

# Engineering Evaluation Report # 4100-082820

**Prepared by:**

A. Lynn Miller, P.E.  
1070 Technology Dr.  
N. Venice, FL 34275  
(941) 480-1600  
Florida Registration: #29296

**Manufacturer:**

CGI Windows and Doors  
3780 W 104th St.  
Hialeah, FL 33018

**Product Description:**

4100A Series Impact-resistant Aluminum Single Hung Window, (LM & SM), FL-23358

**Compliance:**

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).

**Supporting Technical Documentation:**

1. Approval document: drawing number SH4100FLPA Rev E, signed and sealed by A. Lynn Miller, P.E.
2. Test Report(s) No. FTL 17-7382, 18-8281 & 20-2108.1-6, signed and sealed by Idalmis Ortega, P.E.  
Fenestration Testing Laboratories, Nokomis, FL 34275  
TAS 201-94 Large Missile Impact Test  
TAS 202-94 Uniform Static Air Pressure Test  
TAS 203-94 Cyclic Pressure Loading Test
3. Anchor calculations, signed and sealed by A. Lynn Miller, P.E., dated 9/25/18 & 8/27/20.
4. Miami-Dade RER Product Control Section NOA's; PVB Interlayer by Kuraray America, Inc and Saflex PVB Interlayer by Eastman Chemical Company

**Limitations and Conditions of use:**

- Maximum Design Pressure: +55.0/-65.0 psf
- Maximum Overall Buck Size: 52-1/8" x 77"
- Maximum DLO: 48-13/16" x 35-1/8"
- Units must be glazed per ASTM E1300-09, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame and sash material to be extruded Aluminum.
- Units must be installed in accordance with approval document, SH4100FLPA.



A. Lynn Miller, P.E.  
P.E. # 58705