

**Lonza, Portsmouth, NH  
Increase Storage / Maintain Product Access**

Lonza, headquartered in Basel, Switzerland, is one of the world's leading suppliers to the pharmaceutical, healthcare and life science industries.

Lonza is a contract developer and manufacturer for liquid and powder pharmaceuticals. The company stores raw materials, manufactures biotherapies, and ships products from the Portsmouth, NH location. Due to storage space constraints, the company stored raw materials offsite. However, the raw materials required a controlled environment that was unavailable at the offsite location. Lonza came to Abel Womack for a design to expand its existing temperature & humidity controlled warehouse space.

The existing warehouse area was filled with selective deep lane / push back rack. The storage capacity of the area was at its maximum. Abel Womack evaluated the storage space and proposed an electric mobile storage rack system with infrared safety sweeps and controls systems. Once the project was completed, all product could be accessed 100% of the time.

As a key cost savings feature, Lonza's existing rack was disassembled and then re-installed onto the new carriages. Very little new rack was purchased. **Abel Womack's mobile rack solution increased the area's storage space by 46%.**

Cleanliness during construction was a prime concern for Lonza. A wet saw was used to cut recessed track into the concrete floor, which minimized dust and potential contamination issues.

**Project Key Features**

**Challenge**

- Raw materials stored offsite. Needed humidity and temperature control. Expand existing storage area to store materials on-site.

**Abel Womack Solution**

- Installed mobile storage system to expand existing storage area in Lonza's Portsmouth warehouse.

**Benefits**

- Increased storage capacity by more than 46%.
- Cost savings by reusing existing rack.
- Maintain 100% product access.



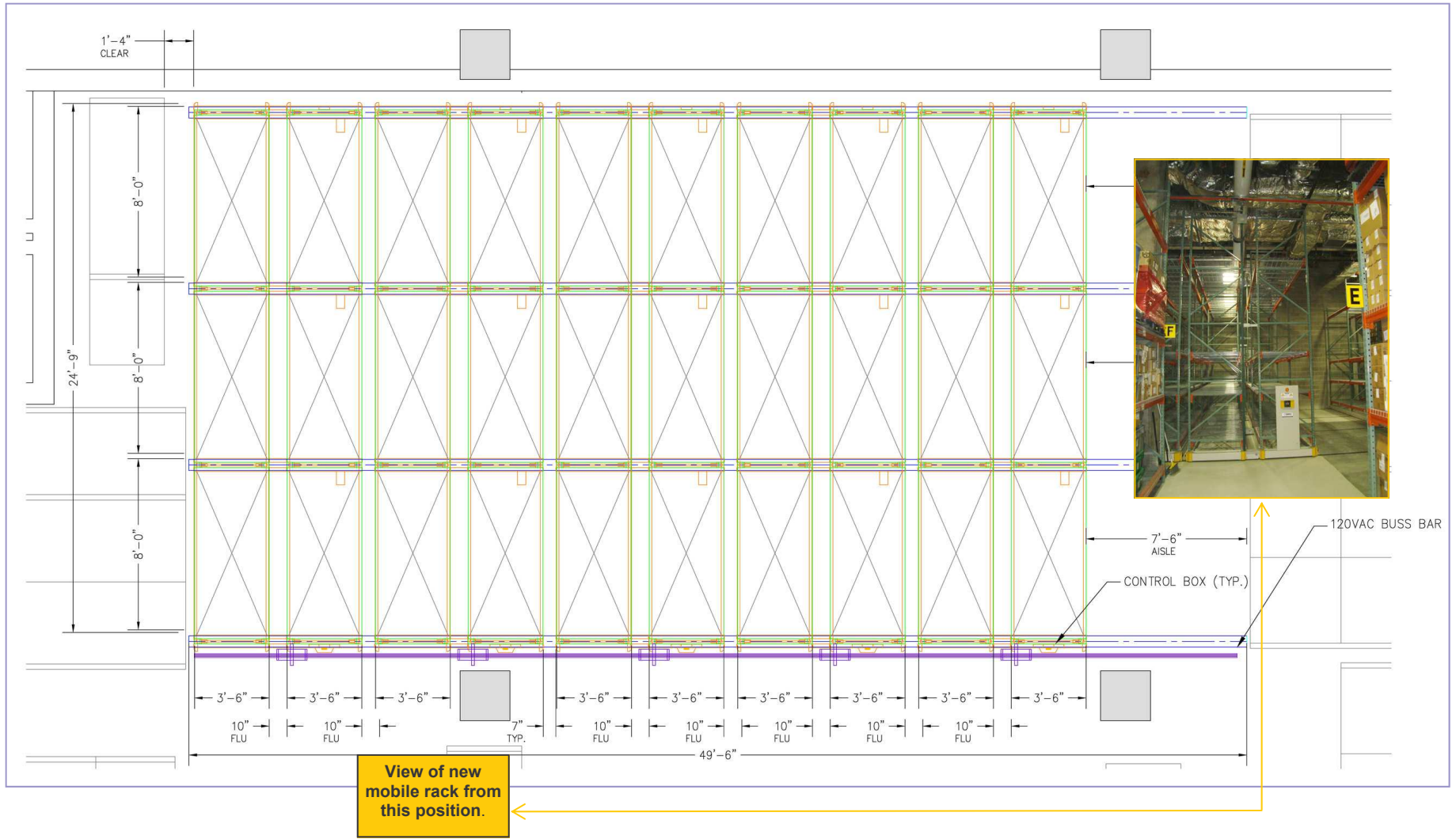
**Reach truck accessing open rack area (left, top and bottom).  
Mobile rack in closed position (right).**

**Storage Area Size:** 1500 SF

**Completion Date:** 2010

**Industry:** Pharmaceutical

**Lonza**



**Drawing of mobile storage rack solution with a Series 16 electric carriage system including infrared safety sweeps and controls systems.**