



CERTIFICATE OF ACCREDITATION

This is to attest that

UBC TIMBER ENGINEERING AND APPLIED MECHANICS LABORATORY

1901-2424 MAIN MALL
VANCOUVER, BRITISH COLUMBIA V6T 1Z4, CANADA

Testing Laboratory TL-333

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date November 22, 2023



A handwritten signature in black ink that reads "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

UBC TIMBER ENGINEERING AND APPLIED MECHANICS LABORATORY

<https://team.forestry.ubc.ca/>

Contact Name Dr. Frank Lam

Contact Phone +604-822-6526

Accredited to ISO/IEC 17025:2017

Effective Date November 22, 2023

Structural	
AITC T107	Shear test
AITC T116	Modulus of elasticity for e-rated lumber by static loading
AITC T119	Full size end joint tension test
AITC T123	Sampling - testing and data analysis to determine tensile properties of lumber
ANSI/APA PRG 320-2012	Standard for performance rated cross-laminated timber
ANSI/ATIC A190.1	Standard for wood products - structural glued laminated timber (except referenced test methods AITC T102, T103, T104, T122)
APA PRP-108	Performance standards and policies for structural-use panels (test methods D-4, D-7, P-1, P-2, P-3, P-6, P-7, P-8, S-5, S-6, S-13 and S-14)
AS/NZS 4063.1	Australia/New Zealand Standard test methods for characterization of timber
AS/NZS 4063.2	Australia/New Zealand Standard for characteristic determination values of timber
ASTM D143	Standard test methods for small clear specimens of timber (except sections 10 and 11)
ASTM D198	Standard test methods of static tests of lumber in structural sizes (except torsion)
ASTM D1037	Standard test methods for evaluating properties of wood-base fiber and particle panel materials (except sections 7, 21 and 28)
ASTM D1151	Standard Practice for Effect of Moisture and Temperature on Adhesive Bonds
ASTM D1183	Standard Practices for Resistance of Adhesives to Cyclic Laboratory Aging Conditions
ASTM D1185	Standard test methods for pallets and related structures employed in materials handling and shipping (except sections 9.4 and 9.5)
ASTM D1761	Standard test methods for mechanical fasteners in wood

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ASTM D2395	Standard test methods for density and specific gravity (relative density) of wood and wood-based materials (except test methods C, D, E and F)
ASTM D2555	Standard practice for establishing clear wood strength values
ASTM D2559	Standard Specification for Adhesives for Bonded Structural Wood Products for Use Under Exterior Exposure Conditions
ASTM D3043	Standard test methods for structural panels in flexure (except method C)
ASTM D3044	Standard test method for shear modulus of wood-based structural panels
ASTM D3500	Standard test methods for structural panels in tension
ASTM D3501	Standard test methods for wood-based structural panels in compression (except test method A)
ASTM D3535	Standard Test Method for Resistance to Creep Under Static Loading for Structural Wood Laminating Adhesives Used Under Exterior Exposure Conditions
ASTM D3737	Standard practice for establishing allowable properties for structural glued laminated timber (glulam)
ASTM D4442	Standard test methods for direct moisture content measurement of wood and wood-based materials (except test method C)
ASTM D4761	Standard test methods for mechanical properties of lumber and wood-base structural material
ASTM D4933	Standard guide for moisture conditioning of wood and wood-based materials
ASTM D5055	Standard specification for establishing and monitoring structural capacities of prefabricated wood i-joists
ASTM D5456	Standard specification for evaluation of structural composite lumber products
ASTM D5572	Standard Specification for Adhesives Used for Finger Joints in Nonstructural Lumber Products
ASTM D5652	Standard Test Methods for Single-Bolt Connections in Wood and Wood-Based Products
ASTM D5664	Standard Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber
ASTM D5751	Standard Specification for Adhesives Used for Laminate Joints in Nonstructural Lumber Products
ASTM D5764	Standard test method for evaluating dowel-bearing strength of wood and wood-based products
ASTM D6815	Standard specification for evaluation of duration of load and creep effects of wood and wood-based products

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ASTM D7147	Standard specification for testing and establishing allowable loads of joist hangers
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings
ASTM E2126	Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings
CSA 0112.09	Evaluation of adhesives for structural wood products (exterior exposure) (except sections 5.5.3.4 and 5.7)
CSA 0112.10	Evaluation of adhesives for structural wood products (limited moisture exposure)
ICC ES AC14	Prefabricated wood I-joists (test methods referenced in section 4.2)
ICC ES AC47	Structural wood-based products (test methods referenced in section 3.0)
ICC ES AC124	Rim board products (test methods referenced in sections 3.0 and 4.0)
ICC ES AC191	Metal plaster bases (lath) (test methods referenced in sections 3.0 and 4.0)
ICC-ES AC202	Wood-Based Studs (test methods referenced in section 3.0, excluding section 3.6)
ICC ES AC233	Alternate dowel-type threaded fasteners (test methods referenced in section 4.0)
JAS 233	Japanese Agricultural Standard for Plywood Tests
JAS 1152	Japanese Agricultural Standard for Glulam Tests
MAFF Notification No. 238	(test methods 1, 2, 3, 4, 5, 6, 7 and 8) (February 27, 2003)
MAFF Notification No. 360	(March 27, 1987)
MAFF Notification No. 360	(only for test method 8)

APA: American Plywood Association

AITC: American Institute of Timber Construction

MAFF: Ministry of Agriculture, Forestry and Fisheries