and reduce energy costs.

- **Pitch customisation**
We offer skylights manufactured in 5° increments from 15° to 45° pitch, providing flexibility to suit the architectural requirements of any project. This allows for greater design creativity and ensures that the skylights can be tailored to the specific needs of the building.

Applications:

- **Residential**
Perfect for homes, our skylights create bright, open spaces that enhance the living environment. Whether for kitchens, conservatories, or living rooms, our skylights bring natural light into the heart of the home.
- **Commercial**
In larger commercial projects, skylights help reduce the need for artificial lighting, contributing to a more energy-efficient and inviting space. They are often used in shopping centres, office buildings, and public spaces where light and openness are key to the design.

Our skylights offer the perfect balance between form and function, creating a beautiful focal point while providing durable, energy-efficient performance.



Designed for durability

Case study

Plumsted Library



London, UK

Project overview

We were engaged by NA Curtain Walling Ltd and successfully replaced 3 self-supporting hipped lantern rooflights at Plumsted Library. Our proprietary skylight system was chosen for its versatility and robustness, meeting both aesthetic and safety requirements.

Benefits of our Skylight system

The design achieved a class 2 non-fragility rating in accordance with CWCT standards, ensuring optimal safety while enhancing the architectural appeal of Plumsted Library.

Expert service delivery

Our client commended the seamless installation process and valued our end-to-end service approach, which included meticulous design, precise manufacturing and flawless installation. They appreciated that our team, comprising directly employed professionals, handled every aspect of the project, providing confidence and assurance throughout.

Main Contractor:

