08 Installing secondary glazing

PLANNING AND BUILDING CONTROL
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Secondary glazing can have minimal visual impact if carefully planned. The design should seek to be as discreet as possible with small frames concealed from view from the outside and unobtrusive internally.

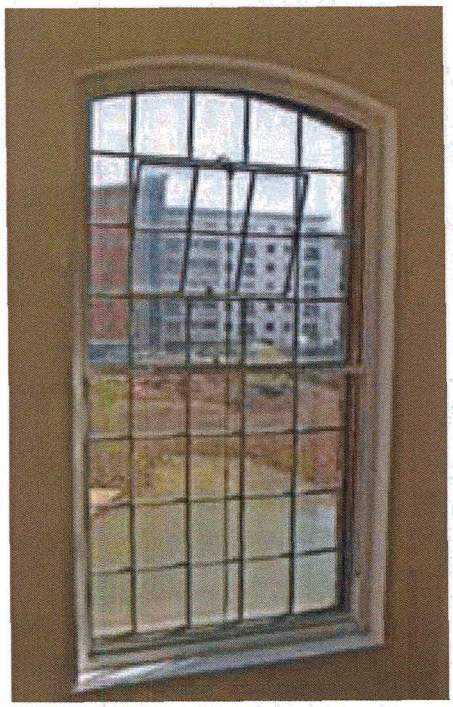
There are many different ways of installing secondary glazing to a window opening. Consider the designs and specifications as early as possible in the project to ensure a successful result. A good way to start is to contact one of the specialist companies who offer help and advice on the proposed installation.

Whilst the framing material may be lightweight glass is deceptively heavy – 10Kg/m² for 4mm thick panes and 15Kg/m² for 6mm. Manufacturers provide guidelines for size and weight limitations for the safe handling of the proposed secondary glazing unit.

In the design process the following is an indication of the type of factors to be considered with key issues being the minimisation of damage and ease of use. The purpose of the installation will guide the fixing position and type of glass specified.

EXISTING WINDOW DESIGN

The design of the original window can be used to determine the style of the secondary glazing to be installed. The dimensions of the primary window are fixed but the secondary glazing can be designed into manageable sized units.



