2001

United States Air Force | DESIGN AWARDS PROGRAM 2001

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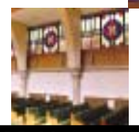
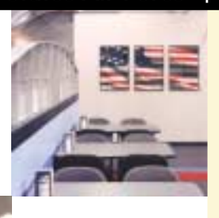
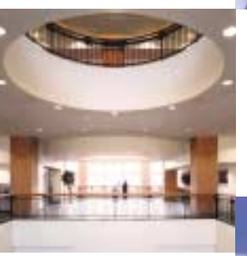
DESIGN AWARDS

For the past 26 years, the USAF Design Awards Program has become the primary tool the Air Force uses to identify the exceptional endeavors of many design professionals. While it is imperative to recognize the award-winning design teams featured in this brochure, the program also communicates the Air Force's principles of design excellence and fosters our reputation for quality facilities and installations.

This year's winners exemplify the variety of facilities the Air Force has in its inventory. From facilities directly affecting our airmen's quality of life, to workplaces and operational facilities, it is clear that our installations are comprised of much more than just random compilations of unrelated buildings and infrastructure. As demonstrated by this year's four award-winning planning studies, these individual projects must form well planned communities reflecting the Air Force's professional image, while respecting the environment, and serving the functions for which they were designed. We continually strive to be good stewards of our resources, and these projects reflect the Air Force's strong commitment to sustainability. Not only must our projects meet schedule, budget and environmental requirements, they must also provide a healthy, durable and flexible working and living environment.

I congratulate this year's winners, and challenge the Air Force team to benefit from these award-winning projects by capturing the cooperative spirit that led to their selection.

Earnest O. Robbins, II
Major General, USAF
The Civil Engineer




DESIGN AWARDS

2001 United States Air Force | DESIGN AWARDS

This Annual Report marks the 26th anniversary of the United States Air Force Design Awards Program that was established in 1976 to recognize and promote design excellence. The Air Force sets no limits on the number or type of projects that can compete each year. There are seven project award categories. These include Planning Studies and Design Guides, Housing Community Profiles, Concept Design, Interior Design, Landscape Design, Facility Design, and Military Family Housing.

For each year's competition, an effort is made to secure jurors of the highest professional standards, blending progressive professionals who are knowledgeable of design trends in the private sector with exceptional design professionals currently in government service who understand military terminology and design standards.

With the selection of this year's award winning projects, the Air Force has honored one hundred fifty-one completed facilities, one hundred eighteen concept projects, fifty-five planning and landscape design projects, and fifty-one interior design projects since the program began.

The United States Air Force Design Awards Program is a viable and important program that has become institutionalized within the Air Force. It is widely recognized throughout the federal government and is supported by the enthusiastic participation of notable professionals in the private sector. The program is a proud recipient of the 2000 Federal Design Achievement Award, which recognizes exceptional design achievement from all sectors of the Federal Government.

AWARDS

honor

Honor Award | INTERIOR DESIGN

Base Chapel
Aviano Air Base, Italy

Airman Dining Hall
Whiteman Air Force Base, Missouri

Honor Award | FACILITY DESIGN

Ambulatory Health Care Center
Maxwell Air Force Base, Alabama

Visitor Center
Vandenberg Air Force Base, California

Merit Award | PLANNING STUDIES AND DESIGN GUIDE

General Plan
Kadena Air Base, Japan

Merit Award | CONCEPT DESIGN

Headquarters Facilities for NORAD, US Space Command and Army Space Command
Peterson Air Force Base, Colorado

Dining Facility
Portland International Airport,
Oregon Air National Guard

Consolidated Lodging Facility
Minneapolis-St. Paul International Airport
Air Reserve Station, Minnesota

Merit Award | INTERIOR DESIGN

Air Force Reserve General Training Facility
Travis Air Force Base, California

Merit Award | FACILITY DESIGN

Main Fire/Crash Rescue Station
Ellsworth Air Force Base, South Dakota

Fire Rescue Station
Kullis Air National Guard Base, Alaska

Dormitory Complex
Edwards Air Force Base, California

Consolidated Base Support Complex
Ellsworth Air Force Base, South Dakota

Merit Award | FAMILY HOUSING

San Quirino Housing Units
Aviano Air Base, Italy

citation

Citation Award | PLANNING STUDIES AND DESIGN GUIDE

General Plan
RAF Croughton, England

Dormitory "Super Block" Master Plan
Vandenberg Air Force Base, California

Master Plan
United States Air Force Academy, Colorado

Citation Award | CONCEPT DESIGN

Enlisted Club
Hickam Air Force Base, Hawaii

Medical Treatment Facility
Aviano Air Base, Italy

Air Traffic Control Tower
Wright-Patterson Air Force Base, Ohio

Base Operations Renovation
Grand Forks Air Force Base, North Dakota

Sonoran Vista Housing Neighborhood Landscaping
Davis-Monthan Air Force Base, Arizona

