



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Wiss, Janney, Elstner Associates, Inc.
330 Pfingsten Road
Northbrook, Illinois 60062

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Leonard', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 22 April 2022

Certificate Number: AT-2564



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Wiss, Janney, Elstner Associates, Inc.

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 Northbrook, Illinois 60062
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TESTING

Valid to: **April 22, 2022**

Certificate Number: **AT-2564**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Chemical Analysis	ASTM A239, B748, C114, C150, C233, C260, C289, C311, C494, C595, C618, C876, C1017, C1084, C1152, C1218, C1240, C1324, C1602, C1702, D512, D516, E31, E34, E53, E70, E106, E350, E351, E352, E353, E415, E478, E536, E1019, E1024, E1086, E1251, E1252, E1508; AASHTO T26	Admixture, Aggregate, Anchors, Brick, Cement, Clay, Concrete, Concrete Masonry Unit (CMU), Epoxy, Fasteners, Fiber, Fly Ash, Grout, Metals, Mortar, Pozzolans, Rebar, Semi-Finished and Finished Components, Slate, Silica Fume, Steel, Stone, Tile, Water	Atomic Absorption (AA), Energy Dispersive Spectroscopy (EDS), LECO, Optical Emission Spectroscopy (OES), Scanning Electron Microscopy (SEM)



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Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Chemical Analysis	ASTM C114, C233, C289, C1017, C1084, C1152, C1218, C1324, D512, D516, E31, E34, E53, E70, E350, E351, E352, E353, E415, E478, E536, E1019, E1024, E1086, E1251, E1252; AASHTO T26	Admixture, Aggregate, Anchors, Brick, Cement, Clay, Concrete, Concrete Masonry Unit (CMU), Epoxy, Fasteners, Fiber, Fly Ash, Grout, Metals, Mortar, Pozzolans, Rebar, Semi-Finished and Finished Components, Slate, Silica Fume, Steel, Stone, Tile, Water	Alkali-Silica Reaction (ASR), Atomic Absorption (AA), Chloride, Infrared Spectra, LECO, Optical Emission Spectroscopy (OES), pH, Sulfur
Corrosion Analysis	ASTM C876	Steel in Concrete	Half-Cell, Copper-Sulfate Reference Electrode
Fenestration Testing	ASTM E330, E331	Curtain Walls, Doors, Skylights, Windows	
Material Characterization and Evaluation	ASTM A90, A247, A309, A428, C33, C40, C126, C144, C150, C260, C294, C311, C404, C406, C494, C511, C595, C618, C637, C1077, C1157, C1240, C1602, E45, E53, E112, F606, F710, F788, F812, F1869, F2170, F2659, G154; SAE J123	Admixture, Aggregate, Anchors, Brick, Cement, Clay, Concrete, Concrete Masonry Unit (CMU), Epoxy, Fasteners, Fiber, Fly Ash, Grout, Metals, Mortar, Pozzolans, Rebar, Semi-Finished and Finished Components, Slate, Silica Fume, Steel, Stone, Tile, Water	Cement and Concrete Performance, Consulting, Durability, Moisture Testing, Product Development
Moisture Testing	ASTM C1498, C1794, E96, F1869, F2170, F2659	Brick, Ceramic, Concrete, Concrete Masonry, Gypsum, Insulation, Membranes, Slate, Stone, Wood	Hygrothermal, Sorption, Water Absorption Coefficient, Water Vapor Transmission, WUFI
Petrographic and Microscopic Examination	ASTM A90, A309, A428, B487, B748, C295, C457, C856, C1084, C1324, C1723, E2809	Admixture, Aggregate, Anchors, Brick, Cement, Clay, Concrete, Concrete Masonry Unit (CMU), Epoxy, Fasteners, Fiber, Fly Ash, Grout, Metals, Mortar, Pozzolans, Rebar, Semi-Finished and Finished Components, Slate, Silica Fume, Steel, Stone, Tile, Water	Air-Void Analysis, Coating Thickness, Paint, Scanning Electron Microscope (SEM)



