

Enhance Wharf Structural Integrity with 316SS Engineered Solutions



A new wharf is being constructed at Hobsonville Point to enhance the area's marine infrastructure. This project is central to Auckland Council's Upper Waitemata Marine Centre initiative, which aims to bolster community engagement and marine activities.

THE CHALLENGE

Led by Auckland-based civil engineering firm Oxcon, the initial phase included developing a 1200m² platform adjacent to Boundary Road featuring a timber jetty and direct water access. To maintain the integrity of the marine structures, highly durable structural connectors and fasteners, especially those capable of withstanding severe corrosive environments, were needed.



PROJECT INFORMATION

Project Category

New Infrastructure

Project Name

Hobsonville Point Wharf

Engineer & Builder

Oxcon CLL

Simpson Strong-Tie Products

- SDWS27 316SS Heavy-duty Structural Fastener
- E5 316SS Reinforced Angle Bracket
- H3 316SS Hurricane Tie
- DSD 316SS Hardwood Decking Screw

Project Start Date

- August 2023

CHALLENGE

To ensure the longevity of marine structures, highly durable structural connectors and fasteners were required to withstand severe corrosion.

SOLUTION

Simpson Strong-Tie's corrosion-resistant solutions offer premium 316 stainless steel connectors and fasteners, extensively tested for load capacity, corrosion resistance, and installation efficiency.

RESULTS

Jeremy and the Oxcon team are proud of this project, thanks to Simpson Strong-Tie's solutions and support.

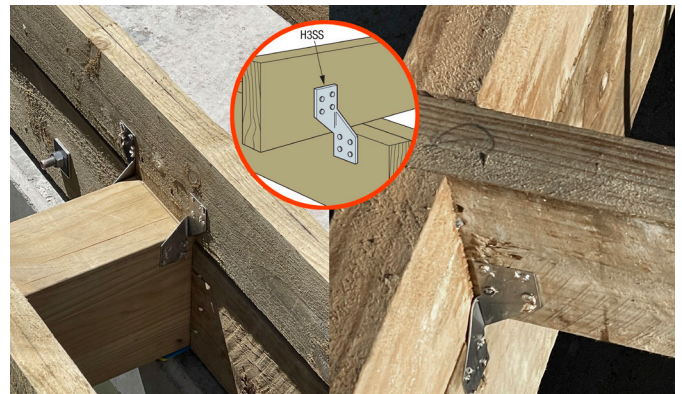
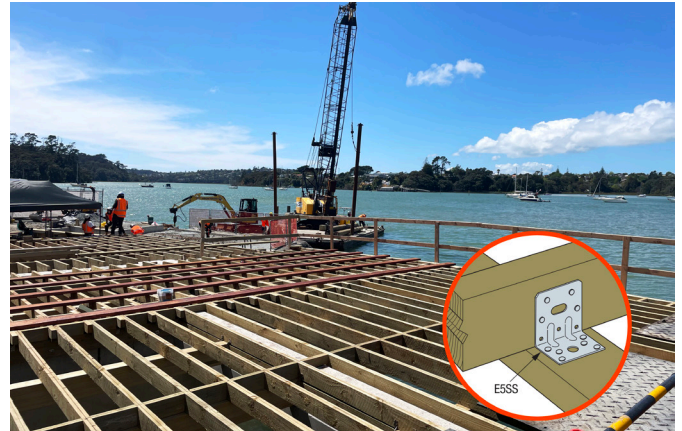
Simpson Strong-Tie® CASE STUDY

THE SOLUTION

Site Manager Jeremy Rees (Oxcon) engaged Simpson Strong-Tie for corrosion-resistant solutions. Area Manager Darren Chen and Technical Support Specialist Darrin Eichmann recommended the Deck-Drive™ Premium Fasteners and other 316 stainless steel connectors and fasteners, highlighting their extensive testing for load capacity, corrosion resistance, and installation efficiency.

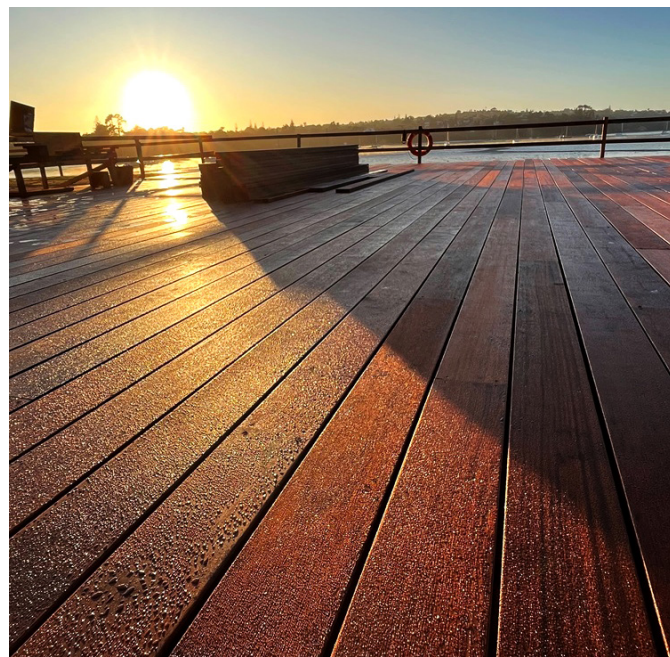
Product Details:

- **SDWS27 316SS Heavy-duty Structural Fastener:** Suitable for marine structures like docks and wharfs, offering strength and corrosion resistance.
- **E5 316SS Reinforced Angle Bracket:** Designed for structural framing at 90° angles, ideal for deck joist connections in marine environments.
- **H3 316SS Hurricane Tie:** Provides a robust link between joists and bearers, resisting wind and seismic forces with 316 stainless steel.
- **DSD 316SS Hardwood Decking Screw:** Ideal for securing 42mm Kwila boards to joists, featuring a broad head for better clamping and a decorative finish.



THE RESULTS

We're thrilled to see the completion of the new wharf at Hobsonville Point. Jeremy and the Oxcon team are very proud of this project and the solutions and support Simpson Strong-Tie provided. This achievement marks a significant step in transforming the waterfront into a vibrant community hub.



**MORE
INFO**

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