

## A Case Study:

# US Door & Building Components Teams Up With Caliber Metal Buildings On a Project To Convert Open Canopies into Enclosed Premium RV & Boat Storage

Lake Powell and the surrounding Glen Canyon National Recreation Area located in Northern Arizona and Southern Utah is said to be one of the most beautiful places in the world. Every year over 3 million people visit the 186 mile long lake, including owners of some of world's largest houseboats.

Due to the large amount of recreational activities in the area, there is an increasing demand for storage of RV's and boats.

Located near the heart of the activities is Lake Powell Boat and RV in Page, AZ. Recognizing the need for more enclosed storage facilities for their customers, the owners of Lake Powell Boat and RV asked US Door & Building Components to enclose canopies at their current storage site. US Door partnered together with Caliber Metal Buildings to convert three of the RV and boat canopies into three enclosed buildings. The new buildings are each 80' by 40' resulting in nearly 10,000 square feet of new premium storage.

The original canopies were open to the elements and had AB grade gravel for flooring. Before beginning the project, the owner added a 4" concrete slab as a base for the buildings. The concrete provides a smooth, low maintenance floor and prevents rain from seeping into the units. A 1/2" rain lip was designed into the building for the doors to prevent rain from entering the units and help reduce the amount of dust and dirt, providing a much cleaner place to store items.

Because of the custom design, US Door performed extensive field measurements of the existing canopies. The measurements were used to design a building wall system and allow the use of the existing canopy roof, resulting in cost savings to the site owners. The design incorporates roll-up door openings, structural jambs and headers, unit partitions, building corners and trim.



Caliber Metal Buildings erected the structural steel for the buildings. Due to the height of the buildings, Caliber used a scissor lift at the job site.



### PROJECT:

Lake Powell Boat and RV Storage

### BUILDING OWNER:

Dean Dacey

### LOCATION:

Page, AZ

### SQUARE FEET:

9,600

### COMPLETED:

Summer 2007

### MANUFACTURER:

US Door & Building Components

### SYSTEMS:

Roll-Up Doors  
Structural Headers & Piers

The lift allowed the installation (erection) crew to work quickly and safely. From the time the crew arrived until the job was complete was less than two weeks. "A quick installation time was important to our customer" said Rob Finelli of Caliber Buildings. "Creating the least amount of inconvenience to existing storage customers was a goal from the time we arrived until the job was completed".



Each building, while being the same square footage, was designed differently to accommodate different sized boats and RV's. In addition, 16 new self-storage units were added to the buildings. Building 6 is split into 13 bays, Building 7 into 13 and Building 9 into 8. Buildings 6 and 7 can store vehicles and boats up to 10'6" wide by 35' in length. Building 9 can hold items up to 13'6" feet wide by 35' feet long. The interior height of the buildings is over 15' high. Each building features horizontal partitions with full height studs providing extra security for customers and added support for the building structure.



In addition to designing the building enclosure, US Door manufactured the roll-up doors, the trim for eaves and door openings, partition walls and metal studs. The custom folded trim for the eaves and openings was produced using US Door's computer aided folding machines creating accurate parts quickly.



Two US Door models were used in the door openings. For the smaller openings on the self-storage units the owner chose the Model 501 roll-up doors. For the larger openings, the Model 652 doors were specified for their ability to resist high winds and have the additional security of wind locks to provide a secure fit. Model 652 doors also feature nylon wind locks creating a quieter, smoother operation and easier installation than other types of wind load doors.

The new buildings are a lightstone tan color with a patriot red trim and doors, matching existing buildings already on the site.

US Door & Building Components has been a major international supplier to the self-storage industry for over 30 years. In addition to supplying roll-up doors, they offer a complete portfolio of related products including hallway and corridor systems, swing doors, lockers, EZ Access wicket doors, relocatable buildings and mezzanine systems. Products are available with factory-guaranteed installation. For more information call 407-859-6770 or go to [www.usdoor.com](http://www.usdoor.com).