



NATIONWIDE HEALTHCARE PORTFOLIO

Department of Veterans Affairs

Defense Health Agency

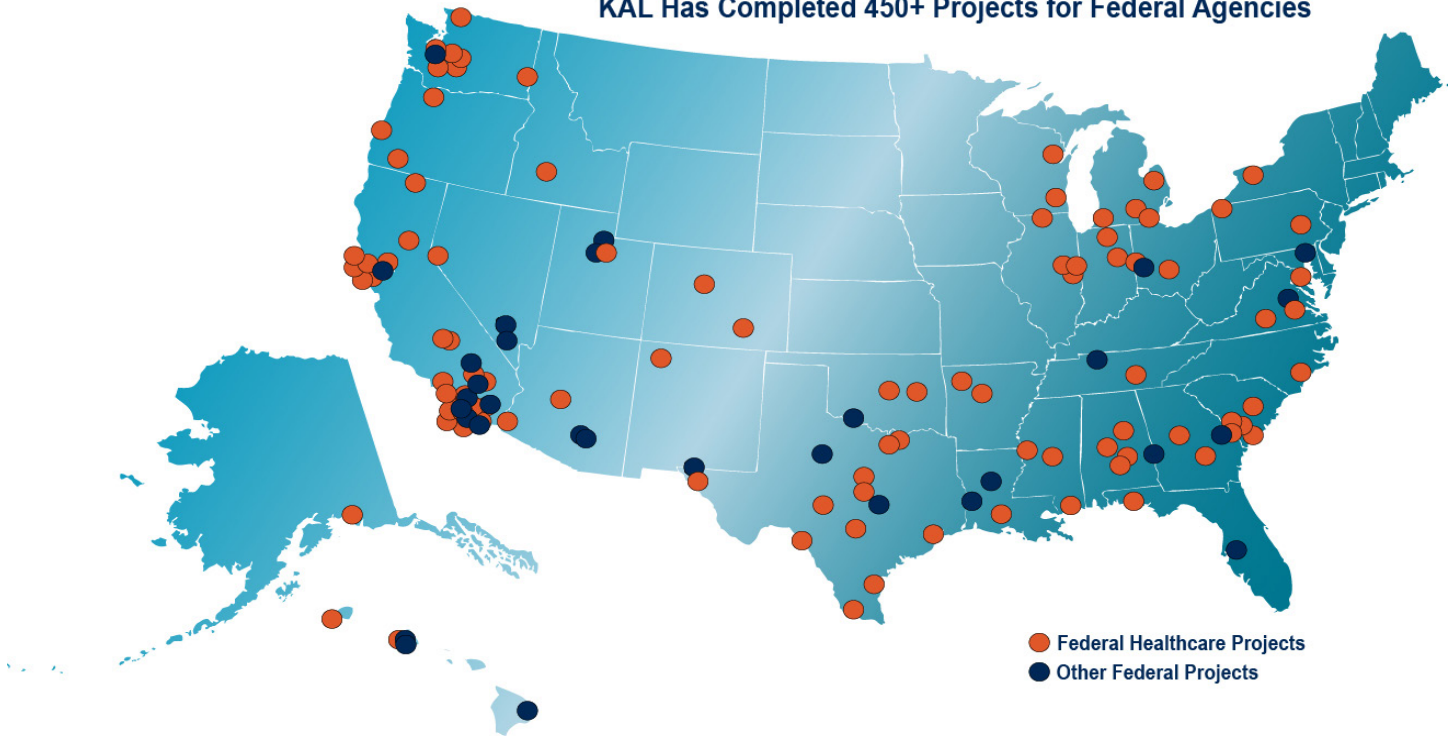
Veterans Canteen Service



KALARCHITECTS
ARCHITECTURE + ENGINEERING | PLANNING + INTERIOR DESIGN | CONSTRUCTION MANAGEMENT

WELCOME TO KAL ARCHITECTS

KAL Has Completed 450+ Projects for Federal Agencies



Where We Do So Much More Than Just Architecture

Architecture

Site Evaluation, Feasibility Studies, Conceptual Design, Schematic Design, Design Development, Construction Documents, Drawings, Specification, Computer Aided Design & Drafting, AutoCAD, Sustainability/LEED Design, BIM Rendering/Models, Historic Preservation

