

A FREIGHT CONTAINER STORAGE AND RETRIEVAL SYSTEM AND METHOD FOR CARRYING OUT THE SAME

ABSTRACT

A system for storing and retrieving ISO freight containers at a container depot includes at least one supporting structure. The at least one supporting structure has at least an upper portion that is a rooftop section. The at least one supporting structure extends vertically to a height at least substantially equivalent to the height of at least one ISO freight container. The system also includes at least one freight container handling crane positioned such that its base legs are located on the rooftop section of the at least one supporting structure. The freight container handling crane is a quayside crane having a boom, wherein the base legs of the quayside crane are positioned such that the boom extends away from the periphery of the at least one supporting structure.

FIGURE 1