

**Part 1            General**

**1.1                REFERENCES**

- .1    Canadian Standards Association (CSA):
  - .1        CAN/CSA-A23.1, Concrete Materials and Methods of Concrete Construction.
  - .2        CAN/CSA-A23.2, Methods of Test for Concrete.
  - .3        CAN/CSA-A3000-A5, Portland Cement.

**1.2                SUBMITTALS**

- .1    Shop Drawings:
  - .1        Submit mix design in accordance with Section 01 33 30 – Submittals.

**Part 2            Products**

**2.1                MATERIALS**

- .1    Portland cement: to CAN/CSA -A5, Type HS.
- .2    Other concrete materials: to CAN/CSA-A23.1.

**2.2                MIXES**

- .1    Proportion concrete in accordance with CAN/CSA-A23.1.
- .2    Minimum compressive strength at 28 days: 35 MPa.
- .3    Class of exposure: S-1 to CAN/CSA-A23.1, Table 11.
- .4    Nominal maximum size of coarse aggregate: to CAN/CSA-A23.1.
- .5    Slump: to CAN/CSA-A23.1.
- .6    Air content: concrete to contain purposely entrained air in accordance with CAN/CSA-A23.1, Table 10.
- .7    Admixtures: to CAN/CSA-A23.1.

**Part 3            Execution**

**3.1                CONSTRUCTION**

- .1    Do cast-in-place concrete work in accordance with CAN/CSA-A23.1.

**3.2 FINISHES**

- .1 Slope the top of finished concrete surfaces away from timber support posts.

**3.3 CURING**

- .1 Cure and protect concrete in accordance with CAN/CSA-A23.1.

**3.4 FIELD QUALITY CONTROL**

- .1 Concrete testing: to CAN/CSA-A23.2 by testing laboratory designated and paid for by Department Representative.

**END OF SECTION**