

**STRUCTURE CONCRETE**

1. APPLICABILITY

Construction Specification 32 is applicable for the installation of low and moderate hazard structures, where the quantity of concrete is generally 75 cubic yards or less per structure, and where the location of the structure will allow economical maintenance or replacement.

2. MATERIAL SPECIFICATIONS

Material Specifications 522, 531, 532, 533, 534, 535, 537, and 538 are complementary to Construction Specification 32. When local aggregates do not conform to the requirements of Material Specification 522 but are known to produce concrete of adequate quality, reference to Interim Standard Material Specification is permissible, or requirements may be stated in the construction details in Section 24.

3. ITEMS TO BE INCLUDED IN CONTRACT SPECIFICATIONS AND DRAWINGS

- a. Class of concrete.
- b. Type, size and quantity of joint filler, waterstop, and any other items to be embedded.
- c. Type of cement.
- d. Specify in Section 24 if fly ash or ground blast furnace slag is required or is not allowed in the design mix as a partial substitute for cement.
- e. Nominal size of coarse aggregate; or specifications for aggregate if Material Specification 522 does not apply-
- f. Type of admixtures, if any.
- g. Special slump and air content requirements, if applicable.
- h. If volumetric batching and continuous mixing will not be permitted, include a statement to that effect.
- i. Special type of finish or coating of finished surfaces.
- j. Note in Section 24 any other deviations from the basic specifications.

4. DISCUSSION OF METHODS

a. Section 23, Measurement and Payment

Describe method of measurement and payment if it differs from the methods listed.