



## Meijer Distribution

MSD Inc. entered an agreement with Meijer to provide and install (6) new Rooftop units at their distribution facility. Meijer is a family owned grocery chain with stores throughout Michigan, Ohio, Indiana, Illinois, Kentucky and Wisconsin. This project is located in Tipp City, Ohio. This facility boasts approximately 1.8 million square feet of manufacturing space with 17 miles of conveyor belts for grocery, fresh produce, frozen foods & general merchandise. The contract value for this project was \$536,381 with \$0 in change orders.

This project was unique because the facility could not completely shut down operations while the existing units were removed, and the new units were set in their place. Because of this, it was determined that the units would need to be air lifted and set on top of the building using a helicopter. The helicopter was necessary to ensure that the change out of the units was completed in a 4-hour time frame so as not to disrupt operations for an extended period of time. To accomplish this, we needed to have a large crew, (16) of our skilled field personnel who worked diligently to complete the change out of (6) RTUs in a matter of 3 hours while continuing to maintain a safe working environment.

This project required several weeks of due diligence and planning beforehand to assure that the unit outlets & inlets for the associated ductwork, piping and wiring were placed in the proper locations to allow for reconnect of the existing services. Although this sounds like a fairly simple task, it is not as easy as it appears. There were several reiterations of the RTU shop drawings before the units were approved for manufacturing. Once approved, the units took about 12 weeks to receive. During this waiting period, additional planning and coordination was required for the Helicopter landing and material and equipment staging area.

Understandably, a manufacturing facility will have a constant flow of traffic from the employees and the 18-wheelers that come in to get loaded for distribution to the Meijer facilities. Because of this it was important that we were able to find a location for the equipment central to the two buildings we would be working on but still keeping them out of the way of traffic. The helicopter planning required a little more than determining the landing location. It was imperative that we notify and coordinate with Care Flight as well as Dayton International Airport to be sure that the helicopter would not interfere with the flight path of either operation. In



In addition to this, we notified the local Police Department and Fire Station of the helicopter lift in case of an emergency. In the end, the removal of old and installation of new went off without a hitch. It was an exciting experience to witness the execution of all the careful planning that took place to make this project a success.

### **Scope of Work:**

Demo Existing and Replace with Six (6) – Roof Top Units  
Electrical Wiring / Connections  
Controls



### **The Details**

Size of Project: 3 Buildings  
1.8 Million SF Distribution Center

Length of Construction Project: 2 Weeks

Percentage of Work Performed: 90%