

**Quotation no:** Q-4996 REV4

Raphael Contracting Ltd

The National Gallery

Tel: +44 (0) 1234 826 316  
Fax: +44 (0) 1234 826 319  
Web: [www.staffordbridge.com](http://www.staffordbridge.com)  
Email: [sales@staffordbridge.com](mailto:sales@staffordbridge.com)

**For the attention of:** Paul Haugh



**e-mail:** [PaulH@raphaelltd.co.uk](mailto:PaulH@raphaelltd.co.uk)

26 January 2024

Dear Simon,

**Re:** SR2/3 Rated Heritage Security Doors and Security Windows.

We thank you for your recent enquiry and have pleasure in submitting our quotation as follows:

**The price below is based on:**

1. Individual doorset rates are **Supply Only**.
2. **Installation** rate is supplied on a separate line.
3. Stafford Bridge to remove existing doors prior to installation of new doorsets. Contractor to provide free of charge skip for disposal of existing door & door frame(s).

Supply Only: £91,281.00

Installation: £17,698.00

Site Survey: £1,248.00

Blast Calculations (Doorset EXV25) £1,838.00

Delivery: £1,900.00

**Sub Total: £113,965.00 (plus VAT)**

Samples (Window/Wilton): £6,056.00 (if required)

**Quotation Total: £120,021.00 (plus VAT)**

**Subject to extra over rates for additional option items, if required.**

**Please note:** All prices are nett prices, and any discount is as detailed on page 1 of the quotation.

*Our current delivery period is **14 WEEKS** from receipt of full and final manufacturing information.*

**Our quotation does NOT include** (*extra over rates may apply*):

- Signage
- Kick and Push Plates or any other door hardware not included in this quotation.
- Upgrading or Reinforcing of Unsuitable Openings



## WILTON DOORSET

<b>Security Rating</b>	- LPCB LPS 1175 <b>SR2</b>
<b>Blast Rating</b>	- HM Government 'People on Protected Spaces' <b>Category C25</b> EXV25(C).
<b>Acoustic Rating</b>	- Untested.
<b>Int/Ext</b>	- External - complete with head drip, weatherboard, low level aluminium threshold and proprietary weather strip.
<b>Heritage</b>	- Decorative panelling to match the existing door finish (West Entrance), as close as possible.
<b>Frame</b>	- 120x70mm rebated hardwood, rebated 25mm.
<b>Extension Lining</b>	- included to suit wall thickness.
<b>Architrave</b>	- Heritage (tbc profile) Hardwood
<b>Doors</b>	- composite hardwood timber/steel core with mdf/plywood finish.
<b>Door thickness</b>	- Minimum 70mm thick.
<b>Lippings</b>	- 10mm hardwood to all edges finished with construction veneer.
<b>Vision Panel</b>	- 2no W300xH1000mm tested and approved, with steel beads flush with the door face internally and externally. 250mm from all door edges and at a minimum height of 1100mm from the bottom of the door leaf.
<b>Meeting Stiles</b> (of pairs)	- Double 50x50x6 mild steel 'T' section.
<b>Frame Finish</b>	- Hardwood, Primed only (final decoration by others).
<b>Door Finish</b>	- Hardwood faces, Primed only (final decoration by others).
<b>Soleplate</b>	- 6mm stainless-steel soleplate.
<b>Hinges</b>	- minimum 5no. Surelock S2-HA6 hinges per leaf.
<b>Hinge Bolts</b>	- minimum 4no. Surelock McGill S8375 hinge bolts per leaf.
<b>Closer</b>	- Double ADO300 systems or similar, linked to push plates (by others).
<b>Other</b>	- 2no. kick plates at H200mm to internal faces. - 2no Knob furniture two external faces (non-working)
<b>Active Leaf Locking</b>	- Surface mounted Surelock <b>SLIMLINE</b> 3way auto-bolting, auto-locking system.
<b>Passive Leaf Locking</b>	- Surface mounted Surelock <b>SLIMLINE</b> 2way auto-bolting, auto-locking system.

**Entry** – Motorised – No override provision.

**Exit** – Motorised – (Active leaf) Lever handle giving single handed emergency exit to BS EN179:2008.

### Double Outward Opening Doorset:

D-WB1-001-B235 to suit W2030 x H2775mm structural opening	£38,681.00
<b>Sub Total</b>	<b>£38,681.00 nett</b>
1no. Installation of the above doorset	£3,944.00
1no Installation of Automation systems	£2,072.00
<b>Sub Total</b>	<b>£6,016.00 nett</b>

Customer supplied sizes.

