

# ASTM E 1300 GLASS LOAD RESISTANCE REPORT

## JOB DETAILS:

Project Name: Algiers Pediatric 005 - 71 x 26.5

## WINDOW GLASS DETAILS:

**½" Laminated Window**  
Lite Designation: **QTY 1 Window**  
Rectangular Dimensions: Long: 71" : Short: 3626.5"  
Window Construction: Laiminate  
¼" Glass / 0.090" Clear PVB / ¼" Glass  
Window Orientation: Sloped at 0° from Horizontal

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Product: ½" Laminated  
Glass Type: Annealed  
Construction: Monolithic  
Nominal Thickness: Plate thicknesses -- 0.59"

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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 : < 0.006 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: 5/5/2016

## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: **Algiers Pediatric 004 - 71 x 26.5 (Outer & Inner Panes)**

### WINDOW GLASS DETAILS:

**1-1/4" Insulated Door**  
Lite Designation: **QTY 1 Door**  
Rectangular Dimensions: Long: 71" : Short: 26.5"  
Window Construction: Insulated  
1/4" Glass / 1/2" Gas / 1/2" Laminated Glass  
Window Orientation: Sloped at 0° from Horizontal

Outer Lite	
Product	1/4" Glass
Glass Type:	Annealed
Construction:	Monolithic
Nominal Thickness:	Plate thicknesses -- 1/4"
InnerLite	
Glass Type:	Laminated
Construction:	Monolithic
Nominal Thickness:	Plate thicknesses -- 1/4" Glass / 0.090 Clear PVB / 1/4" Glass
Laminate Construction:	n/a

### SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf  
Load Deflection (Inner Lite): : < 0.006 in  
Load Deflection (Outer Lite): : < 0.134 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:

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Algiers Pediatric 003 - 28.75 x 14.25 (Inner & Outer Panes)

WINDOW GLASS DETAILS:

1-" Insulated Window

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 28.75" : Short: 14.25"

Window Construction:

Insulated  
1/4" Glass / 1/2" Gas/ 1/4"

Window Orientation:

Sloped at 0° from Horizontal

Outer Lite

Product

1/4" Tempered

Glass Type:

Tempered

Construction:

Monolithic

Nominal Thickness:

Plate thicknesses -- 1/4"

InnerLite

Glass Type:

1/4" Tempered

Construction:

Monolithic

Nominal Thickness:

Plate thicknesses -- 1/4"

Laminate Construction:

n/a

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf

Load Deflection (Inner Lite): : < 0.001 in

Load Deflection (Outer Lite): : < 0.001 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 :

*[Signature]*



Date:

5/5/2016

## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Algiers Pediatric 003 - 12 x 14.25 (Inner & Outer Panes)

### WINDOW GLASS DETAILS:

**1-" Insulated Window**  
Lite Designation **QTY 2 Window**  
Rectangular Dimensions: Long: 14.25" : Short: 12"  
Window Construction: Insulated  
1/4" Glass / 1/2" Gas/ 1/4"  
Window Orientation: Sloped at 0° from Horizontal

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Outer Lite  
Product 1/4" Tempered  
Glass Type: Tempered  
Construction: Monolithic  
Nominal Thickness: Plate thicknesses -- 1/4"

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InnerLite  
Glass Type: 1/4" Tempered  
Construction: Monolithic  
Nominal Thickness: Plate thicknesses -- 1/4"  
Laminate Construction: n/a

### SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

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

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Algiers Pediatric 002 - 28.375 x 20.25

WINDOW GLASS DETAILS:

1/2-" Laminated Window
Lite Designation QTY 2 Window
Rectangular Dimensions: Long: 28.375" : Short: 20.25"
Window Construction: Laminated
1/4" Glass / 0.9. Clear PVB/ 1/4 " Glass
Window Orientation: Sloped at 0° from Horizontal

Product 1/2 " Laminated - Tempered
Glass Type: Tempered
Construction: Monolithic
Nominal Thickness: Plate thicknesses -- 0.590"

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 (Inner Lite): : < 0.001 in
Load Deflection (Outer Lite): : < 0.001 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 : [Signature] Date: 5/5/2016



ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Algiers Pediatric 002 - 20.25 x 12

WINDOW GLASS DETAILS:

1/2-" Laminated Window
Lite Designation QTY 2 Window
Rectangular Dimensions: Long: 20.25" : Short: 12"
Window Construction: Laminated
1/4" Glass / 0.9. Clear PVB/ 1/4 " Glass
Window Orientation: Sloped at 0° from Horizontal

Product 1/2 " Laminated - Tempered
Glass Type: Tempered
Construction: Monolithic
Nominal Thickness: Plate thicknesses -- 0.590"

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 (Inner Lite): : < 0.001 in
Load Deflection (Outer Lite): : < 0.001 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 :

Handwritten signature of Brian A. Mistich



Date:

Handwritten date: 5/5/2016

# ASTM E 1300 GLASS LOAD RESISTANCE REPORT

## JOB DETAILS:

Project Name: Algiers Pediatric 001 - 28.375 x 20.25 (Inner & Outer Panes)

## WINDOW GLASS DETAILS:

**1-" Insulated Window**  
Lite Designation **QTY 2 Window**  
Rectangular Dimensions: Long: 28.375" : Short: 20.25"  
Window Construction: Insulated  
¼" Glass / ½" Gas/ 1/4 "  
Window Orientation: Sloped at 0° from Horizontal

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Outer Lite  
Product ¼" Tempered  
Glass Type: Tempered  
Construction: Monolithic  
Nominal Thickness: Plate thicknesses -- 1/4"

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InnerLite  
Glass Type: ¼" Tempered  
Construction: Monolithic  
Nominal Thickness: Plate thicknesses -- 1/4"  
Laminate Construction: n/a

## SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf  
Load Deflection (Inner Lite): : < 0.012 in  
Load Deflection (Outer Lite): : < 0.012 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:

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

Prepared by :

  Date: 5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Algiers Pediatric 001 - 20.25 x 12(Outer & Inner Panes)

WINDOW GLASS DETAILS:

1-" Insulated Window

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 20.25" : Short: 12"

Window Construction:

Insulated  
1/4" Glass / 1/2" Gas/ 1/4"

Window Orientation:

Sloped at 0° from Horizontal

Outer Lite

Product

1/4" Tempered

Glass Type:

Tempered

Construction:

Monolithic

Nominal Thickness:

Plate thicknesses -- 1/4"

InnerLite

Glass Type:

1/4" Tempered

Construction:

Monolithic

Nominal Thickness:

Plate thicknesses -- 1/4"

Laminate Construction:

n/a

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Load (<=60 sec.) : 45 psf

Load Deflection (Inner Lite): : < 0.006 in

Load Deflection (Outer Lite): : < 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.

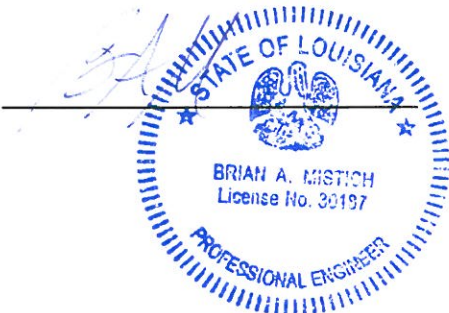
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For other limiting conditions that may apply, refer to Section 5 of ASTM E1300 and local building codes.

Prepared by :



Date:

5/5/2016