

exceeding 0.25 of its compressive strength at the time of loading or of the specified 28 day strength whichever is lower. The strength of the concrete and the stresses produced by the loads shall be subject to the agreement of the Engineer.

- B. No load shall be placed until the Engineer so permits, but in no case shall any load of any kind be placed until the curing has been completed. The Contractor shall not place any temporary loads or open any section of the Works to traffic or construction equipment until permitted by the Engineer.
- C. In addition to the above, the Contractor is responsible for conforming to the performance requirements for concrete in general and for the creep requirements in particular.

### **3.3.12 Patching**

- A. Allow the Engineer to inspect concrete surfaces immediately upon removal of forms.
- B. Excessive honeycomb or embedded debris in concrete is not acceptable. Notify the Engineer upon discovery.
- C. Patch imperfections as directed in accordance with ACI 301.
- D. Do not treat concrete surfaces until the Engineer's inspection is completed.

### **3.3.13 Defective Concrete**

- A. The action to be taken in the event of non-compliance of test results with the Specification, including but not limited to cube results, shall be determined by the Engineer and may range from qualified acceptance to rejection and removal of all or part of the affected works as described in the "Field Quality Control" section of the specification.
- B. The Contractor shall provide at his own expense all tests and rectification works including records, samples, including core samples, and their results as may be required by the Engineer, whether the concrete be finally accepted or not.

### **3.3.14 Schedule - Concrete Types and Finishes**

- A. See Table –3-3 for concrete type.
- B. Provide qualities of finish as indicated in the description of the works. Ensure that the quality of finish is not inferior to those described below. Any defective concrete finish will be rejected and the Engineer may, at his discretion, order the defects to be cut out and made good to his satisfaction. Do not allow fins and feathered edges in the concrete surfaces.
- C. Apply the following requirements for the finish of concrete surfaces as appropriate:
  - 1. Exposed surfaces and surfaces in contact with liquid other than upper surfaces: Surface texture to be obtained from the use of formwork of a