



SUPPLEMENTARY RULES AND REGULATIONS GOVERNING FABRICATORS OF HIGH-STRENGTH STRUCTURAL STEEL

A. APPLICABILITY

The following rules and regulations shall only apply to a structural steel fabricator licensee who has made application for and has been granted supplemental approval to process the high-strength structural steels. These rules shall be in addition to the rules in Information Bulletin **P/BC 2023-042 Application for Approval as Fabricator** under which the license for structural steel fabrication, including welding, is issued and shall apply to any high-strength steel listed in the Code or General Approvals but not apply to the light gage structural steels.

B. QUALIFICATIONS

1. High-strength structural steel shall only be fabricated by licensed fabricators specifically approved by the Department for that purpose.
2. Applicants for approval as fabricators of high-strength structural steel shall exhibit the following qualifications:
 - a. An established quality control group separate from production supervision.
 - b. A well-regulated separate storage system under the control of the quality control personnel. A detailed procedure for maintaining steel identity shall be in effect.

Exception: Separate storage is not required when ordered and stored as a job, on a job to job basis.

- c. The fabricator shall agree to immediately advise the Department of any changes in the control or identification procedures, especially a change in the quality control personnel.

C. STEEL IDENTIFICATION

1. High-Strength steel shall be identified in accordance with ASTM A6 by the mill prior to shipment to distributors or fabrication facilities. The fabricator shall use color markings as per the “Color Identification System” (see attached) that was part of the ASTM standards prior to 2002 and additional markings as outlined below.
2. SHAPES, PLATES, CUT PLATES, RODS AND ROLLED SECTIONS:

Mill reports for each heat shall be used to determine the grade of steel, and a Department approved identification mark shall be applied to each piece and each segment which will be cut from same. The identification mark must be permanent and may be applied as a sticker, sprayed on or any other approved legible system. The identification mark shall show the grade of steel, the name or symbol or personalized mark of the person qualified by the Department of Building and Safety (Materials Control Section) who verified that particular piece of steel and shall maintain a permanent record of all high-strength steel which has been identified.

D. TESTS

The Department may require tests on samples taken from the work. The tests shall encompass all of the required physical properties of the applicable ASTM Specification and required chemical properties where the steel is welded or to be welded.

E. REVOCATION OR CANCELLATION

Procedures for actions to revoke or cancel the supplementary approval under these rules shall be as set forth in Information Bulletin **P/BC 2023-042** governing Approved Fabricators.

ASTM A6 Color Identification System

(Archival data, no longer in ASTM A6)

Structural Steel	Color(s)
A36	none
A242	blue
A283 grade D	orange
A514	red
A529 Grade 50	black and yellow
A529 grade 55	black and red
A572 grade 42	green and white
A572 grade 50	green and yellow
A572 grade 55	green and red
A572 grade 60	green and gray
A572 grade 65	green and blue
A588	blue and yellow
A709 grade 50	green and yellow
A709 grade 50W	blue and yellow
A709 grade 70W	blue and orange
A709 grade HPS 70W	blue and red
A709 grade 100	red
A709 grade 100W	red and orange
A852	blue and orange
A913 grade 50	red and yellow
A913 grade 60	red and gray
A913 grade 65	red and blue
A913 grade 70	red and white
A992	green and black

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