

CASE STUDY:

A SPECIAL SOLUTION FOR SPECIAL FORCES

Retrofitting an entire arms room
for a tactical military unit.

[1.0] PROJECT OVERVIEW

Our client was looking to replace their unit's outdated equipment in their arms room. Our competitor's 44 inch tall retractable-door lockers no longer met their specific storage needs, and their modification table of organization and equipment (MTOE) was growing. We learned their unique requirements and got to work designing a weapon storage system that would work perfectly for their needs.



[2.0] THE UNIQUE STORAGE REQUIREMENTS

Our client had very unique needs based on the types and number of weapons they were storing, the deployment time and the space they had to work with. The unit had over 600 firearms, plus a large number of spare barrels and receivers.

Each soldier had an M4 with top & side-mounted optics, along with other attachments outfitted to the soldier's preferred layout. This creates issues for many storage systems as weapon accessories overlap and can interfere with each other.

The system needed to support weapons stored with the magazine well facing in. This is an uncommon storage method. The fully-accessorized M4s wanted to tip out of the rack with their natural lean – creating an unsafe situation for the armorer and gun.

The unit's Glock sidearms were fully accessorized too, with each gun having a flashlight.

Weapons Stored:

- M4
- Glock Hand Guns
- MK20
- Sniper Rifle
- M320 Launcher
- M240
- M249
- MK13 40mm Launcher
- M2 .50 Cal
- MK19
- MK47
- Carl Gustav
- MP5
- MK17 SCAR



[3.0] **DASCO'S STORAGE SOLUTION**

Dasco specialists help tactical teams create functional storage systems that work for their unique and high-intensity situations. For this team, we recommended a system that combined fixed banks of 84 inch tall bi-fold weapon racks with bi-fold weapon racks on mobile carriages. This combination offered lots of room for their MTOE to grow.

We chose 84 inch high racks instead of stacked 48 inch high racks because they offer more uninterrupted interior modularity. The entire locker is open to configure, allowing horizontal storage of long guns or lots of sidearm storage between 2 rows of rifles. It's also easier to keep track of 1 padlock instead of 2.

To fix the issue of having fully accessorized weapons knock together, we designed an adjustable gripflex barrel saddle. This saddle is very deep and features a rubber clamp to hold the barrel in place. This saddle, combined with the saddle outlined below, offset every other gun to maximize space in the cabinet. This allowed the guns to be stored without touching.

To prevent the M4s from tipping off the rack, we created a barrel saddle with a much shallower rest than normal. This increased the lean angle of the weapon to keep it in place.

The final component we created was an extended pistol peg. The longer peg ensured the pistol and all of its attachments were kept a safe distance from the back wall.

The tactical unit is still using our systems and continuing to fill them with more weapons. They love that our system grows with them. When they need more or different components, they quickly place an order and start using the new components with their system.

