

# Airport Buildings



Departure Lounge



Baggage screening structures



Snow removal equipment storage



Passenger corridors



Cargo-sort facilities



Emergency equipment storage



Baggage handling buildings



**Build  
Faster**

Sprung's tensioned-membrane structures deliver cost-efficiency, rapid installation and clear-span interiors that maximize flexibility and performance. Durable, expandable and relocatable, our buildings redefine what's possible in airport structure design.

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# Airport Buildings

**Build Faster**

Engineered & Manufactured by Sprung Structures



**Southwest Airline (SWA)  
Kansas City International Airport (MCI)  
Kansas City, Missouri  
90' wide x 130' long**

While Kansas City International Airport underwent a series of major renovations, Southwest Airlines needed an interim baggage handling facility on-site. Having collaborated with Sprung on a number of projects in the past, executives at Southwest chose Sprung to provide them with a fast, flexible and cost-effective solution. Sprung designed and delivered a fully insulated baggage facility building, which came complete with a conveyor system that extended from the airport's conventional terminal building into the temporary structure. Not only did this conveyor need to be covered, it also had to cross a traffic lane used by baggage tugs. To ensure baggage would flow without issue, Sprung engineered a large opening to allow for tug traffic to run underneath the protected conveyor.



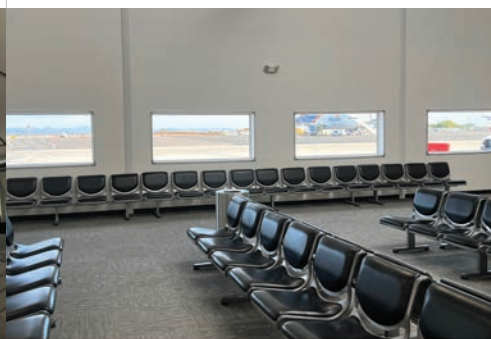
**Mesa Gateway Airport  
Mesa, Arizona  
60' wide x 105' long  
14'3" wide x 190' long (connecting corridor)**

When Arizona's Mesa Gateway Airport was about to undergo renovations to its terminal, airport officials identified the need for a safe, temporary enclosure where passengers could walk from security and then gather in a concourse prior to boarding their flight. After exploring several modular options, including trailers and other fabric buildings, officials concluded that Sprung would deliver the fastest, most comfortable and aesthetically pleasing solution. Sprung provided both the connecting corridor and the concourse structure, the latter of which offers ample space and natural light for passengers, thanks to its large windows and daylight panels. Although this was originally meant to be a temporary project, Mesa Gateway Airport ended up purchasing the structure, and there are plans to repurpose it once the conventional construction of the terminal is completed.



**Denver International Airport  
Denver, Colorado  
Five - 70' wide x 180' long**

Due to its high elevation, Denver International Airport often receives an abundance of snow, which must be removed regularly by the airport's maintenance crew. To store its newly purchased fleet of snow-removal vehicles, the airport needed a number of durable shelters that could withstand high winds and heavy snowfall. Within six months, Sprung had erected five fully insulated, relocatable structures to house the airport's 40 custom-made vehicles. Featuring clear-span interiors, skylights for optimizing daylight, and engineered flat ends to accommodate the airport's sloped asphalt and concrete taxiway, the structures are also equipped with custom overhead door systems that are paired with remote controls in each vehicle, offering quick and efficient access.



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