

Date: 24/04/2024

MsAmy Swain
The Manor
39 High Street
Swinderby
Lincoln
LN6 9LW

Project: 3563-6

Dear Amy,

Further to your call I can offer the following revised quotation for the survey, design, manufacture and installation of high performance timber traditional flush casement windows as follows.....

These windows are based on our Historic Range, with 14mm heritage double glazing, solid glazing bars and a putty finish.

The windows are factory glazed and fully decorated in white inside and out, RAL9016.

Where noted the windows include new external architraves, fully factory decorated to match the windows.

The full installation specification is detailed further below.....

At our partner company, George Barnsdale & Sons Limited, we have been manufacturing premium quality timber windows and doors since 1884. Every window and door is designed, engineered and hand finished in the UK by our team of skilled craftsmen using the finest materials and state of the art robotic machinery. These products are then installed, once again by our own team of skilled craftsmen, ensuring your home is enhanced not only aesthetically, but also significantly in terms of energy efficiency and genuine high performance with exceptionally low maintenance.

Through continuous innovation we have developed a wide range of products that provide the very best in performance, aesthetics and sustainability with very low maintenance. This is backed up by independent testing and certification, including these highlights:

- Window Energy Ratings across our entire range, with a minimum A rating for all products. We were the first company to achieve an A rated timber window.
- All products are made from 100% sustainably sourced certified timber. All timber purchased through either the FSC or PEFC schemes.
- Market leading paint warranties for our unique 4 coat system developed with Remmers

The breakdown of your individual items is shown overleaf, along with a detailed specification.

I have also included relevant product literature relating to your project, which we hope will provide you with detailed information on our products and the wide range of options that we offer. Similarly, there are a number of case studies of projects we have carried out, allowing you to see finished windows installed in similar properties to your own.

In addition, with years of experience and influence within the industry, we are available to provide you with expert support and advice to ensure our products and installation service:-



Lindenwood Home Limited, 4a, Stoney Road, Roydon, Norfolk. PE32 1AP

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Registered in England and Wales No. 11776614 | VAT registration No 313357818

- Meet your aesthetic and performance requirements.
- Maintain the period features of your building.
- Ensure your installation is carried out with the minimum disruption, at all times providing a courteous and efficient service whilst maintaining the utmost respect for yourselves and your family.
- Ensure full compliance with UK building regulations, our FENSA registration covers this.

Naturally I will be delighted to go through any element of this quotation that you have questions on, provide further samples and arrange a tour of our factory to show you the quality of our products and processes in more detail.

I look forward to hearing from you.

Regards,

Duncan Wright
 Managing Director

Quotation Notes

This quotation is provided in accordance with our standard specification as stated below.

General Information:

- All drawings are viewed from the outside.
- Dimensions are estimated following my visit, a full survey and preparation of drawings for your approval is included in this quotation.
- Any internal or external trims specified are fully decorated to match the windows.
- Installation **INCLUDES** the removal and disposal of existing windows, fixing new items, sealing externally and internally, making good any internal plaster, making good any external render.
- Installation **EXCLUDES** the removal and re-instatement of curtains and blinds*, re-decoration of plaster or render where made good, making good to internal plaster where blown.*
- * Should you wish us to carry out either of these tasks we will gladly do so and charge on an hourly basis accordingly.

Key to abbreviations:

Frame

CE = Cill Extension

CSE = Cill Side Extension

WBG = Window board groove

Glass

Tot+ = Planitherm Total+ Coating

One = Planitherm One Coating

K = Pilkington K Coating

LI = Low Iron Glass

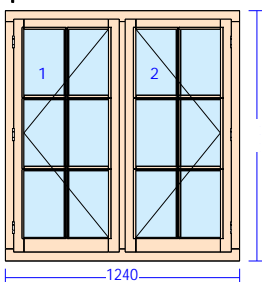
Arg = Argon

Kry = Krypton

Ac = Acoustic Glass

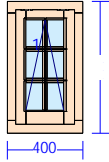
Lam = Laminated Glass

Item	Quantity	Description
1	9 No.	<p>ground and first floors</p> <p>Flush Casement Window (C2-94-44)</p> <p>Timber : Engineered Softwood (FSC Certified)</p> <p>Frame Profile: Standard, Bevel Extended</p> <p>Sash Profile: Historic Lambs Tongue (18mm)</p> <p>CE/WBG: Yes / No</p> <p>Frame Drips: No</p> <p>Sash Bar: Solid Bar</p> <p>Finish: Traffic White - RAL 9016</p> <p>Gasket: White</p> <p>Glazing: 12 No. 4.0mm Float / 6 Arg / 4.0mm Float-1.0 with a Bronze Historic Aluminium Spacer</p> <p>Glazing Method: Putty, White</p>



