Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that ICC NTA, LLC located at 58640 State Road 15, Goshen, IN 46528 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

A2LA Certificate Number 6395.01 Construction Materials

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Carl D. Fussner, P.E.; William R. Heiden, III, P.E.

This Certification and Registration Approved: **October 12, 2023**
This Certification and Registration Expires : **October 3, 2028**

Certification No. : **23-0920.01** *Revises and Renews*: 21-1110.03

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
Product Control Section

Americo Segura, M.S., CGC
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ICC NTA, LLC
58640 State Road 15
Goshen, Indiana 46528
Justin Mann (Authorized Representative) (574) 533-0337
jmann@icc-nta.org

CONSTRUCTION MATERIALS

Valid To: November 30, 2023 Certificate Number: 6395.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following tests:

Test Technology:	**Test Method(s)[1,2]:**
Adhesive Testing	
APA Specification AFG-01	Adhesives for field-gluing plywood to wood framing
ASTM C557	Standard specification for adhesives for fastening gypsum wallboard to wood framing
ASTM D903	Standard test method for peel or stripping strength of adhesive bonds
ASTM D904	Standard practice for exposure of adhesive specimens to artificial light
ASTM D905	Standard test method for strength properties of adhesive bonds in shear by compression loading
ASTM D1002	Standard test method for apparent shear strength of single-lap-joint adhesively bonded metal specimens by tension loading (metal-to-metal)
ASTM D1101	Standard test methods for integrity of adhesive joints in structural laminated wood products for exterior use
ASTM D1876	Standard test method for peel resistance of adhesives (t-peel test)
ASTM D2294	Standard test method for creep properties of adhesives in shear by tension loading (metal-to-metal)

Test Technology:	**Test Method(s)[1]:**
ASTM D2559	Standard specification for adhesives for bonded structural wood products for use under exterior exposure conditions
ASTM D3024	Performance specification protein-base adhesives for structural laminated wood products for use under interior (dry use) exposure conditions
ASTM D3330/D3330M	Standard test method for peel adhesion of pressure-sensitive tape
ASTM D3498	Standard specification for adhesives for field-gluing plywood to lumber framing for floor systems
ASTM D3930	Standard specification for adhesives for wood-based materials for construction of manufactured homes
ASTM D4317	Standard specification for polyvinyl acetate-based emulsion adhesives
ASTM D6464	Standard specifications for expandable foam adhesives for fastening gypsum wallboard to wood framing
ICC-ES AC05	Sandwich panels (*except sections 8.8 and 8.9*)
ICC-ES AC223	Two-part polyurethane adhesives used to attach gypsum board to wood framing (sections 3.1 and 3.3)
Assembly Testing	
AAMA 306	Voluntary specification for rigid poly (vinyl chloride) (PVC) exterior plank profiles used for deck and dock walking surface *(except sections 5.2, 5.3, and 5.5)*
AISI S907	Cantilever test method for cold-formed steel diaphragm
ASTM D5206	Standard test method for windload resistance of rigid plastic siding
ASTM D7032	Standard specification for establishing performance ratings for wood-plastic composite and plastic lumber deck boards, stair treads, guards, and handrails. *(Excluding Sections 4.8 and 4.9)*

Test Technology:	Test Method(s)[1]:
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTM E283	Standard test method for determining rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across the specimen
ASTM E330/E330M	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by uniform static air pressure difference
ASTM E455	Standard test method for static load testing of framed floor or roof diaphragm constructions for buildings
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings
ASTM E580/E580M	Standard practice for installation of ceiling suspension systems for acoustical tile and lay-in panels in areas subject to earthquake ground motions
ASTM E661	Standard test method for performance of wood and wood-based floor and roof sheathing under concentrated static and impact loads
ASTM E695	Standard test method of measuring relative resistance of wall, floor, and roof construction to impact loading
ASTM E783	Standard test method for field measurement of air leakage through installed exterior windows and doors
ASTM E894	Standard Test Method for Anchorage of Permanent Metal Railing Systems and Rails for Buildings
ASTM E935	Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings
ASTM E985	Standard Specification for Permanent Metal Railing Systems and Rails for Buildings

