Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONOMIC 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 Architectural Testing, Inc. located at 130 Derry Court, York, PA 17406 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:

TAS100	ASTM B117	ASTM E331	AAMA 501
TAS100(A)	ASTM C39	ASTM E488 (Shear and pullout only)	AAMA 501.1
TAS101	ASTM C158	ASTM E546	AAMA 501.3-83
TAS102	ASTM D635	ASTM E773	AAMA 701-92
TAS102(A)	ASTM D638	ASTM E783	AAMA 702-92
TAS112	ASTM D790	ASTM E987	AAMA 800-92
TAS114 App. E (ExcludesDIN50018)	ASTM C1167	ASTM E1105	AAMA 902-92
TAS114 Appendix (A,B,C,D,E,F,G,H,I,J,K)	ASTM D1929	ASTM E1886	AAMA 1402-86
TAS117 (A,B & C)	ASTM D2843	ASTM F476	AAMA 1503.1-88
TAS125	ASTM D3679 (Excludes Weathering)	ASTM G26	ANSI Z97.1 (Impact only)
TAS131 (ASTM D2137 only)	ASTM E8	ASTM G85	FM 4471 Appendix G
TAS201	ASTM E72	ASTM G154	UL 580
TAS202	ASTM E283	ASTM G155	UL 1897
TAS203	ASTM E330	AAMA 103.3-89 Section 5	

International Accreditation Services, Inc. Certificate of Accreditation TL-144

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:

Joseph A. Reed, P.E., Justin P. McDonald, P.E., Tyler Westerling, P.E., Vinu Joseph Abraham, P.E., Michael E. Weigner, P.E., Charles L. Anderson, P.E.

This Certification and Registration Approved: **May 26, 2016**
This Certification and Registration Expires : **June 26, 2021**

Certification No. : **16-0421.02** *Renews: 12-0521.01*

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

Américo Segura, M.S.
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.

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INTERNATIONAL ACCREDITATION SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

ARCHITECTURAL TESTING, INC.

130 DERRY COURT
YORK, PENNSYLVANIA 17406-8405

Testing Laboratory TL-144

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing December 11, 2014, for the test methods listed in the approved scope of accreditation.

(See laboratory's scope of accreditation for fields of testing and accredited test methods.)

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.
See http://iasonline.org/More/search.html for current accreditation information, or contact IAS at 562-364-8201.

ilac-MRA

ACCREDITED

C.P. Ramani, P.E., C.B.O
President

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SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-144
Accredited Entity	Architectural Testing, Inc., an Intertek company
Address	130 Derry Court York, Pennsylvania 17406-8405
Contact Name	Brian C. Davis Manager of Quality Assurance
Telephone	(717) 764-7700
Effective Date of Scope	March 28, 2016

FIELDS OF TESTING	METHOD REFERENCE
Accelerated Weathering	ASTM Standards D1435, D2565, D4329, and G155
Acoustical Testing	AAMA Standard 1801; ANSI/ASA Standard S12.51; ASTM Standards C423, C522, C1199, C1289, C1363, E90, E336, E413, E492, E596, E795, E966, E989, E1007, E1050, E1110, E1111, E1222, E1332, E1414, E1425, E2179, and E2235; ISO Standards 140 Part 18, 3741, and 15665
Attic Vents	Test methods referenced in ICC-ES Acceptance Criteria AC132 Section 4.0
Blast Testing, Forced Entry Resistance and Ballistics Resistance	AAMA Standard 510; ASTM Standards F1233, F1592 (except Section 7.3), F1642, F1915, F2927, and F3038; GSA-TS01-2003; UFC Standard 4-010-01; UL Standards 608 and 752 (Sections 12-17, Levels 1-8)
Color Measurement	ASTM Standards D1003, D2244, E313, and E1477
Concrete; Concrete Floor, Wall, Roof and Masonry Wall Systems	ASTM Standards C90, C348, C469, C495, C496, C511, C567, C612, C666, C672 (Section 9 only), C1019, C1185, C1186, C1314, C1609, D751, D5035, E329 (limited to Test Methods referenced under Concrete Inspection and Testing and Masonry Inspection and Testing: ASTM Standards C39, C67, C143, C173, C270, and C1064), E447, E488, and G154; CSA Standard A123.21; Test methods referenced in ICC-ES Acceptance Criteria AC07 Section 4.0, AC15 Section 4.0, AC38 Section 4.0, AC51 Section 4.0, AC75 Section 4.0, AC90 Section 4.0, AC148 Section 4.0, AC188 (Table 1), and AC365 Section 4.0 (except UL 1703); RILEM TC 127-MS.B.5; TAS Standard 112