Memorial Pavilion
United States Air Force Academy, Colorado

Citation Award | INTERIOR DESIGN

World War II Chapel Renovation
Vandenberg Air Force Base, California

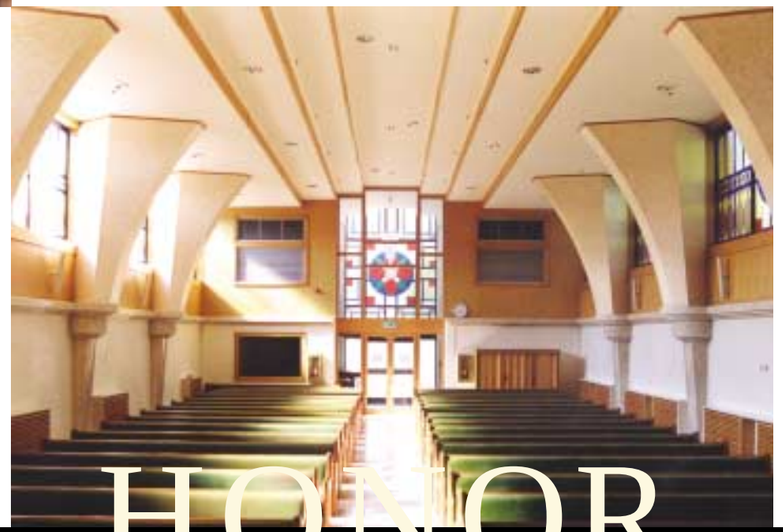
Citation Award | FAMILY HOUSING

Family Housing Addition
Pacific Heights Family Housing Annex, California

merit

Base Chapel
Aviano Air Base, Italy

Design Organization: Conti & Associati S. R. L.
Command: United States Air Forces Europe
Base Engineer: 31st Civil Engineer Squadron



Honor Award | INTERIOR DESIGN

HONOR AWARD

Jurors' Comments:

- *Combines contemporary architectural design using traditional materials.*
- *Good solution to accommodate multi-denominational services.*
- *Design elements reflect the best of Italian design.*

Base Chapel | Aviano Air Base, Italy

The military chapel is considered one of the major social focal points on most Air Force bases, and the dramatic increase in population Aviano Air Base has experienced since 1994 caused the use of the chapel to increase accordingly. Rather than pursuing the lengthy procedure for the construction of a new facility, the chapel has been completely upgraded with marble floors, faux marble columns, stained-glass windows and modern wood veneer wall paneling. The resulting assembly environment is warm, inviting, and suitable for multi-denominational services. The lighting system, combined with the stained glass windows, creates a distinct religious ambience. All existing denominational religious features have either been eliminated or screened by a series of sliding walls in back of the altar to allow various faiths to display only their own religious symbols at their services. Along with the new and expanded high-quality interior spaces, this design incorporates a new piazza for outdoor gathering before and after chapel services.

Airman Dining Hall
Whiteman Air Force Base, Missouri

Offering patrons several choices of dining areas, this renovated dining hall has received very favorable user response since its reopening, and employees have found the new interiors energizing and easier to maintain. Floor plan adjustments were made to clearly define the route from the main entry to the reception area and food lines. The high-tech theme was developed to reflect the four basic missions present at Whiteman. All mission related artwork is in black and white to complement the brightly colored American flag images and other design elements. Flexible lighting systems are integrated with the existing clerestory windows to create a lively, bright interior space. Subtle changes in plan arrangement, colors and materials are used to visually separate the casual dining area from the formal area, and each space features its own distinct entrance.

HONOR AWARD

Airman Dining Hall
Whiteman Air Force Base, Missouri

Design Organization: 509th Civil Engineer Squadron
Command: Air Combat Command

Jurors' Comments:

- *Designer sensitive to use of structural elements & furnishings in depicting flight and space.*
- *Good definition of spaces and exciting use of color and patterns.*

Ambulatory Health Care Center
Maxwell Air Force Base, Alabama

HONOR AWARD

Design Organization: Sherlock, Smith and Adams, Inc.
Command: Air Education and Training Command
Project Manager: Air Force Center for Environmental Excellence
Design Manager: Air Force Medical Support Agency
Design Agent: Mobile District US Army Corps of Engineers
Base Engineer: 42nd Civil Engineer Squadron

