



TEST REPORT

Report No.: E1391.07-550-44

Rendered to:

GLOBAL PRODUCTS INTERNATIONAL GROUP, LLC Atlanta, Georgia

PRODUCT TYPE: PVC Slider **SERIES/MODEL**: OX-Doors

Title	Summary of Results
	Class R-PG50
AAMA/WDMA/CSA 101/I.S.2/A440-08 and -11	1829mm x 2032mm
	(72 x 80in) - SD
Design Pressure	±2400 Pa (±50.13 psf)
Air Infiltration	0.4 L/s/m ² (0.07 cfm/ft ²)
Water Penetration Resistance Test Pressure	360 Pa (7.52 psf)
Uniform Load Structural Test Pressure	±3600 Pa (±75.19 psf)

Test Dates: 10/08/14 **Through**: 1/12/15 **Report Date**: 05/15/15

Reference must be made to Report No. E1391.07-550-44, dated 05/15/15 for complete test specimen description and detailed test results.





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1.0 Report Issued To: Global Products International Group, LLC

2765 Bankers Industrial Drive, Building F

Atlanta, Georgia 30360

2.0 Test Laboratory: Architectural Testing, Inc.

an Intertek Company ("Intertek-ATI")

1701 Westfork Drive, Suite 106 Lithia Springs, Georgia 30122

770-941-6916

3.0 Project Summary:

3.1 Product Type: PVC Slider

3.2 Series/Model: OX

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s). The specimens tested successfully met the performance requirements for the following ratings:

Test Specimen(s)	Title	Summary of Results
1	101/I.S.2/A440-08 and-11	Class R-PG50 1829mm x 2032mm (72 x 80in) - SD

- **3.4 Test Dates**: 10/08/2014 1/12/2015
- **3.5 Test Record Retention End Date**: All test records for this report will be retained until January 12, 2019.
- **3.6 Test Location**: Intertek-ATI test facility in Lithia Springs, Georgia.
- **3.7 Test Sample Source**: The test specimen was provided by the client. Representative samples of the test specimen(s) will be retained by Intertek-ATI for a minimum of four years from the test completion date.
- **3.8 Drawing Reference**: The test specimen drawings have been reviewed by Intertek-ATI and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek-ATI per the drawings located in Appendix D. Any deviations are documented herein or on the drawings.





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3.0 Project Summary: (Continued)

Name

3.1 List of Official Observers:

Terry Wiley	Global Products International
Ryan Chapman	Global Products International

Company

Joel Ivey Intertek-ATI
Jon Gardner Intertek-ATI
Ian McKenzie Intertek-ATI
Jacques Johnson Intertek-ATI

4.0 Test Method(s):

AAMA/WDMA/CSA 101/I.S.2/A440-11, NAFS 2011 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights

5.0 Test Specimen Description:

5.1 Product Sizes:

Overall Area:	Width		Height	
2.8 m ² (30.0 ft ²)	millimeters	inches	millimeters	inches
Overall size	1816	71-1/2	2019	79-1/2
Operable panel size	907	35-37/64	1934	76-1/8
Stationary panel size	907	35-37/64	1934	76-1/8





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5.0 Test Specimen Description: (Continued)

5.2 Frame Construction:

Frame Member	Material	Description
Head/sill/jamb (GPI 100)	PVC	Extruded
Threshold (GPI 114)	Aluminum	Extruded

	Joinery Type	Detail
All corners	Milled and butted	All corners are sealed with silicone. The jambs received holes punched at the ends. The jambs are then milled off at the end and butted with the frame.

5.3 Vent Construction:

Vent Member	Material	Description
Stiles (GPI #101)	PVC	Extruded
Top rail (GPI #101)	PVC	Extruded
Bottom rail (GPI #101)	PVC	Extruded

	Joinery Type	Detail	
All corners	Fastened	Silicone is placed between the joint faces. To corners are fastened.	The

5.4 Weatherstripping:

Description	Quantity	Location
Pile Weathering (GPI 118)	3 rows	One strip along the outer frame sash pocket. One strip on the fixed panel sill. One strip along track support front edge.





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5.0 Test Specimen Description: (Continued)

5.5 Glazing:

Glass Type	Spacer Type	Interior Lite	Exterior Lite	Glazing Method
1" IG	Air Space 3/4"	1/8"	1/8"	Glazing tape (13mm x 2mm PE foam) by Ningbo San Ye Tape Co. LTD with acrylic acid glue.

Logation	Quantity	Dayligh	t Opening	Glass Bite	
Location	Quantity	millimeters inches		Glass Bite	
Door Leaf	2	664 x 1694	26.145 x 66.71	3/16"	

5.6 Drainage:

Drainage Method	Size	Quantity	Location
Weepholes	1/8"	4	Two in front of each vent. One is located on the sill 10" from each edge and another 4" from the center of the unit.

