

**SECTION 03300
CAST-IN-PLACE CONCRETE**

PART 1 - GENERAL

1.1 SUMMARY

- .1 Concrete shall conform to CAN/CSA A23.1-00/A23.2-00 Concrete Materials and Methods of Construction/Methods of Test for Concrete; Amendment 2001.
- .2 The Owner shall appoint and pay for a CSA certified inspection agency to review concrete mix designs and perform concrete testing in accordance with CAN/CSA A23.1.
- .3 The Contractor shall be responsible for coordination with the Owner's testing agency.
- .4 Provide concrete pads as indicated. Provide housekeeping pads for all mechanical equipment including air handler, boilers, HWT. Provide exterior concrete sidewalks and patios where shown.
- .5 See also Structural Notes on Structural Drawings.

1.2 RELATED SECTIONS

- .1 07840 Firestopping.

1.3 SUBMITTALS

- .1 Mix Designs: Submit copies of mix designs and test reports to Consultant.

PART 2 - PRODUCTS

2.1 CONCRETE FORMWORK

- .1 Formwork for concrete exposed to view: G1S Douglas Fir or Spruce plywood or medium density overlaid plywood. Refer also to Notes on Structural Drawings.

2.2 CONCRETE REINFORCEMENT

- .1 Refer to Notes on Structural Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION GENERAL

- .1 Repair defective concrete as directed by Consultant. Defective concrete includes honeycombing, rock pockets, chips, spalls, fins, and rust stains in exposed concrete surfaces. Establish materials and methods for repair of defective concrete with Consultant prior to executing work. The repair shall proceed as soon as possible after removal of forms. As a minimum, defective concrete repair with a sack rub finish or sandblasting as directed by Consultant.
- .2 Steel trowel concrete slabs to be left exposed or to receive carpeting, resilient flooring, and sheet membrane waterproofing. Finish floors flat, free from defects which would telegraph through finish material. Conform to CAN/CSA A23.1 for floor finish, flatness ratio, curing and tolerances.
- .3 See Structural Drawings for concrete type and strength.

3.4 CLEAN UP

- .1 During progress of the Work and at completion, keep all surrounding areas clean and free from debris. Clean adjacent structures and appurtenances of dust, dirt and debris caused by operations. Return adjacent areas to condition existing before operations began.

END OF SECTION