State of the art equipment run by highly trained technicians translates to accuracy and efficiency in the field.

For ultimate quality assurance, site-installed fenestration and curtain wall products must be field tested for air infiltration, water leakage, and structural performance.

Architectural Testing (ATI) has over 40 years of field testing experience, enabling us to serve a diverse clientele. Our thorough understanding of the applicability and execution of field testing standards assures architects, building owners, consultants, and contractors that they are meeting contract obligations and specifications during new construction and renovation projects.

ATI has performed field testing on structures of all sizes and configurations. No project is too big or too small.
Building Enclosure Field Testing

**Capabilities**

We show up prepared for the job ahead. Our fully equipped test vans include our portable “eLab Pack” with centrifugal blower, vacuum pump, rotameters (airflow rate measurement), and pressure measurement gauges. To devise the best chamber test arrangement, our work begins before we arrive at your job site. We carefully communicate with you to evaluate architectural details, shop drawings and preliminary photographs to ensure the appropriate test procedures are applied. We take care of test equipment, equipment calibration, staging, access equipment and scaffolding to ensure work proceeds smoothly. If required for specific projects, ATI will modify standard procedures to test in accordance with customer specifications.

**Test Methods**

- ASTM E783 Air Leakage
- ASTM E1186 Air Leakage Site Detection
- ASTM E488 Anchor Strength
- AAMA 501.1 Dynamic Pressure Water Penetration
- AAMA 501.2 Hose Nozzle Water Penetration Test
- ASTM C1601 Masonry Absorption
- AAMA 502 Newly Installed Fenestration Products
- AAMA 503 Newly Installed Storefront, Curtain Wall, Sloped Glazing Systems
- ASTM D4541 Pull of Strength of Coatings (AVB)
- ASTM E330 Structural Performance
- ASTM E1105 Water Penetration
- Condensation Evaluation
- Frost Point Analysis

**Tested Products**

ATI routinely performs field tests on:
Windows, Doors, Storefronts, Curtain Walls, Masonry Walls, Sloped Glazing Systems, Skylights

As well as specialty tests for:
Anchor Load, Sealant Adhesion, Glass Properties (bow, warp, roll wave), Insulating Glass Dew Point, Membrane Roof Systems

**Other Related Services**

BUILDING ENCLOSURE COMMISSIONING
FORENSICS
ACOUSTIC TESTING
ROOF SERVICES
THERMAL TESTING
OPAQUE WALLS

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