

Project Details

Project Name:  
 Project Location:  
 Comments:

Window Glass Details

Glass Construction: Single Glazed Lite

Edge Support: 4-Sided  
 Glazing Angle: 45°  
 Rectangular Dimension:  
 Width: 60.0 in.  
 Height: 75.0 in.

	Window Glass
Glass Type	Annealed
Construction	Laminated
Nominal Thickness	1/2 in.
Laminate Construction	(1/4)/0.030/(1/4)

Short Load Duration, Resistance and Deflection Data

Load (<= 60 sec.) + Glass Weight: 39.4 psf  
 Factored Resistance: 53.5 psf  
 Approximate Center of Glass Deflection: 0.22 in.

Long Load Duration, Resistance and Deflection Data

Load (app. 30 days) + Glass Weight: 4.40 psf  
 Factored Resistance: 32.1 psf  
 Approximate Center of Glass Deflection: 0 in.

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 are in accordance with ASTM E 1300-98

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 or equal 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: \_\_\_\_\_ on 1/28/2005