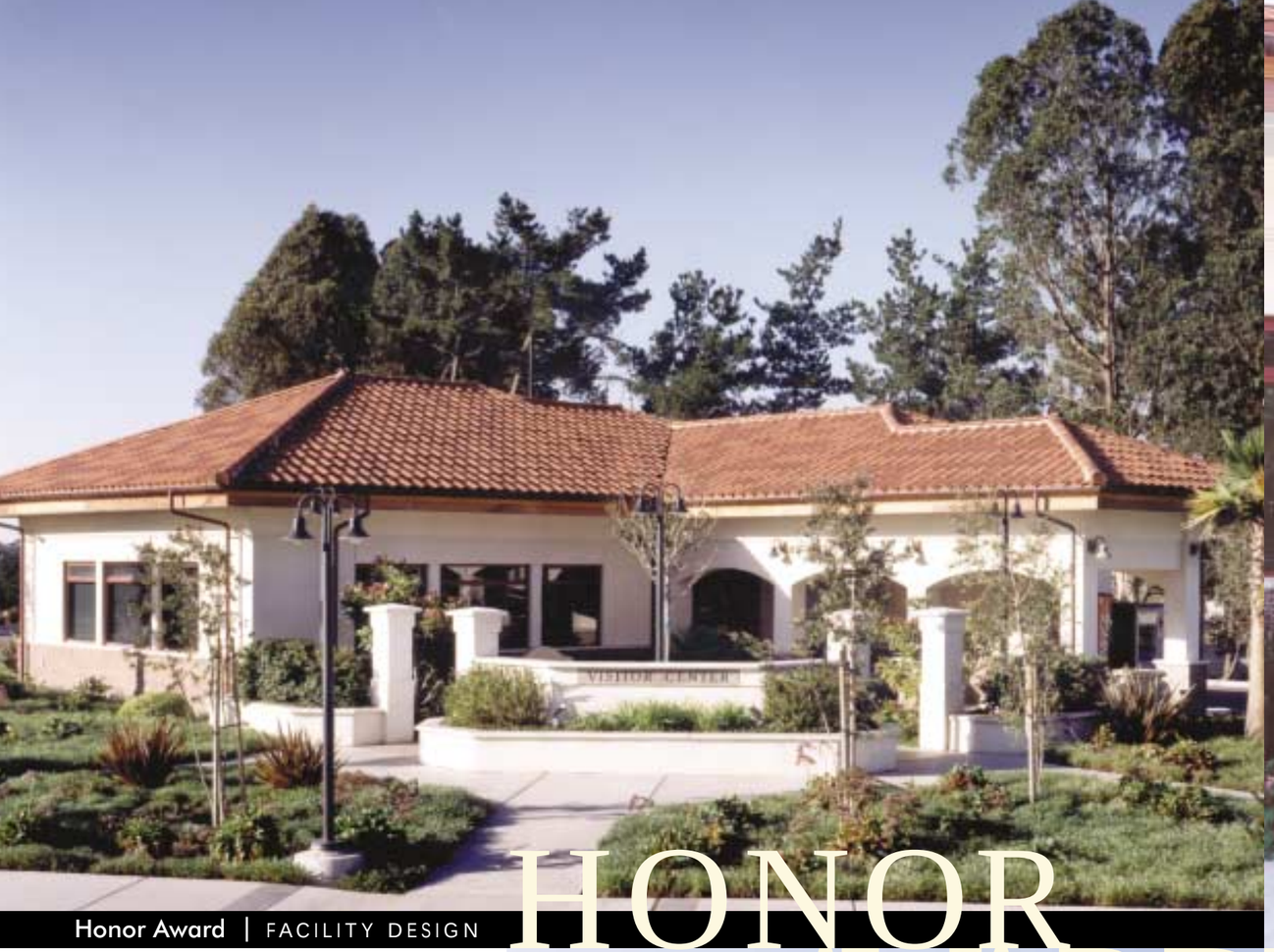
Honor Award | FACILITY DESIGN

This 200,000-square-foot facility provides outpatient health care, promotes staff efficiency, and allows flexibility for changes in clinic and ancillary functions. The interior is welcoming and comforting to patients and the architecture is consistent with its surrounding structures. All sides of the building are within public view and designed as a street façade, and the apparent mass of this large facility is reduced by its stepped configuration. Efficient staff and patient flow is accomplished by locating the higher volume patient areas, such as the Family Practice Clinic, on the first floor near the entrance. Radiology and Pathology are situated on the first floor to allow easy access when patients are referred to these departments before or after a physician visit. The pharmacy is located to allow patients to fill a prescription as they exit the clinic. The second level of the facility includes the Dental Clinic, Physical Therapy, Surgical, Optometry, Ophthalmology and Urology Clinics. The less-frequented administration areas have been placed on the third floor away from clinic activity.

Jurors' Comments:

- *Incredible use of interior atrium core bathed in abundant natural light.*
- *A medical facility designed to bring order and coherence to a difficult plan.*
- *Exterior materials and massing detailed to bring a "human scale" to this large facility.*

Ambulatory Health Care Center | Maxwell Air Force Base, Alabama



Jurors' Comments:

- *Extraordinarily simple design constructed on time and under budget.*
- *Meets highest security criteria without resorting to fortress appearance.*
- *Pleasing vernacular design should guide future development in the area.*

Honor Award | FACILITY DESIGN

HONOR AWARD

Visitor Center
Vandenberg Air Force Base, California

Design Organization: CSNA
Command: Air Force Space Command
Base Engineer: 30th Civil Engineer Squadron

Often the first facility encountered on an Air Force installation – a successful Visitor Center must present an efficient and professional setting, while promoting a positive introduction to the base's mission. Simple yet elegant in its design, this newly remodeled visitor center captures the character and historical flavor of the California Central Coast. The design sets the standard for this facility type, and serves to deliver an outstanding first impression compliant with the requirements of the Americans with Disabilities Act. The facility employs common low maintenance building materials that are native to the region.

