

2013 USAF DESIGN AWARDS Program

2013 USAF Design Awards



Jury Results

U.S. AIR FORCE



2013

USAF Design Awards Program

Jury Members

Col Scott Hartford	AFCEC/CF	<i>Engineer</i>
Dr. Barry Mines	AFCEC/CO	<i>Engineer</i>
Ms. Sandra Warner	AFCEC/CF	<i>Interior Designer</i>
Mr. Gary Krewson	AFCEC/CF	<i>Architect</i>
Mr. Theodore Shierk	AFCEC/CF	<i>Landscape Architect</i>
Mr. Rick Sinkfield	AFCEC/CF	<i>Architect</i>



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Results by Using Command

Using Command	Number of Entries	Honor Awards	Merit Awards	Citation Awards	Total Winners
ACC	0	0	0	0	0
AETC	2	0	0	0	0
AFDW	1	0	0	0	0
AFGSC	4	0	1	0	1
AFMC	9	1	0	1	2
AFRC	1	0	0	0	0
AFSPC	4	0	1	0	1
AMC	4	0	0	1	1
AFSOC	0	0	0	0	0
NGB	4	1	2	0	3
PACAF	0	0	0	0	0
USAFE	1	0	0	0	0
Total:	30	2	4	2	8



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Honor Award Facility Design

Civil Engineer Complex

New Jersey Air National Guard, Joint Base McGuire-Dix-Lakehurst

Design Organization: SAIC Energy, Environment Infrastructure, LLC

Using Command: National Guard Bureau

Design Agent: US Property and Fiscal Office for New Jersey

Base Engineering Organization: 108th Civil Engineer Squadron

Juror comments:

- ***Awesome facility for our Civil Engineers—replaced a 1940's era complex with a modernized office complex, CE yard for vehicles, and covered facilities snow fleet equipment***
- ***Attractive facility and under budget too!***
- ***Subtle, contrasting use of durable materials and colors to produce a sophisticated design***
- ***Constructed new facilities on tightly constrained site while not dislocating the existing functions in the process***
- ***A cohesive design integrating the exterior, interior, maintenance, and material and vehicle storage***



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**Honor Award
Facility Design**

Civil Engineer Complex

New Jersey Air National Guard, Joint Base McGuire-Dix-Lakehurst





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Honor Award

Facility Design

Medical/Dental Clinic

Tinker Air Force Base, Oklahoma

Design Organization: Sherlock Smith Adams

Using Command: Air Force Materiel Command

Design Agent: Tulsa District US Army Corps of Engineers

Base Engineering Organization: 72nd Civil Engineer Squadron

Juror comments:

- ***From the exterior, the building communicates the well managed spaces on the interior***
- ***Incorporated Enhanced Commissioning as well as training for clinic maintenance personnel by the Commissioning Agent***
- ***Bringing day lighting through the interiors is very well done***
- ***Design anticipates a 31% decrease in energy consumption, a 24% decrease in energy costs, a 100% decrease in potable water use for sewage conveyance and a 40+% reduction in overall potable water usage***
- ***Excellent example of good massing and site selection/placement of footprint***

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**Honor Award
Facility Design**

Medical/Dental Clinic
Tinker Air Force Base, Oklahoma





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Merit Award

Facility Renovations and Additions

Squadron Operations

Kansas Air National Guard, Forbes Field, Topeka

Design Organization: Horst Terrill Karst Architects, P.A.

Using Command: National Guard Bureau

Design Agent: US Property and Fiscal Office for Kansas

Base Engineering Organization: 190th Civil Engineer Squadron

Juror comments:

- ***Corner fenestration details are well articulated***
- ***Love the day lighting. Good project inside and out***
- ***Huge aesthetic and functional turnaround from “mole hole” alert facility to modern facility***
- ***Good example of achieving AF standards by repurposing an old (1958) moldy and damp facility on a multilevel site, introducing daylight into the interior, and achieving a 31% energy reduction in order to provide a functional, flexible up-to-date facility***
- ***While specifically designed to the flying crew, the flexible office and support space will be well suited for any mission changes in the future***



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Merit Award
Facility Renovations and Additions

