

2013 USAF DESIGN AWARDS Program

2013 USAF Design Awards



Jury Results

U.S. AIR FORCE



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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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2013

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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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2013

USAF Design Awards Program

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*



2013

USAF Design Awards Program



Honor Award
Facility Design

Civil Engineer Complex

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





U.S. AIR FORCE

2013

USAF Design Awards Program

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*



U.S. AIR FORCE

2013

USAF Design Awards Program



Honor Award
Facility Design

Medical/Dental Clinic
Tinker Air Force Base, Oklahoma





U.S. AIR FORCE

2013

USAF Design Awards Program

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:

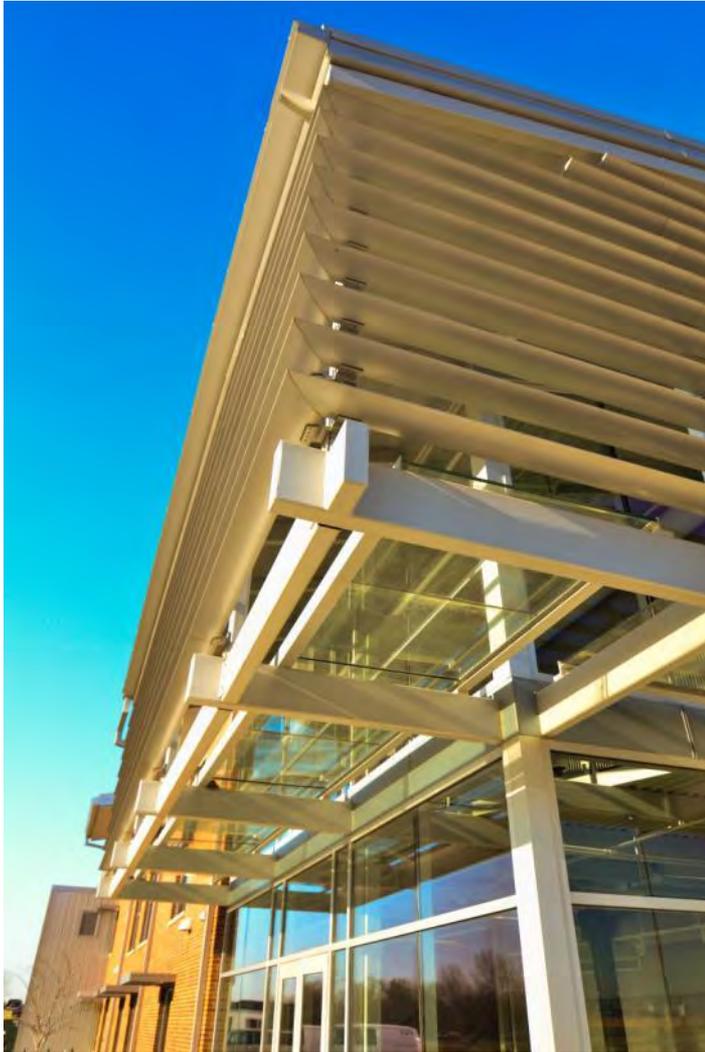
- *Corner fenestration details are well articulated*
- *Love the day lighting. Good project inside and out*
- *Huge aesthetic and functional turnaround from “mole hole” alert facility to modern facility*
- *Good example of achieving AF standards by repurposing an old (1958) moldy and damp facility on 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*



U.S. AIR FORCE

2013

USAF Design Awards Program



Merit Award
Facility Renovations and Additions

Squadron Operations
Kansas Air National Guard, Forbes Field, Topeka



U.S. AIR FORCE

2013

USAF Design Awards Program

**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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2013

USAF Design Awards Program



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



U.S. AIR FORCE

2013

USAF Design Awards Program

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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2013

USAF Design Awards Program

Merit Award
Facility Design

Community Activities Center
Malmstrom Air Force Base, Montana





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2013

USAF Design Awards Program

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%*



U.S. AIR FORCE

2013

USAF Design Awards Program



**Merit Award
Facility Design**

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



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2013

USAF Design Awards Program

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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2013

USAF Design Awards Program

Citation Award
Landscape Architecture

Military Family Housing Drainage Repair
Edwards Air Force Base, California





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2013

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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2013

USAF Design Awards Program



**Citation Award
Facility Design**

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