TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory:	**Canadian Building Envelope Science and Technology**
Location Name or Operating as (if applicable):	CAN-BEST TESTING LABORATORY
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SCC File Number:	15226
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Mechanical/Physical
Initial Accreditation:	1995-11-27
Most Recent Accreditation:	2023-12-21
Accreditation Valid to:	2027-11-27

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
Note: This scope of accreditation is also available in French as a document issued separately.

CONSTRUCTION

Building Constructions and Prefabricated Buildings:

Buildings

ASTM C1279	Standard Test Method for Non-Destructive Photoelastic Measurement of Edge and Surface Stresses in Annealed, Heat-Strengthened, and Fully Tempered Flat Glass
ASTM C1363	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by means of a Hot Box Apparatus.
ASTM E1155*	Standard Test Method for Determining FF Floor Flatness and FL Floor Levelness Numbers
ASTM E2178	Standard Test Method for Air Permeance of Building Materials
ASTM E2273	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies
ASTM E2357	Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
ASTM E564	Standard Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings
ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
ASTM E779*	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization
ASTM E907	Standard Test Methods for Field Testing Uplift Resistance of Adhered Membrane Roofing Systems
ASTM E935	Standard Test Method for Performance of Permanent Metal Railing Systems and Rails for Buildings
CSA A500	Building Guards Only for: Section 5.0
ULC S-716.1	Standard for Exterior Insulation Finish System(EIFS)–Materials & Systems Except for: 5.3.2. Infrared Analysis, 5.4.2. Infrared Analysis, 5.5.4 Fire Resistance Testing.
ULC S-716.2	Standard for Exterior Insulation Finish System (EIFS) – Installation of EIFS Components and Water Resistive Barrier

Construction Materials (excluding textile products):

Miscellaneous Construction Materials

ASTM E96	Standard Test Methods for Water Vapour Transmission of Materials
ASTM E2098	Standard Test Method for Determining Tensile Breaking Strength of Glass Fiber Reinforcing Mesh for use in Class PB Exterior Insulation and Finish Systems (EIFS), after Exposure to a Sodium Hydroxide Solution.
ASTM E661	Standard Test Method for Performance of Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads
ASTM G154	Standard Practice for Operating Fluorescent Light Apparatus UV Exposure of Non-metallic Materials.

CSA 0325	Construction sheathing Except for 7.14 (Adhesive mold test) and 7.15 (Adhesive bacteria test)

Windows, Doors, and Curtain Walls

AAMA/WDMA/CSA 101/I.S.2/A440	NAFS - North American Fenestration Standard/Specification for windows, doors, and skylights Except for: Section 10
CSA A440S1	Canadian Supplement to AAMA/WDMA/ CSA 101/I.S.2/A440, NAFS — North American Fenestration Standard/ Specification for windows, doors, and skylights
AMCA 500-L	Laboratory Methods of Testing Louvers for Rating Only for: section 8.2
ANSI Z97.1	Safety Glazing Materials used in Buildings- Safety Performance Specifications and Methods of Test
ASTM C1199 (with ASTM E1423)	Standard Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods / Standard Practice for Determining Steady State Thermal Transmittance of Fenestration Systems
ASTM E1105*	Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E 1233	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Cyclic Air Pressure Differential
ASTM E1423 (with ASTM C1199)	Standard Practice for Determining Steady State Thermal Transmittance of Fenestration Systems/Standard Test Method for Measuring the Steady State Thermal Transmittance of Fenestration Using Hot Box Methods
ASTM E1424	Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure and Temperature Differences Across the Specimen
ASTM E283	Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls and Doors by Uniform Static Air Pressure Difference
ASTM E547	Standard Test Method for Water Penetration Resistance of Exterior Window, Skylights, Doors and Curtain Walls by Cyclic Static Air Pressure Differential
ASTM E576	Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units in the Vertical Position

ASTM E783*	Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors
ASTM E2188	Standard Test Method for Insulating Glass Unit Performance
ASTM E2189	Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units
ASTM E2190	Standard Specification for Insulating Glass Unit Performance and Evaluation
ASTM E2353	Standard Test Methods for Performance of Glazing in Permanent Railing Systems; Guards & Balustrades
ASTM E2649	Standard Test Method for Determining Argon Concentration in Sealed Insulating Glass Units Using Spark Emission Spectroscopy
ASTM F1233	Standard Test Method for Security Glazing Materials and Systems, Non Ballistic Testing Only
ASTM F476	Standard Test Method for Security of Swinging Door Assemblies
ASTM F588	Standard Test Method for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact
ASTM F842	Standard Test Method for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact
CAN/CGSB CAN2-12.1	Tempered or Laminated Safety Glass
CAN/CGSB CAN2-12.2	Flat, Clear Sheet Glass
CAN/CGSB CAN2-12.8	Insulating Glass Units Including Paragraph 3.6.3 "Argon Gas Concentration - GC Method"
CAN/CSA A440.2	Fenestration Energy Performance
ASTM E2268	Standard Test Method for Water Penetration of Exterior Windows, Skylights, and Doors by Rapid Pulsed Air Pressure Difference
NFRC 100	Procedure for Determining Fenestration Product U-factors (referenced in CSA-A440.2)
AAMA 501.1	Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure
AAMA 501.2	Quality Assurance and Diagnostic Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems
AAMA 501.8	Standard Test Method for Determination of Resistance to Human Impact of Window Systems Intended for Use in Psychiatric Applications

Number of Scope Listings: 52

Notes:

ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories
AAMA: American Architectural Manufacturers Association
ASTM: American Society for Testing and Materials
CSA: Canadian Standards Association
ULC: Underwriters Laboratories Canada
WDMA: Window & Door Manufacturers Association

* These test methods can be performed on-site as per RG-Lab.

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
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