5.7 Hardware:

Description	Quantity	Location
Single mortise lock (Part #250-148)	1	On Active Sliding Leaf
Handle (Part #250-123)	1	On Active Sliding Leaf
Tandem Roller (Part #250-102)	1	On Active Sliding Leaf

5.8 Reinforcement:

Drawing Number	Location	Material
250-100-6 (GPI 111)	Sash	Fiberglass





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6.0 Installation:

The specimen was installed into a 2x8 Spruce-Pine-Fir wood buck. The rough opening allowed for a 1/4" shim space. The exterior perimeter of the door was sealed with sealant.

Location	Anchor Description	Anchor Location
Head, sill & jambs	#8 x 1-1/2" Tapcon screws	5" on center and 2-1/2" from ends through exterior nailing fin

6.0 Test Results: The temperature during testing was 21°C (70°F). The results are tabulated as follows:

Title of Test	Results	Allowed	Note
Air Leakage,			
Infiltration per ASTM E 283	0.4 L/s/m^2	1.5 L/s/m ²	
at 75 Pa (1.57 psf)	(0.07 cfm/ft^2)	(0.30 cfm/ft ²) max.	1
Water Penetration,			
per ASTM E 547			
at 360 Pa (7.52 psf)	Pass	No leakage	2
Uniform Load Deflection,			
per ASTM E 330			
At vertical of sliding doors			
+2400 Pa (+50.13 psf)	35.6 mm (1.4")		
-2400 Pa (-50.13 psf)	33.0 mm (1.3")	Report Only	4, 5, 6
Uniform Load Deflection,			
per ASTM E 330			
taken along bottom of active door			
+2400 Pa (+50.13 psf)	2.5 mm (0.1")		
-2400 Pa (-50.13 psf)	2.5 mm (0.1")	Report Only	4, 5, 6
Uniform Load Structural,			
per ASTM E 330			
At vertical of sliding doors			
+3600 Pa (+75.19 psf)	2.8 mm (0.11")		
-3600 Pa (-75.19 psf)	0.5 mm (0.02")	7.3 mm (0.288") max	5, 6
Uniform Load Structural,			
per ASTM E 330			
taken along bottom of active door			
+3600 Pa (+75.19 psf)	0.8 mm (0.03")		
-3600 Pa (-75.19 psf)	0.3 mm (0.01")	3.7 mm (0.144") max	5, 6
Forced Entry Resistance,			
per ASTM F 832,			
Type: N/A - Grade: 10	Pass	No entry	





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7.0 Test Results: (Continued)

Note 1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.

Note 2: With and without insect screen.

Note 3: The client opted to start at a pressure higher than the minimum required. Test results are reported under Optional Performance.

Note 4: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

Note 5: Loads were held for 10 seconds.

Note 6: Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.





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Intertek-ATI will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Intertek-ATI for the entire test record retention period.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Intertek-ATI.

For INTERTEK-ATI:

Districts Secret on Jacobse Johnson

Jacques R. Johnson Project Technician Digitally Bigmott by: Ian J. McKenusia

Ian J. McKenzie

Ian J. McKenzie Lab Manager – Regional Operations

JRJ:IJM/jab

Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Alteration Addendum (1) Appendix-B: Location of Air Seal (1) Appendix-C: Photographs (1) Appendix-D: Drawings (30)



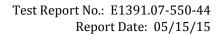


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Appendix A

Alteration Addendum

Note: No alterations were required.

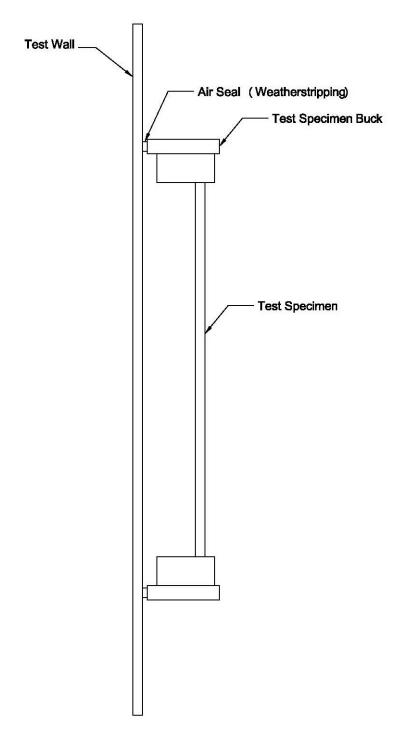


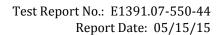




Appendix B

Location of Air Seal: The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and creating a seal.