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Construction Materials

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Physical Testing	ASTM A239, C29, C31, C39, C42, C67, C68, C78, C109, C117, C123, C125, C127, C128, C136, C138, C140, C143, C151, C157, C172, C185, C187, C188, C191, C192, C204, C231, C233, C293, C305, C311, C403, C426, C430, C469, C490, C496, C512, C617, C666, C702, C1012, C1038, C1064, C1260, C1293, C1437, C1567, C1581, C1583, D75; ICC-ES AC32, AC51; ICRI 210.3R	Admixture, Aggregate, Anchors, Brick, Cement, Clay, Concrete, Concrete Masonry Unit (CMU), Epoxy, Fasteners, Fiber, Fly Ash, Grout, Mortar, Pozzolans, Rebar, Slate, Silica Fume, Steel, Stone, Tile, Water	Absorption, Air Content, Autoclave Expansion, Compressive Strength, Creep, Cyclic Testing, Density, Durability, Fineness, Flexural Strength, Freeze and Thaw, Length Change, Metallic Coating, Modulus of Elasticity (MoE), Poisson's Ratio, Scanning Electron Microscope (SEM), Shrinkage, Sieve Analysis, Slump, Specific Gravity, Temperature, Tensile Strength, Voids, Yield
Thermal Analysis	ASTM C1679, C1702, C1872, D3418, D3895, D6370, D6382, D6580, E793, E794, E928, E1131, E1269, E1356, E1641, E1868, E1877, E2160, E2550	Admixture, Aggregate, Brick, Cement, Clay, Concrete, Epoxy, Grout, Mortar, Supplementary Cementitious Materials, Polymers, Polymer-Based Construction Materials	Calorimetry, Differential Scanning Calorimetry, Heat of Hydration, Thermogravimetric Analysis

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Hardness Testing	ASTM A370, B294, E18, E140, E384, F606	Metals, Fasteners, Raw Materials, Semi-Finished and Finished Components	Leica and Leco Microhardness Testers, Wilson Rockwell Hardness Testers

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Metallography	ASTM A262 (Practice A), A604, B487, B748, E3, E112, E45, E340, E381, E407, E1077, E1268, F788, F812; SAE J123, J419, J423	Metals, Fasteners, Raw Materials, Semi-Finished and Finished Components	Banding/Orientation of Microstructures and Microstructural Identifications, Case Depth, Corrosion Evaluations, Depth of Decarburization, Discontinuities, Failure Analysis, Failure Mode Determination, Fractography, Grain Size (Comparison), Inclusion Ratings, Intergranular Susceptibility (Corrosion), Macroetch, Metallographic Preparation, Microetch, Plating Thickness,
Structural and Strength Testing	ANSI/AWS Standard D1.4; ASTM A370, A421, A615, A648, A706, A767, A775, A881, A955, A970, A996, A1034, A1035, A1044, A1061, A1081, B209, B557, C297, C393, D638, D695, D732, D790, E8, E72, E328, E488, E564; California Test 670; ICC-ES AC01, AC32, AC58, AC70, AC106, AC133, AC193, AC269, AC303, AC308, AC347, AC395, AC447 (except section 4.4.8); BS 4449:2005+A3, BS 8539, BS 8597, BS EN ISO 6892-1, BS EN 13391, BS EN ISO 15630-1, BS EN ISO 15630-2, BS EN ISO 15630-3, ISO 15698-1, ISO 15698-2, ISO 15835-1, ISO 15835-2, ISO 15835-3, EAD 160004, EAD 330232, TR048	Anchors, Fasteners, Fiber, Pipe, Plastic, Rebar, Slate, Steel, Prestressing Steel, Rebar Couplers, Headed Rebars	Compression, Flexure, Relaxation, Shear, Tension

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2564.



R. Douglas Leonard Jr., VP, PILR SBU

