



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **TESTING ENGINEERS, INC.**

2811 TEAGARDEN STREET  
SAN LEANDRO, CALIFORNIA 94577, U.S.A.

### **Testing Laboratory TL-168**

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 January 18, 2021



A handwritten signature in black ink, reading "Raj Nathan".

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## TESTING ENGINEERS, INC.

**Contact Name** Dan Watanabe

**Contact Phone** +1 (510) 835-3142

*Accredited to ISO/IEC 17025:2017*

*Effective Date January 18, 2021*

<b>CMT</b>	
1997 UBC Standard 21-6	In-place masonry shear tests
ASTM C39/C39M	Standard test method for compressive strength of cylindrical concrete specimens
ASTM C42/C42M	Standard test method for obtaining and testing drilled cores and sawed beams of concrete
ASTM C78/C78M	Standard test method for flexural strength of concrete (using simple beam with third-point loading)
ASTM C109/C109M	Standard test method for compressive strength of hydraulic cement mortars (using 2-in. or [50-mm] cube specimens)
ASTM C469/469M	Standard test method for static modulus of elasticity and Poisson's ratio of concrete in compression
ASTM C495/C495M	Standard test method for compressive strength of lightweight insulating concrete
ASTM C496/C496M	Standard test method for splitting tensile strength of cylindrical concrete specimens
ASTM C512/C512M	Standard test method for creep of concrete in compression
ICC-ES AC51	Precast stone veneer (test methods referenced in section 4.0)
ICC-ES AC125	Concrete and reinforced and unreinforced masonry strengthening using externally bonded fiber-reinforced polymer (FRP) composite systems (test method referenced in only sections 5.2, 5.4, 5.5.1, 5.5.2, 5.6, 5.7, 5.8 and 5.17)
ICC-ES AC434	Masonry and concrete strengthening using fiber-reinforced cementitious matrix (FRCM) composite systems (test methods referenced in sections 3, 4 and 5)
<b>Physical</b>	
AAMA 501.2	Quality assurance and diagnostic water leakage field check of installed storefronts, curtain walls and sloped glazing systems
ASTM C97/C97M	Standard test methods for absorption and bulk specific gravity of dimension stone
ASTM C99/C99M	Standard test method for modulus of rupture of dimension stone

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ASTM C157/C157M	Standard test method for length change of hardened hydraulic-cement mortar and concrete
ASTM C170/C170M	Standard test method for compressive strength of dimension stone
ASTM C567/C567M	Standard test method for determining density of structural lightweight concrete
ASTM D3039/D3039M	Standard test method for tensile properties of polymer matrix composite materials
ASTM D4444	Standard test method for laboratory standardization and calibration of hand-held moisture meters
ASTM D4761	Standard test methods for mechanical properties of lumber and wood-base structural material
ASTM D7565/D7565M	Standard test method for determining tensile properties of fiber reinforced polymer matrix composites used for strengthening of civil structures
ASTM E384	Standard Test Method for Microindentation Hardness of Materials
ASTM E783	Standard test method for field measurement of air leakage through installed exterior windows and doors
ASTM E1105	Standard test method for field determination of water penetration of installed exterior windows, skylights, doors, and curtain walls, by uniform or cyclic static air pressure difference
ASTM G115	Standard Guide for Measuring and Reporting Friction Coefficients
IAPMO EC038	Evaluation Criteria for Diaphragm Strengthening Using Fiber Reinforcing Polymers ("transfer across cold joint" sections" only) (Test Witnessing at TL-305 only)
ICC-ES AC38	Water-resistive barriers (test methods referenced in section 4.0)
ICC-ES AC125	Concrete and reinforced and unreinforced masonry strengthening using externally bonded fiber-reinforced polymer (FRP) composite systems ("diaphragm sections" only) (Test Witnessing at TL-305 only)
ICC-ES AC130	Prefabricated wood shear panels (test methods referenced in section 5.0)
<b>Structural</b>	
1997 UBC 21-7	Tests of anchors in unreinforced masonry walls
ANSI TPI 1	National design standard for metal plate connected wood truss construction (chapter 5)
ANSI/AWS D1.1	Structural welding code – steel (except RT)
ANSI/AWS D1.3	Structural welding code – sheet steel
ANSI/AWS D1.4	Structural welding code – reinforcing steel (except RT)
ANSI/AWS D1.6	Structural welding code – stainless steel (except RT)

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ANSI/AWS D1.8	Structural welding code – seismic supplement (except RT)
ASTM A370	Standard test methods and definitions for mechanical testing of steel products
ASTM A970/A970M	Standard specification for headed steel bars for concrete reinforcement
ASTM A1034/A1034M	Standard test methods for testing mechanical splices for steel reinforcing bars
ASTM A1061	Standard Test Method for Testing Multi-wire Steel Prestressing Strand
ASTM D1761	Standard test methods for mechanical fasteners in wood
ASTM D7147	Standard specification for testing and establishing allowable loads of joist hangers
ASTM E8	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E455	Standard Test Method for Static Load Testing of Framed Floor or Roof Diaphragm Constructions for Buildings
California Test Method 670	Method of tests for mechanical and welded reinforcing steel splices
CSA S347-14	Method of test for evaluation of truss plates used in lumber joints
ICC-ES AC13	Joist hangers and similar devices (test methods referenced in section 3.0)
ICC-ES AC116	Nails (test methods referenced in section 3.0)
ICC-ES AC118	Tapping screw fasteners (test methods referenced in sections 3.0 and 4.0)
ICC-ES AC120	Wood-frame horizontal diaphragms, vertical shear walls and braced walls with alternative fasteners (test methods referenced in section 4.0)
ICC-ES AC155	Hold-downs (tie-downs) attached to wood members (test methods referenced in section 4.0)
ICC-ES AC201	Staples (test methods referenced in section 3.0)
ICC-ES AC233	Alternate dowel-type threaded fasteners (test methods referenced in section 4.0)
ICC-ES AC257	Corrosion-resistant fasteners and evaluation of corrosion effects of wood treatment chemicals (test methods referenced in section 4.0 (except section 4.2))
ICC-ES AC261	Connectors used with cold-formed steel structural members (test methods referenced in sections 3.0 and 4.0)
ICC-ES AC316	Shrinkage compensating devices (test methods referenced in sections 3 and 4)
ICC-ES AC398	Cast-in-place cold-formed steel connectors in concrete for light-frame construction (test methods referenced in sections 3.0 and 4.0)
ICC-ES AC399	Cast-in-place proprietary bolts in concrete for light-frame construction (test methods referenced in sections 3.0 and 4.0)

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*AAMA: American Architectural Manufacturers Association*

*AWS: American Welding Society*

*CSA: Canadian Standards Association*

*UBC: Uniform Building Code*