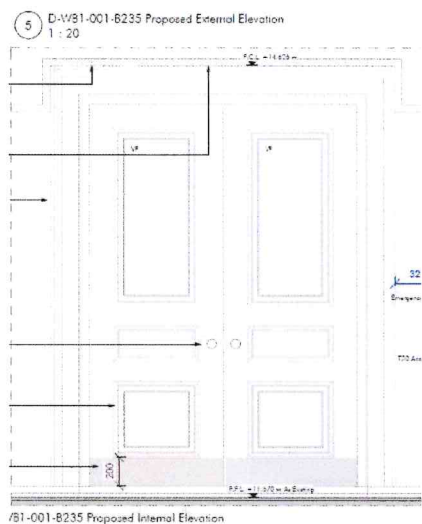
Electroplate - Brass finish over stainless steel

Surface Only locking for both leaves.

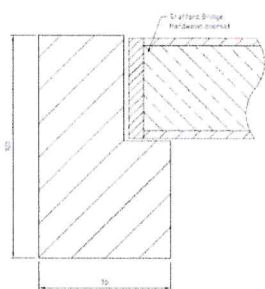
2no Brass Knobs to suit locking system and to be as like West Entrance KB2.

Locking function – Is to be confirmed. Additional costings may apply from that covered above.

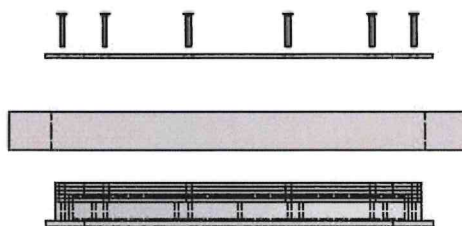
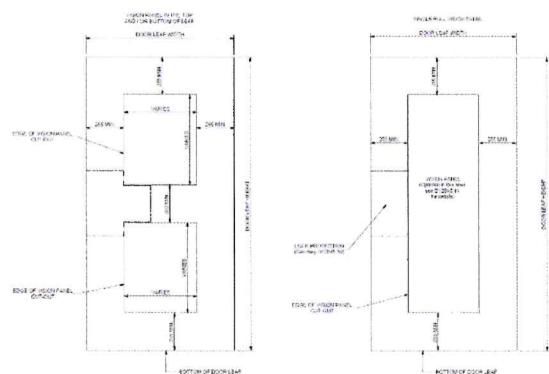
The doorsets **must** be outward opening.



### Frame Section Model:

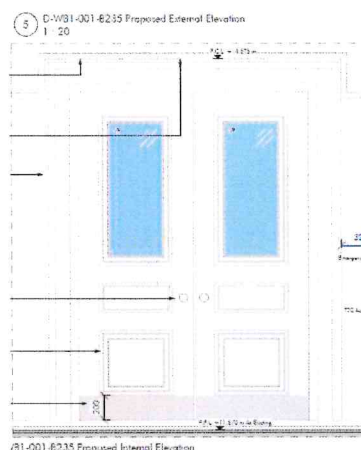


### Doorset Glazing:



**Note:** the glazing for certification must sit proud of the door leaf face, the heritage finish will require construction veneer to cover the steel beads and make the door finish flush. This will increase the door thickness which should be considered by the client.

It is assumed that the glazing of the doorset will be only the middle panel and that to meet the security rating will be W300xH1097mm. This will require all other beading to match to be aesthetically appealing. Highlighted in blue below:



Any change from the size will require review and potential additional costings.

250mm is required from the leaf edge(s) to the glazing aperture. Bead is approximately 20mm around the glazing.

**Approximate Clear Openings (Tbc):**

Clear opening height to actuator arm H2581mm

Clear opening @ 90 degrees – lock height open active leaf to open passive leaf W1660mm

Clear opening @ 105 degrees – lock height open active leaf to open passive leaf W1797mm

Clear opening @90 degrees – lock height 763mm

Clear opening @105 degrees – lock height 862mm

## HENDON DOORSET

<b>Security Rating</b>	- LPCB LPS 1175 SR2
<b>Fire resistance</b>	- Non-Fire Rated
<b>Int/Ext</b>	- External - complete with head drip, weatherboard, low level aluminium threshold and proprietary weather strip.
<b>Frame</b>	- 120x70mm rebated hardwood.
<b>Architrave</b>	- n/a
<b>Doors</b>	- composite hardwood timber core with mdf/plywood finish.
<b>Door Thickness</b>	- Minimum 54mm thick.
<b>Vision Panel</b>	- n/a
<b>Meeting Stiles (of pairs)</b>	- 50x50x6 mild steel 'T' section.
<b>Frame Finish</b>	- Primed only (final decoration by others)
<b>Door Finish</b>	- Primed only (final decoration by others)
<b>Soleplate</b>	- none
<b>Hinges</b>	- minimum 3no. Loadmaster 316 stainless steel per leaf
<b>Hinge Bolts</b>	- 2no. Surelock McGill S3-SG per leaf
<b>Closer</b>	- LCN 4041