NA Curtain Walling

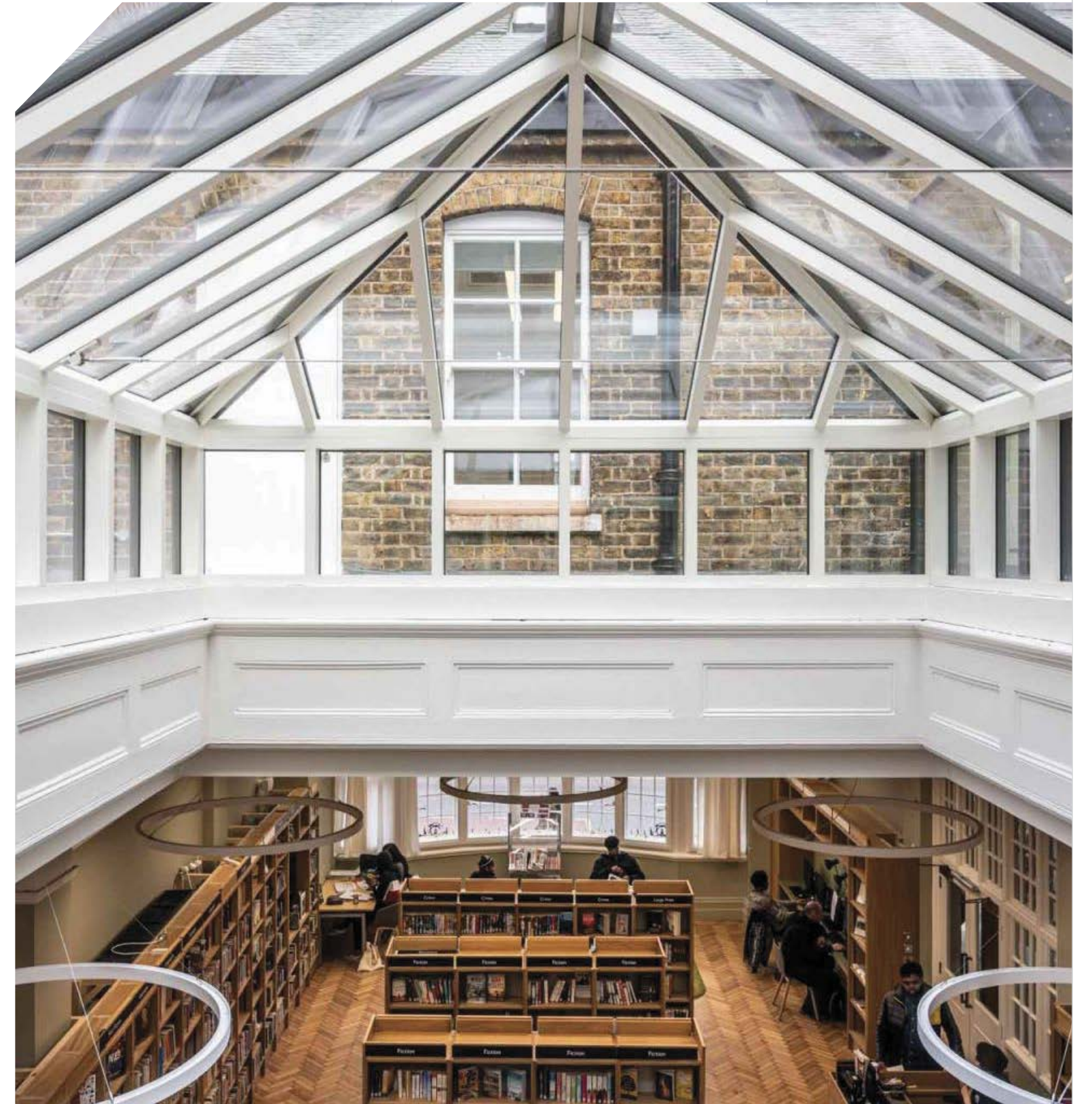
Commitment to quality

The Plumsted Library rooflight replacement project exemplifies Standard Patent Glazing Co Ltd's dedication to delivering high-quality solutions. Our comprehensive service, combined with a focus on non-fragility and adherence to industry standards, ensured the project's success in meeting both aesthetic and functional requirements.

This Plumsted Library rooflight case study highlights our capability in providing robust and versatile proprietary skylight systems, coupled with expert service delivery that encompasses design, manufacture and installation.

Architect:

Hawkins Brown Architects



Designed for durability

Case study

High Holborn

London, UK



In the heart of London, at High Holborn, a significant roof glazing replacement project unfolded, reshaping the office space to enhance its energy efficiency and functionality. This case study delves into the successful replacement of 250m² of roof patent glazing, showcasing our Heritage system, equipped with solar-controlled double-glazed units to combat solar gain and bolster thermal efficiency during a comprehensive office refurbishment.

A complex glazing project

The scope of this glazing project encompassed a multi-tiered structure, characterised by its irregular shape. Additionally, two self-supporting lantern rooflights were integrated, both of which were meticulously glazed using our unique Heritage glazing system. The intricate design and structure demanded a nuanced approach to the replacement process.

Main Contractor:
Vinci Facilities Ltd

The survey of the existing structure revealed significant structural unsoundness, necessitating a more intricate solution. Vinci Facilities, in collaboration with our team, embarked on a complete reconstruction of the irregular multi-tiered structure. This endeavour required complex design coordination to ensure the newly built structure seamlessly integrated with our Heritage system. The cooperative effort proved fruitful as we delivered the project punctually, adhering to the stringent programme.

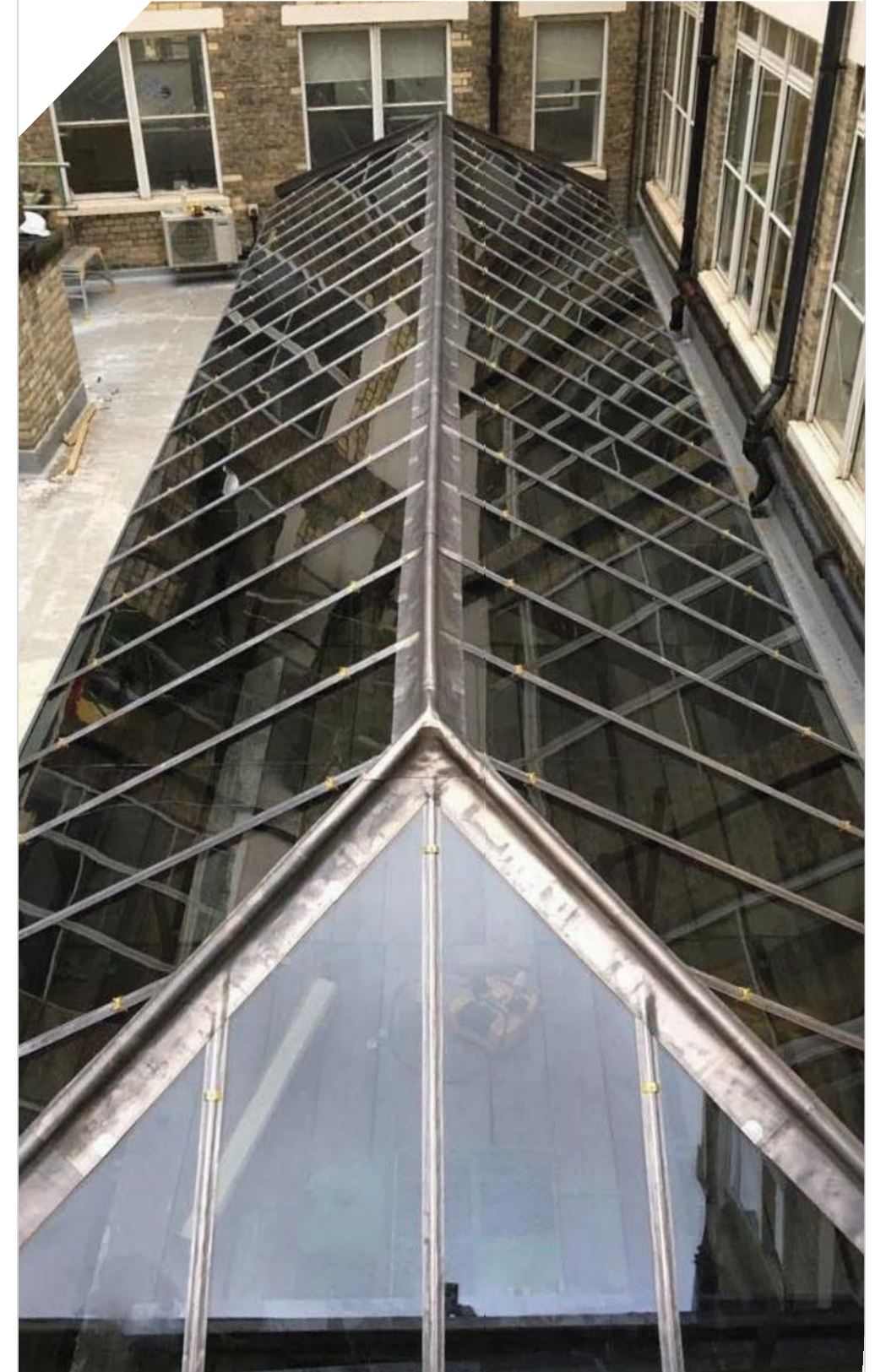
Building on the success of our previous collaboration on the roof patent glazing at The Institute of Civil Engineers Headquarters at 1 St George Street, London, Vinci Facilities entrusted us once more to deliver this unique project. Our track record of successful delivery at 1 St George Street was a key factor in Vinci Facilities' decision to partner with us again.

