Field Inspection of Reinforcing Bars


Second Edition
Founded in 1924, the Concrete Reinforcing Steel Institute (CRSI) is a technical institute and an ANSI-accredited Standards Developing Organization (SDO) that stands as the authoritative resource for information related to steel reinforced concrete construction. Among the Nation’s oldest trade associations, CRSI authors many industry-trusted technical publications, standards documents, design aids, reference materials and educational opportunities to advance and standardize the reinforced concrete construction industry.

CRSI’s members represent over 80% of the U.S. manufacturers, fabricators and placers of steel reinforcing bar and related products with over 600 locations in 49 states, and with over 15,000 employees. Members produce, fabricate and install approximately 9 million ton of reinforcing steel per year using scrap steel in efficient manufacturing operations. It is estimated that the industry impacts over 75,000 people in steel transportation and placement in North America.

Our professional members (architects, engineers, contractors) are involved in the research, design, and construction of steel reinforced concrete.

CRSI also has a broad Region Manager network that supports both members and industry professionals and creates awareness among the design/construction community through outreach activities.
Field Inspection of Reinforcing Bars

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1. Introduction

The purpose of this publication is to serve as a companion to the CRSI publication *Placing Reinforcing Bars*. The contents herein were collected from various CRSI publications and covers some of the key aspects of placing reinforcing bars, published in a small, convenient page format. In most of the sections, reference is made to a specific publication for further information. This publication replaces CRSI’s *Pocket Guide for Field Inspection of Rebar* booklet and also presents the same information as in past *Field Identification Guide for Reinforcing Bars*.

2. Safety Precautions*

Ironworkers are obligated to understand and follow the safety program of the Placing Subcontractor, the General Contractor’s project safety plan, the safety recommendations of the Associated General Contractors, and all governmental safety regulations. Safety is an everyday concern and requires the constant day to day attention of everyone on the job. Each person must firmly believe that all accidents are preventable and should strive to educate themselves on safety first principles and work together with everyone to achieve zero injury goals.

The Concrete Reinforcing Steel Institute does not support or represent that the following list is all inclusive. Safety concerns vary between jobsites and it becomes the responsibility of the individual and employer to ensure a safe workplace. The following precautions are of particular importance to the Ironworkers who should:

1. Be alert and safety conscious. Be aware of their surroundings at all times and know what the emergency procedures are for the jobsite. Horseplay, alcohol, or drug use on the jobsite should not be tolerated.

2. Have a thorough understanding of their specific job. If in doubt, ask their supervisor.

3. Be responsible. *Everybody* on site has the responsibility to identify, report, or take appropriate corrective action to eliminate unsafe conditions. For less severe situations or for situations that only affect a small portion of the work force or jobsite area, this action should be to immediately correct the situation with the trade workers involved. For more severe situations or for situations that include wide scale areas of the jobsite or multiple trades, these actions should include reporting to the general contractor so that their employees correct the problem while trade work continues elsewhere on

*Based on Chapter 1, Safety Precautions, of CRSI *Placing Reinforcing Bars* (2019).*