

# ASTM E 1300 Glass Load Resistance Report

## JOB DETAILS:

Project Name: Web page Report Example  
Project Location: www.Standardsdesign.com  
Glass Location:

## WINDOW GLASS DETAILS:

Rectangular Dimensions: Width: 1500 mm; Height: 1000 mm  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Sloped at 0° from Horizontal

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	Outboard Lite	Inboard Lite
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Glass Type:	Fully Tempered	Annealed
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	6 mm	8 mm
Laminate Construction:		4/0.76/4

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## SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) + Glass Weight: 1.28 kPa  
Factored Resistance: 3.14 kPa  
Approximate Center of Glass Deflection: 2 mm

## LONG DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (app. 30 days) + Glass Weight: .28 kPa  
Factored Resistance: 4.18 kPa  
Approximate Center of Glass Deflection: 1 mm

## CONCLUSION:

Based on your design information, this glass configuration will resist the specified loading.

## STATEMENT OF COMPLIANCE:

Procedures followed in determining the resistance of this window glass configuration are in accordance with ASTM E 1300-97.

### Disclaimer:

This software can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturers recommendations;
- The glass is supported on all four sides by a framing system sufficiently stiff to limit lateral deflection of the glass edge (not center-of-glass) less than to 1/175 of the glass edge length; Center of glass deflection in excess of 19-mm (0.75-in.) is a design issue and does not affect glass strength;
- The laminated glass factors for short term loads are representative of room temperature data to which the glass is exposed.

For other limiting conditions that may apply, refer to Section 5 of ASTM E1300 and local building codes.

Prepared by: \_\_\_\_\_ Date: 3/24/01  
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