Architect:
Vinci Facilities Ltd

Result: enhanced functionality and aesthetic

The roof glazing replacement at High Holborn attests to our commitment to enhancing energy efficiency and revitalising spaces whilst staying true to conservation. Our Heritage system, featuring solar-controlled double-glazed units, has significantly reduced solar heat gain and improved thermal efficiency, making the office space more comfortable and environmentally conscious.

This case study highlights our adeptness in handling complex structures, responding to structural challenges, and coordinating effectively with project partners. The end result is a revitalised office space that not only looks impressive but also operates efficiently, offering a conducive environment for work and innovation.



Our Opening Vents system

Designed for everyday ventilation



Our state-of-the-art opening vents offer superior control over internal environments, our thermally broken aluminium option provides enhanced durability and energy efficiency. Available in both single and double glazing, these vents are suitable for a wide range of applications, from sloping to vertical installations.

Key benefits:

- **Durability**
The vents are welded using cutting-edge robotic technology, ensuring stronger and more weatherproof joints compared to traditional crimped or cleated designs.
- **Slim sightlines**
The low-profile design of our vents ensures a sleek and modern appearance, blending seamlessly with the surrounding glazing system.
- **Versatile operation**
Our vents can be operated manually or integrated with remote-controlled and electrical systems, making them suitable for day-to-day ventilation and integration with Building Management Systems (BMS).

The addition of opening vents to your glazing system ensures optimal ventilation and environmental control, enhancing both the comfort and energy efficiency of the space.

Key features:

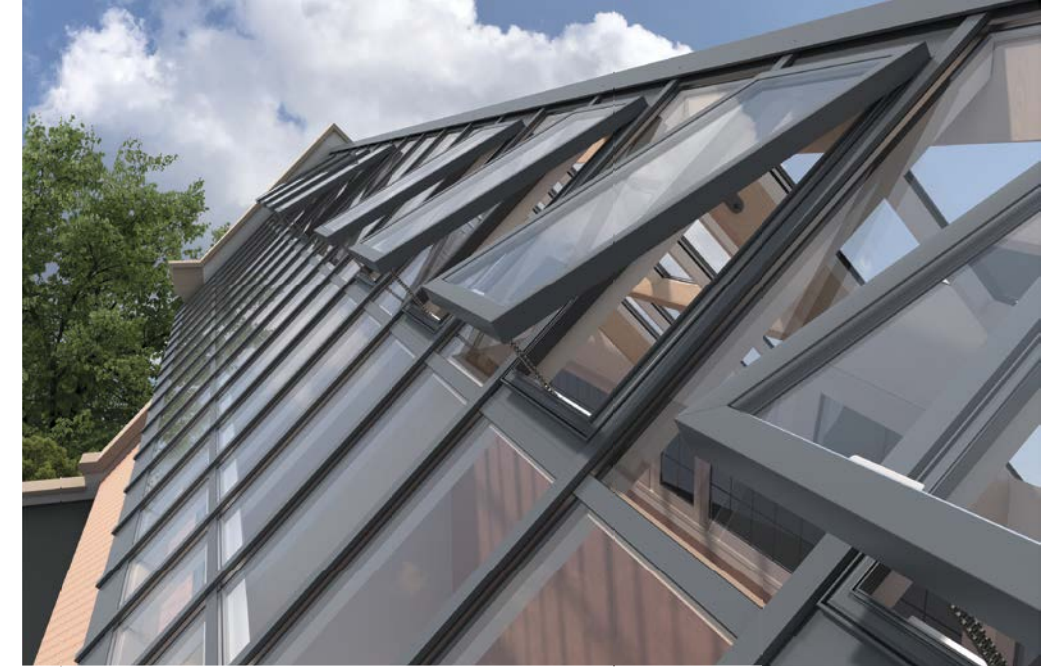
- **Size specifications**
Single Push Point Gearing:
Suitable for vents up to 750mm wide by 1,500mm deep.

