



# EXTERIOR WALL TESTING AT THE LPI TESTING & RESEARCH FACILITY

## Third-party, Independent Facility with an Unbiased Approach



### WE PROVIDE

- **Quality Assurance**
- **Failure Analysis**
- **Visual Mockups**
- **Testing:** For new and existing exterior wall systems, assemblies and products (including individual windows).
- **Report:** Provide a written report documenting testing results and observations.
- **Consulting:** Testing can be supplemented with exterior wall consulting services through our affiliate, Vidaris, Inc. Vidaris can witness testing, assist in the diagnosing of issues as well as develop remedial recommendations as necessary.
- Specific tests available:

**ASTM E 283: Air Infiltration** - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

**ASTM E 331: Water Penetration** - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

**ASTM E 330: Structural Performance** - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

### OUR VALUE

- **Independent Testing:** LPI confirms that components tested meet the intended design criteria and are manufactured and assembled in a manner that is consistent with the applicable standards.
- **Highest Standards:** Testing methods follow guidelines set by ASTM and AAMA and are subject to LPI's internal QA/QC policies and procedures. They do not lead to product certification.
- **Convenience:** Our 13,000 sq ft facility is conveniently located in the Gowanus section of Brooklyn
- **Visual Indoor or Outdoor Mockups:** View your mockup in real-life conditions for aesthetics, technical appropriateness as well as to confirm conformance with approved contract documents and specifications

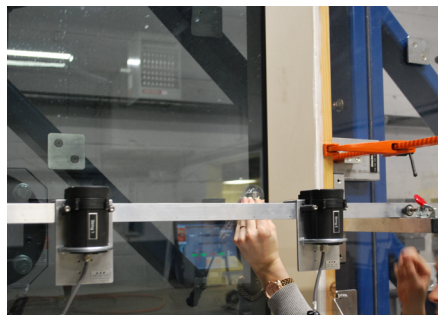


**145 8th Street, Brooklyn, NY**

10 Minutes from Brooklyn Battery Tunnel, 30 Minutes from Midtown Manhattan  
Easily Accessible by the ,  and  Subway Lines 2 Blocks Away

# LPI TESTING & RESEARCH FACILITY

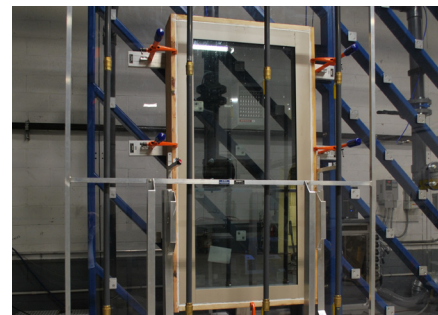
## EXTERIOR WALL PROCESS



SETUP & TESTING



PREPARE WRITTEN  
DOCUMENTATION OF  
RESULTS



OPTIONAL: INVESTIGATE  
AND/OR CONSULT

## WHO BENEFITS

The testing facility allows for problems to be solved for the following clients:

- Building Owners
- Architects & Engineers
- Developers
- Consultants
- Manufacturers
- Vendors
- Condo & Coop Boards
- Insurance & Litigation Professionals
- Contractors

## OTHER LPI SERVICES

LPI also offers the following services:

- Stress Analysis
- Structural Analysis
- Thermal Hydraulics
- Vibration & Testing Analysis
- Fracture Mechanics
- Corrosion, Fatigue & Creep Analysis
- Metallurgy & Materials
- Residual Stress Detection & Analysis
- Nondestructive Engineering
- Structural Field Monitoring & Instrumentation
- Failure Analysis
- Laboratory Services
- Specialized Services for Nuclear

## CONTACT

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*Vidaris, an affiliate of LPI, was founded in the State of New York in 1923 as a General Business Corporation and is authorized to provide Architectural services in the State of New York.*

NEW YORK   MASSACHUSETTS   WASHINGTON   FLORIDA   CALIFORNIA   AUSTRALIA

[www.lpiny.com](http://www.lpiny.com)