11 Vertical sliding secondary sashes used with a cast iron window © Selectaglaze



12 Secondary glazing carefully incorporated with window reveal panelling © Selectaglaze

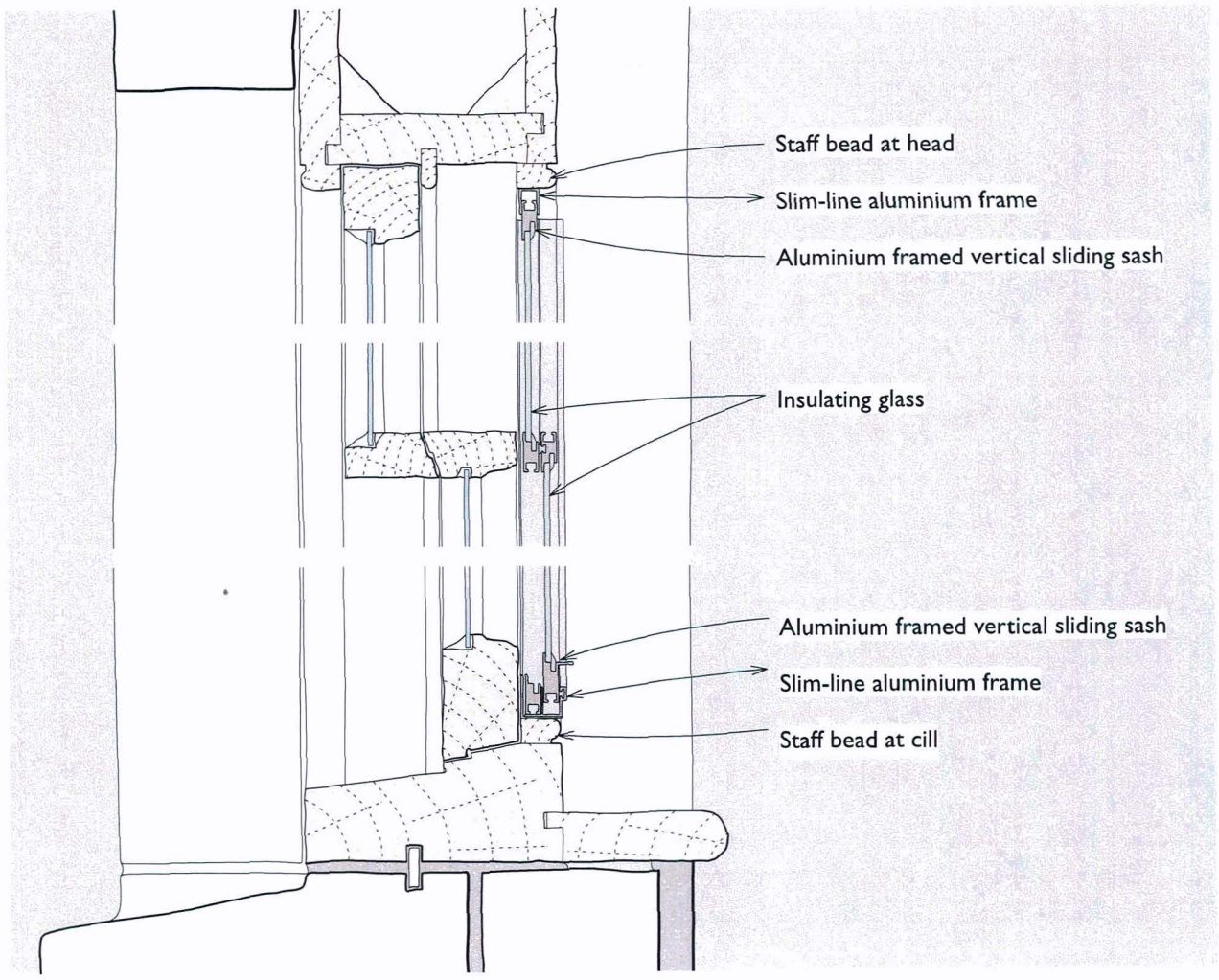
PHYSICAL CONSTRAINTS

Secondary windows are usually located immediately inside the existing sashes or at a suitable position within the depth of the window reveal. A survey of the existing window opening by the specialist company will identify the limitations, for example whether there is sufficient depth in the reveal to locate the secondary glazing.

SHUTTERS

Where shutters or other joinery are present, careful thought will be required. Sometimes secondary glazing can be positioned between the primary window and the shutters so that the shutters still function. If the shutters are housed within the window reveal it may be possible to install secondary glazing on the room side of the shutters. If the secondary glazing cannot be inserted without making the shutters inoperable the shutters could be fixed shut but not altered so that they can be brought back into use at a later date.

SLIM-LINE SECONDARY GLAZING FIXED WITHIN DEPTH OF STAFF BEADS
(Allows continued use of shutters)



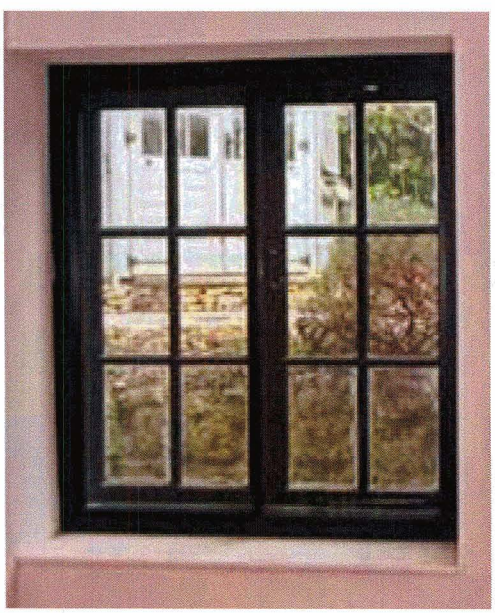
13 Where shutters are in use, secondary glazing can be incorporated by fitting slim units within the depth of staff beads. In this situation a casement opening arrangement would allow easy cleaning of the outer window.



