

2012 USAF DESIGN AWARDS Program

2012 USAF Design Awards



Winning Entries

U.S. AIR FORCE



2012

USAF Design Awards Program

Honor Award

Facility Renovations and Additions

Dormitory Renovation

F.E. Warren AFB, Wyoming

Design Organization: Omaha District US Army Corps of Engineers

Using Command: Air Force Global Strike Command

Base Engineering Organization: 90th Civil Engineer Squadron

Juror comments:

- ***Accomplished historic preservation while achieving LEED Certification, reducing energy needs by 46.1% and water consumption by 34.1%***
- ***I would want to live here!***
- ***Exceptional entry managing complex program (Air Force dormitory goals, historic preservation, LEED requirements) and acing the test under budget***



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2012

USAF Design Awards Program

**Honor Award
Facility Renovations and Additions**

**Dormitory Renovation
F.E. Warren AFB, Wyoming**





2012

USAF Design Awards Program

Honor Award

Facility Renovations and Additions

Historic Theater

Joint Base San Antonio – Fort Sam Houston, Texas

Design Organization: Killis Almond Associates

Using Command: Air Education and Training Command

Design Agent: Fort Worth District US Army Corps of Engineers

Base Engineering Organization: 502nd Civil Engineer Squadron

Juror comments:

- ***Saved 30% over new construction now while saving more than \$500K in energy cost and reducing water consumption over life of facility***
- ***Embodies all elements of design coming together harmoniously***
- ***Costs controlled by reflecting historic elements with modern materials and staying true to original facility rather than a complete reinterpretation***
- ***Program substantially increased the scope of the original facility while challenges were met not only with aesthetic results but was under budget and met high LEED criteria***



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USAF Design Awards Program

**Honor Award
Facility Renovations and Additions**

Historic Theater
Joint Base San Antonio – Fort Sam Houston, TX



KEVIN G SAUNDERS
PHOTOGRAPHY



2012

USAF Design Awards Program

Honor Award

Facility Design

CENTCOM Headquarters

MacDill AFB, Florida

Design Organization: Burns McDonnell Engineering Company, Inc.

Using Command: Air Mobility Command

Design Agent: Mobile District US Army Corps of Engineers

Base Engineering Organization: 6th Civil Engineer Squadron

Juror comments:

- ***A world-class, flagship facility that is flexible, adaptable to mission change, aesthetically pleasing, sustainable and technologically***
- ***Fine example of integrating resultant aesthetic and technologically advanced performance solution***
- ***Executed with a challenging phasing plan to accommodate occupants during construction while fighting a war!***



U.S. AIR FORCE

2012

USAF Design Awards Program

Honor Award
Facility Design

CENTCOM Headquarters
MacDill AFB, Florida





2012

USAF Design Awards Program

Merit Award

Facility Renovations and Additions

Office of Special Investigations Building

Charleston AFB, South Carolina

Design Organization: Glick Boehm and Associates

Using Command: Air Mobility Command

Base Engineering Organization: 628th Civil Engineer Squadron

Juror comments:

- ***Renovated a 4,500sf facility while providing 1,000 additional square feet and new energy efficient systems at less than new construction cost***
 - ***Provides the Air Force with a quality facility***
 - ***An innovative design approach to renovating a dated facility as an economical solution***
 - ***Facility improvements exponentially enhance the area development and set the bar for incremental development***
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U.S. AIR FORCE

2012

USAF Design Awards Program

Merit Award

Facility Renovations and Additions

Office of Special Investigations Building

Charleston AFB, South Carolina





2012

USAF Design Awards Program

Merit Award

Landscape Architecture

Antiterrorism/Force Protection Upgrade

Peterson AFB, Colorado

Design Organization: 21st Civil Engineer Squadron

Using Command: Air Force Space Command

Juror comments:

- ***Solved AT/FP, ADA and drainage/flooding concerns while providing a seamless pedestrian gateway from Base Operations***
 - ***Sustainable site, incorporates rain gardens, permeable pavers, and large planting areas, allowing positive groundwater recharge while reducing heat island effect***
 - ***Dry creek-bed and low water native trees, grasses, and colorful perennials, achieving a natural, regionally appropriate feel for visitors while reducing maintenance cost***
 - ***Saved \$400K in otherwise required stormwater infrastructure upgrades***
-

