

NINEZERO

TIMBER WINDOWS AND DOORS

Thank you for considering Nine Zero

Contents

Introducing Nine Zero	03
Our ethos and what we do	05
The Process Timeline	06
Heritage Timber Sash Windows	10
Timber Casement Windows	18
Timber Entrance Doors	24
Timber French Doors	32
Bi-fold Doors	34
Finishing Touches	36
Client Story	38
Technical Drawings	40
Warranties	45
Our Future Environment	47
Box Sash Windows	48
Double Doors (Open In)	50
Double Doors (Open Out)	52
Flush Casement Window	54
Single Door (Open In)	56
Single Door (Open Out)	58
Spring Balance Sash Window	60
Forest to Frame - Sustainability Responsibly sourced	62
The Art of Glass	64

The images in this brochure are for illustrative purposes only. They have been included to provide a visual representation and an idea of the intended aesthetic. The actual design finish and layout may vary from project to project.

**WE ARE A CREATIVE SUPPLIER
OF BESPOKE TIMBER WINDOWS &
DOORS BASED IN THE NATURALLY
STUNNING LANDSCAPE
OF CORNWALL.**



Introducing Nine Zero

Nine Zero creates and supplies unique traditional timber products that are rooted in British craftsmanship. Perfecting our products over the past ten years, the aim is to set standards above the humdrum of mass production. We offer an extensive range of carefully crafted profiles including Sash Windows, Casement Windows and a variety of Doors.

Our wooden windows and doors are proudly made in our Cornish workshop by accomplished craftsmen, with meticulous attention to detail and state of the art technology. We made the decision to begin production in the South West of England to overcome the difficulty of an extended supply chain and support local community.

From period and historic buildings to modern urban designs our products have been specifically designed to suit every character and style of property. Our experienced teams focus is to provide bespoke timber products, tailored to suit the requirements of a vast range of projects.

We deliver Nationwide working on a 8-10 week lead time all year round from order confirmation to delivery. We welcome all of your enquiries.

A unique service

The founding ideas for our products were inspired by the beautiful, traditional homes in London and Surrey. Our experienced team is made up of qualified designers and joinery experts who are here to ensure that both the product and service our clients receive is at the forefront of the industry.

Nine Zero all share a refreshing view on manufacturing timber windows and doors. Combining age-old tradition and craftsmanship with the latest in CNC technology, Nine Zero manufactures the highest quality timber windows and doors on the market with industry leading warranties and security credentials at SBD level.

Sustainable manufacturing

At the Nine Zero factory, we have a unique understanding of how manufacturing affects our planet. We are committed to sustainable design in each and everything we do, actively working to reduce our carbon footprint and impact on the environment. By manufacturing and supplying in the UK, only using FSC certified engineered timber for all of our products and recycling all our timber waste on the local surrounding farms, Nine Zero sources all its electricity from sustainable sources and is greener than most.

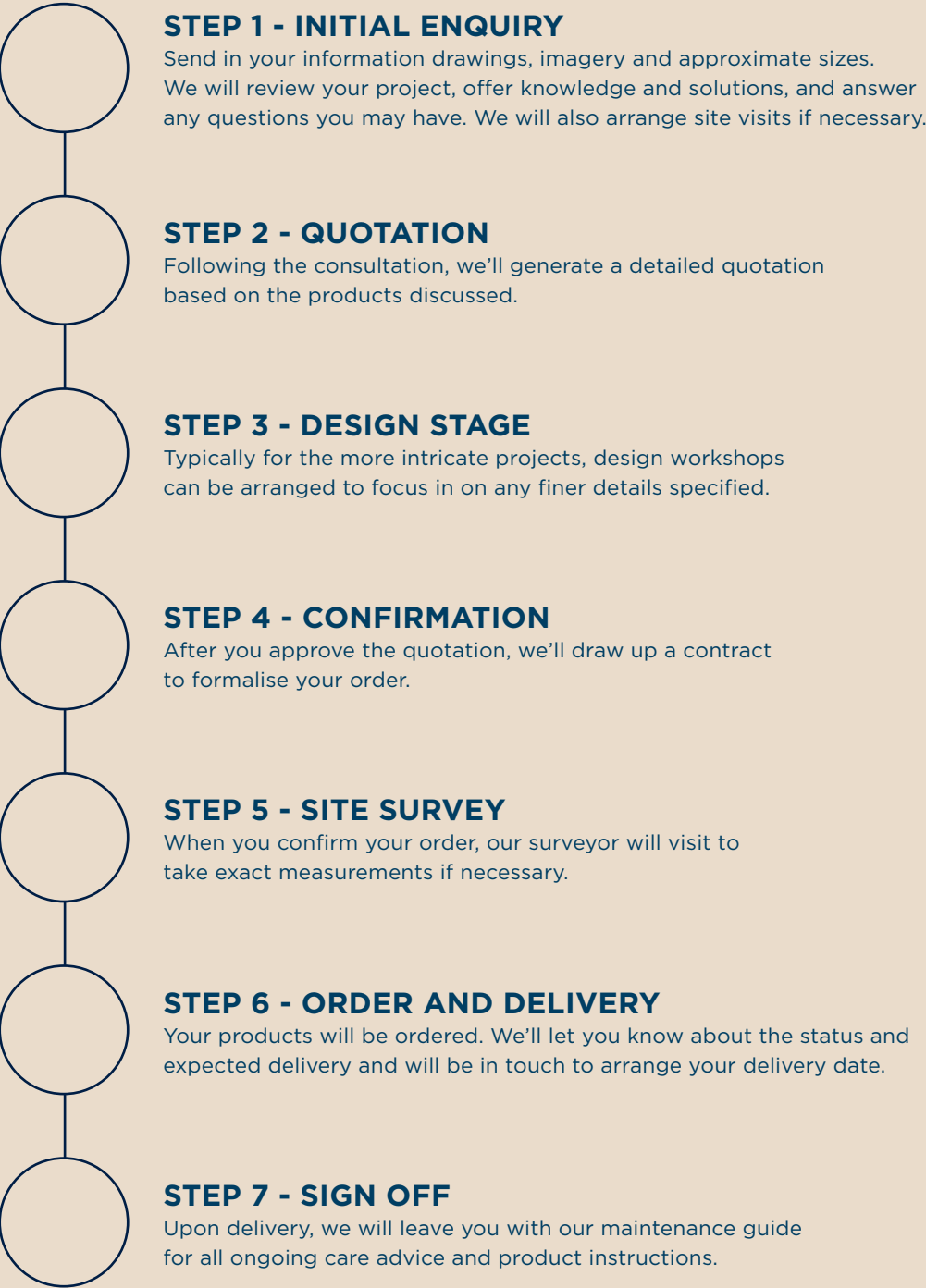
Our ethos and what we do

Our goal is to provide an honest, friendly and reliable service. As experts in our field, we are continually striving to improve the service we offer and our locally based team have a clear understanding of property and conservation areas that you cannot find anywhere else, which is why we are commonly specified by our trusted architectural and contractor businesses. You will receive director level approachability throughout the designing process.

Our range of key products are manufactured in the UK and have been designed specifically to suit your requirements. We are committed to ensuring that the quality of our products and service remain consistent throughout our entire design and order process, resulting in very satisfied customers. If assistance is needed for installations we can organise quotations from our approved installer teams.



The Process Timeline



Timber Sash Windows

Discover the timeless beauty and unparalleled craftsmanship of timber sash windows. These windows have graced homes for centuries, offering not just aesthetic appeal but also practical benefits that enhance the comfort and value of your property.

Classic Design Meets Modern Performance

Timber sash windows are renowned for their elegant design and versatility. Their traditional appearance complements various architectural styles—from Georgian and Victorian to contemporary homes—adding a touch of sophistication. Made from high-quality, sustainably sourced timber, these windows not only enhance the exterior of your home but also contribute to its energy efficiency.

Mechanisms That Last a Lifetime

One of the defining features of timber sash windows is their unique mechanism, which allows for smooth operation and lasting performance. Two primary systems are used to keep the sashes in perfect balance: the classic cords and weights system and the modern spiral balance mechanism.

Cords and Weights System

The traditional cords and weights system has stood the test of time for good reason. This mechanism features a series of weights attached to cords running through pulleys, allowing the windows to glide effortlessly up and down. This elegant design not only provides ease of use but also helps maintain the window's balance, ensuring that your sashes remain in any position you desire.

The charm of this mechanism lies in its simplicity and reliability. With proper maintenance, this system can last for decades, providing a seamless user experience that reflects the craftsmanship of a bygone era. The classic aesthetic of cords and weights also resonates with homeowners looking to preserve the historic integrity of their properties.

Spiral Balance Mechanism

For those seeking a more modern approach, the spiral balance mechanism offers a contemporary alternative without sacrificing style. This innovative system utilizes a spiral spring balance that is concealed within the frame of the window. It provides smooth and effortless operation, allowing for easy opening and closing of the sashes.

The spiral balance mechanism is particularly advantageous in terms of maintenance. Its design minimizes wear and tear, offering a longer lifespan compared to traditional systems. Additionally, this mechanism permits the use of various window styles, making it an excellent choice for modern renovations or new constructions.

Enhancing Energy Efficiency

Timber sash windows are engineered to improve energy efficiency in your home. With proper sealing and glazing, these windows help retain heat during winter and keep your interiors cool in summer. The natural insulating properties of timber combined with advanced glazing options make timber sash windows a sustainable choice. They contribute to lower energy bills and create a comfortable living environment year-round.

Conclusion

Whether you prefer the classic charm of the cords and weights system or the modern convenience of the spiral balance mechanism, timber sash windows provide a perfect blend of beauty and functionality. Invest in windows that not only elevate the aesthetic appeal of your home but also promise durability, efficiency, and timeless elegance. Experience the difference with timber sash windows—where tradition meets innovation.



Heritage Timber Sash Windows

Our Heritage sash windows are designed to replace original period windows in listed buildings and sensitive conservation areas. This collection offers a made-to-order service and customised designs that meet the requirements of planning authorities.

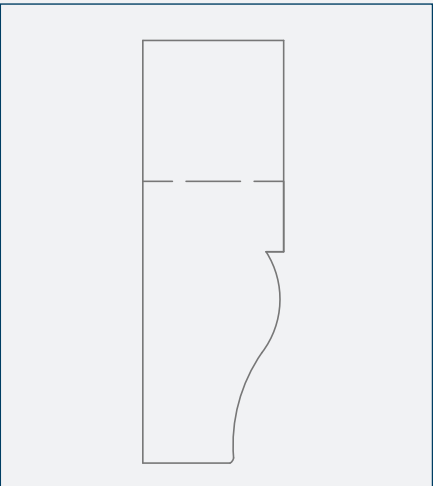
We understand that taking on a planning application can be daunting and time-consuming. At Nine zero trading we offer a package that includes working with our architect to complete the application for you.

We work closely with our factory to ensure every detail of your windows is meticulously crafted. These details include run-through glazing bars, decorative mouldings, and various horn styles tailored to your property's requirements.

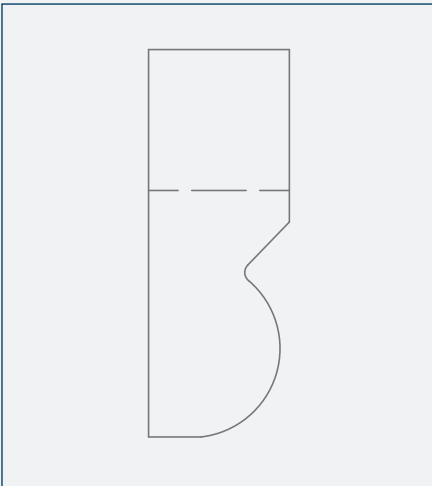
These windows are available in slimline 14 mm doubleglazed units or 8mm Vacuum glass. Recent advances allow us to manufacture a single-glazed window that outperforms triple-glazing thermally and acoustically with u values as low as 0.7 overall window.



