

ALGIERS PEDIATRIC

FRAME SCHEDULE

OLDCASTLEFG-5100 : Storefront : StormMax : Center Set : 2-1/2 x 5 : 1-5/16 in. Impact Glass : Dry Glazed

DOOR SCHEDULE

OLDCASTLE BRAND MSD-37D MEDIUM (IMPACT) W/ HARDWARE SHOWN ON SCHEDULE

GLASS SCHEDULE

GL-1- 1/4" CLEAR TEMP.

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

GL-3- 1/4" CLEAR TEMP - 1/2" MILL AIRSPACE - 1/4" CLEAR TEMP(.090 PVB) 1/4" CLEAR TEMP

GL-4- 1/4" (TRANSLUCENT) TEMP- 1/2" MILL AIRSPACE - 1/4" CLEAR TEMP(.090 PVB) 1/4" CLEAR TEMP

VINYL OR SEALANTS SCHEDULE

FG-5946 - INTERIOR WEDGE FG5948

FG-5947 - EXTERIOR GASKET

SIKAFLEX TEXTURED SEALANT (BRONZE)

FINISHES

BRONZE ANNOIDIZED

FLASHING

STANDARD FLASHING MANUFACTURED BY OLDCASTLE.

HARDWARE SCHEDULE

ARCHITECT AND CONTRACTOR NOTE

THESE SHOP DRAWINGS SHOW OUR INTERPERATION OF THE PROJECT AND ARE SUBMITTED FOR APPROVAL. OUR RESPONSIBILITY SHALL BE LIMITED TO FURNISHING, FABRICATING AND INSTALLING THE MATERIALS IN ACCORDANCE WITH THESE APPROVED DETAILS.

ALL DIMENSIONS TO BE VERIFIED IN THE FIELD. UNLESS OTHERWISE SPECIFIED WE WILL FABRICATE AND INSTALL TO SHOWN DIMENSIONS.

MATERIALS WILL BE RELEASED ONLY UPON ACCEPTANCE OF SIGNED DRAWINGS BY THE ARCHITECT AND BY THE GENERAL CONTRACTOR OR WRITTEN REQUEST OF THE GENERAL CONTRACTOR.

IF HARDWARE IS TO BE FURNISHED BY OTHERS, TEMPLATES AND PHYSICAL HARDWARE MUST BE IN OUR POSSESSION OR IN THE POSSESSION OF OUR FABRICATOR PRIOR TO FABRICATION.

LEGENDS / ABBREVIATIONS

SHEET NO.1 COVER SHEET
 SHEET NO.2 ELEVATION A
 SHEET NO.3 ELEVATION B
 SHEET NO.4 ELEVATION C
 SHEET NO.5 ELEV DOOR 101
 SHEET NO.6 ELEV DOOR 102
 SHEET NO.7 WINDOW DETAILS
 SHEET NO.8 DOOR DETAILS
 SHEET NO.9 DOOR DETAILS
 SHEET NO.10GLASS PERFORMANCE
 SHEET NO.11 FRAMING SYSTEM
 SHEET NO.12 FRAMING SYSTEM CONTINUED
 SHEET NO.13 DOOR SYSTEM
 SHEET NO. 14 DOOR SYSTEM CONTINUED

patrick schwall - 10
 REVISED 4/29/2016
 REVISED
 REVISED
 PROJECT NO.