Engineering

Civil, Structural, Mechanical, Electrical, Marine, Communications, Cybersecurity, Commissioning

Program Management

Peer Review, Value Engineering, Plan Checking, Cost Estimating, Code Analysis, ADA Compliance Surveys, Master & Strategic Planning, Facility Condition Assessments

Interior Design

Finishes & Hardware Selection, Furniture & Fixtures Selection, CID, 3-D Renderings, Sustainability/LEED Design, Wayfinding

Planning

Space Planning, Programming - Space Allocation, Master Planning, Facility Planning, Medical Planning, Site Evaluation, Concept Design

Construction Management

Budgeting, Scheduling, Team Management, Peer Review

Experienced in

Medical Center Complexes
Hospitals
Ambulatory Care Facilities
Community Living Centers
Behavioral Health Clinics
Primary Outpatient Clinics
Medical & Research Laboratories
Pharmacies
Canteens
Infection Control Risk Assessments
Legionella - Directive 1061
Medical Complex Utilities & Infrastructure
VA Design Guides, Design Manuals, & Design Alerts
Initial Outfitting & Commissioning
UFC Design Requirements
AE-3 Technical Reviews

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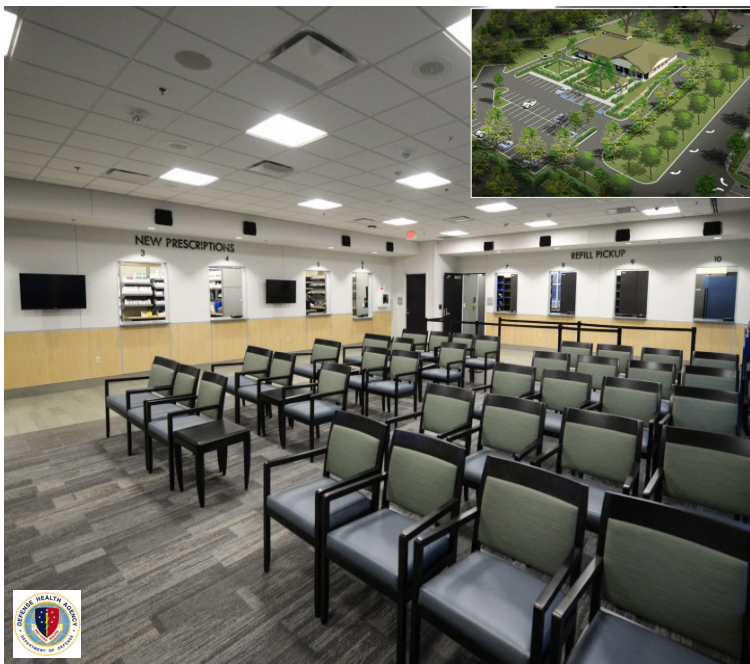
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New Drive-Thru Satellite Pharmacy Wright-Patterson AFB, Dayton, OH

KAL Architects developed a Design-Build RFP for this new, freestanding, drive-thru Satellite Pharmacy at Wright-Patterson AFB (WPAFB). KAL conducted a 3-day Design Charrette with USAF Pharmacy representatives, WPAFB engineering & contracting personnel, representatives from various other key Base departments, including Communication & Traffic. Prepared a comprehensive description of program requirements, a concept design, and cost estimates for the new pharmacy. Design for this facility utilized Military Health System World-Class Facility Check-List requirements, including providing patient & family-centered care, improving operational effectiveness, and designing for maximum flexibility, standardization, and growth. The facility included spaces for pharmacy processing, dispensing & storage, administration, patient waiting & consultation, and laboratory equipment. Functional flow and work patterns dictated a floor plan with ease of transactions between the "desk side" and the "drive-up window side" of operations. The refills counter was located adjacent to the drive-up window along with shelving for dispensing. This multi-disciplined design project included Anti-terrorism/Force Protection standards, civil/mechanical/electrical/structural/fire protection engineering, comprehensive interior design, and sustainable design principles. This new 10,246 SF facility more than doubled the size of the previous pharmacy and was designed to achieve LEED Silver 3.0 certification.