**Active Leaf Locking** - Surface mounted Surelock **STIRLING** auto-bolting, auto-locking system.

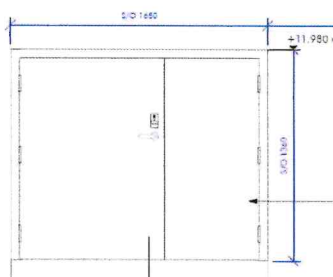
**Entry** - Key entry via Medeco M3ARX cylinder, in an approved and tested cylinder guard, and stainless-steel lever handle.

**Exit** - Green lever handle giving single handed emergency exit to BS EN179:2008.

**Passive Leaf Locking** - 2no. Surelock TB-W barrel bolts.

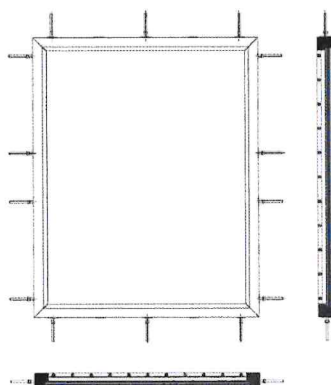
### Double Outward Opening Doorset

Doorset 517 to suit W1650 x H1360mm structural opening	£6,313.00
<b>Sub Total</b>	<b>£6,313.00 nett</b>
1no. Installation of the above doorset	£1,942.00
<b>Sub Total</b>	<b>£1,942.00 nett</b>



## DURHAM WINDOWS

<b>Security Rating</b>	- LPS 1175: Issue 8 C5 (SR3)
<b>Blast</b>	- EXV25 - Tested using ISO 16933 test method - EXV15 (100kg TNT@15m - no hazard) and EXV19 (no hazard), 250KPa (36PSI)
<b>Ballistic Rating</b>	- EN 1522 - FB4
<b>Int/Ext</b>	- External (Double glazed)
<b>Frame</b>	- 90mm frame
<b>Vision Panel</b>	- SR3/BR4 Glazing
<b>Frame Finish</b>	- Hardwood clad (Internal and External) Primed only.
<b>Glazing Beads</b>	- Beading to be decorative only and fixed to glazing to match frame (Internal & External).
<b>Thermal</b>	- Up to 1.1W/(m2K).
<b>Airtightness</b>	- BS 6375-1 Class 4, EN 12207 Class 4 (600Pa)
<b>Water resistance</b>	- BS 6375-1 Class 9A, EN 12208 Class 9A (600Pa)
<b>Wind load</b>	- BS 6375-1 Class AE2200, EN 12208 Class AE2200 (P3=3300Pa)
<b>UK weather exposure rating</b>	- BS 6375-1 Class 2000+
<b>CE Marked</b>	- Yes



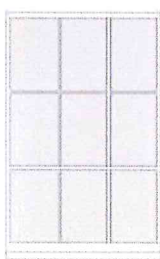
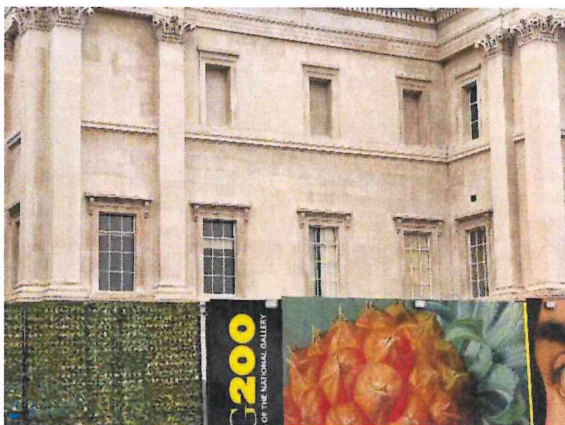
### SR3 Durham Fixed Light Security Window:

5no Durham Stainless Steel Window S/O W1240 x H1960mm	£8,842.00
<b>Sub Total</b>	<b>£44,210.00 nett</b>
Installation of the above Windows	£9,272.00
<b>Sub Total</b>	<b>£9,272.00 nett</b>

**Note:** Our security windows are all fixed light and are non-opening.  
 Internal shutters to be supplied non security, by others.  
 All windows to be fitted into steel, as all blast calculations/testing is in shear.  
 All windows to be surveyed, sizes are indicative and TBC.  
 Approximate glass weight 195kg.

