

SECTION 03200

CONCRETE REINFORCEMENT

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. Reinforcing steel bars, welded steel wire fabric for cast-in-place concrete.
- B. Support chairs, bolsters, bar supports, and spacers for supporting reinforcement.

1.02 RELATED WORK

Section 03300 - Concrete: Concrete placement.

1.03 REFERENCES

- A. ACI 301 – Specification for Structural Concrete
- B. ACI 315 - Details and Detailing of Concrete Reinforcement
- C. ACI 318 – Building Code Requirements for Structural Concrete and Commentary
- D. ACI 350 – Environmental Engineering Concrete Structures
- E. ANSI/ASTM A185 – Specification for Steel Welded Wire Fabric, Plain, for Concrete Reinforcement
- F. ASTM A615 – Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
- G. CRSI - Manual of Practice
- H. CRSI 63 - Recommended Practice for Placing Reinforcing Bars
- I. CRSI 65 - Recommended Practice for Placing Bar Supports, Specifications and Nomenclature

1.04 QUALITY ASSURANCE

- A. Perform concrete reinforcement work in accordance with CRSI Manual of Standard Practice, and Documents 63 and 65.
- B. Conform to ACI 318 and 301.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Reinforcing Steel: ASTM A615, 40 ksi yield grade billet-steel bars, uncoated finish.
- B. Welded Steel Wire Fabric: ANSI/ASTM A185 plain type; in coiled rolls; uncoated finish.

2.02 ACCESSORY MATERIALS

- A. Tie Wire: Minimum 16 gage, annealed type.
- B. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for strength and support of reinforcement during installation and placement of concrete.

2.03 FABRICATION

- A. Fabricate in accordance with ACI 301, 315, and 318 providing concrete cover.
- B. Locate reinforcing splices not indicated on Drawings at points of minimum stress. Indicate location of splices on shop drawings.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Before placing concrete, clean reinforcement of foreign particles or coatings.
- B. Place, support, and secure reinforcement against displacement. Do not deviate from alignment or measurement.

3.02 STORAGE

Storage of reinforcement shall be in such a manner as to prevent damage to the reinforcing bars. All steel shall be kept clear of the ground, protected from the weather.

END OF SECTION