Test Technology:	**Test Method(s)[1]:**
ASTM E1233/E1233M	Standard test method for structural performance of exterior windows, doors, skylights, and curtain walls by cyclic air pressure differential
ASTM E1592	Standard test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference
ASTM E1886	Standard test method for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by missile(s) and exposed to cyclic pressure differentials
ASTM E2126	Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings
ASTM E2353	Standard Test Methods for Performance of Glazing in Permanent Railing Systems, Guards, and Balustrades
ASTM E2357	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies
ASTM E2570/E2570M	Standard test methods for evaluating water-resistive barrier (WRB) coatings used under exterior insulation and finish systems (EIFS) or EIFS with drainage
ASTM E3090 / E3090M	Standard Test Methods for Strength Properties of Metal Ceiling Suspension Systems
ASTM F2408	Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets
FM 4474	American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures (Appendix B, C*, D*)
ICC-ES AC86	Cold-formed steel framing members-interior nonload-bearing wall assemblies
ICC-ES AC90	Fiber cement siding used as exterior wall siding
ICC-ES AC174	Deck board span ratings and guardrail systems (guards and handrails) (test method referenced in section 3.0, except sections 3.9 and 3.10)

Test Technology:	**Test Method(s)[1]:**
ICC-ES AC212	Water-resistive coatings used as water-resistive barriers over exterior sheathing
ICC-ES AC262	Horizontal diaphragms consisting of wood structural panel sheathing attached to cold-formed steel framing
ICC-ES AC269	Racking shear evaluation of proprietary sheathing materials attached to light-frame wall construction or code-complying sheathing attached to light-framed walls with proprietary fasteners
ICC-ES AC273	Handrails and guards (test method referenced in section 4.0)
ICC-ES AC319	Horizontal diaphragms consisting of structural cementitious floor sheathing panels attached to cold-formed steel framing (test methods referenced in section 4.0)
ICC-ES AC335	Adjustable steel columns (test methods referenced in section 3.0)
ICC-ES AC367	Fiber-reinforced cement sheet structural floor sheathing (test methods referenced in section 3.0)
ICC-ES AC368	Suspended ceiling framing systems (test methods referenced in section 3.0)
ICC-ES AC395	Headed Shear Stud Reinforcement Assemblies for Concrete Slabs or Footings
ICC-ES AC439	Standard Test Methods for Performance of Glazing in Permanent Railing Systems, Guards, and Balustrades
TAS 114	Test procedures for roof system assemblies in the high velocity hurricane zone jurisdiction (Appendices C*, D, E, and J*)
TAS 201	Impact test procedures
TAS 202	Criteria for testing impact and non-impact resistant building envelope components using uniform static air pressure
TAS 203	Criteria for testing products subject to cyclic wind pressure loading

Test Technology:	**Test Method(s)[1]:**
UL 1897	Uplift Tests for Roof Covering Systems
Cement Board Testing	
ASTM C1185	Standard test methods for sampling and testing non-asbestos fiber-cement flat sheet, roofing and siding shingles, and clapboards
ASTM C1186	Standard specification for flat fiber-cement sheets
ASTM C1325	Standard specification for non-asbestos fiber-mat reinforced cementitious backer units
ICC-ES AC318	Structural cementitious floor and roof sheathing panels
Environmental Testing	
ASTM B117	Standard practice for operating salt spray (fog) apparatus
ASTM C518	Standard test method for steady-state thermal transmission properties by means of the heat flow meter apparatus
ASTM C1442	Standard practice for conducting tests on sealants using artificial weathering apparatus
ASTM D2247	Standard practice for testing water resistance of coatings in 100% relative humidity
ASTM E96/E96M	Standard test methods for water vapor transmission of materials
ASTM E2485/E2485M	Standard test method for freeze/thaw resistance of exterior insulation and finish systems (EIFS) and water resistive barrier coatings
ASTM G85	Standard practice for modified salt spray (fog) testing
ASTM G154	Standard practice for operating fluorescent ultraviolet (UV) lamp apparatus for exposure of non-metallic materials
ASTM G155	Standard practice for operating xenon arc light apparatus for exposure of non-metallic materials
Fastener / Connector Testing	
AISI S905	Test Standard for Cold-Form Steel Connectors - Sections 9.2 and 9.3 only

