

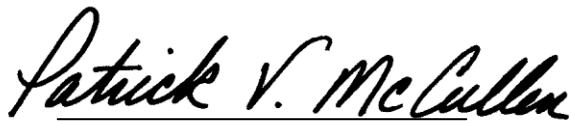
International Accreditation Service  
**CERTIFICATE OF ACCREDITATION**

*This is to signify that*

**TRINITY | ERD**  
10 MAUNEY COURT  
COLUMBIA, SOUTH CAROLINA 29201

Testing Laboratory TL-199  
(Revised October 11, 2011)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing December 13, 2010, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen  
Vice President



C. P. Ramani, P.E.  
President



Print Date: 12/13/2011

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

*This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.  
See the IAS Accreditation Listings on the web at [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 364-8201.*

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International Accreditation Service  
**SCOPE OF ACCREDITATION**

Trinity| ERD TL-199  
 (Revised October 11, 2011)

Trinity|ERD  
 10 Mauney Ct.  
 Columbia, SC 29201

Charles Phillips  
 Laboratory Manager  
 (803) 988-8133

FIELDS OF TESTING	ACCREDITED TEST METHODS
Roofing systems, roof underlayment, weather resistive materials and flashing materials	ASTM Standards C 120, C 121, C 127, C 217, C 273, C 365, C 393, C 406, D 5206, D 5385, E 96, E 907 and E 2178; Dade County Protocols TAS 101, 102, 102(A), 103, 104, TAS 105, 110 [Section 8 only (see scope under Physical Properties for exceptions to individual standards covered by Section 8 of TAS 110)] and 114, TAS 122; 1997 UBC Standards 14-1 and 15-6; SBCCI Standard SSTD 11-99; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC165, AC188, Sections 4.1, 4.2, 4.3, 4.4 and 4.7 of ICC-ES Acceptance Criteria AC209, Section 4.0 of ICC-ES Acceptance Criteria AC38, AC48, AC75 (except Section 4.4.), AC148, and AC160, Section 6.0 of ICC-ES Acceptance Criteria AC08 and Sections 6.4, 6.5, 6.6 and 6.8 of ICC-ES Acceptance Criteria AC24; FM Standards 4454 (Appendix D) and 4470 (Appendices C, D, F, G and K)
Roof tiles	ASTM Standard C 1167; 1997 UBC Standard 15-5; Test methods referenced in Sections 3.1 (not ASTM D 2856), 3.2.1, 3.2.6, 3.4.2, 3.4.3 and 3.4.5 of ICC-ES Acceptance Criteria AC152 and Section 4.0 of ICC-ES Acceptance Criteria AC180
Roof vents	Test methods referenced in Sections 5.1 and 5.3 of ICC-ES Acceptance Criteria AC132

December 13, 2010  
 Commencement Date



*C. P. Ramani*  
 C. P. Ramani, P.E.  
 President

Print Date: 12/13/2011

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Nails and fasteners	ASTM Standards D 1037 [Sections 21 through 33 (tension)], 34 through 40 (Compression), and 41 through 67 (Fastener Values) and D 1761; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria; Miami-Dade County Protocol TAS 117(A)
Physical properties	ASTM Standards C 79, C 165, C 203, C 209, C 272, C 297, C 303, C 578 (except Thermal resistance and Flame spread), C 728 (except Thermal resistance and Flame spread), C 836, C 957, C 1442 (Sections 7.2 and 7.3 only), C 1519 (Section 6.5 only), D 5, D 36, D 146, D 228, D 412, D 471, D 570, D 573, D 618, D 624, D 638, D 751, D 816, D 904, D 1004, D 1204, D 1261, D 1621, D 1622, D 1623, D 1790, D 1922, D 1970, D 2126, D 2136, D 2137, D 2178, D 2247, D 2565, D 3045, D 3330, D 3451 (Sections 34.2.3 and 34.2.4), D 3462, D 3909, D4434, D 4459, D 4601, D 4637 (excluding Section 8.14), D 4798, D 4869, D 4897, D 5147, D 5206, D 5602, D 5635, D 6083, D 6162, D 6163, D 6164, D 6222, D 6223, D 6298, D 6695, D 6754 and D 6878 (except Section 7.8); AAMA Standard 711
Masonry screws	ASTM Standard E 488 (Tension and shear only)
Environmental exposure	ASTM Standards C 1442 (Sections 7.2 and 7.3 only), C 1519 (Section 6.5 only), D 2126, D 2898 (Method A only), D 4799, G 26, G 154 and G 155
Windows, Doors and/or Wall cladding	ASTM Standards D 5206, E 283, E 330, E 331, E 547, E 1105 and E 2357; AAMA Standards 502 and 711

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*C. P. Ramani*  
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