Appendix C

Photographs



Photo No. 1 Front View



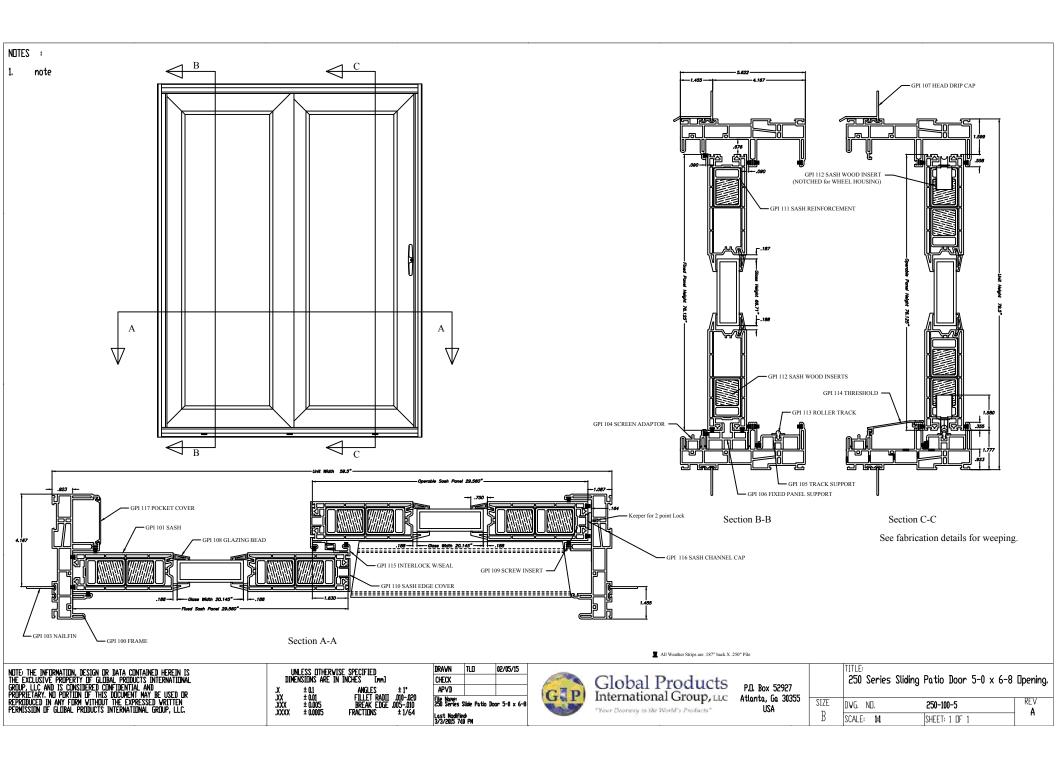


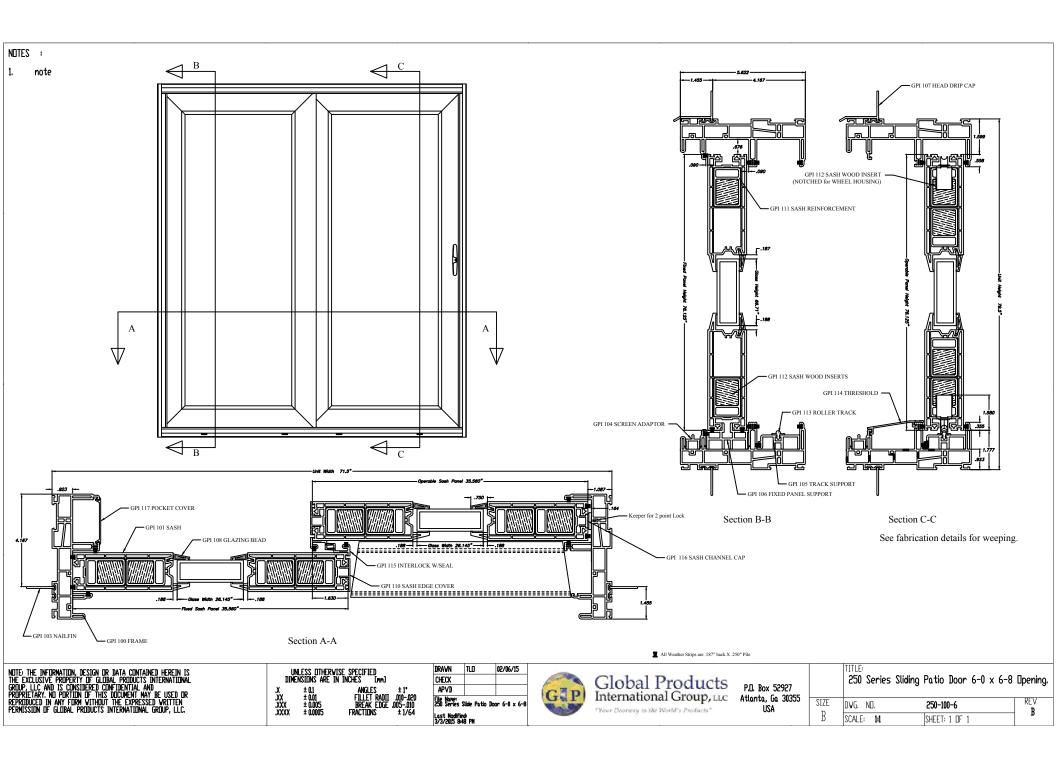
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Appendix D

Drawings





NOTES : note T T L R0.2850 Extra Holes so panel can be flipped.

