

# Air Force Installation & Mission Support Center



## 2021 USAF Design Awards Program

### Jury Results



# 2021 USAF Design Awards Program



## HONOR AWARD

### FACILITY DESIGN

#### Nellis Virtual Warfare Center Design

Nellis Air Force Base, Nevada

Design Organization: Michael Baker International, Inc.

Design Agent: US Army Corps of Engineers, Los Angeles District

Base Engineering Organization: 99<sup>th</sup> Civil Engineer Squadron

#### Juror Comments:

- *This project implemented cutting edge materials as well as thoughtful design decisions that resulted in a beautiful, contemporary building befitting of its intended mission.*
- *The usage of Insulated Concrete Forms, reduced the carbon footprint of the facility, while improving the energy consumption, allowing the building to achieve a 30% energy reduction relative to industry energy standard.*
- *The spacious, two-story lobby fenestrations and clearstories allow for deep penetration of daylighting throughout the building interior.*
- *Open floor plan and reconfigurable walls allow for great flexibility in space utilization for multiple applications.*







# 2021 USAF Design Awards Program



## HONOR AWARD

### FACILITY DESIGN

#### Dental Clinic Replacement

Joint Base Andrews, Maryland

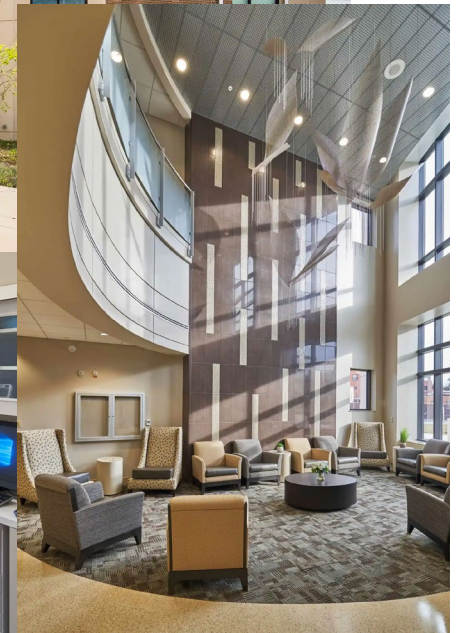
Design Organization: Rogers, Lovelock & Fritz, Inc.

Design Agent: Navy Facilities Command Washington DC4

Base Engineering Organization: Resident Officer In Charge  
of Construction Andrews

#### Juror Comments:

- *Efficient space planning in the design development of this project resulted in a facility that harmoniously exists with the environmentally sensitive habitat.*
- *The facility's juxtaposition of rectilinear and curved design elements is expressed in the building's fenestrations and circulation patterns providing intuitive wayfinding and patient connection with the natural environment.*
- *Attention to the Air Force Corporate Facilities Standards & Installation Facilities Standards passive vs active strategies, and the compact building footprint were foundational in achieving a 35% reduction in energy consumption*





# 2021 USAF Design Awards Program



## MERIT AWARD

### FACILITY DESIGN

#### Air Force Reserve Command – Consolidated Mission Complex Phase 1

Robins Air Force Base, Georgia

Design Organization: Jacobs

Design Agent: US Army Corps of Engineers, Louisville District

Base Engineering Organization: 78<sup>th</sup> Civil Engineer Group

#### Juror Comments:

- *Facility presents a strong exterior elevation through the use of vertical and horizontal design elements, effectively translating the vision statement of heritage and combat power for America.*
- *Impressive, grand, two story lobby with contrasting material palettes present a timeless design and a fitting backdrop for exhibiting Air Force Reserve Command history and heritage artifacts. Incentivizes wellness by inviting users to traverse the beautiful stairs and the illuminated hallway.*







# 2021 USAF Design Awards Program



## CITATION AWARD

### FACILITY DESIGN

#### Tactical Response Force Alert Facility

Malmstrom Air Force Base, Montana

Design Organization: WSP

Design Agent: US Army Corps of Engineers, Seattle District

Base Engineering Organization: 341<sup>st</sup> Civil Engineer Squadron

#### Juror Comments:

- *Interdisciplinary and dynamic requirements of this facility dictated a purpose driven process, resulting in a functionally harmonious design, successfully meeting mission criteria.*
- *Impressive space utilization in conjunction with attention to sustainable requirements of public law and executive orders delivers a building that aligns with Air Force priorities.*





# 2021 USAF Design Awards Program



## CITATION AWARD

### FACILITY DESIGN

#### Distributed Common Ground Station Operations Center

Beale Air Force Base, California

Design Organization: Jacobs

Design Agent: US Army Corps of Engineers, Sacramento District

Base Engineering Organization: 480<sup>th</sup> Intelligence Surveillance, and Reconnaissance Wing Civil Engineer Office