USAF Design Awards Program



Merit Award
Landscape Architecture

Antiterrorism/Force Protection Upgrade
Peterson AFB, Colorado



2012

USAF Design Awards Program

Merit Award

Landscape Architecture

Stormwater System

Cape Canaveral Air Force Station, Florida

Design Organization: SpecPro

Using Command: Air Force Space Command

Base Engineer Organization: 45th Civil Engineer Squadron

Juror comments:

- ***First- its-kind marriage of stormwater management and environmental cleanup***
 - ***Added 13 acres of critical native habitat and credits for future mission-related needs***
 - ***Removed exotic invasive species, mitigated with nearly 7000 plants of 21 native species***
 - ***Reuse of concrete rubble from other projects, saving \$85K disposal cost***
 - ***Stockpiling excavated soil will save \$4M in fill cost***
 - ***Saved \$60K in annual electric and \$30K in maintenance cost by eliminating two electrical treatment systems. Eliminated 244 tons of carbon load***
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Merit Award
Landscape Architecture

Stormwater System
Cape Canaveral Air Force Station, Florida



2012

USAF Design Awards Program

Merit Award

Facility Design

Fitness Center

Fairchild Air Force Base, Washington

Design Organization: ALSC Architects, P.S.

Using Command: Air Mobility Command

Design Agent: Seattle District US Army Corps of Engineers

Base Engineer Organization: 92nd Civil Engineer Squadron

Juror comments:

- *The complex programmatic relationships of this facility are enhanced by the design solutions achieved in execution*
- *Successful solution with exceptional technical aptitude reflected in both its execution under budget and achieving LEED Gold*



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2012

USAF Design Awards Program

**Merit Award
Facility Design**

**Fitness Center
Fairchild Air Force Base, Washington**





2012

USAF Design Awards Program

Merit Award

Facility Design

Fire Station

Nevada Air National Guard, Reno

Design Organization: Burns and McDonnell Engineering Company, Inc.

Using Command: National Guard Bureau

Design Agent: US Property and Fiscal Office for Nevada

Base Engineer Organization: 152nd Civil Engineer Squadron

Juror comments:

- *Nicely executed Fire Station – a modern update on classic facility type*
- *Design reflects careful consideration to building orientation on site*
- *Carefully details work and rest spaces taking advantage of natural light and roof*



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Merit Award
Facility Design

Fire Station
Nevada Air National Guard, Reno





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2012

USAF Design Awards Program

Merit Award

Facility Design

Warrior Fitness Center

Nellis Air Force Base, Nevada

Design Organization: Doug Walton Architect PLLC

Using Command: Air Combat Command

Base Engineer Organization: 99th Civil Engineer Squadron

Juror comments:

- ***Very innovative Enhanced Use Lease project***
- ***Embodies modern aesthetic and places importance on physical fitness***
- ***Air Force's commitment to "fit to fight" shows in this facility***
- ***Hit target to evoke a sense of pride, define a commitment to health and fitness, and enhance quality of life: job well done!***



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USAF Design Awards Program



**Merit Award
Facility Design**

Warrior Fitness Center
Nellis Air Force Base, Nevada



2012

USAF Design Awards Program

Merit Award

Facility Design

William A. Jones III Building

Joint Base Andrews, Maryland

Design Organization: CDM CAPE/AECOM Joint Venture

Using Command: Air Force District of Washington

Design Agent: Air Force Civil Engineer Center

Base Engineer Organization: 11th Civil Engineer Squadron

Juror comments:

- *Well executed, modern design*
- *Great reduction in apparent scale as façade turns the corner*
- *Superb work environment, good natural lighting and green roof*



