Dedicated Laboratory conducts structural performance test methods as established by AAMA, ASTM, SPRI, Miami-Dade, CCMC Technical Guides, and ICC-ES Acceptance Criteria for building code compliance.

Architectural Testing’s dedicated staff of engineers and technicians have experience with all the major players in the fence, deck, and rail industry, as well as experience with ICC-ES Acceptance Criteria, building code evaluations and other test standards. Accredited by IAS as an independent testing laboratory and inspection agency, ATI offers an ANSI-accredited product certification program. We are uniquely qualified to provide a coordinated scope of services that includes product sampling, qualification testing, quality assurance inspections, and building code compliance evaluation for your building products.

ATI also recognizes the importance of obtaining timely test results to substantiate the installation of your products in building code applications. We are committed to providing top-quality performance testing and superior test reports in as short of a time frame as possible.

Typical products tested include:

- Decking, Railings, Guardrail, Handrail, and Privacy Fence - Wood-Plastic Composite, Plastic Lumber, Cellular Vinyl, PVC, and Fiberglass
- Structural Panels - Concrete, Masonry, Metal, Wood, SIPs
- Structural Columns & Posts - PVC, Aluminum, Laminated Wood, Fiber-Reinforced Polymers (FRP), High-Density Polystyrene (HDPS)
Structural Systems Testing Standards and Methods

**ICC-ES AC04**  
Acceptance Criteria for Sandwich Panels

**ICC-ES AC15**  
Acceptance Criteria For Concrete Floor, Roof and Wall Systems And Masonry Wall Systems

**ICC-ES AC46**  
Cold-formed Steel Framing Members

**ICC-ES AC109**  
Acceptance Criteria for Thermoplastic Composite Lumber Products

**ICC-ES AC174**  
Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)

**ICC-ES AC265**  
Acceptance Criteria For Fiber-Reinforced Polymer (FRP) Composite Columns Used As Axial Load-Bearing and Non load-bearing Architectural and Decorative Columns

**ICC-ES AC227**  
Rigid Cellular PVC Non load-bearing Exterior Trim

**ICC-ES AC273**  
Acceptance Criteria for Handrails and Guards

**ICC-ES AC382**  
Acceptance Criteria for Laminated Fibrous Board Sheathing Material Used as a Water-Resistive Barrier

**CCMC Technical Guide**  
for PVC Guard Systems

**CCMC Technical Guide**  
for Cellulosic/Polymer Composite Exterior Decking

**AAMA 450**  
Mullion Performance Testing

**AAMA 501.6**  
Recommended Dynamic Test Method For Determining The Seismic Drift Causing Glass Fallout From A Wall System

**ANSI TPI 1**  
National Design Standard for Metal Plate-connected Wood Truss Construction, Chapter 5

**ASTM D 2394**  
Standard Test Methods for Simulated Service Testing of Wood and Wood Based Finish Flooring

**ASTM D 7032**  
Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)

**ASTM E 72**  
Standard Test Methods of Conducting Strength Tests of Panels for Buildings

**ASTM E 455**  
Standard Test Method for Static Load Testing of Framed Floor or Roof Diaphragm Constructions for Buildings

**ASTM E 564**  
Standard Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings

**ASTM E 935**  
Standard Test Method for Performance of Permanent Metal Railing Systems and Rails for Buildings

**ASTM E 985**  
Standard Specification for Permanent Metal Railing Systems and Rails for Buildings

**ASTM F 1679**  
Standard Test Method for Using a Variable Incidence Tribometer (VIT)

**ASTM F 2408**  
Standard Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets

**SPRI ES-1**  
Architectural Edge Metal Testing

**Miami-Dade**  
Privacy Fence