General Plan
Kadena Air Base, Japan

Design Organization: Parsons Harland Bartholomew & Associates, Inc.
Command: Pacific Air Forces
Design Agent: Air Force Center for Environmental Excellence
Base Engineer: 18th Civil Engineer Group

This General Plan serves as the single, integrated, authoritative reference to guide the ongoing and future development of Kadena Air Base. Developed around the broad framework and priorities of the Commander's Vision and the Wing Strategic Plan, this General Plan focuses on specific goals regarding people, mission, and modernization. The plan includes twelve Area Development Plans created to guide the future physical development of the installation, and demonstrates how a participatory planning process and the utilization of technological resources can promote mission viability, executable facility programs, and sustainable base development. The plan provides tools to query, analyze, and assess current base conditions and future plans. Sustainable design principles encourage pedestrian circulation and maximize conservation alternatives.

Jurors' Comments:

- *Twelve outstanding area development plans promote sustainable development through efficient use of land, conservation, and protection of sensitive areas.*

Headquarters Facilities for NORAD, US Space Command, and Army Space Command
Peterson Air Force Base, Colorado

Design Organization: The Benham Group, Inc.
Command: Air Force Space Command
Design Agent: Omaha District US Army Corps of Engineers
Base Engineer: 21st Civil Engineer Squadron

Jurors' Comments:

- *Buildings formed to create an attractive pedestrian "campus".*
- *Daylighting reduces energy consumption and improves quality of interior space.*
- *Use of exterior materials complements without duplicating existing structure.*

The goals of this project allow for evolving technology and changing missions while addressing force protection and security requirements. Integrated with the existing Air Force Space Command headquarters building, the massing and strong geometric forms of the new buildings complement but do not duplicate the existing structure. This continuity in design is enhanced through the transitional use of complementary exterior materials and strong site geometry while responding to climatic, security and aesthetic concerns. The fully integrated security features include guard stations that monitor perimeter intrusion and control access to the buildings. Restricted access to secure interior zones, service entries and parking areas is monitored by closed-circuit television and motion detection systems. Command and Control functions are located in the basements of both buildings for added security, and access to controlled areas is further restricted with card-readers. Operational areas feature dual-switched dimmable indirect lighting fixtures to eliminate glare on consoles. An expandable fiber optic data system with 4 fiber pairs to each telecommunication outlet supports future flexibility while meeting electronic security requirements. Using laminated glass throughout both facilities enhances force protection, and a 200-foot standoff distance separates all buildings from non-controlled parking areas and roadways.

Dining Facility
Portland International Airport, Oregon Air National Guard

Design Organization: MCA Architects, PC
Command: Air National Guard
Design Agent: US Property and Fiscal Office for Oregon
Base Engineer: 142nd Civil Engineer Squadron

MERIT AWARD

Merit Award | CONCEPT DESIGN

Accommodating multiple functional needs of the Army National Guard, Air National Guard and Air Force Reserve, the primary function of this new dining facility is to provide a central dining area for all base personnel. The building also houses office space, a classroom/meeting room, mobility storage, and locker and shower facilities. The kitchen and serving areas are designed for flexibility and efficiency, and can serve up to 700 diners in a 90-minute period. The kitchen has direct access to the patio to facilitate outdoor dining and barbeques. Designed to take advantage of expansive views and natural light, the two dining areas have high ceilings and windows oriented towards the quadrangle and Mount Hood. These rooms can be used as one large space or divided with a folding partition for individual use, each with its own lobby access. For efficiency, the offices for the three tenants are located in a common area, sharing a lobby and other accessory spaces. The classroom has north facing clerestory windows and can be divided into three flexible spaces. Glass is used extensively throughout the building to capture natural light, creating a pleasant working environment and decreased reliance on artificial lighting.

Jurors' Comments:

- *Fabulous example of a facility defining one edge to an outdoor campus "quad."*
- *Mixed-use facility reduces automobile trips to the base.*

Consolidated Lodging Facility
Minneapolis-St. Paul International Airport Air Reserve Station, Minnesota

Design Organization: Architectural Alliance
Command: Air Force Reserve Command
Base Engineer: 934th Civil Engineer Squadron

The phasing requirements, plus a commitment to creating and preserving outdoor space, led to the development of a small, central building flanked on either side by "Z" shaped, four-story wings. In contrast to traditional linear lodging facilities, this project's simple building footprint manipulation creates interesting interior and exterior spaces. The first construction phase includes the central "lodge" with its distinctive curved roof and ribbed metal skin. From the front porch entry, guests will enter an intimate, skylit atrium housing the lobby, reception desk and central lounge with its large fireplace. At the upper levels, corridors accessing the guestroom wings will overlook the atrium. The interior design scheme combines durable traditional materials with a neutral color scheme and comfortable furnishings to give the facility a warm, contemporary feel. Low maintenance materials, daylighting, and efficient mechanical and lighting systems controlled by occupancy sensors will enhance sustainability and minimize long term operating costs.