2012

USAF Design Awards Program



**Merit Award
Facility Design**

William A. Jones III Building
Joint Base Andrews, Maryland



2012

USAF Design Awards Program

Citation Award

Facility Renovations and Additions

C-130 Squadron Operations/Aircraft Maintenance Unit

Peterson Air Force Base, Colorado

Design Organization: Architectural Nexus

Using Command: Air Force Reserve Command

Host Command: Air Force Space Command

Design Agent: Omaha District US Army Corps of Engineers

Base Engineer Organization: 21st Civil Engineer Squadron

Juror comments:

- ***Connected two existing facilities with flexible, energy efficient space***
 - ***Designed to meet Air Force needs into the future***
 - ***Elegant solution, infill project reflects and enhances both existing structures and indicates a change in organization through design language***
 - ***Materials and sustainable approach are reflected in enhanced design aesthetic***
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U.S. AIR FORCE

2012

USAF Design Awards Program

Citation Award

Facility Renovations and Additions

C-130 Squadron Operations/Aircraft Maintenance Unit

Peterson Air Force Base, Colorado





2012

USAF Design Awards Program

Citation Award

Facility Design

East Side Three Bay Fire Station

Hill Air Force Base, Utah

Design Organization: Architectural Nexus

Using Command: Air Force Materiel Command

Design Agent: Sacramento District US Army Corps of Engineers

Base Engineer Organization: 75th Civil Engineer Group

Juror comments:

- *Good use of natural lighting in apparatus bay*
- *Under budget and LEED Gold make this modern interpretation of an AF Fire Station*
- *Architectural character and scale enhance its prominence with respect to other/larger flightline support facilities*



U.S. AIR FORCE

2012

USAF Design Awards Program

Citation Award
Facility Design

East Side Three Bay Fire Station
Hill Air Force Base, Utah





2012

USAF Design Awards Program

Citation Award

Facility Design

Human Performance Wing

Wright-Patterson Air Force Base, Ohio

Design Organization: Cannon Design

Using Command: Air Force Materiel Command

Design Agent: Louisville District US Army Corps of Engineers

Base Engineer Organization: 88th Civil Engineer Group

Juror comments:

- *Herculean undertaking executed early and under budget*
 - *Great execution of complex programming requirements*
 - *Concurrent fabrication on site and off of components is exceptional*
 - *Careful phasing to ensure receipt of support equipment makes this design and execution an impressive undertaking*
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U.S. AIR FORCE

2012

USAF Design Awards Program

Citation Award
Facility Design

Human Performance Wing
Wright-Patterson Air Force Base, Utah





2012

USAF Design Awards Program

Citation Award

Facility Design

Shepperd Hall

Joint Base Andrews, Maryland

Design Organization: CH2M Hill

Using Command: National Guard Bureau

Host Command: Air Force District of Washington

Design Agent: US Property and Fiscal Office for Maryland

Base Engineer Organization: Air National Guard Readiness Center

Juror comments:

- ***An architecturally significant statement facility reflecting a changing time with a changing design language***
- ***Variables include siting on a Joint Base, and a consolidated mission driven by BRAC***
- ***A thoroughly modern facility harmonious with the installation***
- ***Does not try to mimic existing styles as much as set the bar for the next generation without being over the top***