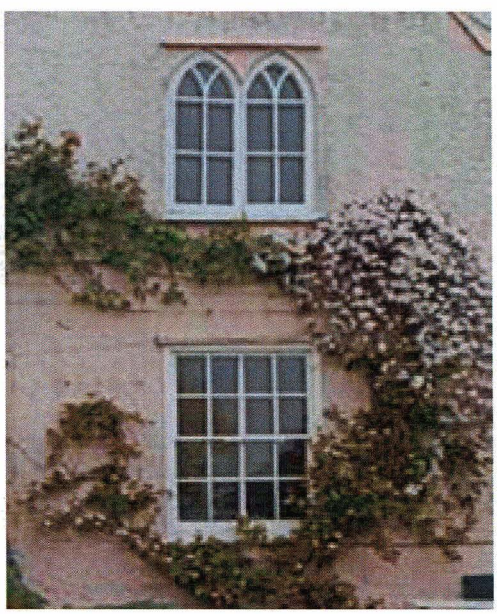
14 Slim profile secondary glazing used in conjunction with opening shutters © Storm Windows

VISUAL IMPACT

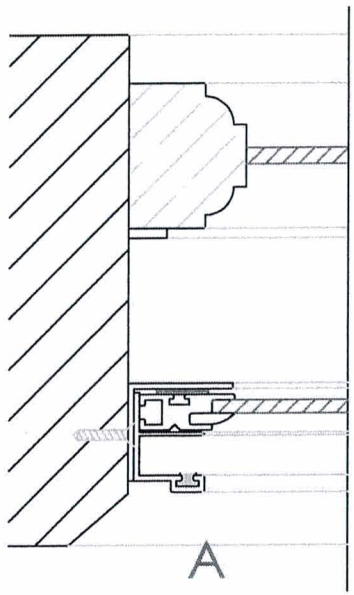
Secondary glazing can be visually intrusive externally and internally if badly designed. To minimise the visual effect of secondary windows externally, try to make sure the secondary glazing is not smaller than the glazed area of the existing window. Try to place any divisions in the glazing behind the window meeting rails or glazing bars. The flat reflections of modern glass within secondary glazing can be minimised by using anti-reflective glass.

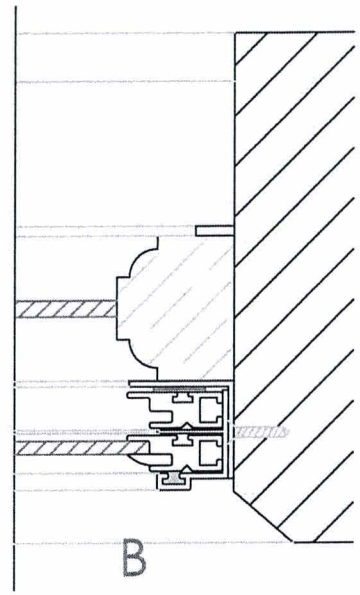


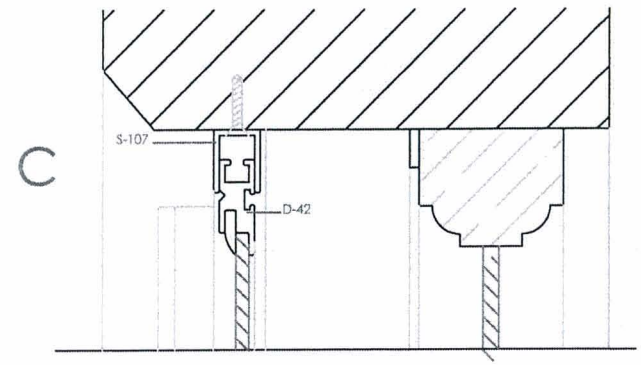
15 A secondary glazing unit colour matched to the primary window for minimal impact © Selectaglaze

