

## Cost-effective twin-link structure creates massive air cargo facility



A unique twin-link structure, fabricated with durable Shelter-Rite® fabric, capably and cost-effectively met United Airlines' need for a durable cargo storage facility that could be constructed very quickly.

Built by Rubb Inc. at the Honolulu International Airport in Hawaii, the structure covers a 70,000-square-foot area. Each of the two spans is 125 feet wide and 280 feet in length, with a wall height of 25 feet. The building, used to store cargo being shipped to and from Japan and the Mainland, is the largest of its kind in Honolulu.

The lower walls of the building were fabricated with metal siding for added security, while Shelter-Rite® fabric was selected for the upper walls and roof. Strong enough to withstand the stresses of the huge structural spans, the fabric also has proven to withstand winds up to 90 mph and gusts up to 103 mph. A Tedlar® top finish on the fabric enhances its ability to resist the effects of long-term exposure to UV rays and damaging jet fuel fumes. For a long-term attractive appearance, the Tedlar® finish on the fabric will also shed dirt.

In addition to helping hold down the actual cost of constructing the building, the white translucent fabric provides energy savings, letting in daylight and eliminating the need for artificial lighting during the day.



### Client: United Airlines

**Fabric:** Shelter-Rite® Style 8028 translucent PVC with white Tedlar® coating by Seaman Corporation

**Architect:** Peter Shi & Associates

**Fabrication and Installation:** Rubb Inc.