CERTIFICATE OF RECOGNITION

This is to signify that

Dextra Manufacturing Co., Ltd. Laboratory
128 Soi Chaloem Phra Kiat Rama IX Soi 48, Dok Mai, Prawet, Bangkok, Thailand
is recognized by IAPMO Uniform Evaluation Service, LLC as an In-House Testing Laboratory
Lab No. IHL-1002 Issued June 14, 2021. Valid through June 30, 2023

IAPMO Uniform Evaluation Service, LLC agrees to accept reports prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Recognition Agreement. The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025:2017 as referenced in Clause 6.2 of ISO/IEC 17065:2012, and has been verified as capable of performing tests in the following categories:

Concrete Reinforcement | Connectors

IAPMO Uniform Evaluation Service, LLC will accept from the Laboratory only reports of testing conducted under the direct control and supervision of employees of the Laboratory.

This certificate is subject to the conditions set forth by IAPMO Uniform Evaluation Service, LLC. Any alteration of falsification of this certification may constitute grounds for delisting of the Laboratory. Reproduction of this certification, in whole or in part, for advertising purposes without the expressed written permission of IAPMO Uniform Evaluation Service, LLC is strictly prohibited.

Brian Gerber, *Vice President, Technical Operations*

Jerry Carrier, *Senior VP UES/IBT*

Originally Issued: June 14, 2021

Valid Through: June 30, 2023

IAPMO UNIFORM EVALUATION SERVICE, LLC

4755 E. PHILADELPHIA STREET ● ONTARIO, CALIFORNIA 91761 ● USA
www.uniform-es.org

Laboratory Certificate
APPENDIX "A"

Dextra Manufacturing Co., Ltd. Laboratory
128 Soi Chaloem Phra Kiat Rama IX Soi 48, Dok Mai, Prawet, Bangkok, Thailand
Lab No. IHL-1002 Issued June 14, 2021. Valid through June 30, 2023
List of Recognized Test Methods

ACI 349, Code Requirements for Nuclear Safety-Related Concrete Structures and Commentary	Strain, Section 12.14.3.7
ASME Boiler and Pressure Vessel Code (BPVC)	Strain, Section III, Division 2, Section 3232(e) Cyclic Tensile Tests, Section III, Division 2, Section 4333.2.3(b)
ASTM A370, Standard Test Methods and Definitions for Mechanical Testing of Steel Products	Tension Test, Bar Products, Tubular Products, and Steel Reinforcing Bars
ASTM A1034, Standard Test Methods for Testing Mechanical Splices for Steel Reinforcing Bars	Monotonic Tension Test, Slip Test.
ASTM E8, Standard Test Methods for Tension Testing of Metallic Materials	Tension Test, Round Bars and Tubular Products
ASTM E18, Standard Test Methods for Rockwell Hardness of Metallic Materials	Rockwell Hardness Test
California Test 670, Method of Tests for Mechanical and Welded Reinforcing Steel Splices	Slip Test, Tensile Test, and Cyclical Test in Tension
IAPMO UES EC-006, Evaluation Criteria for Mechanically Anchored Deformed Reinforcement Bars in Tension	Tensile Test
ICC-ES AC133, Acceptance Criteria for Mechanical Splice Systems for Steel Reinforcing Bars	Static Tension and Compression, Cyclic Tension and Compression
ICC-ES AC347, Acceptance Criteria for Headed Deformed Bars	Cyclic Tension Followed by Monotonic Tension, Head Rigidity
ISO 6508-1, Metallic materials — Rockwell hardness test. Part 1: Test Method	Rockwell Hardness
ISO 6892-1, Metallic Materials — Tensile testing. Part 1: Method of Test at Room Temperature	Tensile Test, , Round Bars and Tubular Bars
ISO 15630-1, Steel for the reinforcement and prestressing of concrete — Test methods. Part 1: Reinforcing bars	Tensile Test,
ISO 15698-2, Steel for the reinforcement of concrete — Headed bars. Part 2, Test Methods	Anchorage Capacity under Static Loading, Section 5.7

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	Wedge Tensile Test, Section 6.2
ISO 15835-2, Steels for the reinforcement of concrete — Reinforcement couplers for mechanical splices of bars. Part 2: Test methods	Tensile Test, Section 5.3 Slip Test, Section 5.4 Alternating tension and compression test of high stresses in the mechanical splice, Section 5.6.1 Alternating tension and compression test of large strains in the mechanical splice, Section 5.6.2