

> VANUATU

VTIP Port Villa

Stainless Steel Balustrade



VPMU
Vanuatu Project Management Unit | Unité de Gestion du Projet de Vanuatu
Peace Mission Office, Government of Vanuatu

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Mill-Pro supplies 1.5km of marine grade stainless steel balustrade for the Vanuatu Tourism & Infrastructure Project

March 2017

The *Vanuatu Tourism Infrastructure Project (VTIP)* is funded by the New Zealand Government and the Vanuatu Government. The goal of the project is to contribute to a buoyant, resilient tourism sector that provides greater economic returns from the tourism sector for Vanuatu.

Mill-Pro worked closely with BECA and Hawkins Infrastructure to fabricate architectural balustrade in China to be fitted to a new seawall, BECA and Hawkins both visited the fabrication facility to audit Mill-Pro's QA processes.

Mill-Pro scope included producing shop drawings, fabrication, polishing & electro polishing, trial assembly, fasteners, packing and shipment, delivery was extremely tight with 5 shipments being delivered on weekly shipments.

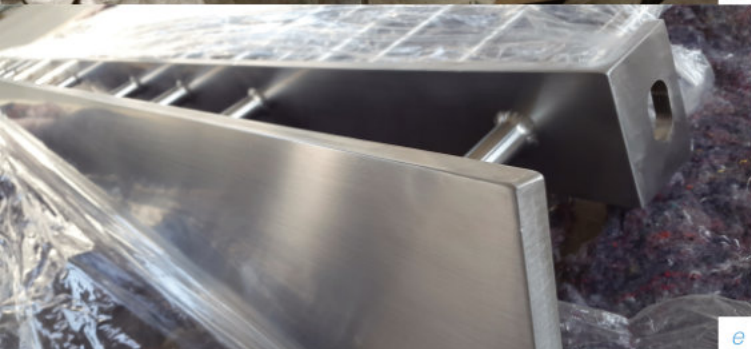
Mill-Pro's inspector was present throughout fabrication to ensure that only 316 stainless steel was used and no lesser grades of stainless steel materials were mixed in the fabrication process. Mill-Pro has portable spectrographic equipment that allows us to test every component including fasteners for material compliance.

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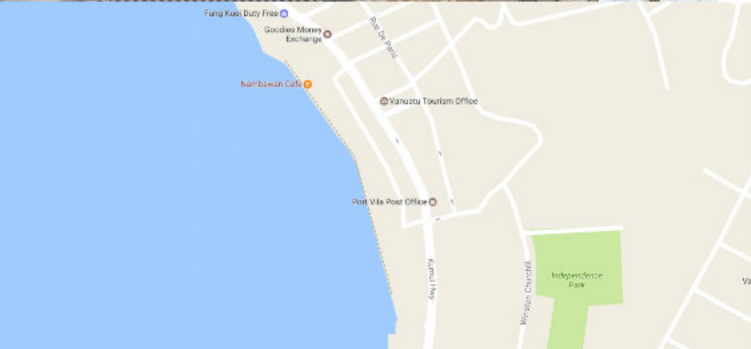




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- a Fabrication commences after material qualification by Mill-Pro. Mill-Pro inspectors are present throughout the manufacturing process.
- b Finished panels are trial assembled by bolting to vertical posts to ensure jointing compatibility on site.
- c Finished vertical post after manual and electrol polishing ready for packaging.
- d Hawkins Infrastructure & BECA representatives both inspecting a trial panel fabricated as a representative sample before main production commenced.
- e Finished panel ready for packing, Panels were fabricated using pre polished raw materials, then post fabrication welds were polished and finally the completed panels were electro-polished to ensure no tea staining would occur due to marine environment exposure.
- f 12/316 Stainless Steel Panels individually wrapped and strapped to a pallet for shipment.
- g Palet of panels encased in protective boxes for shipment to Vanuatu.
- h Panels installed on site by Hawkins Infrastructure at Port Vila, sea front precinct, Vanuatu.
- i Finished installation.
- j Panels with sea step opening and hand rails for servicing small craft.



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