Layout for 1 pt Lock and Keeper.

Formulas for all parts to be found on Excel Sheet (250-Formulas)

NOTE: THE INFORMATION, DESIGN OR DATA CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF GLOBAL PRODUCTS INTERNATIONAL GROUP, LLC AND IS CONSIDERED CONFIDENTIAL AND PROPELETARY, NO PROTION OF THIS DOCUMENT MAY BE USED OR REPRODUCED IN ANY FORM VITHOUT THE EXPRESSED VRITTEN PERMISSION OF GLOBAL PRODUCTS INTERNATIONAL GROUP, LLC.

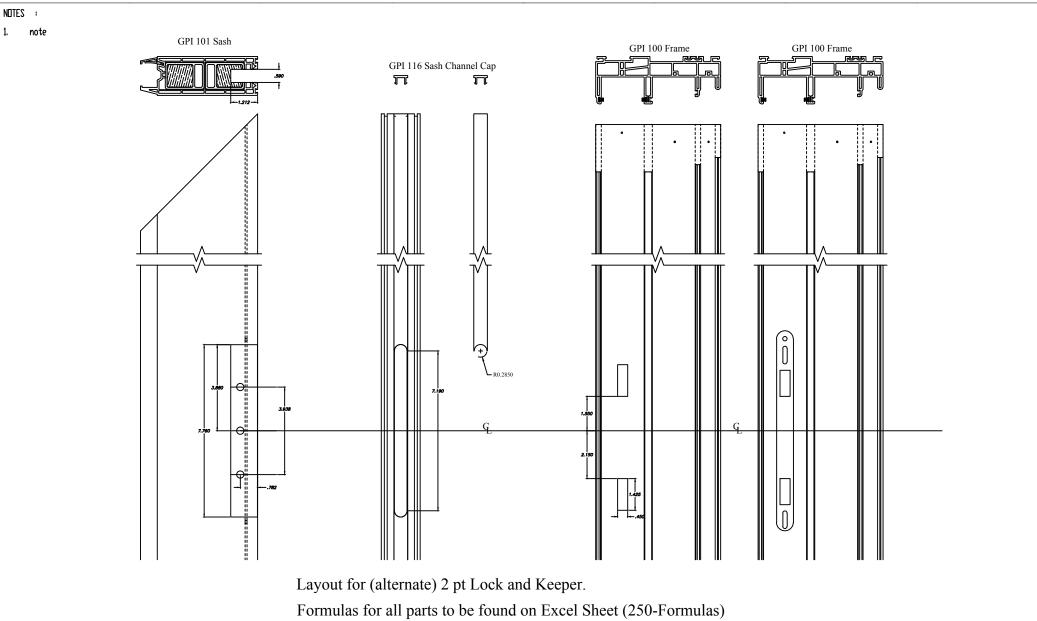


	Dravn	TLO	02/05/15
	CHECK		
	APVD		
	File Name: 250 Series S	lide Patio Doc	or 5-0 x 6-8
Last Modified 2/4/2015 7:10 PM			



P.D. Box 52927 Atlanta, GA 30355 USA	
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	TITLE: 250 Series	Fabs for the 1 pt Locking System.	_
	DWG. ND.	250-Fabs-1 pt Locks REV	
В	SCALE: 1:1	SHEET: 1 DF 1	