Item	Quantity	Description
		Hardware: Foundry Collection in Black with Peardrop Handle
		# Hinge <u>Additional Information</u>
		1 White Butt
		2 White Butt
		U _w Value: 2.2W/m2K
		Approx Weight: 52 kg
	1 No.	New architrave

2



2 No.

second floor

Flush Casement Window (C2-94-44)

Timber : Engineered Softwood (FSC Certified)

Frame Profile: Standard, Bevel Extended

Sash Profile: Historic Lambs Tongue (18mm)

CE/WBG: Yes / No

Frame Drips: No

Sash Bar: Solid Bar

Finish: Traffic White - RAL 9016

Gasket: White

Glazing: 6 No. 4.0mm Float / 6 Arg / 4.0mm Float-1.0 with a Bronze Historic Aluminium Spacer

Glazing Method: Putty, White

Hardware: Foundry Collection in Black with Peardrop Handle

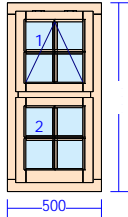
Hinge Additional Information

1 White Butt

U_w Value: 2.2W/m2K

Approx Weight: 12 kg

3



2 No.

second floor

Flush Casement Window (C2-94-44)

Timber : Engineered Softwood (FSC Certified)

Frame Profile: Standard, Bevel Extended

Sash Profile: Historic Lambs Tongue (18mm)

CE/WBG: Yes / No

Frame Drips: No

Sash Bar: Solid Bar

Finish: Traffic White - RAL 9016

Gasket: White

Glazing: 8 No. 4.0mm Float / 6 Arg / 4.0mm Float-1.0 with a Bronze Historic Aluminium Spacer

Glazing Method: Putty, White

Hardware: Foundry Collection in Black with Monkey Tail Handle

Hinge Additional Information

1 White Butt

2 Fixed Fixed,

U_w Value: 2.1W/m2K

Approx Weight: 20 kg

PAYMENT TERMS

All prices are subject to our standard terms and conditions attached.

Price fixed to: 1 month from above date

Payment Terms: 25% deposit, 50% prior to installation, 25% upon completion.

Availability: 12-14 weeks

SPECIFICATION

The quotation we have provided is subject to the following specification unless specifically stated in the quotation text or item notes. Please read through this information and, if required, we can make any amendments and send you a revised quotation.

Timber

Our windows and doors are manufactured as standard from certified timber sourced from well managed forests with full chain of custody through either the Forest Stewardship Council® (FSC) or the Programme for the Endorsement of Forest Certification schemes® (PEFC).

We use the following timber species in engineered form as standard:

- PEFC Finger Jointed Woodheart® (Nordic Scots Pine Heartwood) is used for the frame and sashes to give excellent dimensional stability and low moisture uptake.
- FSC Laminated Red Grandis is used for the doors giving clear sections with excellent dimensional stability
- FSC Sapele is used for plant on cills and door cills providing exceptional durability for exposed and hard wearing sections.
- FSC Accoya is used for the Sliding Sash linings providing clear sections with excellent durability.

We have a wide range of alternative timber options outlined in our product brochures, supplied with your quotation.

If you require an FSC or PEFC certificate to be supplied, please advise at time of order.

Please note that over the lifetime of the window fingerjoints may become visible though the paint. This is not a fault.

Coating System

Our windows and doors are all factory finished using an advanced 4 coat system developed with Remmers to provide excellent product life and finish. This allows us to provide a guarantee (backed by Remmers) of up to 10 years for Opaque finishes and 7 years for translucent finishes. For more detail on this, please see the attached coating guarantee datasheet.

Glazing

Our windows and doors are all factory glazed using a fully drained and vented system (except for certain conservation options) and internally beaded (except for certain conservation and direct glazed options). This protects the most vulnerable part of the glazing system from the elements and intruders, providing improved durability and security.

All drained and vented units have a 10 year manufacturer backed guarantee against any premature failure of the perimeter seal. This is a guarantee for supply and fit in the first five years and supply only for the remaining five years.

Hardware

Our hardware is specified at a very high standard to match the quality of our windows and doors mainly from UK or German manufacturers. To operate the products we have selected a range of cost effective handles and fittings that allow simple operation and compliment the appearance of the window. We do have a wide range of optional hardware, some at significant extra cost due to the materials and processes used to make them. Further information on these is available in our brochure.

