

GL-2 - 1/4" Clear TEMP / (.090 PVB) / 1/4" CLEAR TEMP

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: **Entrance 102 & 101 – 71" X 26.5"**

WINDOW GLASS DETAILS:

1/2" Laminated Window
Lite Designation: **QTY 1 Window**
Rectangular Dimensions: Long: 71" : Short: 26.5"
Window Construction: Laminated
1/4" Glass / 0.090" Clear PVB / 1/4" Glass
Window Orientation: Sloped at 0° from Horizontal

Product	1/2" Laminated
Glass Type:	Annealed
Construction:	Monolithic
Nominal Thickness:	Plate thicknesses -- 0.509"

Glass Type:	n/a
Construction:	n/a
Nominal Thickness:	n/a
Laminated Construction:	n/a

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf
Load Deflection : < 0.006 in

Maximum Allowable Glass Deflection: : L/175

CONCLUSION:

This glass configuration is below the maximum L/175 deflection for 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:

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 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 roof 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: 6/16/2016