Trickle vents will be added but are not part of the approved design and would be accepted as non-approved.

We have not tested our windows for acoustic ratings so will be deemed to satisfy EPDM, DPM or DPC by the main contractor.



The frame will be required to be fitted to the reveal to sit the frame behind the stone work to match the original appearance (breaking out by others).

New SR rated window to B231.

New SR3 rated windows to B247, B245, B235.

#### Samples:

Durham 300x300 window sample - with timber decorative beading and cladding **£3,831.00**

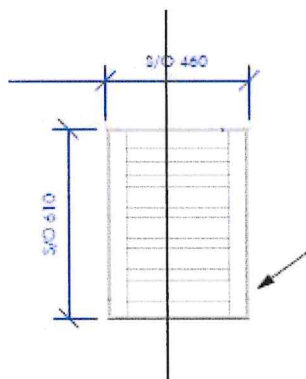
Wilton Heritage Door finish Sample 500x500 (non-swing) – Frame and door leaf finish with beading and small glazing section only **£2,225.00**

### Max Air Louvre

Security Rating	- LPS 1175 SR2
Int/Ext	- External
Size	- 460x610mm
Accelerant Mesh	- n/a
Construction Material	- Grade 304 stainless steel construction
Finish	- Factory finished PPC finish to agreed RAL
Fixings	- to suit TBC thick walling

### Max Air Louvre

1no. - LV-SWB1-001-L840 Security Louvre to suit H610w x W460 Structural opening	£2,077.00
<b>Sub Total</b>	<b>£2,077.00 nett</b>
1no. Installation of the above Louvre	£468.00
<b>Sub Total</b>	<b>£468.00 nett</b>



**Client Documents:**

PUR63 Research Centre Internal Shutter Security Specification.  
PUR64 Research Centre Entrance Blast Door Rating and Design.  
NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42013.  
NG200-PUR-Ss-25-30-20-ZZ-SP-A-00L20.  
NG200-PUR-Ss-25-30-95-95-ZZ-SP-A-00L10.  
NG200-PUR-SS\_25\_30\_20\_37-XX-SH-A-41000.  
NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42010.  
NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42011.  
NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42012.

**Customer Requirements:**

Site survey dimensions are required and have been allowed for the survey costs.

**Certification:**

Sandhurst Doorset - BRE LPS:1175 – C516c-06  
Durham Windows – BRE LPS:1175 – C516d-01

**Delivery:** the delivery charge is based upon one delivery of all doorsets and windows. Should these doorsets or windows be required to be delivered on a multi-delivery basis then this will be subject to an additional delivery cost. Also, delivery in this location incurs demurrage charges for delay. This is set at £440 per hour and would be chargeable to the client should there be a delay. All delivery arrangements for site by the main contractor, i.e., Council or site arrangements.

**Installation:** Rates quoted are subject to a site survey and **do not** include for the upgrading or reinforcing of unsuitable openings, stair climbers and the like or additional labour required for unexpected site logistics. All CDM requirements are provided by the main contractor.

**Terms:** All prices are nett prices and have already considered any main contractor's discount. All prices include for the supply and full factory fitting of the proposed locking systems.

Standard installation charges are based on installations being carried between the hours of 8am till 5pm Monday to Friday (excluding bank holidays). Any installation required outside of these hours will be subject to additional costs.

In situations where it is felt additional wall support is required due to the current condition or design of the existing wall structure and/or the weight and daily operation of the doorset, Stafford Bridge accepts no responsibility or liability in relation to the design, structural engineer calculations, cost or installation/building of any additional brickwork, concrete or steel construction felt necessary to provide adequate additional reinforcement and support to the door opening.

This quotation does not include for any attendance, work required to connect, fit, commission, or integrate the access control lock into the access control system.

Due to the weight and expectations of these high performance doorsets and the potential for unknown extraneous building elements such as Hvac pressures and building design/layout we are not able to guarantee opening forces in accordance with Part M of the Building Regulations without the addition of automatic door opening actuators. Should you require costs for these automatic opening devices then please do not hesitate to contact us so that we may provide you with a quote on a supply and install basis only.

Extra charges will apply for any additional requirement in relation to Health & Safety such as half/full day induction courses, on site part/full time Company Health & Safety Officers, specialist safety equipment which is site specific and/or over and above routine requirements.

