

THERMAL STRESS RISK ANALYSIS

Name:		Company Name:	
Email:		Tel number:	

PROJECT:

Project Name:		
Reference No.:		
Location:	Street No.:	
	Street Name:	
	City:	

GLAZING SPECIFICATION:

Outer Pane:		mm	Edgework:			
Spacer:		mm	Gas:			
Inner Pane:		mm	Edgework:			
If larger than Double Glazed Unit (above inner pane becomes centre pane) please fill out below:						
Spacer:		mm	Type:			
Inner		mm	Edgework:			
Pane:						
Pane Sizes:	Width		mm	Height		mm

GLAZING CONDITIONS:

Glass Installation:	0° = Horizontal; 90° =
Pitch:	vertical °

Framing type			
Material (i.e. steel with thermal barrier, aluminium without thermal barrier):			
Outer frame colour (please tick) Dark		Light	
Movement (i.e. fixed, side hung, vertical pivot, horizontal slider etc):			
N.B. This information is important as non-fixed movements require additional calculations.			

OUTSIDE ENVIRONMENT:

1. Solar Protection: Yes No

(If yes, please include complete description below (type, colour, distance between protection and outer pane, etc.)

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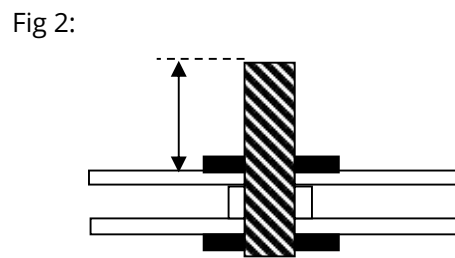
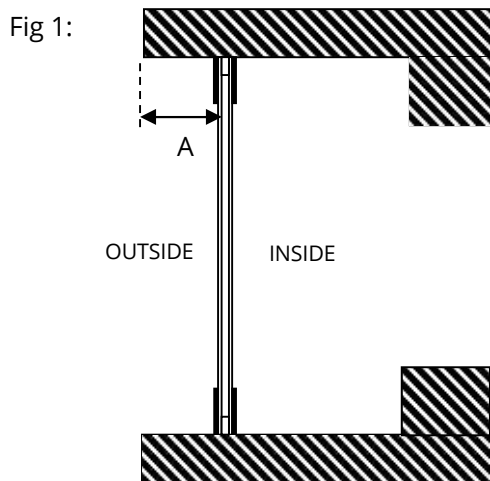
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2. Shadows:

Overhangs (Fig 1): Yes No Mullions (Fig 2): Yes No

(If yes to either please complete corresponding information below)



Overhang (A)	mm	Mullion (B)	mm
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Other elements:

Static Shadow: Yes No Transient Shadow: Yes No

(If yes, please include complete description below (origin, shape of shadow, etc.)

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INSIDE ENVIRONMENT:

Blinds: Yes No
 Type: Venetian
 Slats
 Screen
 Other

Colour: Light
 Dark

Fig 3:

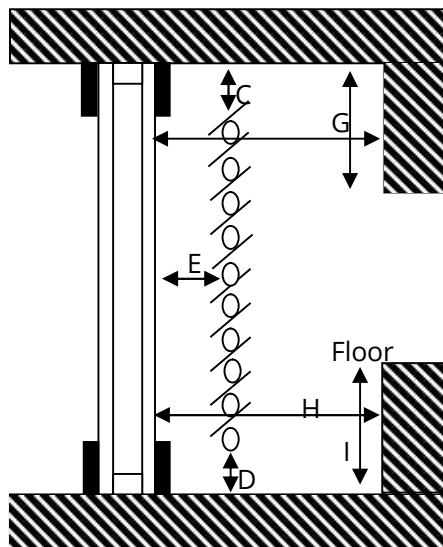
C	mm
D	mm
E	mm

Backups: Yes No

Fig 3:

F	mm
G	mm
H	mm
I	mm

Fig 3



N.B. If there are other configurations, please attach any drawings with this document.

Other factors:

Heating: Yes, but with no direct influence on the glass No

Air conditioning: Yes, but with no direct influence on the glass No

OTHER FEATURES:

Please list any other features which may impact on the thermal stress of the glazing unit such as:

- Internal: pipework; ducts; columns; etc. External: objects which could cast
- shadows on the glass - buildings; trees; columns; etc.

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PLEASE NOTE: If the glass is calculated to be at risk when in annealed form, and the glazing design can not be altered, then thermally heat treated glass (toughened or heat-strengthened) may be used as an alternative to reduce the likelihood of thermal stress.

N.B. All calculations only relate to Saint-Gobain Glass products. If the glazing specification stipulated on page 1 is substituted for alternative products, then any Thermal Stress Risk Analysis created from this information will be invalid.

Customer Signature:

Date:

Please send completed form to:

Richard Hickson, Senior Technical Specification Manager

E-mail: richard.hickson@saint-gobain.com

Tel: 07710 358712