Double Push Point Gearing:
Can accommodate vents up to 1,200mm wide by 2,000mm deep, providing flexibility for various project sizes.
- **Installation flexibility**
Typically installed at the top of the patent glazing for roof applications, but can also be positioned in the centre or lower sections of the glazing by using different panel sections. This versatility ensures that the vents can be adapted to suit the specific design and functionality needs of the project.
- **Stroke length**
Depending on the size of the vent and the gearing type used, the maximum stroke length is around 400mm, providing sufficient opening for effective ventilation while maintaining a sleek profile.

- **Operational versatility**
Our opening vents can be operated using a variety of manual, remote-controlled, or electrically powered gearing systems, making them adaptable to the needs of different projects. Whether you require simple day-to-day ventilation or integration with more advanced systems such as Building Management Systems (BMS), our vents provide a seamless solution.
- **Thermal performance**
Our thermally broken option help eliminates thermal bridging, ensuring energy efficiency even when vents are incorporated into double or triple glazed systems. This makes them an ideal choice for projects where thermal performance is critical, such as in highly insulated buildings or those adhering to strict energy regulations.

Applications:

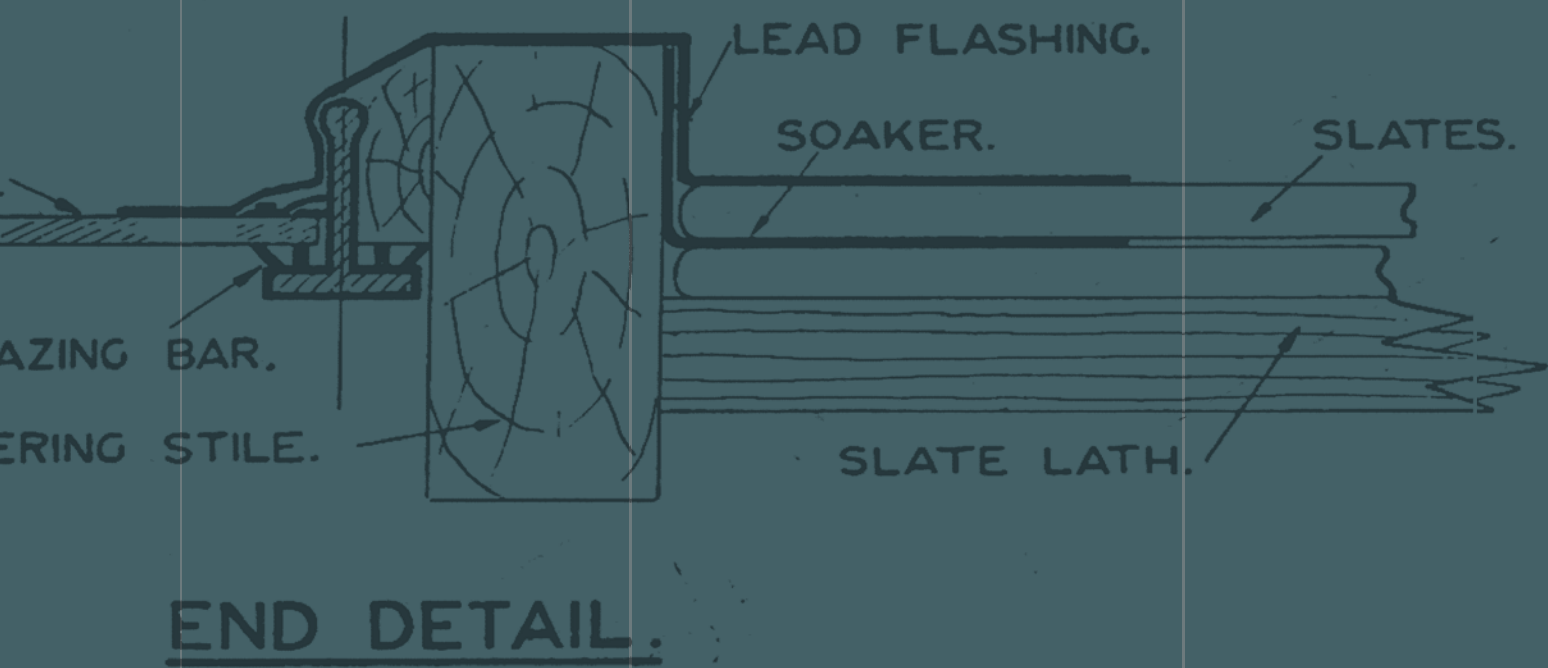
- **Commercial**
Ideal for commercial buildings where large spans of glazing require effective ventilation and environmental control. They are especially useful in shopping centres, office buildings, and educational facilities.