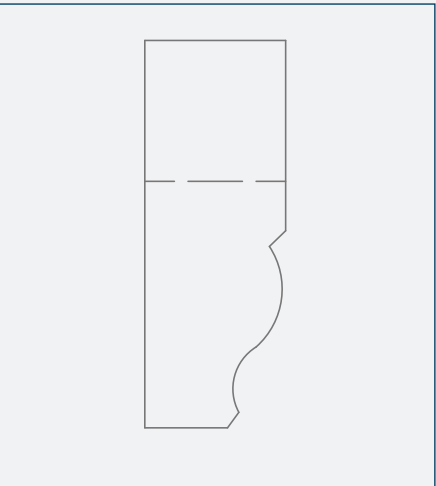
Heritage Timber Detail



Kensington Horn



Westminster Horn



Richmond Horn



Fasteners & Restrictors

Fitch Fasteners



Claw Fasteners (Part Q / SBD)



Brighton Fasteners



Angel Restrictors



Sash Stops (Part Q / SBD)



Flush Sash Stops



Shark Fin Restrictors





Accessories

Lift Hooks



Polished Chrome



Satin Chrome



Brass



Antique Brass



Rumbled Brass



Bronze



Rumbled Pewter



Black

Pulley Wheels



Polished Chrome



Satin Chrome



Brass



Antique Brass



Bronze



Rumbled Brass



Rumbled Pewter



Black

Ring Pulls



Polished Chrome



Satin Chrome



Brass



Antique Brass



Bronze



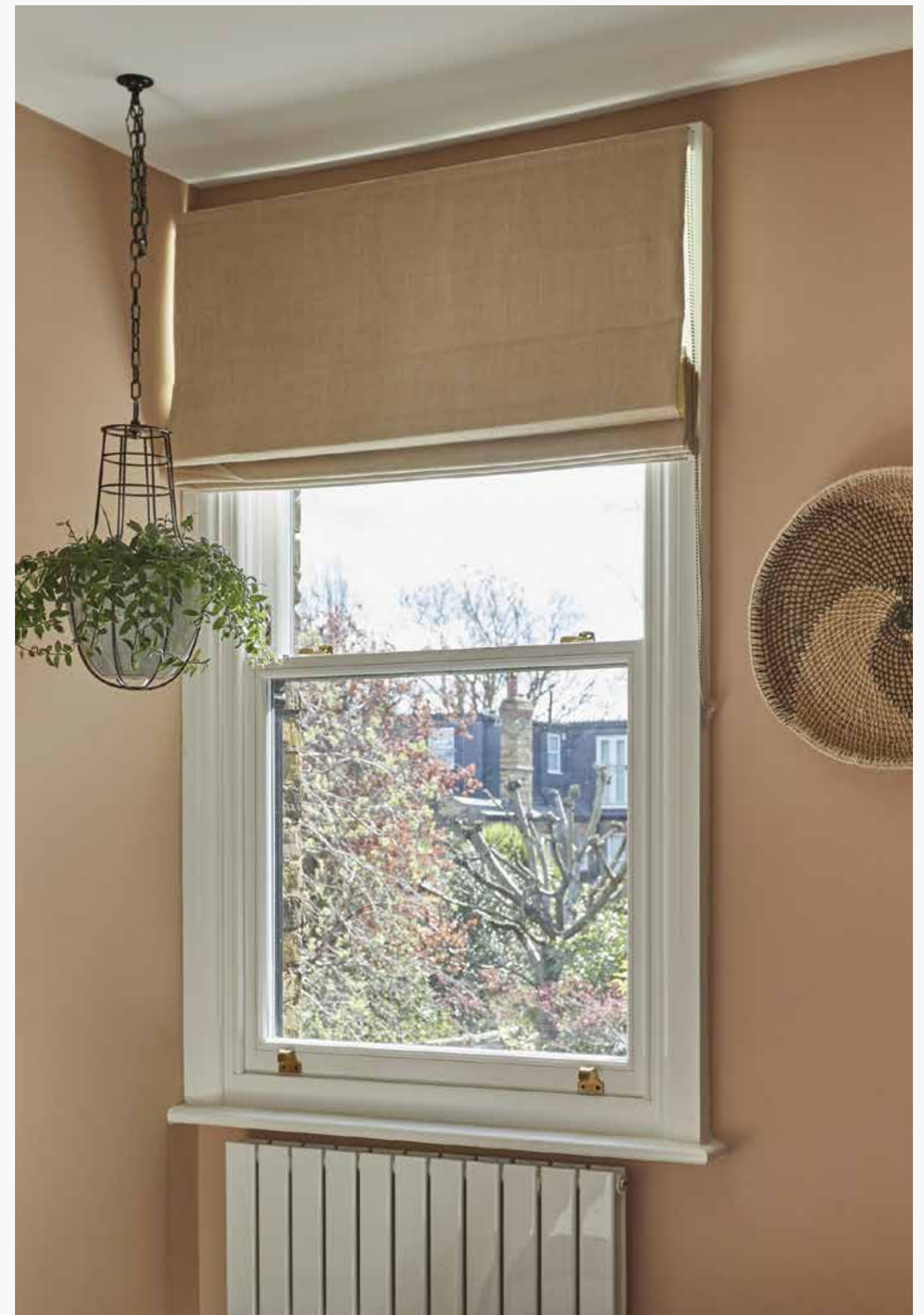
Rumbled Brass



Rumbled Pewter



Black



Timber Casement Windows

Flush Casement Windows: Style Meets Performance

Flush casement windows seamlessly blend elegance with modern functionality, offering an ideal solution for enhancing your home's aesthetic. Their flat profile sits flush with the exterior, providing a clean, contemporary look that suits both traditional and modern architecture.

Crafted from high-quality timber, these windows are customizable with various colors and finishes. They excel in energy efficiency, featuring advanced seals that minimize heat loss and drafts, contributing to lower energy bills and a more sustainable home.

With excellent ventilation, robust security features, and easy maintenance, flush casement windows provide a practical yet stylish choice for homeowners.

Elevate your living space with these timeless windows, combining beauty and performance effortlessly.







Handles & Stays

Kingsley Handle



Balmoral Handle



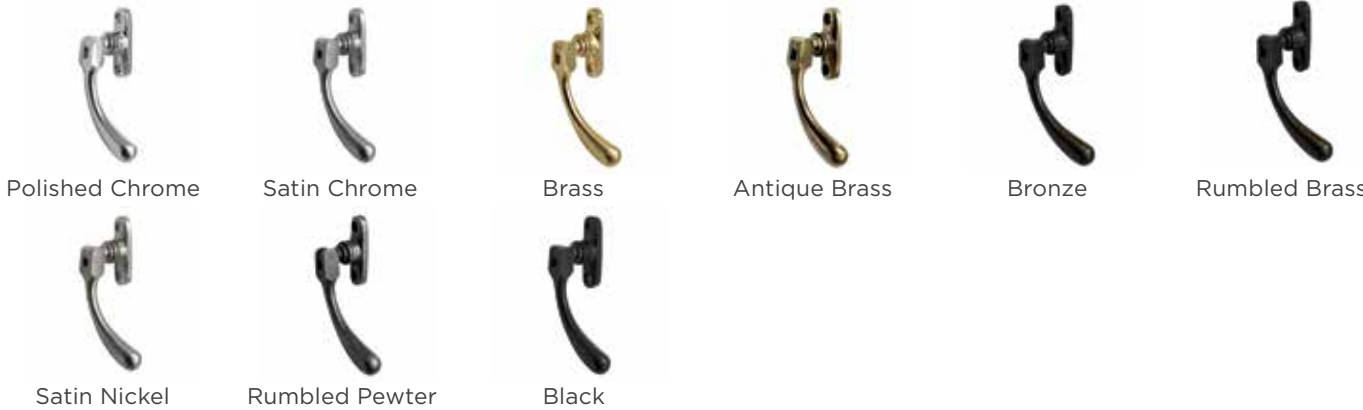
Monkey Tail Handle



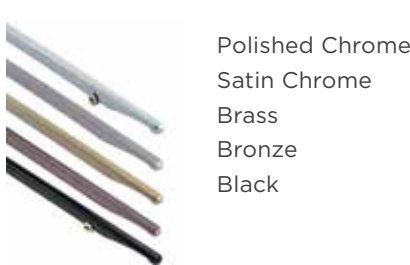
Opera Handle



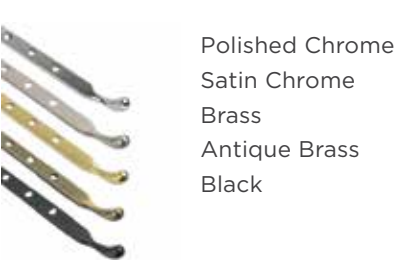
Barrington Handle



Balmoral Stay



Barrington Stay



Monkey Tail Stay



Timber Entrance Doors

Our bespoke front doors are as original as the properties we created them for. They are ideal for period properties, including Victorian, Edwardian, and Georgian ones.

As specialists in period properties, we can carefully match your existing front door or work with you to create a unique design that stays true to the character of your property.

Our entrance doors are available in classic, heritage, and creative styles. The classic range features time-honoured designs, while the innovative range comprises contemporary, sleek, flush-panelled doors. The heritage range incorporates period door styles inspired by the Georgian, Victorian, and Edwardian eras. Strengthened timber combined with thick laminated glass enables fully glazed doors to offer exceptional thermal efficiencies and excellent security.





