

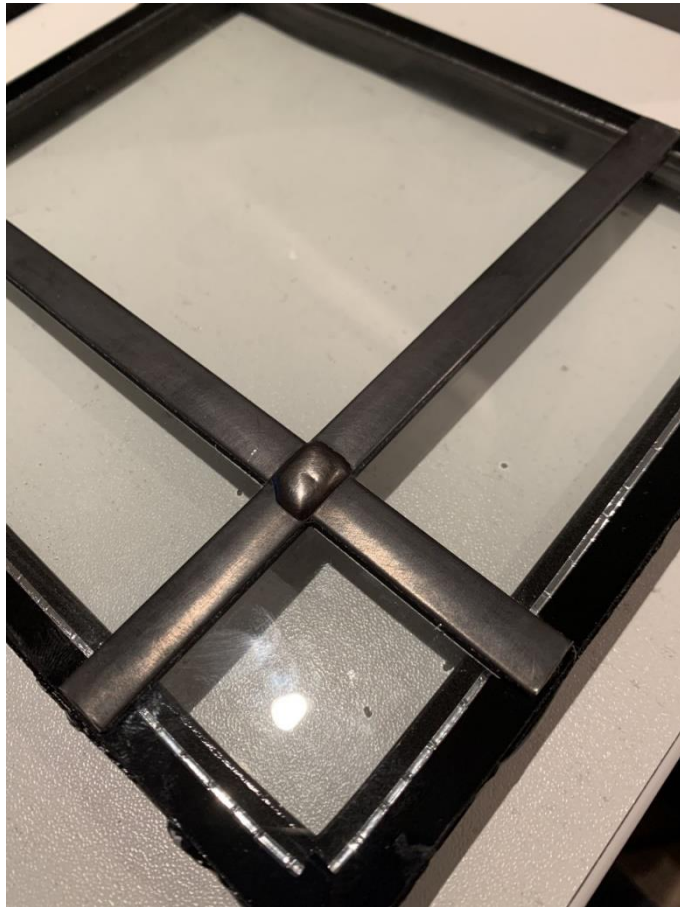
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20 PERRINS WALK, NW3 6TH