Phase I Renovation & Expansion of Intensive Care Unit & Resesarch Lab, VA Loma Linda, CA

KAL Architects prepared a full design & construction package and performed construction phase services for the 1st of 2 phases to consolidate all Intensive Care Units (ICU) rooms into 1 location. This renovation & expansion of the 14,800 SF existing facility to consolidate the ICU on the 2nd floor of the VA Medical Center in Loma Linda, CA. The consolidation was designed to improve patient & staff access as well as operational flow by completely gutting the existing 2nd floor which housed both medical & surgical units and a small laboratory. This 1st phase primarily focused on interior work requiring remodeling of all existing architecture, mechanical/electrical/communications/fire protection and life safety engineering systems to provide a 14-room ICU. KAL's Phase I design provided for all patient rooms to be along the exterior walls, maximizing windows as sources of natural light, with each room outfitted with a toilet room & space for family members. Patient lifts were provided in the patient rooms and continued out into the corridors. Breakaway sliding glass doors provided access as well as unobstructed view into the patient rooms from the Nurses Station. Decentralized nurse's work alcoves were also added off of the corridors and between patient rooms for additional monitoring. The Phase I design provided for 4 of the 14 patient rooms designated as Isolation Rooms and 2 others set-aside for bariatric patients. The project also included the expansion of the Research Lab adjacent to the ICU. This 2,275 SF addition now houses 4 bio-chemical research labs, each equipped with an office next to a large area.



Phases I-III Renovation of Pathology Laboratory VA Medical Center, Houston, TX

KAL Architects, as a joint venture partner of Schwab-KAL JV, provided a full design & construction package as well as construction phase services for the renovation of the Pathology Laboratory at the Michael E. DeBakey VA Medical Center. This project also involved developing site preparation documents for the replacement of all laboratory equipment including a Power Express Automation Line and Chemistry Analyzers for 12,400 SF of the Pathology & Laboratory space as well as a Space Plan for the renovation of the entire 29,000 SF Laboratory section for future planning purposes. KAL's medical planning included field surveys of the existing laboratory, the development of alternative floor plans, and comprehensive interior design. KAL developed 3 optional plans for the inclusive 29,000 SF with different layouts that met the project intent & budgets with space planning to address improvements in functional flow based on the sequence of operations as well as JCAHO, NFPA, and VA Design Guides. Following the selection of floor plans, full design development & construction documents were produced which included location and configuration of the laboratory equipment & furniture, a structural review & design to support the new mechanical/electrical systems required for this equipment, an energy analysis, and commissioning.



New Community Based Outpatient Clinic, VA Kauai, HI

KAL Architects, as a joint venture partner of Schwab-KAL JV, developed a conceptual design for the construction of a new Community Based Outpatient Clinic (CBOC) at the Mark M. Matsunaga Medical Center in Lihue on the island of Kauai. This new 14,700 SF medical facility & 75-space parking lot included the co-location of outpatient care with the Veterans Council (VBA), Hawaii State Office of Veterans Services (HSOVA), and Veterans Center. The new facility is a modular building housing 3 Primary Care PACT Teamlets: a Mental Health Teamlet; a Specialty Care Teamlet comprised of intermittent visit & tele-health for Cardiology, Endocrinology, Gastroenterology, Optometry, & Orthopedics; and mixed-use teamlet including Women's Health, Audiology, Tele-health, Laboratory, Pharmacy, VBA for 1 counselor, Vet Center with 5 staff, and HSOVA with 2 counselors & receptionist. This multi-disciplinary design project also required demolition, site grading, drainage, a storm water detention basin, a parking lot, and all site utilities including water, electric, sewer, and drainage. The structural systems for the new facility were designed for Wind Risk Category II (140-mph) and Category 4 Hurricane exposure.