If manufactured doorsets are required to be stored for a period longer than two weeks, then a storage cost will apply. The cost of storage is £130 per door per part or full week.

It is strongly recommended that these doors are maintained on a regular basis and in line with the maintenance details within our O&M manuals.

Should you require assistance with regards to future planned maintenance requirements then please feel free to contact me directly.

This quotation is strictly in accordance with our standard terms and conditions of sale, a copy of which is available upon request. It does not constitute an offer, and any order is subject to acceptance by the seller. This quote will remain firm for a period of ninety days, for deliveries within a further ninety days.

All prices are subject to VAT which will be chargeable at the current rate.

Standard payment terms are 28 days from date of invoice. However, these terms are subject to a financial credit check being carried out. The result of the evidence identified in the financial report may require alternative payment terms to be agreed.

Many thanks again for your valued enquiry. Should you wish to discuss this quotation, or require any further information, please do not hesitate to contact myself directly.

Yours Sincerely

*Brett Gibson*

Stafford Bridge Ltd

Mobile: +44 (0)7747 603793

Email: [brett.gibson@staffordbridge.com](mailto:brett.gibson@staffordbridge.com)

## Simon Thorpe

---

**From:** Simon Thorpe  
**Sent:** 07 August 2023 08:41  
**To:** Sarah Mullan  
**Cc:** Jason Wray; Richard Hayhoe; Martin O'Brien  
**Subject:** National Gallery  
**Attachments:** NG200-PUR-Ss\_25\_30\_20-ZZ-SP-A-00L20\_Doors\_Shutters\_Hatches Specification\_S4 - For Stage approval\_P22.pdf; NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42010\_Proposed Research Centre Entry Window - N-WB-B-04\_S4\_P13.pdf; NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42011\_Proposed Research Centre Entry Window - N-WB-B-05\_S4\_P13.pdf; NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42012\_Proposed Research Centre Entry Window - N-WB-B-06\_S4\_P13.pdf; NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42013\_Proposed Research Centre Entry Window - N-WB-B-07\_S4\_P13.pdf; NG200-PUR-SS\_25\_30\_95\_95-WB1-DG-A-42015\_Wilkins Proposed Windows Works - N-W-WB1-001-B211\_S4\_P13.pdf; NG200-PUR-SS\_25\_30\_95\_95-ZZ-DG-A-42002\_Wilkins Proposed Windows Works - RT-02\_A and RT-03\_A.pdf; NG200-PUR-SS\_25\_30\_95\_95-ZZ-SH-A-42000\_Existing Windows and Proposed Upgrades Schedule\_S4\_P27.pdf; NG200-PUR-SS\_25\_30-XX-DG-A-41003\_Members' House Typical Proposed FCU Cover\_S2 - For Information\_P12.pdf; NG200-PUR-SS\_30\_30\_95\_95-ZZ-SP-A-00L10\_Windows\_Rooflights\_Screens Specification\_S4\_P07.pdf; NG200-PUR-SS\_40\_90\_65-ZZ-SP-A-00Z31\_Powder Coatings Specification\_S4 - For Stage approval\_P07.pdf

Good morning Sarah

Further to our telephone conversation just now, please take a look at the below / attached and let us know if this is something you could help us with

We invite you to quote to **supply and fix** oak clad metal door sets and security rated widows on the above contract all in accordance with the attached documentation :-

Please note the following:-

- 1) Any timber based products are to be either FSC 70% mix or FSC 100%
- 2) You are to fully comply with the latest employment and health and safety regulations with all your operatives holding a current CSCS card
- 3) Please include your own ironmongery within your price
- 4) State your period for fixed price
- 5) Please return your quotation to our Chessington office by not later than COP Friday 9<sup>th</sup> August 2023

Regards



**Jason Wray**

Raphael Contracting Ltd

Tel 020 8391 9100 | Fax 020 8391 2220

Raphael House, 123 Roebuck Road, Chessington KT9 1EU

[www.raphaelcontracting.com](http://www.raphaelcontracting.com)





Certificate No. 8349

ISO 9001, ISO 14001, OHSAS 18001

---

Please consider the environment before printing this e-mail.

IMPORTANT: This message is private and confidential. If you have received this message in error, please notify us and remove it from your system.

Raphael Contracting Ltd is a limited company registered in England and Wales.

Registered number: 3010267. Registered office: 67 Westow Street, London SE19 3RW

Please note that Raphael Contracting Ltd may monitor email traffic data and also the content of email for the purposes of security and staff training.