ARCHITECT
 VERGES ROME
 CONTRACTOR
 DEW ENTERPRISES

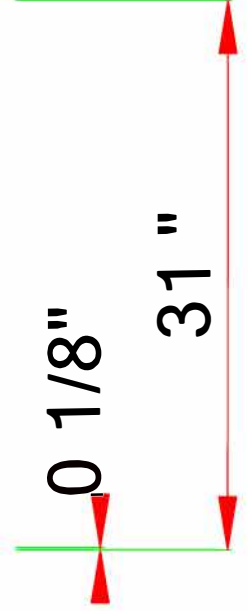
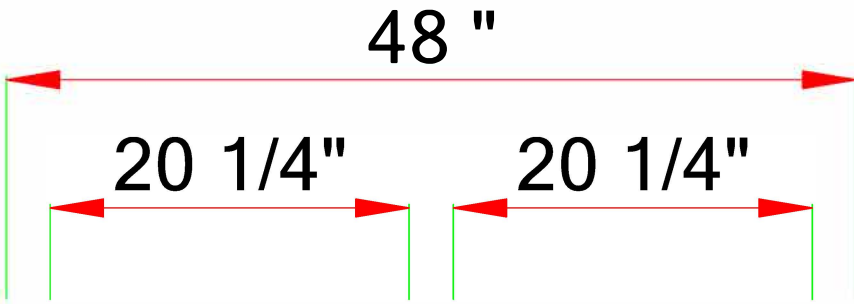
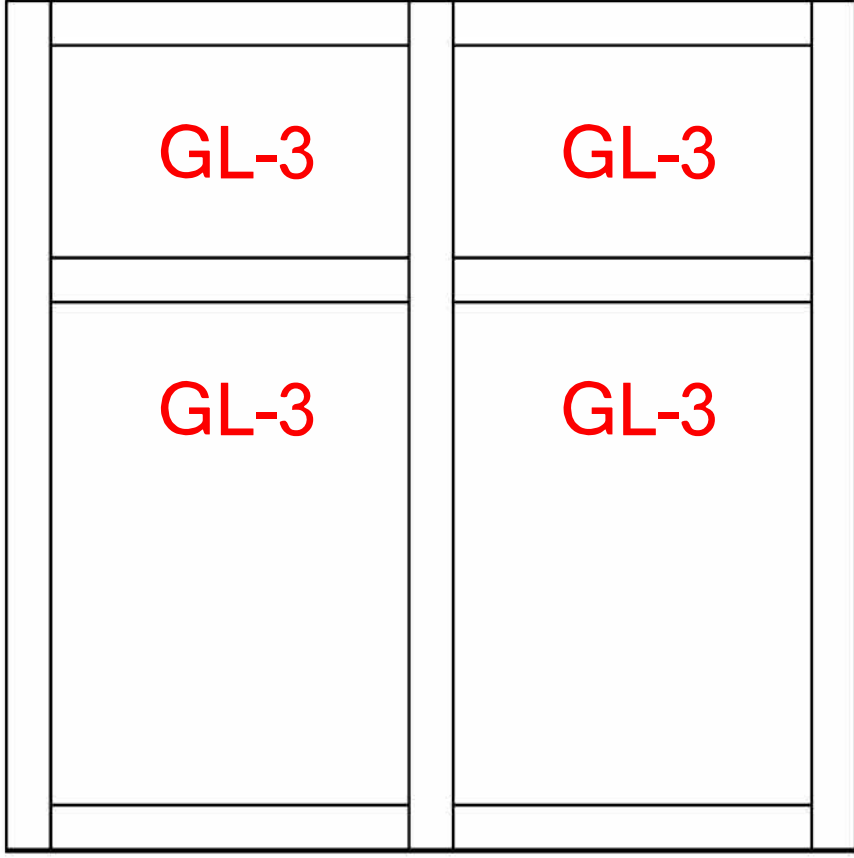
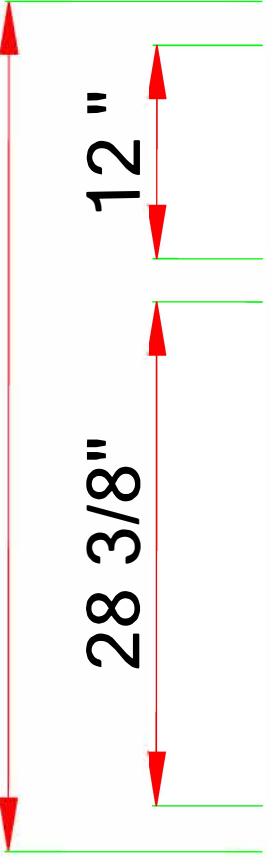
PROJECT
 ALGIERS
 PEDIATRIC

GLAZING CONTRACTOR
 STAR GLASS INC

SHEET
 NO.
 OF

DRAWINGS PREPARED BY STAR GLASS INC

48"

