



September 10, 2008

Kurt Stochlia, P.E.  
Vice President  
ICC Evaluation Service  
5360 Workman Mill Road  
Whittier, CA 90601

**RE: Proposed Acceptance Criteria for Cast-in-place Proprietary Bolts in Concrete for Light-frame Construction, Subject AC 399-0808-R2**

Dear Mr. Stochlia:

Thank you for the opportunity to comment on the proposed revisions to AC 399. Our staff has reviewed the proposed criteria and we have some suggestions, mostly editorial, relative to the proposed methodology.

I have listed our suggestions below next by section number:

**Section 1.4.1 –**

The phrase “cold-formed steel connector” is used; we believe this should be “proprietary steel bolt”.

**Section 1.4.5 –**

Title would probably better read, “proprietary concrete breakout strength”; This section addresses the concrete strength not the steel strength.

**Section 1.4.6 –**

Title would probably better read, “proprietary concrete pullout strength”; This section addresses the concrete strength not the steel strength.

**Section 3.4.2 –**

The equation for anchorage strength suggests the intended use is for tension/compression capacity only. If that is the intent, it should be specifically stated in the purpose and scope in section 1.0. If this is not the intent, combined shear and tension or compression loads should be addressed.

**Section 3.4.1.2 –**

Should the phrase, “from which the tested proprietary bolt” be deleted? This phrase may be left over from a previous edit.

**Section 3.4.2.1 (Rs definition) –**

Section callout should read ‘Section 3.3.1’.

**Section 4.1.2 –**

Section callout should read ‘Section 3.1.2’.

**Section 4.1.4 –**

Section callout should read ‘Section 1.4.5 and Section 1.4.6’.

**Section 4.2.1 –**

The term ‘anchorage strength’ is generally used to imply the strength of the concrete or steel, whichever controls. In this section, the anchorage strength reference is Section 3.3.2 which only discusses a concrete reduction factor. Should the section reference change or is the intent to focus on the concrete strength alone?

**Section 4.2.2 –**

Should wording from Section 4.1.4 that deals with anchors at wall ends or corners be replicated in this section?

**Section 4.2.4 –**

Is the “cyclic test reduction factor” the same as the “Seismic reduction factor (R<sub>se</sub>)” defined in section 3.4.2, line 200? If so, that section should probably be referenced and the terms unified for clarity.

Thank you for consideration of these comments. If you have any questions regarding these comments please don’t hesitate to contact me at 208-429-3715 or at Daniel.Cheney2@Weyerhaeuser.com

Sincerely,

*Daniel W. Cheney (sent via e-mail)*

Daniel W. Cheney, P.E.  
Manager of Product Acceptance



September 15, 2008

Kurt Stochlia  
Vice President  
ICC Evaluation Service, Inc.  
Los Angeles Business/Regional Office  
5360 Workman Mill Road  
Whittier, CA 90601

**Subject: ICC-ES AC399 Revision Recommendations**

Dear Mr. Stochlia,

Below are our revision recommendations for the proposed ICC-ES AC399 entitled "Acceptance Criteria for Cast-In-Place Proprietary Steel Anchor Bolts in Concrete for Light-Frame Construction, Subject AC399-0808-R2, (KS/BG)".

Line 3: "~~e~~Evaluation Service, Inc. (ICC-ES), recognition...."

Lines 45 to 46: "one end embedded into a concrete foundation ~~a concrete construction and used as an anchor bolt for shear panels~~ in light-frame construction. In addition, proprietary...."

Lines 121 to 122: ".each ~~test~~ proprietary bolt unless the reinforcement is intended to be in the failure region, of the proprietary bolt...."

Line 133: Center Rs equation on page

Line 205: "~~does not resist seismic forces~~ is not in SDC C through F, otherwise  $R_d = 0.75$ "

Line 248: "...in place proprietary bolts."

Line 252: "...tested in tension. ~~Test p~~Proprietary bolts shall be tested..."

Line 299: "...equal to 10 percent."

Line 331: "...inspections shall -not be..."

Please email me at [jellis@strongtie.com](mailto:jellis@strongtie.com) or call me at 714-738-2029 with any questions or comments you may have.

Sincerely,  
Simpson Strong-Tie Co., Inc.

A handwritten signature in black ink that reads "Jeff Ellis".

Jeff Ellis, P.E., S.E.  
Senior Engineering Project Manager