15-12065

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FIELDS OF TESTING	METHOD REFERENCE
Deck Boards and Guardrail Systems (Guards and Handrails)	ASTM Standards D2017, D2394, D6341, D6662 (Section 6.3.3), D7031, D7032, E935, and E2353; CCMC Technical Guides 06522 and 06525; Test methods referenced in ICC-ES Acceptance Criteria AC109 Section 4.0, AC174 Sections 4.0 and 5.0, and AC273 Sections 3.0 and 4.0; NRC-CNRC Technical Guides 06522 and 06525 (except Section 5.9)
Dimension Stone	ASTM Standards C97, C99, C170, C484, C880, C1354, and D5240
ENERGY STAR Program Requirements	**Windows, Doors and Skylights** ENERGY STAR Program Requirements for Residential Windows, Doors and Skylights – Version 5.0; NFRC Procedures for U-Factor (NFRC 100) and Solar Heat Gain Coefficient (NFRC 200); Skylight U-Factor criteria using U-Factor Ratings Certified under the NFRC Computer Simulation Procedure (for Tubular Daylighting Devices only)
Fire Testing	ASTM Standards E84, E108, E119, E603, E814, E1966, E2067, and E2226; CAN/ULC-S102; Test methods referenced in ICC-ES AC452 Section 3.0 (all except Section 3.3.2); NFPA Standards 251, 252, 255, 256, 257, 265, 285, 286, and 701; SFM Standards 12-7A-1, 12-7A-2, 12-7A-3, 12-7A-4, and 12-7A-4A UL Standards 9, 10B, 10C, 263, 723, 790, 1715, and 1975
Glass and Glazing Testing	ANSI Standards Z26.1 and Z97.1; ASTM Standards C1279 (procedure A only), C1651, C1652/C1652M, and F1915; BS 6206; BS EN 356 and 12600; CPSC Standard 16 CFR Part 1201; CAN/CGSB 12.1-M90; 1997 UBC Standard 24-2
Insulating Glass	ASTM Standards E546, E547, E773, E774, E2188, E2189, E2190, and E2649