Merit Award | CONCEPT DESIGN

Jurors' Comments:

- *Massing of facility creates human-scaled outdoor rooms.*
- *Contemporary materials make a bold and appropriate statement.*

Air Force Reserve General Training Facility
Travis Air Force Base, California

Design Organization: TECTONICS/Gerri Putney & Associates
Using Command: Air Force Reserve Command
Host Command: Air Mobility Command
Design Agent: EFA West, Naval Facilities Engineering Command
Base Engineer: 60th Civil Engineer Squadron

Merit Award | INTERIOR DESIGN

This training support facility was skillfully created from an old barracks building and now houses over 200 personnel. The flexible furniture layout maximizes natural light and views, and the state-of-the-art furniture system modules are completely mobile and can be reconfigured by the user. The electrical, data, and communications wiring for each module is provided through mobile service walls, and the module finishes are warm, clean and inviting. Limiting hard wall construction and using demountable partition systems for private offices further enhances flexibility. Instructional classrooms, interaction areas, and conference rooms have also been designed for maximum flexibility. Versatile furnishings encourage individual study, group discussion, freedom of movement and the use of technology.

Jurors' Comments:

- *Excellent color palette with exciting use of patterns.*
- *A strong functional approach to space planning.*

Main Fire/Crash Rescue Station
Ellsworth Air Force Base, South Dakota

Design Organization: Setter, Leach & Lindstrom, Inc.
Command: Air Combat Command
Design Agent: Omaha District US Army Corps of Engineers
Base Engineer: 28th Civil Engineer Squadron

Merit Award | FACILITY DESIGN

Centrally located on both the flightline and a primary collector street for the base, this main fire station addresses base-wide emergencies and fire crash rescue within minimal response time. Interior adjacencies of the crew and equipment areas support the need for quick access and egress when the alarm sounds. Balance is achieved between quality-of-life and mission requirements by situating the apparatus bays between the administration and training areas on one side, and the sleeping bays on the other. The design simultaneously addresses both adjacency and base architectural compatibility standards by tying into exterior schemes from Base Operations but drawing its major architectural forms from the new Consolidated Base Support Complex.

Jurors' Comments:

- *Excellent continuation of "prairie style" theme developing throughout the base.*
- *Ideal site minimizes response time to the flightline and the main base.*

Fire Rescue Station
Kulis Air National Guard Base, Alaska

Design Organization: Kumin Associates, Inc.
Command: Air National Guard
Design Agent: US Property and Fiscal Office for Alaska
Base Engineer: 176th Civil Engineer Squadron

Responding to fire emergencies on base and at the adjacent international airport, this Fire Rescue Station is manned around-the-clock. It is designed for daily use during the week by four firefighters, but must also accommodate thirty firefighters for weekend training. The station's simple, contrasting exterior forms and colors provide a clear long-distance visual statement from the airport terminal, the runway and from the base. Complex operational, mechanical and electrical systems for increasing facility automation and efficiency were incorporated within the structure while maintaining clean, crisp internal organization. The facility exceeds the user's expectations by providing private bunkrooms with complete sound isolation and a functional space layout that promotes operational efficiency. The success of this design is evidenced by the degree of pride the firemen take in their new facility.

Dormitory Complex
Edwards Air Force Base, California

Design Organization: Enplanar, Inc.
Command: Air Force Materiel Command
Design Agent: Fort Worth District US Army Corps of Engineers
Base Engineer: 95th Civil Engineer Group

The innovative L-shaped room modules in this dormitory complex allow each unit to have either a first story patio area or a second story balcony oriented towards an "oasis" courtyard. The private activities in the modules are located at the rear of the modules away from the courtyard while the less private living areas overlook the courtyard. The complex's smaller multi-level buildings provide a refreshing departure from large, traditional institutional dormitory buildings and create a more residential feel. They are grouped around a landscaped courtyard, which provides relief from the high desert's constant wind and arid environment. The varied-story building massing, hipped roofs, generous overhangs, and sensitive detailing combine to help give the complex its desired "neighborhood" feel.

Jurors' Comments:

- *The simple, contrasting forms and colors of the exterior provide a clear visual statement.*
- *Attractive building that does not use a brown standing seam metal roof and red brick!*

Merit Award | FACILITY DESIGN

Jurors' Comments:

- *Dramatic departure from traditional dormitory design.*
- *Units are well planned to provide private activities away from court-yard.*
- *Clear site circulation.*

Consolidated Base Support Complex
Ellsworth Air Force Base, South Dakota

Design Organization: Setter Leach & Lindstrom
Command: Air Combat Command
Design Agent: Omaha District US Army Corps of Engineers
Base Engineer: 28th Civil Engineer Squadron

Merit Award | FACILITY DESIGN

The purpose of the base support complex is to provide a central location that delivers “one-stop” service for all command personnel services. The complex houses eighteen interrelated departments with approximately 325 personnel. This new 115,000 square foot facility was constructed in three phases and replaced 160,000 square feet of office space in ten existing, inefficient buildings scattered across the base. This consolidation has resulted in significantly improved customer convenience, operational efficiency and interdepartmental communication. The complex’s modern Prairie Style architecture has set a new standard for the base that has already been adapted for other new structures.

