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Marine Structure Formwork and Reinforcement Inspection Checklist

Interactive checklist for marine structure formwork and reinforcement inspection. Commentable, exportable as PDF/Excel.

Project:

Date:

Filled by:

Formwork Inspection

1	Verify the alignment and stability of formwork using a level and measuring tape.
2	Check the material condition and quality of formwork for any signs of wear or damage.
3	Ensure all formwork components are securely fastened and supported.
4	Inspect for gaps or leaks in formwork that could lead to concrete loss.

Reinforcement Inspection

5	Check reinforcement bars for correct placement and spacing according to blueprints.
6	Inspect reinforcement bars for any signs of corrosion or damage.
7	Verify the concrete cover over reinforcement to ensure adequate protection.
8	Ensure all reinforcement is clean and free of contaminants before concrete pouring.

Environmental Considerations

9	Assess environmental conditions that may affect formwork and reinforcement integrity.
10	Check for compliance with environmental protection regulations.

Comments:

Filled by:

Signature:

Introduction

Inspecting marine structure formwork and reinforcement is a critical phase in ensuring the durability and safety of maritime constructions. This process involves evaluating the integrity and alignment of formwork and the adequacy of reinforcement materials used in structures exposed to harsh marine environments. The checklist includes steps to verify the correct installation of formwork and reinforcement, crucial for preventing structural failures and ensuring long-term performance. Users can interactively tick off items, leave comments, and export their completed inspections as PDF or Excel, with a unique QR code for authenticity.

How to use this checklist

1. Prepare by gathering necessary tools, safety gear, and inspection documents. 2. Click the "Use this 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. 5. Click Share or Download to download your completed checklist as PDF or Excel.