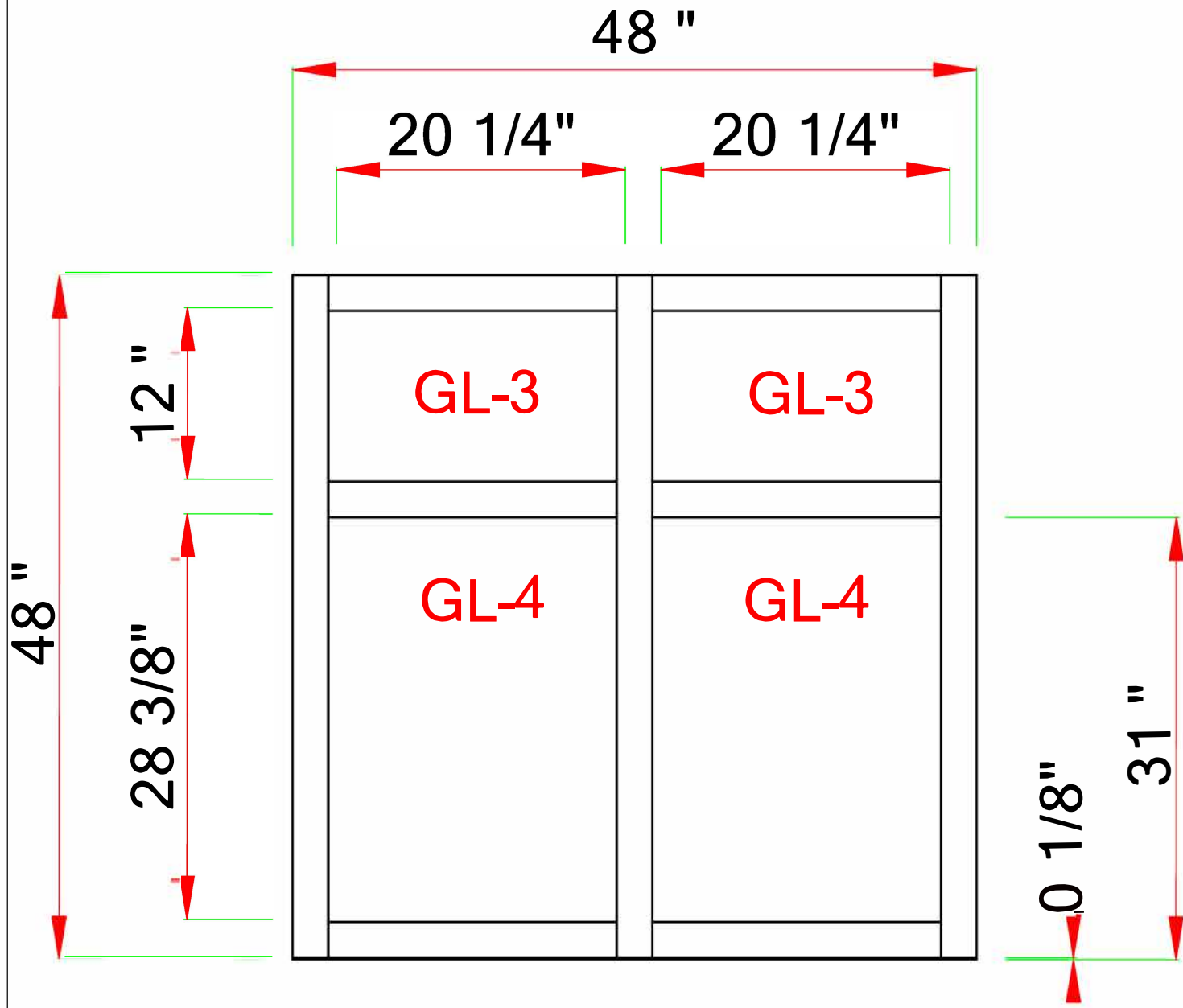


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ALGIERS PEDIATRIC - 001 - MARK A.dwg (5 Thus)

GLAZING CONTRACTOR STAR GLASS INC	PROJECT ALGIERS PEDIATRIC	ARCHITECT VERGES ROME	patrick schwall - 10 REVISED - 4/29/2016
SHEET NO.		CONTRACTOR DEW ENTERPRISES	REVISED
OF			REVISED
			PROJECT NO.



1 2

ALGIERS PEDIATRIC - 002 - MARK B.dwg (1 Thus)

GLAZING CONTRACTOR
STAR GLASS INC

PROJECT
ALGIERS PEDIATRIC

ARCHITECT
VERGES ROME

CONTRACTOR
DEW ENTERPRISES

patrick schwall - 10
REVISED 4/29/2016
REVISED
REVISED
PROJECT NO.

SHEET NO.
OF

48"

28 3/8"

12"

36"

14 1/4"

14 1/4"

GL-3

GL-3

GL-3

GL-3

0 1/8"

31"

1

2

ALGIERS PEDIATRIC - 003 - MARK C.dwg (1 Thus)

