



- ▶ General Contracting
- ▶ Mechanical HVAC Systems

KROESCHELL PROJECT CASE STUDY:

Veterinary Clinic Addition at 412th Medical Group, Edwards AFB

THE CHALLENGE:

The Veterinary Clinic at Edwards AFB did not satisfy all Military Medical Facilities requirements. The post-operation room and isolation rooms had become storage rooms, and the storage rooms were unable to provide the storage needed for vet services. The overflow eliminated the availability to use the room for post-operative recovery or isolation of contagious animals. Additionally, due to the extreme heat at Edwards AFB, any kenneling had to be provided inside of the facility. This further exacerbated the problem of lack of isolation, storage and kennel space.

THE SOLUTION:

Kroeschell was tasked with adding an 800 SF kennel addition. The fast-track project included:

- The construction of a new addition with exterior construction to match the facility.
- The addition of a floor drainage system in new kennel space to allow wash down of kennels.
- Installation of a new stand-alone chilled water split system air handling unit and ductwork to provide heating, cooling, air filtration and humidity control.
- Installation of a new dedicated exhaust fan to properly collect contaminated air that occurs in the isolation room.
- Relocation of casework in laboratory area and installation of new casework in surgery prep area as well as a glass door to kennel addition.
- Flooring in surgery prep area, lab area, post-operation and isolation room was replaced with a new floor system to meeting MDG standards.
- Connection of the new and existing equipment to the existing Alerton BAS located at the main medical clinic. Included programming to provide the required control and monitoring of the temperature, humidity and proper ventilation.
- New DDC controls for the upgraded HVAC that communicated with the main clinic BAS front end via a wireless connection.

THE RESULTS:

This additional square footage provided kenneling of the animals and storage of food and supplies. The relocation of the supplies and food allowed the isolation rooms to be returned to their original purpose for the vet clinic. The construction improved the environment of care, provided compliance with regulations and met the safety requirements of current health standards.

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PROJECT OVERVIEW:

Location: Edwards AFB, CA

Project Scope:

- Constructed an 800 SF kennel/storage.
- Installed new AHU, ductwork, exhaust fan, floor drainage system and flooring.
- Connected new equipment to existing BAS and installed new DDC controls.

Customer Profile:

The 412th Medical Group is a family health clinic/ medical home platform composed of a group of physicians that provides comprehensive healthcare to their beneficiary population. Current services offered include primary, special and preventive care.



Headquartered in Chicago since 1879, Kroeschell is a leading provider of mechanical, electrical & plumbing solutions and facility support services for Fortune 500 companies, hospitals, universities and the U.S. Government. From HVAC to industrial production systems, Kroeschell keeps facilities and equipment operating at top performance, across the country and around the globe. We design, build, service and operate the advanced equipment found in today's most complex environments. When Kroeschell is your single source of responsibility, you maximize cost-effectiveness, quality craftsmanship and on-site safety.