#### Juror Comments:

- *Column free design complimented with demountable partitions enhances flexibility of space, to quickly adapt and keep pace with operational battle rhythm.*
- *Relying on Beale's Installation Facilities Standards facilitated the development of opportunities for campus synergies, maximizing functional adjacencies to create a unified, well-defined architectural image for the complex.*
- *Significant cooling loads of the space were offset by technologies such as electro-chromatic (smart glass) glass to achieve a 12% increase in energy efficiency beyond industry standard.*







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## CITATION AWARD

### FACILITY DESIGN

#### McConnell Air Traffic Control Tower

McConnell Air Force Base, Kansas

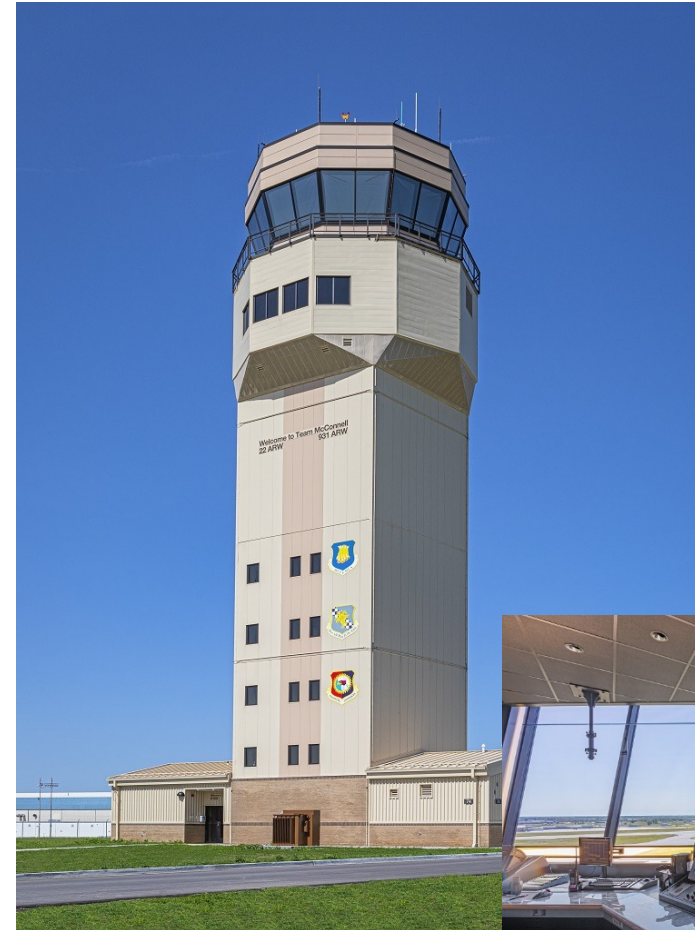
Design Organization: Burns & McDonnell Engineering Company

Design Agent: US Army Corps of Engineers, Kansas City District

Base Engineering Organization: 22<sup>nd</sup> Civil Engineer Squadron

#### Juror Comments:

- *Simple exterior design elements veil the attention to interior design details that focus on enriching working conditions, alleviating stress related to long shifts for air traffic controllers.*
- *Focusing on life cycle cost analysis the team identified systems and technologies to achieve 100% compliance with Federal mandates.*





# 2021 USAF Design Awards Program



## CITATION AWARD

### FACILITY RENOVATIONS AND ADDITIONS

#### Burlington Air National Guard Base F-35 Maintenance Hangar Renovation

Vermont Air National Guard, South Burlington, Vermont

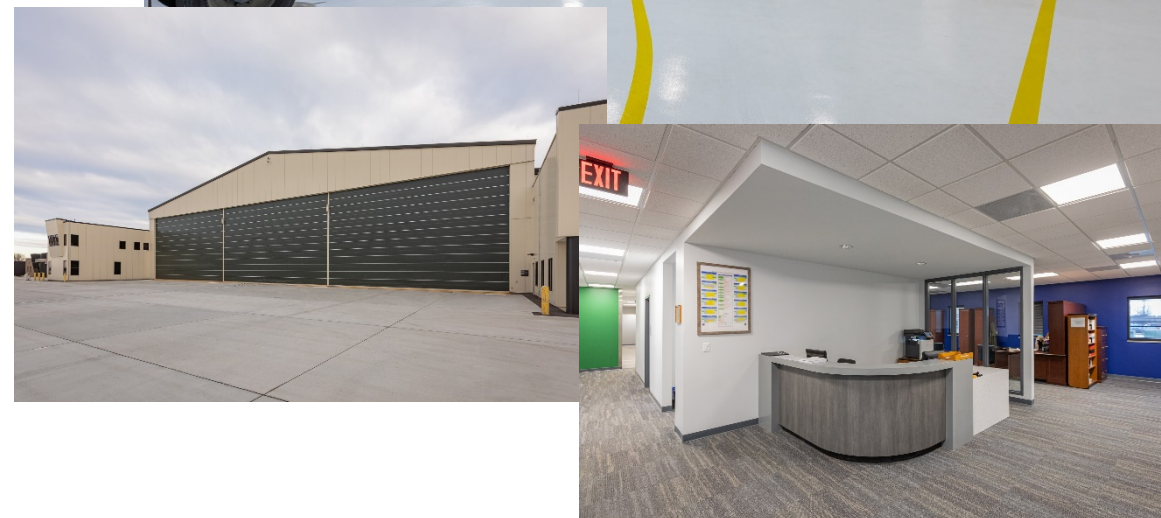
Design Organization: Burns & McDonnell Engineering Company

