

# **1 CONCRETE FORMWORK (SECTION 03100)**

## **1.1 Part 1 General**

### **1.1.1 Related Documents**

Section 01300-Submittals

Section 01400-Quality Control

Section 01600-Materials and equipment

Section 03200-Concrete Reinforcement

Section 03300-Cast in-Place Concrete

Section 03700-Joints in Concrete

### **1.1.2 References**

ACI 117-06      Specifications for tolerances for concrete construction and materials and commentary.

ACI 347-04      Guide to formwork for concrete.

BS 5975      Code of practice for false work.

CIRIA C511      Controlled permeability formwork.

ISO 9000      Quality management systems.

### **1.1.3 Design Requirements**

A. Design Formwork, taking into account the following:

1. Vertical load (Dead load and Live load).
2. Lateral pressure of concrete.
3. Unit stress.
4. Safety factors for accessories.
5. Height and rate of pour.
6. Thickness of member.
7. Placing temperature.
8. Concrete slump and density.
9. Wind load.