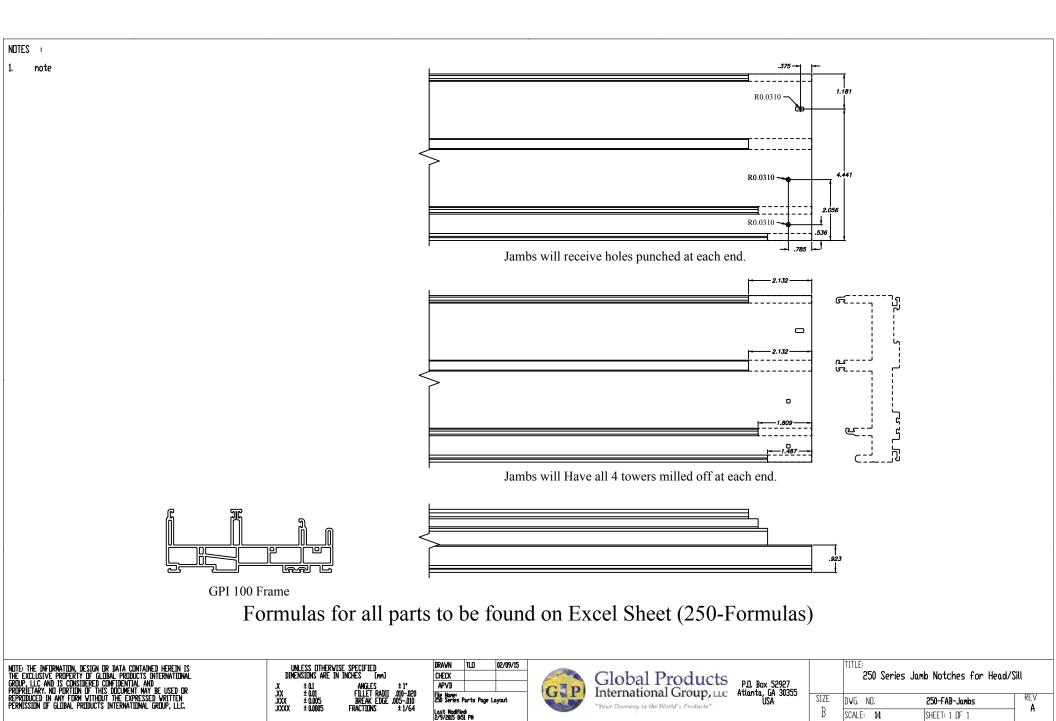


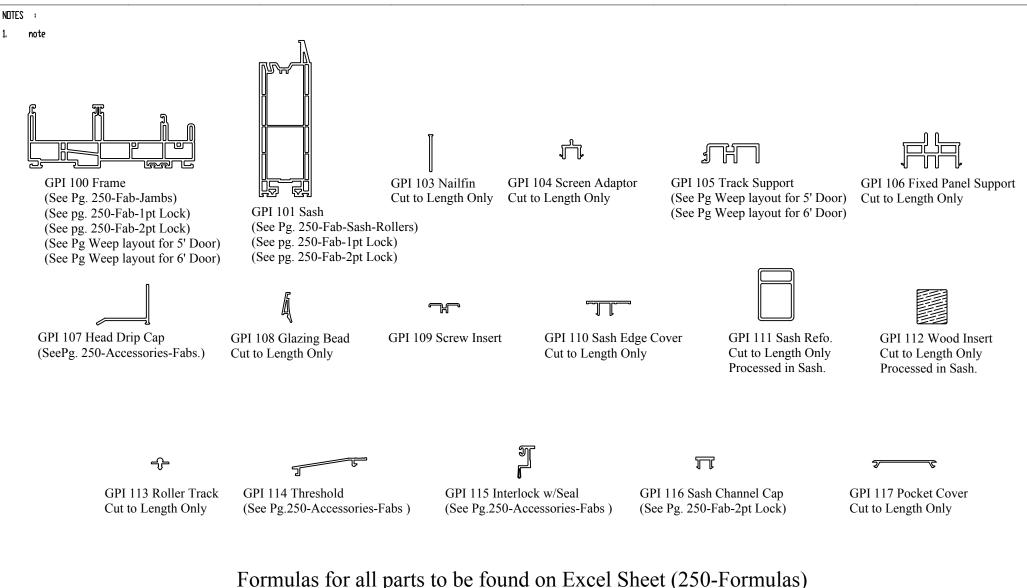
UNLESS (ITHERWISE SPECIFIED Dimensions are in inches [mm]					
X XX XXX XXXX	± 0.1 ± 0.01 ± 0.005 ± 0.0005	ANGLES ± 1° FILLET RADII .010020 BREAK EDGE .005010 FRACTIONS ± 1/64			

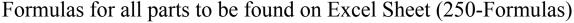
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	APVD		
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Last Modified 2/4/2015 7:00 PM			



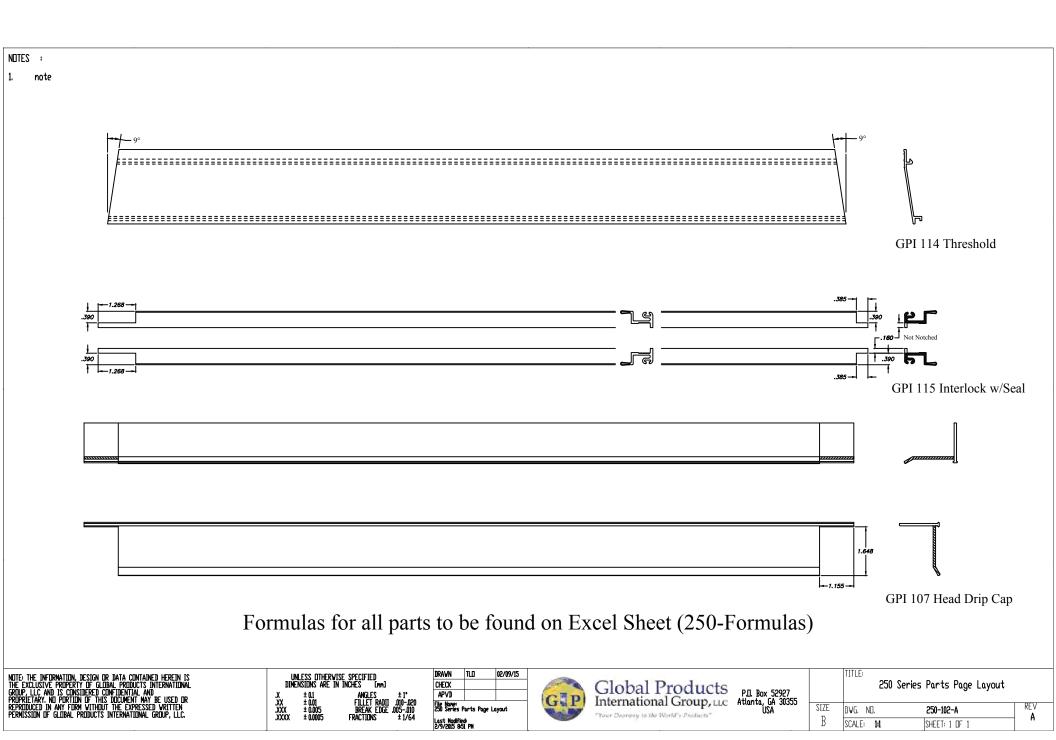
	TITLE: 250 Series Fabs f	or the 2pt Locking Sy	/stem.
SIZE	DWG. ND.	250-Fabs-2 pt Locks	REV A
В	SCALE: 11	SHEET: 1 DF 1	п