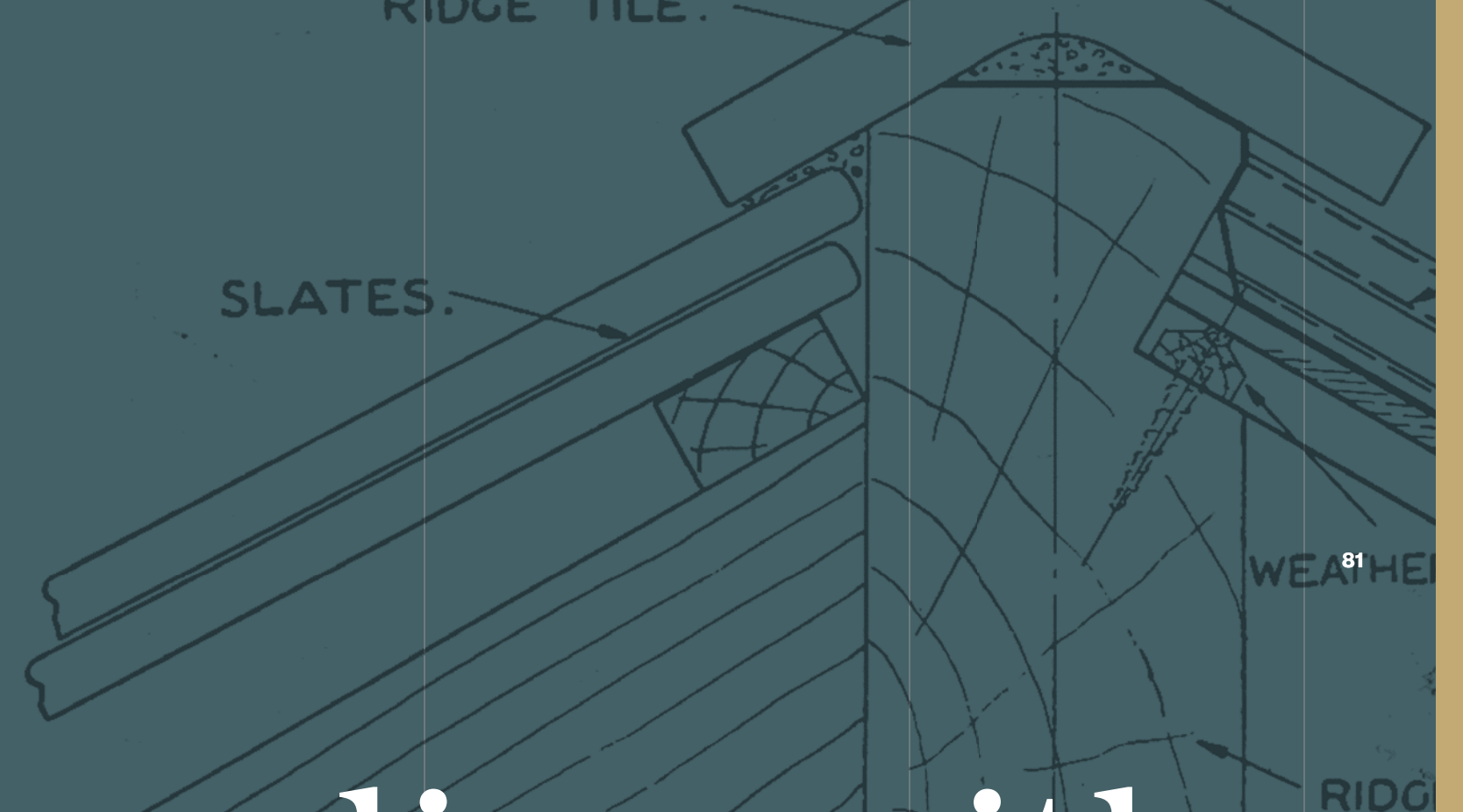
- **Domestic**
In residential projects, our opening vents provide homeowners with an easy and effective way to manage ventilation without compromising on the aesthetic integrity of the glazing.
- **Architectural integration**
The slim, low-profile design of our opening vents ensures that they integrate seamlessly with various architectural styles, from modern to traditional.
- **Weatherproofing and longevity**
By utilising robotic welding technology, we ensure that our opening vents are robust and highly weatherproof, far surpassing the durability of industry-standard crimped or cleated vent designs. This advanced manufacturing process guarantees a long-lasting, reliable solution for even the most demanding of environments.