All hardware is guaranteed by a 5 year manufacturer's warranty. This covers the performance and finish of the hardware and relies on the product being installed and maintained according to our installation and maintenance requirements defined below.

Design

We offer a plant on cill extension on all our window and doors (where a timber cill has been specified) and these are available as 30mm, 50mm, 70mm, 90mm and 110mm extensions. The 90mm and 110mm are provided without a paint warranty due to their exposure to weather conditions (best practice design advises away from large timber cill extensions for this reason).

Manufacturing Standards

Our products are made to the highest standards and will normally fully conform to BS 644:2009 and all other relevant national and international standards. However there are some sections of the standards that are either out of date or not possible to conform to, which are covered below:

BS644:2009/5.1.2 - Preservation (The standard refers to BS5589 1989 Section 2)

We normally use finger jointed redwood heartwood in the manufacture of our windows. Redwood heartwood was traditionally used to make long life timber windows. However, the classification of its durability relating to the current standards is arguable and therefore compliance with the standard may not be necessary. However, we treat all softwood windows with a Boron based preservative which includes a 30 year warranty provided by Azko Nobel. We recommend this process because it appears to be the most environmentally friendly product available and it performs very well with factory finished windows. (more details on this are available on request)

BS644:2009/5.2 - Adhesives

Where windows are finished with an opaque coating we always use Resorcinol formaldehyde. This performs exceptionally well and acts as a very good end grain sealer. However, due to its very dark brown colour we cannot use it on windows finished with translucent coatings, we therefore use D4 grade PVA adhesive with end grain sealant.

BS644:2009/6 - Profile Design

The standard calls for all external arrises to have a 1.5mm radius (where practical). We generally use a 3mm Radius, as recommended by our coatings supplier, but where a traditional looking glazing detail is required (often to comply with planning requirements) this cannot be used. The coating warranty

will be affected if a radius of less than 3mm is specified.

BS644:2009/8 - Glazing

BS644 states that glazing should comply with BS 6262. However, BS 6262 was re-issued in 2005 and no longer specifies glazing requirements. Instead, it now refers to the glazing requirements of BS8000-7 Workmanship on building sites - Code of practice for glazing. As most of our windows need to be traditionally looking, the size of the glazing rebate has to be restricted. Therefore, we allow an 18mm rebate depth. This means that the gap between the rebate and the glass unit will be a minimum of 3mm, as recommended in BS8000-7. In order to ensure the maximum possible sealed unit life, we use an internally beaded drained and ventilated system, and 7mm x 7mm drainage groove within the rebate.

Our doors will comply to BS EN 1530:2000 Tolerance Class 3 (4mm twist, 4mm bow and 1mm cup). However, if the building is inaccurately ventilated, the door is incorrectly adjusted or is not normally kept locked it may move outside of these tolerances.

Building Regulations

Document B - Fire Safety: Windows will not have been specified as a means of escape, unless requested otherwise. The use of French meeting rails or flying mullions allow these regulations to be met without affecting the aesthetics of the product.

Document E - Resistance to the Passage of Sound: All windows are supplied to our standard high specification unless requested otherwise. If there are specific acoustic requirements, please advise us and we can look at a variety of profile and glazing options to meet your needs. We have had a large amount of testing carried out on our products and can provide specific advice and supporting data if required.

Document F - Ventilation: Windows and doors have not been specified with any ventilation, unless requested. We have a wide range of sash/door and frame ventilation options, which can be found in our product brochures. Please be advise that we do not promote the use of window and door ventilators, due to them usually being left closed and therefore being ineffective. There are many more effective ways of ventilating a building that will prevent the need for window and door ventilators, which are Document F covers in detail.

Document L - Conservation of Fuel and Power: Our windows and doors all meet (and usually significantly exceed) building regulations, unless you have provided us with a specification that will not comply. In this case we will have highlighted it in the quotation notes immediately after the cost breakdown. Thermal performance is one of the areas in which we excel and we have a wide range of options for improving the performance of your product and also meeting strict planning constraints with thermally efficient products.

Document N - Glazing - Safety in relation to impact, opening and cleaning: Unless specified we will not have provided products that allow for cleaning from the inside. We do have a range of windows that allow easy cleaning from the inside including a fully reversible outward opening casement range (C3), an inward opening casement range (E1), a pivot range (P1) and a tilting sliding sash range (S3). These windows have the added benefit in that they usually allow for the simple re-coating of the windows to be carried out from the inside.