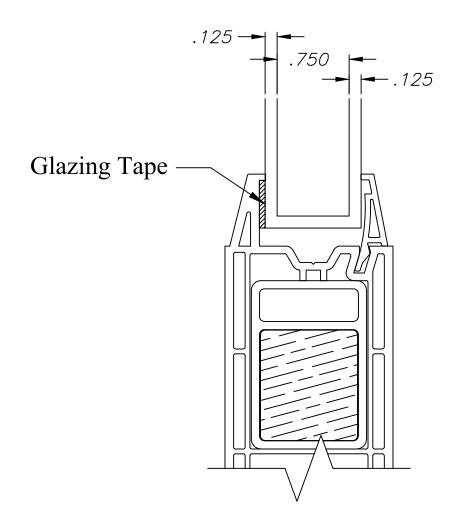












Glass makeup:

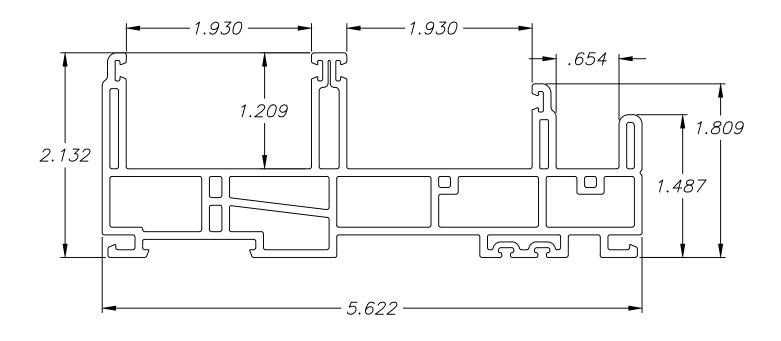
1/8 Tempered / 3/4 Air / 1/8 Tempered



I I I I L L	: ZJl	J Series	7/I/G6	Pat	710 I	Joor
	Gla	zing Cro	oss Se	ectio	on	
DWG.	МΠ	250-11	9-5/6		DE	

DWG. N	I □ .	250-119-5/6	REV
SCALE:	NTS	SHEET: 1 OF 1	A

GPI 100 Frame

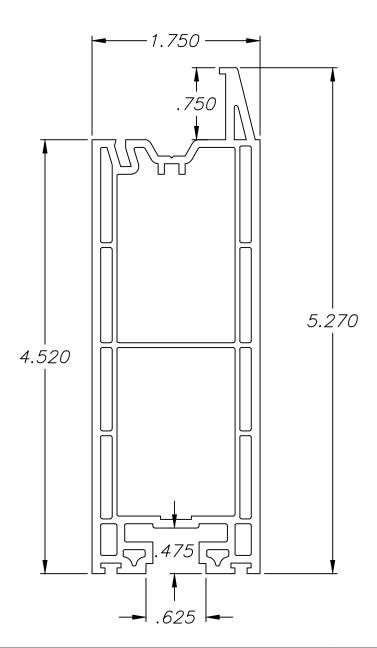




TITLE	250	Series	Slide	Patio	Door
	GPI	100 Fro	ıme ~'	Vinyl	

DWG. NO.	250-102-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

GPI 101 Sash





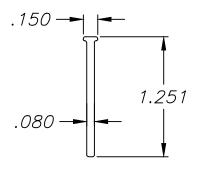
Global Products
International Group, LLC

"Your Doorway to the World's Products"

P.D. Box 52927 Atlanta, Ga 30355 USA TITLE: 250 Series Slide Patio Door GPI 101 Sash ~Vinyl