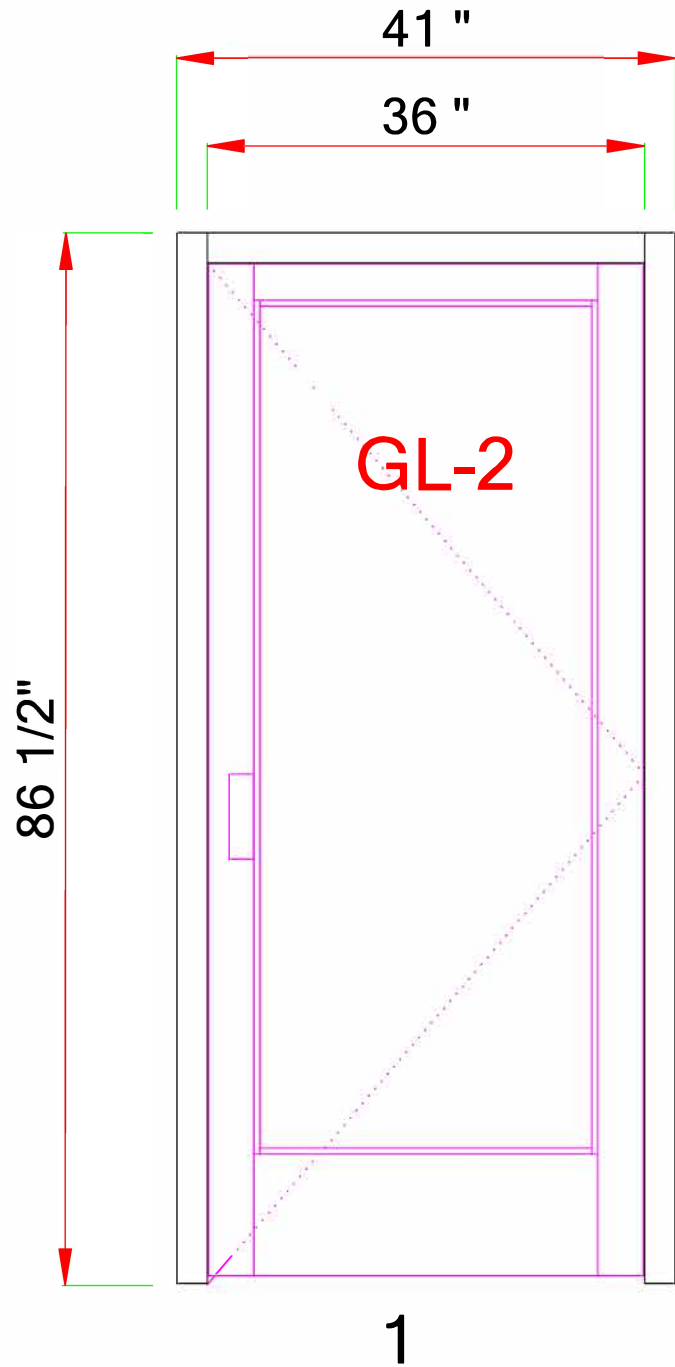
GLAZING CONTRACTOR
STAR GLASS INC

PROJECT
ALGIERS PEDIATRIC

ARCHITECT
VERGES ROME
CONTRACTOR
DEW ENTERPRISE

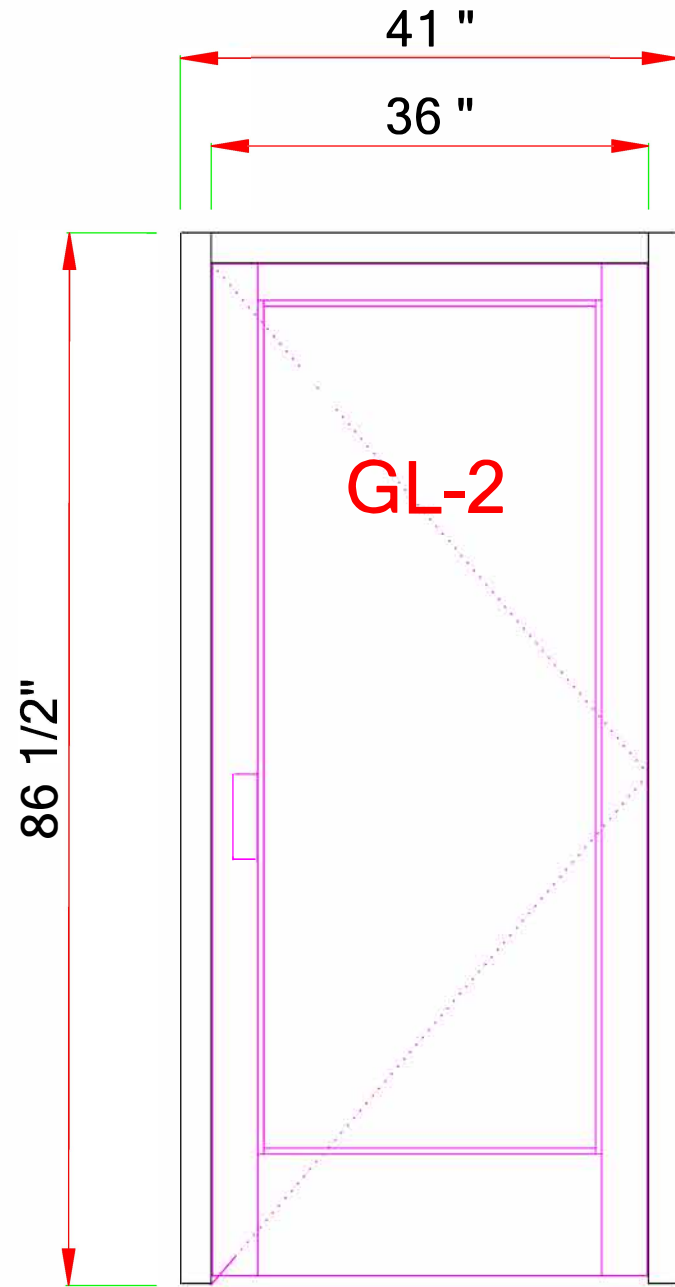
patrick schwall - 10
REVISED 4/29/2016
REVISED
REVISED
PROJECT NO.