Letter plates

Victorian Letter Plate



Draught Dodger III Letter Plate



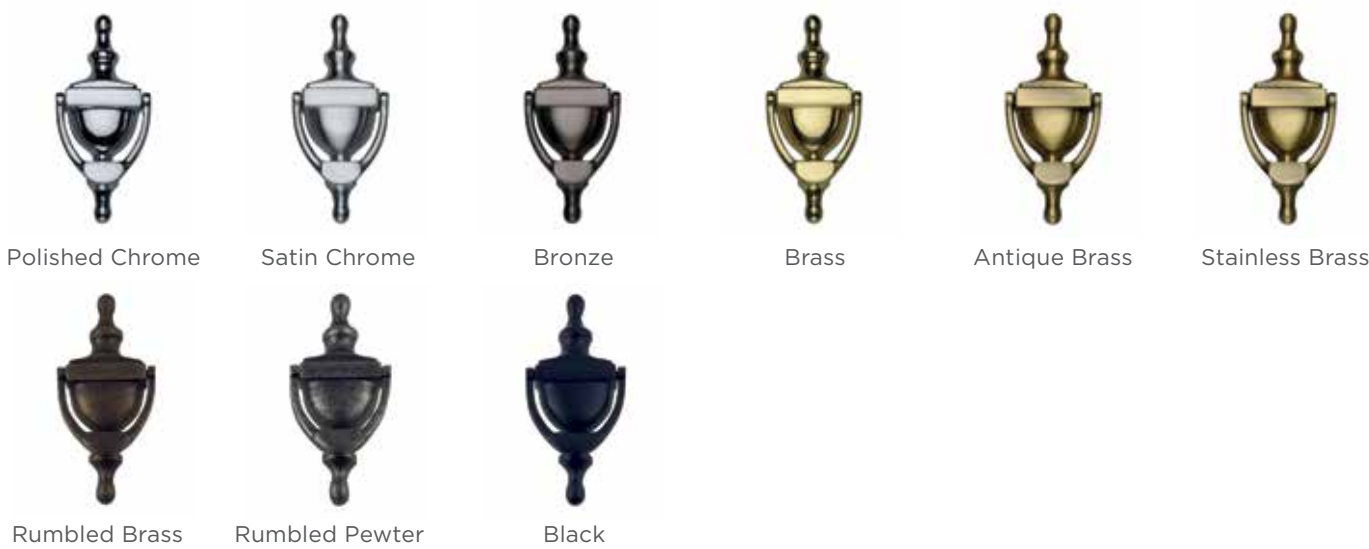
Shaped Letter Plate



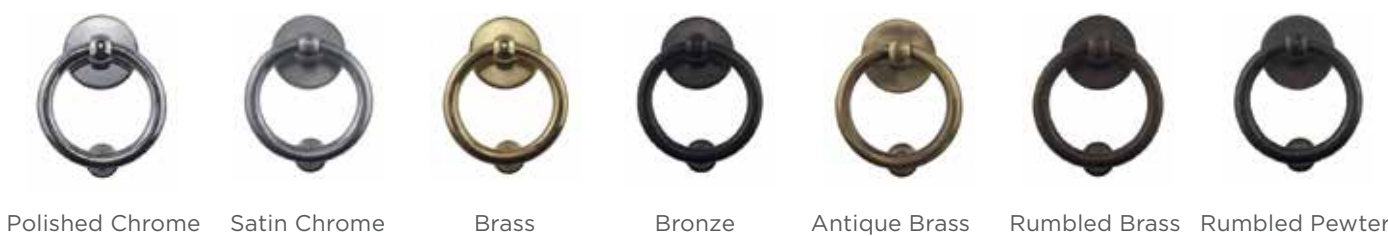


Knockers

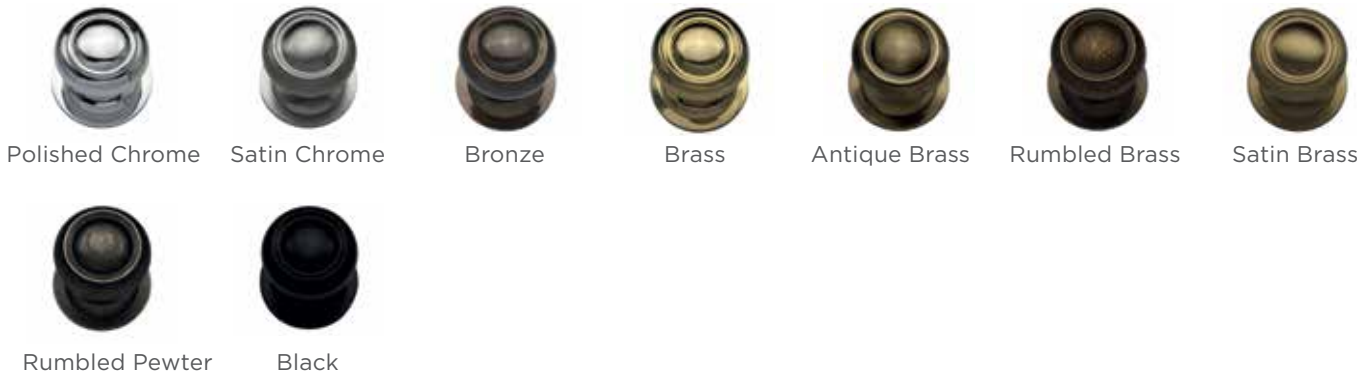
Victorian Urn Kocker



Ring Kocker



Round Knob



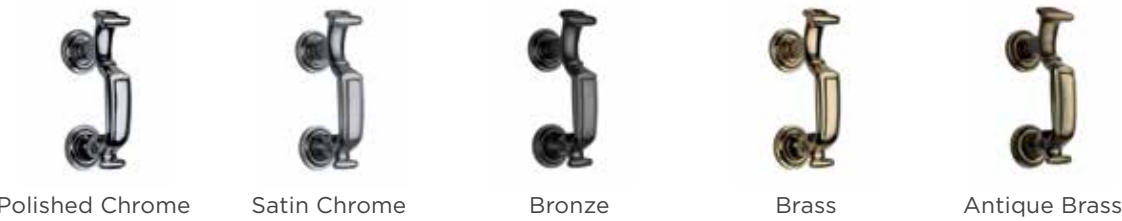
Scroll Kocker



Lion Knocker

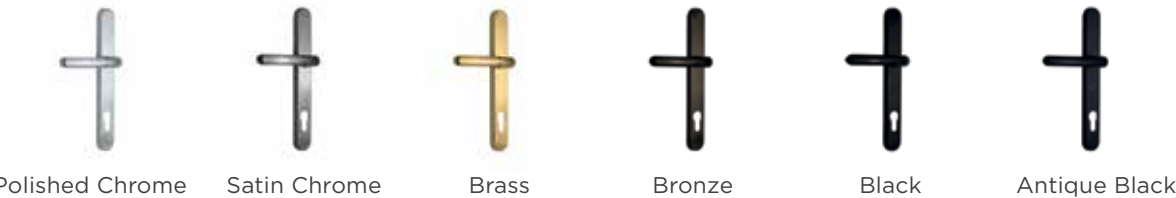


Doctor Knocker

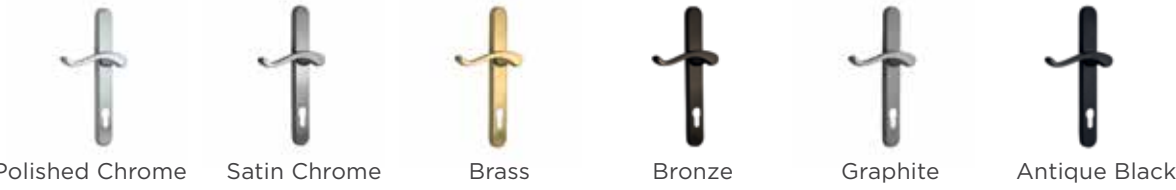


Handles

Balmoral Handle



Balmoral Swan Handle



Barrington Handle



Kingsley Handle



Opera Handle



Timber French Doors

Our traditionally crafted French doors create an elegant connection to the outside of your property. With a flush-fitting profile, they include multi-point espagnolette locking mechanisms and concealed shoot bolts for enhanced security. We offer a wide range of design options, from raised and fielded panels to decorative mouldings, helping you create a grand entrance to your home.

When thinner frames are needed, we offer our slim section door, which matches the exact profile dimensions of a window. These doors are especially suited for Juliette balconies, with narrow openings and beautifully finished bespoke locking mechanisms installed on the internal face of the door.



Bi-fold Doors

Elevate Your Space with Nine Zero Timber Bi-Fold Doors featuring Centor Hardware

At Nine Zero, we understand that the right doors can transform your living space, and our timber bi-fold doors are the perfect blend of beauty and functionality. Crafted from premium timber, these doors create a stunning focal point while seamlessly connecting your indoor and outdoor environments.

What sets our bi-fold doors apart is the quality timber joinery alongside innovative Centor hardware system. Renowned for its durability and smooth operation, our system allows for effortless folding and sliding, making it easy to transition between spaces. Whether you're entertaining guests or enjoying a quiet evening, the gentle glide of these doors enhances your experience.

In addition to their striking design and superior functionality, our timber bi-fold doors are energy-efficient, helping to reduce heating and cooling costs while maintaining a comfortable home environment. With various finishes available, you can customize your doors to perfectly match your home's aesthetic.

Choose Nine Zero for your timber bi-fold door needs and experience the perfect union of craftsmanship and cutting-edge technology.



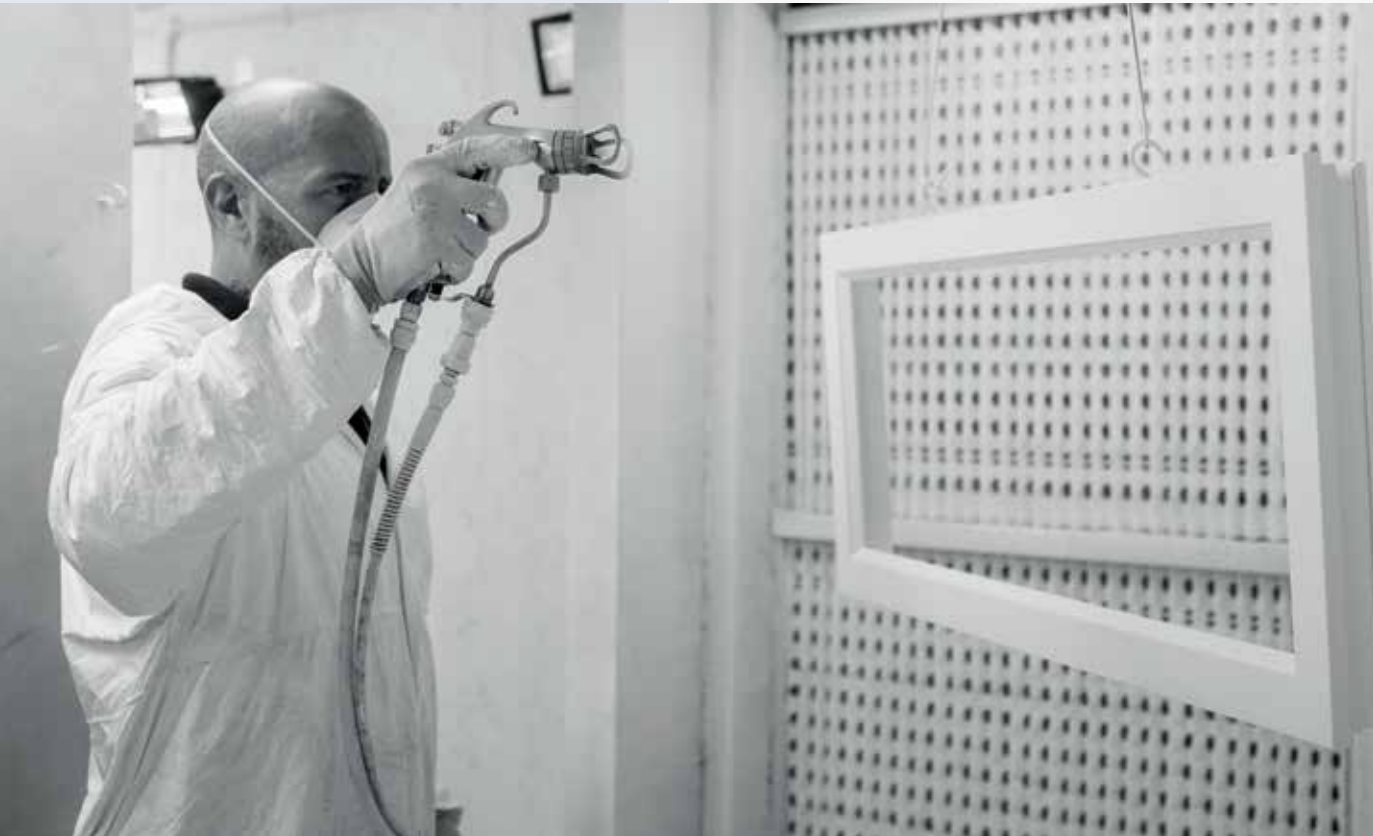
Finishing Touches

Timber

Our timber products go through a thorough four-stage finishing process, which includes anti-rot and fungal treatment, primers, and two finishing coats. We're proud to be one of the few companies on the market offering a 10-year warranty on the finish.

Ral colour chart

Colour plays a key role. You want something that complements your neighbourhood without letting your property blend into the background. We offer thousands of options from the RAL Classic range. If you prefer a different finish for the interior and exterior, our dual paint option allows you to enhance the interior while respecting your property's architectural style.



Timber Stains

We have specially formulated the collection for the two timbers we offer, Grandis and Redwood. The base stain and topcoat system provides exceptional clarity and durability, enhancing and protecting the timber's natural definition and beauty. These water-based systems combine the base stain with flexible, breathable topcoats to create a translucent wood finish.

The finishes are environmentally friendly and help minimise cracking and peeling, which occurs with traditional solvent-based stains.

Redwood

					
Base Walnut Top Antique Oak	Base Teak Top Antique Oak	Base Teak Top Teak	Base Teak Top Medium Oak	Base Teak Top Cotswold Oak	Base Wicker Top Cypress

Red Grandis

					
Base Walnut Top Antique Oak	Base Teak Top Walnut	Base Teak Top Nut	Base Teak Top Antique Oak	Base Teak Top Teak	Base Grandis Oak Top Grandis Oak

The colours displayed have been produced electronically. They are not a substitute for actual colour samples.

Materials

European Redwood

Redwood is sourced from Northern Europe and comprises flawless cuts of solid European timber glued, compressed, and laminated in alternating wood grains. Redwood's alternate vertical grains provide excellent dimensional stability, decreasing the risk of misshape by minimising swelling and warping, making it ideal for timber windows and doors.

Red Grandis

Grandis has many advantages over other timbers used in the industry. Overall, it is the best hardwood on the market. Grandis is a premium hardwood with characteristics like those of oak. Due to its marking and exceptional durability, this timber is the perfect option for high-end uses. Before treatment, this wood has a darker, more detailed grain, making it the ideal solution if you require a lacquer or stained finish.

