



City and County of San Francisco
Department of Building Inspection
1660 Mission Street, San Francisco, CA 94103

Structural Bulletin

SB 07-09

Subject: **Anchor Bolts Cast Into Concrete**

Date: January 7, 2009

All anchors cast into concrete, including anchor bolts, J-bolts, and proprietary anchor bolts (e.g., Simpson SSTB), shall be designed in accordance with the strength design provisions of 2007 CBC Section 1912, Section 1908.1.16, and ACI 318-05 Appendix D. The engineer of record shall submit complete calculations showing compliance with ACI 318-05 Appendix D. Allowable stress design and 2007 CBC Table 1911.2 are not allowed where design load combinations include earthquake loads or effects, per 2007 CBC Section 1911.

Manufacturer's catalog allowable load values for proprietary anchor bolts (e.g., Simpson SSTB) are not valid as they are based on allowable stress design and because these products do not have ICC evaluation reports indicating conformance to 2006 IBC. Therefore, project specific calculations in accordance with 2007 CBC Sections 1912 and 1908.1.16, and ACI 318-05 Appendix D, shall be required if proprietary anchor bolts are used in the design.

This Bulletin is subject to revision at such time that proprietary anchor bolts with ICC evaluation reports indicating conformance to 2006 IBC are identified.

Approved: Raymond Lui, S.E.
Deputy Director for Plan Review Services

A handwritten signature in black ink, appearing to be "Raymond Lui", written over the printed name and title.