



# FRESNO AIR NATIONAL GUARD IGLOO

**Military**  
Ammunitions shelters

United States, California, Fresno



**Owner / Client :**  
California Air National Guard

**Engineer :**  
Mead & Hunt, Inc,

**Main contractor :**  
Cooper Chase

**Terre Armée entity :**  
The Reinforced Earth Company  
(United States)

**Date :**  
2015

**Activity :**  
Concrete arches and boxes

**System :**  
TechSpan

**Key figures :**  
Span : 7.6 m  
Length : 23.6 m



## The Project

To construct a new storage facility for munitions used by the CA Air National Guard.

## The Solution

The precast arch system was delivered and erected in two eight hour shift by a crew of three labors and a superintendent. The resultant was significant time savings in the contractor's schedule.

## The Advantages

The design considers blast loading to control propagation in the event of an explosion inside or nearby the munitions storage igloo, while providing an alternative solution to traditional cast in place concrete for constructing complex arch structures.