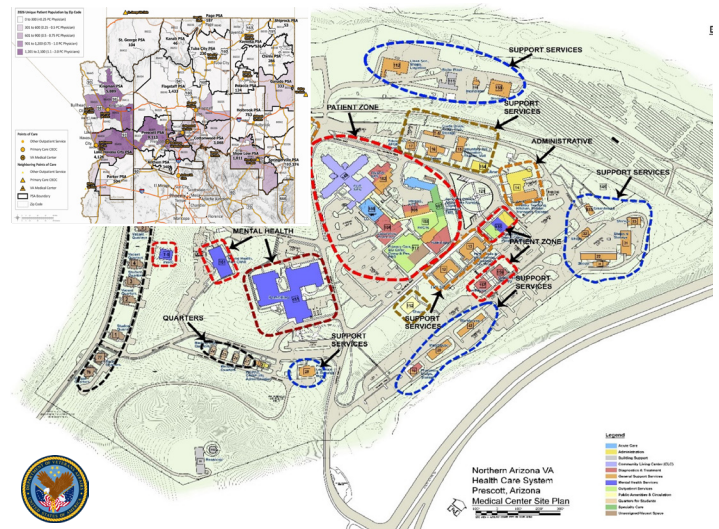
New Mental Health Center, VA West Los Angeles, CA

KAL Architects was the Lead Design Firm for the Design-Build of this new 2-story, 25,000 SF modular Mental Health Center. KAL conducted field inspections, developed several concept layouts, prepared color & material boards, and prepared a full design & construction package. The new facility houses an outpatient mental health center with 3 individual clinics: a Mental Health Primary Care, a Screening Clinic, and a Mental Health Clinic. The project also included administrative spaces and all building systems include mechanical / electrical / communications / fire protection & life safety as well as side walks, parking lot, and landscaping & irrigation. The building consisted of stacked modular units with all exterior walls and soffit surfaces painted with cement plaster. All modules were installed on a slab-on-grade, reinforced concrete foundation. The facility was equipped with both interior stairwells and a passenger elevator. Landscaping utilized local drought tolerant native plants with an irrigation system including low flow drip emitters and bubblers with a weather-based controller. Two canopy trees were provided in the interior courtyard along with 10' rectangular tree block outs.



Renovation of Community Living Center & Construction of a New Chapel, VA Medical Center, Amarillo, TX

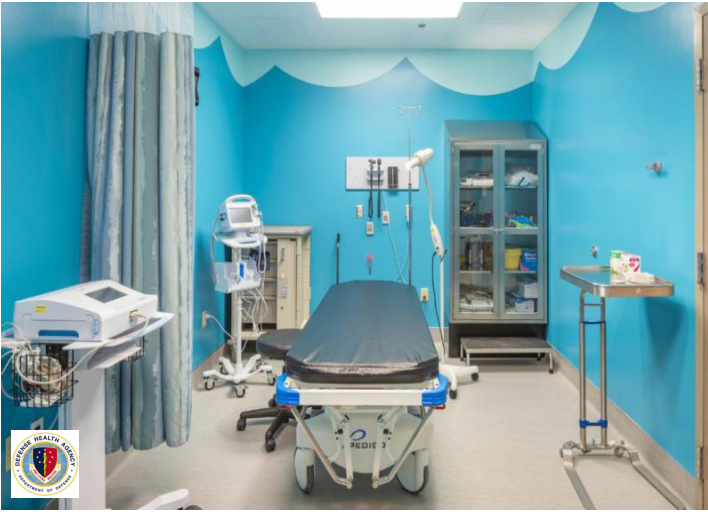
KAL Architects, as a joint venture partner of Schwab-KAL JV, developed a full design & construction package for the renovation of the Community Living Center (CLC) Building 29 and construction of a new chapel at the Thomas E. Creek Medical Center. Renovation of the 6,500 SF CLC required conversion of the existing wing, including 8 2-bed patient rooms and 2 single-bed rooms, into a 10-bed private hospice with resident rooms. These rooms included a private bathroom with shower with 2 of the rooms designed for bariatric residents. Renovations also included a bathing suite, sub-nurse's station, an enlarged dining room for patients & family members, and accessibility upgrades. The addition of a new 1,000 SF chapel including a large open area for seating, a podium, an electric piano, and cabinetry with a sink and accessed directly from the CLC. The seating was designed to be flexible maximizing the use of space & allowing for various functions in the space and can be further increased through a large opening in the dining room next door.



