

**I. Air, Water, Structural Testing**



- **AAMA/WDMA/CSA 101/I.S.2/A440** - North American Fenestration Standard/ Specification for windows, doors, and skylights.
- **ASTM E283** - Determining Rate of Air Leakage through exterior Windows, Curtain Walls and Doors under specified uniform static air pressure difference
- **ASTM E330** - Structural Performance of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure
- **ASTM E331** - Water Penetration of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure
- **ASTM E547** - Water Penetration of exterior Windows, Doors, Skylights and Curtain Walls by uniform static air pressure



*AAMA Gold Label Certification Program*

**II. Thermal Testing & Simulation**

- **AAMA 1503** - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections
- **ASTM C1199** - Standard Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods
- **ASTM C1363** - Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
- **NFRC 100 / 200 / 500** – NFRC testing for U-Value, SHGC and air infiltration
- **NFRC 102** – NFRC procedure for hot box thermal U-value testing

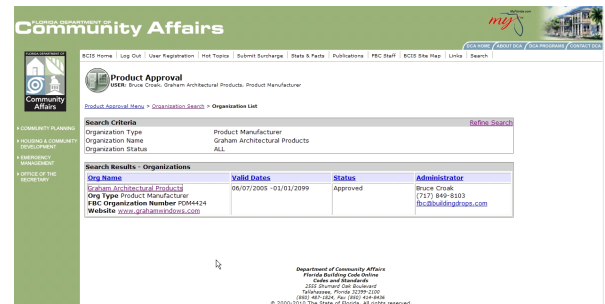
	<p>Series 3000 Model 3023 C</p> <p>Thermally Improved Aluminum Tilt Double Hung Laminated Double Glazing – Low E</p>	
<b>ENERGY PERFORMANCE RATINGS</b>		
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient	
<b>0.54</b>	<b>0.33</b>	
<b>ADDITIONAL PERFORMANCE RATINGS</b>		
Visible Transmittance	Condensation Resistance	
<b>0.49</b>	<b>32</b>	
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org</p>		

*NFRC Thermal Certification Program*

*AAMA is our IA for this program*

**III. Impact and Cycling Testing**

- **AAMA 506** – Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products
- **ASTM E 1886** - Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impact by Missile and Cyclic Pressure
- **ASTM E 1996** - Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricane
- **TAS 201** – Florida code test for impact
- **TAS 202** - Florida code test for uniform static air pressure testing
- **TAS 203** – Florida code test for cyclic wind pressure load testing



*Florida State-wide Product Approval System*

**IV. Blast Testing**

- **AAMA 510** - Voluntary Guide Specification for Blast Hazard Mitigation for Fenestration Systems
- **ASTM F1642** - Standard Test Method for Glazing and Glazing Systems Subject to Airblast Loadings
- **UFC 4-010-01** - Minimum Antiterrorism Standards for Buildings
- **GSA TS-01** - Standard Test Method for Glazing and Glazing Systems Subject to Dynamic Overpressure Loadings

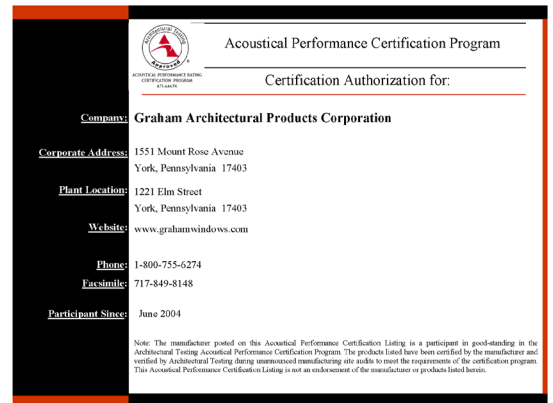
*AAMA Security Fenestration Certification Program - Architectural Testing Inc. is the Administrator for this program*



**V. Acoustical Performance Testing**

- **AAAMA 1801** - Voluntary Specification for the Acoustical Rating of Windows, Doors and Glazed Wall Sections
- **ASTM E90** - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E1425** - Standard Practice for Determining the Acoustical Performance of Windows, Doors, Skylight, and Glazed Wall Systems

*Architectural Testing Inc. Acoustical Certification Program*



**VI. Insulating Glass**

- **ASTM E2188** - Standard Test Method for Insulating Glass Unit Performance
- **ASTM E2189** - Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units
- **ASTM E2190** - Standard Specification for Insulating Glass Unit Performance and Evaluation

*IGCC/IGMA Insulating Glass Certification Program*

