

**CHAPTER 19
CONCRETE**

**SECTION 1901
GENERAL**

Add new section as follows:

1901.7 Tolerances for structural concrete. Where not indicated in construction documents, structural tolerances for concrete structural elements shall be in accordance with this section:

1907.1.1 Cast-in-place concrete tolerances. Structural tolerances for cast-in-place structural concrete elements shall be in accordance with ACI 117.

Exceptions:

1. Group R-3 detached one- and two-family dwellings are not required to comply with this section.
2. Shotcrete is not required to comply with this section.

1907.1.2 Precast concrete tolerances. Structural tolerances for precast concrete structural elements shall be in accordance with ACI ITG-7.

Exception: Group R-3 detached one- and two-family dwellings are not required to comply with this section.

Add new references as follows:

ACI

American Concrete Institute
38800 Country Club Drive
Farmington Hills MI 48331

117-10 Specification for Tolerances for Concrete Construction and Materials
1907.1.1.

ITG-7-09 Specification for Tolerances for Precast Concrete
1907.1.2

Reason Statement: ACI staff receive frequent technical inquiries regarding the allowable tolerances of structural concrete elements when tolerances are not indicated in construction documents. Adding these reference standards to the IBC provides the user with the information necessary for structural elements to perform as intended.

ACI, a 501(c)3 professional technical society, recommends approval as submitted to help assure that the appropriate tolerances for structural concrete elements applicable where not included in construction documents.

Cost Impact: There is no cost change associated with these requirements which are routinely cited in construction documents.