

## SECTION 03200CP – CONCRETE REINFORCEMENT

### PART 1 - GENERAL

#### 1.1 GENERAL CRITERIA

- A. Comply with the recommendations of ACI except where modified in this section.
- B. Use epoxy coated reinforcement in all concrete exposed to the weather or to exterior conditions, including top-of-slab bars in parking structures. Also use stainless steel or non-rusting tie wire and accessories in all exterior concrete construction.

#### 1.2 REFERENCED STANDARDS

- A. ACI 301 Standard Specification for Structural Concrete for Building, current edition.
- B. ACI 315 Details and Detailing of Concrete Reinforcement, current edition.
- C. CRSI Manual of Practice, current edition.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Reinforcing Steel: ASTM 615 – Grade 60. Legible mill marks shall show manufacturer, size and grade of each steel bar.
- B. Welded wire fabric: Avoid using welded wire fabric for structural slabs on grade. For structural applications, no. 4 bars are preferred because they can be positioned more reliably. When welded wire fabric is used, for light structural applications such as sidewalks and topping slabs, use ASTM A185. Furnish in flat sheets only; no rolls.
- C. Supports, chairs, bolsters and spacers shall conform to Chapter #3 of CRSI Manual of standard practice. Provide Class D, plastic protected bar supports.
- D. Tie Wire – 19 gauge black annealed wire.

### PART 3 – EXECUTION

#### 3.1 FABRICATION AND PLACEMENT OF REINFORCING

- A. The structural engineer shall make field observations of all concrete reinforcement in the field before placement of concrete. The Contractor shall not start concrete placement without receiving approval of the reinforcement from the Engineer.

- B. Provide a minimum 2-inch concrete cover over all reinforcement, regardless of code provisions allowing less cover.
- C. Tie wires shall be cut and ends bent behind the reinforcing bars to ensure coverage of tie wire.

END OF SECTION