Design Agent: National Guard Bureau

Base Engineering Organization: 158<sup>th</sup> Civil Engineer Squadron

#### Juror Comments:

- *Great example of architectural excellence, even in utilitarian infrastructure applications. Interjection of energetic interior color palate introduces a diversion from industrial function of facility.*
- *Extensive analysis and redesign of the facility spotlights the highly collaborated process necessary to complete the complex renovation.*
- *Impressive achievements for a renovation project! Through a whole building approach, that included building envelop improvements the project achieved 100% compliance with the Federal sustainability requirements and an impressive 26% reduction in energy use.*







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## CITATION AWARD

### FACILITY DESIGN

#### Pittsburgh Air Reserve Station C-17 Hangar

Pittsburgh International Airport Air Reserve Station, Pennsylvania

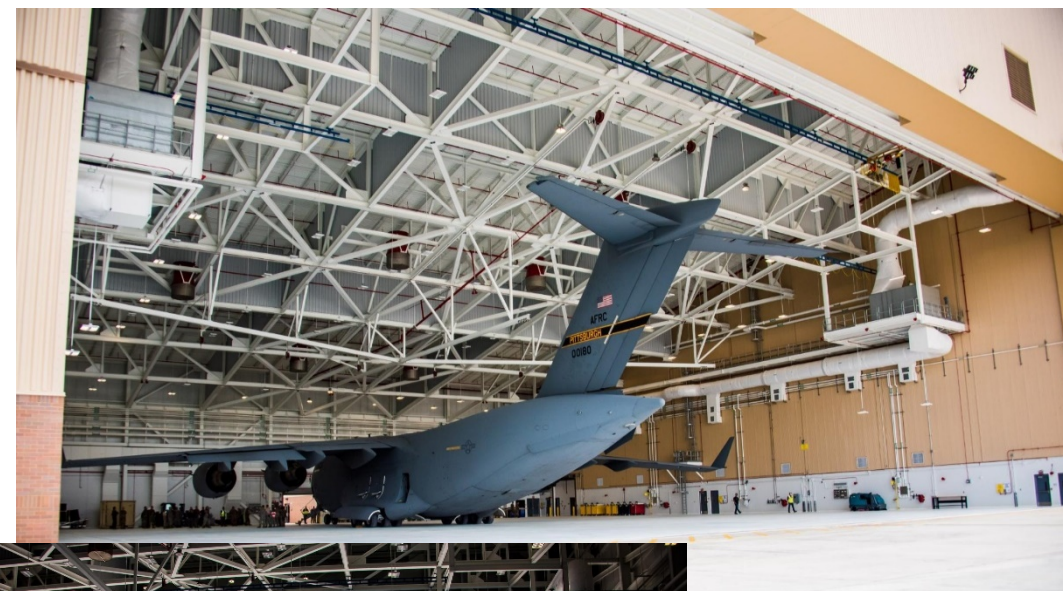
Design Organization: Burns & McDonnell Engineering Company

Design Agent: US Army Corps of Engineers, Louisville District

Base Engineering Organization: 911<sup>th</sup> Civil Engineer Squadron

#### Juror Comments:

- *Noteworthy design of form following function, complementing adjacent hangars through material selection and choice of exterior color palate.*
- *Low impact development strategies adjacent to the runway exemplifies an uncommon approach to preserving existing site hydrology.*





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## CITATION AWARD

### FACILITY RENOVATIONS AND ADDITIONS

#### Goodfellow Air Force Base

#### Cressman Dining Facility Addition

Goodfellow Air Force Base, Texas

Design Organization: C.H. Guernsey & Company

Design Agent: Tom Green County

Base Engineering Organization: 17<sup>th</sup> Civil Engineer Squadron

#### Juror Comments:

- *Intentional design of prominent entry is smartly enhanced through use of contrasting color and material selection.*
- *Creative stakeholder partnering resulted in unique design solutions, capitalizing on the synergies of building functions while expanding and maximizing facility flexibility.*







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## CITATION AWARD

### FACILITY DESIGN

#### A New Squadron Operations Facility

Alabama Air National Guard, Montgomery, Alabama

Design Organization: Seay, Seay and Litchfield, P.C.

Design Agent: US Property and Fiscal Office

Base Engineering Organization: 187<sup>th</sup> Civil Engineer Squadron

#### Juror Comments:

- *Superb design exemplifies key characteristics of minimalist architecture through use of pure unadorned geometric form, unification of basic building materials and simplification of interior color palate.*
- *Smart use of facility siting and strategic interior configuration are conducive to future mission-driven modifications with minimal disruption to facility users.*





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