CERTIFICATE OF ACCREDITATION

This is to attest that

SMITH-EMERY LABORATORIES, INC.

781 EAST WASHINGTON BOULEVARD
LOS ANGELES, CALIFORNIA 90021, U.S.A

Testing Laboratory TL-191

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 May 1, 2023

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

SMITH-EMERY LABORATORIES, INC.

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Accredited to ISO/IEC 17025:2017 *Effective Date May 1, 2023*

CMT	
ASTM C39/C39M	Standard test method for compressive strength of cylindrical concrete specimens
ASTM C138/C138M	Standard test method for density (unit weight), yield, and air content (gravimetric) of concrete
ASTM C140/C140M	Standard test methods for sampling and testing concrete masonry units and related units
ASTM C143/C143M	Standard test method for slump of hydraulic-cement concrete
ASTM C511	Standard specification for mixing room, moist cabinets, moist rooms, and water storage tanks used in the testing of hydraulic cements and concretes
ASTM C617	Standard Practice for Capping Cylindrical Concrete Specimens
ASTM C947	Standard Test Method for Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam With Third-Point Loading)
ASTM D1037	Standard Test Method for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials (Section 15)
Specimens	
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4829	Standard Test Method for Expansion Index of Soils
ICC ES AC155	Hold-downs (tie-downs) attached to wood members (test methods referenced in sections 3.0 and 4.0)
ICC ES AC170	Shear reinforcement devices in structural concrete (test methods referenced in section 3.0)
ICC ES AC347	Headed deformed bars (test methods referenced in sections 3.0 and 4.0)
ICC ES AC362	Adhesives for masonry construction (test methods referenced in sections 3.0 and 4.0 (excluding sections 4.5, 4.7 and 4.10)
Physical	

ASTM C482	Standard test method for bond strength of ceramic tile to Portland cement paste
ASTM D570	Standard test method for water absorption of plastics
ASTM D638	Standard test method for tensile properties of plastics
ASTM D695	Standard test method for compressive properties of rigid plastics
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D882	Standard test method for tensile properties of thin plastic sheeting
ASTM D2240	Standard test method for rubber property—durometer hardness
ASTM D3039/D3039M	Standard test method for tensile properties of polymer matrix composite materials
ASTM D4541	Standard test method for pull-off strength of coatings using portable adhesion testers
ASTM E2126	Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings
FM 1950	Seismic sway braces for pipe, tubing and conduit [section 4.2 – cyclic testing (component testing) and section 4.3 – cyclic tests (assembly testing)]
Structural	
ASCE 19-96	Standard guidelines for the structural applications of steel cables for buildings
ASTM A370	Standard test methods and definitions for mechanical testing of steel products
ASTM A416/A416M	Standard specification for low-relaxation, seven-wire steel strand for prestressed concrete
ASTM A615/A615M	Standard specification for deformed and plain carbon-steel bars for concrete reinforcement
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 C627	Standard test method for evaluating ceramic floor tile installation systems using the Robinson-type floor tester
ASTM E18	Standard test methods for Rockwell hardness of metallic materials
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
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 F606	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets
California Test 670	Method of test for mechanical and welded reinforcing steel splices, Excluding Section F, Supplementary Tests for Prequalification Approval
ICC ES AC16	Plastic glazed skylights (test methods referenced in sections A3.0 and A4.0)
ICC ES AC43	Steel deck roof and floor systems (test methods referenced in section 4)
ICC ES AC129	Steel moment frame connection systems [test methods referenced in section 4.0) load limited to 500 kips)]
ICC ES AC133	Mechanical splice systems for steel reinforcing bars [test methods referenced in sections 3.0 and 4.0 of (excluding annex 4.0)]
ICC ES AC230	Power-actuated fasteners for shear wall assemblies constructed with cold-formed steel framing and wood structural panels (test methods referenced in section 3.0)
ICC ES AC276	Segmental retaining walls (test methods referenced in section 3.2 and 3.3)
ICC ES AC390	Wall panels with a welded steel perimeter frame used in agricultural storage structures (test methods referenced in section 3.5)

ASCE: American Society of Civil Engineers

FM: Factory Mutual

UBC: Uniform Building Code