Squadron Operations
Kansas Air National Guard, Forbes Field, Topeka



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Merit Award Facility Design

D.G. Wolfe Sports Fitness Center

Vandenberg Air Force Base, California

Design Organization: C.H. Guernsey Company

Using Command: Air Force Space Command

Design Agent: Air Force Civil Engineer Center

Base Engineering Organization: 30th Civil Engineer Squadron

Juror comments:

- ***Brought within budget by cutting scope and delaying some amenities for future phases, yet obtained 33% of the Water and Energy/Atmosphere credits***
- ***Existing drainage swales did double duty acting as a natural AT/FP deterrent. Post-development runoff from the site is nearly non-existent***
- ***Open plan supports staff supervision of critical spaces and provides an airy feel to customers***
- ***Use of concrete tilt-up walls and long span trusses for the main gym saved on construction costs***



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D.G. Wolfe Sports Fitness Center
Vandenberg Air Force Base, California



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Merit Award Facility Design

Community Activities Center

Malmstrom Air Force Base, Montana

Design Organization: Tetra Tech, Incorporated

Using Command: Air Force Global Strike Command

Design Agent: Seattle District U.S. Army Corps of Engineers

Base Engineering Organization: 341st Civil Engineer Squadron

Juror comments:

- ***Expresses the local character and materials of the region***
- ***The rock and timber theme is carried into the interior for a warm and inviting, flexible and expandable spaces***
- ***Huge quality of life improvement for this austere and challenging cold weather location***
- ***Water efficient landscape, low use drip systems and low flow fixtures have been employed to reduce water consumption by 50%***
- ***Building design, in conjunction with energy efficient mechanical and electrical systems, have improved overall energy performance by 28%***

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Merit Award
Facility Design

Community Activities Center
Malmstrom Air Force Base, Montana





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Merit Award Facility Design

Low Observable Composite Repair Facility

Hawaii Air National Guard, Joint Base Pearl Harbor-Hickam

Design Organization: CH2M Hill

Using Command: National Guard Bureau

Design Agent: US Property and Fiscal Office for Hawaii

Base Engineer Organization: 154th Civil Engineer Squadron

Juror comments:

- ***This project raises the AF standard for industrial facilities***
- ***A human scale was maintained in the exterior massing and detailing of building functions compatible with the Art Deco style at the base***
- ***Native drought resistant landscaping, low flow water fixtures, energy recovery wheels, recirculated air, etc., all drove project to LEED Gold***
- ***Great concept for hangar doors that saves energy***
- ***Energy savings from reusing conditioned air and recovering cooling energy combined with lighting/HVAC energy reductions achieved an overall energy saving of 57%***



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**Merit Award
Facility Design**

Low Observable Composite Repair Facility
Hawaii Air National Guard, Joint Base Pearl Harbor-Hickam



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Citation Award

Landscape Architecture

Military Family Housing Drainage Repair

Edwards Air Force Base, California

Design Organization: Granite Construction

Using Command: Air Force Materiel Command

Base Engineer Organization: 412th Civil Engineer Division

Juror comments:

- ***Careful placement of small holding ponds and controlling moist areas near aircraft operations eliminate aircraft/bird strike hazards***
- ***Great example of large scale use of recycled materials. Used aggregate stockpile from years of demolished civil work projects***
- ***Simple, effective use of local materials and xeroscape to transport potentially contaminated rain water out of the housing area to retention ponds away from the airfield***



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Citation Award
Landscape Architecture

Military Family Housing Drainage Repair
Edwards Air Force Base, California





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USAF Design Awards Program

Citation Award

Facility Design

Consolidated Security Forces Facility

Grand Forks Air Force Base, North Dakota

Design Organization: Jacobs Engineering – Leo A. Daly

Using Command: Air Mobility Command

Design Agent: Omaha District US Army Corps of Engineers

Base Engineer Organization: 319th Civil Engineer Squadron

Juror comments:

- ***Flexibility throughout, rooms are designed with access to power and data***
- ***An example of using AF standard design criteria to integrate of building masses, both horizontal and vertical, and material banding, into an integrated whole***
- ***Two bioretention basins capture and filter runoff to maintain pre-project runoff conditions with signage to explain the basin function and our environmental responsibility***
- ***Durable materials and energy efficiencies and all under budget!***

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**Citation Award
Facility Design**

Consolidated Security Forces Facility
Grand Forks Air Force Base, North Dakota