



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

**Countryside Glass & Mirror, Inc.
YHC 300 OG Curtain Wall System with Ballistic Glazing
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL41228

Report No. 8456

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Panel Walls
Sub – Category:	Curtain Wall
Product:	YHC 300 OG Curtain Wall System with Ballistic Glazing
Materials:	Aluminum 6063-T5
Product Dimensions:	See Installation Instructions, CGM011

Prepared for:

**Countryside Glass & Mirror, Inc.
2650 Gandy Blvd North.
St. Petersburg, FL 50265**

Prepared by:

Hermes F. Norero, P.E.

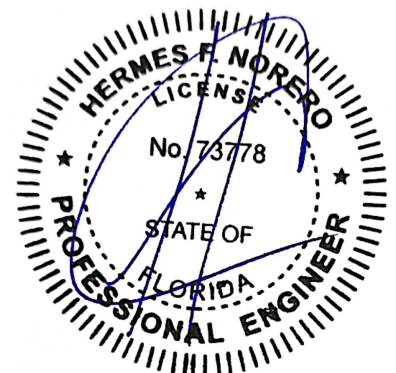
Florida Professional Engineer # 73778

Date: 4/13/2023

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Digitally signed by Hermes F. Norero, P.E.
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Hermes F. Norero, P.E.
Florida P.E. No. 73778

398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Manufacturer: Countryside Glass & Mirror, Inc.

Product Category: Panel Walls

Product Sub-Category: Curtain Wall

Compliance Method: State Product Approval Method (1)(d)

Product Name: **YHC 300 OG Curtain Wall System with Ballistic Glazing (HVHZ) (Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Countryside Glass & Mirror, Inc.** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **CGM011**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **CGM011** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **CGM011** for size and design pressure limitations.

Quality Assurance:

The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute**. (FBC Organization #: QUA1789).

Performance Standards:

The product described herein has been evaluated per:

- AAMA 501-15
- ASTM E1886-13a
- ASTM E1996-17
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Lithia Springs, GA / Atlanta**
(FBC Organization # TST3892)
Report #: 0231-0807-09, Report Date: 11/03/09
Report #: G231-1001-09 Spec. #6, Report Date: 05/03/10
Reports Signed and Sealed by Vinu J. Abraham, FL P.E. No. 53820
2. Product Testing performed by **America Test Lab of South Florida**
(FBC Organization # TST3782)
Report #: 0115.01-09, Report Date: 11/02/09
Report #: 0128.02-09, Report Date: 11/02/09
Report #: 0423.01-09, Report Date: 11/02/09
Reports Signed and Sealed by William R. Mehner, FL P.E. No. 7496

Report #: 0430.01-09, Report Date: 11/02/09
Report Signed and Sealed by Edmundo Largespada, FL P.E. No. 56915
3. Product Testing performed by **National Certified Testing Laboratories, Inc.** (FBC Organization # TST1589)
Report #: NCTL-210-2274-7, Report Date: 01/28/00
Report #: NCTL-210-2274-8, Report Date: 01/28/00
Reports Signed and Sealed by Barry Portnoy, FL P.E. No. 16285

4. Product Testing performed by **Construction Research Laboratory**
(FBC Organization # TST4281)
Report #: 6408B, Report Date: 05/02/97
Reports Signed and Sealed by Nari Balsara, FL P.E. No. 15079
5. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America, Inc. (Previously DuPont)
SentryGlas Interlayer
6. Material Testing
Chesapeake Testing
Advanced Impact Technologies Custom UL Level 3 Laminate
UL 752 Testing
Report #: 21465-001-2, Report Date: 1/21/20
7. Quality Assurance
National Accreditation and Management Institute, Inc.
(FBC Organization #: QUA1789)

Installation:

Refer to Installation Instructions (**CGM009**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**CGM009**) for design pressures dependent on size options.