August 1, 2008

TO: **PARTIES INTERESTED IN ADHESIVE ANCHORS IN CONCRETE ELEMENTS**

SUBJECT: Proposed Revisions to the ICC-ES Acceptance Criteria for Adhesive Anchors in Concrete Elements, Subject AC308-0808 (BG/ME)

Dear Madam or Sir:

The revisions proposed to the subject acceptance criteria, as presented in this letter, are being posted on the ICC-ES web site to allow for public comment. The proposal is based on the enclosed letter issued May 6, 2008, from Simpson Strong-Tie Anchor Systems. The revisions include:

> **6.3 Exposure:** When anchors are recognized for exterior exposure or damp environments, evidence of durability shall be submitted. The steel shall be corrosion-resistant, stainless, or zinc-coated steel. The zinc coating ~~on the threaded rod~~ shall be either hot-dipped in accordance with ASTM A 153 Class C or D or mechanically deposited in accordance with ASTM B 695 with a Class 65 coating having a minimum thickness of 2.1 mils (0.053 mm). Other corrosion-resistant coatings shall be demonstrated through tests to be equivalent to the coatings previously described. In addition, the corrosion-resistant materials shall be tested for conformance to the specified standards.

The reasons for this change are 1) the steel element may be of other configurations, such as concrete reinforcing bars; and 2) other specifications for corrosion-resistant coatings are available.

Similar language on exposure exists in Section 3.1 of the ICC-ES Acceptance Criteria for Mechanical Anchors in Concrete Elements (AC193). The change is needed to allow for various steel types feasible under AC308 to be provided with compatible coatings.
You are cordially invited to submit written comments, within 30 days of the date of this letter. Please use the comment form on the web site attaching any letters to the form. An explanation of the alternate criteria process can be found on our web site at http://www.icc-es.org/Criteria_Development/alternative_criteria_process.shtml.

All comments received in the 30-day comment period will be considered. During this same 30-day period, however, the draft criteria will be balloted to the Evaluation

Committee. If the public comments raise major issues, generate controversy, or require the criteria to be substantially rewritten, then ICC-ES staff may decide to reballot the criteria; or place a revised draft on the web site for further public comment; or put the criteria on the agenda for a future Evaluation Committee meeting.

Correspondence received and a memo outlining staff's resolution of the comments in the correspondence will be posted on the web site shortly after the close of the comment period.

Your cooperation is requested in forwarding to the Los Angeles business/regional office all material directed to the Evaluation Committee. Parties interested in the deliberations of the committee should refrain from communicating, whether in writing or verbally, with committee members. The committee reserves the right to refuse communications that do not comply with this request.

Newly approved acceptance criteria may involve test methods or test protocols that are not currently included in the scope of testing services offered by accredited testing laboratories. As noted in the ICC-ES Rules of Procedure for Evaluation Reports, the scope of the laboratory's accreditation must include the type of testing that is to be reported to ICC-ES. We encourage accredited laboratories to expand their scopes of accreditation to include testing under newly approved acceptance criteria. Please note that testing laboratories must be accredited by the International Accreditation Service (IAS) or by another accreditation body that is a signatory to the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement. For further information, please contact IAS at (562) 699-0541, extension 3309, or send an e-mail to pmccullen@iasonline.org.

Please submit all comments using the form on the web site. Attach any letters to the comment form. If you have any questions (not comments), please contact the undersigned at (800) 423-6587, extension 3260, or Mahmut Ekenel, staff engineer, at extension 3260. You may also reach us by e-mail at es@icc-es.org.

Yours very truly,

Brian Gerber
Principal Structural Engineer

BG/raf

Enclosure

cc: Evaluation Committee

May 6, 2008

Mr. Brian Gerber, S.E.
Principal Structural Engineer
ICC Evaluation Service, Inc
5360 Workman Mill Road
Whittier, CA 90601

RE: Proposed revision to Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements AC308, Section 6.3

Dear Mr. Gerber:

As we discussed a short time ago, the current language in Section 6.3 of AC308 is quite limiting when compared to the language in Section 3.1 of AC193. AC193 permits the anchor to be produced from steel that is coated with a corrosion resistant coating provided that the coating is demonstrated through tests to be equivalent to ASTM A153 Class C or D or to ASTM B695 with a Class 65 coating. This option for a corrosion resistant coating other than zinc needs to be added to AC308.

Therefore, the following language is suggested as a replacement for current language in Section 6.3 of AC308:

> **6.3 Exposure:** When anchors are recognized for exterior exposure or damp environments, evidence of durability shall be submitted. The steel shall be corrosion-resistant, stainless, or zinc-coated steel. The zinc coating shall be either hot-dipped in accordance with ASTM A 153 Class C or D or mechanically deposited in accordance with ASTM B695 with a Class 65 coating having a minimum thickness of 2.1 mils (0.053 mm). Corrosion resistant coatings shall be demonstrated through tests to be equivalent to the coatings previously described.

Due to the timing and nature of this requested change, we politely request that this change can be handled via the June Alternative Criteria Process.

Thank you in advance and please let me know if you have any questions.

Sincerely,

Chris La Vine
Sr. Anchor Systems Engineer