

SOAS into Senate House



APPROVED MATERIALS

Revision	Status	Date	Produced by	Checked by	Approved by
3	Construction	07.08.15	HB	EF	CF

Document Number: 28731-SOAS-A-REP-XXX-XX-026

Contents and Introduction

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Introduction

The purpose of this report is to highlight the above mentioned materials for their approval of use on the SOAS into Senate House refurbishment project.

Revisions

C1	15.07.2015	Issue for information / approval
C2	05.08.2015	Travertine Panel sample added for approval
C3	07.08.2015	Glazed Brick sample added for approval



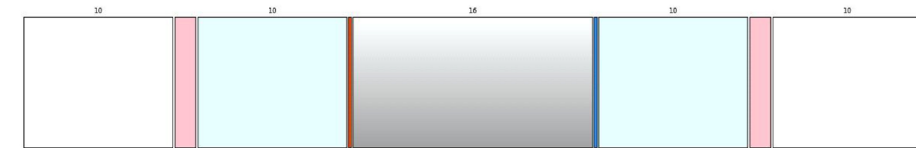
01 - Curved Roof Glass Photographic Sample / Data Sheet



SOAS - INASUS (Capa sobre Extraclear)

Product code

48 / 42 / 1,3



total thickness = 59,04 mm

Glazing from external to internal:

Pane 1		Pane 2	
10 mm	Float Glass UltraClear	10 mm	ClimaGuard Neutral 70
1,52 mm	PVB Clear	10 mm	Float Glass ExtraClear
10 mm	Float Glass ExtraClear	1,52 mm	PVB Clear
	SunGuard Solar Neutral 67	10 mm	Float Glass UltraClear
Spacer 1 - 16 mm			
10%	Air		
90%	Argon		

Results

Visible light (EN 410 - 2011)		Solar energy (EN 410 - 2011)	
transmittance [%]	$\tau_v = 48,4$	solar factor [%]	$g = 42,4$
reflectance external [%]	$\rho_v = 17,2$	shading coefficient [g/0.87]	$sc = 0,49$
reflectance internal [%]	$\rho_v = 14,7$	direct transmittance [%]	$\tau_e = 28,2$
general colour rendering index [%]	$R_a = 93,1$	direct reflectance external [%]	$\rho_e = 14,4$
		direct reflectance internal [%]	$\rho_e = 14,7$
Thermal properties (EN 673 - 2011)		direct absorption [%]	$a = 57,4$
U-value [W/(m ² K)]	$U_g = 1,3$	UV transmittance [%]	$\tau_{uv} = 0,0$
slope $\alpha = 90^\circ$		secondary internal heat transfer factor [%]	$q_i = 14,3$
		Other data	
		estimated sound reduction index [dB] (EN 717-1)	$R_w = \text{NPD}$ $C = \text{NPD}$ $C_{tr} = \text{NPD}$

The calculated values are for orientation only and do not offer any guarantee regarding the fabrication of the un-intended end-product. Glass configurations do not amount to a guarantee of product availability.



CRICURSA
Joan Tarrus

Date: 18/12/2014
Database version: 20140926
Program version: 4.1.161

02 - New External Louvres Photographic Sample / Data Sheet

Note - Louvres to have white ppc finish to match existing windows.
Dulux Trade High Gloss 2013 0500N



30mm Weather Louvres

Description

For intake or extract air, the 45° blades are fixed at 30mm centres and have excellent integral rain defence features. Suitable for external mounting and designed for smaller louvre panels.

