

Evaluation Report LH-104

September 25, 2020

Product Description: Series 8900 PVC Sliding Glass Door, Large Missile Impact, OX, XO, OXO, or OXXO configuration, 4'x8' nominal panel size, 3/16 Laminated (3/32Ann-.030PVB-3/32Ann) – Air – 7/16 Laminated (3/16Ann-.090SGP-3/16Ann) glass, +60/-60 PSF

Manufacturer: Larson Manufacturing, 2333 Eastbrook Dr., Brookings, SD 57006

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 7th Edition (2020) 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) Approval drawing LH-104, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3691-1, NCTL-210-3956-1 and -1A by National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, P.E., with testing performed: TAS 201, 202, 203 1994
- 4) Supplemental Calculations to support LH-104, signed/sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document LH-104.

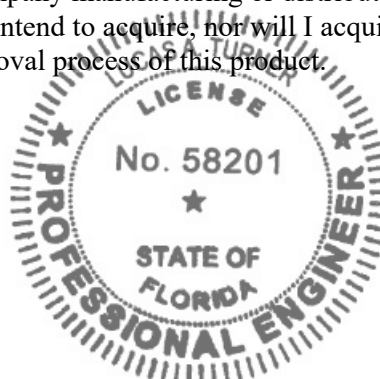
Limitations of Use: This product:

- May be used with door heights up to 95 $\frac{1}{2}$ ", with overall door widths up to 96" for OX, 145 $\frac{1}{16}$ " for OXO, and 190 $\frac{1}{8}$ " for OXXO
- May have DLO sizes up to 41 $\frac{1}{2}$ "x85 $\frac{7}{8}$ "
- Achieves a design pressure of +60/-60 psf
- Is impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires outboard of 3/16 Fully Tempered or 3/16 Laminated (3/32Ann-.030PVB-3/32Ann) – Air – inboard of 7/16 Laminated (3/16Ann-.090 SGP-3/16Ann) glass minimum
- Requires Kuraray PVB Interlayer in 3/16 Lami per Miami-Dade N.O.A. #19-0305.02[†]
- Requires Kuraray SentryGlas Interlayer in 7/16 Lami per Miami-Dade N.O.A. #17-0808.02[†]
- Requires Quanex (Mikron) white rigid PVC framing per Miami-Dade NOA #17-0206.10[†]

[†] I have evaluated the interlayer and framing materials in these Kuraray and Quanex NOAs and find that they comply with the requirements of the 7th Ed. (2020) 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 Larson Manufacturing 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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9/25/2020
Lucas A. Turner, P.E.
FL PE #58201