



Steel Inspection Before Erection Checklist

A comprehensive checklist for inspecting steel materials and fabrication before erection, ensuring safety and compliance.

Project:
Date:
Filled by:

Material Inspection	
1	Verify the dimensions of all steel components against the design specifications.
2	Check for any signs of corrosion or damage on steel surfaces.
3	Ensure all materials are compliant with relevant industry standards.

Fabrication Inspection	
4	Inspect the quality of welds for signs of defects such as cracks or porosity.
5	Verify the alignment and fit-up of steel components.
6	Ensure all connections and bolts are tightened to the specified torque.

Documentation	
7	Record all inspection findings in a detailed report.
8	Document any non-conformities and the corrective actions taken.
9	Use standardized forms to ensure consistency in reporting.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspecting steel materials and fabrication before erection is critical to ensuring the safety, integrity, and longevity of a construction project. This checklist provides a detailed guide for professionals to systematically evaluate steel components and fabrication processes before they are erected. By following this checklist, inspectors can identify and address potential issues early, ensuring compliance with industry standards and preventing costly reworks or safety hazards.	1. Prepare by gathering all relevant project specifications and standards. 2. Conduct a thorough inspection of materials, documenting any issues found. 3. Inspect fabrication processes, ensuring quality and compliance with specifications. 4. Document each step and finding comprehensively, using standardized forms. 5. Share inspection reports with all relevant stakeholders for review and action.