

# *2012 USAF DESIGN AWARDS Program*

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## 2012 USAF Design Awards



**Winning Entries**

**U.S. AIR FORCE**

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# ***USAF Design Awards Program***

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## **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: 90<sup>th</sup> 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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# USAF Design Awards Program

Honor Award  
Facility Renovations and Additions

Dormitory Renovation  
F.E. Warren AFB, Wyoming





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## **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: 502<sup>nd</sup> 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



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# ***USAF Design Awards Program***

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## **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: 6<sup>th</sup> 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!***
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# USAF Design Awards Program

Honor Award  
Facility Design

CENTCOM Headquarters  
MacDill AFB, Florida





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# ***USAF Design Awards Program***

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## **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: 628<sup>th</sup> 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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# *USAF Design Awards Program*

Merit Award

Facility Renovations and Additions

Office of Special Investigations Building

Charleston AFB, South Carolina





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# ***USAF Design Awards Program***

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## **Merit Award**

### **Landscape Architecture**

## **Antiterrorism/Force Protection Upgrade**

**Peterson AFB, Colorado**

**Design Organization: 21<sup>st</sup> 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***
-



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Merit Award  
Landscape Architecture

Antiterrorism/Force Protection Upgrade  
Peterson AFB, Colorado



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## Merit Award

### Landscape Architecture

## Stormwater System

Cape Canaveral Air Force Station, Florida

Design Organization: SpecPro

Using Command: Air Force Space Command

Base Engineer Organization: 45<sup>th</sup> 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**



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## **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: 92<sup>nd</sup> 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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# ***USAF Design Awards Program***

**Merit Award  
Facility Design**

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





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## **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: 152<sup>nd</sup> 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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# USAF Design Awards Program

Merit Award  
Facility Design

Fire Station  
Nevada Air National Guard, Reno





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# ***USAF Design Awards Program***

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## **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: 99<sup>th</sup> 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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**Merit Award  
Facility Design**

**Warrior Fitness Center  
Nellis Air Force Base, Nevada**



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## **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: 11<sup>th</sup> 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***



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# *USAF Design Awards Program*



**Merit Award  
Facility Design**

**William A. Jones III Building  
Joint Base Andrews, Maryland**



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# ***USAF Design Awards Program***

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## **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: 21<sup>st</sup> 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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# *USAF Design Awards Program*

**Citation Award**  
**Facility Renovations and Additions**

**C-130 Squadron Operations/Aircraft Maintenance Unit**  
**Peterson Air Force Base, Colorado**





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# ***USAF Design Awards Program***

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## **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: 75<sup>th</sup> 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***



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# *USAF Design Awards Program*

Citation Award  
Facility Design

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





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# ***USAF Design Awards Program***

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## **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: 88<sup>th</sup> 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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# *USAF Design Awards Program*

Citation Award  
Facility Design

Human Performance Wing  
Wright-Patterson Air Force Base, Utah





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# ***USAF Design Awards Program***

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## **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***



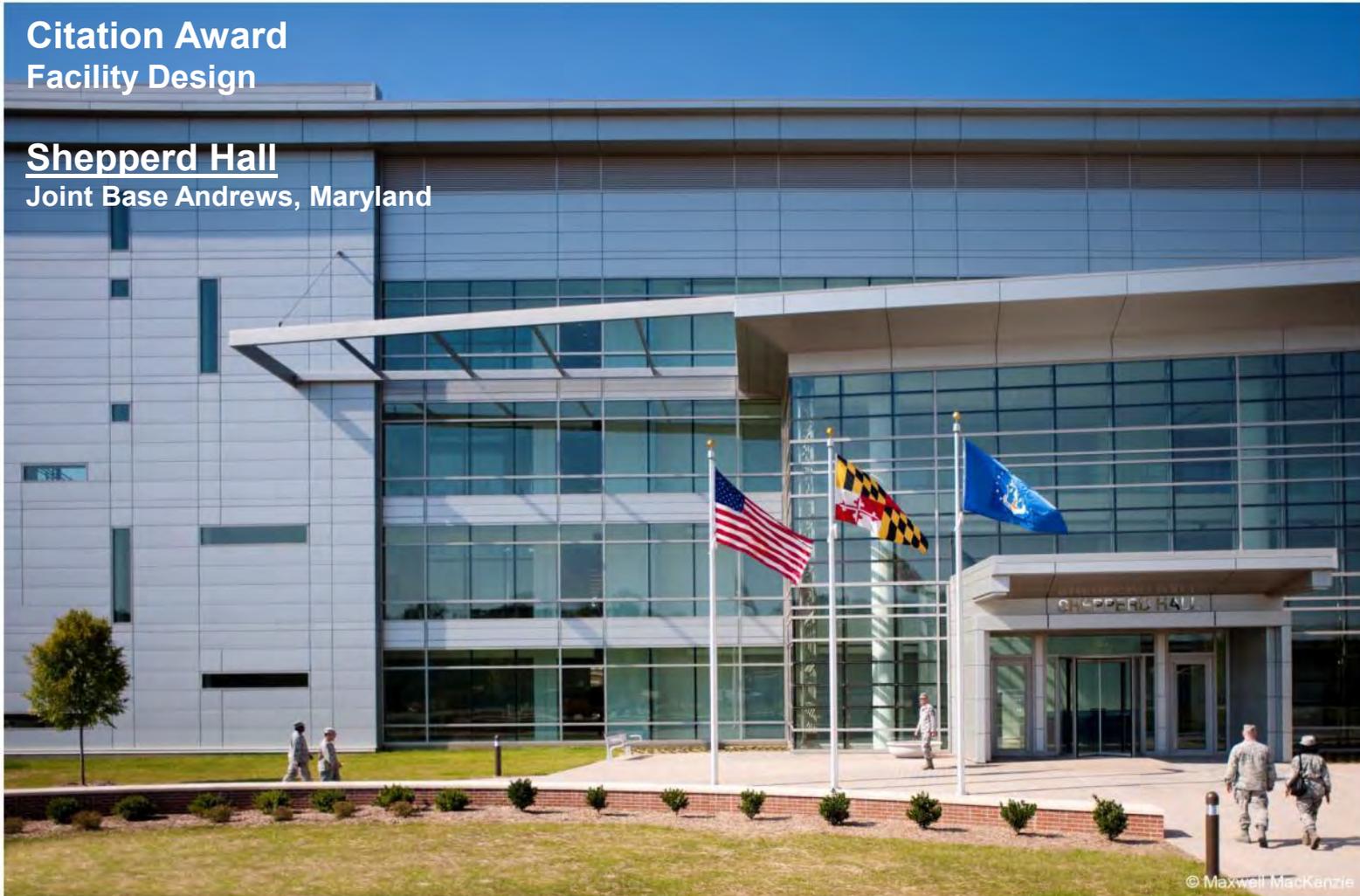
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Citation Award  
Facility Design

Shepperd Hall  
Joint Base Andrews, Maryland



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## **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: 460<sup>th</sup> 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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# *USAF Design Awards Program*

Citation Award  
Facility Design

Headquarters Air Reserve Personnel Center  
Buckley Air Force Base, Colorado