SHEET NO.
OF



ALGIERS PEDIATRIC - 004 - ENTRANCE 101.dwg (1 Thus)

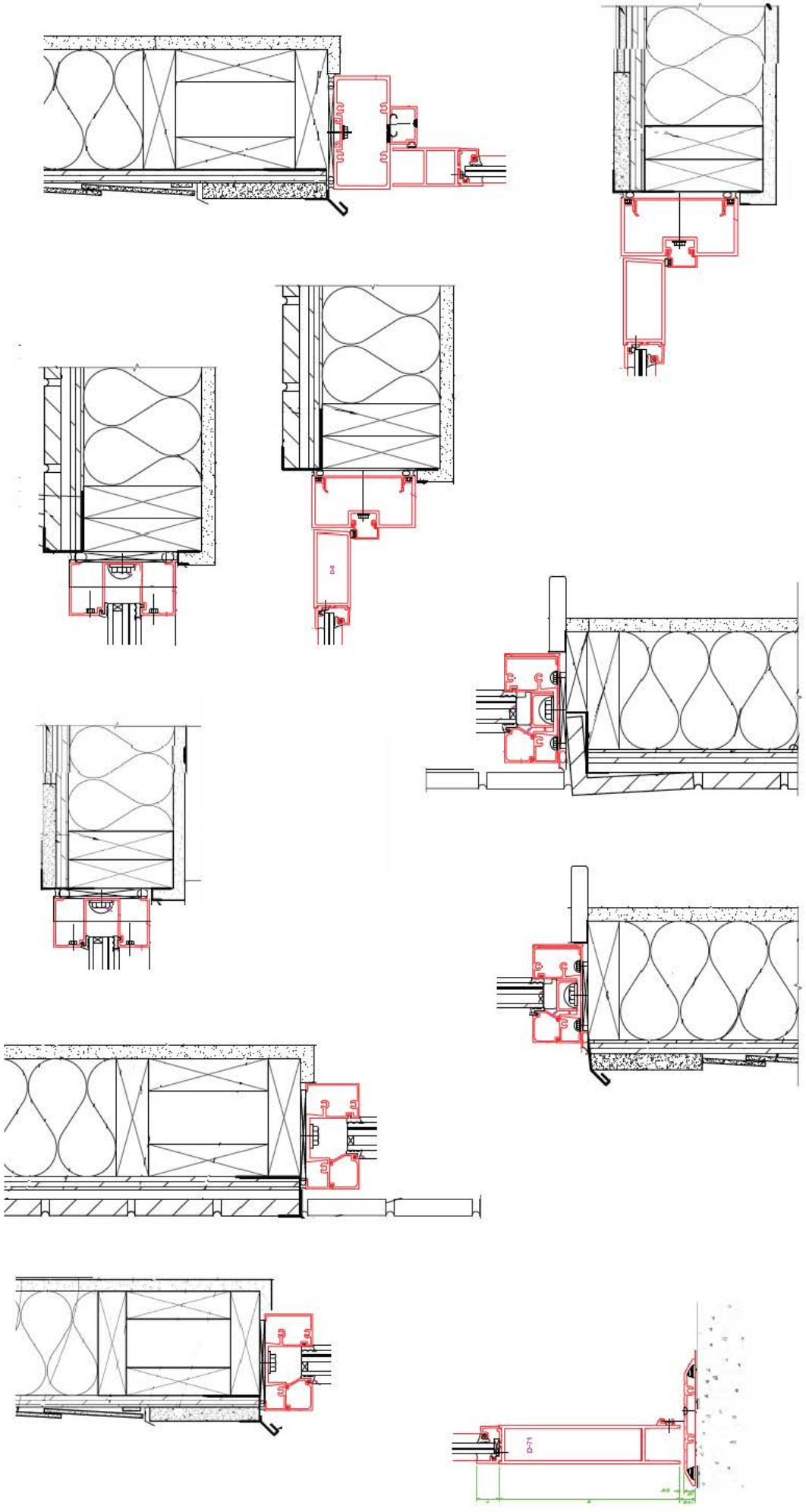
GLAZING CONTRACTOR STAR GLASS INC	PROJECT ALGIERS PEDIATRIC	ARCHITECT	patrick schwall - 10
		VERGES ROME	REVISED 4/29/2016
SHEET NO.	OF	CONTRACTOR	REVISED
		DEW ENTERPRISE	REVISED
		PROJECT NO.	



