

MICTSI REEFER RACKS, PHILIPPINES

CASE STUDY

The latest of this project is the supply of 13 sets of reefer rack structures at the newly developed Manila International Container Terminal Services Inc. (MICTSI).

The Manila International Container Terminal is the largest, busiest, and most advanced container terminal in the Philippines. It has an annual capacity of 3 million TEUs making it one of the largest non-transshipment ports in the world.

MICT is situated between the North and the South Harbors in the Port of Manila, protruding westward into the Manila Bay at the mouth of the Pasig River – the city's major waterway. A key facilitator of Philippine trade, it is complemented by ICTSI's robust network of marine and inland terminals across Luzon, the Visayas, and Mindanao.

The steel used in the structure is Q345B under GB/T 1591:2008 the standard for High Strength Low Alloy Structural Steels. The whole structure is covered in

hot-dipped galvanize (HDG) to prevent corrosion. The structure is subject to the danger of highly damaging sea breeze. The structure has been carefully protected under ISO 1461:2009, the standard for hot-dipped galvanize. Even the thread height is inspected to fit the nut while still covering it with adequate HDG.

ESC has successfully delivered the required materials ahead of time.



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