



HEALTHCARE PROJECT STUDY

LEHIGH VALLEY HOSPITAL HAZLETON

HIGHER EFFICIENCY EASIER ACCESS

Lehigh Valley Hospital—Hazleton was expanding its operations and needed to add storage capacity for their operating rooms and sterile storage.

The existing storage environment consisted of wire shelves, closed door cabinets and miscellaneous shelving units crowded into a storeroom. Additionally, equipment was lined up in front of shelving units because there was nowhere to go with it. This situation made it difficult for staff to quickly find and retrieve supplies, and it was hard to manage inventory.

Reynolds worked with the team at LVH Hazleton to design a storage solution that would meet their needs, timeline, and budget.

The design included a movable shelving system, consisting of 2 movable shelving ranges and 1 fixed range. In total 5 rows with 19 shelving sections.

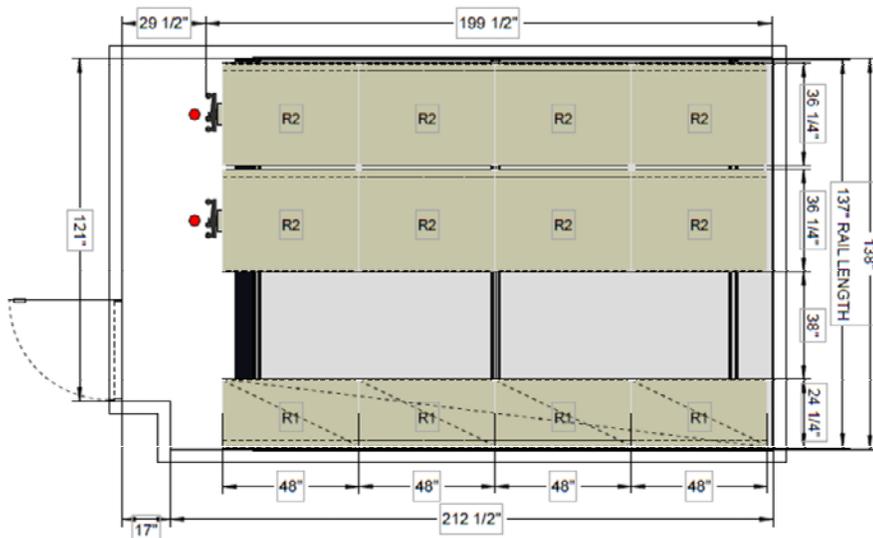
LVH had three goals for the project:

- 1) **Make it easier for staff to quickly find and retrieve supplies**
- 2) **Increase the storage capacity of their existing space and allow for rapid growth now and in the future**
- 3) **Streamline stocking and inventory management. With everything neatly organized, it is now easy to refill inventory and account for existing items. No more surprises hiding on overcrowded shelves.**



AT A GLANCE PROJECT BENEFITS

- Movable shelving system adds 85% more storage capacity in the existing space
- The system allows LVH to use existing lighting and fire suppression systems
- **Keypad operation allows hands-free access to inventory**
- With grout-less installation (standard) the system can easily be moved and expanded (with no damage to existing floor) in the future
- **Safety sensors prevent carriage movement when an aisle is occupied**
- Easy leveling can accommodate uneven/shifting floors
- Datum 5" wheels (the best on the market) make even the heaviest loads effortless to move (either manually or mechanically)
- Non-slip flooring provides safety, durability and easy cleaning
- **Anti-microbial shelves**
- Matching end panel and shelving paint keeps look neat and consistent



LVH-HAZLETON

Operating Room and Sterile Storage Solution



**High Density Movable Shelving
Adds 85% More Storage
Capacity and
Hands-Free Operation**



BEFORE



- Room for Growth
- Easy Access to Aisles and Shelves
- Anti-Microbial Finish
- Movable and Expandable in the Future
- Safety Motion Sensors Keep Occupied Aisles From Closing
- Hands-free Operation with Touchpad
- Easy Glide Rails
- Utilize Existing Lighting and Fire Suppression
- Easy Visibility to Supplies
- Simple Stocking and Inventory Management