Our opening vents not only provide functional benefits but also enhance the overall performance and aesthetics of your glazing system, making them a smart choice for both commercial and residential projects.





Leading with
sustainability,
quality and
excellence



Designed for sustainability

Sustainability is at the heart of all we do

We take the future of the environment seriously and is committed to addressing the challenges of environmental management. Recognising our responsibility, we strive to minimise the environmental effects of our actions while setting objectives and targets for continuous improvement.

As specialists in the design, manufacture, and installation of Patent Glazing Systems for projects across the UK, we are dedicated to the effective environmental management of all our activities, products, and services. Our systems are designed to enhance the environmental performance of buildings by maximizing natural light and energy in areas often inaccessible to traditional windows. By doing so, we contribute to reducing the energy demands of buildings while helping clients achieve practical and sustainable solutions in line with current legislation and standards.

Our approach goes beyond product innovation. We actively manage the environmental impact of all aspects of our operations, including those related to our head office, design processes, and manufacturing facility in Dewsbury. This includes adhering to the international environmental management standard, ISO 14001, which we have proudly upheld since achieving third-party certification on 1st September 2011.

Our commitment to pollution prevention, legal compliance, and continual improvement remains at the forefront of our business.

In addition to providing industry-leading glazing solutions, we collaborate closely with clients to address their environmental and sustainability concerns. Our expertise ensures that we deliver solutions tailored to their specific needs while meeting rigorous environmental standards.

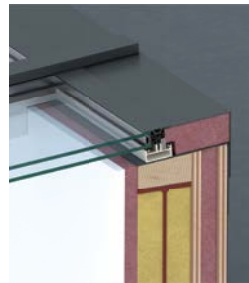
This approach aligns seamlessly with our Health and Safety and Quality endeavours, and broader business practices, reflecting our holistic approach to sustainability. By combining cutting-edge design with responsible operations, we are paving the way for a greener, more sustainable future for the built environment.

We remain dedicated to balancing innovation with environmental stewardship, enabling our clients to meet their sustainability goals while preserving architectural integrity. Together, we can create a legacy of sustainability and excellence for generations to come.



Designed for regulations

Commitment to regulatory and quality standards



Throughout our long history, our technical directors and experts have played a pivotal role in shaping the standards that govern patent glazing systems in the UK. We have been key contributors to the ongoing development of BS 5516 and other glazing-related standards, helping to ensure that they reflect the latest advances in technology, safety, and environmental performance.

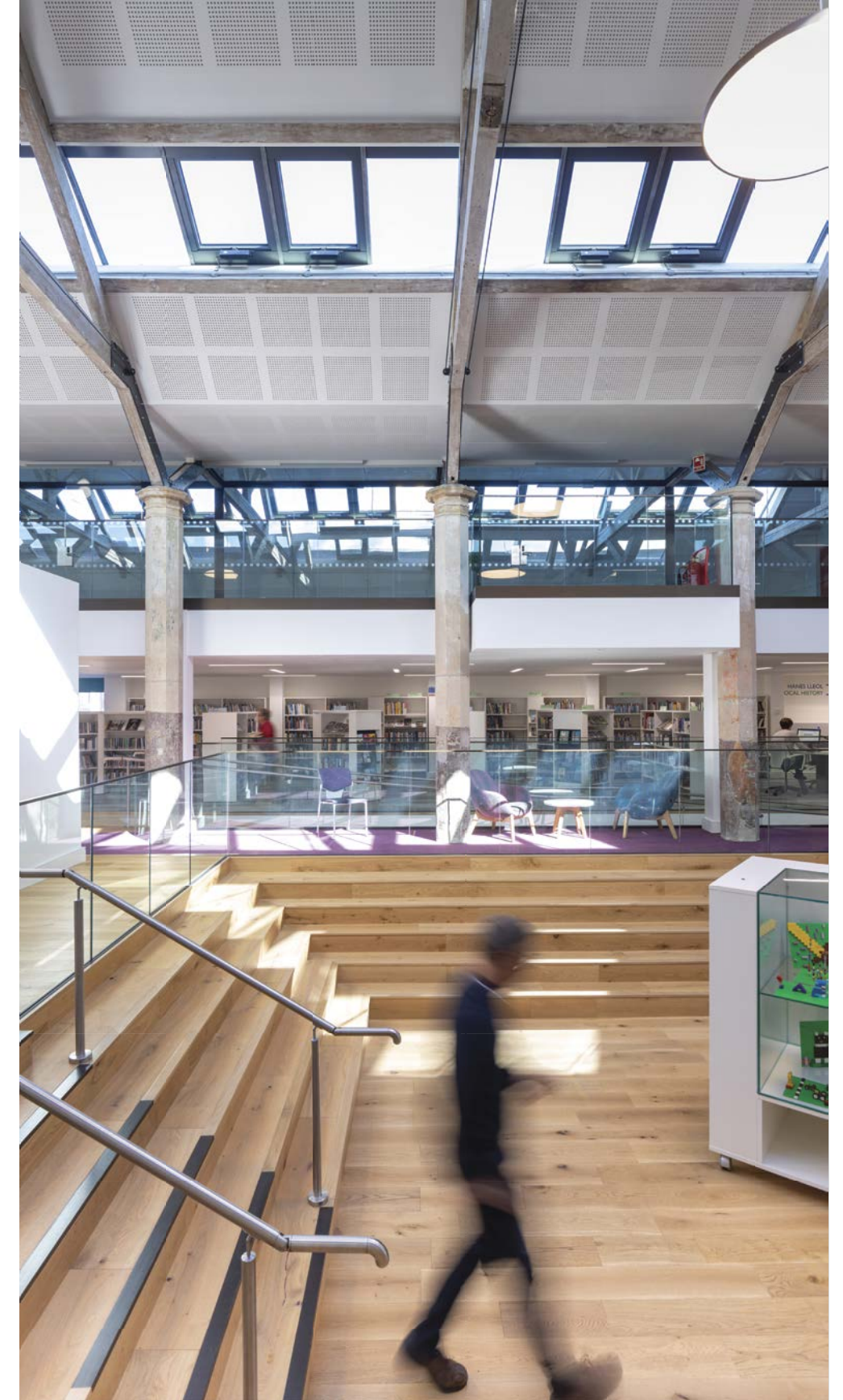
Our active participation in the development of industry standards underscores our commitment to maintaining the highest levels of quality and compliance.

