Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURSCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that CEL Consulting, Inc. located at 534 23rd Ave., Oakland, CA 94606 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

International Accreditation Services, Inc.
Certificate of Accreditation TL-173
International Accreditation Services, Inc.
Certificate of Accreditation AA-639

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Lee Mattis, P.E.

This Certification and Registration Approved: **November 3, 2016**
This Certification and Registration Expires : **October 14, 2021**

Certification No. : **16-1013.01** *Renews: 11-0824.03*

Helmy A. Makar, P.E.,M.S.
Product Control Section Supervisor
Product Control Section

Americo Segura, M.S.
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

CEL CONSULTING, INC.
534 23RD AVENUE
OAKLAND, CALIFORNIA 94606

Testing Laboratory TL-173
(Revised November 24, 2015)

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 November 6, 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

ACCREDITED

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

Print Date: 12/1/2015

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 for current accreditation information, or contact IAS directly at (562) 364-8201.

11-04577

International Accreditation Service

SCOPE OF ACCREDITATION

CEL Consulting, Inc. TL-173
(Revised November 24, 2015)

CEL Consulting, Inc.
534 23rd Avenue
Oakland, California 94606

Jay Dorst, P.E.
President
(510) 436-7626

FIELDS OF TESTING	ACCREDITED TEST METHODS
Concrete Anchors	Test methods referenced in Section 5.0 of ICC-ES Acceptance Criteria AC01 (except Section 5.7), Section 4.0 of AC58, Sections 3.0 and 4.0 of AC 60, Section 4.0 of AC70, and Section 4.0 of AC106 (except Section 4.7), Sections 4.0 and 5.0 of AC116, Section 4.0, Tables 4.1, 4.2 and 4.3 of AC193 (except Method B Embrittlement Tests), Section 3.0 (except Sections 3.1 and 3.4) and 4.0 of AC 232, Section 4.0, Tables 3.1 to 3.8 of AC308, Sections 3.0 and 4.0 of AC 395, Sections 3.0 and 4.0 of AC 398 and Sections 3.0 and 4.0 of AC 399, and Section 4.0 of AC 446; ASTM Standards E 488, E 1190 and E 1512; ETAG 001; ACI 355.2; ACI 355.4; FM 1950
Steel	ASTM Standards A 370 (except Section 19), A 416, A 615, A 970 (except Section 6.4), A 1034, E 18, E 384 and F 606; California Test 670; Test methods referenced in Section 4.0 of AC118 ANSI/AWS Standards D1.1, D1.3, D1.4, D1.5, D1.6, and D1.8.
Polymer Matrix Composite Materials	ASTM Standard D 3039
Concrete	ASTM Standard C 39
Wood Fasteners	ASTM Standards D1761, D2395, D4442 (Method B), D7147, E72, E2126. Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC316 and Sections 3.0 and 4.0 of AC 233; Test methods referenced in Sections 4.0 and 5.0 of AC120 and AC130. Test methods referenced in Section 3.2 of ICC-ES Acceptance Criteria AC13; Test methods referenced in Section 4.0 of AC155; Test methods referenced in AC04; Test methods referenced in Section 3.0 of AC283

November 6, 2015
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 12/1/2015

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 for current accreditation information, or contact IAS directly at (562) 364-8201.

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

CEL CONSULTING, INC
534 23RD AVENUE
OAKLAND, CALIFORNIA 94606

Inspection Agency AA-639
Type A (Third-Party) Inspection Body

has met the requirements of the IAS Accreditation Criteria for Inspection Agencies (AC98), has demonstrated compliance with ISO/IEC Standard 17020:2012, Conformity assessment - *Requirements for the operation of various types of bodies performing inspection* , and has been accredited, commencing September 30, 2015, to provide inspection services in the approved scope of accreditation.

Patrick V. McCullen
Vice President, Chief Technical Officer

C. P. Ramani, P.E.
President

ACCREDITED

(see attached scope of accreditation for field(s) of inspection, including type, range, methods or procedures)

Print Date: 10/12/2015

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 for current accreditation information, or contact IAS directly at (562) 364-8201.

11-04576

International Accreditation Service

SCOPE OF ACCREDITATION

CEL Consulting, Inc. AA-639
Type A (Third-Party) Inspection Body

CEL Consulting, Inc.
534 23rd Ave.
Oakland, CA 94606

Jay Dorst, P.E.
President
(510) 436-7626

FIELDS OF INSPECTIONS	TYPE AND RANGE OF INSPECTIONS	INSPECTION METHODS AND PROCEDURES
Expansion Anchors, Mechanical Anchors, Adhesive Anchors and Pre-drilled Fasteners (Screw Anchors)	In-plant	CEL Inspection Procedures IP01 and IP02; CEL Mechanical Anchor Inspection Checklist CSL 067; CEL Adhesive Anchor Inspection Checklist CSL 068; ICC-ES Acceptance Criteria AC01, AC58, AC106, AC193 and AC308
Manufacturing in Fields Specified Above	Initial or Periodic In-plant	ICC-ES Acceptance Criteria AC304

September 30, 2015
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 10/12/2015

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 for current accreditation information, or contact IAS directly at (562) 364-8201.

11-04680