1

ALGIERS PEDIATRIC - 005 - ENTRANCE 102.dwg (1 Thus)

SHEET NO. OF	GLAZING CONTRACTOR STAR GLASS INC	PROJECT ALGIERS PEDIATRIC	ARCHITECT VERGES ROME CONTRACTOR DEW ENTERPRISES	patrick schwall - 10 REVISED 4/29/2016 REVISED REVISED PROJECT NO.
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Product Comparison Chart

Color	Product Description - Performance Characteristics	Thickness (inches)	Visible Trans. (%)	Visible Refl. Out (%)	Visible Refl. In (%)	UV Trans. (%)	Solar Trans. (%)	Solar Refl. Out (%)	Winter U-factor	Summer U-factor	Shading Coeff.	Solar Heat Gain Coeff.	Relative Heat Gain	Light to Solar Gain
GL-3	OB: 1/4" Clear AS: 1/2 inch (Air Fill) IB: 19/32" Laminate - 1/4" Clear - 0.090" Clear PVB - 1/4" Clear	1.286	77	15	14	<1	51	11	0.45	0.47	0.77	0.67	160	1.15
GL-2	19/32" Laminate - 1/4" Clear - 0.090" Clear PVB - 1/4" Clear	0.563	86	8	8	<1	64	6	0.92	0.84	0.84	0.73	181	1.18

NOTES:

GlasSelect® calculates center of glass performance data using the Lawrence Berkeley National Laboratory (LBNL) Window 6.3 program (version 6.3.74.0) with Environmental Conditions set at NFRC 100-2010. Gas Library ID#1 (Air) is used for Insulating Glass units with air. Gas Library ID#9 (10% Air/90% Argon) is used for Insulating Glass units with argon. Monolithic glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 44.0; 2. Vendor supplied spectral data files. Laminated glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 44.0; 2. LBNL Optics 6 (version 6.0 Maintenance Pack 1); 3. Vendor supplied spectral data files; 4. Vendor supplied data. 5. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness.

Glass colors represented herein are included only for the general purpose of glass selection. Accurate representation of optical properties, including color and reflectivity, can only be achieved by viewing glass mock-ups in conditions that are similar to the actual job. User assumes all responsibility and liability for glass color selection. Thermal values are in Imperial units.

NOTE*

THERE IS NO PERFORMANCE DATA ON TRANSLUCENT GLASS.

Clarification: NFRC Thermal Performance not available for system being provided. Oldcastle FG5100 is does not provide a thermal barrier. This is also true for the basis of design Kaneer 5011R

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ARCHITECT
VEREGES ROME
CONTRACTOR
DEW ENTERPRISES

PROJECT
ALGIERS
PEDIATRIC

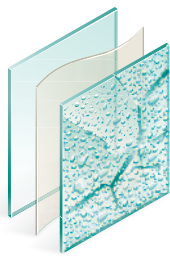
GLAZING CONTRACTOR
STAR GLASS INC

SHEET
NO.

OF

Series FG-5100 StormMax™ — impact-resistant storefront system

The FG-5100 system is an **impact-resistant** storefront system for **1-5/16" insulating laminated glass**. This system meets the most demanding requirements of the Florida and International Building Codes.



The system is unique in that it offers a dry-glaze option for large missile impact. StormMax™ products can also be glazed with our exclusive StormGlass™ hurricane-resistant glass for **maximum defense** against wind-borne debris.



Westlinks V Office Building, Ft. Myers, FL
Architect: McGarvey Development Company

Testing

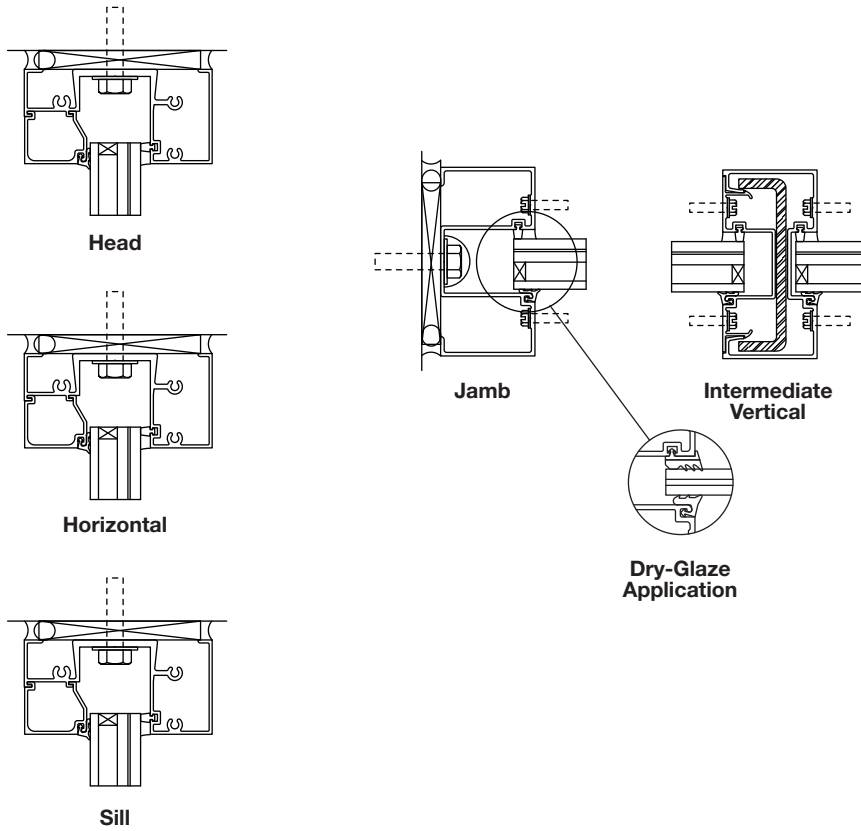
- Miami/Dade County
- Florida Building Code TAS-201, TAS-202, TAS-203
- ASTM E 1886, E 1996