We are also proud members of several industry trade bodies and associations, which keep us connected with our peers and allow us to contribute to the evolution of the industry. This network provides us with valuable insights and ensures that we stay ahead of regulatory changes and technological advancements.

To ensure compliance with current regulations and best practices, we offer a comprehensive condition survey service for architects, building owners, and contractors.

This service is particularly valuable for renovation projects, where existing roof glazing systems may need to be assessed for compliance with modern standards.

Our surveys provide detailed reports on the current condition of glazing systems, including compliance with BS 5516, as well as recommendations for upgrades, repairs, or replacement.



Designed for British Standards

Exceptional performance for years to come

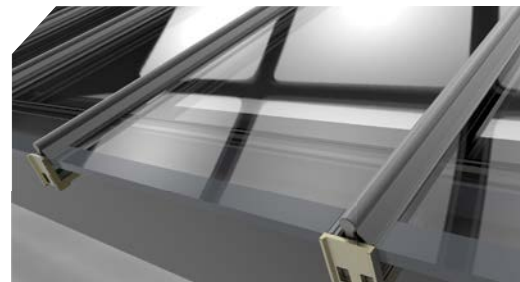
We take our responsibility to adhere to the highest regulatory and quality standards seriously. Our commitment to British Standards and industry regulations ensures that every project we undertake is safe, compliant, and built to last. For over a century, we have been at the forefront of setting and maintaining these standards within the patent glazing industry, helping to shape the future of roofing and glazing practices across the UK.

Our systems, from design to installation, meet or exceed the requirements set forth in British Standard BS 5516, which governs the design and installation of sloping and vertical patent glazing. This standard addresses key areas such as structural integrity, weatherproofing, safety, and thermal performance. By adhering to these rigorous guidelines, we ensure that our glazing systems not only provide outstanding aesthetic and functional value but also offer long-term durability and compliance with all relevant building regulations.

BS 5516: Leading the way in patent glazing standards

The BS 5516 British Standard for patent glazing is an integral part of our design and manufacturing processes. This code of practice outlines critical requirements for ensuring that sloping and vertical patent glazing systems can withstand the environmental and structural demands of modern buildings.

Our team of experts has been closely involved in the development and continuous improvement of these standards, demonstrating our commitment to quality, innovation, and safety.



Design and safety

- BS 6262-4 Glazing for buildings. Safety related to human impact.
- BS EN 1991-1 Loading for buildings. Code of practice for dead and imposed loads.
- BS EN 1991-1-4 Loading for buildings. Code of practice for wind loads.
- BS EN 1999-1 Structural use of aluminium. Code of practice for design.
- BS EN 12056-3 Gravity drainage systems inside buildings, roof drainage, layout and calculation.
- BS EN 14024 Metal profiles with Thermal Barriers. Mechanical Performance, proof, tests & requirements.

Thermal and quality

- BS EN ISO 10077-1 Thermal transmittance & performance calculation of windows, doors & shutters, part 1.
- BS EN ISO 10077-2 Thermal transmittance & performance calculation of windows, doors & shutters, part 2.
- BS EN ISO 12567-1 Determination of thermal transmittance using hot box method, Part 1.
- BS 8000-0 Workmanship on building sites. Code of practice for glazing.
- BS EN ISO 9001 Quality management systems – Requirements.