Construction

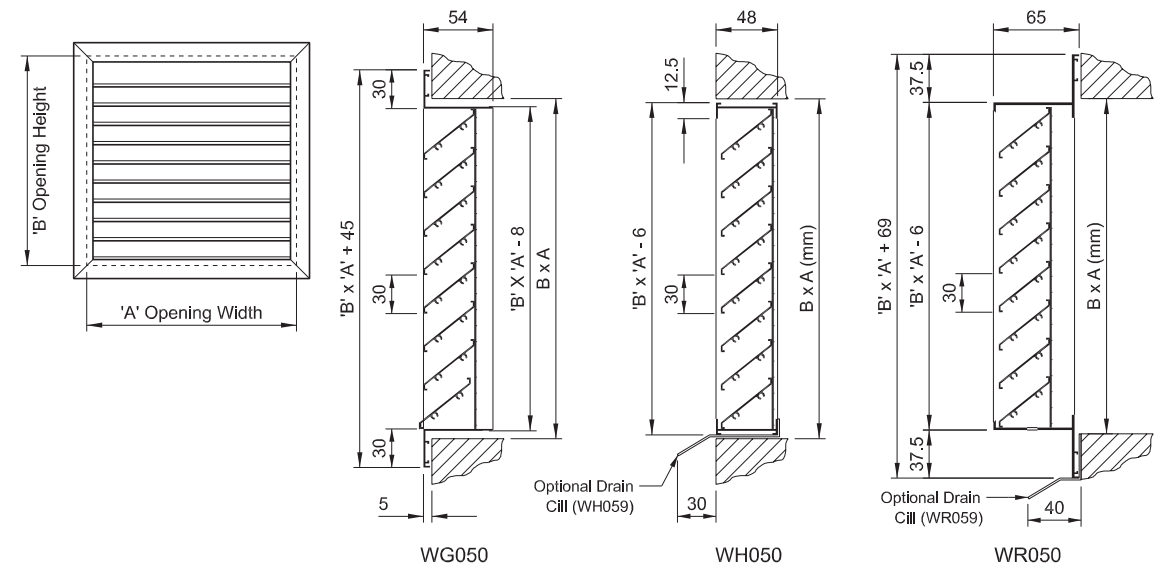
From extruded aluminium sections, frame and blades 1.6mm thick. Hairline mitres mechanically held. Fitted as standard with rear galvanised steel bird mesh screen.

Size and Weight

From 150 x 150 to 1200 x 1200, concealed rear mullions when width exceeds 900mm.
Weight approximately 11.5kg/m².
Free area 50%.

Product Specification

STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT
e.g. 10 Qty. WG050+0C 500 x 300.



Frame Style	Panel Options	Mesh Options	Accessories
WG 30mm Flange	0 Single Panel	5 Bird Mesh	0 None
WH Recessed Frame		7 Insect Mesh	9 Drain Cill
WR Reversed Angle Frame		0 None	

Fixings	Finish
0 None	D Mill Finish
1 Flange Holes	C PPC BS / RAL Colour
4 Rear Fixing Lugs	A Satin Anodised (WG050 Only)



T. 01457 861 538

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✉ sales@grille.co.uk

03 - New Portland Stone Photographic Sample

Note - The stone is Portland Base Bed from Albion Stone Quarry in Dorset.



04 - Replacement Windows / White Steel

Note - Colour to match recoated existing windows:
Dulux Trade High Gloss 2013 0500N

For further information, please refer to specification:
28731-SOAS-A-SPC-GEN-XX-L10

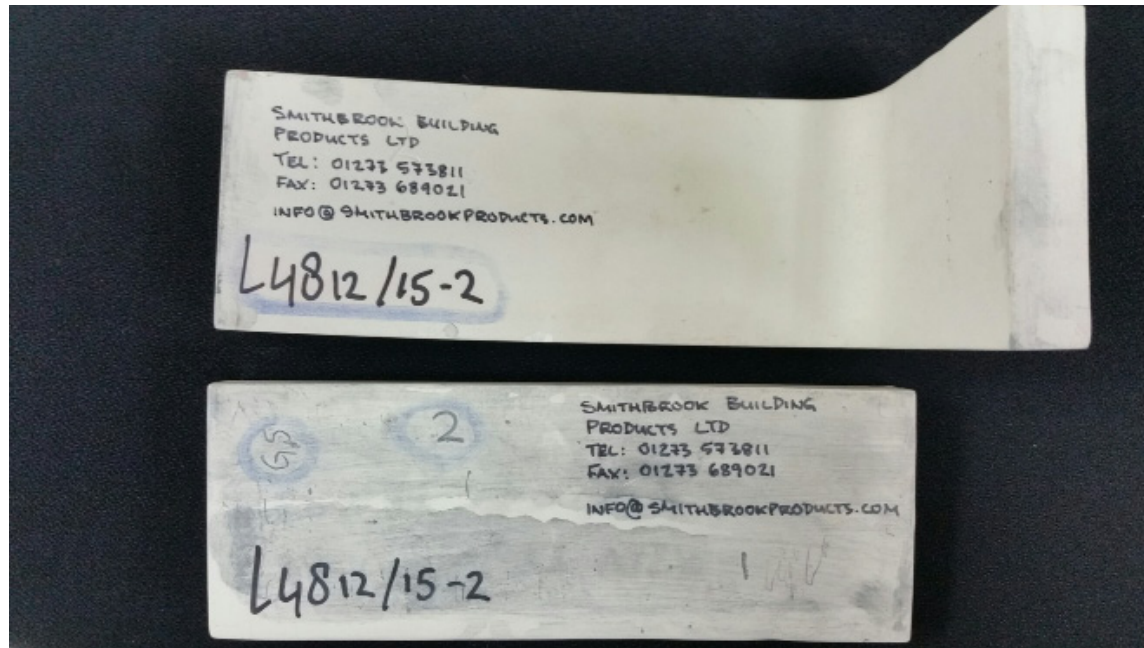
05 - Travertine Panels Photographic Sample