Features

- Overall dimensions 2-1/2" x 5"
- Design Pressures up to +70 / -80 PSF
- Spans up to 10'-0" tall
- Vertical spacing up to 5'-0" C/L to C/L
- Screw spline assembly
- Dry-Glaze option (Large missile)
- Tested with the MSD-375 Impact-Resistant Entrance Door
- Corner Mullion option



Details (Wet-Glaze Application Shown)



Performance

Wet-Glaze Performance

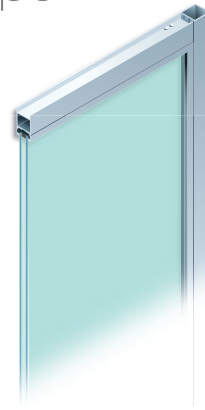
- Air Infiltration: Passed at 1.57 PSF and 6.24 PSF per TAS-202 and ASTM E 283
- Static Water: 15 PSF per TAS-202 and ASTM E 331
- Structural Load: +70 / -80 PSF per TAS-202 and ASTM E 330
- Large Missile and Cycling: +70 / -80 per TAS-201, TAS-203 and ASTM E 1886, E 1996

Dry-Glaze Performance

- Air Infiltration: Passed at 1.57 PSF and 6.24 PSF per TAS-202 and ASTM E 283
- Static Water: 10 PSF per TAS-202 and ASTM E 331
- Structural Load: +70 / -80 PSF per TAS-202 and ASTM E 330
- Large Missile and Cycling: +70 / -80 per TAS-201, TAS-203 and ASTM E 1886, E 1996

Series MSD-375 StormMax™ — impact-resistant medium stile entrance doors by Oldcastle BuildingEnvelope™

The Series MSD-375 is an **impact-resistant medium stile entrance door**. This entrance system meets the most demanding requirements of both Florida and International building codes. The series MSD-375 offers the largest variety of hardware options in the industry. The most prominent names in retail and Corporate America rely on **Oldcastle BuildingEnvelope™** to make an unforgettable first impression from standard, custom and impact-resistant storefronts.



Testing

- Miami/Dade County
- Florida Building Code TAS-201, TAS-202, TAS-203
- ASTM E 1886, E 1996



Myrtle Beach Convention Center, Myrtle Beach, SC
Architect: Cannon Design

Features

Standard

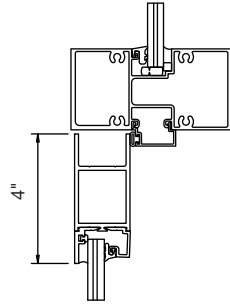
- 3-point lock mechanism
- 1-1/2" pair of stainless steel butt hinges
- MIG welded corner construction
- 1-3/4" deep rail and stile
- 4-3/4" vertical stile, 4" top rail, 9" bottom rail
- Available for use with the FG-5000/FG-5100 storefront systems and the HR-250/HR-251 curtain wall systems

Optional

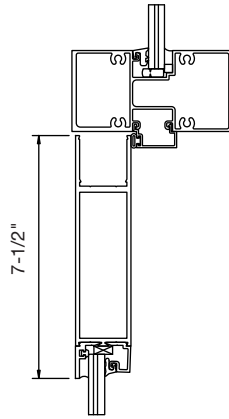
- Panic Devices: A variety of options available
- Continuous gear hinge
- 7-1/2" top rail
- 8-1/2" or 10" mid rail
- Concealed overhead closer



