

EMERY WORLDWIDE, DAYTON, OH Parcel Handling System



OWNER
EMERY WORLD WIDE

LOCATION
DAYTON, OHIO

COMPLETION DATE
1987

ENTIRE PROJECT AMOUNT
IN EXCESS OF \$50 MILLION US

CONTRACT AMOUNT
US \$ 12 MILLION

BUILDING SIZE:
APPROX. 445,00 S.F.

SCOPE OF SERVICES
CONCEPTUAL AND SCHEMATIC
DESIGN FOR ENTIRE FACILITY AND
SORTATION SYSTEM CONTRACT
DOCUMENTS, BIDDING, AND
IMPLEMENTATION OF PACKAGE
HANDLING SYSTEM

BNP, having been Emery's consultant on their major terminals at JFK and Los Angeles, were given the Dayton site plan and told to initiate work immediately. BNP defined the 200,000 sq. ft. warehouse building and delivered system designs and specifications involving approximately 5000 feet of processing conveyor and a large fleet of mobile equipment. A 3 million sq. ft. cargo apron, 700,000 square feet of taxiways, an 11 acre storm water retention basin, a 4 million gallon fuel farm, and a full back-up emergency power generator were also part of the construction package.

The system serves Emery with the centralized sorting hub for the domestic and international courier operations. It consists of six tilt tray and two belt diverter sorters for making a 76 way sort for packages and four custom designed tilt tray sorters for overnight letters, each making a 384 way sort. Oversized cargo is handled by truck. The system is installed on the mezzanine built for the purpose of providing open floor space for the unobstructed break-down, build-up and movement of nearly 700 aircraft containers in a four-hour period, five nights per week.

BNP as developed a staged expansion plan leading to a doubling of original capacities. Stage I of the plan, which included an automatic envelope sorter was implemented in 1983. Stage II went on line in October 1984 with Stage IIA targeted for January 1985 commissioning. Stage III concepts introduce automated package sorting systems which will allow for a far future Stage IV expansion.