

Featured Project

Grand Canyon National Park U.S. National Park Service

Arizona

Located in Arizona, the Grand Canyon was carved by the Colorado River over the last 17 million years. The Canyon measures 277 miles long, up to 18 miles wide, and attains a depth of over a mile. The area was inhabited by Native Americans who built settlements within the Canyon and its many curves. The Grand Canyon was established as a National Park by an Act of Congress signed into law by Woodrow Wilson in 1919. Today, the Grand Canyon is one of the World's premier natural attractions, attracting about 5 million visitors per year.

ArcSine Engineering provided electrical/fire alarm design for the construction of a 7,600-square-foot climate-controlled museum/storage facility. The facility contains offices, meeting rooms, public use areas, wet labs, dark room, biology room, supply shop, curator processing, and archeology archives. This facility is dedicated to storage and research, preserving the physical artifacts that tell the various aspects of the Grand Canyon story. This facility houses over 900,000 objects from seven different disciplines: archeology, ethnology, history, archive/manuscripts, biology, geology, and paleontology.

ArcSine Engineering prepared contract drawings suitable for plan check review and obtaining competitive bids. Contract drawings included the following design items:

- Electric utility coordination.
- 600-amp electrical service entrance.
- Design of a motor control center & controls for HVAC equipment.
- Complete building power distribution design.
- Complete interior/exterior building lighting design.
- Complete fire/intrusion alarm design.
- Complete electrical/fire specification

Electrical
Lighting
Controls
Power Distribution
Field Investigation