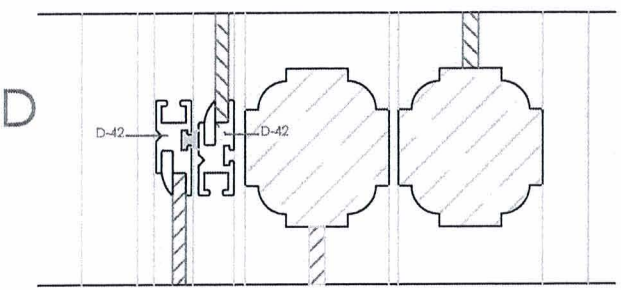


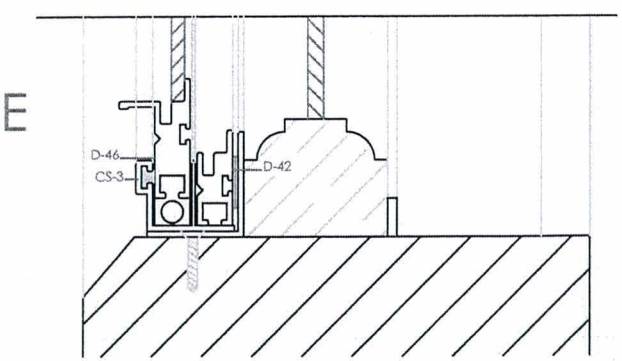
16 secondary glazing added to these windows makes no visual impact externally © Selectaglaze