Note -

Stone Name: Travertino Romano Classico
Quarry Location: Bagni Di Tivoli (Rome)
Finish: Unfilled. Honed
Treatment: None
Date of Excavation: July 2015



06 - Glazed Brick Photographic Sample



External wall tiling to courtyard areas:

Type of tiling:

- Glazed ceramic external quality slip tiles to be manufactured to match existing white glazed bricks in colour, size and distressed surface finish (crazing). it must be accepted that crazing is by nature "random"
- To be colour white L4812/15-2 in approved shade and glaze intensity, size approx. 228 x 83 x 20mm obtainable from Smithbrook Building Products Limited, PO Box 2133, Shoreham-by-Sea, BN43 9BD. Tel 01273 573811, Fax 01273 689021.
- Sample to be approved prior to ordering.
- Corner bull nose pieces for courtyard window reveal to be manufactured with approx. 20mm radius angle, piece size approx. 228/115 x 83 x 20mm in accordance with Drawing No. 660, Dated 12/05/15, Project No. 2873

Installation:

Background to be wood float finish render, clean firm, free of dust and oil and strong enough to support the weight of the tiles. Allowance for tile and bed to be 30 - 32mm.

- Tiles to be solidly bedded using Ardex X7G adhesive, or similar, applied with a 5 x 5mm notched trowel in accordance with the manufacturer's instructions. Where tiles require cutting a suitable water-cooled diamond tipped wheel tile cutter to be used. Goggles must be worn.
- Joints to be nominal 2.5mm fully grouted to the depth of the tiles in grey mortar to match existing in colour and texture.
- All in accordance with BS5385 and BS8000.

General cleaning after installation may be carried out using non-soapy detergent. The tiles should always be wetted prior to cleaning.

Smithbrook building Products Limited
PO Box 2133
Shoreham-by-Sea
BN43 9BD
Telephone: 01273 573811
Fax: 01273 689021
www.smithbrookproducts.com
E-mail: info@smithbrookproducts.com

Comments recieved from Donald Insall Associates on 05.08.2015:

From: Heather Cerowski [<mailto:Heather.Cerowski@insall-architects.co.uk>]

Sent: 05 August 2015 14:44

To: Foxley, Emma; Denver Magowan

Cc: Henry Armstrong; Stephen Nicholl; Ling, Dan; Michael Brown; Paul Simpson

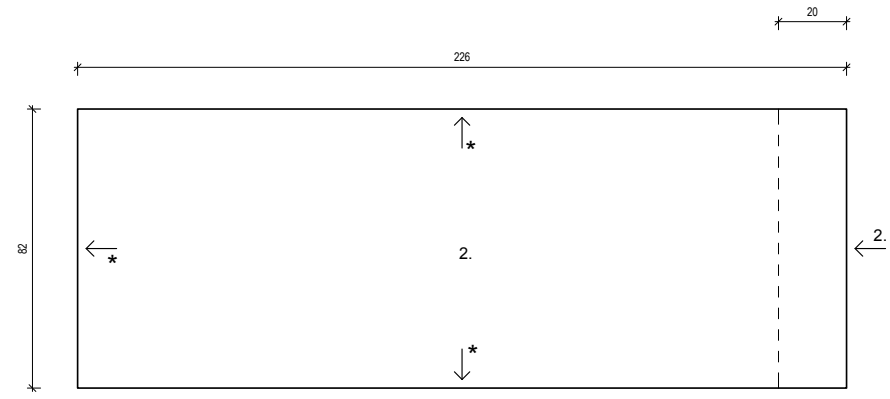
Subject: RE: Glazed brick Planning Condition

Emma

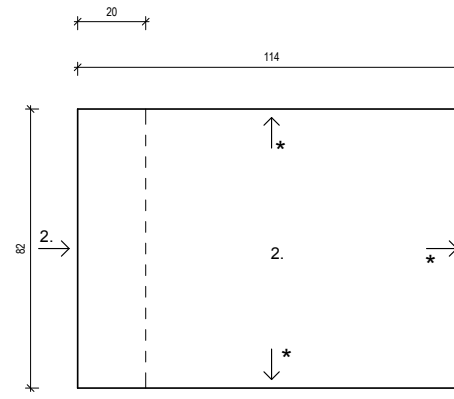
We are happy to go ahead with the 2 samples I identified with Henry on site earlier this week. Henry has these marked in the site office and will be able to let you know which they are.

