

# Building Envelope Fenestration Testing

## Air Infiltration and Water Penetration Testing



SJB has been performing water spray testing of curtain walls and masonry walls for over a decade at various project sites: University at Buffalo, SUNY Brockport and Buffalo City Schools.

In 2011, we began a new division that specializes in air infiltration and water penetration testing of windows and curtain walls. Between 2011-2013, we provided these services for projects such as:

- The Renovation of the Allied Health Building - Alfred State College
- SUNY Brockport's New Academic Building
- The New Student Leadership Center at Alfred State College
- Sanford Hall Renovations at SUNY Delhi
- Rochester City School No. 58
- Geneseo College
- Buffalo State College Tower #4 Rehabilitation
- Town of Cheektowaga Police & Courts Building
- Rochester City School #17

SJB has in house equipment to perform these tests, and our staff is currently certified and trained in: ASTM E783, E331, E547, E1105, E2112, and E2128 along with AAMA 501, 502, 503, and 511.

### SJB Routinely Performs Testing of:

- Windows
- Doors
- Storefronts
- Curtain Walls
- Skylights
- Masonry
- Air / Vapor Barriers

### In Addition, SJB Performs Specialty Tests:

- Rilem Absorption Testing - Masonry Wall
- Surface Moisture Testing - Masonry Wall
- Water Penetration Testing - Masonry Wall (ASTM C1601)
- Moisture Emission by Plastic Sheet (ASTM D4265)
- Air / Vapor Adhesion Test - (ASTM D4541 / ASTM D7234)
- Forensic Boroscope - Windows, Doors, Walls
- Infrared Testing
- Paint Adhesion Test (ASTM D3359)



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