ARCHITECTURAL BRONZE CASEMENTS

15.01.2020





internal view

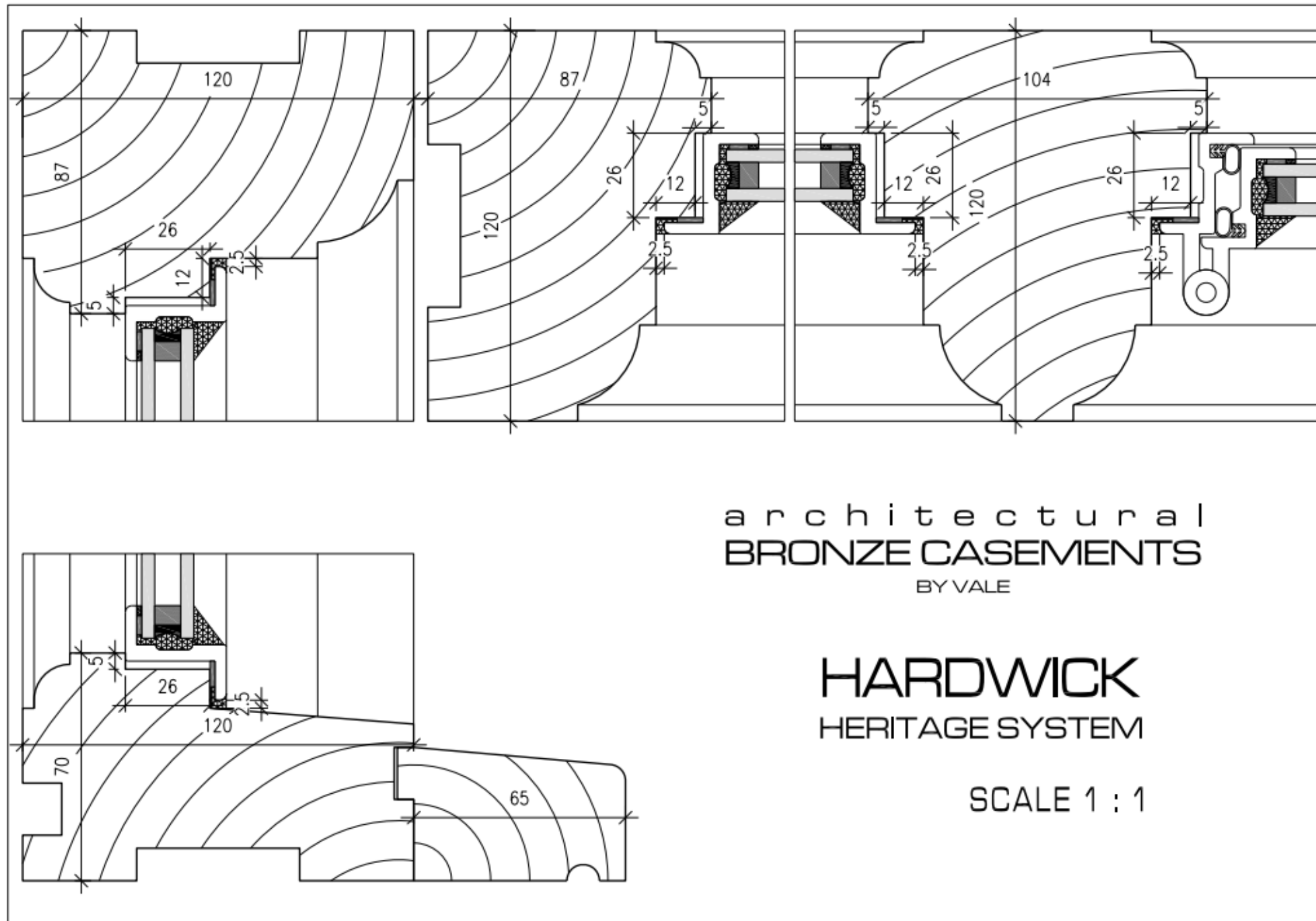
Sample of window – internal view and external view



Pictures during manufacture from Bronze Casements web page



ARCHITECTURAL BRONZE CASEMENTS  
Example showing applied lead to conservation double glazed unit.