Kind Regards
Heather

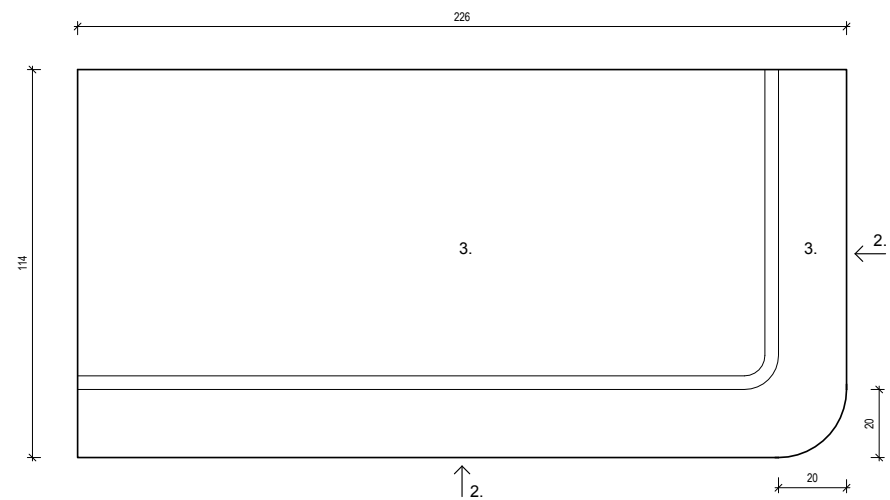
06 - Glazed Brick Proposed Dimensions



GLAZED BRICK - ELEVATION



GLAZED BRICK - ELEVATION



GLAZED BRICK - PLAN

1 **GLAZED BRICK DIMENSIONS - COURTYARD WINDOW REVEAL**
1:1

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REPRODUCTION DO NOT SCALE FOR CONSTRUCTION PURPOSES.
ALL DIMENSIONS TO BE CHECKED & VERIFIED ON SITE PRIOR TO CONSTRUCTION.

Safety first. Second nature.

Safety, Health and Environment Information

The significant unusual hazards / risks associated with this type of work are noted as:

CONSTRUCTION	
CI	
CR	
OPERATION AND MAINTENANCE	
OI	
OII	
DISMANTLING/DEMOLITION	
DI	
DI	

NOTE - TO BE READ IN CONJUNCTION WITH RISK REGISTER

PLEASE NOTE:

- ISSUED FOR SAMPLE PURPOSES ONLY
- GLAZED FACE TO MATCH EXISTING GLAZED BRICKS IN COLOUR AND TEXTURE. NOTE ARRISES HAVE A SLIGHT CURVE (*) AT EDGES OF BRICK. FOR BEST MATCH A PHYSICAL SAMPLE SHOULD BE INSPECTED.
- SUBSTRATE TO BE VERIFIED BY SPECIALIST MANUFACTURER.
- DIMENSIONS ARE BASED ON ONE BRICK SAMPLE.

REV	DATE	DESCRIPTION	BY	CHK/APP
1	12/05/15	CONSTRUCTION ISSUE	HB	EF/MD

KEY PLAN

PROJECT STATUS: CONSTRUCTION

CLIENT: GRAHAM CONSTRUCTION

mace
155 Moorgate, London, EC2M 6XB
www.macegroup.com

PROJECT TITLE: SOAS INTO SENATE HOUSE
MALET STREET
LONDON, WC1E 7HU

DRAWING TITLE: GLAZED BRICK DIMENSIONS
COURTYARD WINDOW REVEAL

PROJECT NO.	DRAWN BY	DATE
28731	HB	12/05/15
	CHK BY	DATE
	EF	12/05/15
	APPD BY	DATE
	MD	12/05/15

PROJECT CODE	DISC	VIEW TYPE	VIEW CAT	LEVEL	TOWNS. NO.
SOAS - A	- DET	- GEN	- XX	- 660	
SHEET NO.	SCALE	ORIG. SHEET SIZE	REV.		
1 of 1	1:1	@A1	C 1		

INFORMATION HANDLING CLASSIFICATION
UNRESTRICTED