ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: **RIVER CHASE - SHEET 3 - GL2 - 73.5 x 23 (Inner & Outer)**

WINDOW GLASS DETAILS: 1-" Insulated Window

Lite Support	4 Edges
Rectangular Dimensions:	Long: 73.5" : Short: 23"
Window Construction:	Insulated - ¼" Glass / 1/2" Gas/ 1/4 " Glass
Window Orientation:	Sloped at 0° from Vertical

Outer Lite

Product	SNX on CrystalGray #2
Glass Type:	Tempered
Construction:	Monolithic
Nominal Thickness:	Plate thicknesses -- 0.250"

InnerLite

Product:	Clear: Medium Gray Frit #4
Glass Type:	Tempered
Construction:	Monolithic
Nominal Thickness:	Plate thicknesses -- 0.250"

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.)	:	45 psf	
Load Deflection (Inner Lite):	:	0.078	in
Load Deflection (Outer Lite):	:	0.078	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.

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