

Evaluation Report L9400

October 10, 2023

Product Description: SGD-9400 Sliding Glass Door, Large Missile Impact

Manufacturer: Lawson Industries, Inc., 8501 N.W. 90th St., Medley, FL 33166

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

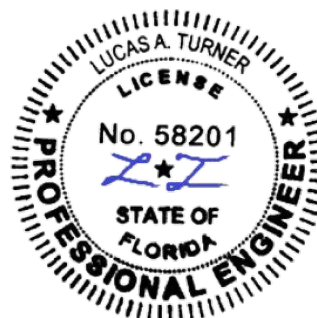
- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Installation drawing L9400, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports as indicated on page 2 of this document and MED-1183, by QAI (formerly Fenestration Testing Laboratories), Medley, FL, signed and sealed by Idalmis Ortega, P.E., and HETI-23-8055 by Hurricane Engineering & Testing, Inc., Doral, FL, signed and sealed by Ram Tewari, with testing performed with equivalency to: TAS 201/202/203-94, AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E 1886-13a/19, and ASTM E 1996-14a/17/20
- 4) Supplemental Calculations to support L9400, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to installation drawing L9400.

Limitations of Use: This product:

- May be used in the configurations and product sizes with glazing as indicated in L9400.
- Is large missile impact rated and does not require the use of impact protective devices in windborne debris regions
- May be used in the High Velocity Hurricane Zone
- Requires 6063-T6 frame extrusions as indicated in L9400
- Requires Kuraray SentryGlas Interlayer, Kuraray Trosifol PVB, Eastman Saflex PVB interlayers per current Miami-Dade NOA (see L9400 for configurations requiring PVB or SGP). I have evaluated these interlayer materials and find that they comply with the requirements of the 8th Ed. (2023) Florida Building Code for use in this product.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Lawson Industries or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



Lucas Turner
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10/10/2023
Lucas A. Turner, P.E.
FL PE #58201

