

SECTION 105 - REINFORCING STEEL

1. GENERAL

This work shall consist of furnishing and placing Billet Steel Bars for concrete reinforcement in accordance with the latest version of Section 711 of the Kansas Department of Transportation Standard Specifications or as herein. No direct payment will be made as this work shall be considered subsidiary to other bid items.

2. BILLET STEEL BARS

Billet Steel Bars shall conform to the requirements of the "Specifications for Billet Steel Bars for Concrete Reinforcement," A.S.T.M. Designation A615. The size of reinforcing bar shall be specified in the City of Salina Standard Specification Details or in the contract documents.

3. CERTIFICATION AND IDENTIFICATION

A. Certification Three copies of a certified mill test report shall be furnished for each lot of billet steel reinforcement bars proposed for use on this project. The mill test report shall show the following information:

1. The process or processes used in the manufacture of the steel from which the bars were rolled.
2. Identification of the heat of open-hearth, basic oxygen, or electric furnace or the lot of acid bessemer steel from which the bars are rolled.
3. Chemical and physical properties of the heat from which the bars were rolled.

B. Identification The bars in each lot shall be legibly tagged by the manufacturer or fabricator. The tag shall show the manufacturer's test number and lot number or other designation that will identify the material with the certificate issued for that lot of steel.

The fabricator shall furnish three copies of a certification which shows the heat number or numbers from which each size of bar in the shipment was fabricated.

There shall be no evidence of piping or visual flaw on the sheared ends of the bars.

4. PLACING, SUPPORTING, AND FASTENING

All reinforcing steel shall be accurately placed and, during the placing of concrete, firmly held by approved supports in the position shown on the plans. Reinforcing bars shall be securely fastened together. Reinforcement placed in any member shall be inspected and approved before any concrete is placed. Laying or driving bars into the concrete after placement will not be permitted. The use of small stones or concrete or wood blocks for supporting reinforcement will not be permitted. The reinforcement shall be held securely in place at the proper position and spacing as indicated on the plans by the use of wire ties at bar intersections and tying to the supports and spacers. The adequacy of the supports and ties to secure the reinforcement properly shall be subject to the approval of the Engineer.

5. MEASUREMENT AND PAYMENT

No direct payment shall be made as this work shall be considered subsidiary to other bid items.