CASE STUDY

Construction
Project
Logistics

Overview

As part of a major renovation project happening in the heart of downtown Cleveland, Ark was asked to provide a logistic solution for specialty building material originating in Germany. The material would need both warehousing and transportation services over the course of the project.

Details

The material was to arrive over a period of 90 days in 32 open-top FCLs (Full Container Loads) to the port of Cleveland via rail. The containers would need picked up at the port and unloaded in a warehouse for storage.

Due to the weight and position on the container, all the material would need to be handled via an overhead crane with a lifting capacity of at least 10 ton. The material was divided into 10 different SKUs which would be called for at different times during the project.

As the project moved forward, just in time deliveries would be required to the construction site, where the rigging team would unload.

The Specs:

32 FCLs

to the Port of Cleveland

Each container held 13 units of crated building material, banded into 3 or 4 bundles weighing from **9,000-12,000 lbs.**

Warehouse Requirements:

The warehouse space would need to be at least **10,000** square feet with an overhead crane and ideally located within 10 miles of the project.

> ***With that many containers coming to one location, precise scheduling and planning was critincal to avoid bottlenecks*** *Project Mgr*

Address

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Contact

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Projected lenth of storage

3-6 Mths

or until project finish

Project Challenges

- Coordinate with the importer and the port of Cleveland to retrieve the FCL's on time to avoid yard storage fees.
- Efficiently manage the transportation of the FCLs to the storage warehouse.
- Safely unload the building materials.
- Plan, organize, and storag the materials by SKU for easily locating the proper materials for job site transport.
- Accurately and safely load, transport, and deliver the materials to the job site based on the general contracts needs.
- Have flexibility to make adjustments as the project dictated.

Ark's Solution

After reviewing and understanding what was needed for this project, Ark was excited to offer a solution. Ark was able to provide the necessary warehouse space with a 20 Ton overhead crane for loading/unloading within 10 miles of the construction site. Ark's dedicated project manager created a pickup scheduled based upon the arrival of the containers at the port of Cleveland, to ensure all the containers left the yard in a timely fashion and avoiding fees. This schedule was also created to ensure there would be no conflict between the drayage of empty containers and the delivery of full ones.

Piece by pieace, Ark safely unloaded the containers and stored them according to the warehouse skematic. As the construction phases unfolded, Ark consistenly delivered on schedule to the job site to fulfill the needs of the general contractor. Ark's reliable delivery helped the project stay on schedule.