Jurors’ Comments:

- *Massing responds exceptionally well to complex program.*

San Quirino Housing Units
Aviano Air Base, Italy

Design Organization: Scianstudio SNC
Command: United States Air Forces Europe
Design Agent: Europe Dsitrict US Army Corps of Engineers
Base Engineer: 31st Civil Engineer Squadron

Merit Award | FAMILY DESIGN

Jurors’ Comments:

- *Excellent incorporation of contemporary Italian vernacular residential design.*
- *Central landscaped commons creates a wonderful shared social spaces and building of community.*

Constructed within an existing residential area, this compact housing complex includes significant architectural features and high quality finishes and materials to blend with the surrounding neighborhood and natural environment. Six of the housing unit buildings are condominium type, with a central common area and a covered stairway leading to each single apartment and to the basement. Two other housing unit buildings have their own independent entrances and appurtenances. Steel entrance canopies interconnect all of the buildings, and a network of walks and courtyards provides efficient site circulation. Exterior and interior living spaces are given equal attention in this innovative housing design.

MERIT AWARD

General Plan
RAF Croughton, United Kingdom

Design Organization: Air Force Center for Environmental Excellence
Command: United States Air Forces Europe
Base Engineer: 422nd Civil Engineer Squadron

Citation Award | PLANNING STUDIES AND DESIGN GUIDES

This General Plan consolidates the joint base development responsibilities and program projections shared between United States Air Forces Europe and the United Kingdom's Ministry of Defence. The plan establishes a baseline for the five-year operations and maintenance plan and provides a clear and concise vision for the potential development of RAF Croughton. Focusing on growth capability, long-term development strategies and a sustainability profile outlined in four broad component plans: Composite Constraints and Opportunities, Infrastructure, Land Use, and the Capital Improvements Program. As the first General Plan developed from the Air Force General Plan Template, this document serves a model of good basic installation planning, and can be easily updated by local personnel.

Jurors' Comments:

- *Exemplary general plan developed fully with "in-house" resources, saving significant USAF O&M funds.*
- *Promotes RAF Croughton's capabilities to accommodate additional missions and enhance the base's long-term development and sustainability.*

Citation Award | PLANNING STUDIES AND DESIGN GUIDES

Dormitory "Super Block" Master Plan
Vandenberg Air Force Base, California

Design Organization: Jacobs Facilities, Inc.
Command: Air Force Space Command
Design Agent: Bonneville Power Administration
Base Engineer: 30th Civil Engineer Squadron

This master plan greatly improves the quality-of-life for Vandenberg's dormitory population and imparts a sense of pride and dignity to the community. The proposed plaza complements and enhances the existing Breakers Dining Hall. Efficient facility use is promoted by centralizing the dormitory manager offices, the common resident activity areas, the linen exchange, and a combination computer, study, and reading lounge. The design optimizes vehicular circulation and parking areas by removing less-traveled secondary streets and excess parking spaces. When implemented, the residential neighborhood will be more efficient, beautiful and well defined.

Jurors' Comments:

- *Creates a park like, pedestrian oriented-living environment with a clear sense of identity and well-defined boundaries.*
- *Creative landscaping and earthwork along site perimeter highly enhance the sense of enclosure, identity and protection from the elements.*

Citation Award | PLANNING STUDIES AND DESIGN GUIDES

Master Plan
United States Air Force Academy, Colorado

Design Organization: GRW/Willis
Command: United States Air Force Academy
Base Engineer: 10th Civil Engineer Group

The United States Air Force Academy General Plan was developed respecting nearly half a century of traditions and concepts while accepting current conditions and projecting future potential. The plan draws its strength by adhering to twelve cornerstone planning principles that focus on the community, the cadets, and the campus. This "road map" builds upon prior master plans, incorporates code evolution, environmental concerns, and quality-of-life. The document presents a summary of four component plans and ten area development plans to generate analysis and planning factors for current and future needs. Co-existence with natural resources, wildlife, and the environment guides current and future planning principles. The plan allows the Academy to master plan growth, maintain a state-of-the-art educational environment, and create planning tools for future facility development.

Jurors' Comments:

- *Plan reestablishes time endorsed planning principles with specific application to the area development plan level.*
- *Plan is deeply rooted in the understanding and forward application of 40 years of Academy preservation and development.*

Citation Award | CONCEPT DESIGN

Enlisted Club
Hickam Air Force Base, Hawaii

Design Organization: CDS International
Command: Pacific Air Forces
Design Manager: Air Force Services Agency
Base Engineer: 15th Civil Engineer Squadron

With its main public spaces organized around an intensely landscaped courtyard that can also be used for additional outdoor dining, this complex is oriented to take advantage of trade winds and a year-round mild climate. The design isolates Club-generated noise from disturbing nearby dormitory residents and addresses force protection requirements by its location away from the street and parking areas. The club's dominant features are three sloped roof elements reminiscent of traditional Hawaiian architecture. An open-air lobby overlooks the courtyard and connects to the ballroom, lounge and sports café by covered walkways. The clubs numerous covered outdoor spaces embrace local traditions while providing a flexible, relaxing environment for its patrons.