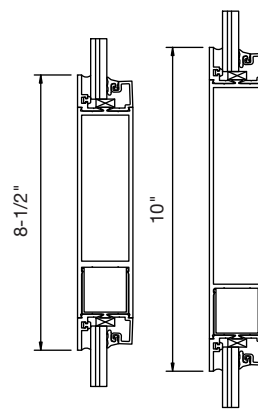
Details



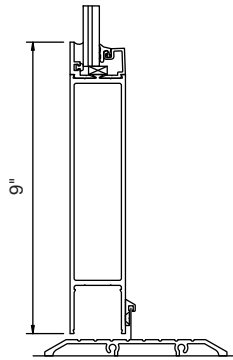
Standard Top Rail



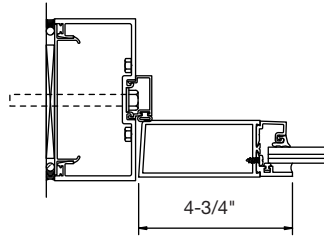
Optional Top Rail



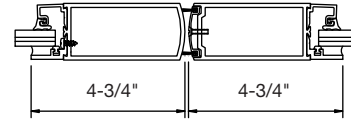
Optional Mid Rail



Standard Threshold



Standard Stiles



Performance

- Air Infiltration: Passed per TAS-202 and ASTM E 283

- Forced Entry Resistance Test: Passed at 300 lbs. Per SFBC 3603.2

- Structural Load: +70 / -80 PSF per TAS-202 and ASTM E 330

- Large Missile and Cycling: +70 / -80 per TAS-201, TAS-203 and ASTM E 1886, E 1996



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: 3626.5"
Window Construction: Laiminate
1/4" Glass / 0.090" Clear PVB / 1/4" Glass
Window Orientation: Sloped at 0° from Horizontal

Product 1/2" Laminate
Glass Type: Annealed
Construction: Monolithic
Nominal Thickness: Plate thicknesses -- 0.59"

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 9 of ASTM E1300 and local building codes.

Prepared by :



Date:

5/5/2016

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ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: **Entrance 101 - 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 : BA Date: 5/5/2016



ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name:

Mark C
Algiers Pediatric 003 - 28.75 x 14.25 (Inner & Outer Panes)

1-1/4"

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

1/2" Air Space

1/2" Laminated

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 :



Date:

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name:

Mark C - 12 x 14.25 (Inner & Outer Panes)

1-1/4"

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" "

1/2" Air Space

1/2" Laminated

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.

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 :


 BRIAN A. MISTICH
 License No. 30187
 PROFESSIONAL ENGINEER

Date:

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name: Mark B - 28.375 x 20.25

1-1/4"

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

1/2" Air Space

Window Orientation: Sloped at 0° from Horizontal

1/2" Laminated

Product 1/2 " Laminated - Tempered

Glass Type: Tempered

Construction: Monolithic

Nominal Thickness: Plate thicknesses -- 0.590"

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.

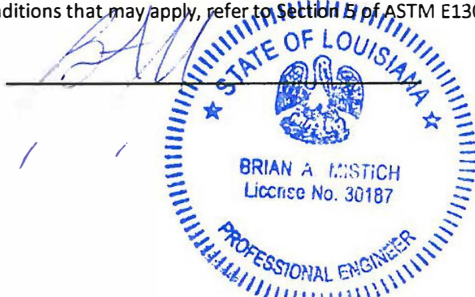
Disclaimer:

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 B of ASTM E1300 and local building codes.

Prepared by :



Date: 5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name:

Mark B- 20.25 x 12

1-1/4"

WINDOW GLASS DETAILS:

1/2"- Laminated Window

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 20.25" : Short: 12"

1/2" Air Space

Window Construction:

Laminated

3/4" Glass / 0.9. Clear PVB/ 1/4" Glass

Window Orientation:

Sloped at 0° from Horizontal

1/2" Laminated

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 :




Date:

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name:

Mark A - 28.375 x 20.25 (Inner & Outer Panes)

1-1/4"

WINDOW GLASS DETAILS:

1-" Insulated Window

1/2" Air Space

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 28.375" : Short: 20.25"

Window Construction:

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

Window Orientation:

Sloped at 0° from Horizontal

1/2" Laminated

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): : < 0.012 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:

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 :

BAM



Date:

5/5/2016

ASTM E 1300 GLASS LOAD RESISTANCE REPORT

JOB DETAILS:

Project Name:

Mark A- 20.25 x 12(Outer & Inner Panes)

1-1/4"

WINDOW GLASS DETAILS:

1-" Insulated Window

Lite Designation

QTY 2 Window

Rectangular Dimensions:

Long: 20.25" : Short: 12"

Window Construction:

Insulated
3/4" Glass / 1/2" Gas / 1/4"

Window Orientation:

Sloped at 0° from Horizontal

1/2" Air Space

1/2" Laminated

Outer Lite

Product

3/4" Tempered

Glass Type:

Tempered

Construction:

Monolithic

Nominal Thickness:

Plate thicknesses -- 1/4"

InnerLite

Glass Type:

3/4" 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