DWG. ND.	250-103-5/6	REV
SCALE: NTS	SHEET: 1 OF 1	А

GPI 103 Nailfin

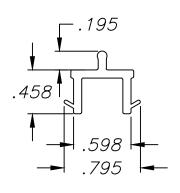




TITLE:	250	Ser	`ies	Slide	Patio	Door
	GPI	103	Nail	Fin	~Vinyl	

DWG. NO.		250-104-5/6	REV
SCALE: I	STN	SHEET: 1 OF 1	Α

GPI 104 Screen Adaptor



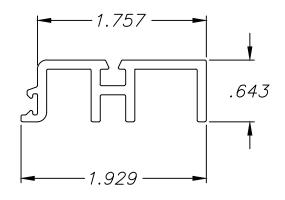


"Your Doorway to the World's Products"

TITLE:	250	Series	Slide	Patio	Door
GPI	104	Screen	Adap	tor ~\	Vinyl

DWG. NO.	250-105-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

GPI 105 Track Support

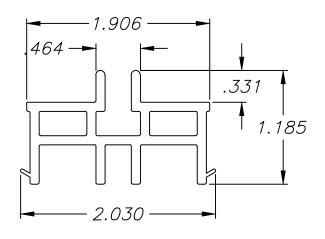




	250	Series	Slide	Patic	Door Door
GPI	105	Track	Supp	ort ^	~Vinyl

DWG, ND,	250-106-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	A

GPI 106 Fixed Panel Support

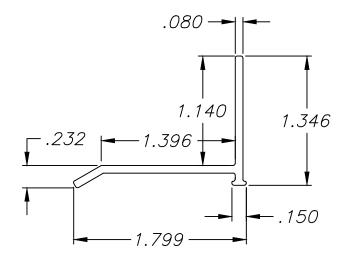




TITLE	2	250	Ser	`ies	Sli	de	Pati	0	Door
GPI	106	Fix	æd	Pan	el	Su	opor	ţ	~Vinyl

DWG. N		250-107-5/6	REV
SCALE:	STN	SHEET: 1 OF 1	Α

GPI 107 Head Drip Cap

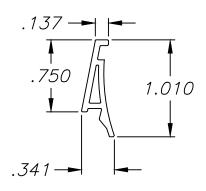




TITLE:	250	Serie	s Slio	le Po	tio	Door
GPI	107	Head	Drip	Cap	~Vi	nyl

DWG. ND.	250-108-5/6	REV
SCALE: NTS	SHEET: 1 OF 1	А

GPI 108 Glazing Bead

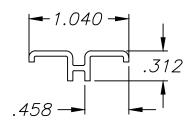




TITLE:	250	Series	5 Slid	e Po	atio	Door
GP	I 10	8 Glazi	ng Be	≥ad	~Vir	ıyl

DWG. ND.	250-109-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	Α

GPI 109 Screw Insert

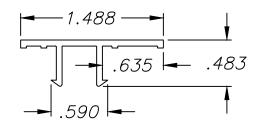




IIILE:	250	Series	s Stide	Pati	o Door
GPI	109	Screw	Insert	t ~Vi	nyl

DWG, NO,	250-110-5/6	REV
SCALE: NTS	SHEET: 1 OF 1	Α

GPI 110 Sash Edge Cover



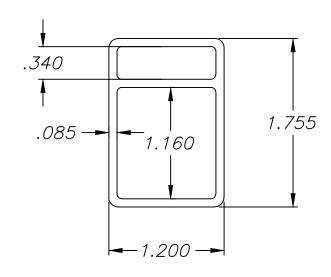


"Your Doorway to the World's Products"

TITLE	250) Seri	es Sl	ide	Pati	o Door
GPI	110	Sash	Edge	Со	ver	~Vinyl

DWG. NO.	250-111-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

GPI 111 Sash Refo.

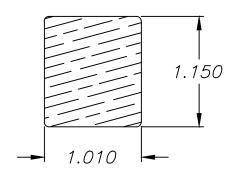




TITLE	250	Ser	`ies	Slide	Patio	Door
	GPI	111	Sas	h Ref	°o. ~V	inyl

DWG. NO.	250-112-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

GPI 112 Wood Insert

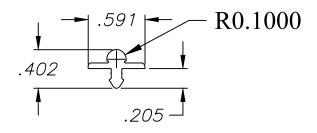




TITLE:	250	Series	Slide	Patio	Door
GPI	112	Wood	Inser	t ~Woo	bc

DWG. ND.	250-113-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	Α

GPI 113 Roller Track

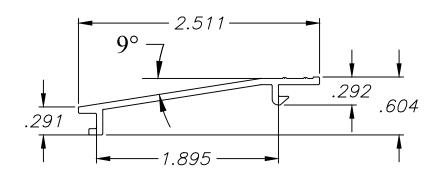




TITLE	250	Series	Slide F	atio	Door
GP.	I 113	Roller	Track	~Alu	minum

DWG. NO.	250-114-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

GPI 114 Threshold

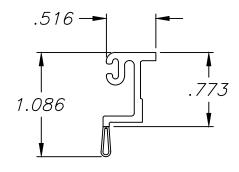




TITLE:	250	Series	Slide	Patio	Door
GPI	114	Thresh	nold ~	Aluminu	ΜL

DWG. ND.	250-115-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	Α

GPI 115 Interlock w/Seal

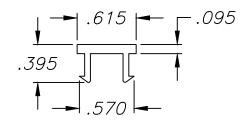




TITLE:	250	Series	Slide	Patio) Door
GPI	115	Interloc	:k w/	Seal	~Vinyl

DWG. ND.	250-116-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	Α

GPI 116 Sash Channel Cap



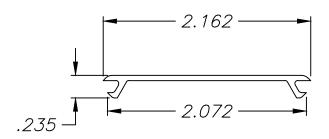


"Your Doorway to the World's Products"