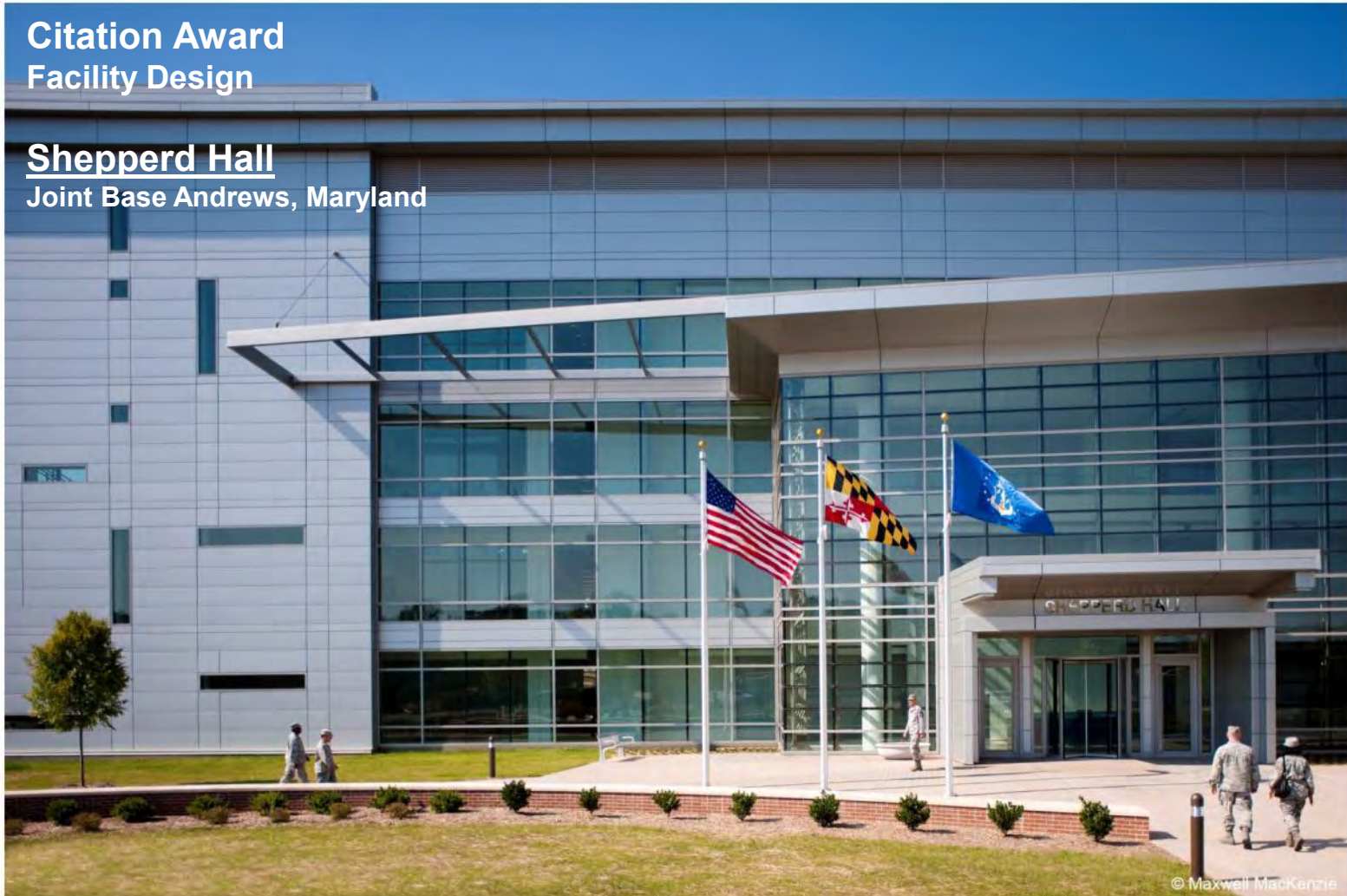
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2012

USAF Design Awards Program

Citation Award
Facility Design

Shepperd Hall
Joint Base Andrews, Maryland



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2012

USAF Design Awards Program

Citation Award

Facility Design

Headquarters Air Reserve Personnel Center

Buckley Air Force Base, Colorado

Design Organization: Frankfurt-Short-Bruza Associates FSB

Using Command: Air Force Reserve Command

Host Command: Air Force Space Command

Design Agent: Omaha District US Army Corps of Engineers

Base Engineer Organization: 460th Civil Engineer Squadron

Juror comments:

- *Well designed and detailed facility that is as impressive in end state*
- *Many hurdles achieved (value engineering, scope consolidation, and reduced delivery from original Programmed Amount)*
- *Reflects a Colorado design language and reflects a four season approach to using a large office facility (Stomping off snow at the entrance greeted by warm materials to enjoying a break and mountain views through large windows and exterior terrace)*



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2012

USAF Design Awards Program

Citation Award
Facility Design

Headquarters Air Reserve Personnel Center
Buckley Air Force Base, Colorado

