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Comprehensive Structural Steel Welding and Bolting Inspection

Interactive checklist for inspecting structural steel welding and bolting. Comment, export as PDF/Excel. Ensure safety and compliance.

Project:

Date:

Filled by:

Preparation and Setup

1	Ensure all necessary tools and safety gear are available.
2	Review the project specifications and inspection plans.

Visual Inspection

3	Check for visible cracks in welds and bolts.
4	Verify the alignment of steel components.
5	Inspect for signs of corrosion or rust.
6	Ensure all bolts are properly tightened.

NDT Methods

7	Conduct ultrasonic testing on critical welds.
8	Perform magnetic particle testing for surface and near-surface flaw detection.
9	Use radiographic testing to inspect internal weld quality.

Documentation

10	Record findings and note any defects or issues.
11	Photograph any defects or areas of concern.
12	Compile a detailed inspection report.

Review and Sign-off

13	Review the completed checklist and inspection report.
14	Have a qualified inspector sign off on the report.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
<p>Structural steel welding and bolting inspections are critical in ensuring the integrity and safety of steel structures. This process involves a thorough examination of welds and bolts, either visually or using Non-Destructive Testing (NDT) methods if required. The inspection aims to identify any defects or issues that might compromise the structural stability. This checklist is essential for quality assurance, helping prevent costly repairs and ensuring compliance with safety standards. Users can interact with this checklist by ticking items, adding comments, and exporting the completed report as a PDF or Excel document, complete with a unique QR code for authentication.</p>	<p>1. Prepare all necessary tools and equipment, including safety gear, visual inspection tools, and NDT equipment if required. 2. Click the "Use this checklist" or "Start Interactive Checklist" button to launch interactive mode. 3. Tick each item online as you complete it. 4. Add comments on individual items or the entire checklist as needed. 5. Click Share or Download to download your completed checklist as PDF or Excel.</p>