We also use **Accoya** and **Obodo** in certain circumstances, please enquire for more informatrion on this.



Client Story

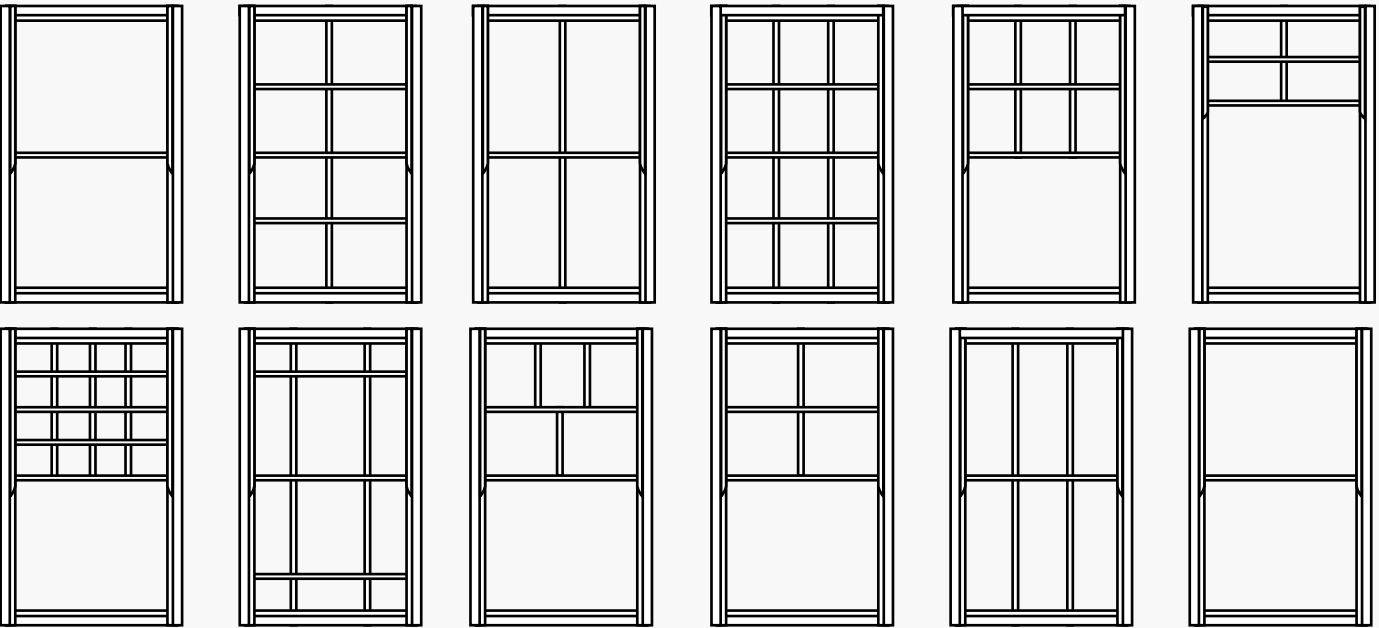
“We recently had our windows replaced and couldn’t be happier with the results. The fact that they’re made right here in the UK, in Cornwall was a big plus for us — it’s great to support local craftsmanship. The quality is outstanding, with a solid, well-finished look and feel. In addition, the delivery went smoothly with no issues whatsoever. Highly recommend this company for anyone looking for reliable, high-quality timber windows made close to home.”



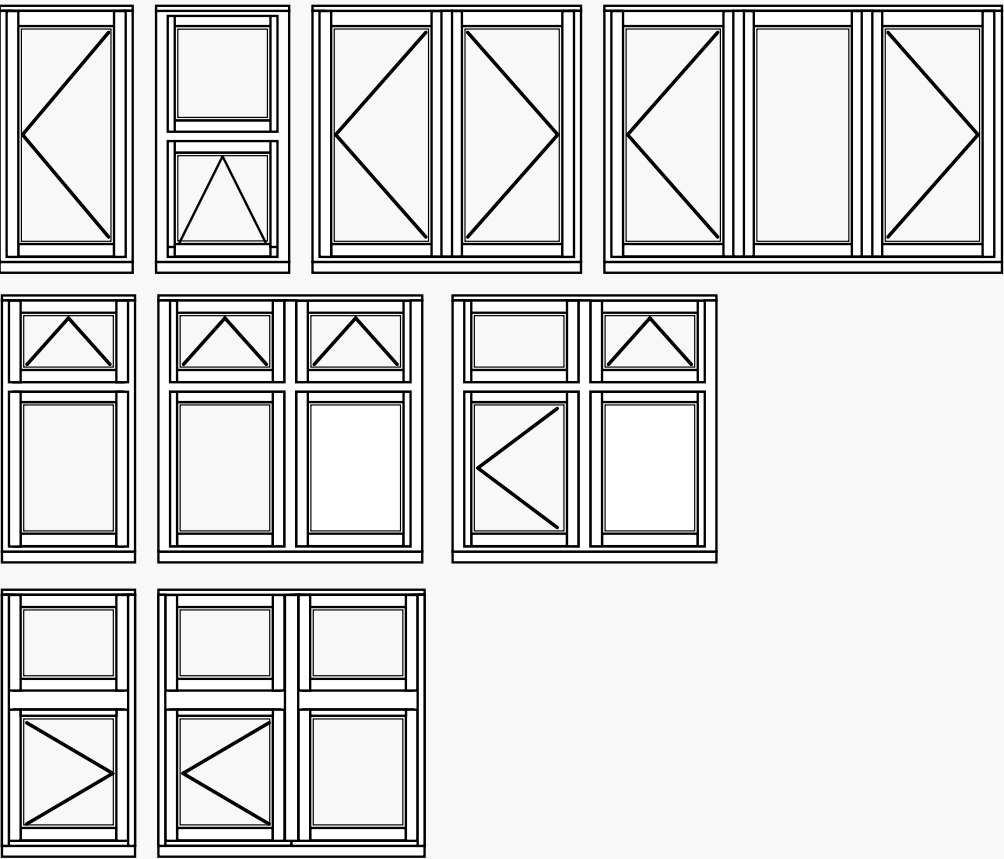
Technical Drawings

Our products are available in a variety of different designs. Please use the drawings below for inspiration, but if you have another design in mind, please get in touch with the team. All glazing designs can be chosen from our range or stained glass bespoke patterns with transparent or opaque glass.