Comprehensive Master Plan for Northern Arizona Veterans Health Care System, Prescott, AZ

KAL Architects developed a comprehensive Master Plan for the No. Arizona Health Care System (NAHCS) located in Prescott. The facility includes a 15-bed Acute Care Telemetry Unit, an 11-bay Emergency Department, an 85-bed Community Living Center, and a 120-domiciliary along with several PACT Teamlets such as Primary Care, Outpatient Mental Health, Audiology, Cardiology, Dental, Optometry, & Podiatry. This facility supported Ancillary Services including a Laboratory, Pharmacy, Imaging, Home-Based Primary Care, Physical Medicine & Rehabilitation, Health Care for Homeless Vets, Medical Foster Home, Hospital-to-Home, & Opioid Reduction. NAHCS includes 625,000 SF of space on the Prescott campus along with 51,000 SF at off-site facilities. Master Plan goals included determining the location of services within the new & existing building space, development of an historic preservation plan, incorporate physical security design, incorporation of HSPD-12 requirements, and development of a logical project list.

AE-3 Technical Review Services for DHA's Integrated Design-Build-Initial Outfitting



AE-3 Services for Clinic Modernization at Hulbert Field Medical & Dental Clinic, Elgin AFB, FL



AE-3 Services for Renovations to the 56 MDG Medical, Dental, & Vet Clinics at Luke AFB, AZ

KAL Architects performs qualified 3rd party Architectural / Engineering technical review services (AE-3) as part of the Defense Health Agency's Integrated Design-Build-Initial Outfitting (iDBIO) program to execute facility restoration, modernization, and outfitting at hospitals, medical centers, and satellite medical & dental clinics at Air Force Bases throughout the US. KAL has provided design, construction, outfitting review, and engineering during construction services for more than 12 renovation & modernization projects across 10 installations under 4 consecutive Indefinite Delivery Contracts since 2011. These task orders cover more than 1,087,000 SF of medical facilities with construction costs in excess of \$236,000,000. As an AE-3, KAL is not the Architect- or Designer-of-Record but is responsible for reviewing the general contractor's submittals & documents for technical compliance and conformance to the iDBIO program as well as providing support from the Notice-to-Proceed through acceptance and close-out. This includes design, construction, furniture, fixtures, & equipment, and low-voltage system submittal reviews; identifying conflicts or omissions in the plans and specifications; and assisting in developing solutions and corrective courses of action to unforeseen conditions. As the AE-3, KAL attends design meetings & reviews, progress meetings, and participates in cost engineering & change order negotiations as required. The AE-3 scope of services includes design & pre-construction meetings, design & pre-construction submittal reviews, construction submittals, shop drawings, closeout submittals, evaluation of design, construction, & modification cost proposals, schedule analyses, and field services including the preparation of reports for the witnessing of field tests of systems in order to validate procedures used in field verification & testing to establish confidence in the final reported results by the building Commissioning Specialist.

Veterans Canteen Services



Renovation of 1st Floor Canteen in Hospital Building 500, VA Medical Center, West Los Angeles, CA

KAL Architects provided a full design & construction package for the renovation of the 1st floor Canteen Hospital Building 500. The facility included 4 major areas: Food Service 1, Food Service 2, Dining Area, and Coffee Bar/Concession Area comprising 8,163 SF and the adjacent 2,511 SF kitchen & food preparation areas.

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