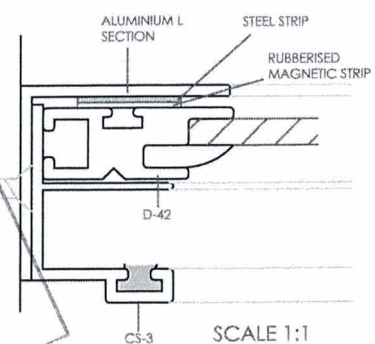


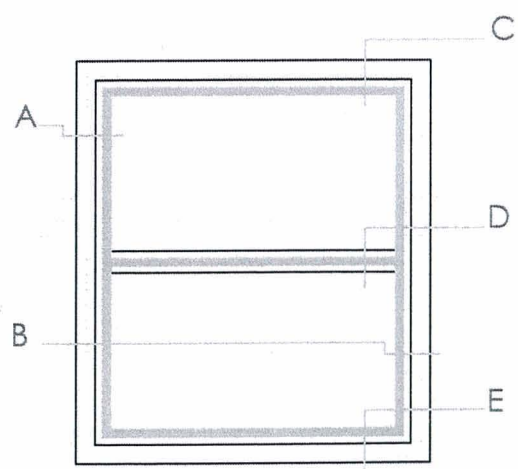












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STORM WINDOWS

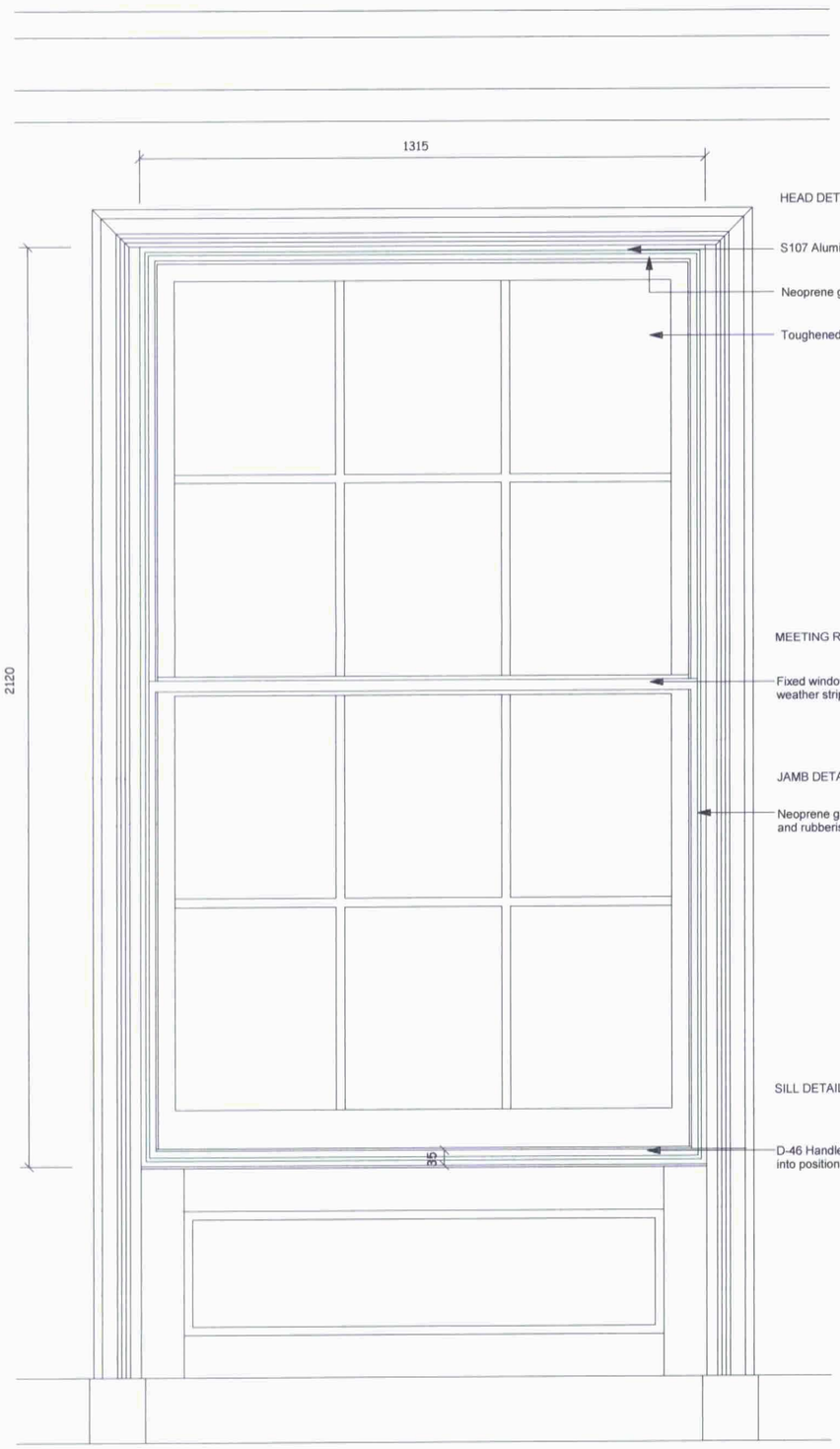
TYPICAL CROSS SECTION THROUGH LVSS UNIT INTO REVEAL OR SASH BOX WITHOUT STAFF BEADS SCALE 1:2

NOTES:

DWG No: **SW/005/06A**

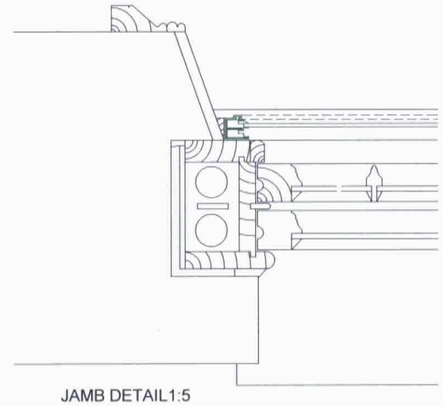
DRAWN BY: A.BELLERBY **01/01/08**

DO NOT SCALE FROM THIS DRAWING
ALL DIMENSIONS MUST BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION

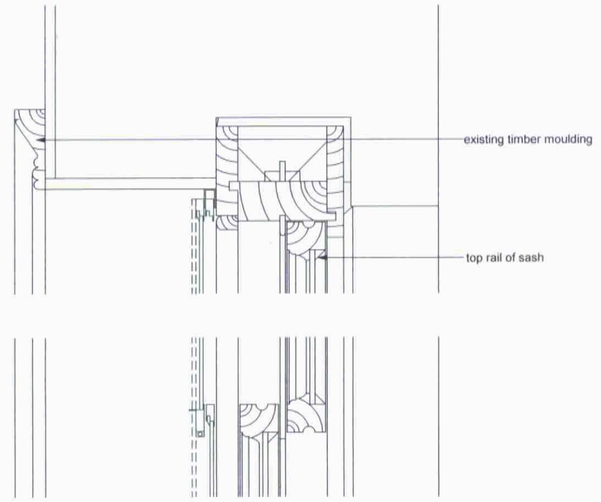


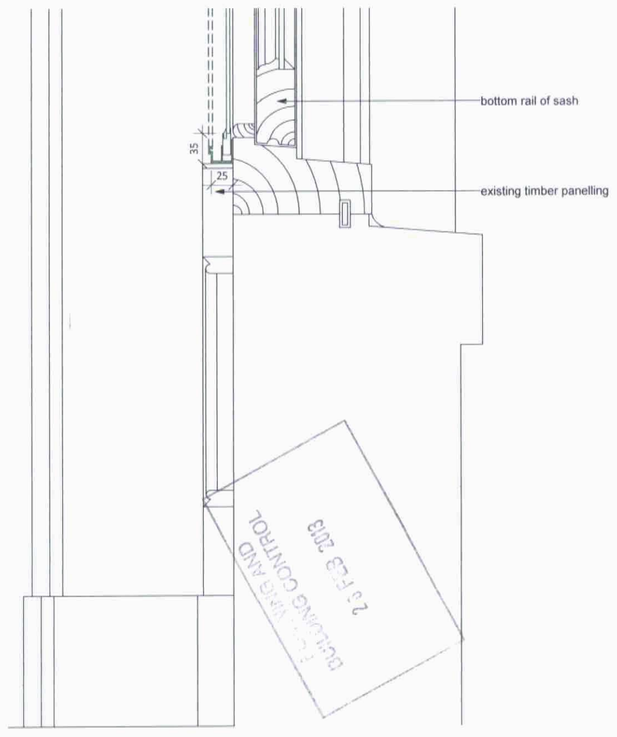
FIRST FLOOR WINDOWS: W30, W31, W32, W33, W34, W35, W36, W37, W38

Internal Elevation 1 : 10

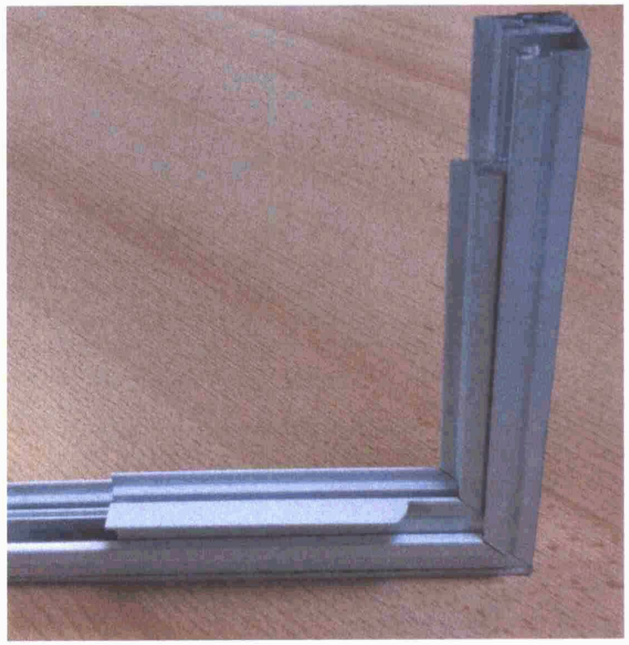


JAMB DETAIL1:5





CILL / HEAD DETAIL 1:5



Slim profile sliding sash secondary glazing by © Storm Windows

Rev	Date	Int	Description

Bernard Taylor Partnership ARCHITECTS

Client:
Manc'r Historic Buildings Trust

Project:
Elizabeth Gaskell's House,
84 Plymouth Grove

Description:
Secondary Glazing Details

Drawn By:	Checked By:	Date:	Scale @ A2:
Author	Checker	02/21/13	1 : 5

Job No:	Drawing No:	Rev:
2124	550	

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