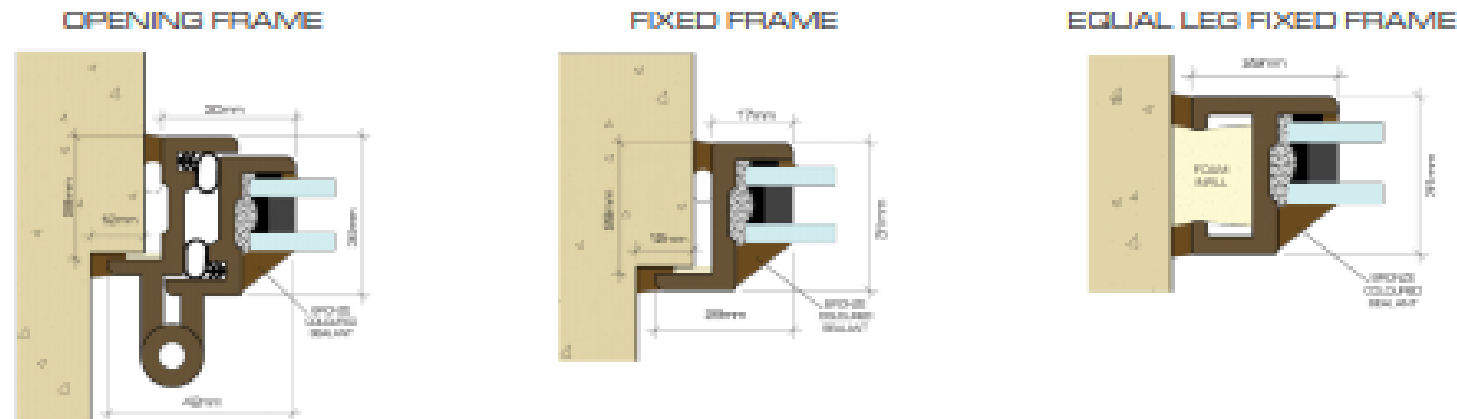


ARCHITECTURAL BRONZE CASEMENTS  
Standard Detail of first floor rear, front and side  
windows by Architectural Bronze Casements.  
[www.bronzecasements.com](http://www.bronzecasements.com)

# architectural BRONZE CASEMENTS

## HERITAGE SYSTEM DATA SHEET

The Heritage System is a traditional solid metal casement providing the look of putty glazed casements. It is most suited to heritage properties, where fine sightlines and traditional aesthetics are a consideration. The frame incorporates double weather seals and will accept single glazing or up to 16mm double glazed units, providing much improved energy and weather performance over traditional alternatives. Our most suitable system for achieving curved or shaped casements to your specification.



### DIMENSIONS

Frame depth	31mm
Fixed light sightline (internal)	17mm
Opening casement sightline (internal)	30mm

### FEATURES

- Suitable for side and top hung casements and fixed lights.
- Optional glaze bar detail for traditional Georgian panes.
- Optional trickle ventilation.
- Can achieve a tight radius for shaped work.

### STRENGTH, WIND, WATER AND SECURITY

The tests below are carried out on side-hung outward opening windows measuring 1645mm x 800mm and are tested excluding any additional security features.

**BS 6375 Part 1: 1989**  
Exposure categories measured in pascals

Wind	Water	Air	Exposure Category
2000 Pa	200 Pa	600 Pa	2000 Special

**BS 6375 Part 2: 1987**  
Operational and strength characteristics | Pass

**BS 7950: 1997**  
Enhanced security performance | Pass

### Heritage System Performance

Head Office: Architectural Bronze Ltd.  
Belton Park, Loundthorpe Road, Grantham, Lincolnshire, NG31 7PL

### RECOMMENDED DESIGN LIMITS

Side hung casement	Max O/A width	650mm
	Min O/A width	200mm
	Max O/A height	1700mm

Area of side hung casement must not exceed 1.105m<sup>2</sup>. Casements over 1100mm high will require 2 handles. Where width is greater than height, casement seal must be top hung.

Top hung casement	Max O/A width	1200mm
	Min O/A width	300mm
	Max O/A height	500mm
	Min O/A height	300mm

Fixed lights	Max O/A width	1200mm
	Max O/A height	2400mm

The inclusion of glazing bars, trickle ventilation, opaque glazing and abutment details may alter performance data and design limits. Please contact our sales team to discuss any requirements outside of the standard size limits detailed above.

### U-VALUE

U-value performance based on a 16mm double glazed unit made up of 4mm float/8mm 90% Krypton filled cavity/4mm Planitherm total + with warm edge spacer.

Fixed casement overall value	1.7W/m <sup>2</sup> K
Opening casement overall value	1.9W/m <sup>2</sup> K
Centre pane value	1.2W/m <sup>2</sup> K

When incorporating a genuine Georgian bar add 0.4 to the U-value.

U-values calculated in accordance with BS EN ISO 10077-1:2008 based upon a single fixed light sample 1230mm x 1480mm and a single opening light sample 1230mm x 1480mm. Inclusion of glaze bars, trickle ventilation or equal leg will affect performance.

Worst case system value 2.5W/m<sup>2</sup>K based upon single opening equal leg casement 1230mm x 1480mm with glaze bar and trickle ventilation.