Sliding Sash Windows



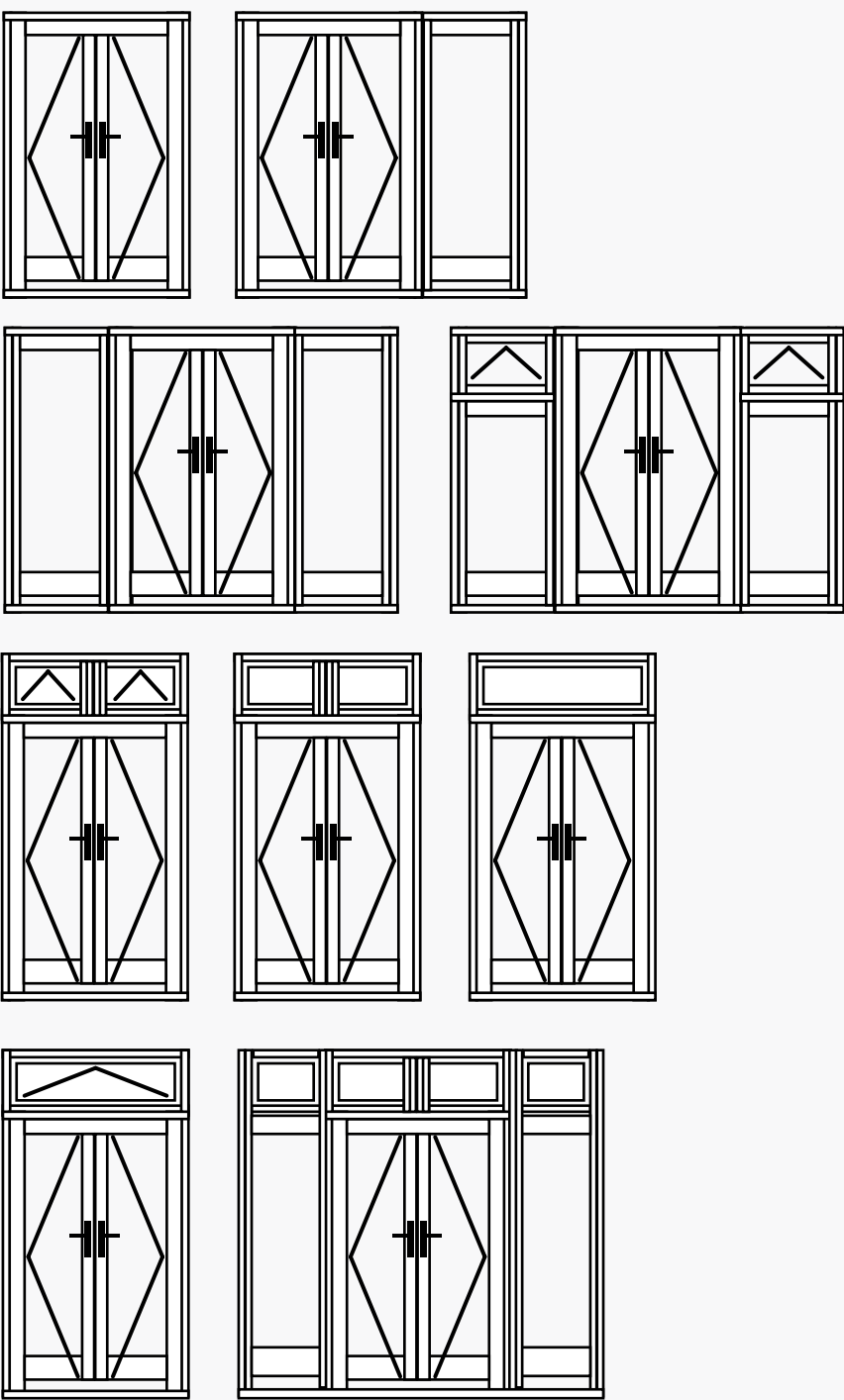
Casement Windows



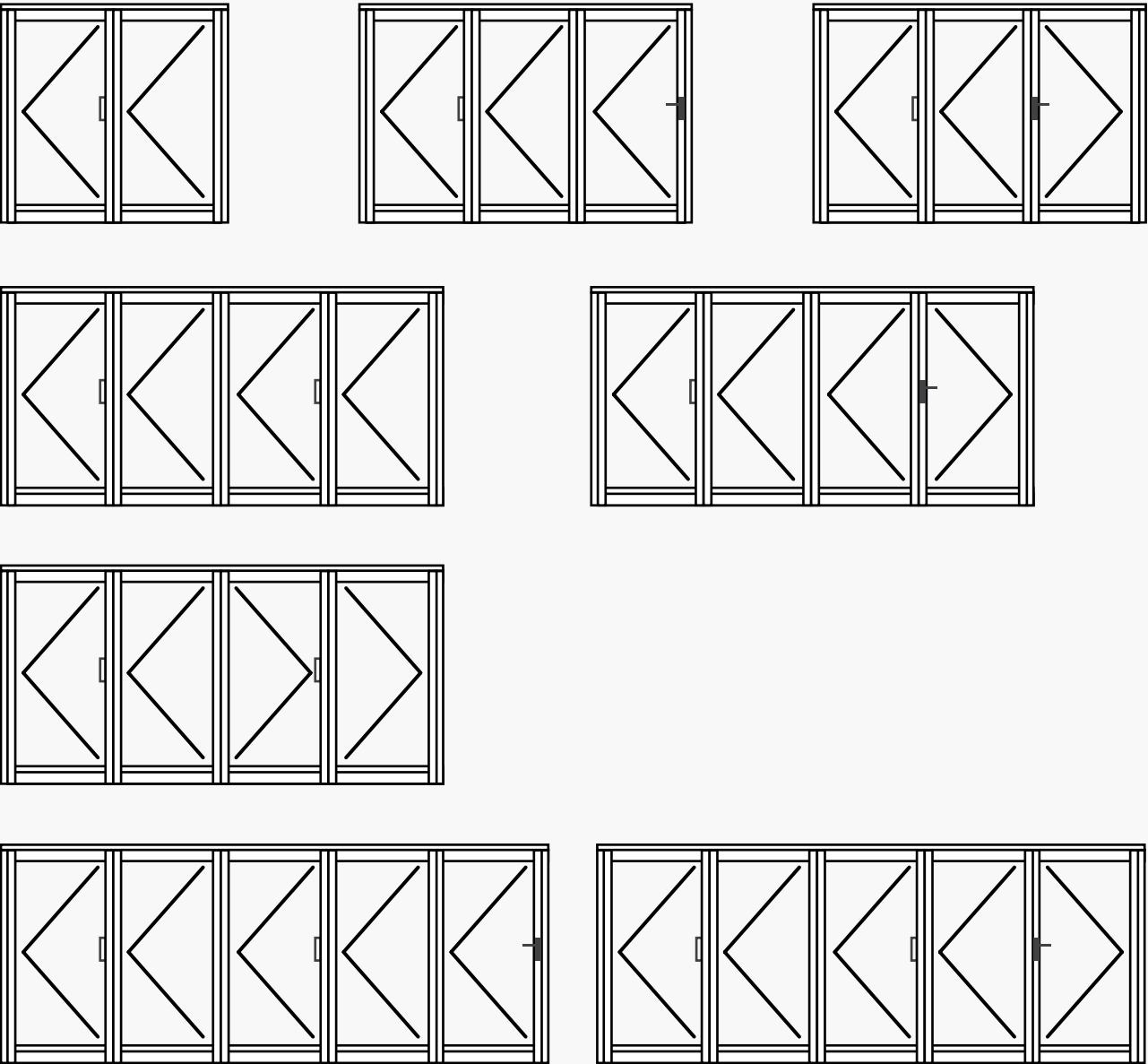
Entrance Doors



French Doors



Bifold Doors



Warranties

Our warranties offer peace of mind with a comprehensive 10-year guarantee covering materials, workmanship, installation, and double-glazing seals. This guarantee ensures lasting energy efficiency and insulation. In the unlikely event that any defects arise within this period, we'll repair or replace the parts free of charge.

<https://nine-zero.co.uk/warranty/>

01	10 YEARS GUARANTEE ON WORKMANSHIP
02	10 YEARS GUARANTEE ON PAINT AND STAIN
03	10 YEARS GUARANTEE ON GLAZING
04	10 YEARS GUARANTEE ON PVCU
05	5 YEARS GUARANTEE ON HARDWARE



Our Future Environment

Sustainability

As we all know, our planet is threatened by severe climate change. The Earth's global temperature is rising, leading to rapid changes in weather patterns and ecosystems. But we are not without hope. With our knowledge and advanced technology, we can make a significant impact. It's time for all of us to take responsibility for what we can change.

Double glazing is more crucial than ever; our homes significantly contribute to CO2 emissions. We offer high-performance A-rated products that provide solutions for a more sustainable lifestyle, reducing energy consumption and minimising our environmental impact.

We take pride in our Forest Stewardship Council certification. This certification ensures that our timber products come from responsibly managed forests with sustainable environmental, social, and economic benefits.

We are committed to an environmentally friendly manufacturing process and recycling all old products during installation.

Climate Change

If all 25.6 million homes in the UK replaced their windows with energy-rated ones, we could reduce carbon emissions by up to 12.8 million tonnes annually.

According to the Energy Savings Trust, an average household installing Energy Saving Recommended windows can typically cut carbon dioxide emissions by approximately three-quarters of a tonne per year.

This is a significant saving, as around 23% of the heat lost from an average home occurs through the windows. We provide high-performance A-rated products that deliver solutions for sustainable living. We work to reduce energy consumption and limit our impact on the environment. Additionally, the timber, glass, aluminium, and fittings are fully recyclable at the end of the frame's life cycle.

Our timber glass supplier, Saint-Gobain Glass, has now launched PLANITHERM® TOTAL+. Windows glazed with EcoClear improve homes' energy efficiency, allowing homeowners to save money on their heating bills through free solar heat gain. This reduces your carbon footprint and energy bills, making it a wise financial choice.



Box Sash Windows

Traditional box sash windows are the enduring design of grand Georgian houses, Victorian villas and elegant Edwardian homes.

Nine Zero Sliding Sash Windows offer an authentic conservation replacement to retain the traditional features of a period property renovation.

The window provides excellent energy efficiency and security performance, making it an ideal choice for both refurbishment and new build projects.



Specification

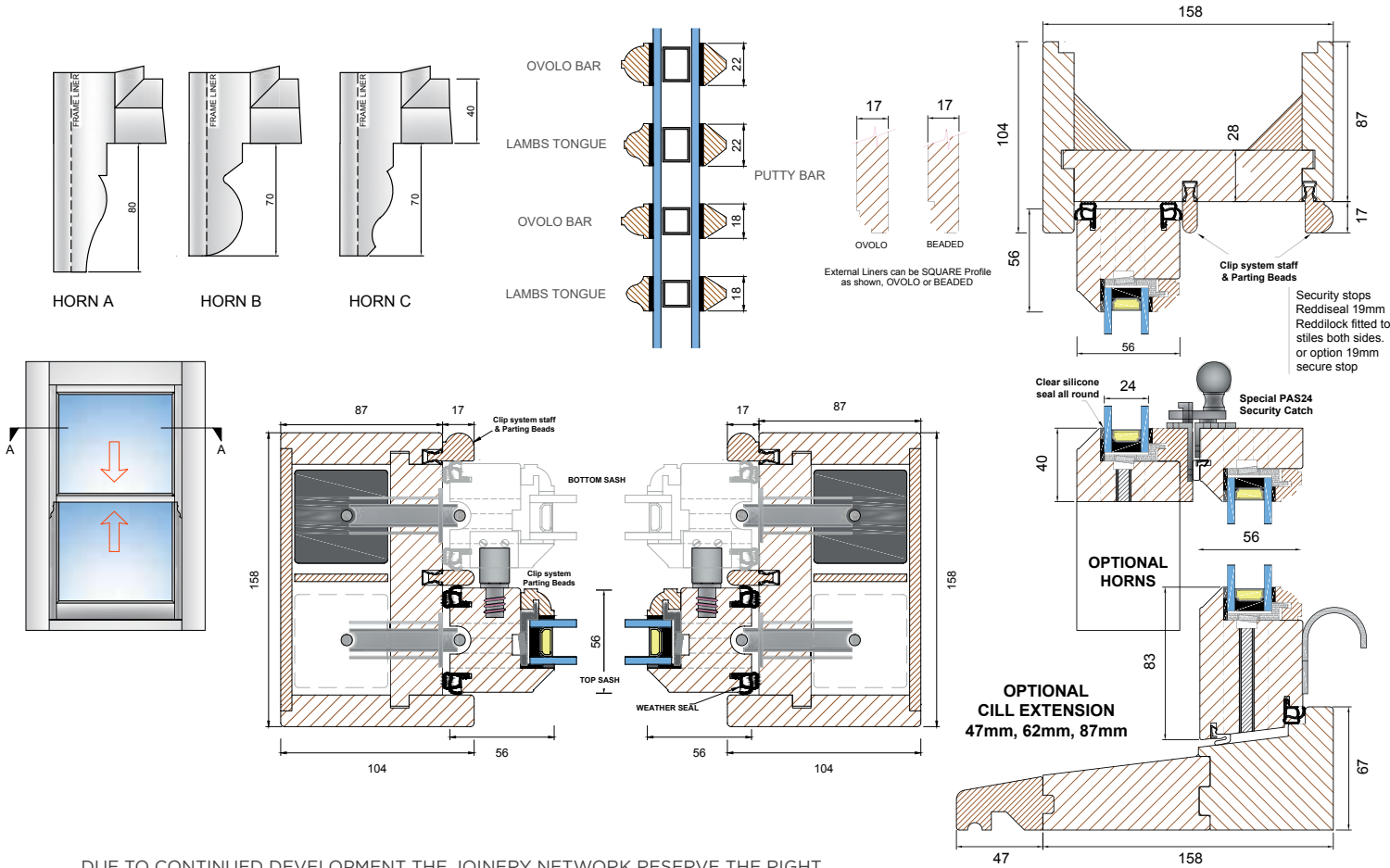
Outer Frame Options	Head & Jambs: 104mm x 158mm Cill: 67mm x 158mm Mullion: 98mm or 141mm
Sash	Top Rail & Stiles: 56m x 56mm Bottom Rail: 83mm x 56mm Mid Rail: 40mm x 56mm
Sash Profile	Ovolo or Lambs Tongue
Cill Extension Options	Standard, 47mm, 62mm or 87mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vent through head 4600EA

Hardware/Fittings

Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if frames are PAS 24 security
Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Trickle Vent	Can be fitted through head (concealed)

Test Data

BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.2w/m2k If U values need to be lower, please enquire to discuss alternative glazing methods
Security	PAS 24:2016 Lignum Window System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash and glazing bars
- Choice of sash horn styles
- Heritage slim-glass unit bead option
- Slim outerframe and sash options

Design Features

- Tested to PAS 24:2016
- Choice of Square, Ovolo or Beaded External Liners
- Deventer superior weatherseals
- Special PAS 24 security catch
- Fully suited window and door system



Double Doors (Open In)

Nine Zero timber double doors are the classic French doorset, available as either outward or inward opening.

This inward opening version offers flexible design options for traditional, contemporary or modern styling. The doors are suitable for a range of threshold options, including mobility access.

The double doors are energy efficient and PAS 24:2016 certified for high security.



Specification

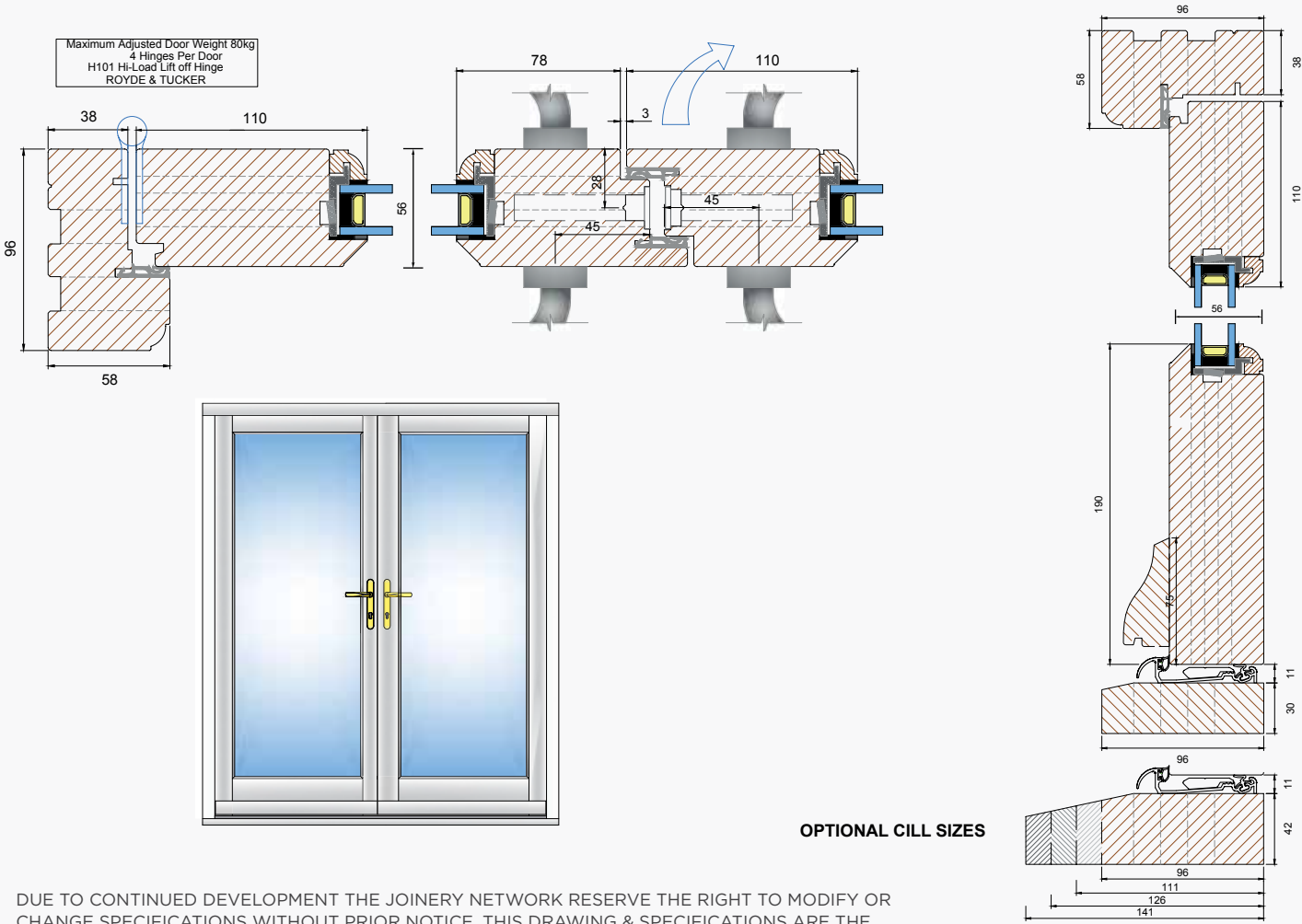
Outer Frame Options	Head & Jambs: 58mm x 96mm Transom & Mullion: 68mm x 96mm
Sash	Top Rail and Stiles: 110mm x 56mm (PAS24:2016) Bottom Rail: 190mm x 56mm Meeting Rails: 18mm x 5mm
Sash Profile	Ovolo or Lambs Tongue
Cill Options	30mm x 96mm 42mm x 96mm, 111mm, 126mm or 141mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vent through head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 2 Watertightness Class 3A Resistance To Wind Load Class 800X
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m2K
Security	PAS 24:2016 Lignum Door System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash profile
- 58mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option

