The integrity of a building enclosure depends on the performance of its curtain wall. That’s why ATI offers architects, designers and building owners comprehensive mock-up testing capabilities to ensure their curtain walls perform as intended. The results of testing are used to validate the design, workmanship, and material selection, and to gain the approval of clients, architects, and consultants.

Architectural Testing (ATI) knows how to design and specify tests for a wide range of mock-ups and conditions, enabling us to serve diverse clientele. Some of the world’s most prestigious architects and construction firms trust the experts at ATI to provide the insight required to validate curtain wall performance. Tests can involve precast structures, metal/glass wall systems, masonry, unitized systems, rain screens and more. Custom test conditions can be designed by ATI experts in order to measure unique performance attributes as well.
Performance Mock-Up Testing

Test Methods
- Wind Resistance
- Water Resistance (static and dynamic)
- Air Infiltration
- Structural Loading
- Thermal Cycling
- Dynamic Seismic Performance (lateral movement)
- Interstory Displacement (vertical movement)
- Acoustical Performance
- Impact Safety
- All applicable ASTM and AAMA standards
- Custom specifications

Project References
- Denver International Airport (Denver, CO)
- University of Hawaii (Honolulu, HI)
- Kimmel Center for the Performing Arts (Philadelphia, PA)
- Stanford University Medical Center (Palo Alto, CA)
- Marriott Marquis (Washington, D.C.)
- McCaren International Airport (Las Vegas, NV)
- Eighth Avenue Place (Calgary, AB)
- Perez Art Museum Miami – PAMM (Miami, FL)
- World Trade Center (New York, NY)
- COBO Convention Center (Detroit, MI)
- Simcoe Place (Toronto, ON)
- Harborview Medical Center Apartments (Seattle, WA)
- University of Wisconsin, Sterling Hall (Madison, WI)
- John Hopkins University (Baltimore, MD)
- NASA Langley Research Center (Hampton, VA)
- Logan International Airport (Boston, MA)
- Anaheim Regional Transportation Intermodal Center (Anaheim, CA)
- Borgata Casino (Atlantic City, NJ)
- Museum of the Marine Corps. (Quantico, VA)
- National Gallery of Art – East Building (Washington, D.C.)
- Samsung Engineering Global Engineering Center (South Korea)
- Hong Kong Airport (China)
- Novartis (Basel, Switzerland)
- Smithsonian NMAAHC (Washington, D.C.)
- Hudson Yards (New York, NY)

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