Test Technology:	Test Method(s)[1]:
ASTM D1761	Standard test methods for mechanical fasteners in wood
ASTM D7147	Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers
ASTM E488	Standard Test Methods for Strength of Anchors in Concrete Elements – Section 8 only
ASTM E1190	Standard test methods for strength of power-actuated fasteners installed in structural members
ICC-ES AC13	Acceptance Criteria for Joist Hangers and Similar Devices
ICC-ES AC70	Power-actuated fasteners driven into concrete, steel and masonry elements (test methods referenced in sections 3.0 and 4.0)
ICC-ES AC261	Acceptance Criteria for Connectors used with Cold-Formed Steel Structural Members
ICC-ES AC344	Riveted connections of cold-formed steel structural members using self-piercing rivets (test methods referenced in section 3.0)
ICC-ES AC398	Acceptance Criteria for Cast-In-Place Cold-Formed Steel Connectors in Concrete for Light-Frame Construction
Fire Testing	
ASTM E136	Standard test method for behavior of materials in a vertical tube furnace at 750°C
Gypsum Testing	
ASTM C36/C36M	Standard specification for gypsum wallboard
ASTM C473	Standard test methods for physical testing of gypsum panel products
ASTM C1177/C1177M	Standard specification for glass mat gypsum substrate for use as sheathing
ASTM C1178	Standard specification for coated glass mat water-resistant gypsum backing panel
ASTM C1278/C1278M	Standard specification for fiber-reinforced gypsum panel
ASTM C1396/C1396M	Standard specification for gypsum board

Test Technology:	**Test Method(s)[1]:**
ASTM C1629/C1629M	Standard classification for abuse-resistant nondecorated interior gypsum panel products and fiber-reinforced cement panels (sections 6.3 and 6.4)
ASTM C1658/C1658M	Standard specification for glass mat gypsum panels
ICC-ES AC417	1/2-inch sag-resistant gypsum ceiling board (test methods referenced in section 3.0, except sections 3.5 and 3.6)
Material Properties Testing	
ASTM A370	Standard test methods and definitions for mechanical testing of steel products (Excluding Sections 17 and 20)
ASTM A1044	Standard Specification for Steel Stud Assemblies for Shear Reinforcement
ASTM C635/635M	Standard specification for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings
ASTM C1501	Standard test method for color stability of building construction sealants as determined by laboratory accelerated weathering procedures
ASTM D228/D228M	Standard test methods for sampling, testing, and analysis of asphalt roll roofing, cap sheets, and shingles used in roofing and waterproofing *(except section 13)*
ASTM D638	Standard test method for tensile properties of plastics
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D1037	Standard test methods for evaluating properties of wood-base fiber and particle panel materials
ASTM D3043	Standard Test Methods for Structural Panels in Flexure
ASTM D4869/D4869M	Standard specification for asphalt-saturated organic felt underlayment used in steep slope roofing (section 8.3 only)

Test Technology:	Test Method(s)[1]:
ASTM D6109	Standard test methods for flexural properties of unreinforced and reinforced plastic lumber and related products (method A only)
ASTM D6757/D6757M	Standard specification for underlayment felt containing inorganic fibers used in steep-slope roofing
ASTM D7031	Standard guide for evaluating mechanical and physical properties of wood-plastic composite products (Excluding Sections 5.13, 5.21 and 5.22)
ASTM E8/E8M	Standard test methods for tension testing of metallic materials
ASTM F1087	Standard test method for linear dimensional stability of a gasket material to moisture
Structural Insulated Panel Testing	
ASTM C271/C271M	Standard test method for density of sandwich core materials
ASTM C272/C272M	Standard test method for water absorption of core materials for sandwich constructions
ASTM C273/C273M	Standard test method for shear properties of sandwich core materials
ASTM C297/C297M	Standard test method for flatwise tensile strength of sandwich constructions
ASTM C365/C365M	Standard test method for flatwise compressive properties of sandwich cores
ASTM C393/C393M	Standard test method for core shear properties of sandwich constructions by beam flexure
ICC-ES AC04	Sandwich panels

[2]This accreditation covers testing/calibrations performed at all laboratory locations listed in this scope of accreditation.

Satellite Lab
700 US-45
Libertyville, IL 60048

Test Technology:	Test Method(s)[1,2]:
ASTM C518	Standard Test Method For Steady-State Thermal Transmission Properties By Means Of Heat Flow Meter Apparatus

ASTM E136	Standard Test Method For Behavior Of Materials In A Vertical Tube Furnace At 750°C
ASTM E2126	Standard Test Methods For Cyclic (Reversed) Load Test For Shear Resistance Of Vertical Elements Of The Lateral Force Resisting Systems Of Buildings
FM 4474	American National Standard For Evaluating The Simulated Wind Uplift Resistance Of Roof Assembling Using Static Positive And/Or Negative Differential Pressures (Append B, C*, D*)
UL 1897	Uplift Tests For Roof Covering Systems

On the following products or types of products:
Construction Materials including roofing products, structural products, fenestration products, fasteners, doors, flooring products, railing products, and related materials.

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories.

Accredited Laboratory

A2LA has accredited

ICC NTA, LLC

Goshen, Indiana

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 21st day of January 2022.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6395.01
Valid to November 30, 2023
Revised on September 29, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.