International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

APEC ENGINEERING & LABORATORY, LLC

201A COUNTY ROAD 138
HUTTO, TEXAS 78634

Testing Laboratory TL-515

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing March 16, 2015, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President, Chief Technical Officer

C. P. Ramani, P.E.
President

(see attached scope of accreditation for fields of testing and accredited test methods)

Print Date: 4/16/2015

11-04577

International Accreditation Service

SCOPE OF ACCREDITATION

APEC Engineering & Laboratory, LLC TL-515

APEC Engineering & Laboratory, LLC
201A County Road 138
Hutto, Texas 78634

Matt B. Phelps, P.E.
Technical Manager
(512) 989-9805

FIELDS OF TESTING	ACCREDITED TEST METHODS
Building Envelope Testing (Structural)	ASTM Standards C 1153, Standard Practice for Location of Wet Insulation in Roofing Systems Using Infrared Imaging; C 1060, Standard Practice for Thermographic Inspection of Insulation Installations in Envelope Cavities of Frame Buildings; E 72, Standard Test methods of Conducting Strength Tests of Panels for Building Construction; E 1105, 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; and E1886 Standard Test Method for Performance of Exterior Windows, Curtain walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
Physical Assessment of Roofs (In-situ)	APEC Standards TM0004 (LWC Fastener Extraction); TM0006 (Shingle Roof Physical Assessment); TM0007 (Moisture Assessment); TM0008 (Metal Roof Physical Assessment); TM0009 (Flat Roof Physical Assessment); and TM0025 (Tile Roof Physical Assessment).
Roof Covering Systems	ASTM Standards D 1761 (Sections 1-12 and 41 only), Standard Test Methods for Mechanical Fasteners in Wood; D 6381, Standard Test Method for Measurement of Asphalt Shingle Mechanical Uplift Resistance; D 7158, Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift force/Uplift Resistance Method); and E 907 Standard Test Method for Field Testing Uplift Resistance of Adhered Membrane Roofing Systems.

March 16, 2015
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President