

# MAXIMIZING STORAGE EFFICIENCY FOR PRO-TEK VAULTS WITH HIGH-DENSITY SHELVING



## THE CHALLENGE:

PRO-TEK Vaults, an industry leader in film preservation, media curation, and digital media services, specializes in preserving valuable film reels for a wide range of clients, including film studios, historical societies, and museums. With a growing inventory of film reels, PRO-TEK Vaults needed to expand its storage capacity while continuing to be able to access and preserve these delicate artifacts and ensuring their long-term preservation.

As PRO-TEK Vaults expanded its client base and acquired more film reels, the need for additional storage solutions became paramount. Traditional shelving systems were never a solution for PRO-TEK as they were inefficient and consumed valuable floor space, limiting the capacity for storing additional reels. Moreover, accessing specific reels was time-consuming and posed the risk of damage to the delicate film material.

## THE SOLUTION:

Considering PRO-TEK Vaults' storage needs and space constraints, McMurray Stern proposed a solution centered around Spacesaver's high-density shelving – a customizable system designed to maximize storage capacity and accessibility. High-density shelving was the best solution for PRO-TEK Vault's challenge based on the functionality, weight, and engineering of their current archival storage. The system would allow PRO-TEK to incorporate their own custom-designed systems for climate and humidity control, preventative fire suppression, anti-tip seismic bracing, bar-code tracking and inventory management, and security camera monitoring. "Since 2013, we have consistently maintained a strategic partnership with PRO-TEK Vaults," stated Randy Hacker, Senior Design & Integration Consultant.

## IMPLEMENTATION PROCESS:

McMurray Stern worked closely with PRO-TEK Vaults to design a high-density shelving layout that would accommodate the varying sizes and formats of film reels in their collection. We were pleased to be able to increase their storage capacity, and implemented approximately 200 carriages for each vault, 12' height, 43' length. After the job was completed, we are proud to say McMurray Stern solved the challenge. Utilizing Spacesaver's innovative shelving technology, McMurray Stern configured the system to feature movable aisles, allowing PRO-TEK Vaults to compactly store reels while maintaining easy access to each shelf.

The installation process was meticulously coordinated to minimize disruption to PRO-TEK Vaults' operations. McMurray Stern's experienced team ensured that the shelving system was installed efficiently and seamlessly integrated into PRO-TEK Vaults' archival storage facility. Additionally, McMurray Stern ensured the shelving had the bearing to hold the weight of valuable film and reel assets. This project added capacity for over 600,000 film reels bringing PRO-TEK's total film inventory to nearly 2 million reels - with additional capacity for more.



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## THE RESULTS:

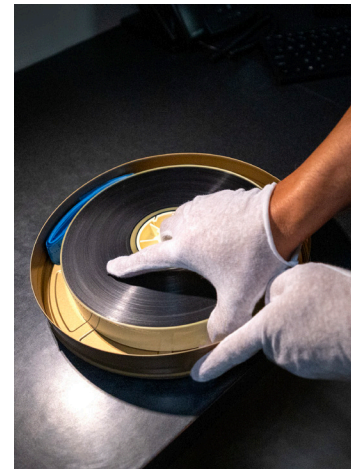
By implementing high-density shelving from McMurray Stern, PRO-TEK Vaults achieved significant improvements in storage efficiency and organization:

**Maximized Storage Capacity:** The high-density shelving system enabled PRO-TEK Vaults to optimize its storage space, increasing capacity without the need for additional square footage.

**Enhanced Accessibility:** With movable aisles, PRO-TEK Vaults enjoyed effortless access to their additional inventory of film reels, reducing retrieval times and streamlining workflow processes.

**Preservation of Film Reels:** The Spacesaver shelving system provided a secure and stable environment for storing film reels, minimizing the risk of damage from improper storage conditions.

**Improved Operational Efficiency:** The streamlined storage and retrieval process ensured a high level of productivity and operational efficiency for PRO-TEK Vaults, ultimately benefiting their clients and maintaining their reputation for excellence in archival preservation.



## CONCLUSION:

Through the collaborative partnership between McMurray Stern and PRO-TEK Vaults, the implementation of high-density shelving solutions has optimized the storage and preservation of film reels. By addressing PRO-TEK Vaults' specific needs and challenges, McMurray Stern has helped them achieve greater efficiency, organization, and peace of mind in safeguarding their valuable archival collections.