Jurors' Comments:

- *Incorporates regional elements into the design-exterior courtyards, exterior covered walkways, and deep overhangs.*

Citation Award | CONCEPT DESIGN

Medical Treatment Facility
Aviano Air Base, Italy

Design Organization: Page Southerland Page/OK Design Group
Command: United States Air Forces Europe
Design Agent: Atlantic Division Naval Facilities Engineering Command
Design Manager: Air Force Medical Support Agency
Base Engineer: 31st Civil Engineer Squadron

This unique 3-story structure provides an aesthetic pleasing and extremely functional state-of-the-art medical facility that will improve Aviano Air Base's health care delivery system. The design responds to the constrained site, reflects the Northern Italian architectural style, meets or exceeds the required criteria for health care facilities, and greatly improves the operational efficiency of the existing medical campus. Located in a very congested area, the designers were faced with providing a new facility in the original clinic location without disrupting ongoing operations. Careful planning and construction phasing are critical elements of this successful solution.

Jurors' Comments:

- *Addition designed in a way that keeps existing facility in operation during construction.*
- *Architectural style responds to northern Italian vernacular and should set the tone for future development.*

Citation Award | CONCEPT DESIGN

Base Operations Renovation
Grand Forks Air Force Base, North Dakota

Design Organization: Widseth Smith Nolting and Associates, Inc.
Command: Air Mobility Command
Base Engineer: 319th Civil Engineer Squadron

This renovation project accomplishes its design goals by projecting strength, precision, compatibility and pride while incorporating unique building and landscape design features. The conversion will dramatically improve the aesthetics of the existing facility at far less cost than a new facility, and will properly introduce visitors arriving by air to the installation. Careful material section will reduce maintenance requirements while being fully compatible with nearby facilities.

Jurors' Comments:

- *Dramatic makeover of an aging, unattractive industrial facility.*
- *Integrates existing control tower into a pleasing architectural composition.*

Citation Award | CONCEPT DESIGN

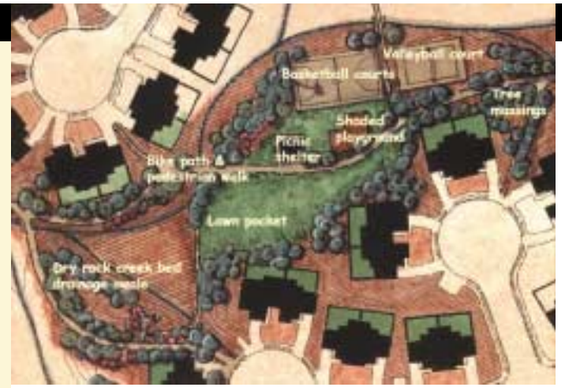
Air Traffic Control Tower
Wright-Patterson Air Force Base, Ohio

Design Organization: URS Greiner Woodward Clyde
Command: Air Force Materiel Command
Design Agent: Louisville District US Army Corps of Engineers
Base Engineer: 88th Civil Engineer Group

Respectful of the existing design and functions of the building to which it is attached, this new Air Traffic Control Tower blends well with its surroundings. Designed to accommodate the controllers as well as the numerous electronic and mechanical systems, the tower presents a unified functional arrangement. Vestibules, surveillance cameras and special electronic locking devices are included on numerous levels to enhance security. The design incorporates sustainability with its use of low-maintenance concrete wall panels and anodized aluminum soffits, and door and window frames. Windows in the tower will contain special surface treatments and motorized window shades to control solar gain and visual glare.

Jurors' Comments:

- *Carefully integrated control tower creates an appropriately scaled focal point for a large historic facility.*



Citation Award | CONCEPT DESIGN

Sonoran Vista Housing Neighborhood Landscaping
Davis-Monthan Air Force Base, Arizona

Design Organization: 355th Civil Engineer Squadron/Air Force Center for Environmental Excellence

Command: Air Combat Command

This new design strengthens the neighborhood by encouraging pedestrian circulation through an improved parkway, and allows children to play safely within the neighborhood, often within sight of their home. Entrances to the neighborhood are defined with distinctive, low-maintenance landscaping, appropriate lighting, earth forms and textured pedestrian crosswalks. A series of shade structures shelter residents from the intense desert environment and drainage ways were designed and landscaped to resemble dry streambeds leading to storm water retention areas within the neighborhood. The landscape lighting system allows the residents to safely enjoy the outdoors in the evening hours.

Jurors' Comments:

- *Plan strengthens the neighborhood with amenities that improve interaction of the residents by developing more user-friendly parkway landscape development and playground improvements.*
- *Utilizes native low maintenance landscape plants, while incorporating creative use of texture, color and interest and functionality.*

Citation Award | CONCEPT DESIGN

Memorial Pavilion
United States Air Force Academy, Colorado

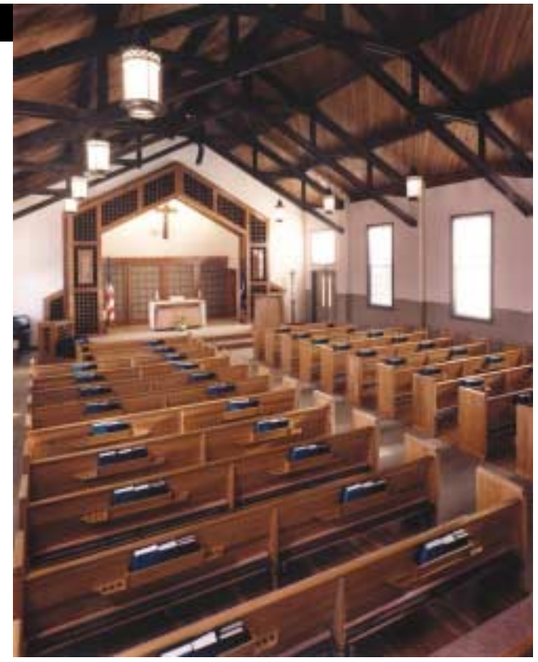
Design Organization: Duane Boyle, AIA
Command: United States Air Force Academy
Design Agent: US Air Force Academy Association of Graduates
Base Engineer: 10th Civil Engineer Group