AS-TESTED MIAMI-DADE BCCO APPROVED 9400 SGD TEST PROGRAM SUMMARY

MOCKUP #	FTL Lab #	TESTS		FRAME		PANEL		REIN.. FORCING	ASTRAGAL TYPE	GLASS SIZE		GLASS TYPE							
		PA TEST TYPES	PSF	TYPE	SIZE	SIZE	CONFIG.			WIDTH	HEIGHT	PANEL 1		PANEL 2		PANEL 3		PANEL 4	
1	8693	201- FULL 202 -203 No Sill Riser 2-5/8" Sill Riser 3-7/16" Sill Riser 3-5/8" Sill Riser	75 + 5 / 33.3 + 9 / 80 + 12.5 / 83.3 + 13.5 / 90	2T	204 X 96"	4 X 8"	XXXXp Exterior	YES	BOX	43-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	NYLON ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	KURARAY-TROSIFOL PVB	NYLON ROLLERS
1 - SGP	9873	201- 202 Loads -203	90	2T	204 X 96"	4 X 8"	XXXXp Exterior	YES	BOX	43-7/16"	88-9/16"	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS
2	9139	201- FULL 202 -203 No Sill Riser 2-5/8" Sill Riser 3-7/16" Sill Riser	90 + 5 / 33.3 + 9 / 80 + 13 / 90	2T	192 X 96"	4 X 8"	OXXX	YES	BOX	43-7/16"	88-9/16"	KURARAY SGP	FIXED	KURARAY SGP	NYLON ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS
3	8695	201- FULL 202 -203 No Sill Riser 2-5/8" Sill Riser 3-5/8" Sill Riser	75 + 5 / 33.3 + 9 / 80 + 13.5 / 90	2T	204 X 96"	4 X 8"	XXXXp Exterior	YES	BOX	43-7/16"	88-9/16"	INSULATED-EASTMAN SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	NYLON ROLLERS	INSULATED-KURARAY TROFISOL PVB	STEEL ROLLERS	INSULATED-KURARAY TROFISOL PVB	NYLON ROLLERS
3 - SGP	9869	201- 202 Loads -203	90	2T	204 X 96"	4 X 8"	XXXXp Exterior	YES	BOX	43-7/16"	88-9/16"	INSULATED-KURARAY SGP	STEEL ROLLERS	INSULATED-KURARAY SGP	NYLON ROLLERS	INSULATED-KURARAY SGP	STEEL ROLLERS	INSULATED-KURARAY SGP	NYLON ROLLERS
4	8696	201- 202 Loads -203	81	2T	192 X 96"	4 X 8"	XXXX	NO	STD	43-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	NYLON ROLLERS
5	8697	201- 202 Loads -203	81	2T	240 - 3/8" X 96"	5 X 8"	XXXO	YES	BOX	55-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	FIXED
6	8698	201- 202 Loads -203	51	2T	240 - 3/8" X 96"	5 X 8"	XXXO	NO	STD	55-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	FIXED
7	8670	201- 202 Loads -203	86	2T	192 - 3/8" X 120"	4 X 10"	XXXX	YES	BOX	43-7/16"	110-9/16"	KURARAY-TROSIFOL PVB	STEEL ROLLERS	KURARAY-TROSIFOL PVB	NYLON ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	INSULATED-KURARAY TROFISOL PVB	NYLON ROLLERS
8	8699	201- 202 Loads -203	90	4T	204 X 96"	4 X 8"	XXXXp Exterior	YES	n/a	43-7/16"	88-9/16"	KURARAY-TROSIFOL PVB	NYLON ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	NYLON ROLLERS
8 - SGP	9236	201- 202 Loads -203	90	4T	204 X 96"	4 X 8"	XXXXp Exterior	YES	n/a	43-7/16"	88-9/16"	KURARAY SGP	NYLON ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS
9	8700	201-203	75	4T	188 X 96"	4 X 8"	OXXX	YES	n/a	43-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	FIXED	EASTMAN -SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	NYLON ROLLERS
9 - SGP	9468	201- 202 Loads -203	90	4T	188 X 96"	4 X 8"	OXXX	YES	n/a	43-7/16"	88-9/16"	KURARAY SGP	FIXED	KURARAY SGP	NYLON ROLLERS	KURARAY SGP	STEEL ROLLERS	KURARAY SGP	NYLON ROLLERS
10	8701	201- 202 Loads -203	90	4T	188 X 96"	4 X 8"	XXXX	YES	n/a	43-7/16"	88-9/16"	INSULATED-EASTMAN SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	NYLON ROLLERS	INSULATED-EASTMAN SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	NYLON ROLLERS
11	8702	201- 202 Loads -203	70	4T	204 X 96"	4 X 8"	XXXXp Exterior	NO	n/a	43-7/16"	88-9/16"	KURARAY-TROSIFOL PVB	NYLON ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	INSULATED-KURARAY TROFISOL PVB	NYLON ROLLERS
12	8703	201- FULL 202 -203 No Sill Riser 2-5/8" Sill Riser 3-7/16" Sill Riser	75 + 5 / 33.3 + 9 / 80 + 13.5 / 90	4T	236 X 96"	5 X 8"	XXXO	YES	n/a	55-7/16"	88-9/16"	KURARAY-TROSIFOL PVB	NYLON ROLLERS	KURARAY-TROSIFOL PVB	STEEL ROLLERS	INSULATED-KURARAY TROFISOL PVB	NYLON ROLLERS	INSULATED-KURARAY TROFISOL PVB	FIXED
13	8704	201- 202 Loads -203	80	4T	236 X 96"	5 X 8"	XXXO	NO	n/a	55-7/16"	88-9/16"	EASTMAN -SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	NYLON ROLLERS	EASTMAN -SAFLEX PVB	FIXED
14	8705	201- FULL 202 -203 No Sill Riser 3-1/4" Sill Riser 4" Sill Riser	80 + 8 / 40 + 9 / 80 + 13 / 88.6	4T	203 - 3/4" x 120"	4 X 10"	XXXXp Exterior	YES	n/a	43-7/16"	110-9/16"	EASTMAN -SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS	INSULATED-EASTMAN SAFLEX PVB	STEEL ROLLERS	EASTMAN -SAFLEX PVB	STEEL ROLLERS

Prepared by Tom Sotos

Sheet 2



10/10/2023
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