Design Features

- Tested to PAS 24:2016
- Winkhaus Thunderbolt multipoint locking
- Internally beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window and door system



PAS 24:2016 Security

Document Q Compliant

Document L Compliant

Document M Compliant

BS6375-1 2009 Weather Tightness

Double Glazing

Double Doors (Open Out)

Nine Zero timber double doors are the classic French doorset, available as either outward or inward opening.

This outward opening version offers flexible design options for traditional, contemporary or modern styling. The doors are suitable for a range of threshold options including mobility access.

The double doors are energy efficient and PAS 24:2016 certified for high security.



Specification

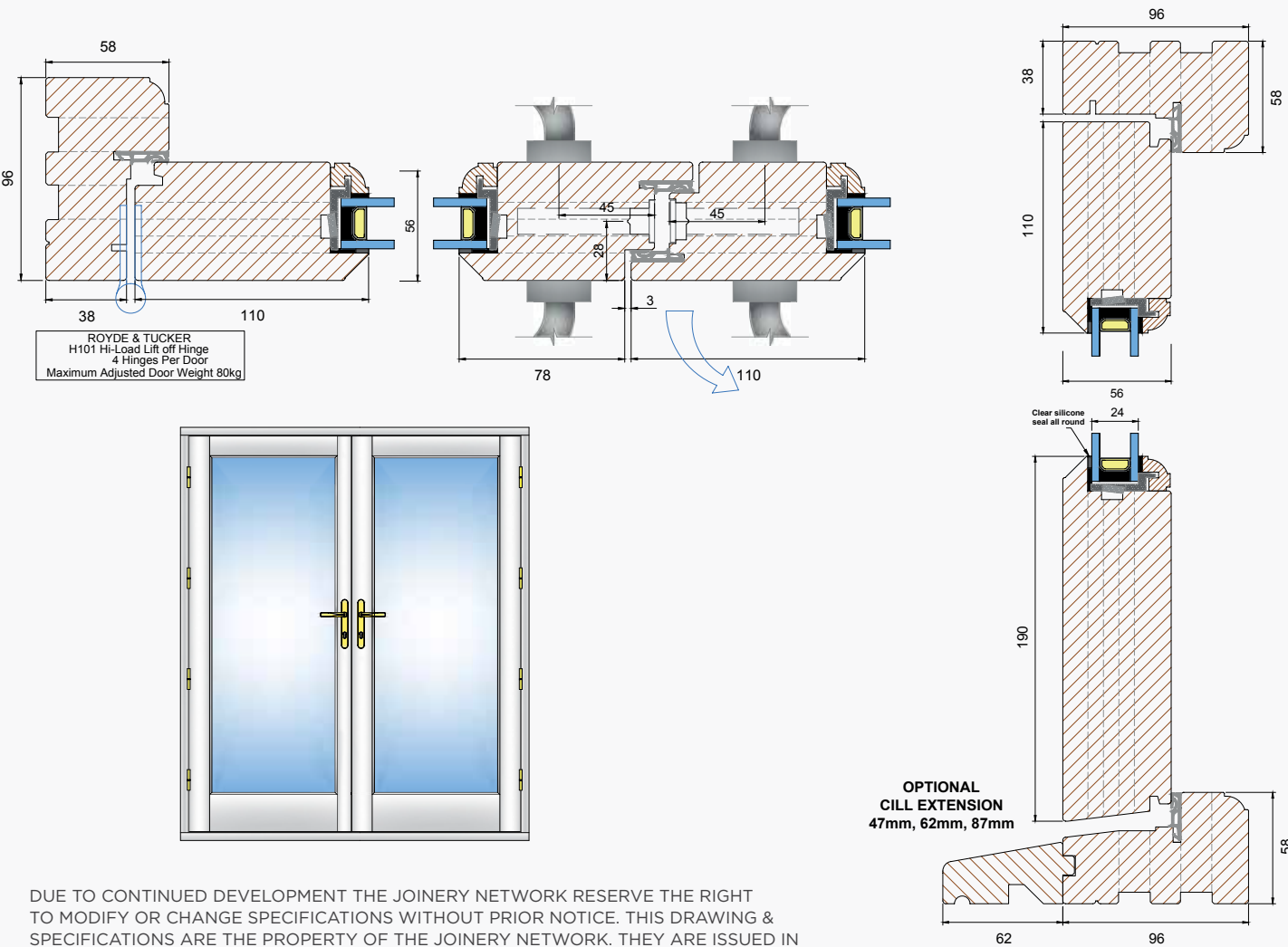
Outer Frame Options	Head & Jambs: 58mm x 96mm Cill: 58mm x 96mm (Standard) Transom & Mullion: 68mm x 96mm
Sash	Top Rail and Stiles: 110mm x 56mm (PAS24:2016) Bottom Rail: 190mm x 56mm Meeting Rails: 18mm x 5mm
Sash Profile	Ovolo or Lambs Tongue
Cill Options	Standard, 47mm, 62mm or 87mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vent through head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 2 Watertightness Class 3A Resistance To Wind Load Class 800X
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m2K
Security	PAS 24:2016 Lignum Door System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash profile
- 58mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option

Design Features

- Tested to PAS 24:2016
- Winkhaus Thunderbolt multipoint locking
- Internally beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window and door system



PAS 24:2016 Security

Document Q Compliant

Document L Compliant

Document M Compliant

BS6375-1 2009 Weather Tightness

Double Glazing

Flush Casement Window

Nine Zero timber flush sash casement windows offer a classic design that suits any property style. A popular choice for replacing traditional windows, the flush sash frame can also be paired with contemporary glazing bars and hardware for house remodeling projects or new builds.

Externally, the outerframe and sash are flush and feature slim sightlines to provide a larger glass area. The window system is internally beaded to enhance security, is certified to PAS 24:2016.

The Flush Casement Window is A rated for energy efficiency and has a U-Value of 1.3 W/m2K with a warm edge Low E argon filled double-glazed unit.



Specification

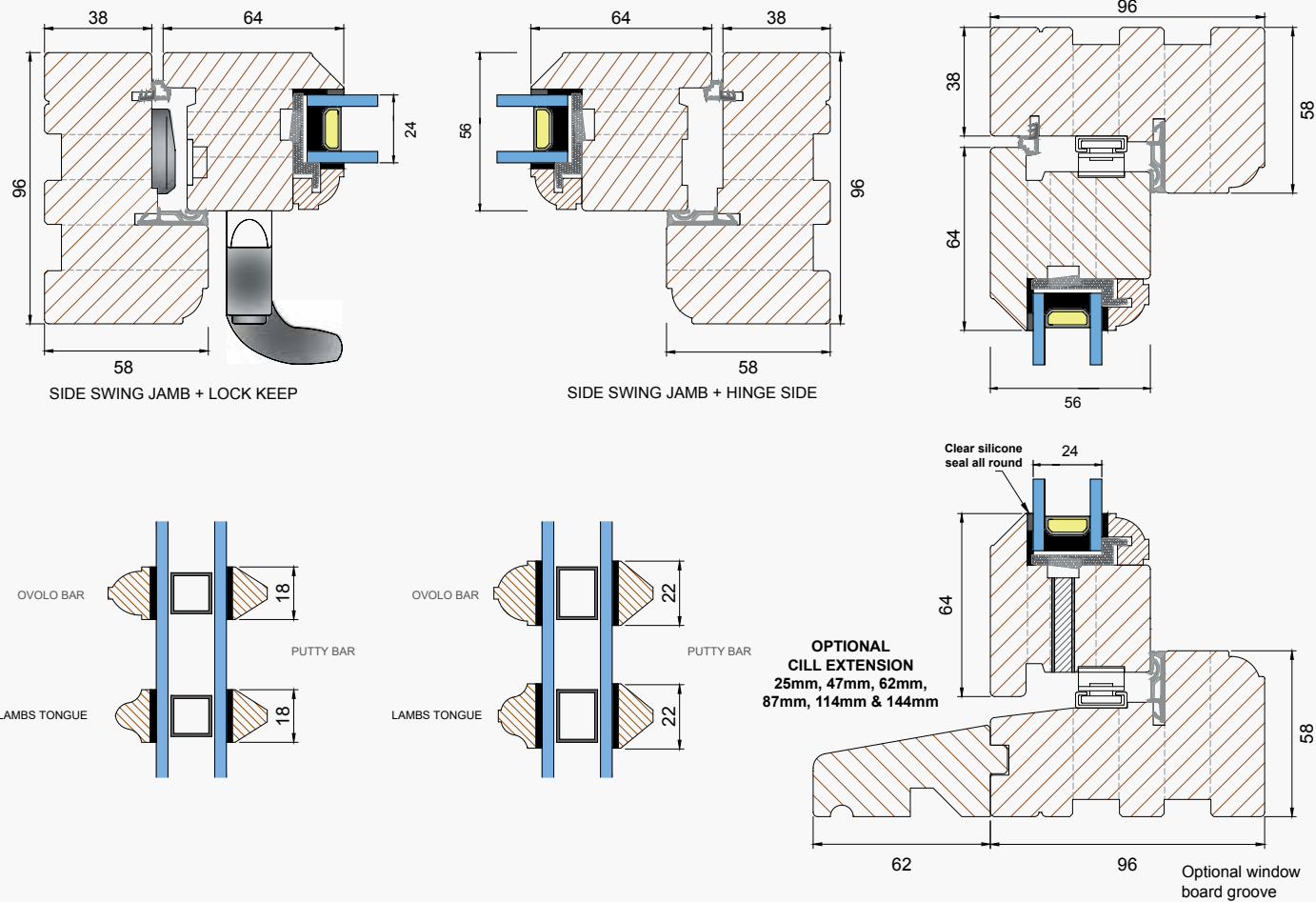
Outer Frame Options	Head & Jambs: 58mm x 96mm Cill: 58mm x 96mm (Flush) Transom & Mullion: 58mm x 96mm
Sash	Top Rail & Stiles: 64mm x 56mm (PAS24:2016) Bottom Rail: 64mm x 56mm (PAS24:2016)
Sash Profile	Ovolo or Lambs Tongue
Cill Options	Flush, 25mm, 47mm, 62mm, 87mm, 114mm & 144mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vents through head 4600EA

Hardware/Fittings

Hardware	Friction hinges for side and top swing sashes. Multipoint locking system.
Handles	Handles Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze, Brass Finish
Trickle Vent	Can be fitted through head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 4, Watertightness Class 4 Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	1.3 W/m2K (with double glazing) WER A or A+
Security	PAS 24:2016 Lignum Window System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo glazing bars
- Friction-stay or traditional hinges (subject to Document Q requirements)
- Double glazed
- Heritage slim-glass unit bead option (not PAS 24 tested)
- Slim outerframe and sash options

Design Features

- Tested to PAS 24:2016
- Internally beaded for easy installation
- Deventer superior weatherseals
- Fully suited window and door system



Single Door (Open In)

Nine Zero timber entrance doors are available to open either outward or inwards.

