

**CHAPTER 19A  
CONCRETE**

Adopt and/or codify chapter as amended below:

*(All existing California amendments that are not revised below shall continue without change)*

**DRAFT INITIAL EXPRESS TERMS**

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**SECTION 1903A  
SPECIFICATIONS FOR TESTS AND MATERIALS**

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**1903A.6 [Reserved for OSHPD] ~~1903A.5 Fly Ash~~ - Add ACI 318 Section 3.2.3 as follows:**

*Fly ash or other pozzolan can be used as a partial substitute for ASTM C 150 portland cement, as follows:*

- 1. Fly ash or other pozzolan shall conform to ASTM C 618 for Class N or Class F materials (Class C is not permitted), and*
- 2. More than 15 percent by weight of fly ash or other pozzolans shall be permitted to be substituted for ASTM C 150 portland cement if the mix design is proportioned per ACI 318 Section 5.3. See Section 1904A for durability requirements.*
- 3. More than 40 percent by weight of ground granulated blast-furnace slag conforming to ASTM C 989 shall be permitted to be substituted for ASTM C 150 portland cement if the mix design is proportioned per ACI 318 Section 5.3. See Section 1904A for durability requirements.*

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**1905A.1.15 ~~1905A.1.15 ACI 318, Section 24.2.1-18.2.~~ - Add Section 24.2.1.1-18.2.7 to ACI 318 as follows:**

**24.2.1.1 ~~18.2.7~~ - Span to Depth Ratio. **Prestressed Beam and Slab** Span to depth ratios for continuous prestressed concrete members shall not exceed the following, except**

when calculations of deflections and vibration effects prove that greater values may be used without adverse effects:

<u>Beams .....</u>	<u>30</u>
<u>One-way Slabs .....</u>	<u>40</u>
<u>Two-way Floor Slabs.....</u>	<u>40</u>
<u>Two-way Roof Slabs .....</u>	<u>44</u>

These ratios should be decreased for special conditions such as heavy loads and simple spans.

Maximum deflection criteria shall be in accordance with ACI 318 Sections 24.2.2 9.5

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NOTATION:

- Authority: Health and Safety Code Section 130005(g) & 130021
- Reference: Health and Safety Code Section 1275, 129790, 129850 & 130005(g)