



CERTIFICATE OF ACCREDITATION

This is to attest that

HAYRE MCELROY & ASSOCIATES, LLC

9644 153RD AVENUE NORTHEAST
REDMOND, WASHINGTON 98052, U.S.A.

Testing Laboratory TL-328

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.

Expiration Date February 1, 2025

Effective Date May 4, 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

HAYRE MCELROY & ASSOCIATES, LLC

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Contact Name Gee Hayre

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Accredited to ISO/IEC 17025:2017

Effective Date May 4, 2023

CMT	
ASTM C29/C29M	Standard test method for bulk density ("unit weight") and voids in aggregate
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 C192/C192M	Standard practice for making and curing concrete test specimens in the laboratory
ASTM C617/C617M	Standard practice for capping cylindrical concrete specimens
ASTM C780	Standard test method for preconstruction and construction evaluation of mortars for plain and reinforced unit masonry (excluding Annexes A1-A6)
ASTM C1019	Standard test method for sampling and testing grout
ASTM C1231/C1231M	Standard practice for use of un-bonded caps in determination of compressive strength of hardened cylindrical concrete specimens
ASTM C1314	Standard test method for compressive strength of masonry prisms
ASTM C1385/C1385M	Standard practice for sampling materials for shotcrete
ASTM D2922	Standard test methods for density of soil and soil aggregate in place by nuclear methods (shallow depth)
ASTM E329	Test methods referenced under concrete inspection and testing (limited to ASTM standards C31, C39, C40, C117, C127, C128, C136, C138, C142, C143, C172, C231, C1064 and C1077), under masonry inspection and testing, and under soils and rock inspection and testing (limited to ASTM standard D3740)
ASTM E448	Standard practice for scleroscope hardness testing of metallic material
ASTM F1869	Standard test method for measuring moisture vapor emission rate of concrete subfloor using anhydrous calcium chloride
ASTM F2170	Standard test method for determining relative humidity in concrete floor slabs using in situ probes
Physical	

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ASTM E114	Standard practice for ultrasonic pulse-echo straight-beam contact testing
ASTM E164	Standard practice for contact ultrasonic testing of weldments
ASTM E605/E605M	Standard test methods for thickness and density of sprayed fire-resistive material (SFRM) applied to structural members
ASTM E329	Test methods referenced under sprayed fire resistive inspection and testing (limited to ASTM standard E736) and under steel inspection and testing
UBC Standard 7-6	Thickness and density determination for spray-applied fireproofing

UBC- Uniform Building Code