



**Northrop Grumman
Von Karman Environmental Test Facility**

Client:
Northrop Grumman

Location:
Azusa, CA

Size:
13,500 SF Addition

Cost:
\$10,000,000

Completed:
2000 (in phases)

- Higher Education
- K-12 Schools
- Athletic Facilities
- Child Development
- Technical**
- Office/Commercial
- Religious
- Housing

This building serves as a test facility for space based optical systems. TDM designed a \$10 million expansion which included large environmental test chambers for testing electronic and optical components in the vacuum of outer space. The project included a class 10,000 (particles per million) clean room and class 100,000 (particles per million) high bay assembly room. The size and scope of the mechanical systems and coordination with the user requirements created a true challenge for the design team, which was successfully achieved on schedule.

