2.3.2 Placement

A. All steel reinforcement shall be securely and accurately fixed in position as shown on the drawings and supported to ensure that the reinforcement cage as a whole shall retain its shape and correct position in the forms during the process of depositing and compacting the concrete.

B. Maintain concrete cover around reinforcement to within + or - 5mm of the values given in Table 2-2 below.

Table 2-2: - concrete cover to reinforcement

Concrete cover to Reinforcement	**Minimum cover**
External work, work against earth faces and in liquid retaining structures.	75mm
External work in a tidal environment and concrete placed in or under water.	75mm
Internal work in non-liquid retaining structures.	
Walls, beams and columns.	50mm to the nearest bar including links
Slab reinforcement.	30mm to all bars or diameter of the largest bar whichever is the greater.
Distance between parallel bars.	25mm or the diameter of the largest bar whichever is the greater.

C. Turn ends of tie wires into the main body of the concrete. Do not allow tie wire to project towards the surface.

D. Place chairs, bolsters, or bar supports between parallel layers of steel reinforcement in slabs.

E. Place spacers against steel reinforcement to separate layers of reinforcement from concrete blinding and formwork.

F. Do not use shapes of steel reinforcement not shown on the drawings.

G. Where epoxy coated reinforcement is specified provide adequate scaffolding system to ensure that the coating is not damaged during fixing and concreting.

H. Welding of steel reinforcement shall not be carried out unless authorized by the Engineer.

I. Mechanical splices shall only be used as indicated on the drawings or as authorized