TITLE:	250) Seri	62	Slide	Pati	o Door
GPI	116	Sash	Ch	annel	Cap	~Vinyl

DWG, NO.		250-117-5/6	REV
SCALE: N	STN	SHEET: 1 OF 1	Α

GPI 117 Pocket Cover





TITLE:	250	Series	Slide	Patio	Door
GPI	117	Pocket	Cove	er ~Vii	∩yl

DWG. ND.	250-118-5/6	REV
SCALE: NTS	SHEET: 1 DF 1	А

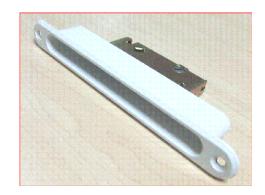
250-123 Patio Door Finger Pull Handle (White)



Interior

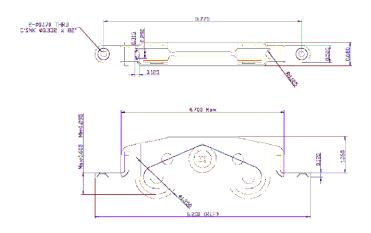


Exterior

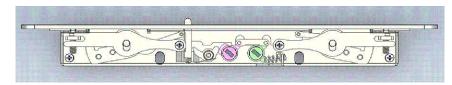




250-148 Single Point Lock & Keeper



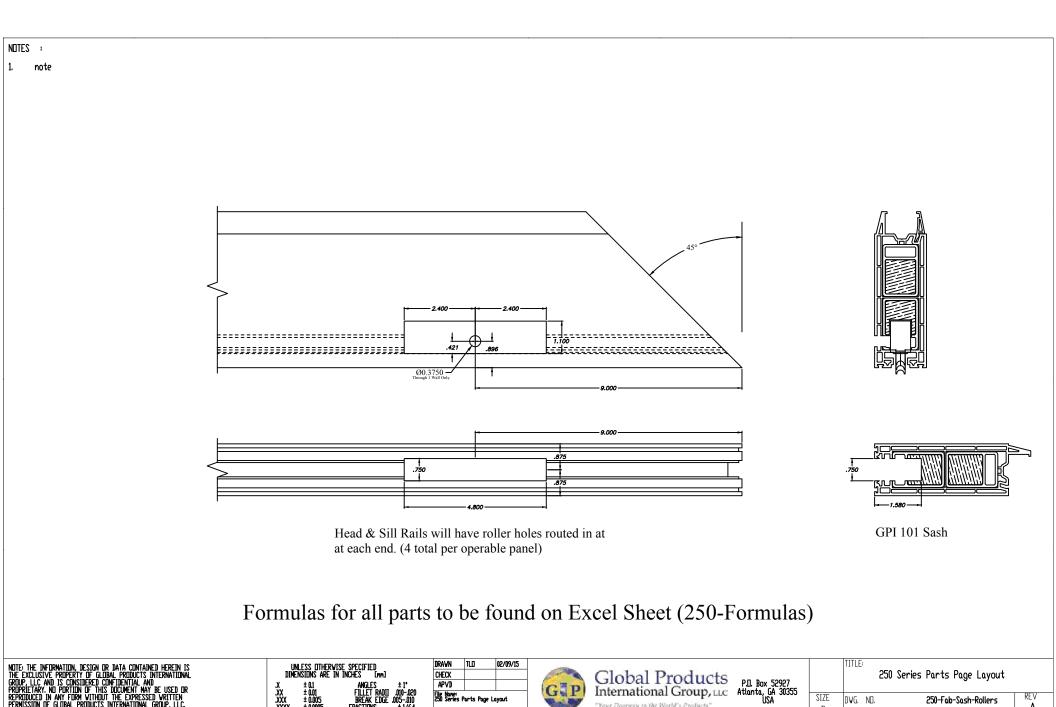
250-102 Tandem Roller



250-122 Duel Mortise Lock (Alternate)



TITLE	250	Series	Slide	Pα	tio	Door
			dware			
DWG.	ND.	250-12	0-5/6		F	REV
SCALE:	NTS	SHEET:	1 DF 1			A



Last Modified 2/9/2015 851 PM

"Your Doorway to the World's Products"

SCALE: 1:1

SHEET: 1 DF 1

