

## CODE

**1.6—Building official**

**1.6.1** All references in this Code to the building official shall be understood to mean persons who administer and enforce this Code.

**1.6.2** Actions and decisions by the building official affect only the specific jurisdiction and do not change this Code.

**1.6.3** The building official shall have the right to order testing of any materials used in concrete construction to determine if materials are of the quality specified.

**1.7—Licensed design professional**

**1.7.1** All references in this Code to the licensed design professional shall be understood to mean the engineer in either 1.7.1.1 or 1.7.1.2.

**1.7.1.1** The licensed design professional responsible for, and in charge of, the structural design work.

**1.7.1.2** A specialty engineer to whom a specific portion of the structural design work has been delegated subject to the conditions of (a) and (b).

(a) The authority of the specialty engineer shall be explicitly limited to the delegated design work.

(b) The portion of design work delegated shall be well defined such that responsibilities and obligations of the parties are apparent.

**1.8—Construction documents and design records**

**1.8.1** The licensed design professional shall provide in the construction documents the information required in **Chapter 26** and that required by the jurisdiction.

**1.8.2** Calculations pertinent to design shall be filed with the construction documents if required by the building official. Analyses and designs using computer programs shall be permitted provided design assumptions, user input, and computer-generated output are submitted. Model analysis shall be permitted to supplement calculations.

## COMMENTARY

**R1.6—Building official**

**R1.6.1** Building official is defined in **2.3**.

**R1.6.2** Only the American Concrete Institute has the authority to alter or amend this Code.

**R1.7—Licensed design professional**

**R1.7.1** Licensed design professional is defined in **2.3**.

**R1.7.1.2(b)** A portion of the design work may be delegated to a specialty engineer during the design phase or to the contractor in the construction documents. Examples of design work delegated to a specialty engineer or contractor include precast concrete and post-tensioned concrete design.

**R1.8—Construction documents and design records**

**R1.8.1** The provisions of **Chapter 26** for preparing project drawings and specifications are, in general, consistent with those of most general building codes. Additional information may be required by the building official.

**R1.8.2** Documented computer output is acceptable instead of manual calculations. The extent of input and output information required will vary according to the specific requirements of individual building officials. However, if a computer program has been used, only skeleton data should normally be required. This should consist of sufficient input and output data and other information to allow the building official to perform a detailed review and make comparisons using another program or manual calculations. Input data should be identified as to member designation, applied loads, and span lengths. The related output data should include member designation and the shears, moments, and reactions at key points in the span. For column design, it is desirable to include moment magnification factors in the output where applicable.

The Code permits model analysis to be used to supplement structural analysis and design calculations. Documentation