Inspection of Structural Steel

Product Conformity, Consistency and Reliability

BUSINESS CHALLENGE

With the increasing complexity of large infrastructure projects it has become essential to verify the quality of structural steel components prior to delivery. It is important to assure the materials are durable, safe and perform as designed. With clients such as Federal, State, and Municipal Departments of Transportation, who are driven by factors such as project funding, cost, visibility and groups of geographically diverse suppliers, it becomes necessary to provide independent third party conformity assessment services. This conformity assessment will assure adherence to industry standards and client specifications, thereby reducing potential project delays and related costs.

SOLUTION

What is Inspection of Structural Steel in the Fabrication Shop?

Inspection of Structural Steel typically address material traceability, cutting, beveling, drilling, fit-up, welding operations, high-strength fastener installation, and dimensional accuracy throughout steel fabrication. Bureau Veritas’ welding inspectors routinely inspect Welded Structures at various fabrication shops for State and Local government agencies.

Our experience includes providing Quality Assurance services associated with the fabrication of Structural Steel of varying type, size and complexity. Steel items most often inspected include: Lift Bridges, Swing Bridges, Suspension Bridges, Bascule Bridges, Plate Girder, Trapezoidal Box Girder, Tub Girder, Box Truss, Tubular Truss, Angle Truss, Arch, Cable Stayed and Canopies and the Pedestrian Bridges; Highway, Cantilever and Overhead Sign Structures; elevator frames, staircase frames and rails; and Elevated Track Framing and Elevated Stations.

What are some key benefits?

The primary objective is to deliver services with the highest degree of professionalism. This objective is implemented with policies that ensure:

- Provides comprehensive solutions to maintain product quality
- Ensures product reliability
- Identifies product faults, helping to minimize costs

WHY CHOOSE BUREAU VERITAS?

Founded in 1828, Bureau Veritas is the worldwide leader specialized in Quality, Health, Safety, & Environmental services. Certified to ISO 9001 for all of its activities throughout the world, the company has earned a large number of accreditations and notifications. Our qualified local teams are familiar with inspecting all kinds of fabricated steel components: various types, sizes and complexities of bridge, sign structures and framing.
OUR APPROACH

The influence of our staff’s presence on the shop floor during fabrication sets a tone that helps drive the manufacturing of a quality product in a timely manner. Our structural inspection staff’s repertoire has developed to include a wide range of services from the review and commentary on Welding Procedure Specifications to the Ultrasonic Evaluation of full-penetration weldments. We have tailored our operating procedures and developed the professional credentials of our staff, specifically to secure the highest levels of manufactured product quality. Bureau Veritas has earned the trust of its clients, and has subsequently been involved in some of history’s largest and most technically challenging projects.

Assignments are performed in accordance with our internal Quality Program which is compatible with those set up by international and national standards or professional organizations.

FAQ

What certifications do your inspectors hold?

- American Welding Society [AWS] Certified Welding Inspectors
- American Society of Non Destructive Testing [ASNT] NDT Level II & III Technicians
- Precast/Prestressed Concrete Institute [PCI] Certified Inspectors
- American Concrete Institute [ACI] Certified Inspectors
- National Association of Corrosion Engineers [NACE] Certified Coatings Inspectors

RELATED SERVICES

Bureau Veritas offers a wide range of related services:

- Construction Product Directive
- CE Marking
- Training
- Management System Certification
- Nondestructive Testing
- Protective Coatings Inspection
- Shop Inspection
- Site Inspection

CONTACT

Chicago Office
630.795.3200
weldingexpert@us.bureauveritas.com
www.us.bureauveritas.com/industry

Houston Office
281.986.1300
tc.houston@us.bureauveritas.com