

Brannon Inc. dba Smith Electric		
<b>Contract # / Awarded Prime Contractor</b>	XUMU 09-1635B	Lakeshore Engineering
<b>Project Title:</b>	Renovation of Hangar, Building 1735	
<b>Project Location:</b>	Vandenberg Air Force Base, CA	
<b>Project Owner &amp; POC:</b>	30 CONS	United States Air Force
<b>Construction Costs:</b>	<b>Award:</b> \$3,950,000.00	<b>Final:</b> \$4,462,297.00
	<b>Cost Growth Explanation:</b> General Contractor added scope to our subcontract.	
<b>Construction Dates:</b>	<b>Award:</b> 10/15/2010	<b>Start:</b> 11/1/2010
	<b>Scheduled Completion:</b> 10/31/2011	<b>Actual Completion:</b> 12/15/2011
	<b>Schedule Growth Explanation:</b> Modification to contract extended period of performance.	
<b>Other Team Members Involved in this Project:</b>	Dane Austin James O'Reilly	
<b>Description of Project:</b>		

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This project was a design build (DB) construction effort which consisted of the converting the existing hangar, Building 1735 at VAFB, to house the new Unmanned Aerial Vehicle (UAV) mission. The hangar was originally configured to house a helicopter squadron and needed architectural, mechanical, electrical, fire protection, and security modifications to make the hangar suitable for UAV's. The building has an east and west wing on each side of the hangar. Each of these wings was converted to SCIF's under this contract. The East Wing SCIF is 5,300 ft<sup>2</sup> and the West Wing SCIF is 5,100 ft<sup>2</sup>.

Smith handled the design and construction of the mechanical and electrical portions of the SCIF construction. UFC 4-010-05, Sensitive Compartmented Information Facilities Planning, Design, and Construction, was used by the designers and installers as a guideline for this project. The mechanical effort included man bars in all ducts 96 in<sup>2</sup> or larger. The man bars were fabricated of ½" Ø high strength steel bars at 6" on center welded vertically and horizontally to a high strength steel frame. At each location where the man bars were installed, duct access doors within the SCIF space were installed to allow for inspection. These are the key components of the electrical work for the SCIF:

- Vindicator Access Control via keypad/card readers.
  - Electronic door strikes.
  - Vindicator Intrusion Detection.
  - Balanced Magnetic Door Switches and Passive Infrared Sensors with tamper alarms.
  - Security workstation for Site Security Manager.
  - Alarming of emergency exits from SCIF.
  - Closed Circuit Television system.
  - Surface mounted communication and data raceways for both classified and unclassified cables/fiber. Raceways installed with required minimum separation distances. Raceways are labeled with the appropriate designation.
  - Rotating lights to indicate the presence of non-SCI-indoctrinated personnel inside the SCIF perimeter.
  - Security panels are backed up by a rack mount uninterruptible power supply sized to provide 24 hours of backup power.
  - Mass Notification System.
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