15-12065

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FIELDS OF TESTING	METHOD REFERENCE
Physical Testing	AAMA Standard 711; AATCC Standard 127; AISI S905 All Sections except 8.2 and 9.2; ANSI/BHMA Standards A156.1, A156.2, A156.3, A156.4, A156.5, A156.6, A156.8, A156.9, A156.11, A156.12, A156.13, A156.14, A156.15, A156.16, A156.17, A156.18, A156.19, A156.20, A156.21, A156.23, A156.24, A156.26, A156.31, A156.32, and A156.36; ANSI/SPRI ES-1 (limited to SPRI Test RE-1, RE-2 and RE-3) and ANSI-SPRI GD-1; ASTM Standards A90, A370 (Sections 5 through 13), B117, B499, C109, C203, C209 (Sections 13 and 14), C297, C303, C393, C473, C550, C645, C661, C719, C864, C1166, C1305, C1401, C1521, C1522, C1523, D256, D395, D471, D570, D573, D624, D635, D638, D696, D746, D790, D792, D903, D925, D1004, D1005, D1037, D1042, D1149 (Methods B1, B2, B3, and B4, except Ozone Exposure), D1204, D1400, D1621, D1622, D1623, D1761, D1781, D1929, D2126, D2136, D2137, D2240, D2247, D2395, D2583, D2842, D2843, D3045, D3161, D3679, D4442, D4444, D4541, D4761, D5420, D5764, D6109, D6110, D6132, D6817 (except Section 13.4), D7091, D7147, D7254, E8, E72, E96, E136, E303, E455, E564, E661, E2025, E2126, E2178, E2485, E2568, and F606; AWPA Standard E12; FM Approval Standards 4470 Section 5.5 and 4474; Test methods referenced in ICC-ES Acceptance Criteria AC04 Sections 4.0 and 5.0 (Sections 4.3, 4.4, 4.5, 4.6.1, 5.4.1, 5.4.3, 5.4.2, 5.4.5, 5.4.7, and 5.4.8 only), AC11 Section 4.0, AC13 Section 3.0, AC25 Section 4.0 (excluding Sections 4.4.1 and 3.2.1) (UBC Sections 803.1, 803.2, 803.5), AC39 Section 4.0, AC49 Section 4.0, AC71 Section 3.0, AC86 Section 4.0, AC166 Sections 3.1.7 and 4.0, AC177 Section 4.0, AC227 Section 4.0, AC235 Section 4.0, AC265 Section 4.0, AC269 Section 4.0, AC 295 Section 4.0 (except Sections 4.3, 4.4, and 4.5), and AC382 Sections 3.0 and 4.0; UL Standards 746 C (Section 25 only) and 2218; CAN/CGSB 41.24-95

15-12065

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FIELDS OF TESTING	METHOD REFERENCE
Roofing	ASTM Standard E1592; Test methods referenced in ICC-ES Acceptance Criteria AC148 Section 4.0 and AC188 (Table 1) TAS Standards 100, 100A, and 112 UL Standards 580 and 1897
Structural Testing (Panels and Wood Products)	ANSI/TPI Standard 1 (Chapter 5 only); ASTM Standards D143, D198, D695, D3679, D4226, D5206, and E2486; CAN/CSA Standard O325.1 (Sections 3.1.3, 3.1.4, 3.1.5, 3.1.10, 5.8, 5.23, and 5.24 only); CSA Standard O437.1 (Section 3.1.4 only); Test methods referenced in ICC-ES Acceptance Criteria AC46 Section 4.0 and AC310 Section 4.0
Suspended Ceiling System	ASTM Standard C635; Test methods referenced in ICC-ES Acceptance Criteria AC368 Section 3.0 (except Section 3.5)
Thermal Insulation	ASTM Standards C550 and C1289; CAN/ULC-S704 and CAN/ULC-S770; Test Methods referenced in ICC-ES Acceptance Criteria AC81 Section 4.0 (except Section 4.3.3)
Thermal Performance Testing of Building Assemblies	AAMA Standards 507 and 1503; ASTM Standards C236, C518, C1199, C1289, and C1363; CSA Standards A440.2/A440.3; NFRC Standards 100, 101, 102, and 200
Windows, Doors, Curtain Walls and Skylights	AAMA Standards 101, 501.6, 920, 925, and 1304; ASTM Standards D4434, D5602, D5635, E283, E330, E331, E783, E1105, E1233, E1886, E1996, E2068, E2268, E2273, E2357, F588, F842, and F2090; BS EN Standards 12153, 12155, and 12179; CAN/CGSB 82.1 Section 6.0 only (except Subsections 6.9 and 6.11); CSA Standards A440 and A440.2-04/A440.3-04; DASMA Standards 108 and 115; FM Approval Standard 4473; Test methods referenced in ICC-ES Acceptance Criteria AC16 Section 4.0, AC212 Section 3.0, AC245 Section 4.0, and AC364 Section 3.0; NFRC Standards 102, 400, and 500; TAS Standards 201, 202, and 203

15-12065