

## Shelving Expansion and Integration



An HVACR controls distributor started a building addition to make room for expanding business and needed a compatible material handling system in the new space.

### Project Objective

The existing facility housed a two-tier shelving system, and the customer wanted a similar system for the addition, but required that it match the existing system in several important respects including catwalk heights. DAK Equipment & Engineering worked with the client and their architect to design a compatible system. Detailed locations for wall cut-outs were included in the design to allow order pickers to between old facility and the new on both levels of the storage system. A conveyor system for accumulating and packing orders was added to facilitate same day shipments.

### Project Scope

This project required DAK Equipment & Engineering to design, supply and install the system. This included two-tier shelving, staircases, selective racking, and a conveyor system. CAD drawings were supplied to the customer's architect to coordinate the project design, and the system installation was coordinated with the customer and general contractor to ensure sprinkler systems and lighting were smoothly integrated into the install process.

**Project Data**

Distributor of HVACR controls and other electrical components

Building Square Feet: 25,000  
Pallet Positions: 482  
Shelf Levels: 5,800  
Conveyor Length: 170 feet  
Packing Stations: 6  
Outbound Shipments: 300-400 shipments per day

**Solutions Used:**

- USP Selective Rack System with wire decking Erectomatic shelving in two-tier configuration
- Catwalks, Handrail and Staircases
- Lineshaft conveyor system with gravity accumulation



Upper Level with Catwalk



Elevation View



Lower Level