The Document Q compliant door is energy efficient and features high security multipoint locking. The flexible inward opening design is suitable for main entrance, side or rear doors. It allows for various glass and solid panel combinations. This makes it easy to produce almost any style of door.

For wide entrances see the Nine Zero Double Door option.



Specification

Outer Frame Options	Head & Jamb: 58mm x 96mm Transom & Mullion: 68mm x 96mm	Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if frames are PAS 24 security
Sash	Top Rail and Stiles: 110mm x 56mm (PAS24:2016) Bottom Rail: 190mm x 56mm	Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Sash Profile	Ovolo or Lambs Tongue	Trickle Vent	Can be fitted through head (concealed)
Cill Options	30mm x 96mm 42mm x 96mm, 111mm, 126mm or 141mm	Test Data	
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system	BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
	Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire	Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Trickle Vent	Concealed trickle vent through head 4600EA	Thermal Rating	U-Value 1.3W/m2K
		Security	PAS 24:2016 Lignum Door System



PAS 24:2016
Security



Document Q
Compliant



Document L
Compliant



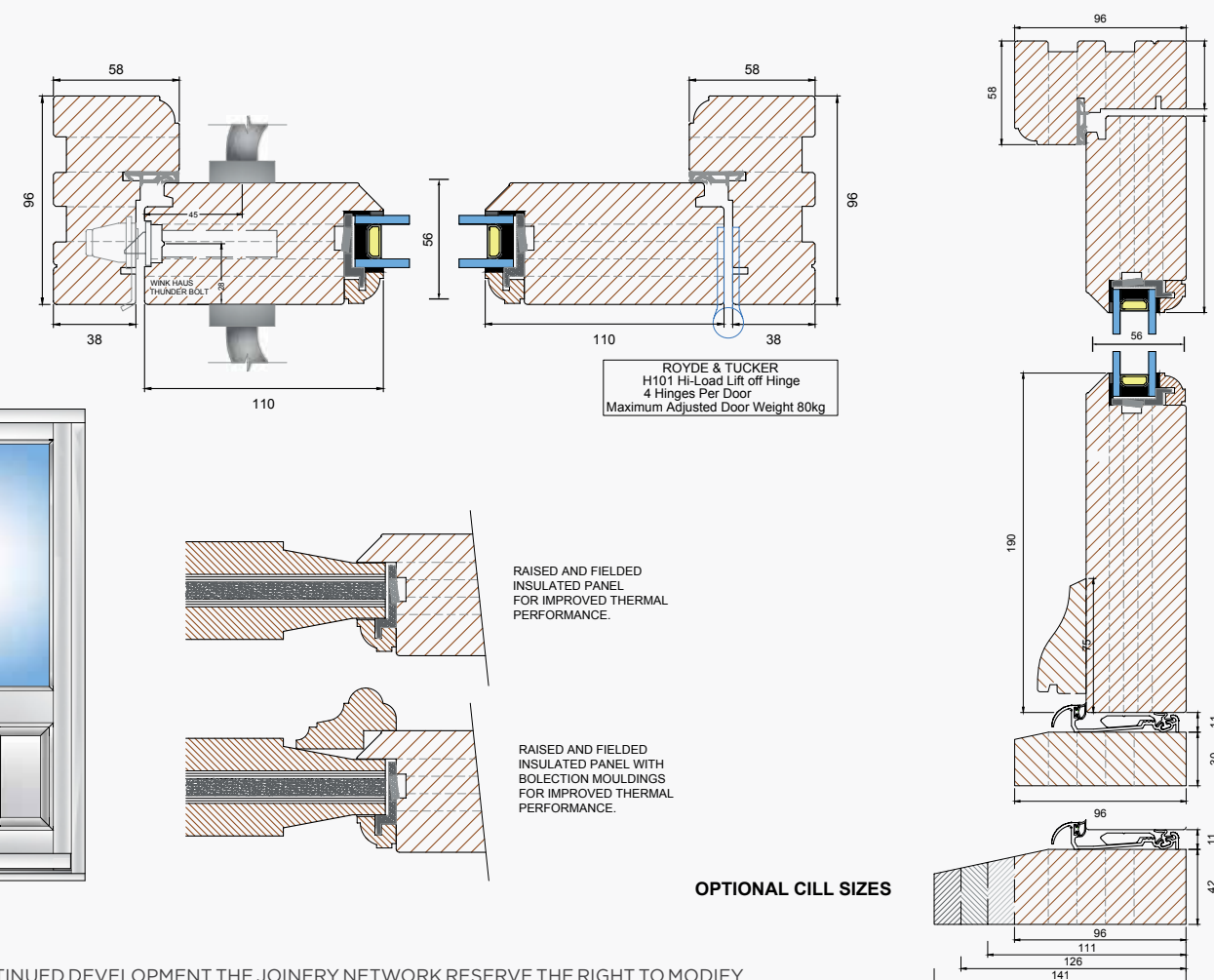
**Document M
Compliant**



BS6375-1
2009 Weather
Tightness



Double Glazing



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash profile
- 58mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option

Design Features

- Tested to PAS 24:2016
- Winkhaus Thunderbolt multipoint locking
- Internally beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window and door system



Single Door (Open Out)

Nine Zero timber entrance doors are available to open either outward or inwards.

This outward opening version is a popular option where there is limited space to open inwards, when used for mobility access or for rear doors. The Document Q compliant door is energy efficient and highly secure. The door design is very flexible, allowing for various glass and solid panel combinations. This makes it easy to produce almost any style of door.

For wide entrances see the Nine Zero Double Door option.



Specification

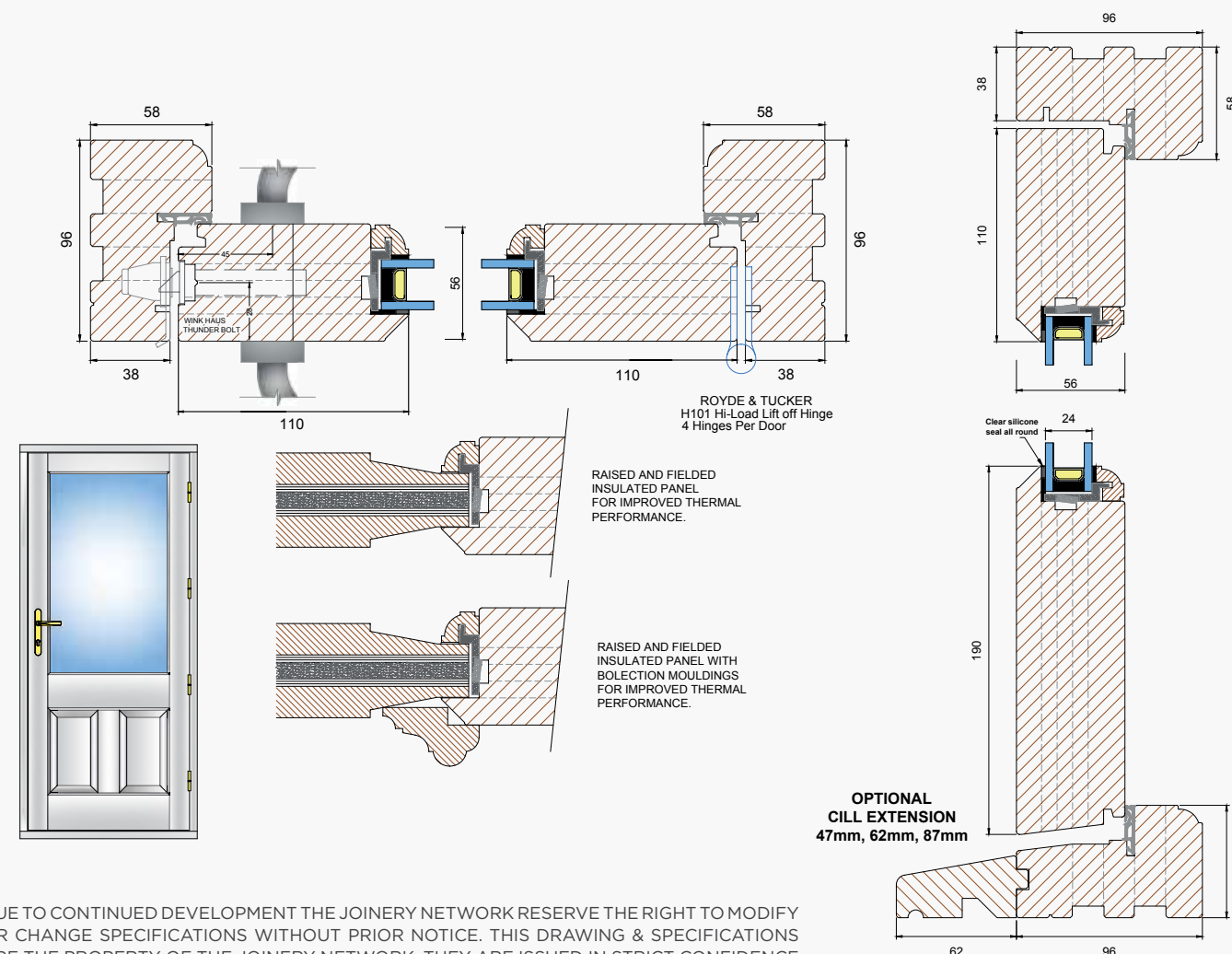
Outer Frame Options	Head & Jambs: 58mm x 96mm Cill: 58mm x 96mm (Standard) Transom & Mullion: 68mm x 96mm
Sash	Top Rail and Stiles: 110mm x 56mm (PAS24:2016) Bottom Rail: 190mm x 56mm
Sash Profile	Ovolo or Lambs Tongue
Cill Options	Standard, 47mm, 62mm or 87mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vent through head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 4, Watertightness Class 6A Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m2K
Security	PAS 24:2016 Lignum Door System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash profile
- 58mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option

Design Features

- Tested to PAS 24:2016
- Winkhaus Thunderbolt multipoint locking
- Internally beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window and door system



PAS 24:2016
Security



Document Q
Compliant



Document L
Compliant



Document M
Compliant



BS6375-1
2009 Weather
Tightness



Double Glazing

Spring Balance Sash Window

Nine Zero timber spring balance sash windows are the modern alternative to the traditional box sash, making them ideal for new as well as traditional properties.

The Nine Zero Spring Balance Sliding Sash Window uses a spring-loaded mechanism instead of weighted cords and pulleys, so it is suitable for a smaller or flush reveal detail. The window provides excellent energy efficiency and security performance. The spring balance sash offers a more economical solution, making it an ideal choice for both refurbishment and new build projects.