Located at the intersection of a grassy meadow and a very dense forest of ponderosa pine and scrub oak, this structure effectively interfaces each environment and provides a subtle visual transition while allowing users to interact with both the open space and intimate forest. In keeping with the client's desire for flexible space, the building is designed around three functionally discreet courts or plazas, each with it's own distinctive character. A formal outdoor plaza, to be used during good weather, overlooks the meadow, foothills and mountains, while roof, granite wall and glass enclose a second plaza for use during inclement weather. A third plaza is accessed by a walkway from a portal in a granite wall to the plaza's location surrounded by the dense forest. These three gathering spaces allow users to create formal and informal environments for various types ceremonies.

Jurors' Comments:

- *Strong plan integrates into Academy's vernacular of modernism.*
- *Forms truly contemplative setting.*

Citation Award | INTERIOR DESIGN



World War II Chapel Renovation
Vandenberg Air Force Base, California

Design Organization: Kruger Bensen Ziemer Architects, Inc.
Command: Air Force Space Command
Base Engineer: 30th Civil Engineer Squadron

The renovation of this World War II-era chapel preserves a significant architectural asset of a by-gone era at Vandenberg Air Force Base while ensuring its functionality in future years. Converted from an obsolete and occasionally used religious facility, the renovated chapel is very popular for weddings. An expanded sacristy provides flexibility and accommodates various musical ensembles and current liturgical needs. An enclosed garden on the side of the building provides a quality setting for weddings and other outdoor social events. Contiguous to the Enlisted Dormitory community, the restored chapel provides a convenient worship facility within easy walking distance. While not a historical renovation, the design scheme is respectful of the chapel's original architectural heritage, materials, and color palette.

Citation Award | FAMILY HOUSING

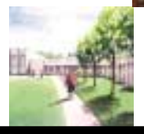
Jurors' Comments:

- *Sensitive renovation of historic facility*
- *Simple and elegant concept design*

Family Housing Addition
Pacific Heights Family Housing Annex, California

Design Organization: Tetra Tech ASL
Command: Air Force Materiel Command
Base Engineer: 61st Air Base Group

Designed to provide high quality family housing for military members stationed at Los Angeles Air Force Base this housing annex offers well-designed homes based on four different models and four different color schemes that depict local craftsman and Victorian influences. Individual lots are positioned for maximum view of the ocean, Catalina Island, and the Palos Verde hillsides, and three historic sites were integrated into the design without impacting the landscaping or compromising any cultural significance. Lighted trails provide secure paths to enjoy the breathtaking views. A new playground area allows safe and enjoyable recreation for small children within an easy walk from any house.



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2001 United States Air Force | JURORS MEMBERS

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Ms. Brenda Roesch, ASLA, AICP (Chair)
Air Force Center for Environmental Excellence
Brooks AFB, Texas
Landscape Architect/Planner

Mr. Tim Knapp
Air Force Center for Environmental Excellence
Brooks AFB, Texas
Community Planner

Lt Col J. D. Adams, USAFR
California Department of Transportation
Sacramento, California
Landscape Architect

Architecture and Engineering

Col Richard Ingenloff (Chair)
Headquarters, United States Air Force
Office of the Civil Engineer
Washington, DC
Engineer

Mr. Ken Coston, AIA
Defense Commissary Agency
Norfolk, Virginia
Architect

Mr. Randall Lierly, R.A.
Air Force Center for Environmental Excellence
Brooks AFB, Texas
Architect

Maj Mark Gillem, AICP
IMA to Air Force Center for Environmental Excellence
University of California, Berkeley
Architect/Planner

Mr. Paul Franklin
O'Neill Conrad Oppelt Architects, Inc.
San Antonio, Texas
Architect

Interior Design

Ms. Dee Dee Nolte (Chair)
University of Texas
Austin, Texas
Interior Designer

Sandra W. Warner, IIDA
HQ Air Force Center for Environmental Excellence
Brooks Air Force Base, Texas
Interior Designer

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The Civil Engineer
Major General Earnest O. Robbins II

The Design Group Division of the Design and Construction Directorate, Air Force Center for Environmental Excellence prepared this Annual Report.

Director, Air Force Center for Environmental Excellence:
Gary M. Erickson, P.E.

Director, Design and Construction Directorate:
Donald L. Ritenour, R.A.

Graphic Design:
Hellmuth, Obata + Kassabaum, Inc., Houston, TX

United States Air Force Design Awards Program Manager and Editor:
David M. Duncan, R.A.