

## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Woodmere Community Center

### WINDOW GLASS DETAILS: Door

Rectangular Dimensions: Long: 87 in; Short: 30 in  
Window Construction: Double Glazed Glass Unit  
Window Orientation: Vertical

Single Lite

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Glass Type: Heat Strengthened  
Construction: Laminated Glass  
Nominal Thickness: 0.509 in  
Laminate Construction: .25/0.09/.25

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

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: 0.2 in  
Maximum Allowable Glass Deflection:  $L / 175$

### 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 : \_\_\_\_\_

Dammon Engineering, Inc.

Date: \_\_\_\_\_

8/29/2014



## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Woodmere Community Center

### WINDOW GLASS DETAILS: Lite A

Rectangular Dimensions: Long: 42 in; Short: 32.5 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

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

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .05 in  
Maximum Allowable Glass Deflection: L / 175

### 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 :

  
Dammon Engineering, Inc.

Date:

8/29/2014



## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Woodmere Community Center

### WINDOW GLASS DETAILS: Lite B

Rectangular Dimensions: Long: 42 in; Short: 41.8 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

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

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .18 in  
Maximum Allowable Glass Deflection: L / 175

### 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 : BAM  
Dammon Engineering, Inc.

Date: 8/29/2014



# ASTM E 1300 GLASS LOAD RESISTANCE REPORT

## JOB DETAILS:

Project Name: Woodmere Community Center

## WINDOW GLASS DETAILS: Lite C

Rectangular Dimensions: Long: 42 in; Short: 35.75 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

## SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .05 in  
Maximum Allowable Glass Deflection: L / 175

## 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 configuration are in accordance with ASTM E 1300-12a.

## 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 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 :

  
Dammon Engineering, Inc

Date:

8/29/2014



## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Woodmere Community Center

### WINDOW GLASS DETAILS: Lite D

Rectangular Dimensions: Long: 44.64 in; Short: 41.81 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

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

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .22 in  
Maximum Allowable Glass Deflection: L / 175

### 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 :

  
Dammon Engineering, Inc.

Date:

8/29/2014



## ASTM E 1300 GLASS LOAD RESISTANCE REPORT

### JOB DETAILS:

Project Name: Woodmere Community Center

### WINDOW GLASS DETAILS: Lite E

Rectangular Dimensions: Long: 20.69 in; Short: 20.26 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

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

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .001 in  
Maximum Allowable Glass Deflection: L / 175

### 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 :

  
Dammon Engineering, Inc

Date:

8/29/2014



# ASTM E 1300 GLASS LOAD RESISTANCE REPORT

## JOB DETAILS:

Project Name: Woodmere Community Center

## WINDOW GLASS DETAILS: Lite F

Rectangular Dimensions: Long: 20.88 in; Short: 14.88 in  
Window Construction: Double Glazed Insulating Glass Unit  
Window Orientation: Vertical

	Outboard Lite	Inboard Lite
Glass Type:	Heat Strengthened	Heat Strengthened
Construction:	Monolithic	Laminated Glass
Nominal Thickness:	.25 in	0.509 in
Laminate Construction:		.25/0.09/.25

## SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Design Load ( $\leq 3$  sec.): 1.91 kPa  
Load Deflection: .001 in  
Maximum Allowable Glass Deflection: L / 175

## 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 configuration are in accordance with ASTM E 1300-12a.

### 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 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 :

  
Dammon Engineering, Inc

Date:

8/29/2014



ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Woodmere Community Center

WINDOW GLASS DETAILS: Lite G

Rectangular Dimensions: Long: 31.0 in; Short: 20.26 in
Window Construction: Double Glazed Insulating Glass Unit
Window Orientation: Vertical

Table with 3 columns: Property, Outboard Lite, Inboard Lite. Rows include Glass Type, Construction, Nominal Thickness, and Laminate Construction.

SHORT DURATION LOAD, RESISTANCE AND DEFLECTION DATA:

Design Load (<=3 sec.): 1.91 kPa
Load Deflection: .004 in
Maximum Allowable Glass Deflection: L / 175

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 configuration are in accordance with ASTM E 1300-12a.

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 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]
Dammon Engineering, Inc.

Date: 8/29/2014