Specification

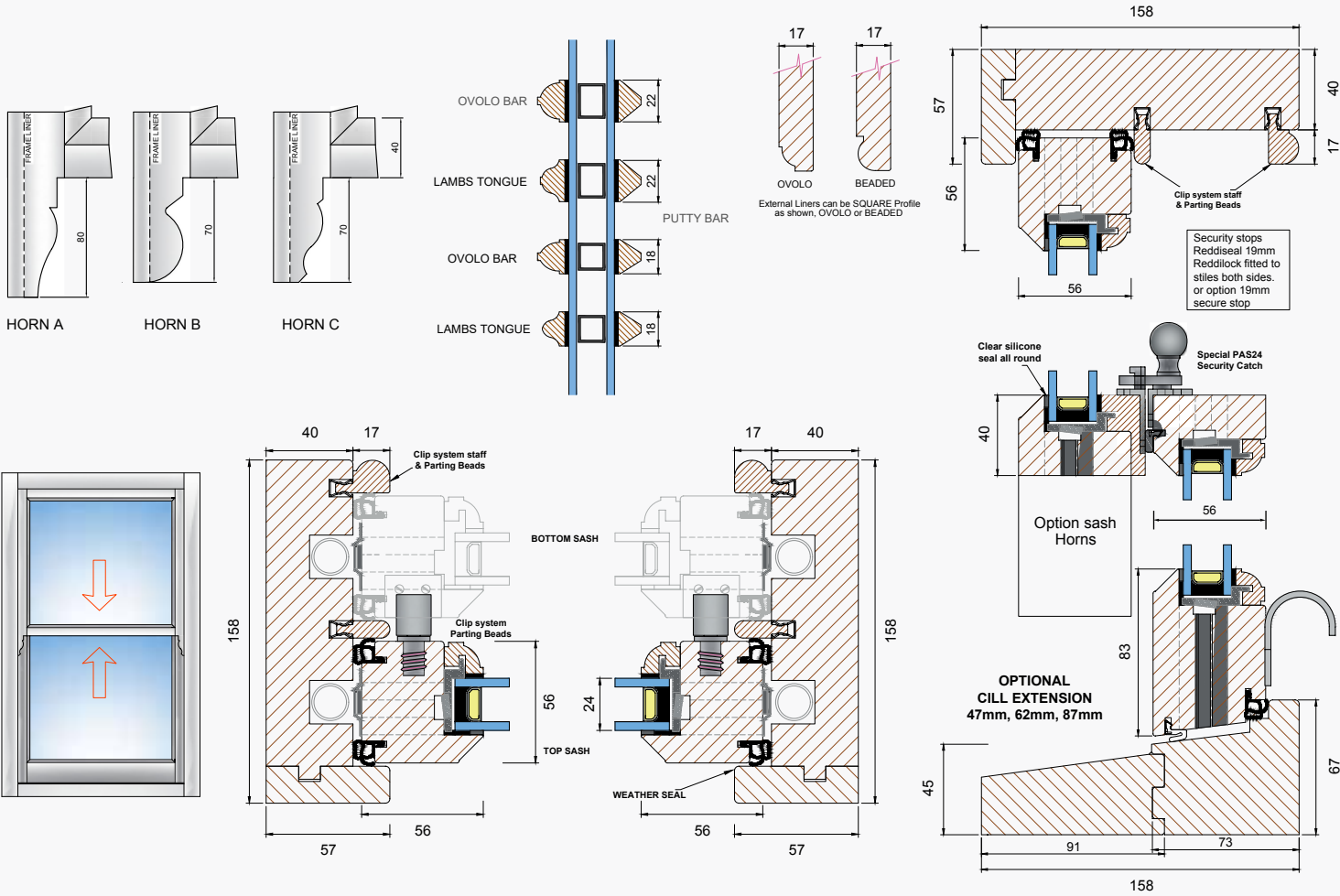
Outer Frame Options	Head & Jamb: 57mm x 158mm Cill: 67mm x 158mm (Standard) Mullion: 98mm, 141mm or 198mm
Sash	Top Rail & Stiles: 56mm x 56mm Bottom Rail: 83mm x 56mm Mid Rail: 40mm x 56mm
Sash Profile	Ovolo or Lambs Tongue Optional Horn Detail on Sash
Cill Options	Standard, 47mm, 62mm or 87mm
Glazing	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system Additional glazing units include 12mm, 14mm options, Assortment of Vacuum glazing and some triple glazed options, please enquire
Trickle Vent	Concealed trickle vent through head 4600EA

Hardware/Fittings

Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if PAS24
Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.2w/m2k
Security	PAS 24:2016 Lignum Window System



DUE TO CONTINUED DEVELOPMENT THE JOINERY NETWORK RESERVE THE RIGHT TO MODIFY OR CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE. THIS DRAWING & SPECIFICATIONS ARE THE PROPERTY OF THE JOINERY NETWORK. THEY ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURING WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS ARE FINISHED DIMENSIONS IN MM. DO NOT SCALE DRAWING!

Design Options

- Lambs Tongue or Ovolo sash and glazing bars
- Choice of sash horn styles
- Heritage slim-glass unit bead option
- Slim outerframe and sash options

Design Features

- Tested to PAS 24:2016
- Choice of Square, Ovolo or Beaded
- External Liners
- Deventer superior weatherseals
- Clip system staff and parting beads
- Special PAS 24 Security Catch
- Fully suited window and door system



Forest to Frame – Sustainability Responsibly sourced.

Energy Efficient. Expertly made.

All Lignum timber is sustainably sourced and carefully processed to ensure long-term environmental value. Our preferred timber is engineered for strength, stability and minimal waste — delivering a material that’s as responsible as it is beautiful.

We work exclusively with suppliers who meet FSC® certification standards. From forest management to frame production, our commitment to sustainability runs through the entire chain. Timber offcuts are recycled, finishes are water-based, and our carbon footprint is kept low.

Why energy efficiency from natural timber matters

There’s never been a better moment to futureproof your home.

With stricter building regulations and a national drive toward net-zero, energy efficiency isn’t just a bonus, it’s a necessity. From heat retention to summer cooling, timber windows and doors are an essential part of building a smarter, more sustainable home.

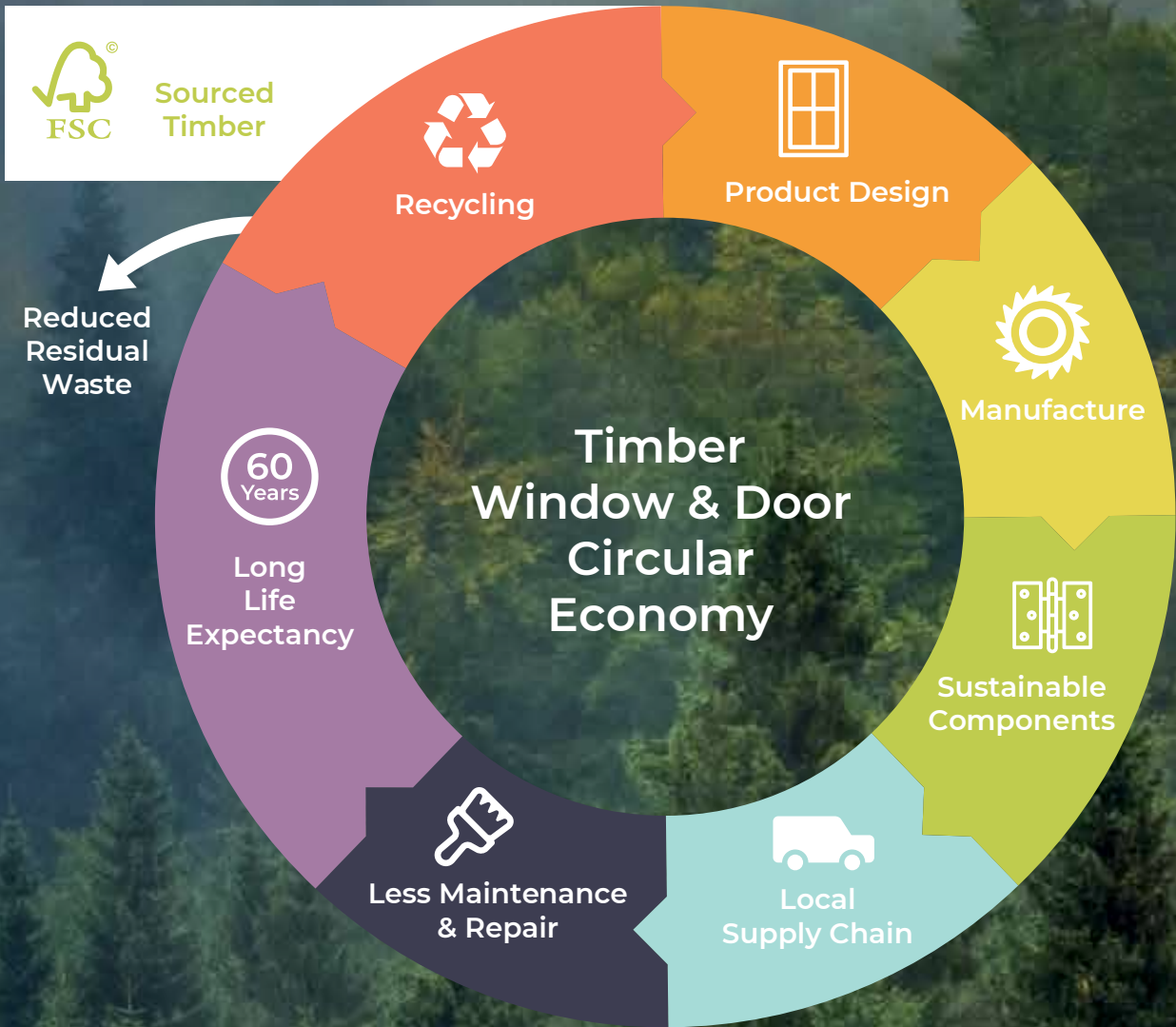
Upgrading your glazing can dramatically reduce heat loss, bring down your bills, and create a more comfortable environment year-round.

By using sustainably sourced, wooden windows and doors you’re also choosing a material that is a natural carbon store and has the lowest embodied carbon of any window or door frame. It’s also crafted to last for generations to for a net-zero impact on the environment. Renewable and recyclable

- Natural carbon store
- Excellent thermal performance
- Less embodied energy than aluminium or PVCu
- Crafted to last for generations



Precision-crafted to last a lifetime.



The Art of Glass

More than a view.

Glazing is a key part of your window or door’s performance, and we don’t treat it as an afterthought. Our vacuum glazing options for example provide industry-leading levels of insulation, acoustic protection and UV filtering, while maintaining clarity and style.

Whether you’re working with large feature windows, restoring a listed property or simply want more peace and quiet, we’ll help you choose the right glazing spec. That includes acoustic, laminated, heritage, obscure and slimline units.

Glass options include:

- Vacuum glass for low U-values and noise reduction
- Laminated acoustic glass
- Slimline heritage double glazing
- Decorative and obscure styles
- Restoration glass for period accuracy

Upgrade Your Home with Vacuum Glazing

Timber windows and doors offer lasting quality and natural insulation. But to get the most from your investment, pairing your Lignum timber frames with vacuum glazing takes energy efficiency and comfort to the next level.

Unlike double or triple glazing, vacuum glass uses just two panes of glass separated by a microscopic vacuum layer. This slim, lightweight construction delivers outstanding thermal performance with U-values as low as 0.49 W/m²K, more than twice as efficient as standard double glazing.

This helps reduce heat loss, cut energy bills, and create a more stable indoor temperature, all without the added weight or bulk of triple glazing. Its lighter construction is easier on hinges and hardware and enables slimmer profiles that suit heritage properties and conservation areas.

Best for cutting out noise

Vacuum glass also enhances comfort with excellent acoustic insulation — independently tested to reduce external noise by up to 36 dB. Combined with the natural sound-absorbing qualities of timber, this makes your home noticeably quieter and more restful.

With up to 80% light transmission, vacuum glass keeps interiors bright while maintaining clean, uncluttered glazing. The absence of bulky spacers or a third pane means better clarity and less visible hardware — ideal for large windows, sliding doors, or glazed extensions.

Each unit is warrantied for 15 years and designed to perform well beyond 25 years. Vacuum glass is fully compatible with all Lignum timber windows and doors, whether you’re building new or upgrading existing frames.

The Key Benefits of Vacuum Glazing

- More energy efficient than triple-glazing
- Slim glazing down to 6.15mm
- Perfect for all timber windows and doors
- Reduces noise by up to 36dB
- Typical 0.5Ug Value
- Typical 36 RwdB

Cornwall Workshop

Nine Zero Barn
Tressadern Farm
St. Columb
Cornwall
TR9 6JD

Surbiton Showroom

Unit 9, Chancery Gate Business Centre

214 Red Lion Road
Surbiton
KT6 7RA

Monday - Friday
8:30am to 4:00pm

