

SECTION 03200

CONCRETE REINFORCEMENT

PART 1 GENERAL

1.01 SCOPE

- A. The work covered by this section includes the furnishing of all labor, material, equipment and incidentals and the performing of all operations in connection with Concrete Reinforcement as indicated on the drawings and/or herein specified. All work shall be subject to the terms and conditions of the Contract and applicable portions of the General Conditions, and Division 1, General Requirements.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Concrete Formwork — Section 03100
- B. Cast-in-Place Concrete — Section 03300

1.03 GENERAL REFERENCE SPECIFICATIONS

- A. The following specifications, latest edition with current amendments, shall be part of this specification section, even though not fully set forth herein:
  - 1. ACI 301, "Specifications for Structural Concrete for Buildings."
  - 2. ACI 318-99, "Building Code Requirements for Reinforced Concrete."
  - 3. "Manual of Standard Practice," Concrete Reinforcing Steel Institute.
  - 4. Other ACI and ASTM Specifications noted herein.

1.04 SHOP DRAWINGS

- A. One ozalid transparency and three prints of reinforcing steel placing drawings and bar lists shall be furnished, as per Section 1300, before concrete work commences. Drawings shall be in accordance with ACI 315, "Manual of Standard Practice for Detailing Reinforced Concrete Structures." Drawings shall be submitted to the Architect/Engineer for review.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Reinforcing steel shall be new Grade 60 deformed bars of domestic manufacture, meeting the requirements of ASTM A615.
- B. Tie wire shall be 16-gauge or heavier, black annealed wire.
- C. Welded wire fabric shall be 6 x 6 x w2.9 x 2.9 furnished in sheets meeting the requirements of ASTM A185.

PART 3 EXECUTION

3.01 FABRICATION

- A. All hooks and bends shall conform to minimum diameters of bend in the ACI Code.
- B. All bars shall be bent cold.
- C. Reinforcing bars shall conform accurately to the dimensions shown on the plans and within the fabrication tolerances as shown in the "Manual of Standard Practice."

3.02 PLACING REINFORCING STEEL

- A. The placement of reinforcing steel shall conform to the requirements of ACI 318.
- B. Bars shall be securely tied to prevent displacement during the concrete placement.
- C. Bar spacings, splicing lengths and placing tolerances shall conform to the requirements of ACI 318.
- D. Welding of reinforcing will not be permitted.
- E. Concrete block inserts, bricks, stones, wood blocks and other similar materials shall not be used to support reinforcement.

END OF SECTION