Finishes

- BS 3987 Specification for anodic oxidation coatings.
- BS 4842 Specification for liquid organic coatings.
- BS 6496 Specification for powder organic coatings.
- BS EN 12206-1 Paints and Varnishes.
- BS EN 12373-2 Aluminium and aluminium alloys
- BS EN 1774 Zinc and zinc alloys.
- BS EN 10268 Cold-rolled flat products.
- BS EN 12844 Zinc and zinc alloys.

- BS EN ISO 3506-1 Mechanical properties of corrosion-resistant stainless-steel fasteners.
- BS 3382 (various) Specification for electroplated coatings.
- BS 6338 Specification for chromate conversion coatings.
- BS EN ISO 1461 Hot dip galvanized coatings.
- PD 6484 Commentary on corrosion.

This is only a selection of standards. For a fully comprehensive list of the British Standards and BS EN standards that our glazing systems comply with, please visit our website.



LEAD FLASHING TO RUN FULL LENGTH OF ROOF DRESSED ONTO GLAZING AND ANY ADJACENT SHEETS

ASBESTOS RIDGE CAPPING WITH CLOSE FITTING WING TO SHEETED SLOPE & PLAIN WING TO GLAZING

LEAD CLOTHED BARS

- UP TO 11'0" 2 1/2"
- UP TO 9'6" 2 1/4"
- UP TO 7'6" 2"
- STALUMIN BARS 2"
- LEAD WINGED BARS 2"

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Designed with consideration

Maintaining the highest level of quality



Committed to excellence

We continuously improve our processes and embrace the latest technologies to ensure our glazing solutions are innovative and dependable. By completing every task with precision and care, we deliver defect-free products that perform perfectly from the start.

Our client's satisfaction is our priority. Our dedicated team works closely with customers and specifiers to provide solutions tailored to your specific needs, ensuring that every project runs smoothly and successfully.

The trusted partner for daylighting solutions

We understand that our customers need glazing systems that meet high standards while delivering reliable, long-term performance. By strictly adhering to British Standards, we ensure our products and services comply with regulations and exceed expectations.

We provide a comprehensive, turnkey solution, delivered by our team of directly employed experts. From design to installation, every stage of your project is handled by skilled professionals, ensuring consistency, quality, and a seamless experience.

Weather resistance

Our roof glazing systems are essentially capable of being glazed without a pitch at all. However we don't recommend installing roof glazing at very low pitches for a number of reasons.

Firstly the rainwater will not disperse effectively from the glass from the glass leaving unsightly tide marking.

If the rainwater is not able to shed naturally from the glass due to a sufficient slope within the design then it will dissipate through evaporation. Fine? Well no, not really. Dust in the air will be caught by the raindrops and the evaporation of the water will leave a series of 'water marks' on the glass which will build up over time. This again is not a problem if the roof glazing is subject to a regular cleaning schedule. So please do ensure that if you are designing roof glazing with a very shallow pitch that there is easy access to the roof glazing to allow for cleaning on a regular basis. If this isn't carried out then it won't be long before not just water marks are on the glass but a full garden beginning to take root!

Opening vents and low pitched roof glazing

We have a strict policy no opening vents will be installed on roof glazing below 5°. It is not possible to prevent rainwater from ponding within the outer opening vent framework at pitches below 15° and although this would not cause leakage of the system at first, allowing standing water to remain on the framework for long periods in the colder, wetter months would cause an accelerated deterioration of the seals.

Maintenance

Periodic cleaning of the glazing to remove dirt and the build up of debris will be required to keep the glazing system in a good order and to avoid the loss of light transmission from the glass. Certain glass products can be subjected to thermal stresses if the panes are left unclean for prolonged periods of time.

Aluminium sections with powder coated or anodised finishes must also be cleaned regularly to conform to the terms of guarantee.

For more information on cleaning and maintenance please visit our website, where you can download and refer to our manual.

Health and safety

We are deeply committed to health and safety. All of our employees are fully aware of their responsibilities in this regard and our relevant staff hold the necessary qualifications for their roles. These include NEBOSH, IOSH, SSSTS, SMSTS, CSCS, PTS, PAL-IPAF, First Aid, and PASMA certifications.

Our commitment to Health and Safety standards extends to continuous professional development through our ongoing CPD programme. Employees regularly attend training courses aligned with their individual development plans, ensuring they remain current with industry standards and practices. Our in-house health and safety practitioners, along with our management and consultants, conduct regular Tool Box talks and implement our annual 'Safety Action Improvement Plan.' This approach maintains an unbroken cycle of dedication to health and safety, reinforcing our promise to uphold the highest standards in all our operations.

“The commitment to Health and Safety has been underpinned by the company's efforts on training across the workforce. This has included CITB, CSCS & First Aid. We are understandably very proud to have been the company awarded with the prestigious title 'Best Health and Safety Performance.'”

Award for Best Safety Performance for Less than 50 employees



Designed to support

From design to
aftercare, we handle
every aspect
of your project.



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