

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: **Milne School CDW - 001 – Mark Q1.dwg - (lite G2) 70" x 26" (Door)**

WINDOW GLASS DETAILS:

1/2-'' Door

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 70'' : Short: 26''

Window Construction:

1/4" CLEAR TEMP(.090 PVB) 1/4" CLEAR TEMP

Window Orientation:

Sloped at 0° from Horizontal

Outer Lite

Product

OLDCASTLE

Glass Type:

Tempered

Construction:

1/4" CLEAR TEMP(.090 PVB) 1/4" CLEAR TEMP

Nominal Thickness:

Plate thicknesses -- 0.5.09''

InnerLite

Glass Type:

n/a

Construction:

n/a

Nominal Thickness:

n/a

Laminate Construction:

n/a

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf

Load Deflection : < 0.005 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 : _____

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